

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066313.D
 Acq On : 19 Aug 2020 12:44
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

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 8/20/2020 3:36:50 PM

Quant Time: Aug 19 16:10:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	248493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	355043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	328233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	118108	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.91	113	119688	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.34	98	433937	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.63	95	154274	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47051	21.491	ug/l	98
3) Chloromethane	2.20	50	33086	19.428	ug/l	98
4) Vinyl Chloride	2.35	62	34277	22.734	ug/l	98
5) Bromomethane	2.76	94	22915	22.907	ug/l	88
6) Chloroethane	2.91	64	19774	21.365	ug/l #	82
7) Trichlorofluoromethane	3.27	101	85032	21.632	ug/l	95
8) Diethyl Ether	3.70	74	21222	19.134	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47755	20.471	ug/l	97
10) Methyl Iodide	4.30	142	49539	26.906	ug/l	98
11) Tert butyl alcohol	5.21	59	20156	98.780	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	43970	19.980	ug/l	88
13) Acrolein	3.91	56	10004	56.692	ug/l	99
14) Allyl chloride	4.71	41	61818	18.542	ug/l	90
15) Acrylonitrile	5.41	53	43264	92.567	ug/l	99
16) Acetone	4.16	43	39783	94.576	ug/l	93
17) Carbon Disulfide	4.41	76	128403	18.351	ug/l	99
18) Methyl Acetate	4.71	43	19786	18.518	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	99698	19.765	ug/l	96
20) Methylene Chloride	4.96	84	58907	21.749	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	49092	19.419	ug/l	97
22) Diisopropyl ether	6.36	45	124239	18.844	ug/l	94
23) Vinyl Acetate	6.30	43	360013	93.209	ug/l	98
24) 1,1-Dichloroethane	6.26	63	82482	20.215	ug/l	99
25) 2-Butanone	7.21	43	55299	89.380	ug/l	97
26) 2,2-Dichloropropane	7.20	77	82776	22.635	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	54218	20.447	ug/l	99
28) Bromochloromethane	7.55	49	30981	21.619	ug/l	97
29) Tetrahydrofuran	7.56	42	33810	88.203	ug/l	99
30) Chloroform	7.71	83	90917	21.221	ug/l	97
31) Cyclohexane	7.98	56	73477	18.918	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	88062	21.922	ug/l	98
36) 1,1-Dichloropropene	8.11	75	68126	20.419	ug/l	99
37) Ethyl Acetate	7.29	43	24413	18.468	ug/l #	94
38) Carbon Tetrachloride	8.10	117	82246	22.106	ug/l	86

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	79225	19.644	ug/l	97
40) Benzene	8.34	78	185412	20.033	ug/l	97
41) Methacrylonitrile	7.52	41	12078	15.540	ug/l #	82
42) 1,2-Dichloroethane	8.41	62	58056	21.353	ug/l	99
43) Isopropyl Acetate	8.44	43	48030	18.441	ug/l	96
44) Trichloroethene	9.10	130	58967	21.143	ug/l	100
45) 1,2-Dichloropropane	9.38	63	43636	19.277	ug/l	95
46) Dibromomethane	9.47	93	25015	20.063	ug/l	96
47) Bromodichloromethane	9.66	83	67086	20.358	ug/l #	88
48) Methyl methacrylate	9.45	41	25460	19.144	ug/l	92
49) 1,4-Dioxane	9.45	88	5618	350.713	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	122002	91.193	ug/l	97
52) Toluene	10.40	92	127038	20.860	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	63983	20.459	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	75434	20.587	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	35753	19.914	ug/l	98
56) Ethyl methacrylate	10.66	69	40278	18.675	ug/l #	95
57) 1,3-Dichloropropane	10.94	76	60775	20.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	97562	100.564	ug/l	95
59) 2-Hexanone	10.98	43	87003	92.663	ug/l	96
60) Dibromochloromethane	11.14	129	51006	20.578	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35380	20.491	ug/l	99
64) Tetrachloroethene	10.87	164	50211	19.921	ug/l	95
65) Chlorobenzene	11.67	112	138626	20.805	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	54667	20.968	ug/l	99
67) Ethyl Benzene	11.74	91	242752	21.023	ug/l	99
68) m/p-Xylenes	11.85	106	186963	41.792	ug/l	96
69) o-Xylene	12.18	106	87122	21.408	ug/l	97
70) Styrene	12.20	104	150010	21.033	ug/l	98
71) Bromoform	12.36	173	30545	19.774	ug/l #	95
73) Isopropylbenzene	12.48	105	244265	21.438	ug/l	99
74) N-amyl acetate	12.29	43	45775	18.244	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	36928	19.007	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	30075m	21.128	ug/l	
77) Bromobenzene	12.76	156	61775	21.062	ug/l	96
78) n-propylbenzene	12.82	91	279313	21.088	ug/l	99
79) 2-Chlorotoluene	12.91	91	156002	20.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	203209	21.325	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12448	19.331	ug/l	87
82) 4-Chlorotoluene	13.00	91	166385	20.807	ug/l	99
83) tert-Butylbenzene	13.23	119	173285	20.678	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	202215	21.205	ug/l	100
85) sec-Butylbenzene	13.40	105	240696	21.274	ug/l	99
86) p-Isopropyltoluene	13.52	119	231628	21.827	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	115934	21.031	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	113537	20.652	ug/l	98
89) n-Butylbenzene	13.85	91	200597	21.098	ug/l	100
90) Hexachloroethane	14.11	117	45317	21.412	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	101773	20.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7194	21.544	ug/l	92

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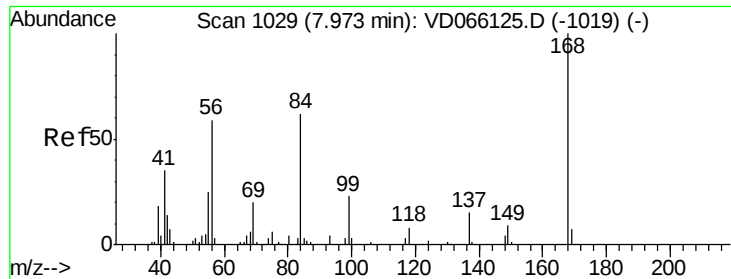
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71184	19.813	ug/l	94
94) Hexachlorobutadiene	15.28	225	45435	21.476	ug/l	97
95) Naphthalene	15.41	128	113392	19.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	61669	19.444	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:168 Resp: 248493

Ion Ratio Lower Upper

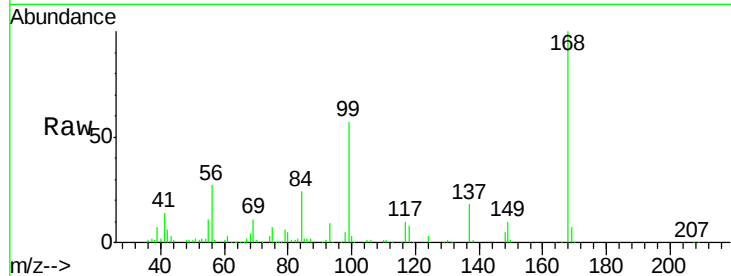
168 100

99 57.2 42.2 63.4

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

40000

20000

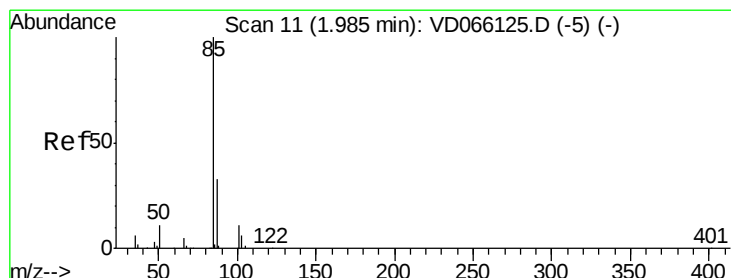
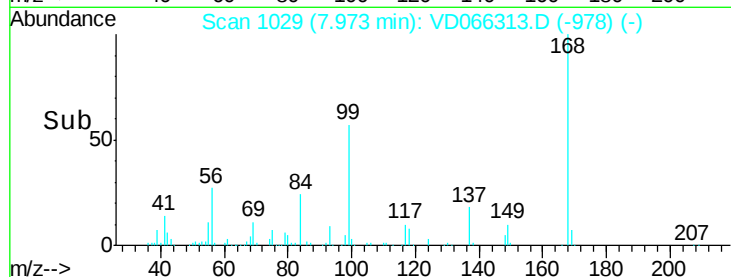
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.491 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066313.D

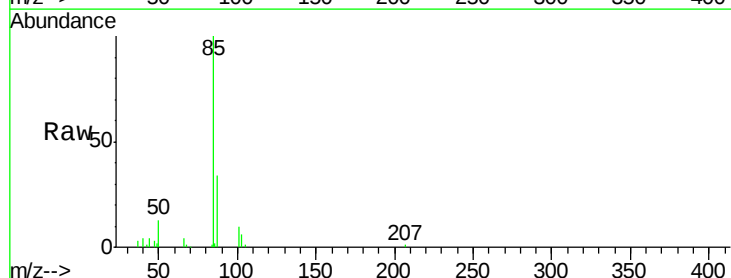
Acq: 19 Aug 2020 12:44

Tgt Ion: 85 Resp: 47051

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

20000

10000

0

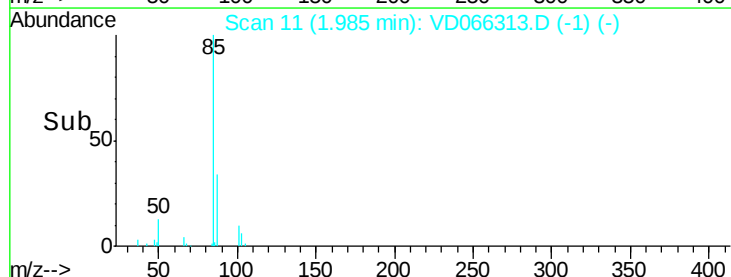
1.90

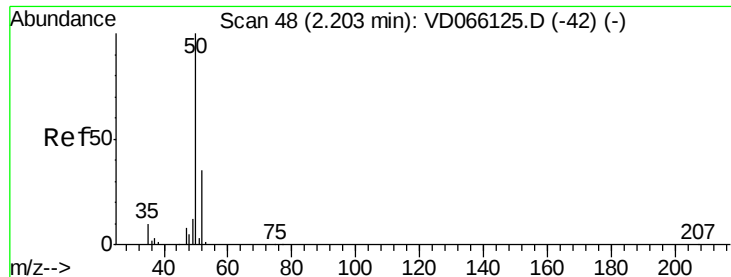
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 19.428 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 50 Resp: 33086

Ion Ratio Lower Upper

50 100

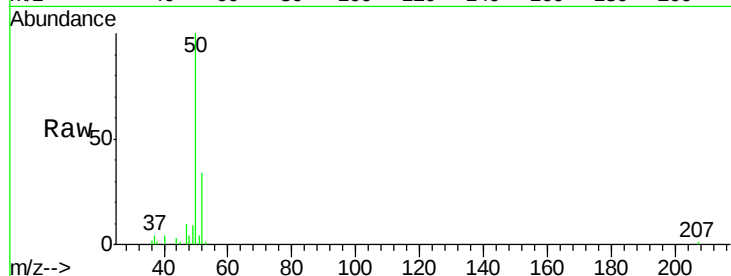
52 33.9 27.9 41.9

Manual Integrations

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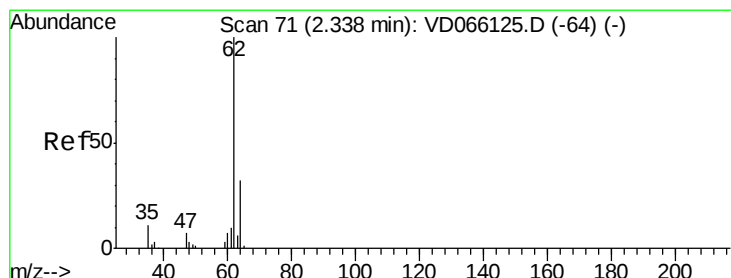
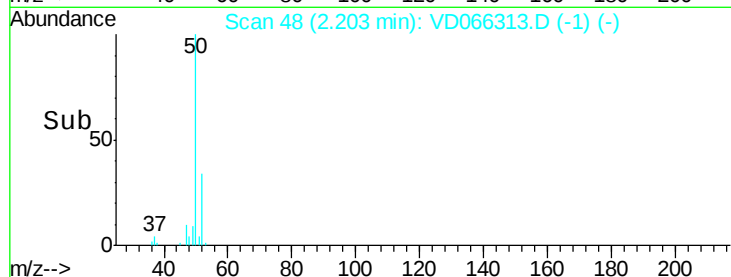
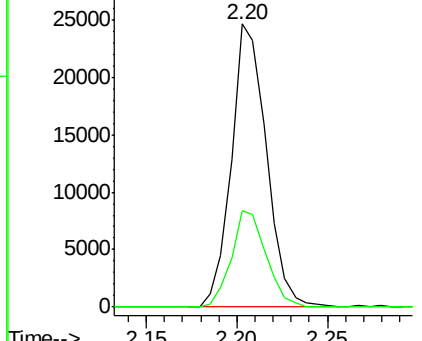
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.734 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066313.D

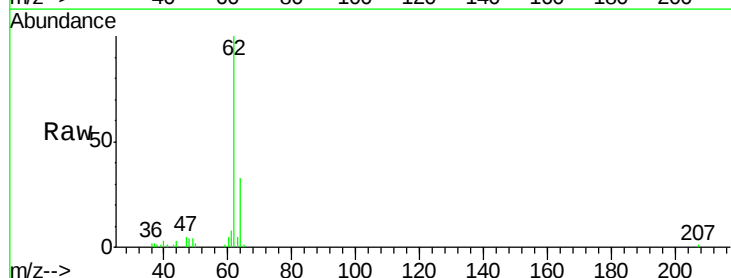
Acq: 19 Aug 2020 12:44

Tgt Ion: 62 Resp: 34277

Ion Ratio Lower Upper

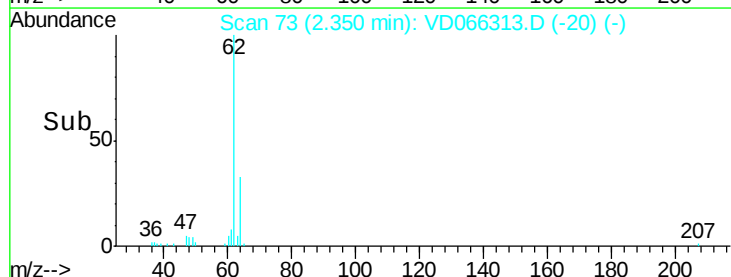
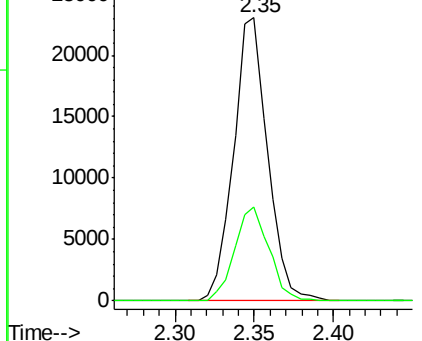
62 100

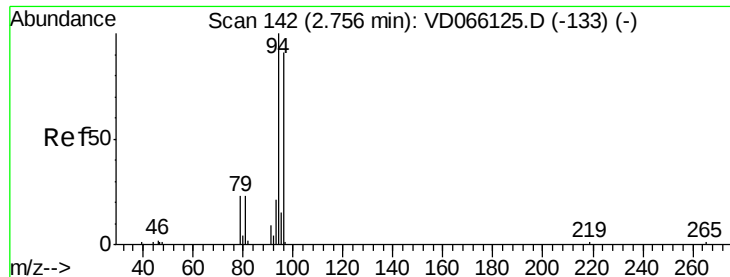
64 33.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.907 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 94 Resp: 22915

Ion Ratio Lower Upper

94 100

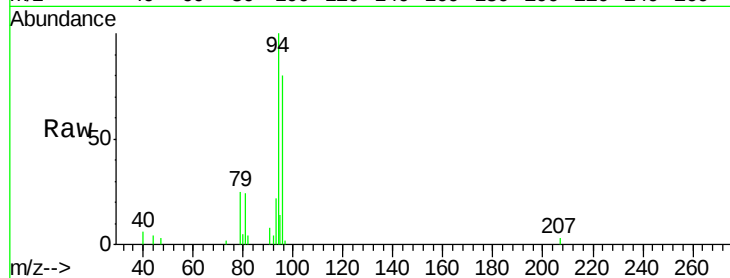
96 79.8 72.6 109.0

Manual Integrations

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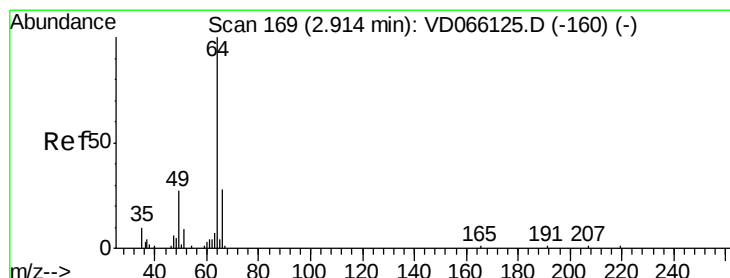
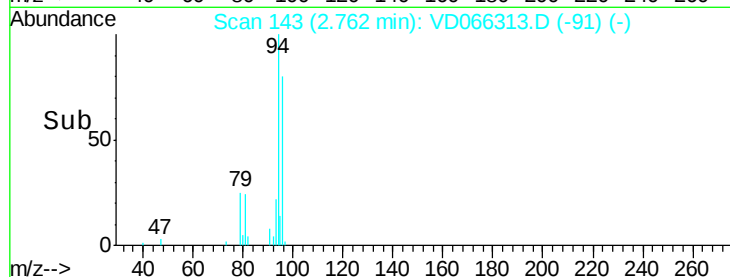
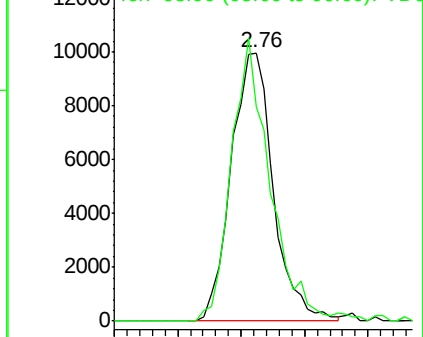
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.365 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066313.D

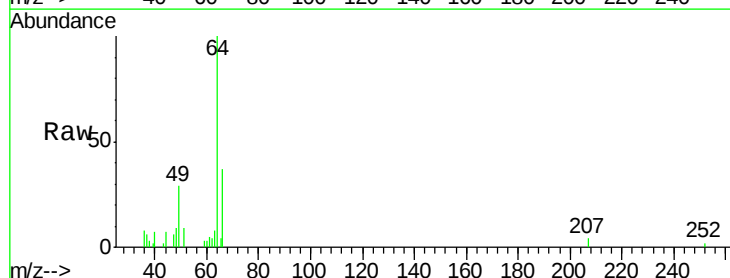
Acq: 19 Aug 2020 12:44

Tgt Ion: 64 Resp: 19774

Ion Ratio Lower Upper

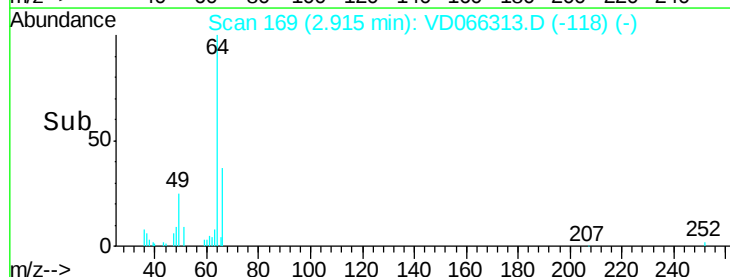
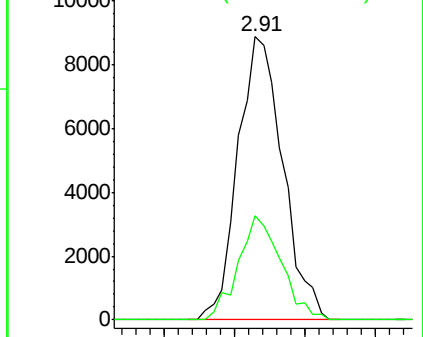
64 100

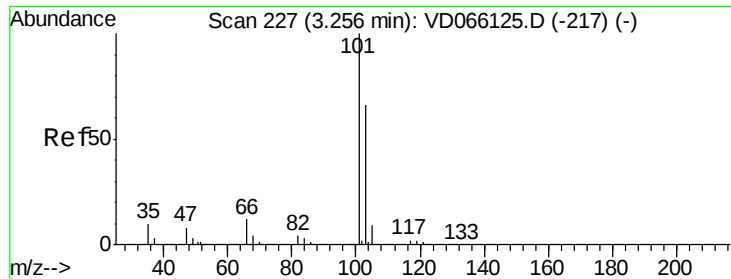
66 36.8 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

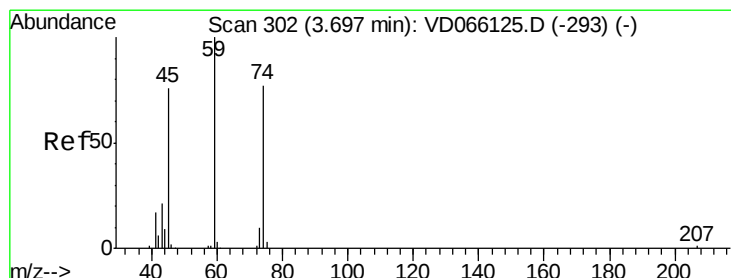
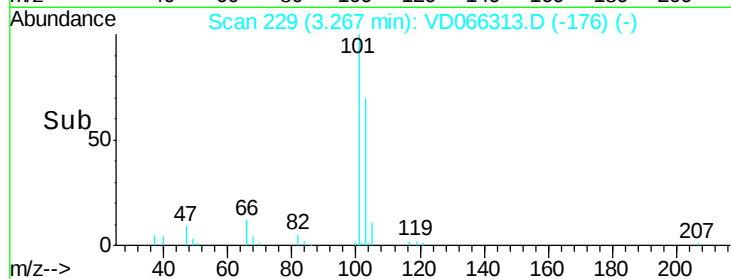
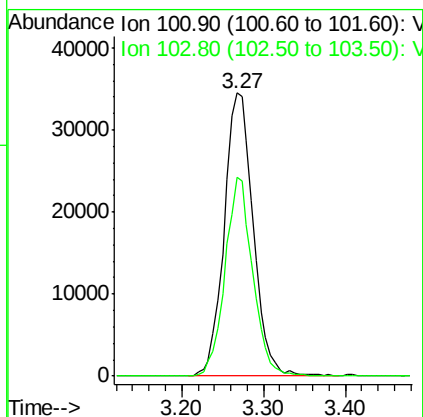
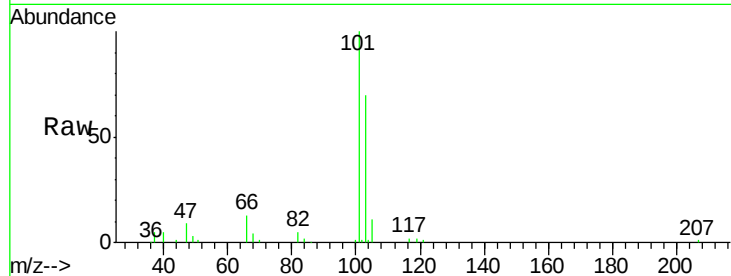
Trichlorofluoromethane
Concen: 21.632 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	53.0	79.6

Manual Integrations
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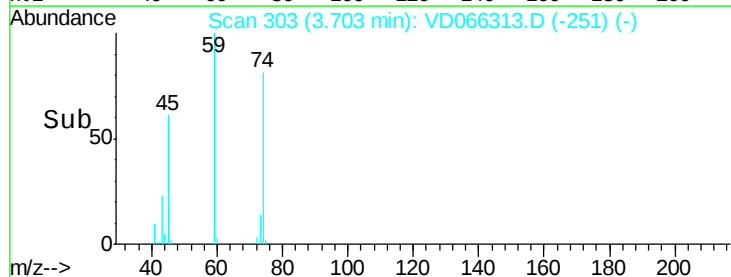
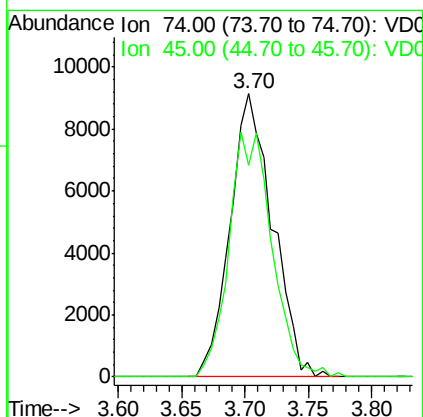
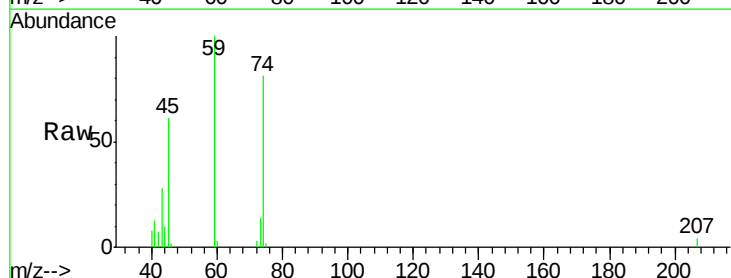
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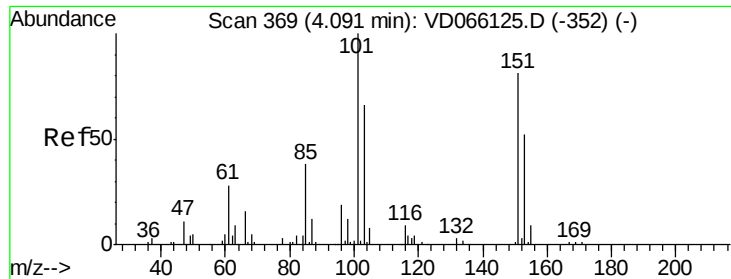


#8

Diethyl Ether
Concen: 19.134 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.471 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

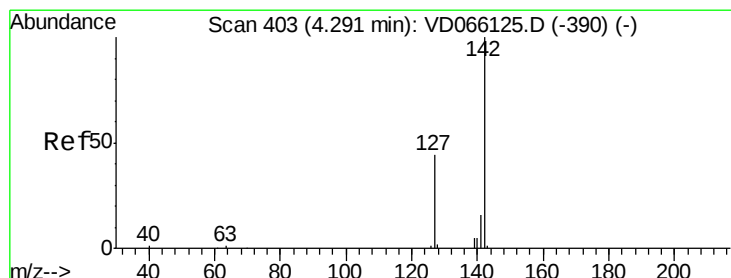
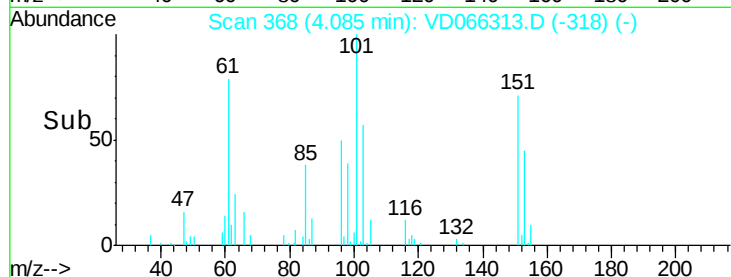
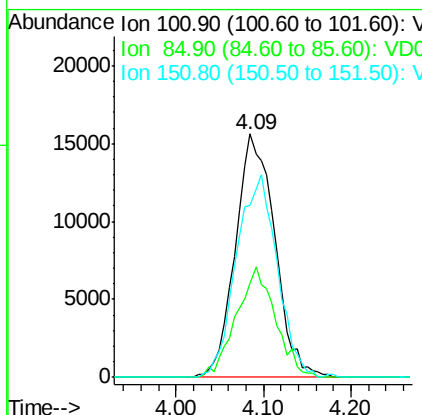
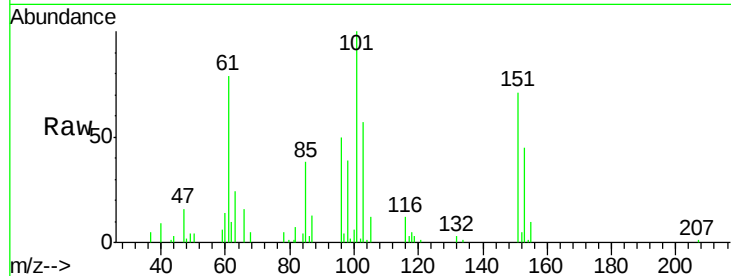
ClientSampleId :

VD0819SBS01

Tot Ion:	101	Resp:	47755
Ion Ratio	Lower	Upper	
101	100		
85	44.8	33.5	50.3
151	86.4	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 26.906 ug/l

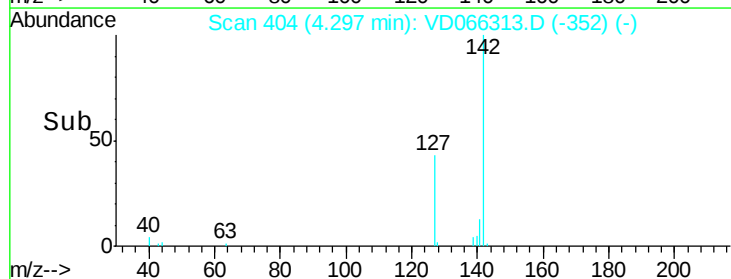
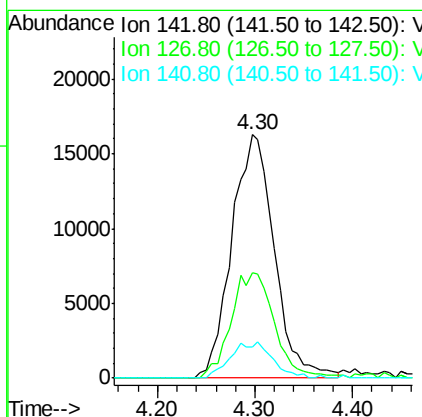
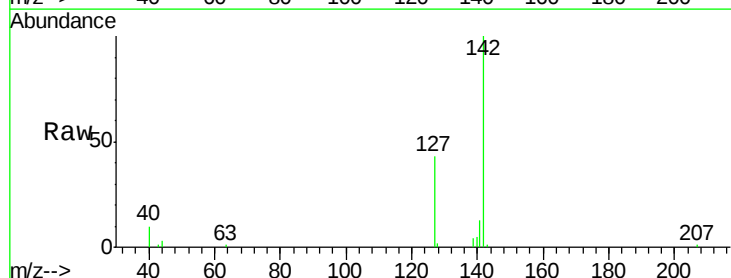
RT: 4.30 min Scan# 404

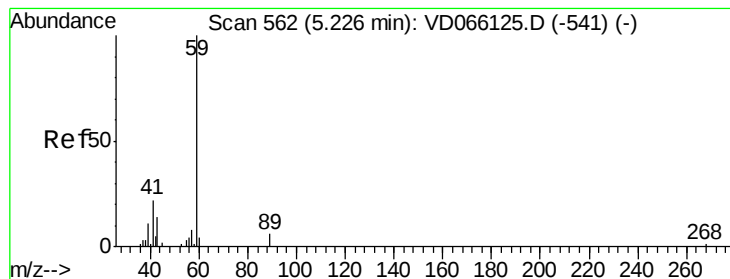
Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion:	142	Resp:	49539
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.2	54.4
141	14.4	12.6	18.8





#11

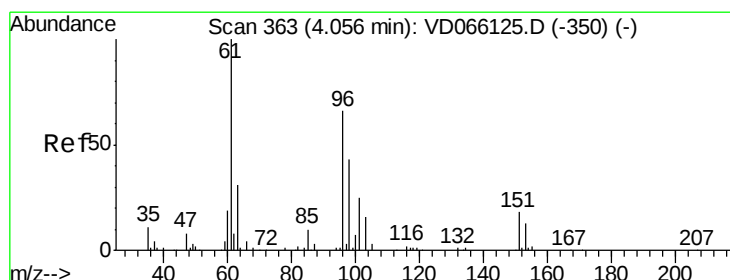
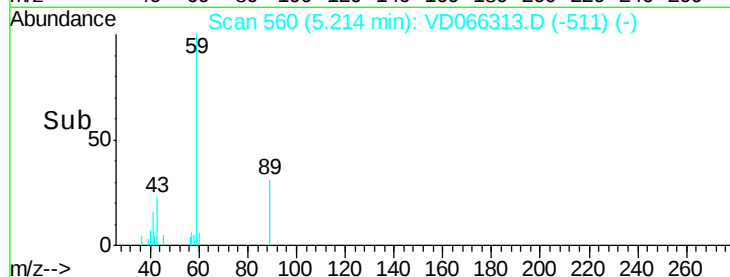
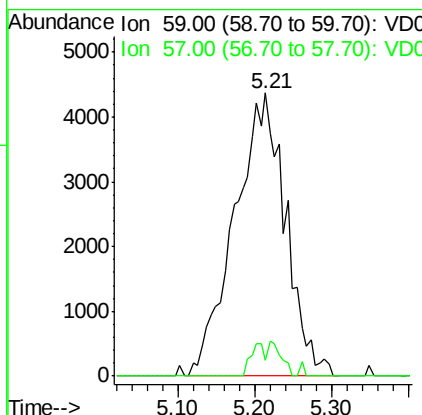
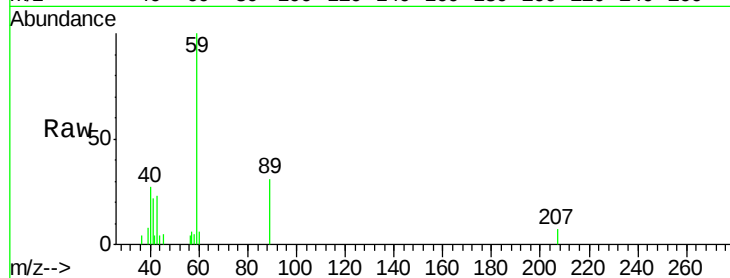
Tert butyl alcohol
 Concen: 98.780 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.2	7.0	10.4#

Manual Integrations
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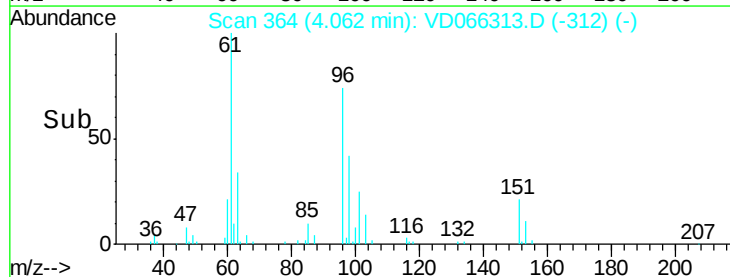
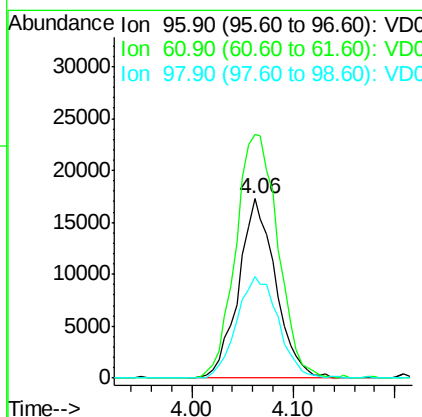
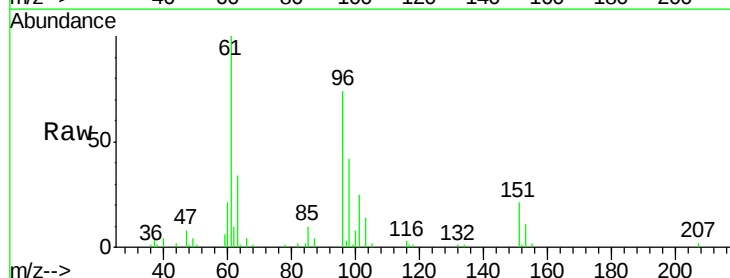
MMDadoda
 8/20/2020 3:36:50 PM

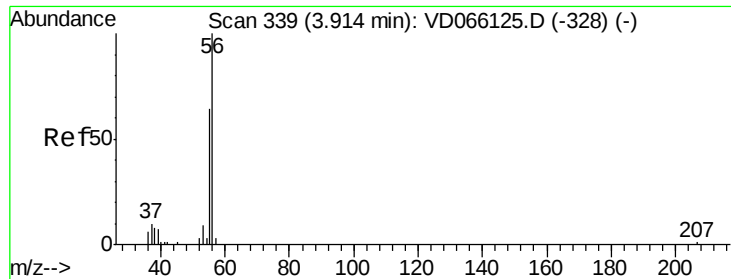


#12

1,1-Dichloroethene
 Concen: 19.980 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.6	121.6	182.4
98	56.5	52.0	78.0





#13

Acrolein

Concen: 56.692 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 56 Resp: 10004

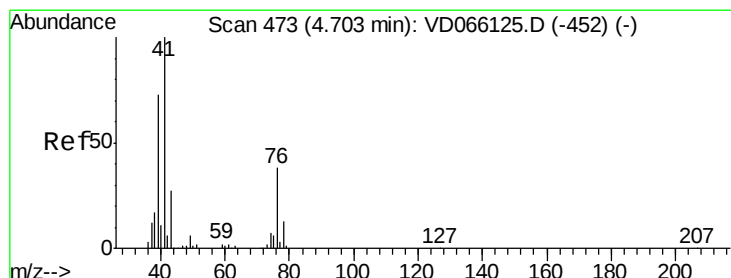
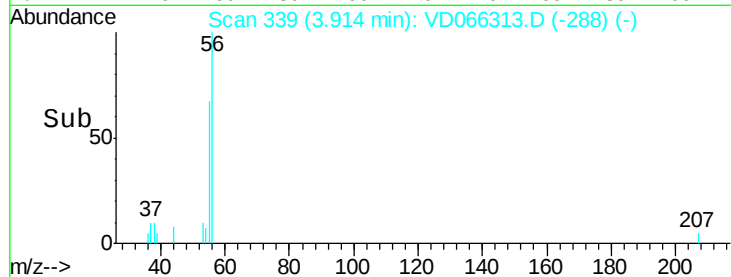
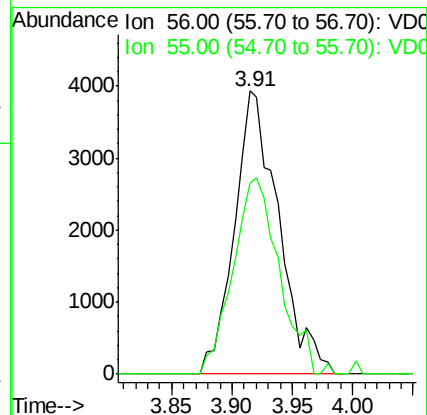
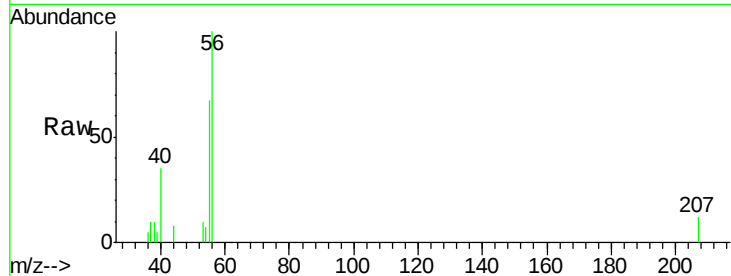
Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1

Manual Integrations
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MMDadoda
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#14

Allyl chloride

Concen: 18.542 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

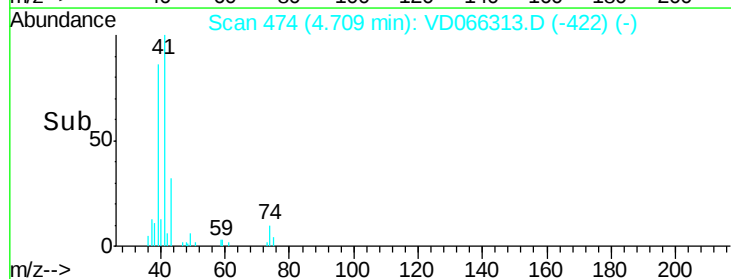
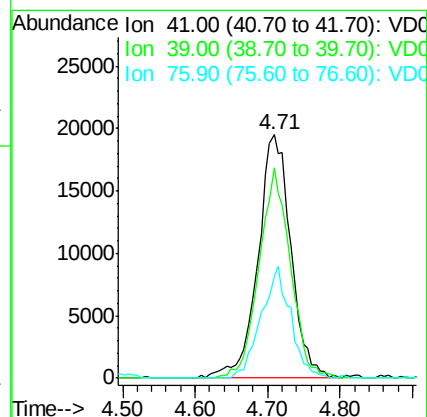
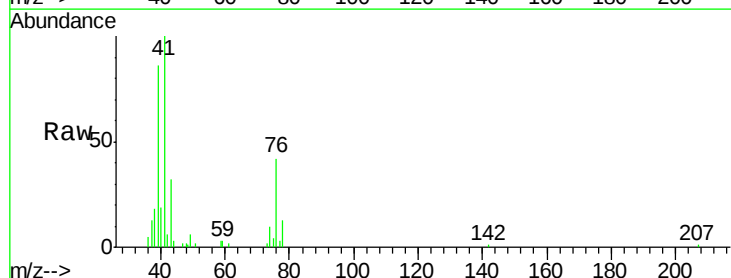
Tgt Ion: 41 Resp: 61818

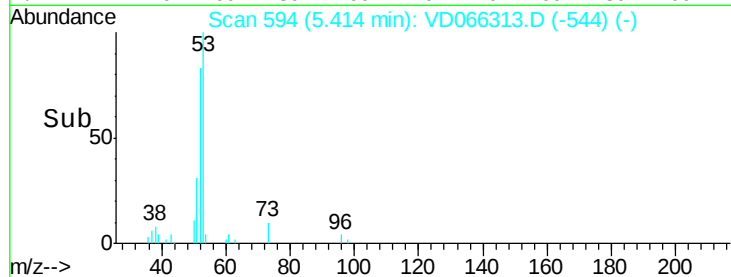
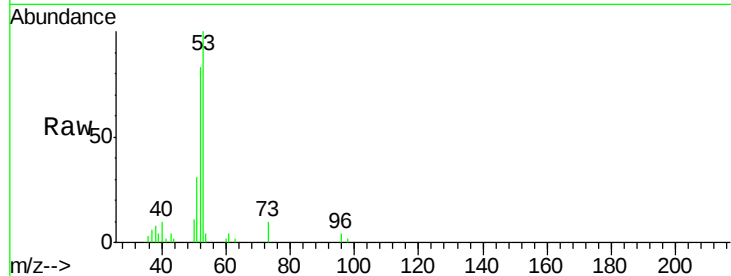
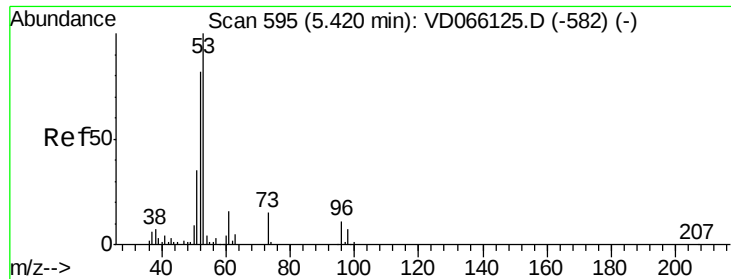
Ion Ratio Lower Upper

41 100

39 81.9 57.4 86.0

76 41.2 30.1 45.1





#15

Acrylonitrile

Concen: 92.567 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tot Ion:	53	Resp:	43264
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.1	99.1
51	38.3	30.8	46.2

Instrument :

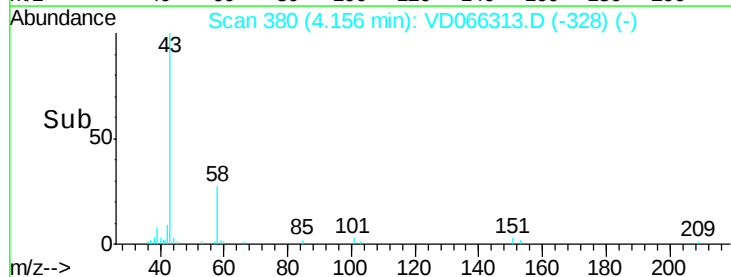
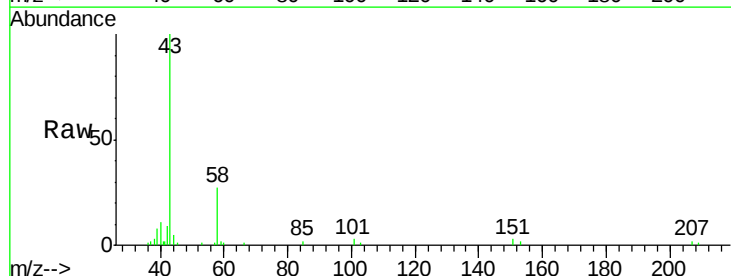
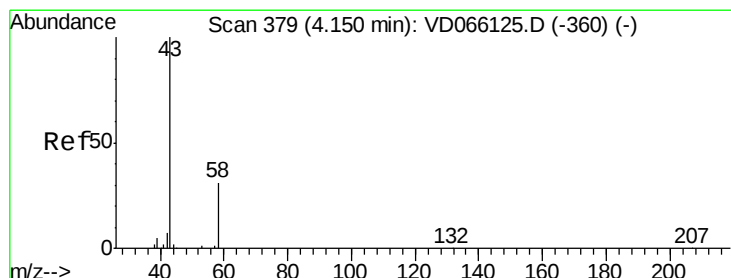
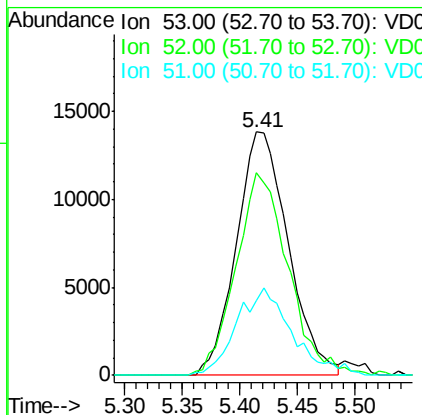
MSVOA_D

ClientSampleId :

VD0819SBS01

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 94.576 ug/l

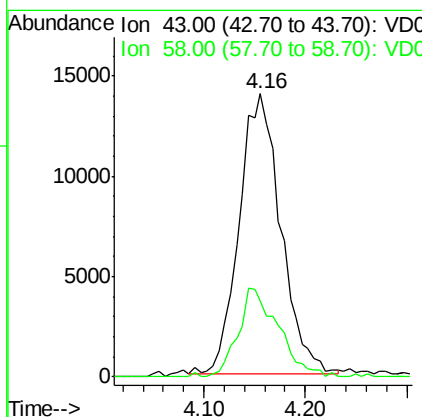
RT: 4.16 min Scan# 380

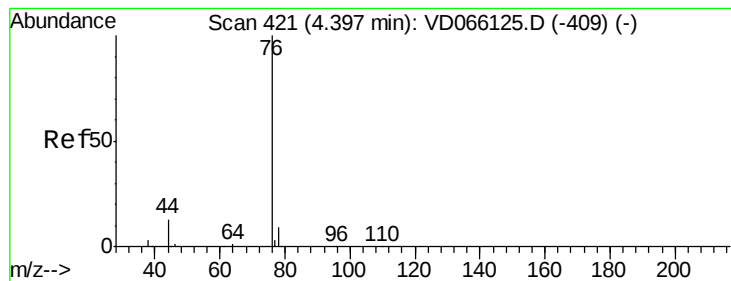
Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion:	43	Resp:	39783
Ion Ratio	Lower	Upper	
43	100		
58	27.1	24.7	37.1





#17

Carbon Disulfide

Concen: 18.351 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 76 Resp: 128403

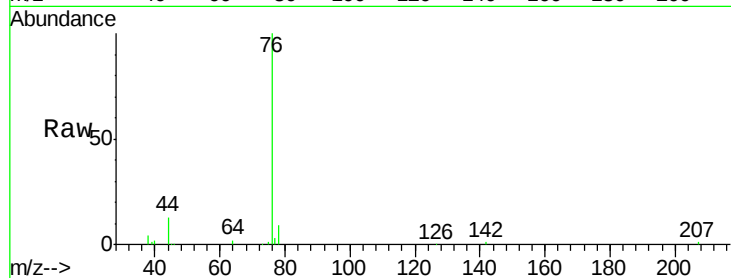
Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3

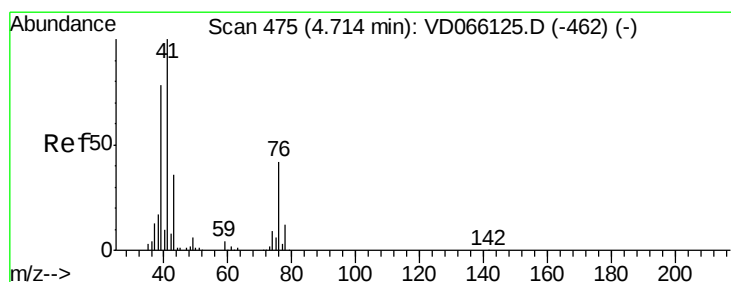
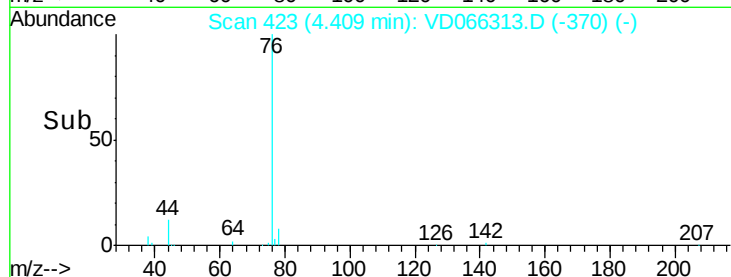
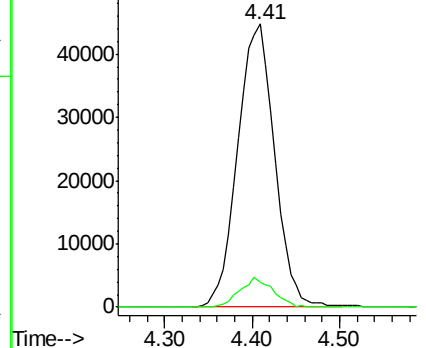
Manual Integrations
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MMDadoda
8/20/2020 3:36:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.518 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066313.D

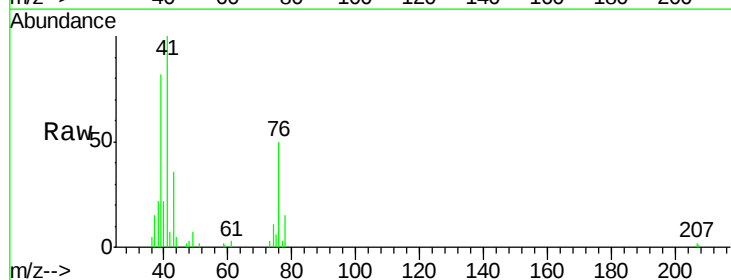
Acq: 19 Aug 2020 12:44

Tgt Ion: 43 Resp: 19786

Ion Ratio Lower Upper

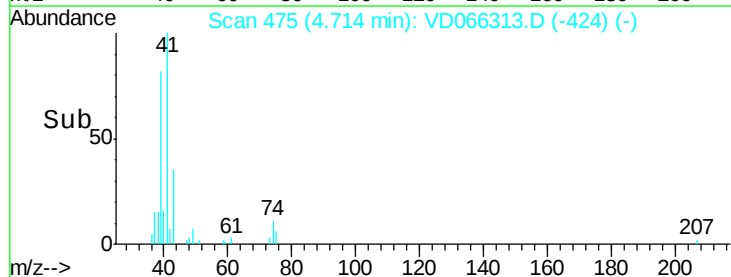
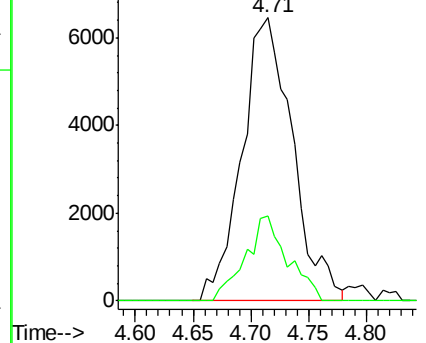
43 100

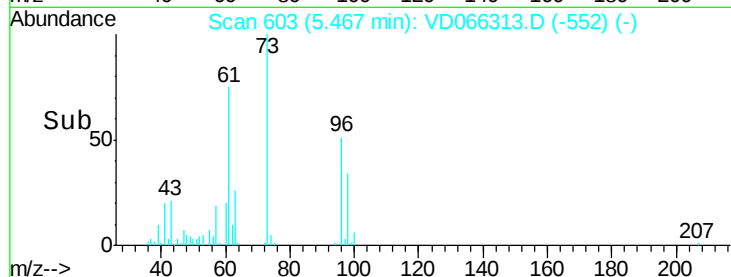
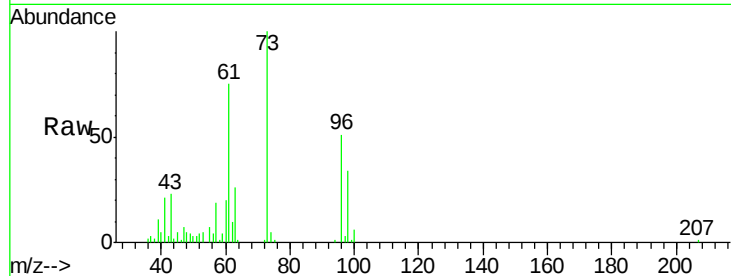
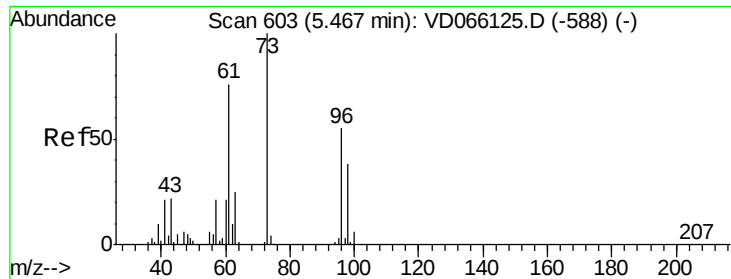
74 24.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





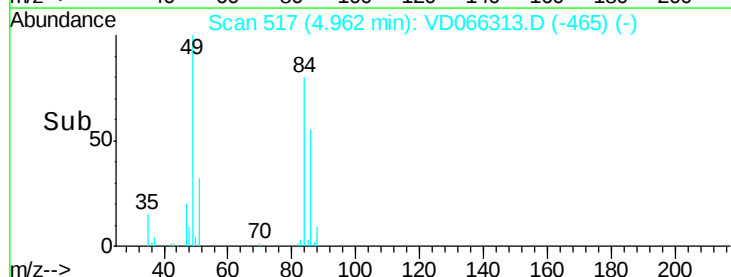
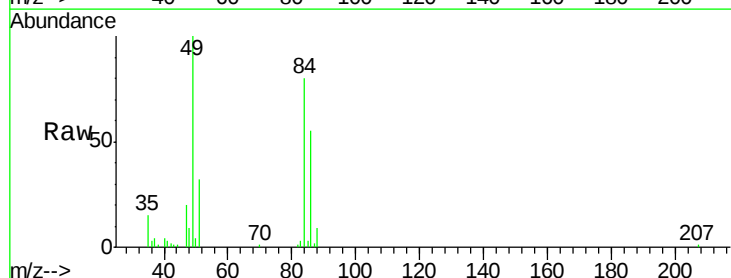
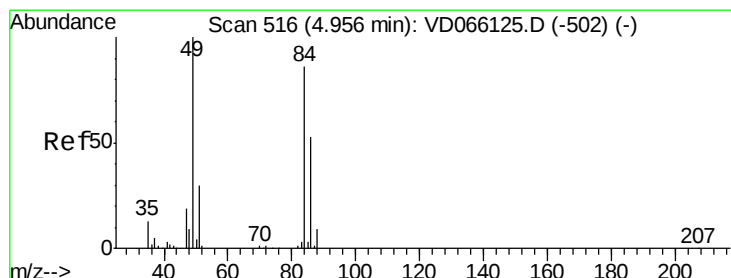
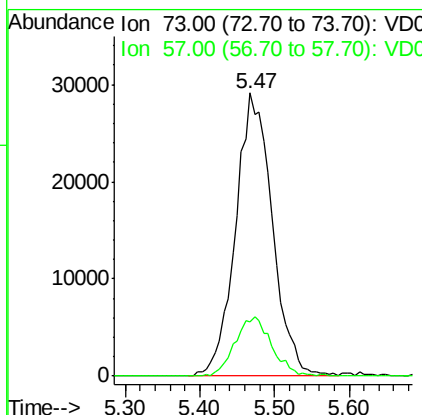
#19
Methyl tert-butyl Ether
Concen: 19.765 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tot Ion	73	Resp	99698
Ion Ratio	100	Lower	Upper
57	19.3	17.1	25.7

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

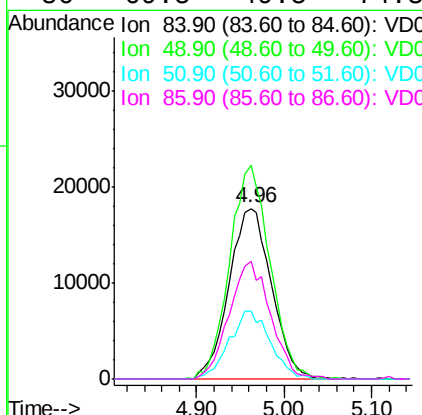
Manual Integrations
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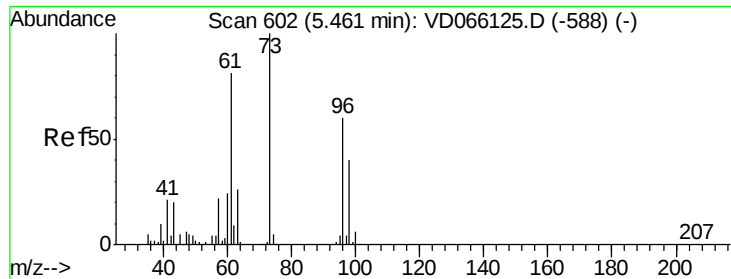
MMDadoda
8/20/2020 3:36:50 PM



#20
Methylene Chloride
Concen: 21.749 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	84	Resp	58907
Ion Ratio	100	Lower	Upper
49	124.6	93.5	140.3
51	40.1	28.2	42.4
86	69.5	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 19.419 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

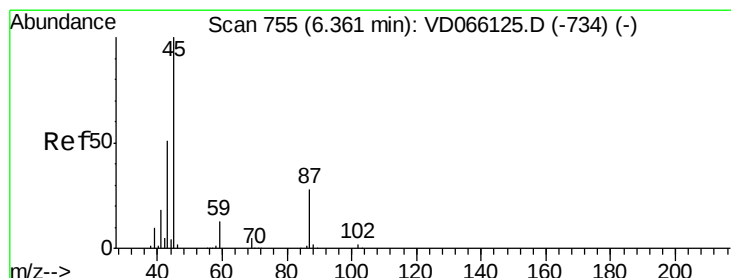
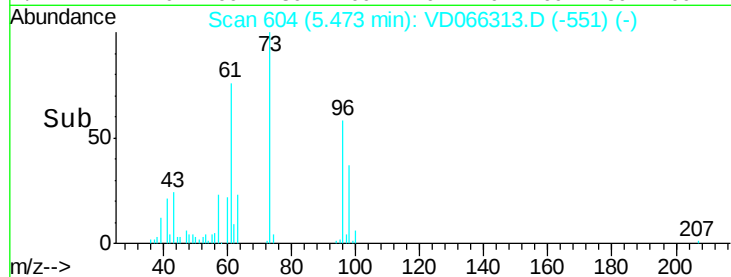
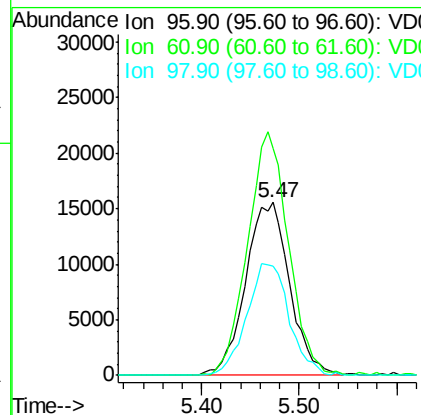
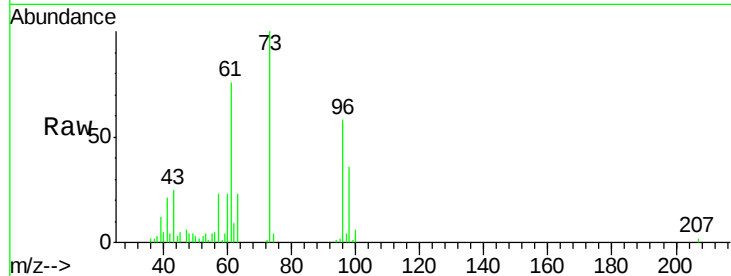
ClientSampleId :

VD0819SBS01

Tot Ion:	96	Resp:	49092
Ion	Ratio	Lower	Upper
96	100		
61	131.1	106.9	160.3
98	62.9	53.4	80.0

Manual Integrations
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MMDadoda
8/20/2020 3:36:50 PM



#22

Diisopropyl ether

Concen: 18.844 ug/l

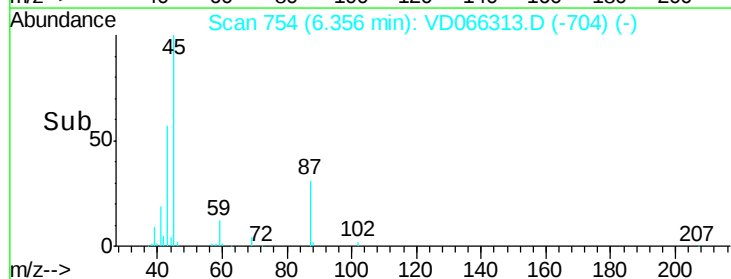
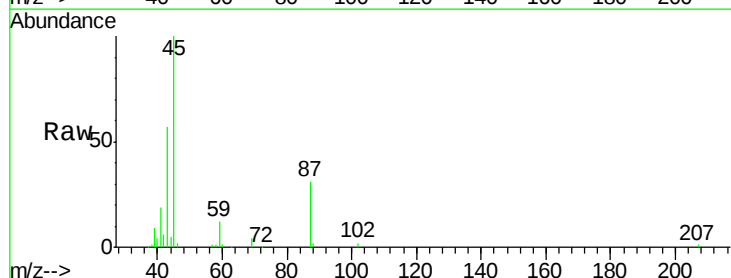
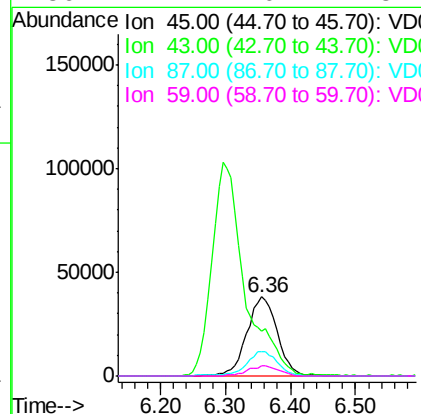
RT: 6.36 min Scan# 754

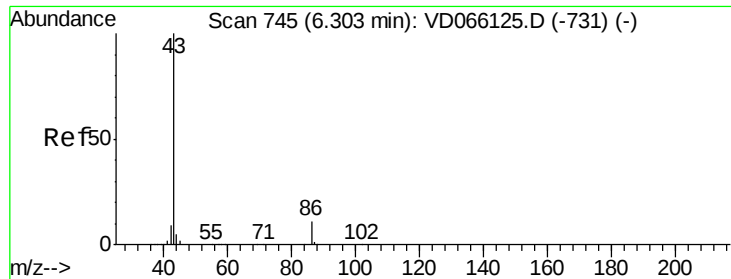
Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion:	45	Resp:	124239
Ion	Ratio	Lower	Upper
45	100		
43	56.7	41.2	61.8
87	30.7	22.8	34.2
59	12.2	10.2	15.2





#23

Vinyl Acetate

Concen: 93.209 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 360013

Ion Ratio Lower Upper

43 100

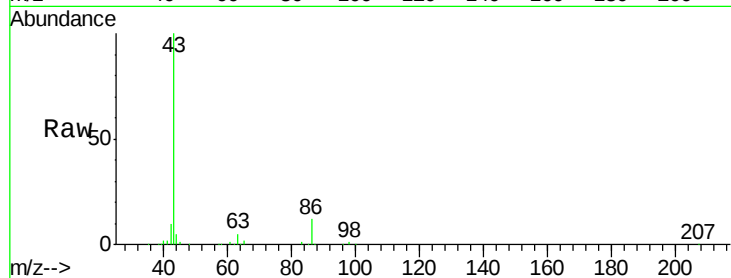
86 12.0 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:36:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

100000

80000

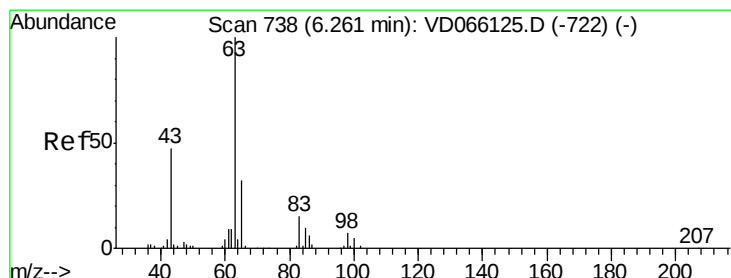
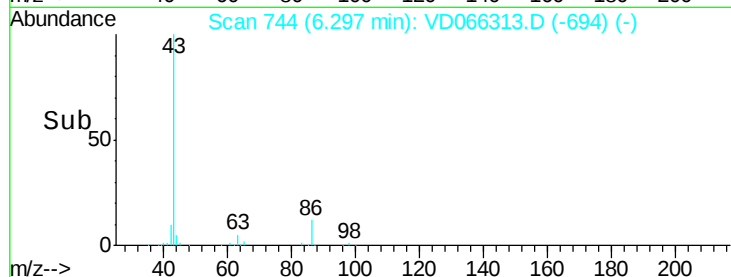
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.215 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

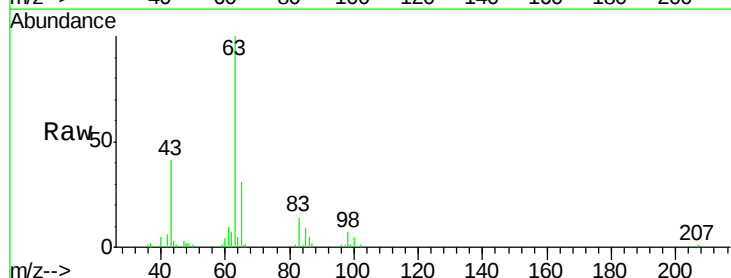
Tgt Ion: 63 Resp: 82482

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

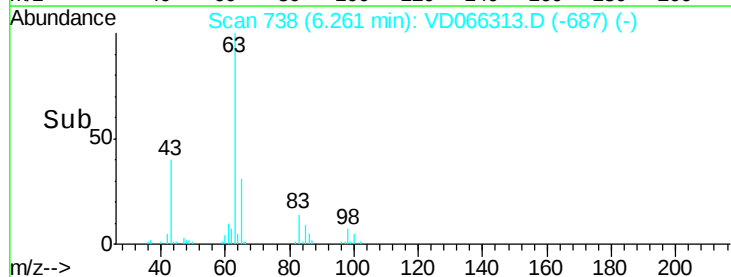
30000

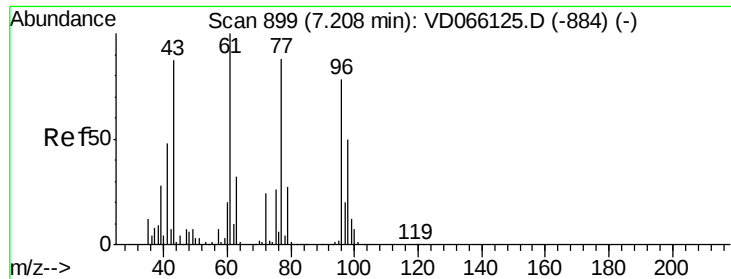
20000

10000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 89.380 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 55299

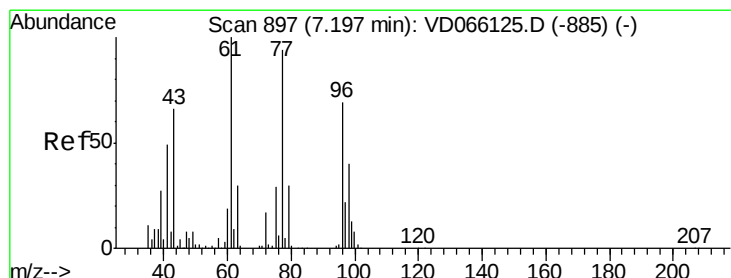
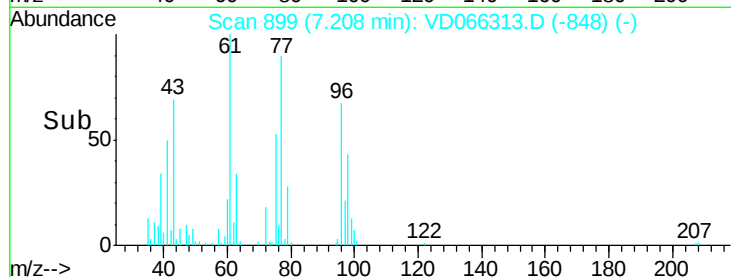
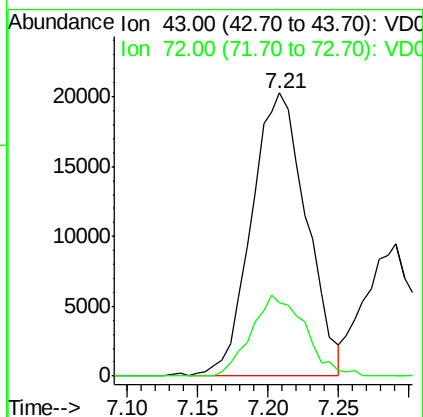
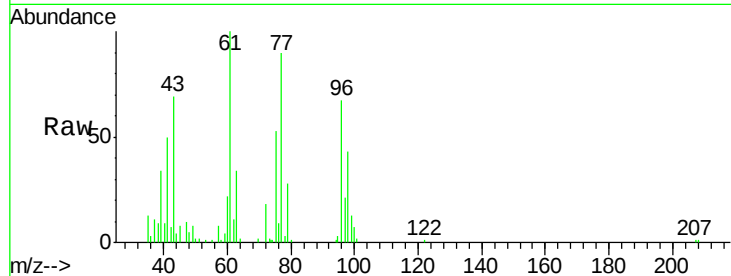
Ion Ratio Lower Upper

43 100

72 25.9 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 22.635 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066313.D

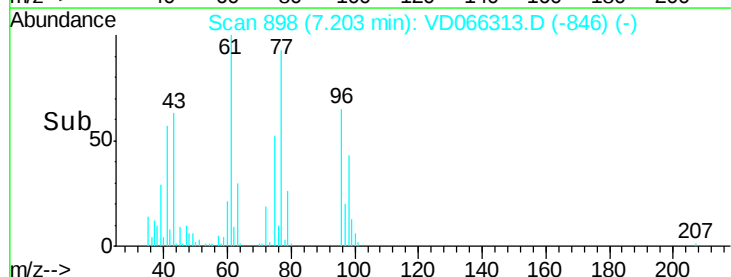
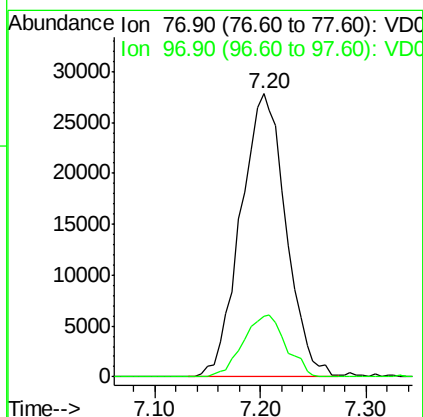
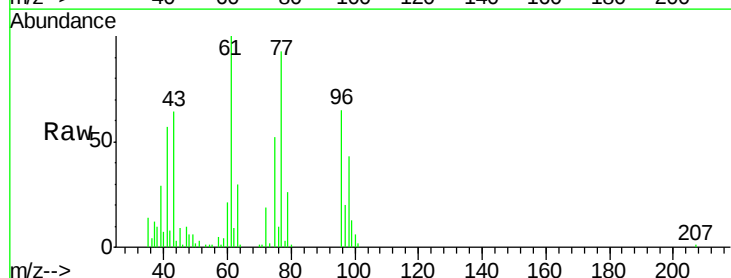
Acq: 19 Aug 2020 12:44

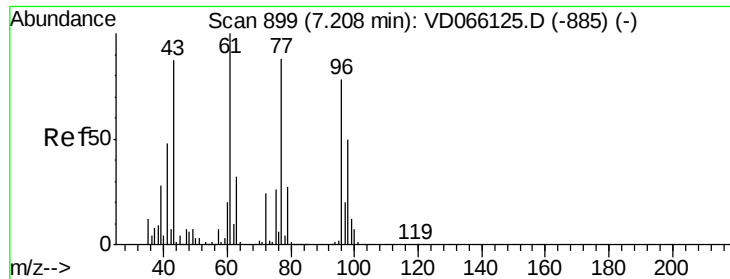
Tgt Ion: 77 Resp: 82776

Ion Ratio Lower Upper

77 100

97 20.7 11.8 35.3





#27

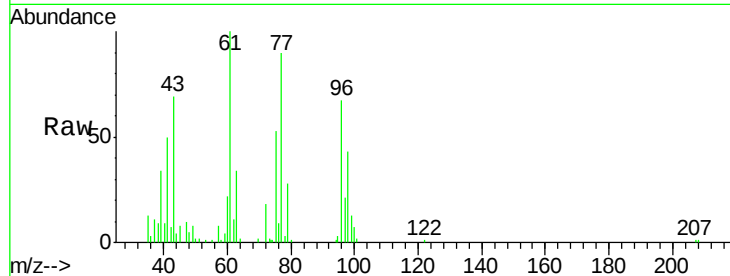
cis-1,2-Dichloroethene
Concen: 20.447 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

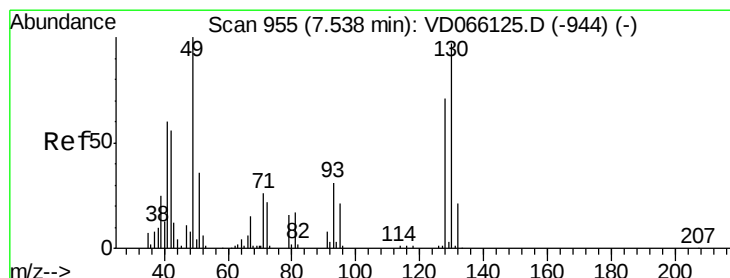
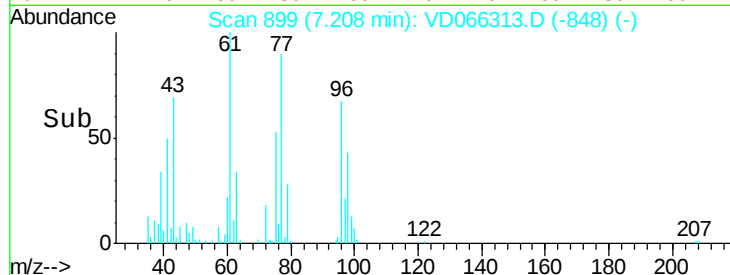
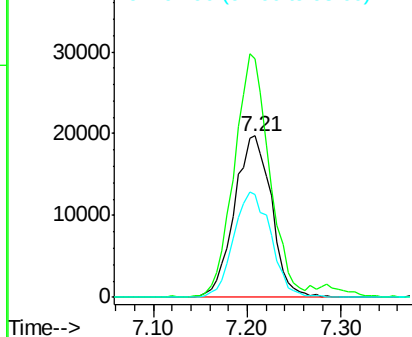
Tot Ion	Ratio	Resp	Lower	Upper
96	100	54218		
61	142.6		0.0	281.6
98	65.5		0.0	130.8

Manual Integrations
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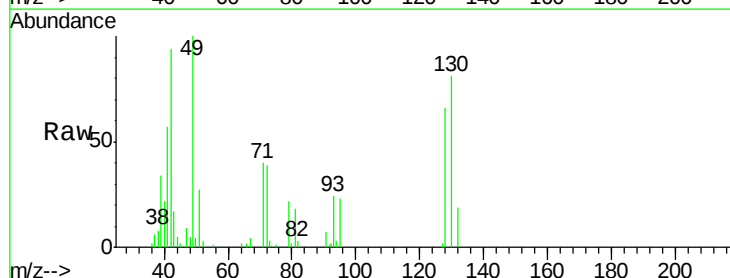
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



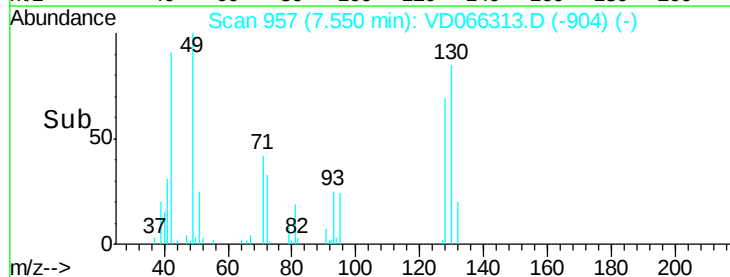
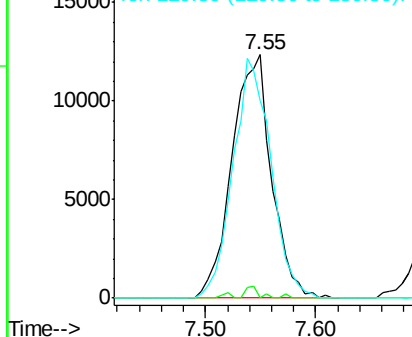
#28

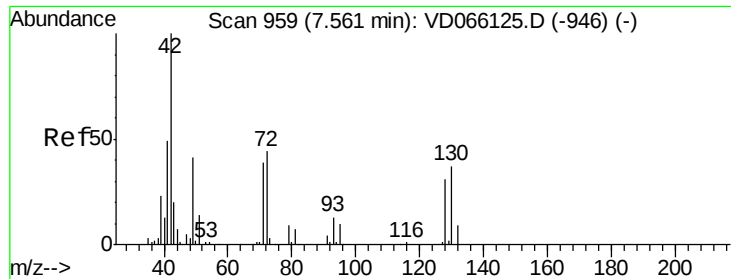
Bromochloromethane
Concen: 21.619 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30981		
129	1.5		0.0	6.0
130	94.9		73.8	110.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





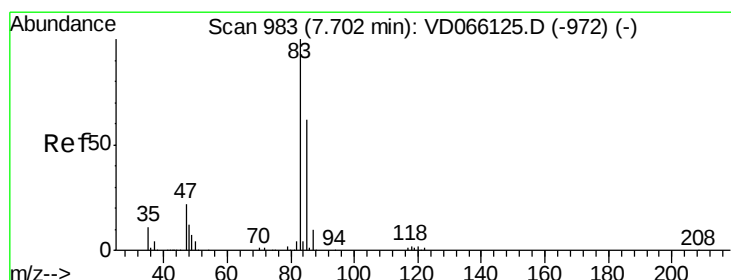
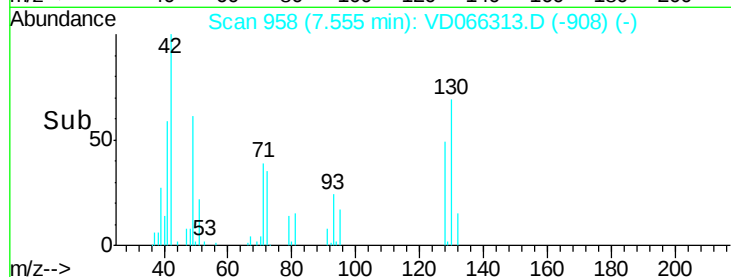
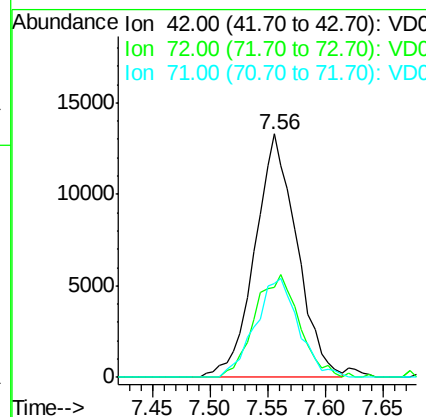
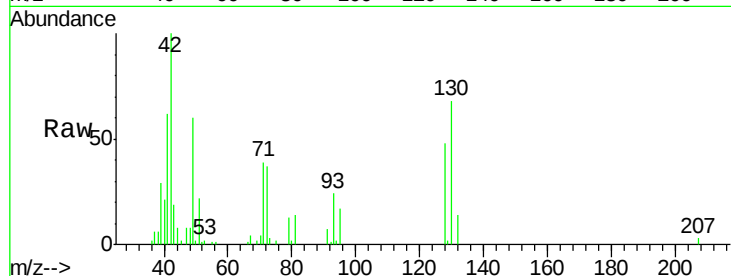
#29
Tetrahydrofuran
Concen: 88.203 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.8	52.2
71	41.9	33.5	50.3

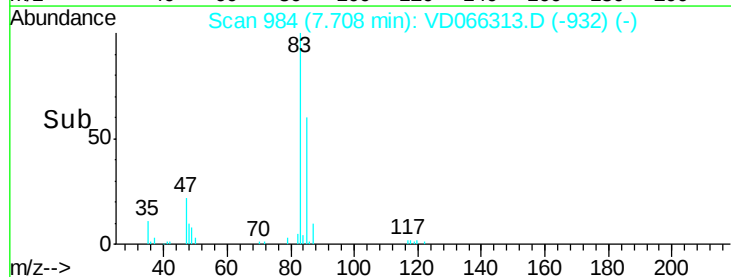
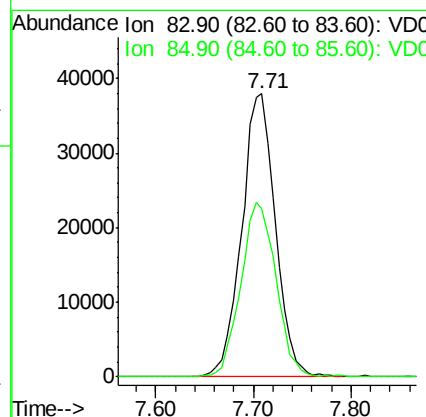
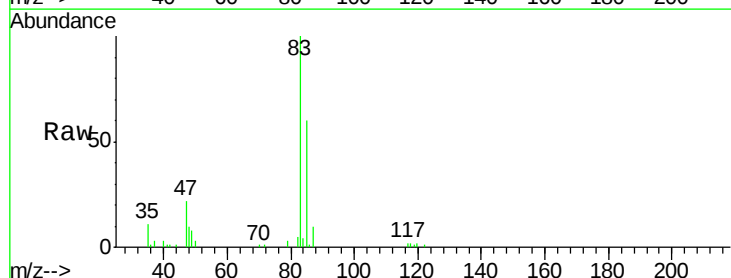
Manual Integrations
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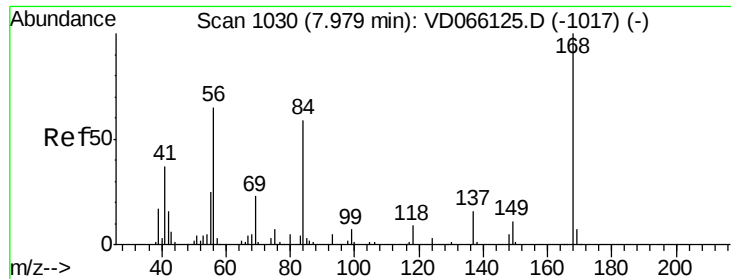
MMDadoda
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#30
Chloroform
Concen: 21.221 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	49.5	74.3





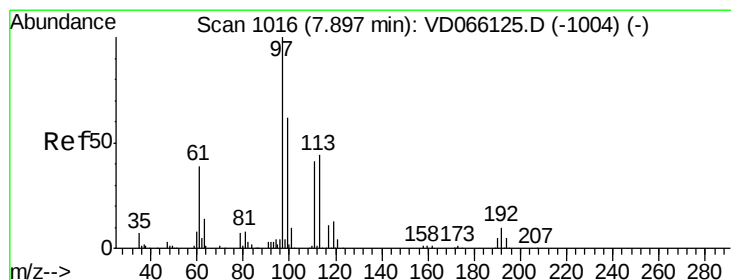
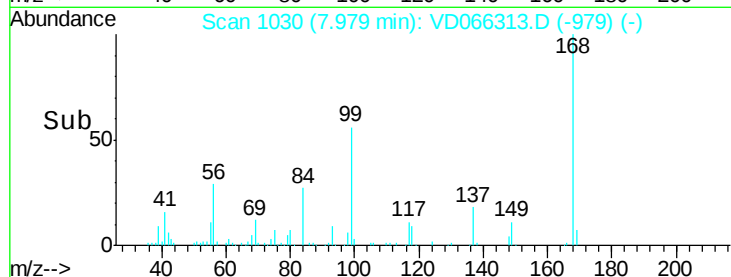
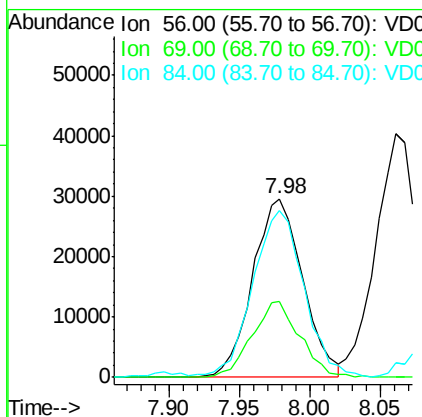
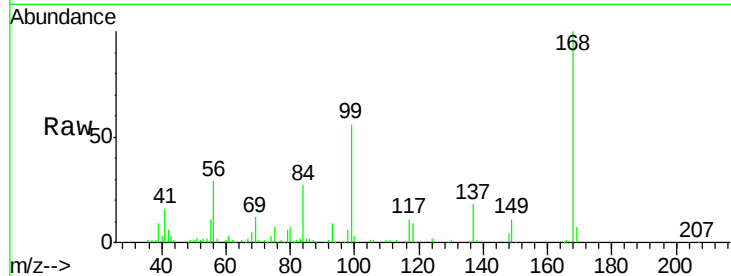
#31
Cyclohexane
Concen: 18.918 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.3	28.8	43.2
84	92.6	73.0	109.6

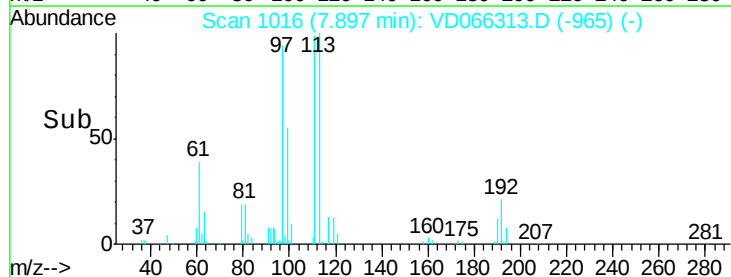
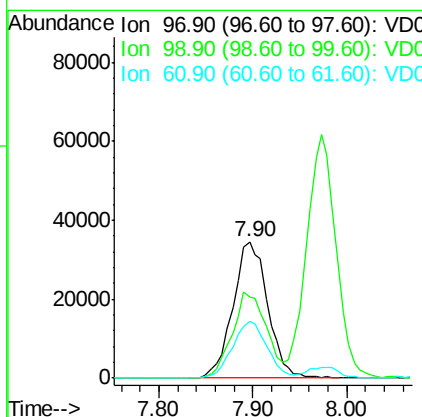
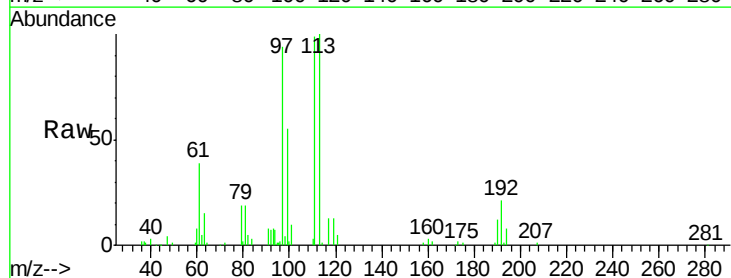
Manual Integrations
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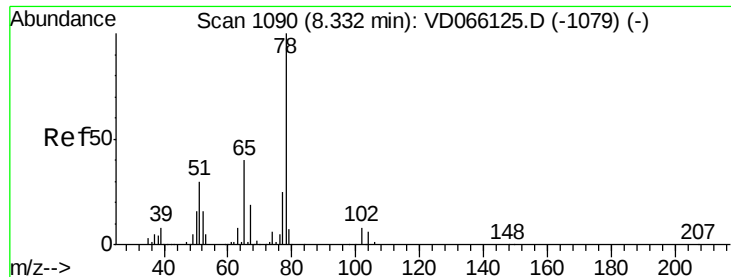
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#32
1,1,1-Trichloroethane
Concen: 21.922 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.1	76.7
61	41.5	32.7	49.1





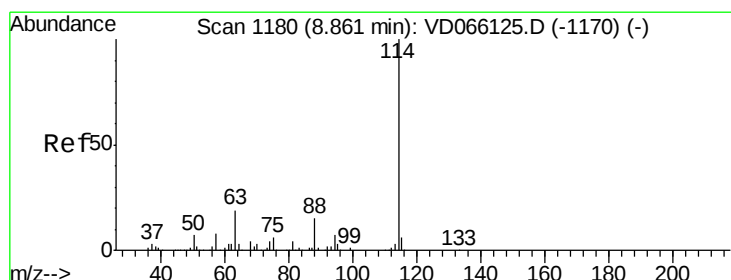
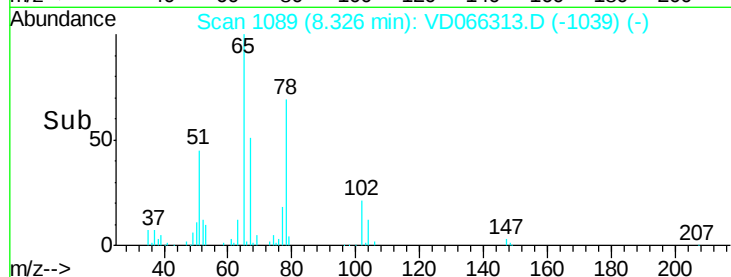
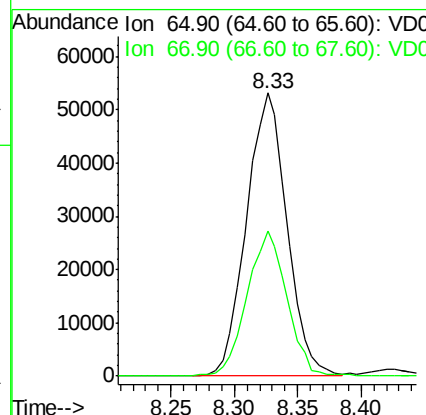
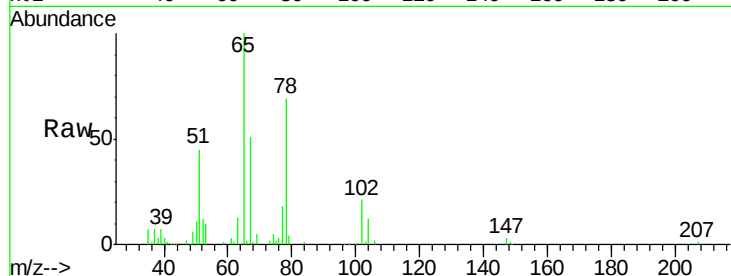
#33
 1,2-Dichloroethane-d4
 Concen: 53.275 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118108		
67	50.5	0.0	104.6	

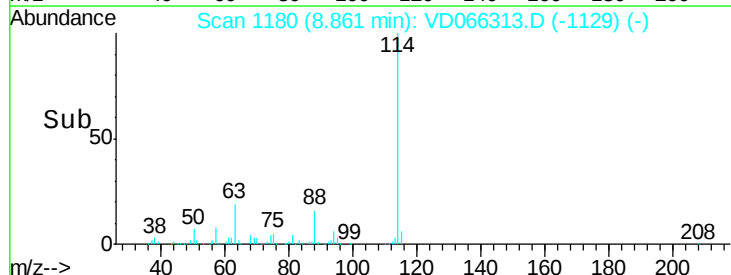
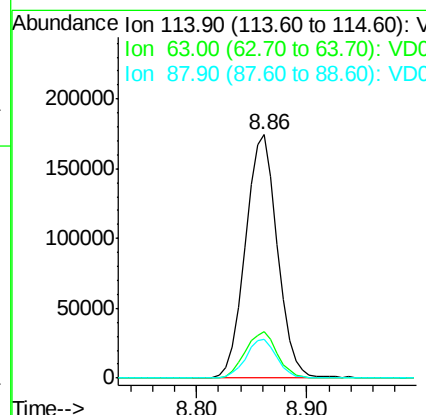
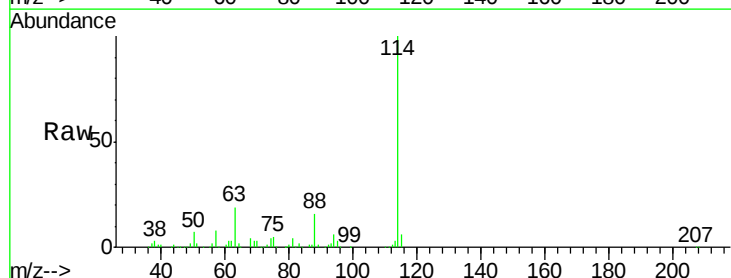
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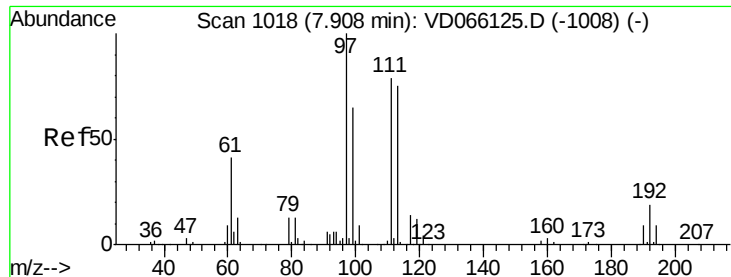
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355043		
63	19.3	0.0	38.6	
88	16.0	0.0	30.0	





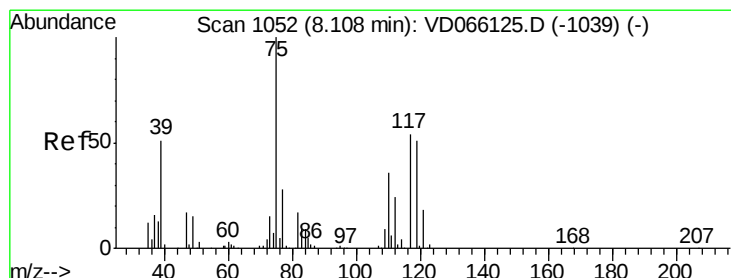
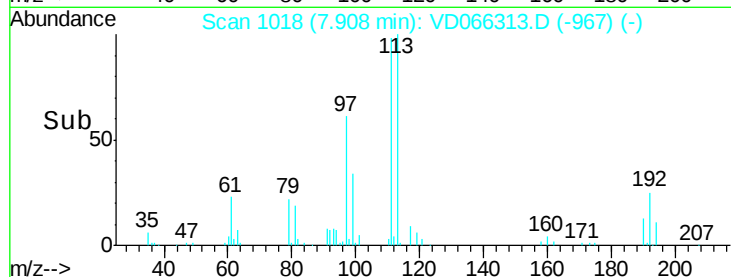
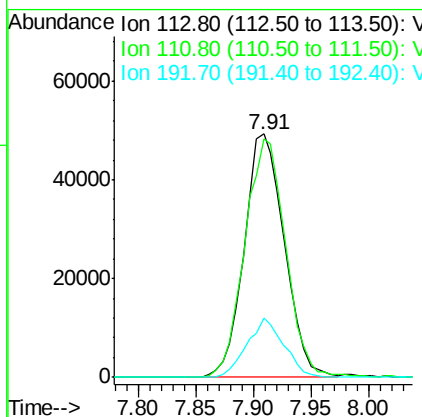
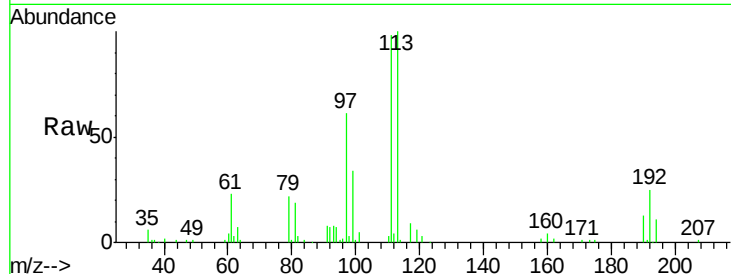
#35
Dibromofluoromethane
Concen: 53.214 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119688		
111	99.9	80.7	121.1	
192	22.4	18.4	27.6	

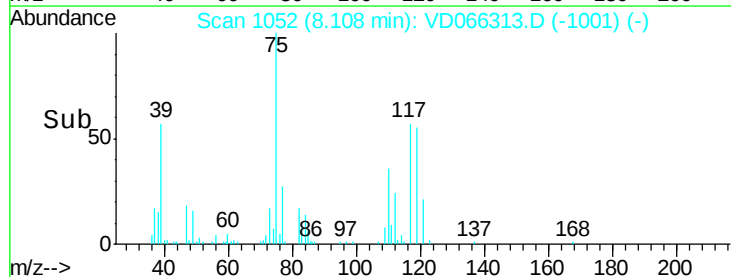
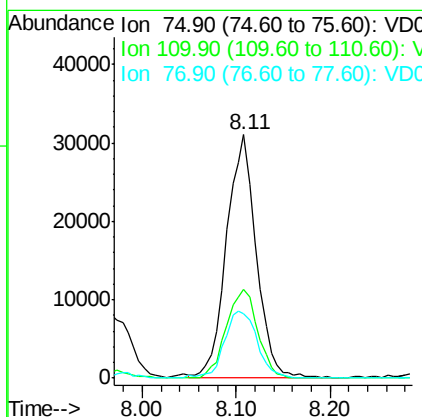
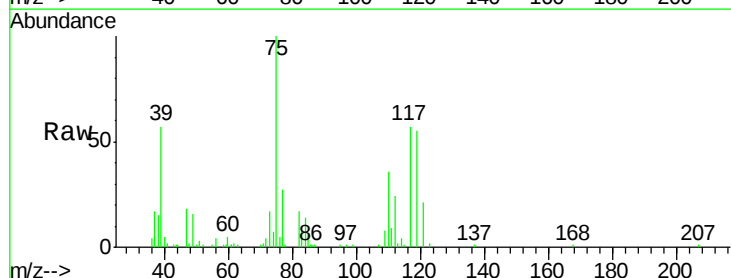
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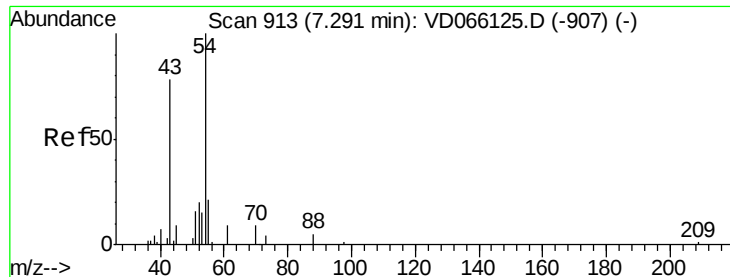
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#36
1,1-Dichloropropene
Concen: 20.419 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68126		
110	38.5	18.8	56.3	
77	30.4	24.2	36.2	





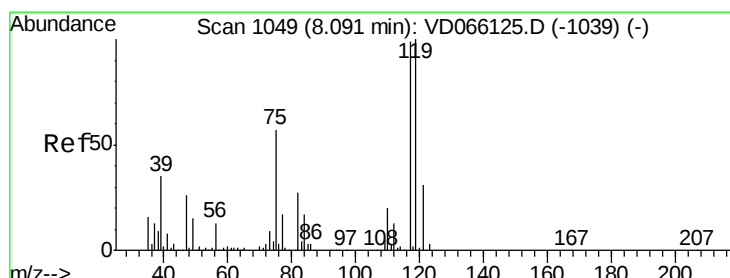
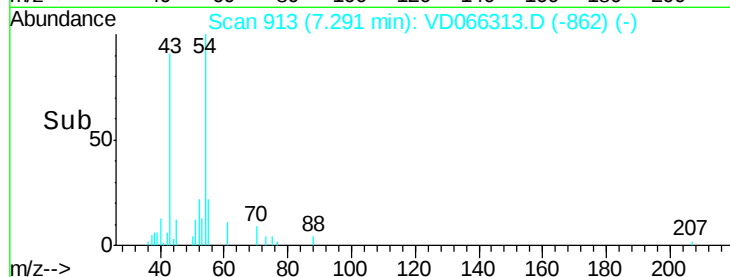
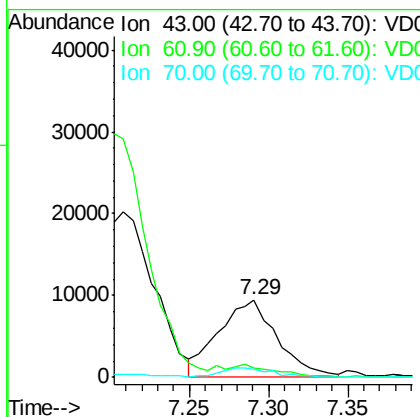
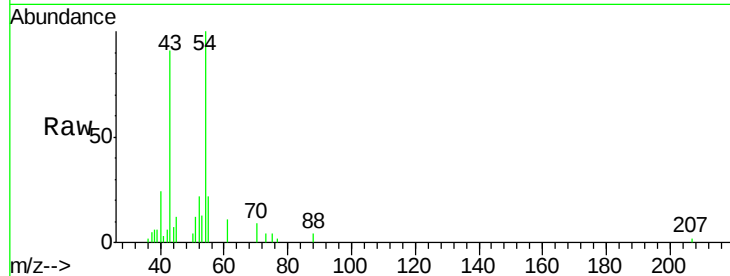
#37
Ethyl Acetate
Concen: 18.468 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	12.0	18.0#
70	10.8	9.7	14.5

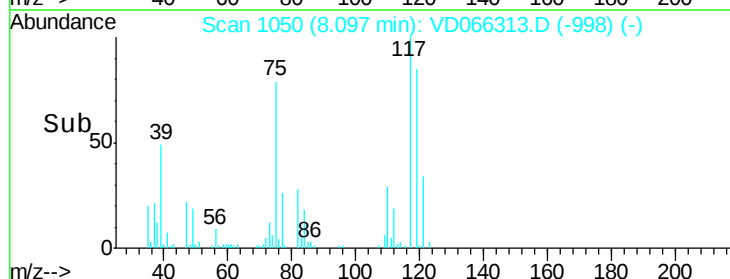
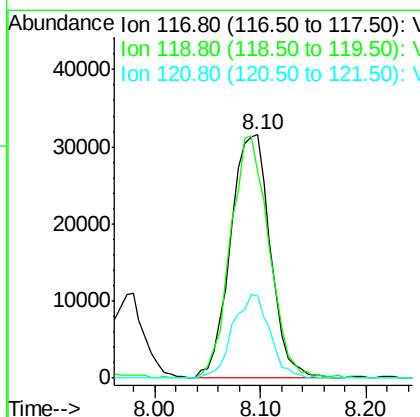
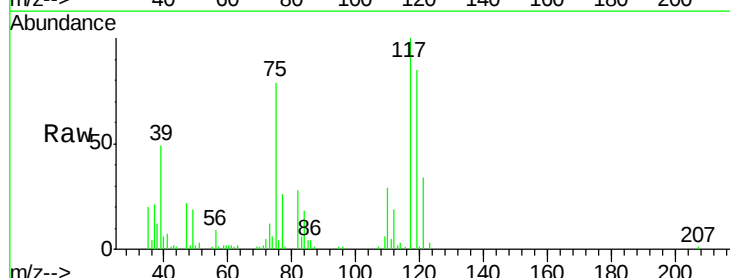
Manual Integrations
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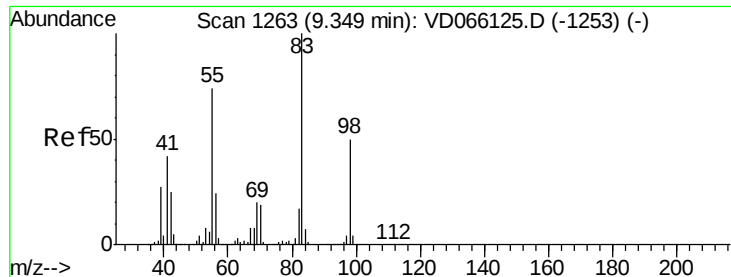
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#38
Carbon Tetrachloride
Concen: 22.106 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.7	81.0	121.4
121	33.7	24.8	37.2





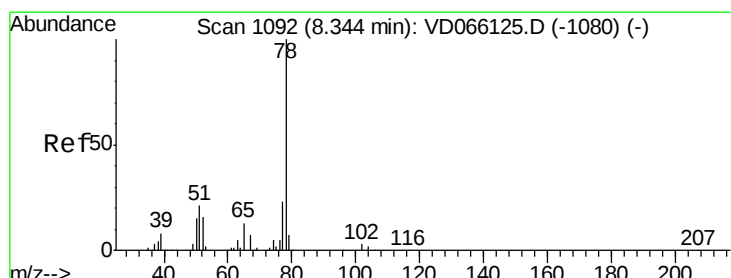
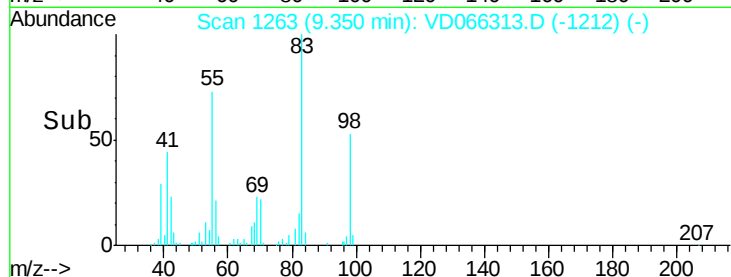
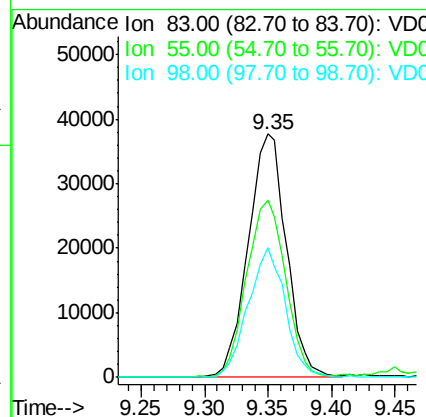
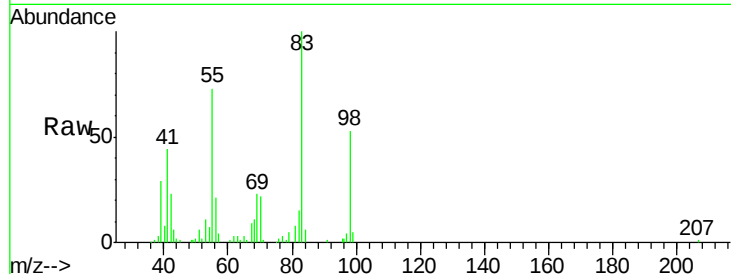
#39
Methvlcvclohexane
Concen: 19.644 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	59.2	88.8
98	53.1	39.8	59.6

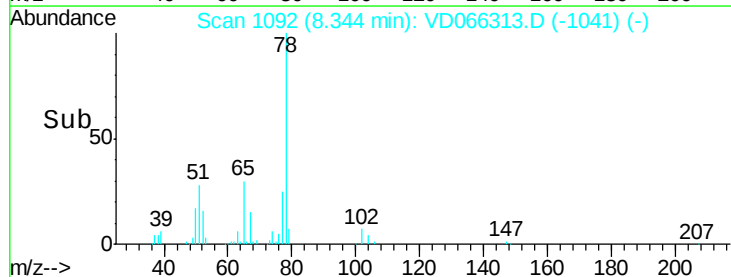
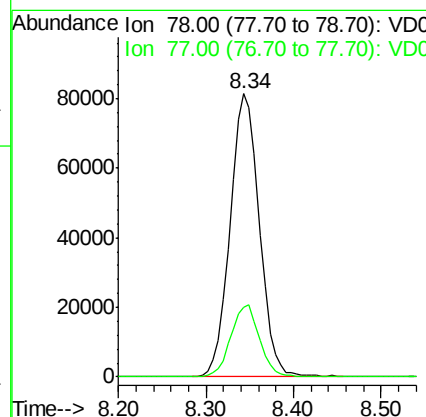
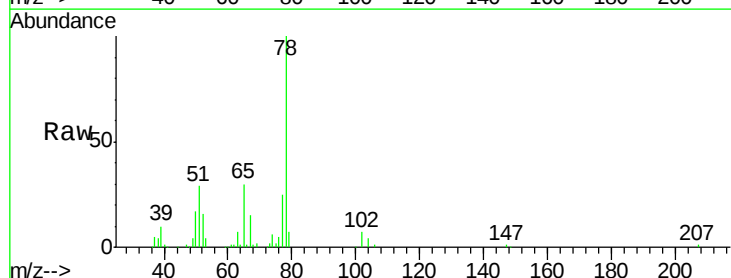
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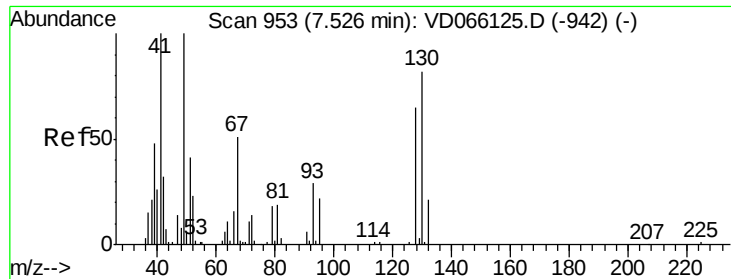
MMDadoda
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#40
Benzene
Concen: 20.033 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	27.8





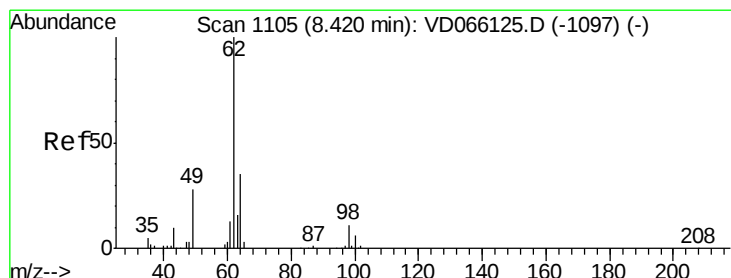
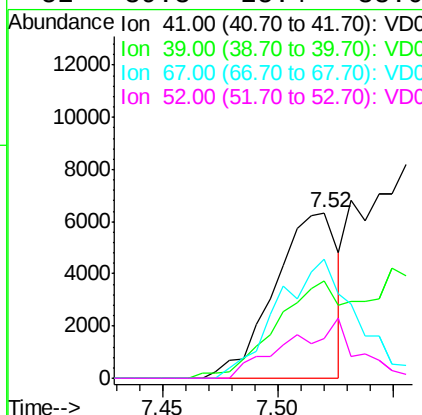
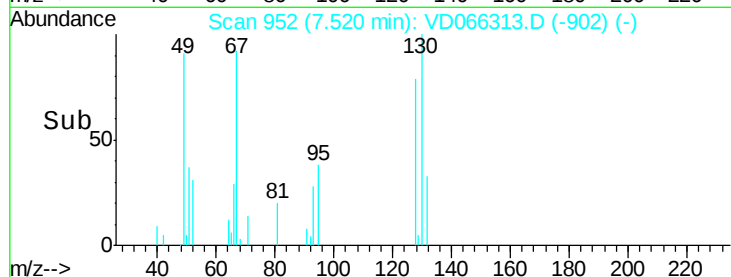
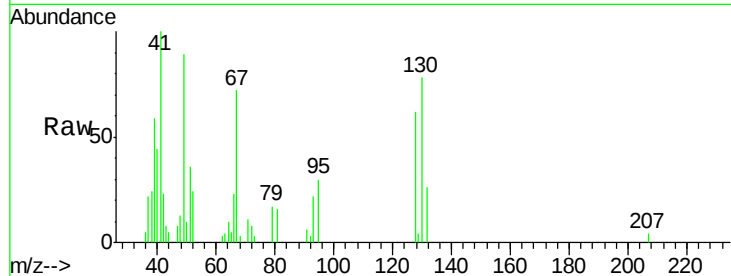
#41
Methacrylonitrile
Concen: 15.540 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.6	47.5	71.3#
67	89.0	59.1	88.7#
52	39.3	25.4	38.0#

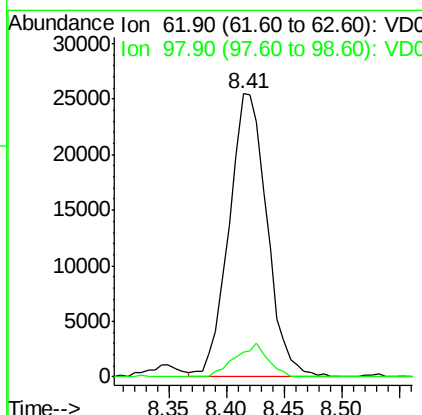
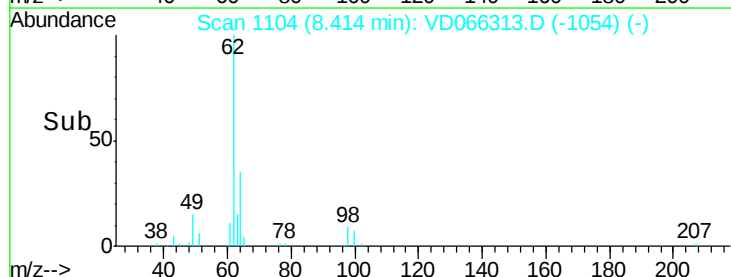
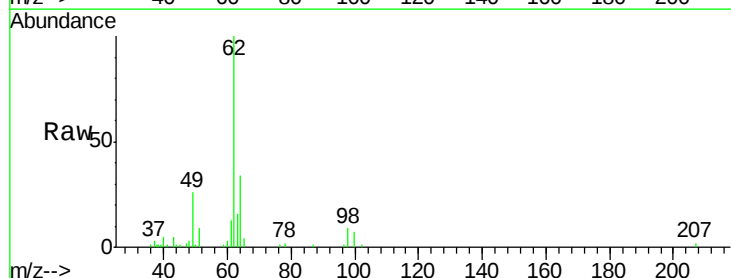
Manual Integrations
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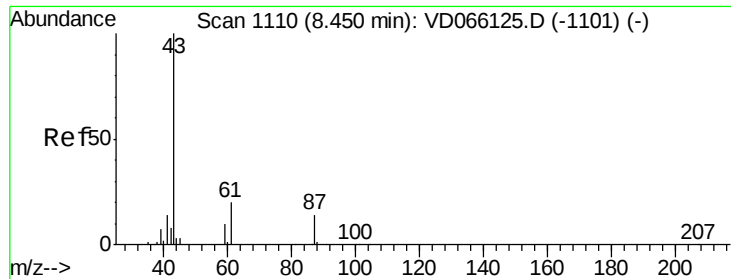
MMDadoda
8/20/2020 3:36:50 PM



#42
1,2-Dichloroethane
Concen: 21.353 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





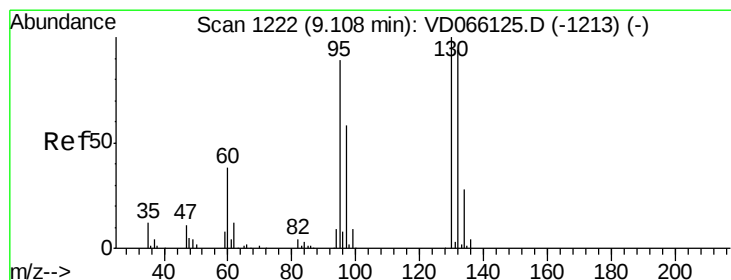
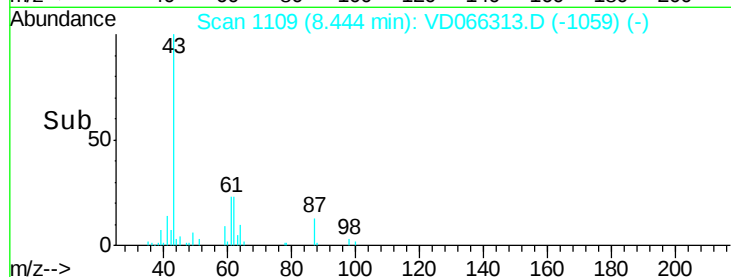
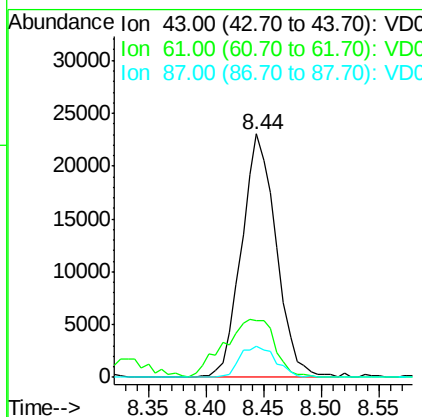
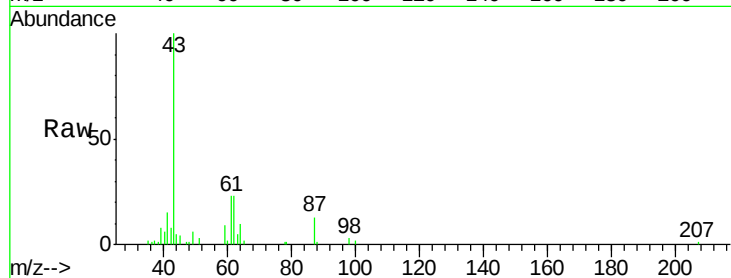
#43
Isopropyl Acetate
Concen: 18.441 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.0	25.5	38.3
87	13.4	11.2	16.8

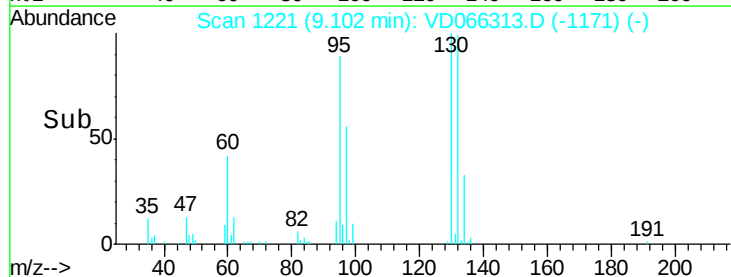
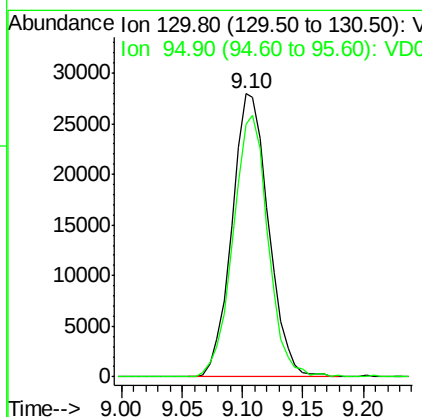
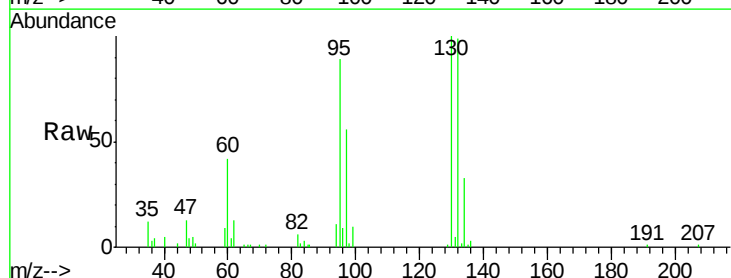
Manual Integrations
APPROVED

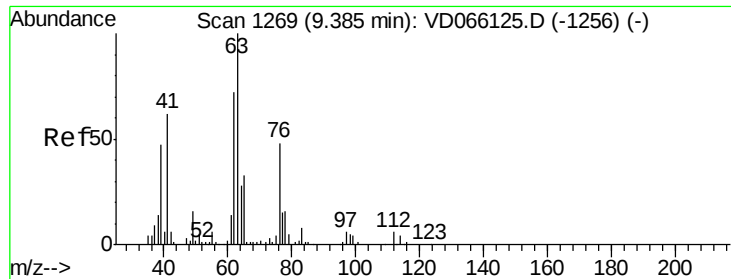
MMDadoda
8/20/2020 3:36:50 PM



#44
Trichloroethene
Concen: 21.143 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.277 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 63 Resp: 43636

Ion Ratio Lower Upper

63 100

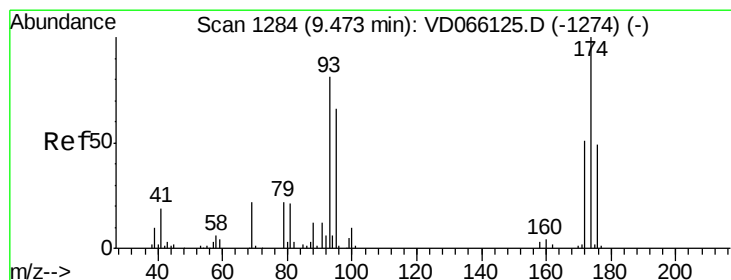
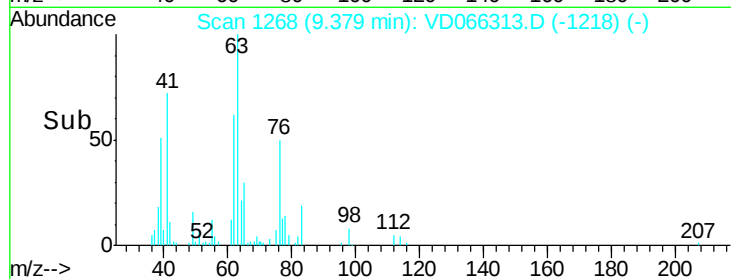
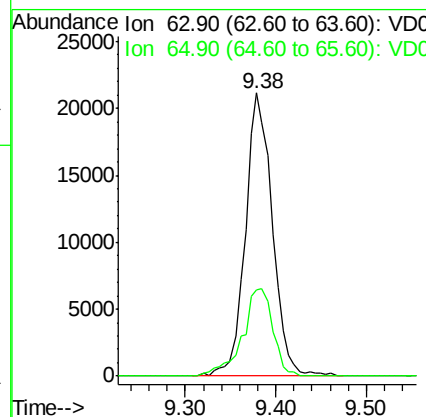
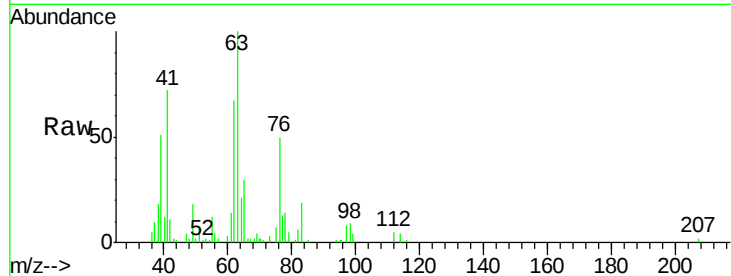
65 30.3 26.5 39.7

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#46

Dibromomethane

Concen: 20.063 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

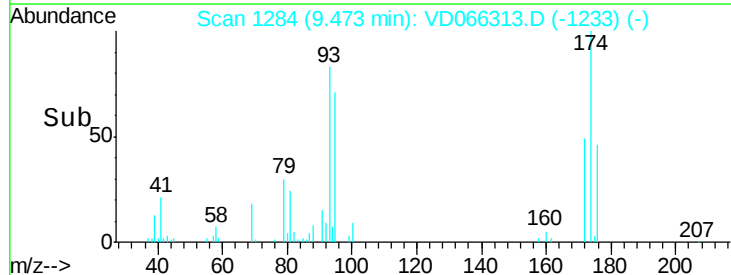
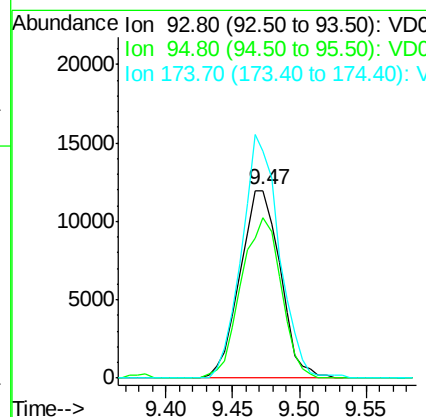
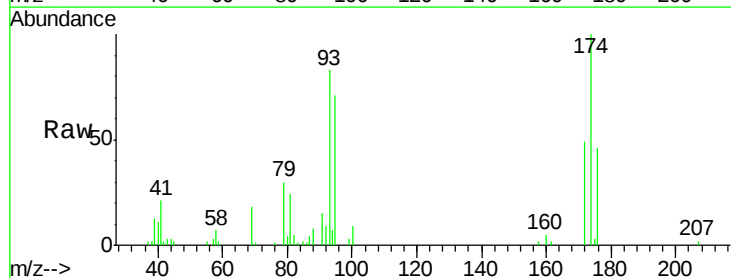
Tgt Ion: 93 Resp: 25015

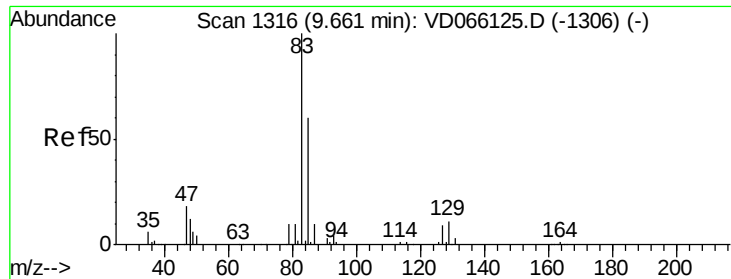
Ion Ratio Lower Upper

93 100

95 84.8 65.8 98.6

174 121.1 92.8 139.2





#47

Bromodichloromethane

Concen: 20.358 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

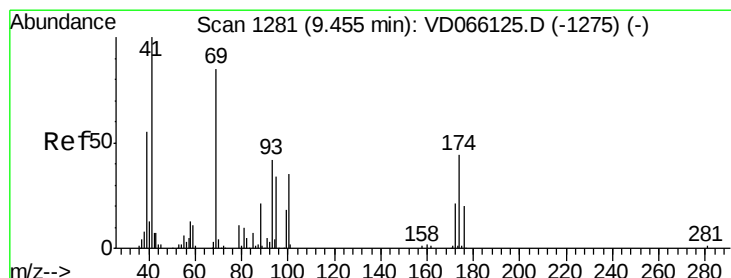
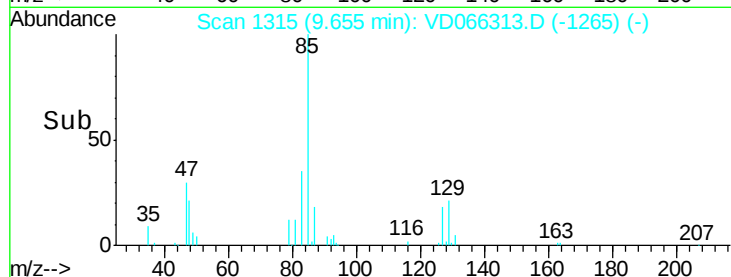
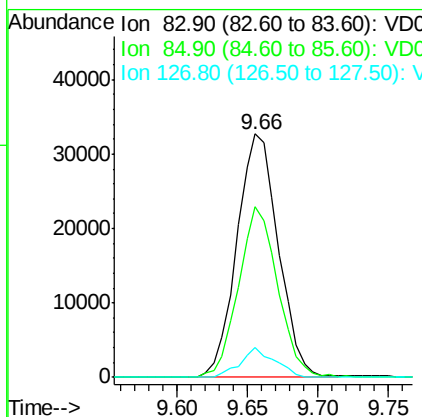
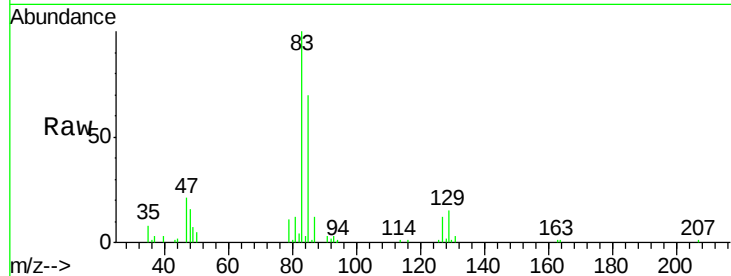
ClientSampleId :

VD0819SBS01

Tot Ion:	83	Resp:	67086
Ion	Ratio	Lower	Upper
83	100		
85	70.1	48.2	72.4
127	12.4	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.144 ug/l

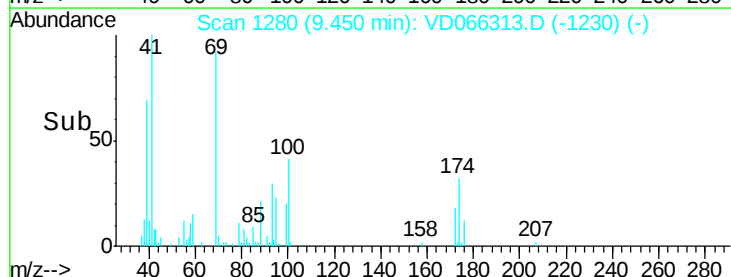
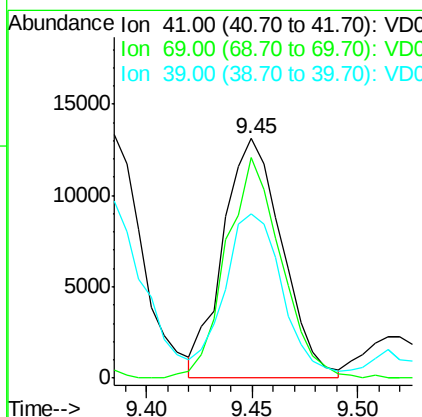
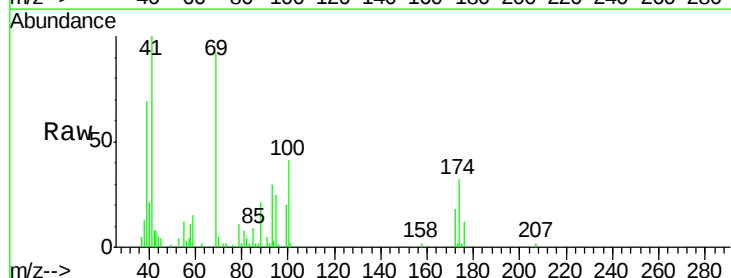
RT: 9.45 min Scan# 1280

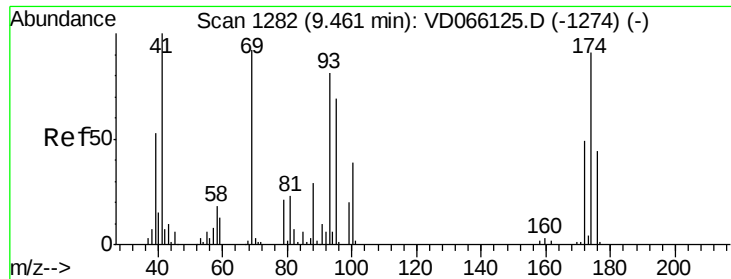
Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion:	41	Resp:	25460
Ion	Ratio	Lower	Upper
41	100		
69	85.7	63.9	95.9
39	61.4	42.6	64.0





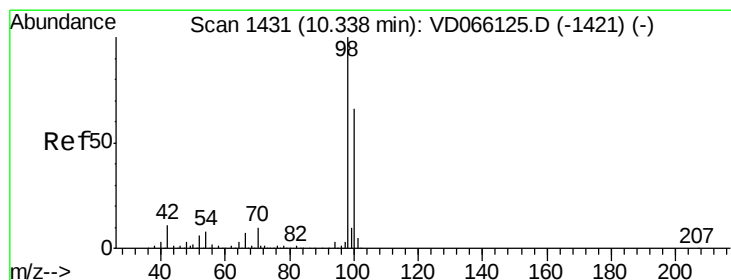
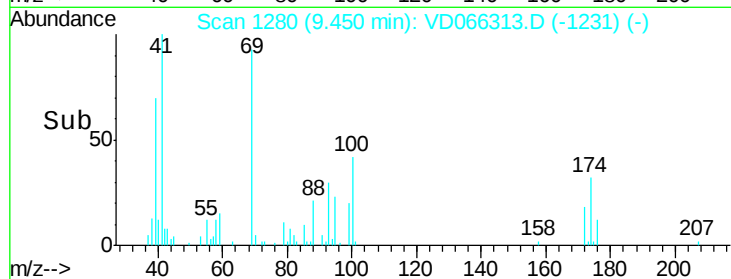
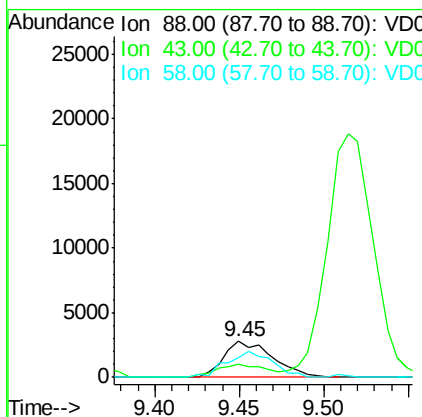
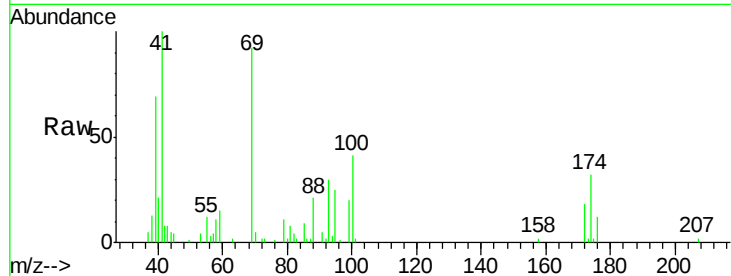
#49
1,4-Dioxane
Concen: 350.713 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.5	41.3
58	68.9	50.2	75.4

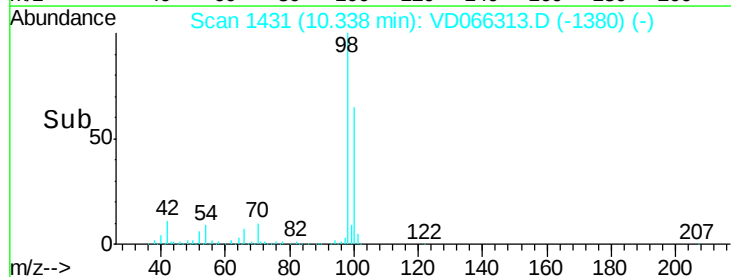
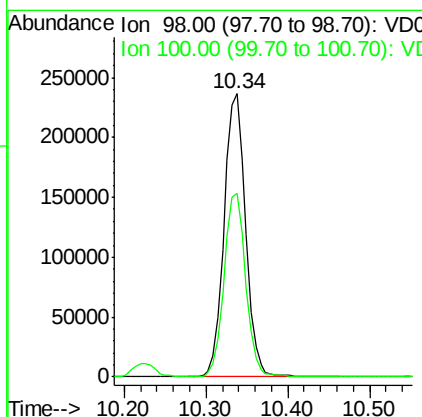
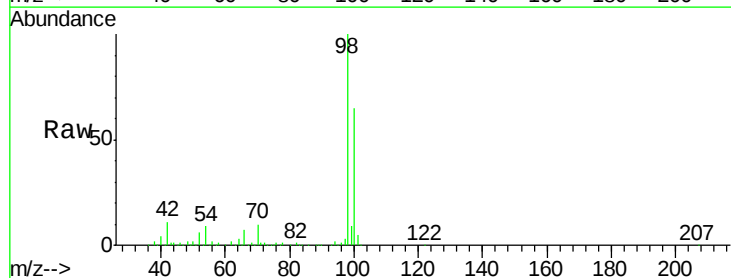
Manual Integrations
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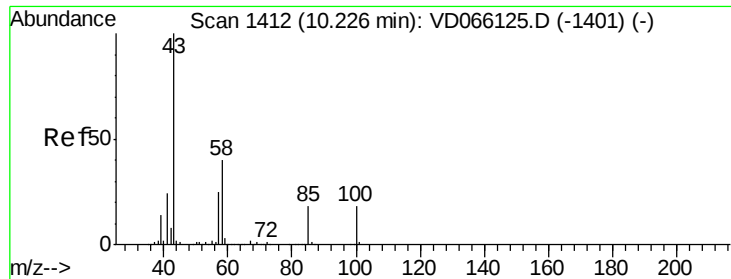
MMDadoda
8/20/2020 3:36:50 PM



#50
Toluene-d8
Concen: 52.282 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 91.193 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 122002

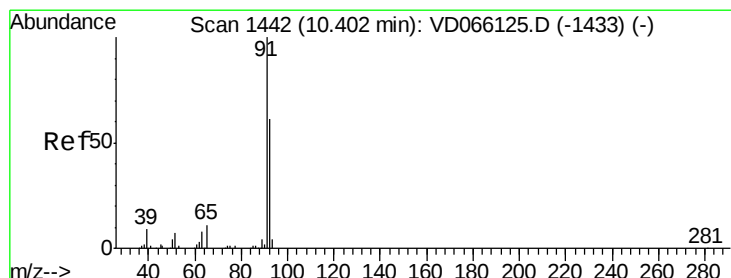
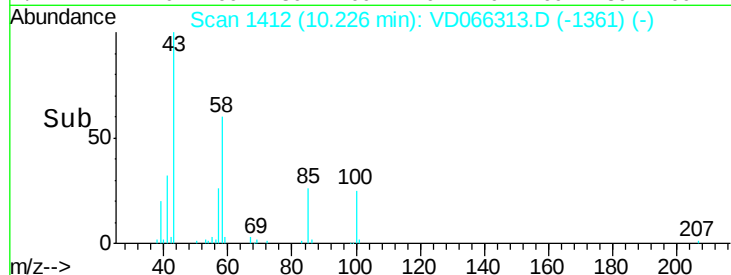
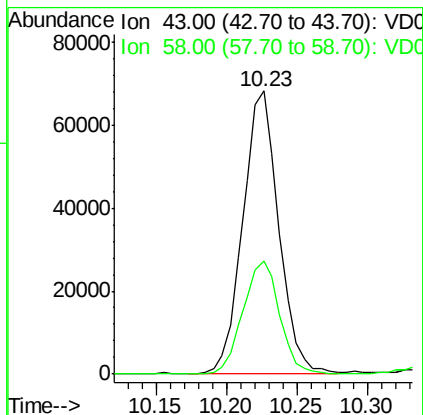
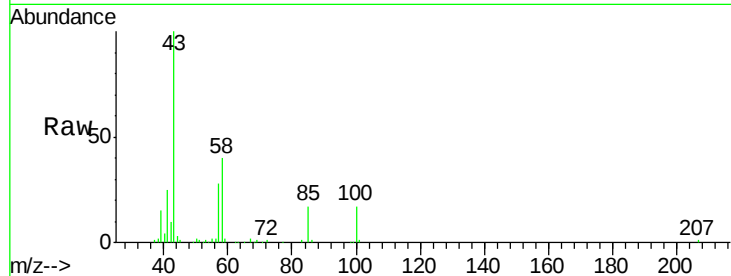
Ion Ratio Lower Upper

43 100

58 40.7 31.1 46.7

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#52

Toluene

Concen: 20.860 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066313.D

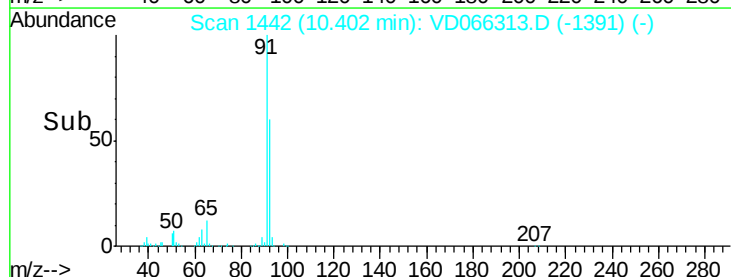
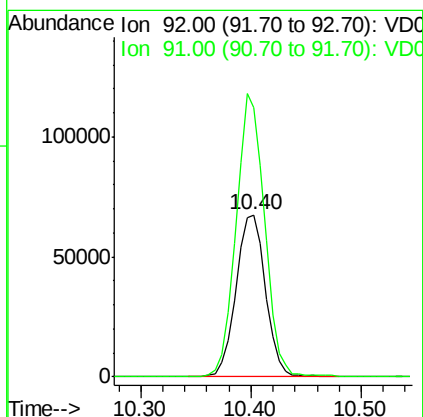
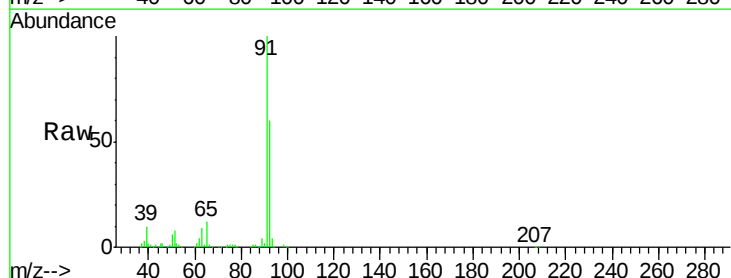
Acq: 19 Aug 2020 12:44

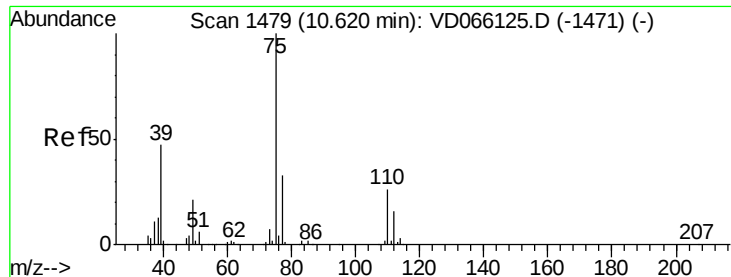
Tgt Ion: 92 Resp: 127038

Ion Ratio Lower Upper

92 100

91 168.7 135.2 202.8





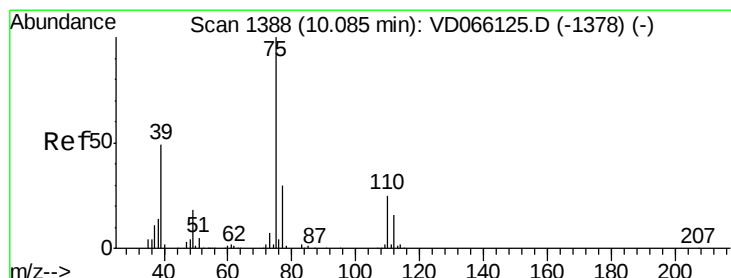
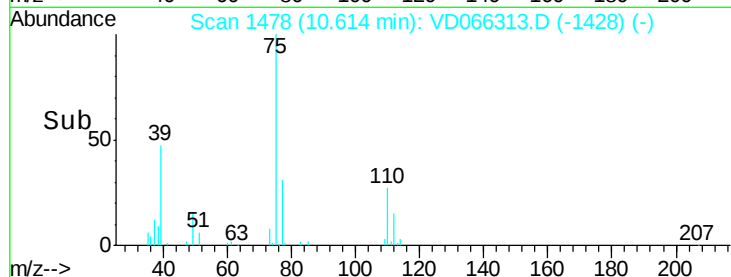
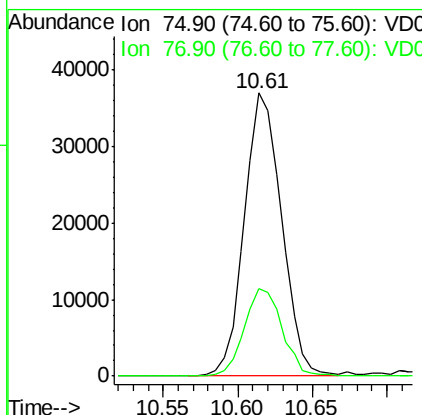
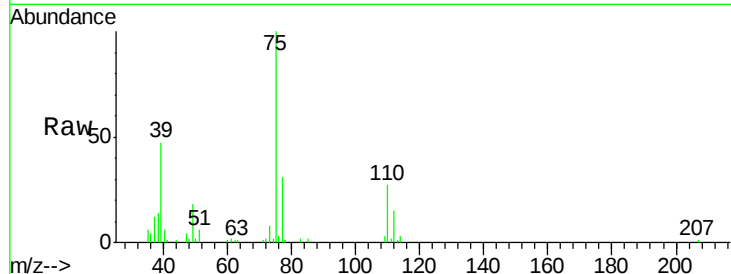
#53
t-1,3-Dichloropropene
Concen: 20.459 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 75 Resp: 63983
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2

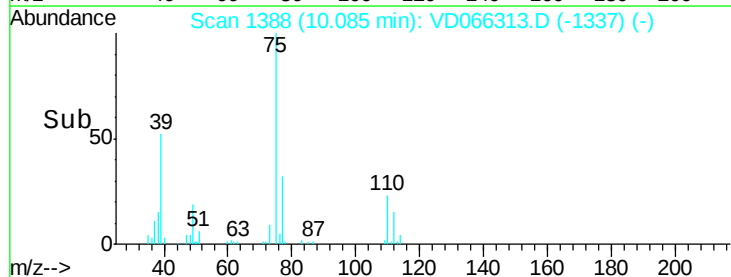
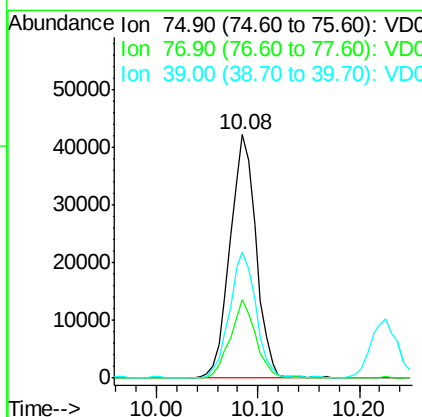
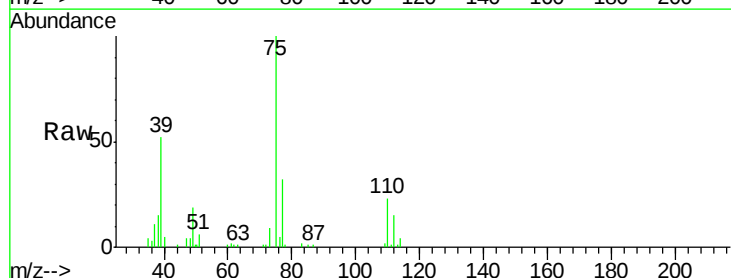
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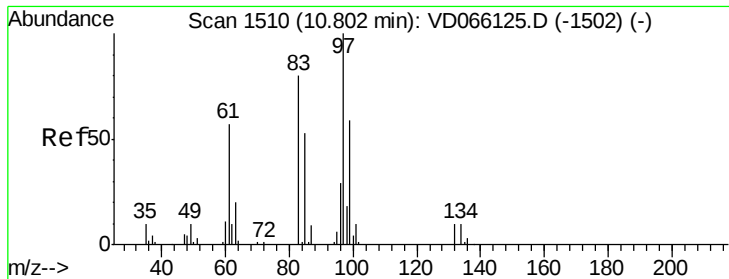
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.587 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion: 75 Resp: 75434
Ion Ratio Lower Upper
75 100
77 32.2 24.3 36.5
39 51.8 39.3 58.9





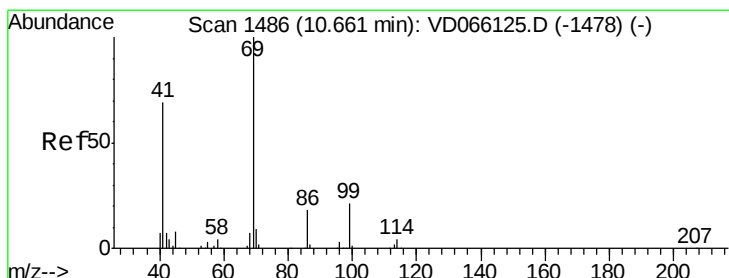
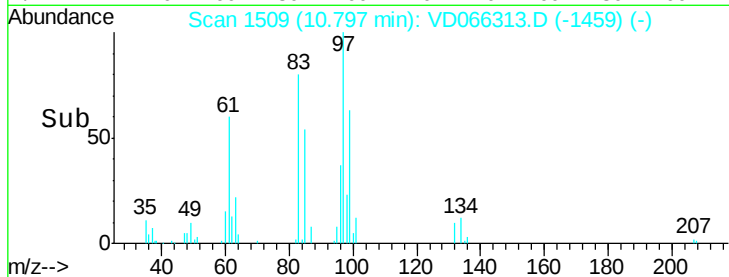
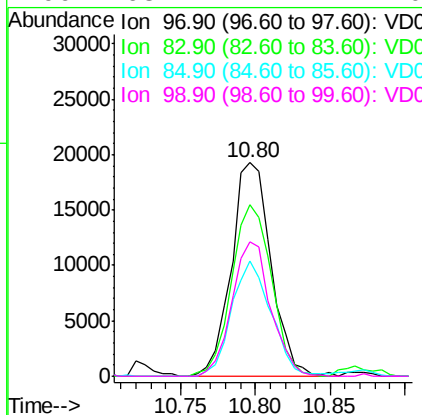
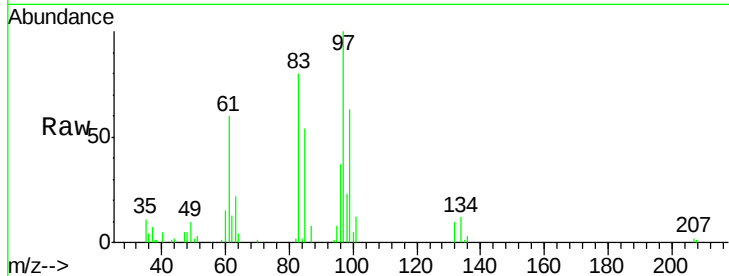
#55
 1,1,2-Trichloroethane
 Concen: 19.914 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	97	Resp:	35753
Ion	Ratio	Lower	Upper
97	100		
83	80.3	63.9	95.9
85	53.7	42.5	63.7
99	63.1	47.4	71.0

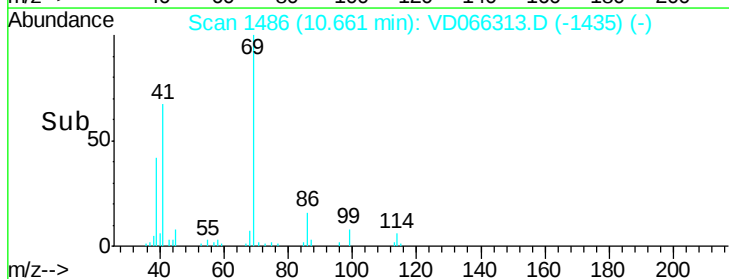
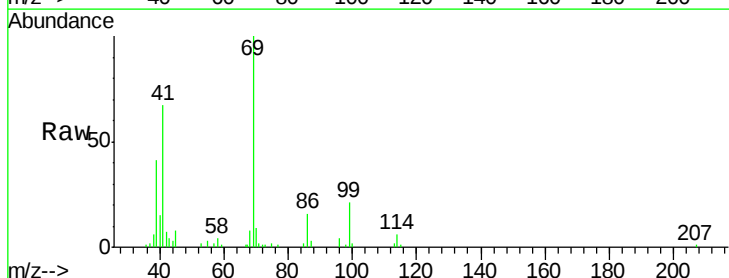
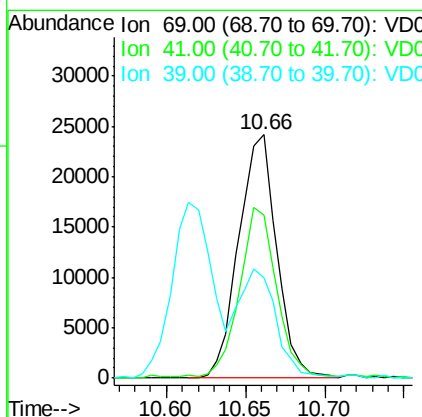
Manual Integrations
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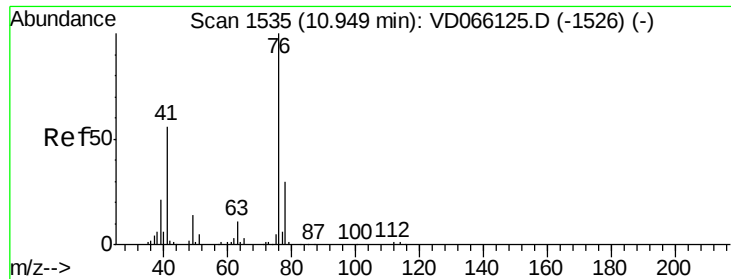
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 18.675 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	69	Resp:	40278
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.1	81.1
39	43.5	28.6	43.0#





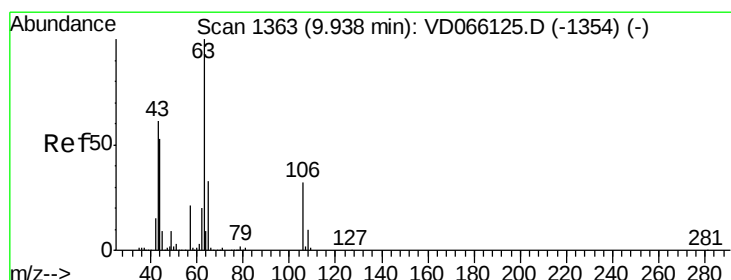
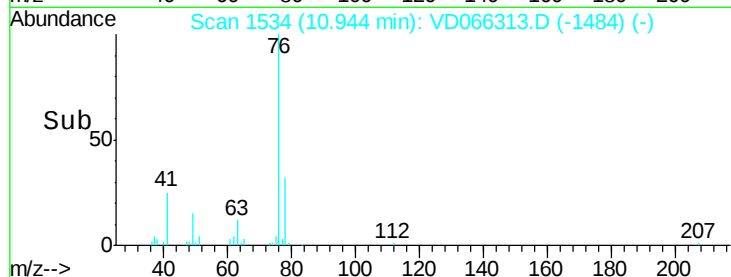
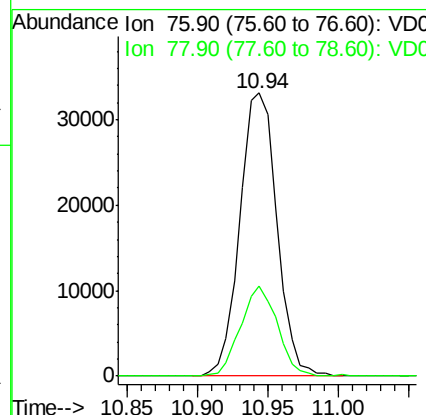
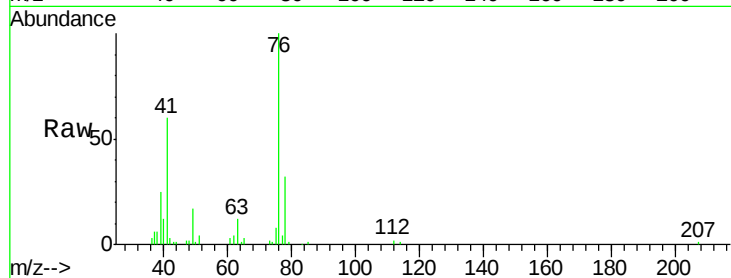
#57
 1,3-Dichloropropane
 Concen: 20.390 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 76 Resp: 60775
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

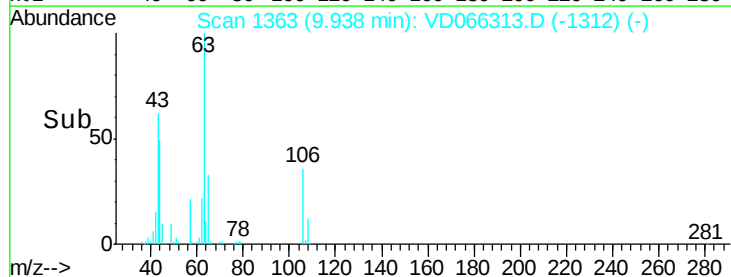
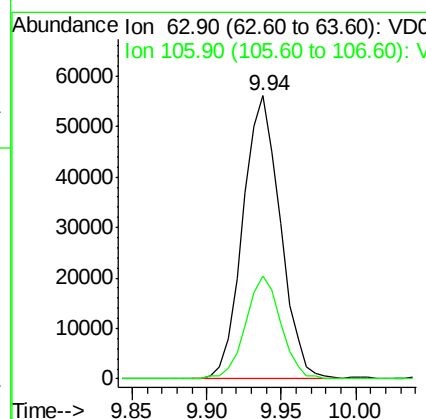
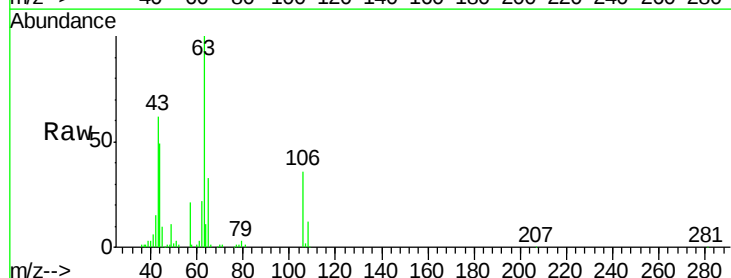
Manual Integrations
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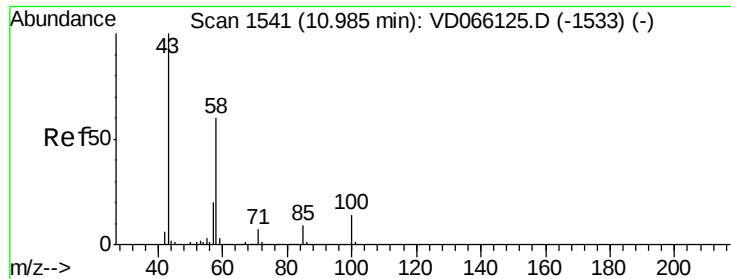
MMDadoda
 8/20/2020 3:36:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.564 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion: 63 Resp: 97562
 Ion Ratio Lower Upper
 63 100
 106 34.2 25.3 37.9





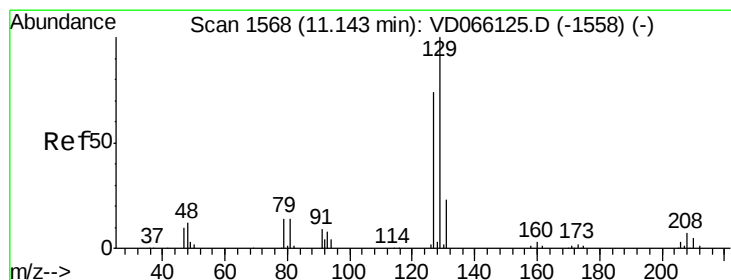
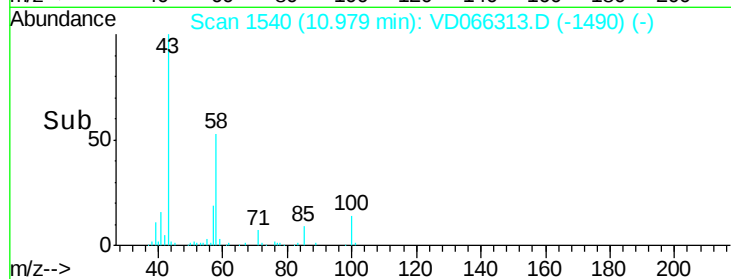
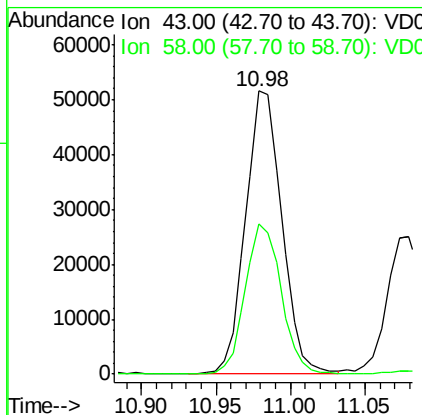
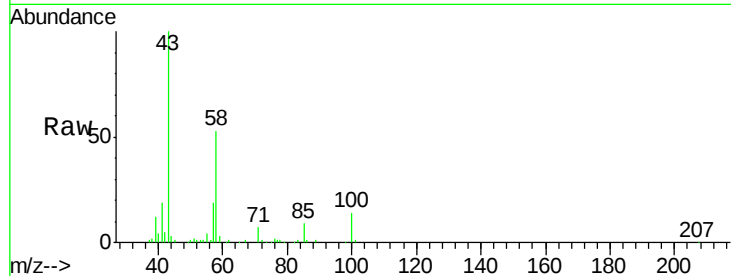
#59
2-Hexanone
Concen: 92.663 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 43 Resp: 87003
Ion Ratio Lower Upper
43 100
58 52.7 27.8 83.4

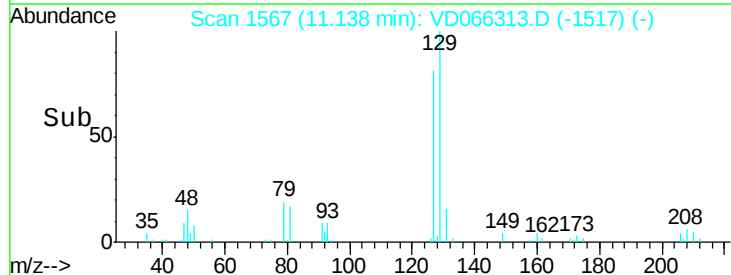
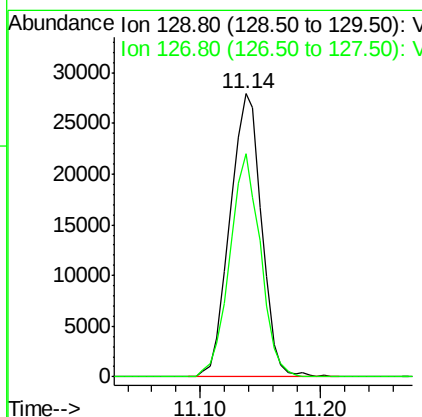
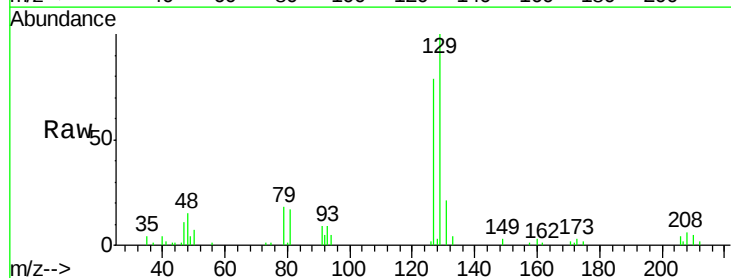
Manual Integrations
APPROVED

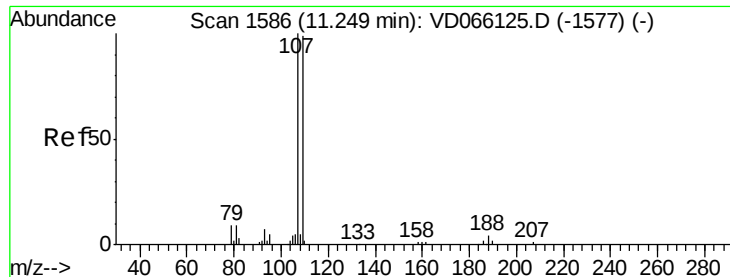
MMDadoda
8/20/2020 3:36:50 PM



#60
Dibromochloromethane
Concen: 20.578 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion: 129 Resp: 51006
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.491 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:107 Resp: 35380

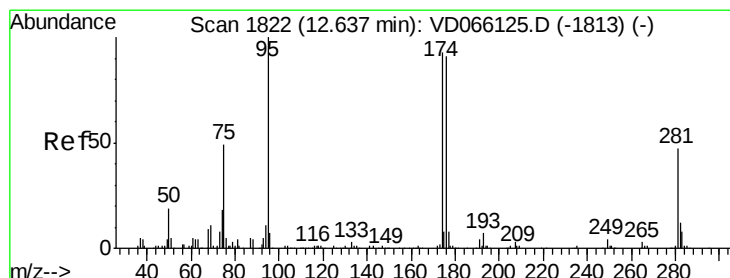
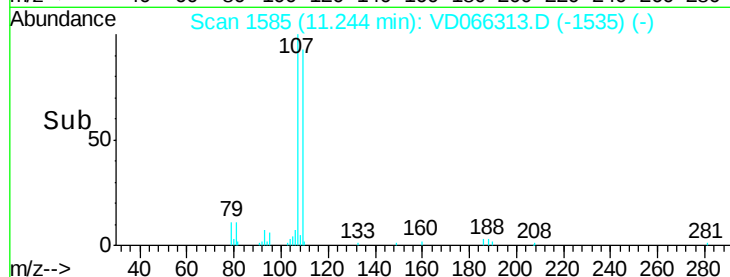
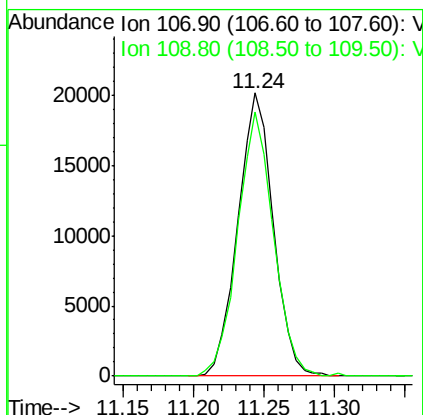
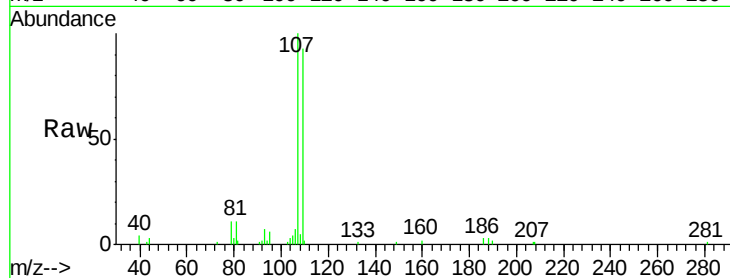
Ion Ratio Lower Upper

107 100

109 94.2 76.5 114.7

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 51.565 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

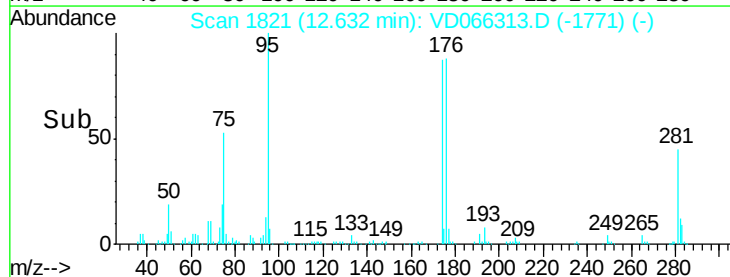
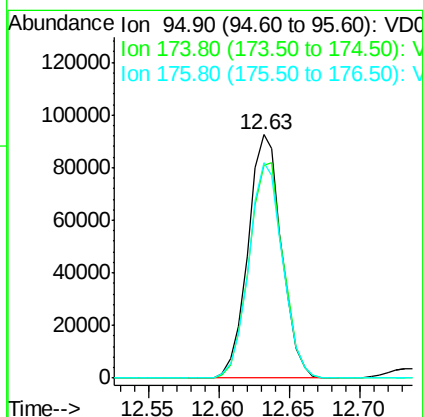
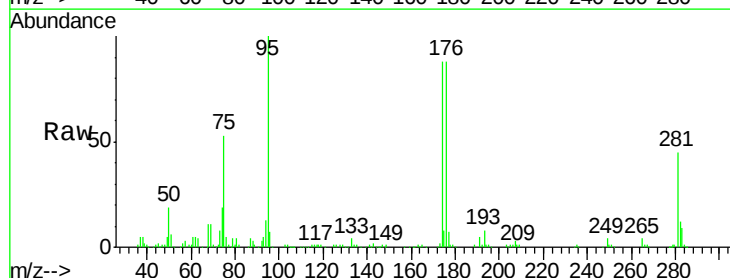
Tgt Ion: 95 Resp: 154274

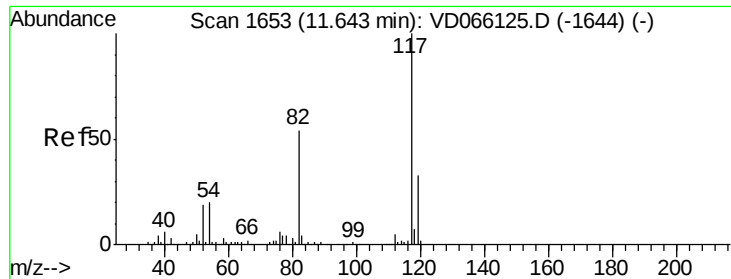
Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.8

176 89.3 0.0 181.2





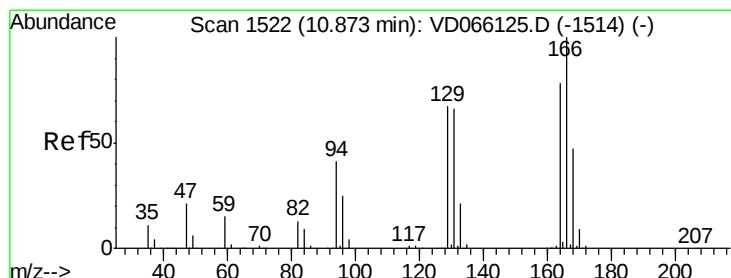
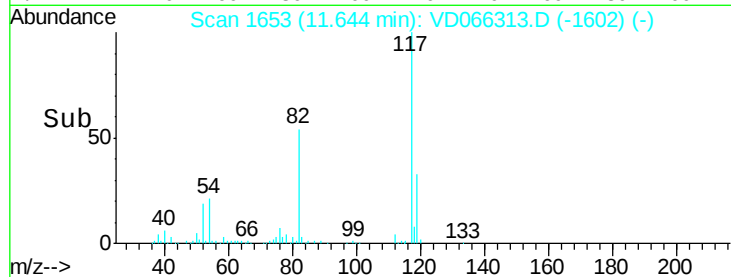
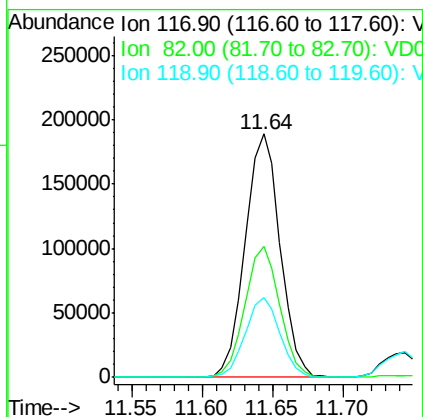
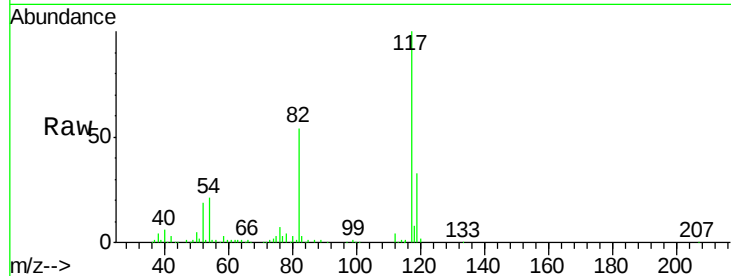
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	328233		
82	53.9		43.0	64.4
119	32.7		26.1	39.1

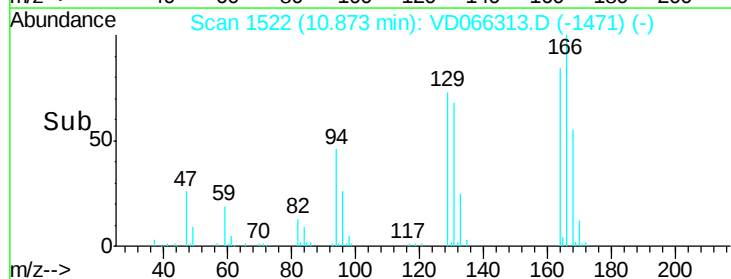
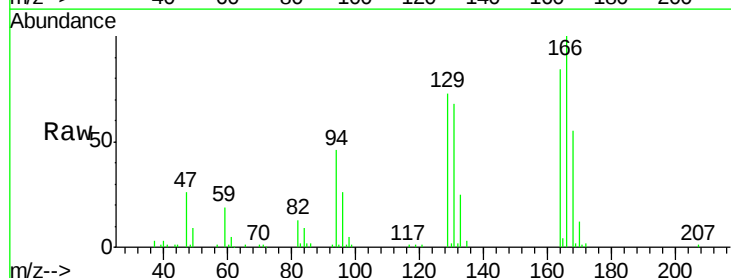
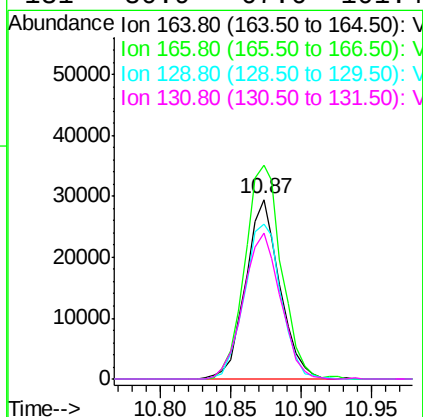
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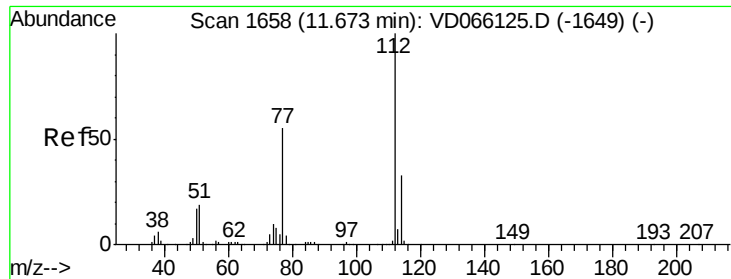
MMDadoda
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#64
Tetrachloroethene
Concen: 19.921 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50211		
166	118.8		101.9	152.9
129	86.3		68.1	102.1
131	80.9		67.6	101.4





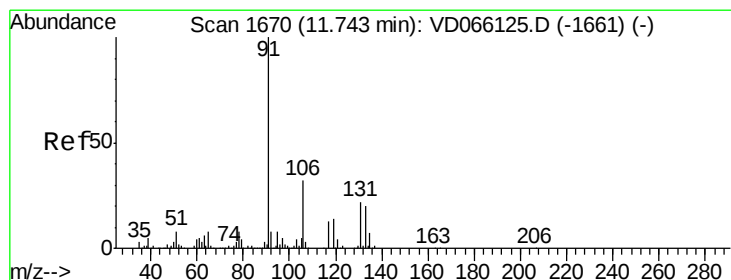
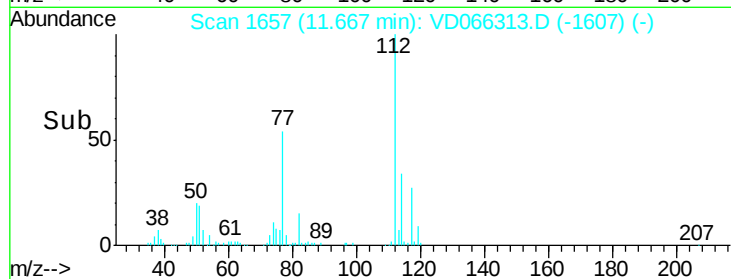
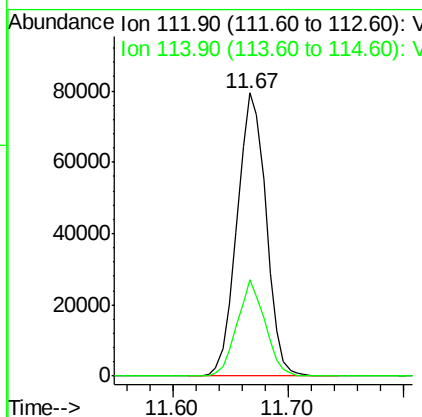
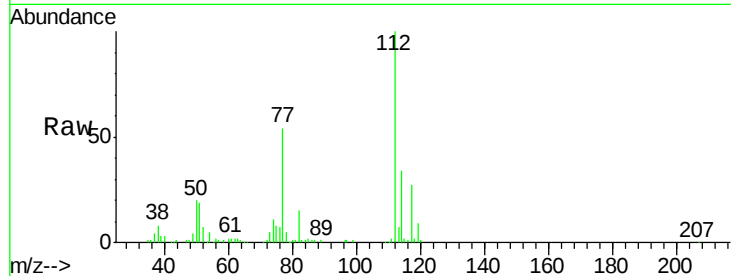
#65
Chlorobenzene
Concen: 20.805 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100			
114	34.1	26.1	39.1	

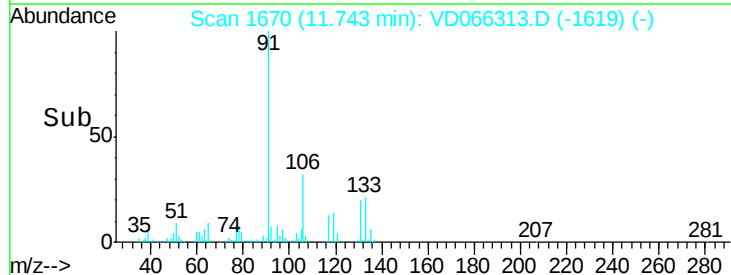
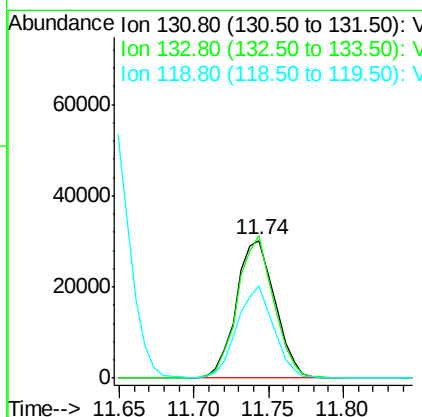
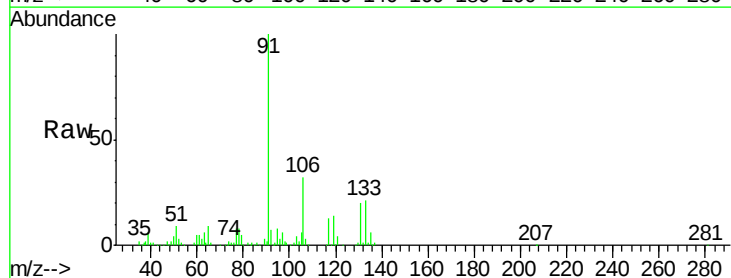
Manual Integrations
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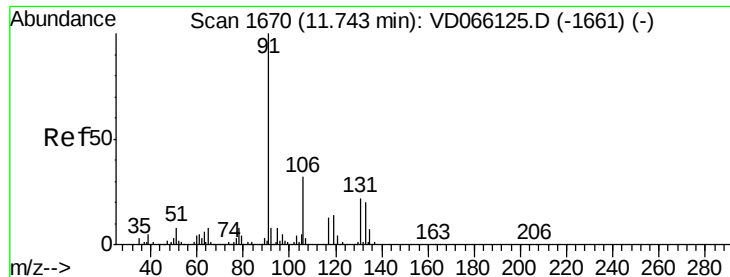
MMDadoda
8/20/2020 3:36:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.968 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100			
133	96.6	47.1	141.4	
119	63.3	31.6	94.7	





#67

Ethyl Benzene

Concen: 21.023 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 91 Resp: 242752

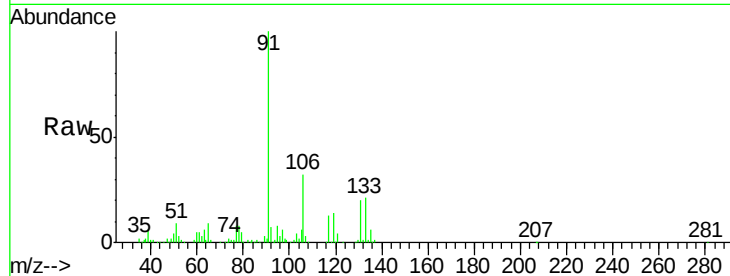
Ion Ratio Lower Upper

91 100

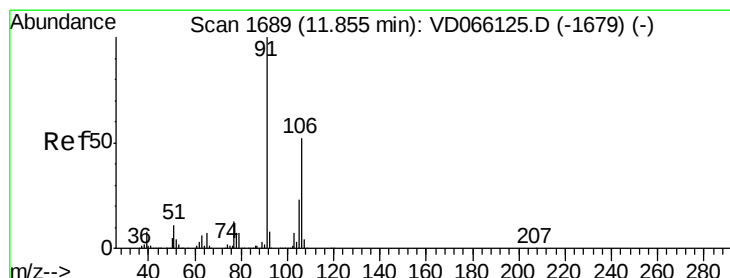
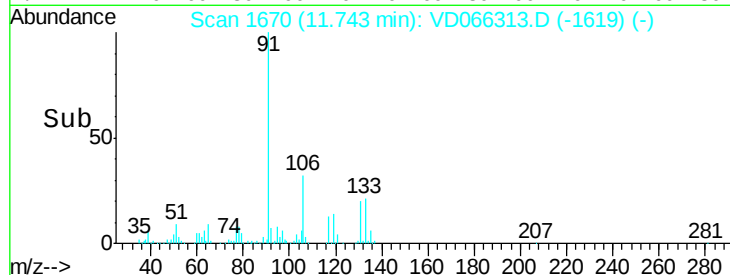
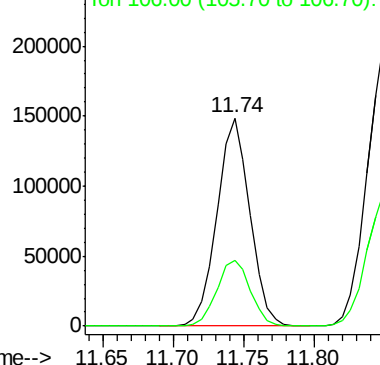
106 31.7 25.7 38.5

Manual Integrations
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8/20/2020 3:36:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066313.D (-1619) (-)



#68

m/p-Xylenes

Concen: 41.792 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066313.D

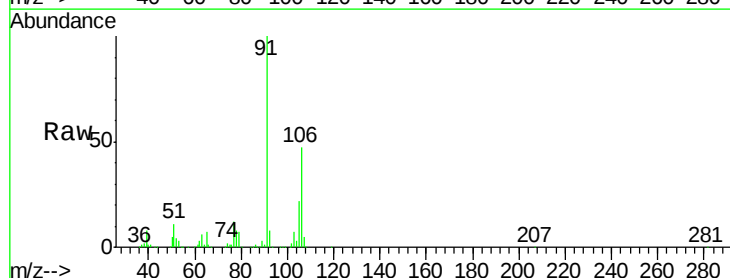
Acq: 19 Aug 2020 12:44

Tgt Ion: 106 Resp: 186963

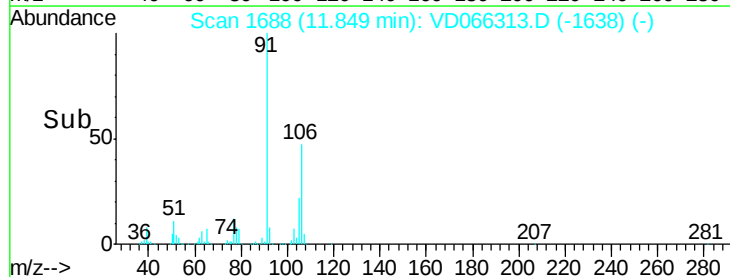
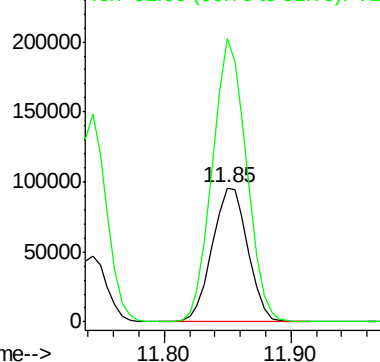
Ion Ratio Lower Upper

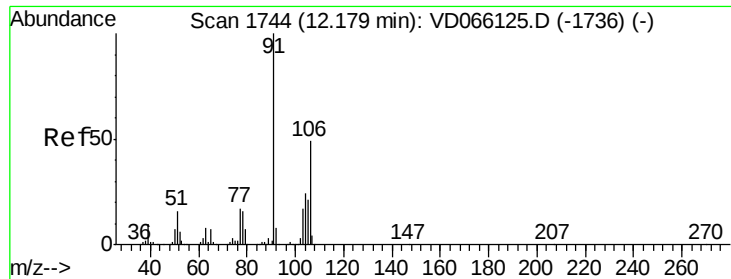
106 100

91 202.3 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VD066313.D (-1638) (-)





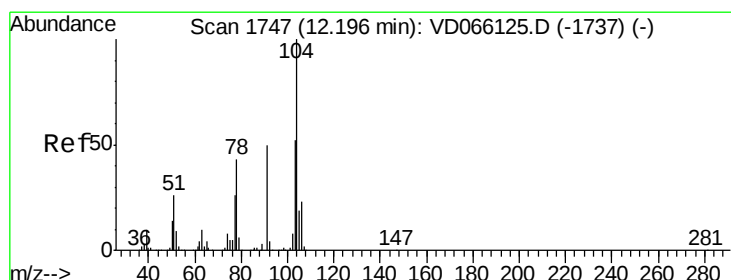
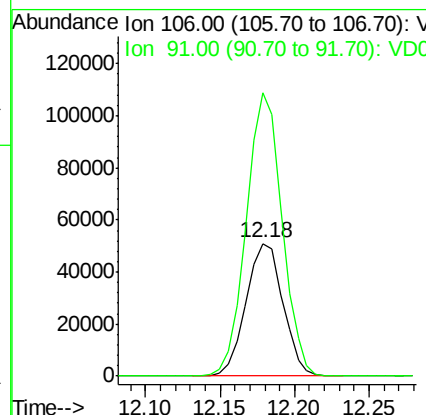
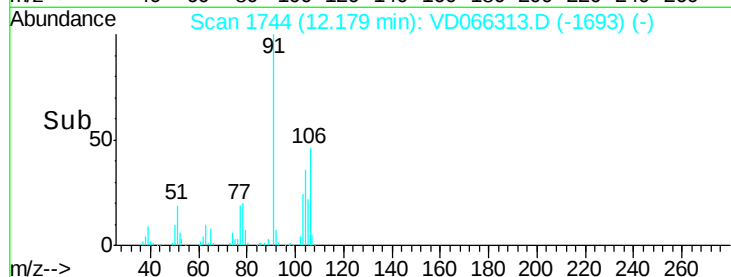
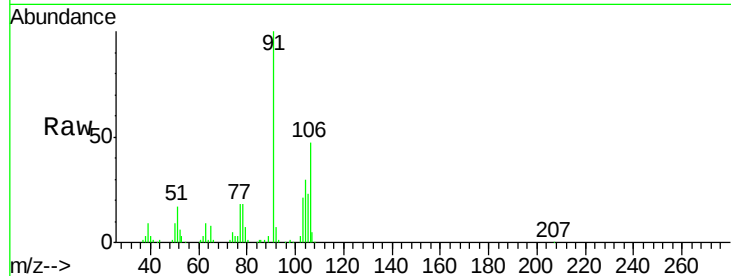
#69
o-Xylene
Concen: 21.408 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:106 Resp: 87122
Ion Ratio Lower Upper
106 100
91 206.6 105.7 317.1

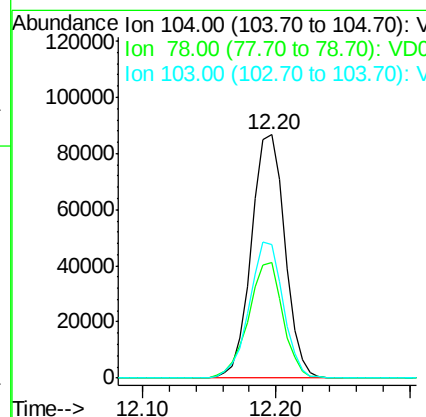
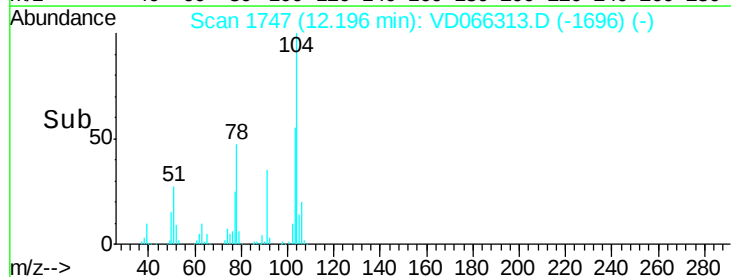
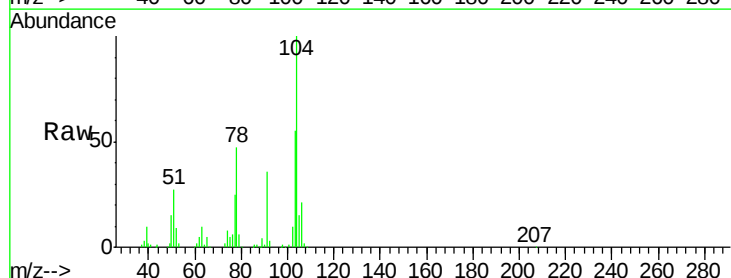
Manual Integrations
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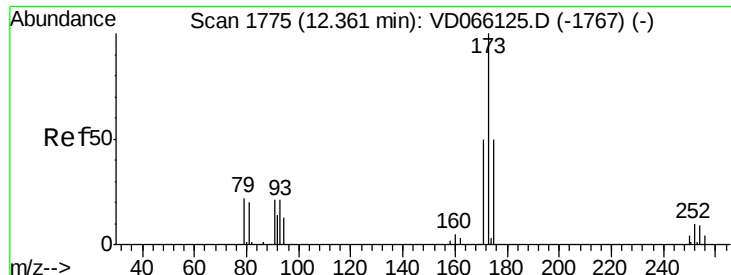
MMDadoda
8/20/2020 3:36:50 PM



#70
Styrene
Concen: 21.033 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion:104 Resp: 150010
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 56.9 44.1 66.1





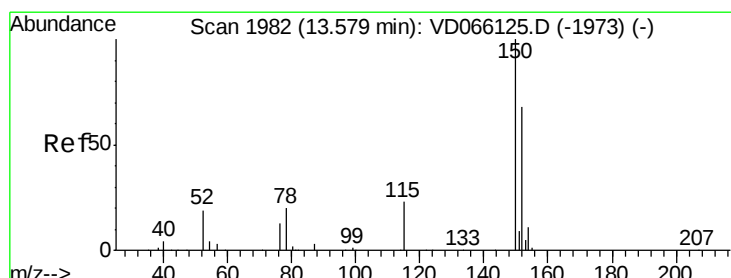
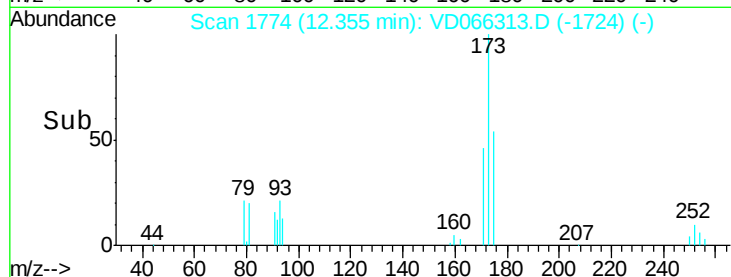
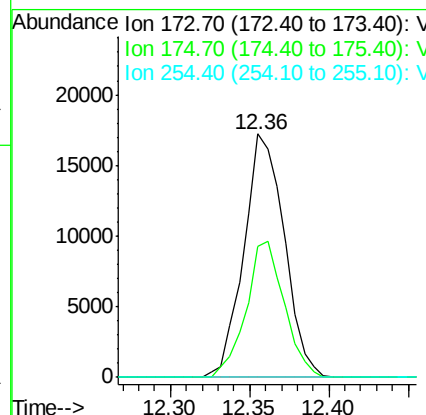
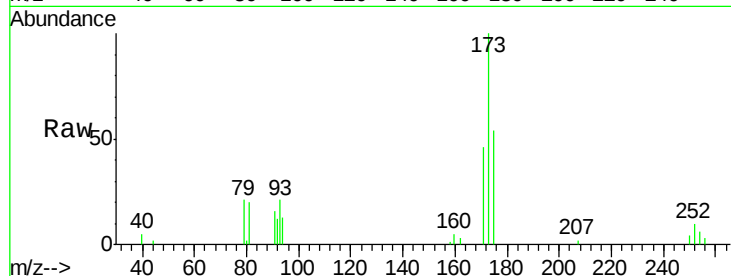
#71
Bromoform
Concen: 19.774 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.8	24.6	73.6
254	0.0	0.2	0.2

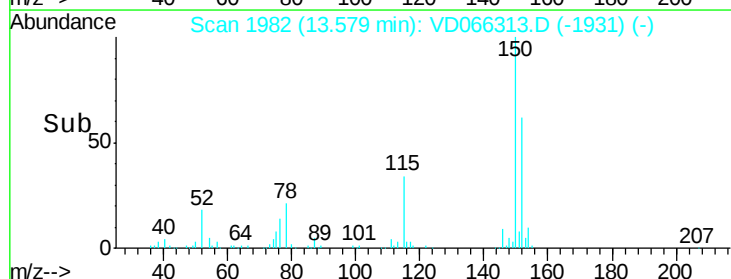
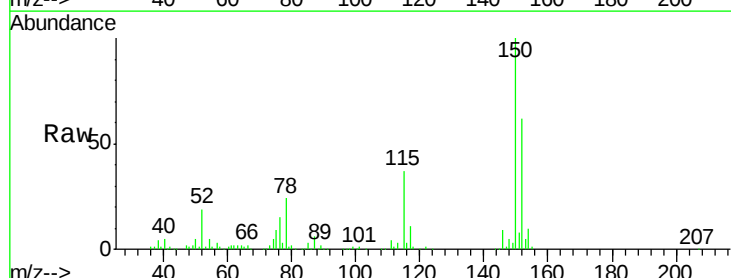
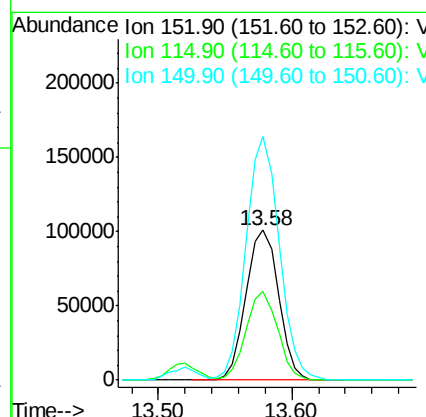
Manual Integrations
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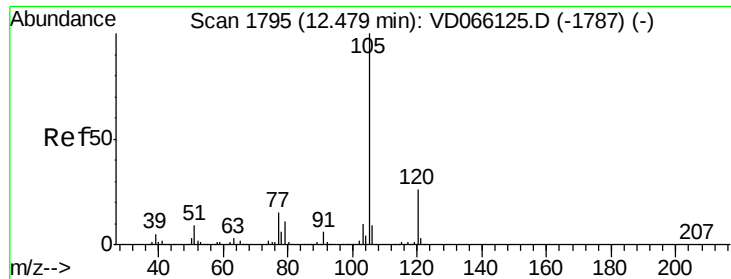
MMDadoda
8/20/2020 3:36:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.0	83.9
150	165.4	0.0	346.4





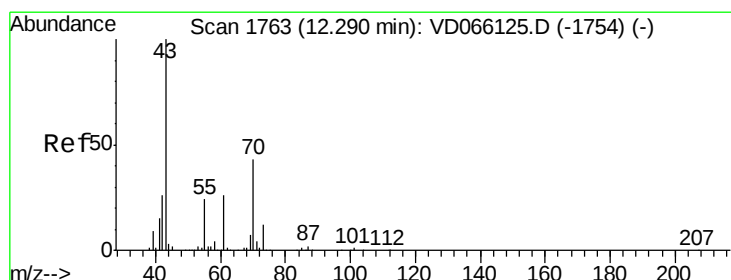
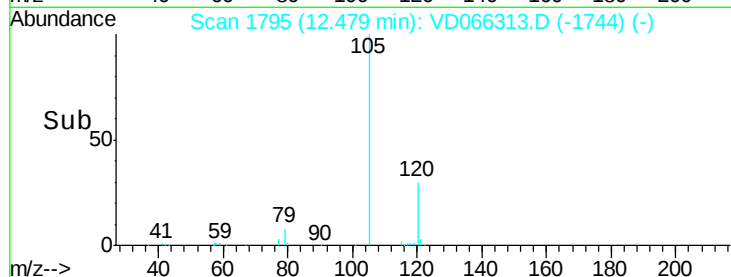
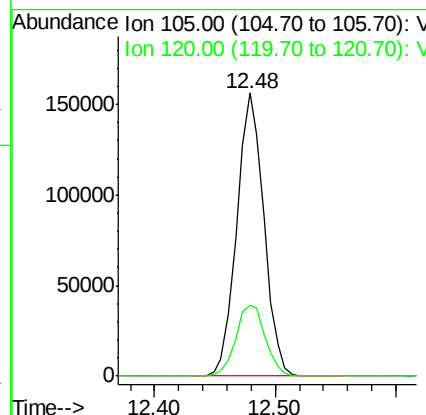
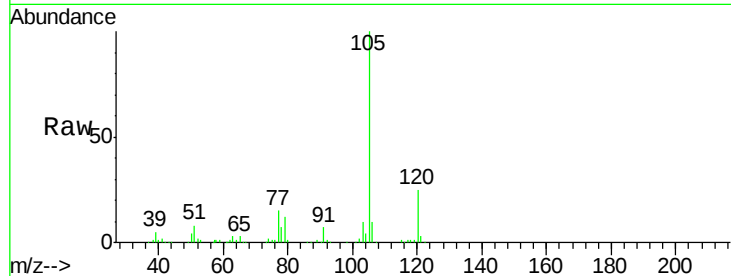
#73
Isopropylbenzene
Concen: 21.438 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	244265		
120	27.2	13.3	39.9	

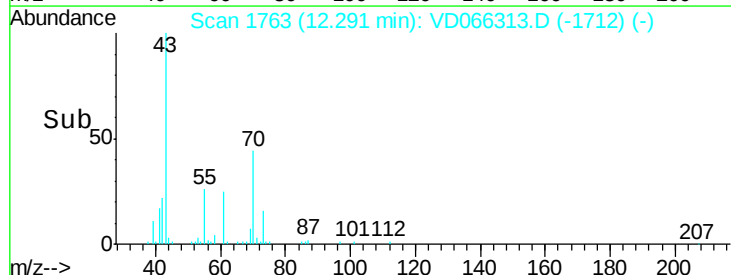
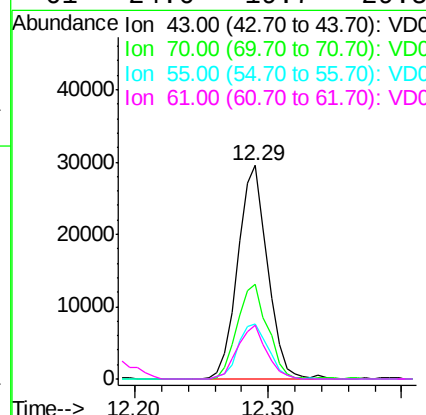
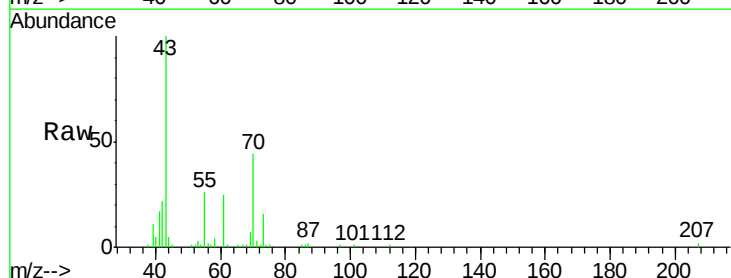
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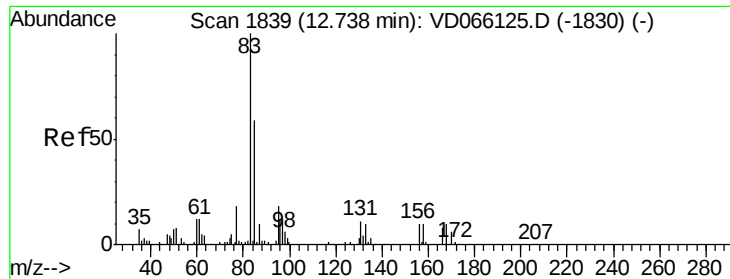
MMDadoda
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#74
N-ethyl acetate
Concen: 18.244 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	45775		
70	45.1	34.9	52.3	
55	26.1	19.2	28.8	
61	24.6	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.007 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 83 Resp: 36928

Ion Ratio Lower Upper

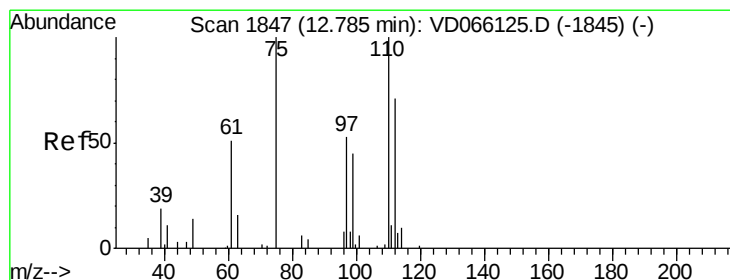
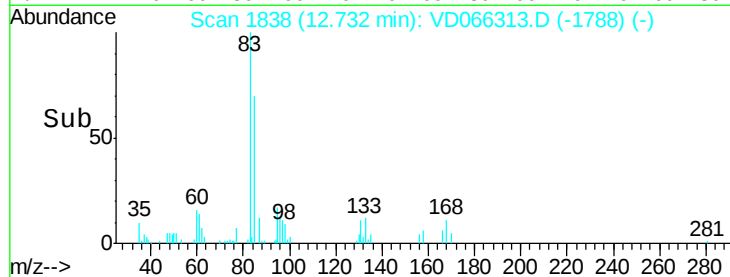
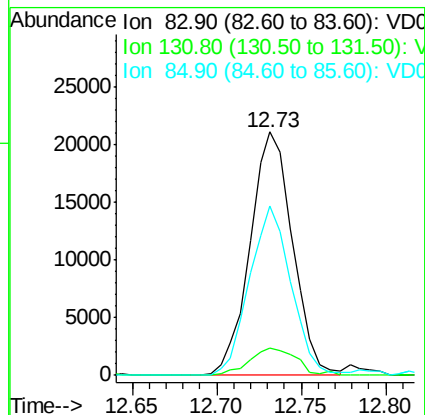
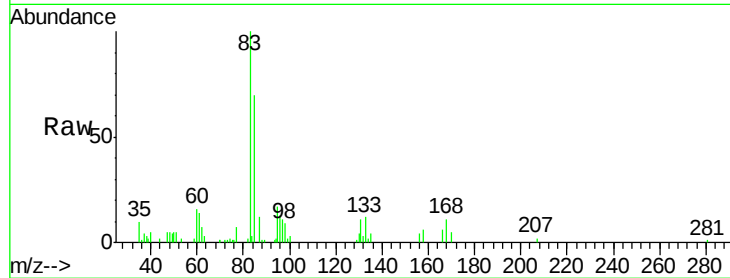
83 100

131 12.6 6.2 18.6

85 68.0 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 21.128 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066313.D

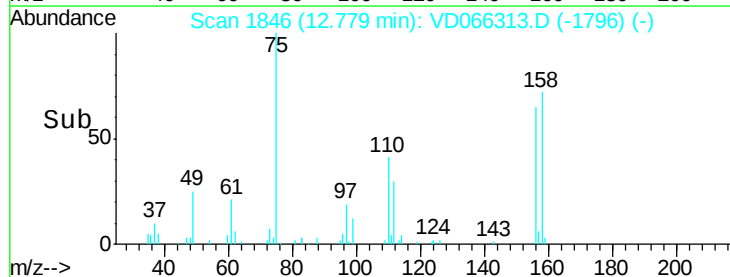
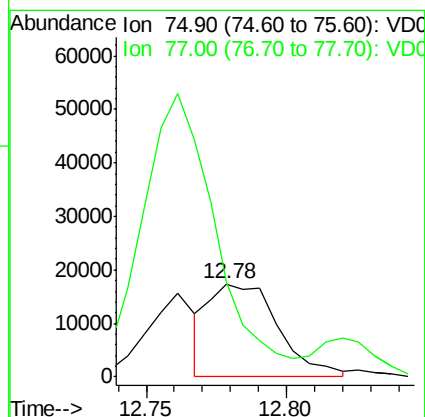
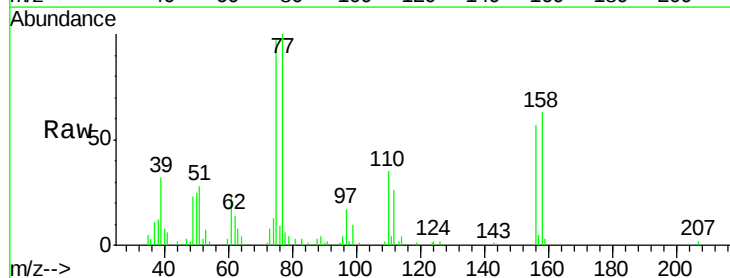
Acq: 19 Aug 2020 12:44

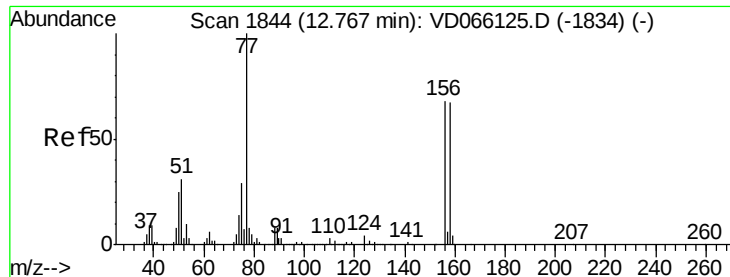
Tgt Ion: 75 Resp: 30075

Ion Ratio Lower Upper

75 100

77 322.6 0.0 0.0#





#77

Bromobenzene

Concen: 21.062 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

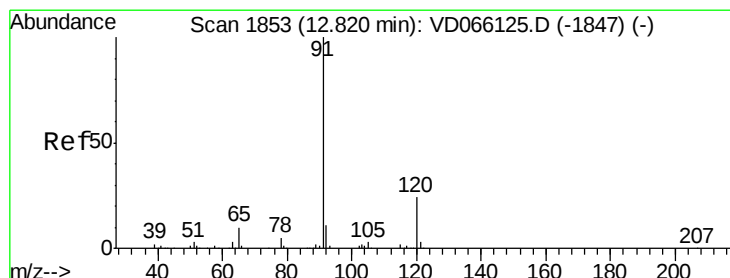
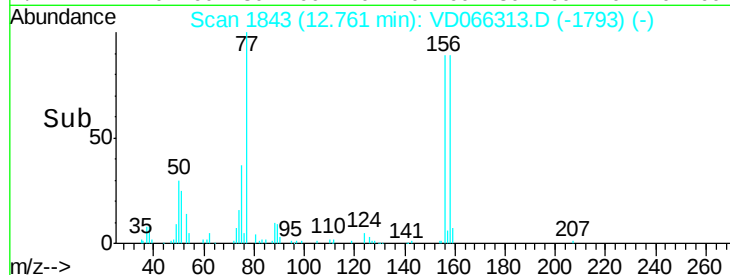
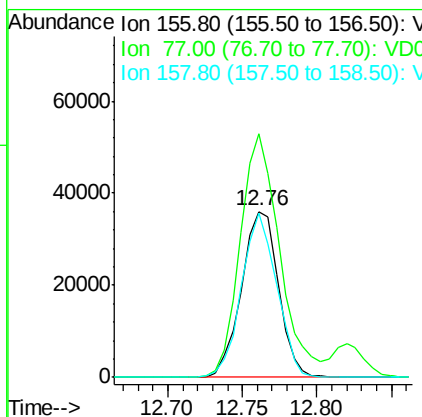
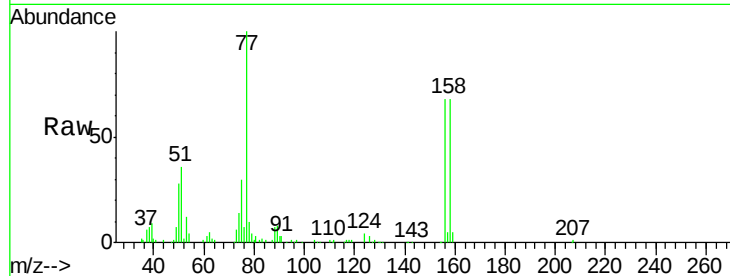
ClientSampleId :

VD0819SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.0	81.0	243.1
158	94.0	48.8	146.3

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#78

n-propylbenzene

Concen: 21.088 ug/l

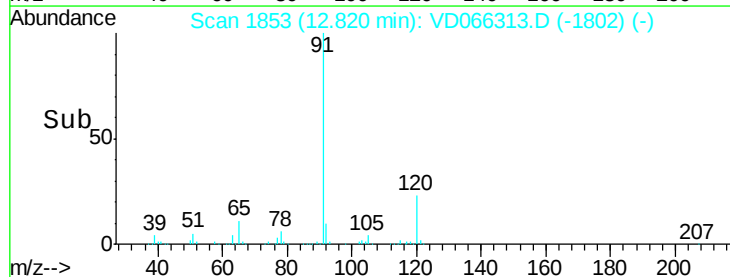
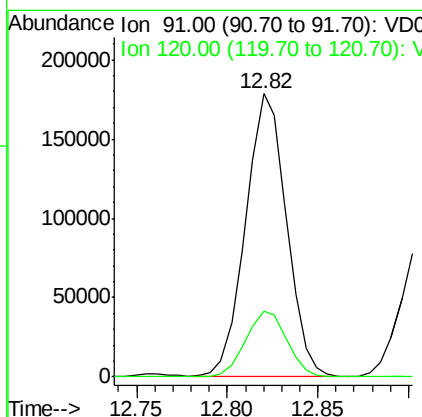
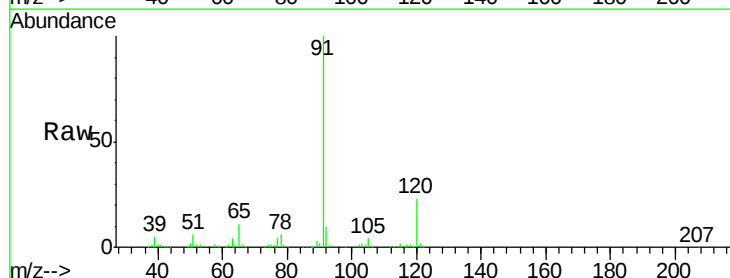
RT: 12.82 min Scan# 1853

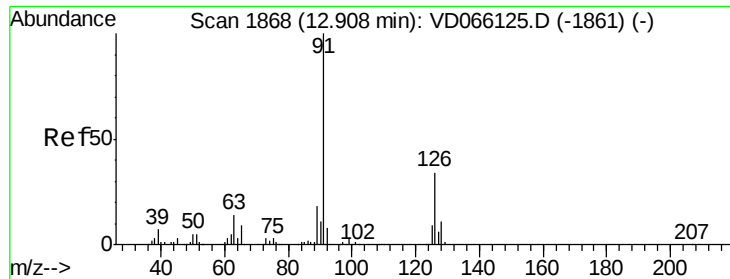
Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	12.0	36.0





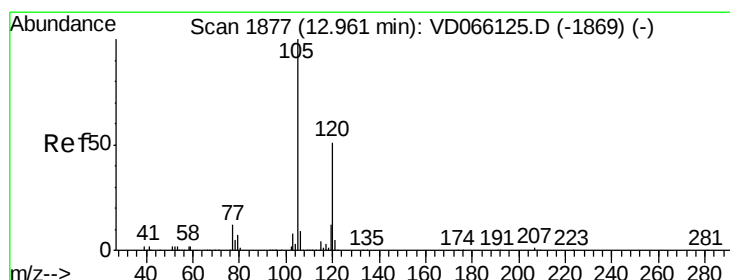
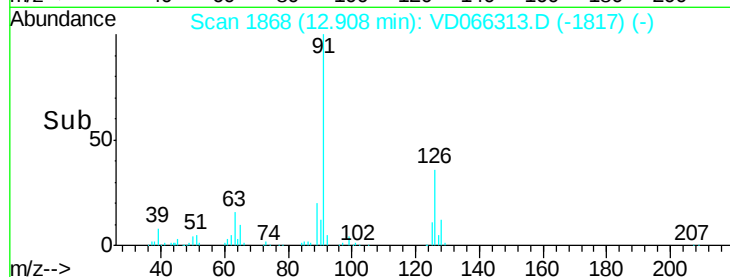
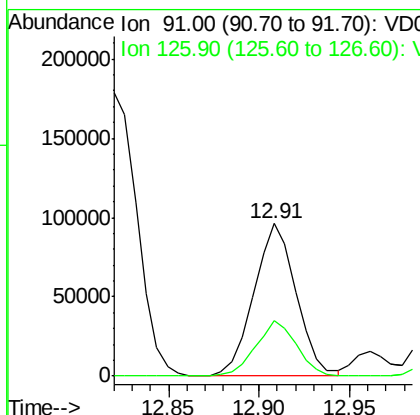
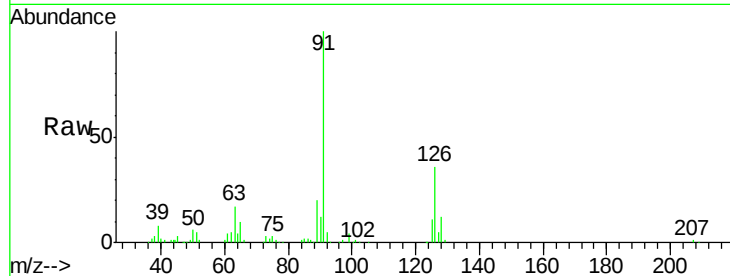
#79
 2-Chlorotoluene
 Concen: 20.594 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 91 Resp: 156002
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6

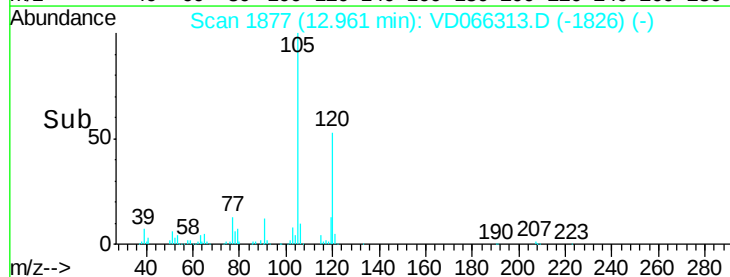
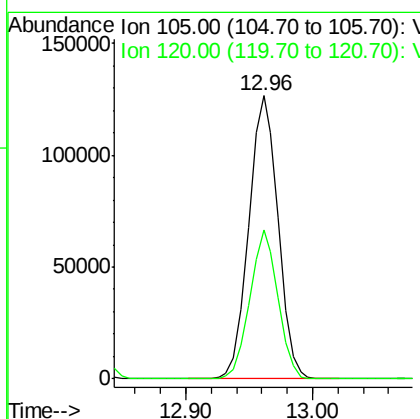
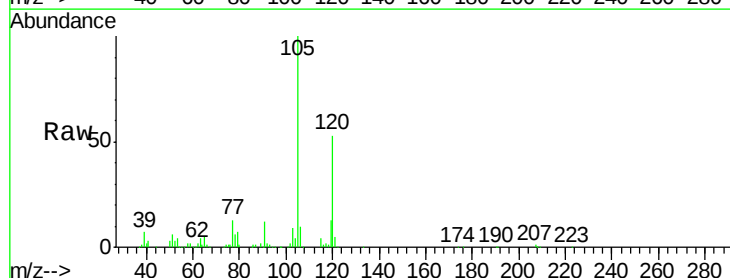
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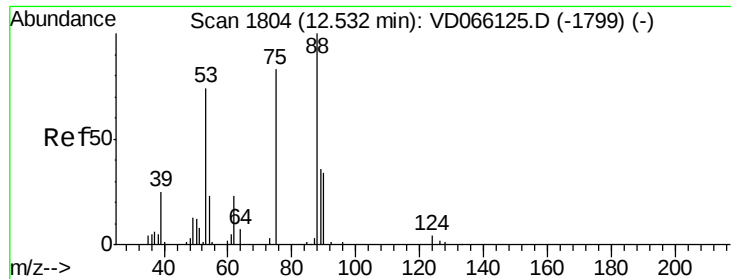
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.325 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion: 105 Resp: 203209
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.331 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 75 Resp: 12448

Ion Ratio Lower Upper

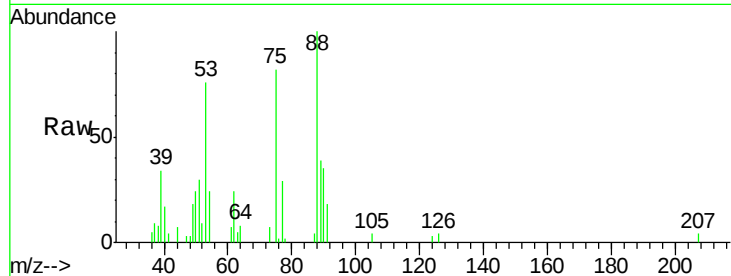
75 100

53 106.0 73.4 110.2

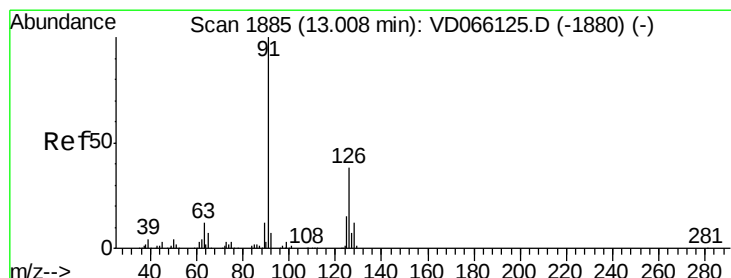
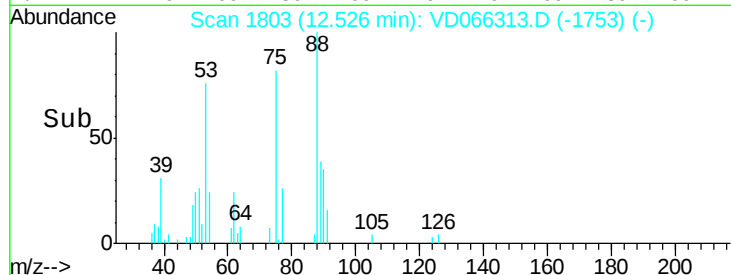
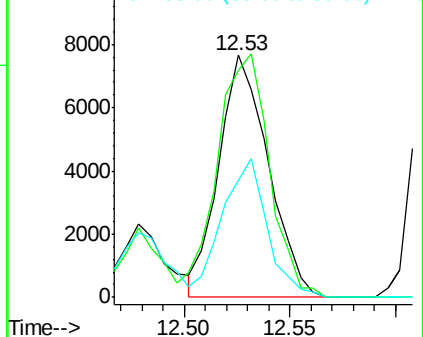
89 52.0 36.6 55.0

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.807 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066313.D

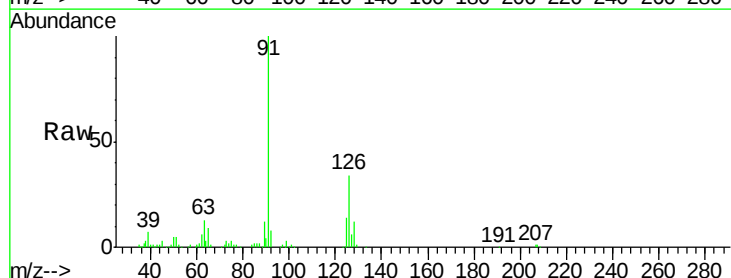
Acq: 19 Aug 2020 12:44

Tgt Ion: 91 Resp: 166385

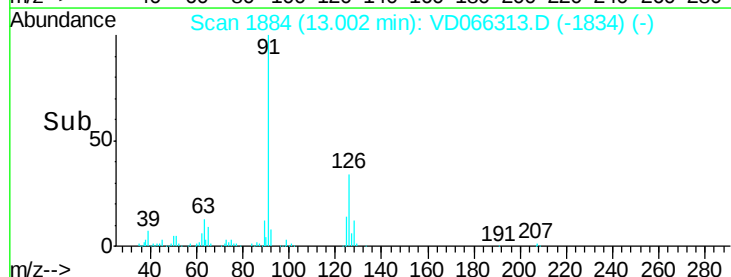
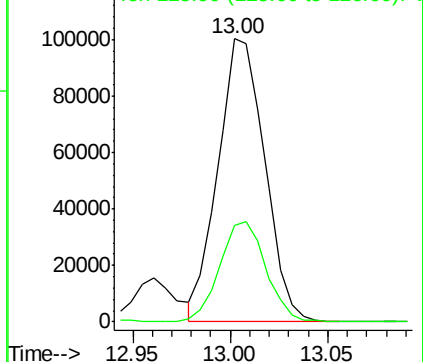
Ion Ratio Lower Upper

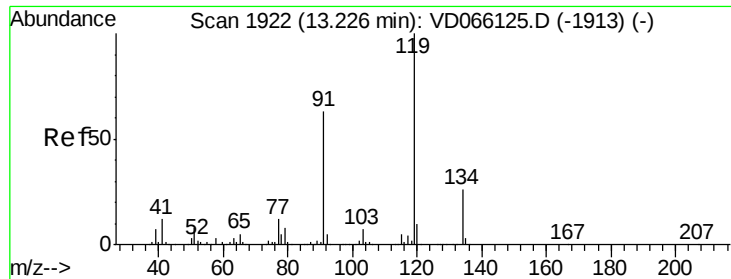
91 100

126 35.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





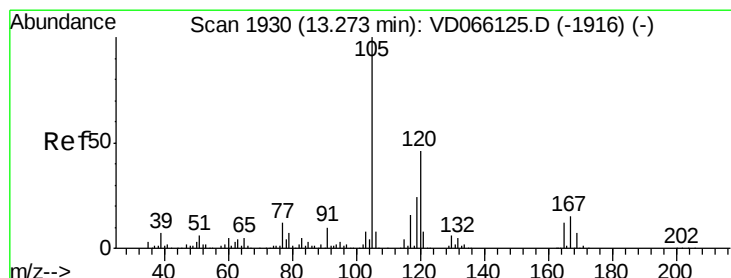
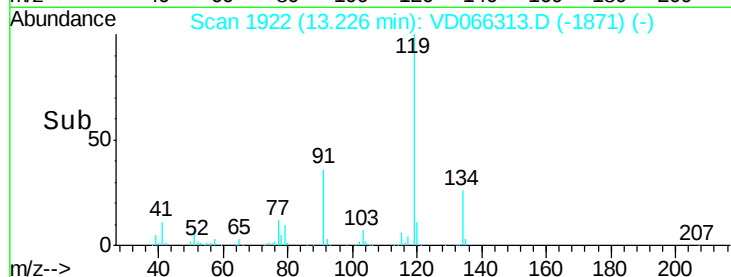
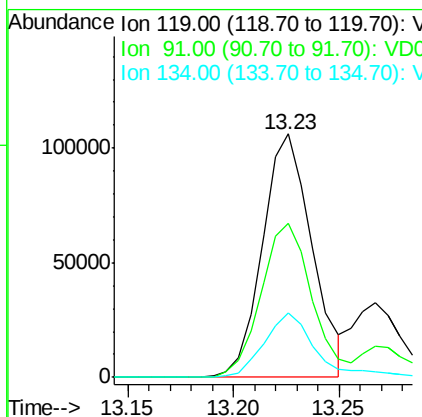
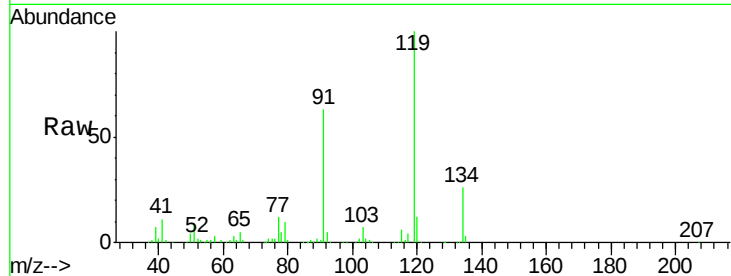
#83
tert-Butylbenzene
Concen: 20.678 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	173285		
91	65.1	30.8	92.4	
134	27.9	13.6	40.8	

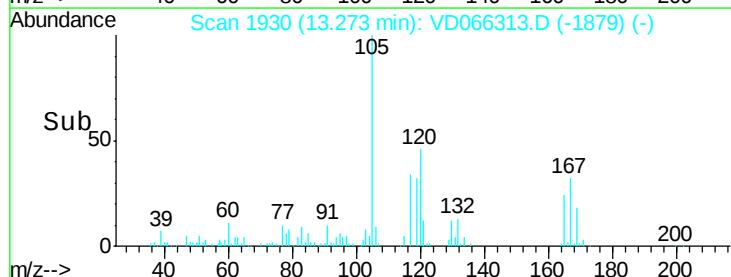
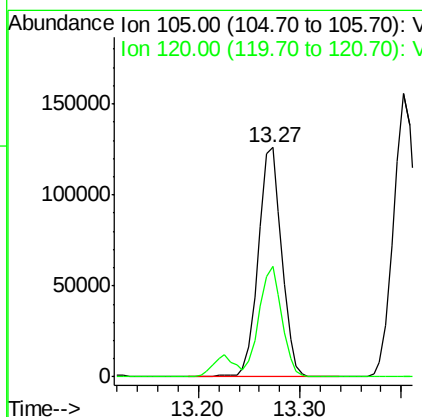
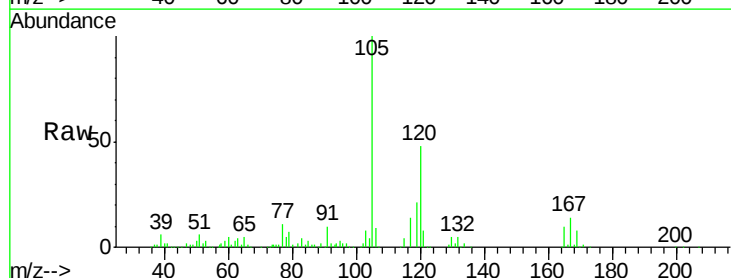
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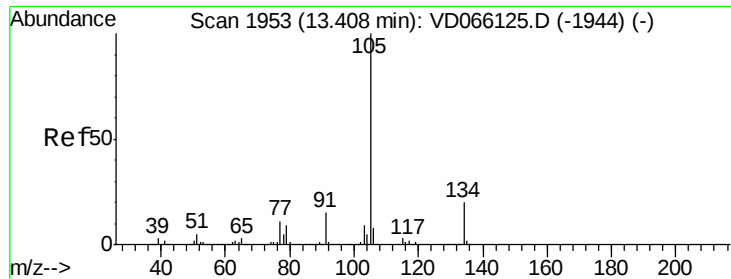
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.205 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202215		
120	46.3	23.1	69.2	





#85

sec-Butylbenzene

Concen: 21.274 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:105 Resp: 240696

Ion Ratio Lower Upper

105 100

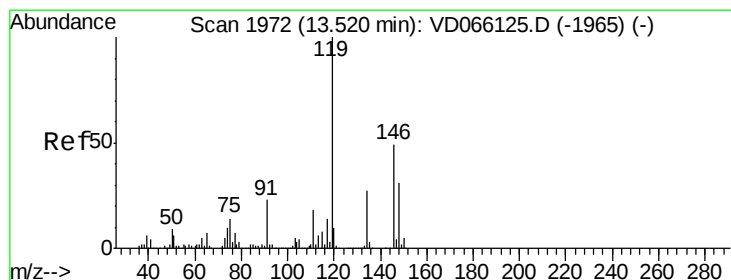
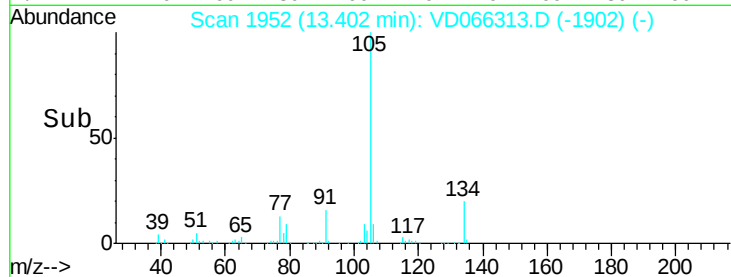
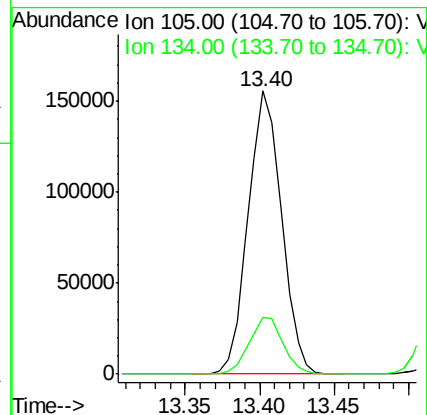
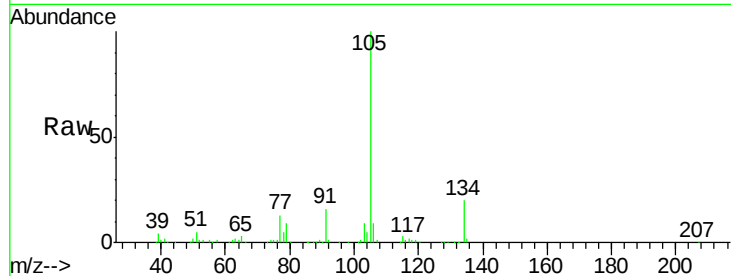
134 20.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.827 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066313.D

Acq: 19 Aug 2020 12:44

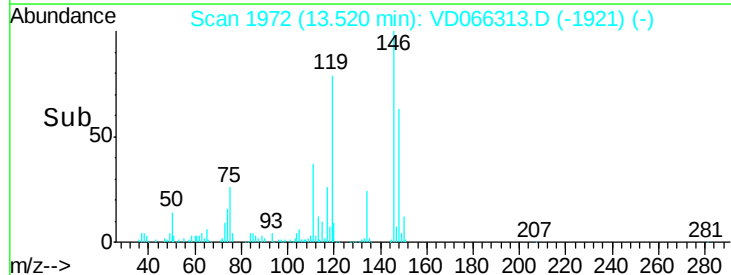
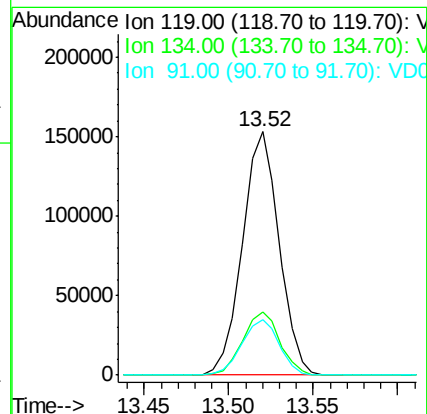
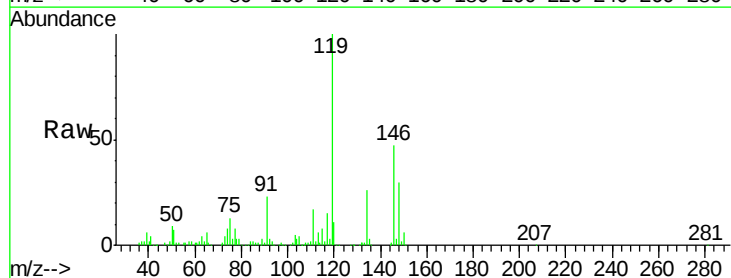
Tgt Ion:119 Resp: 231628

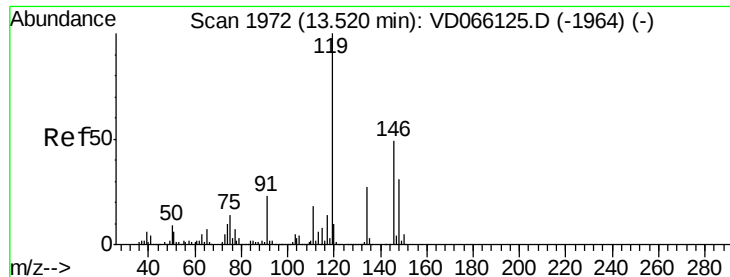
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.5 11.2 33.5





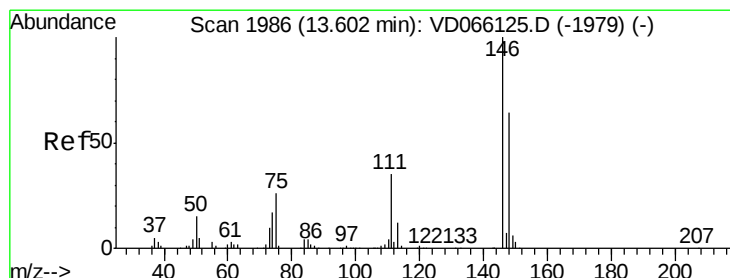
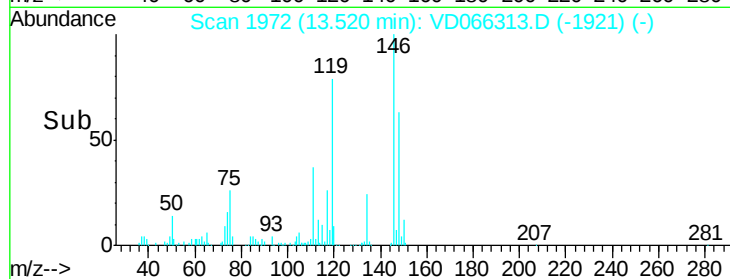
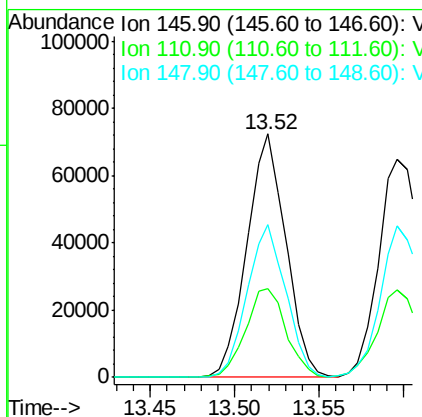
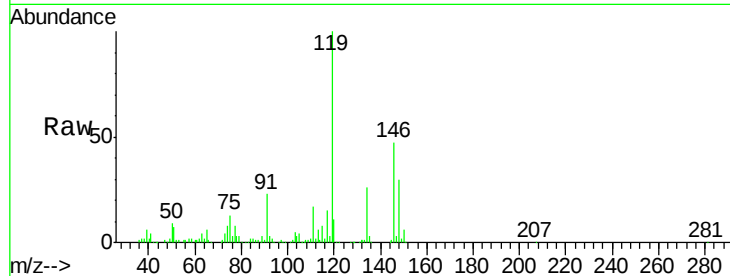
#87
 1,3-Dichlorobenzene
 Concen: 21.031 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115934		
111	38.1	18.9	56.9	
148	62.4	31.8	95.3	

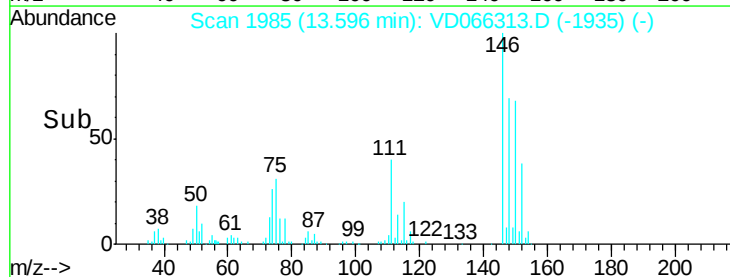
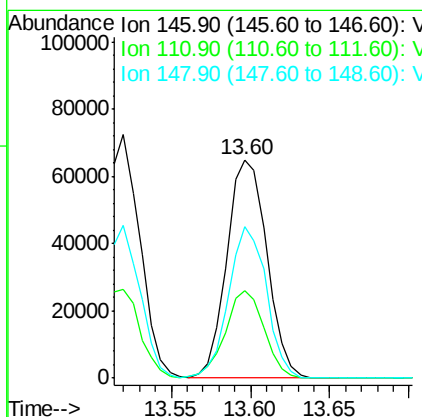
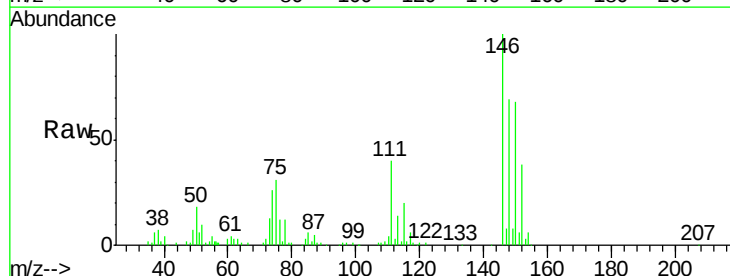
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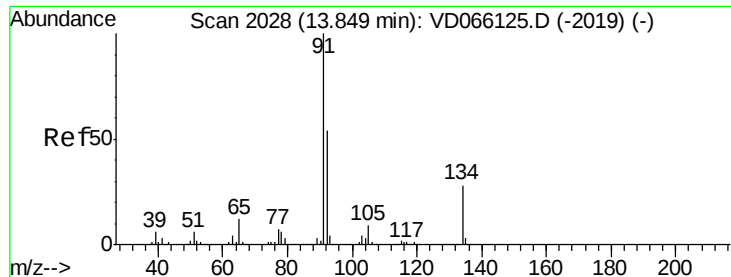
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#88
 1,4-Dichlorobenzene
 Concen: 20.652 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113537		
111	39.0	18.6	55.8	
148	65.5	32.4	97.0	





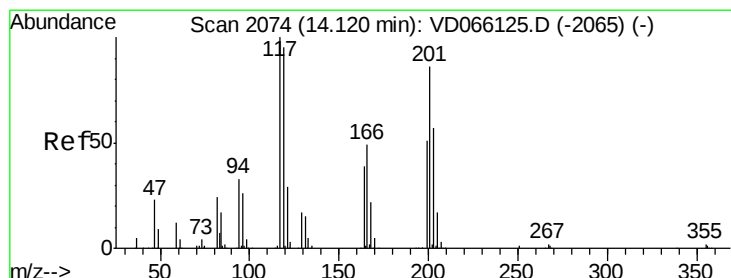
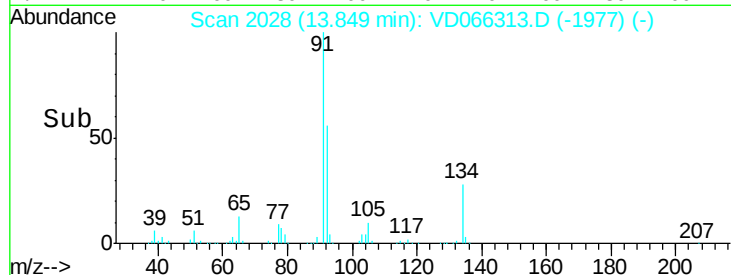
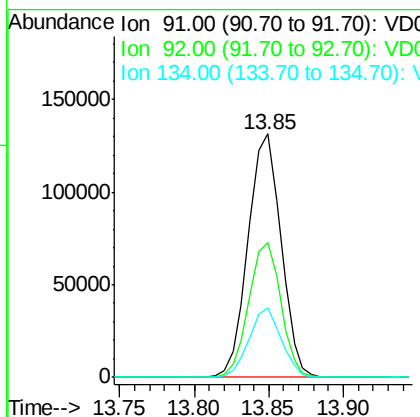
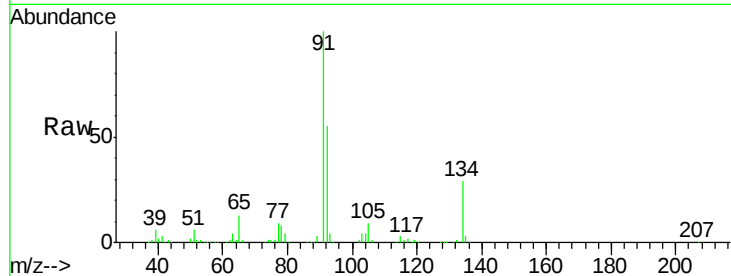
#89
n-Butylbenzene
Concen: 21.098 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	200597		
92	53.9		26.8	80.3
134	27.8		14.0	41.9

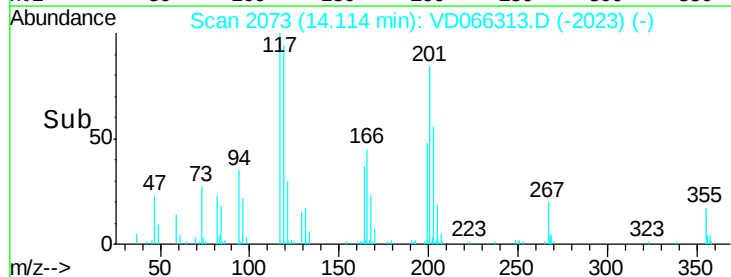
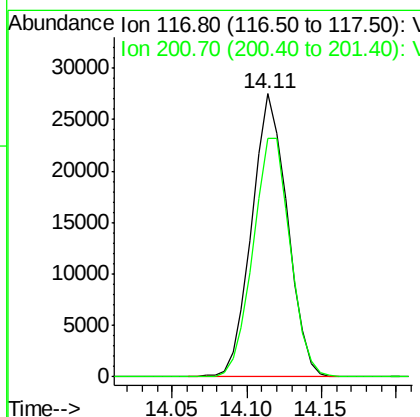
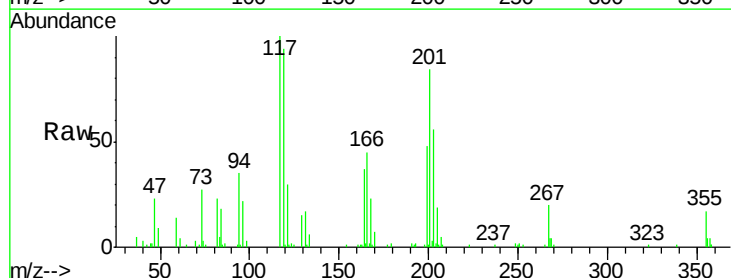
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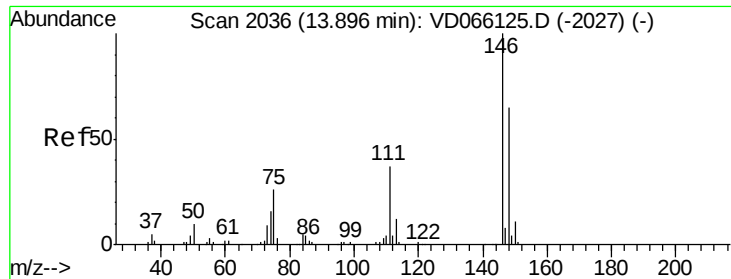
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#90
Hexachloroethane
Concen: 21.412 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45317		
201	87.9		42.7	128.1





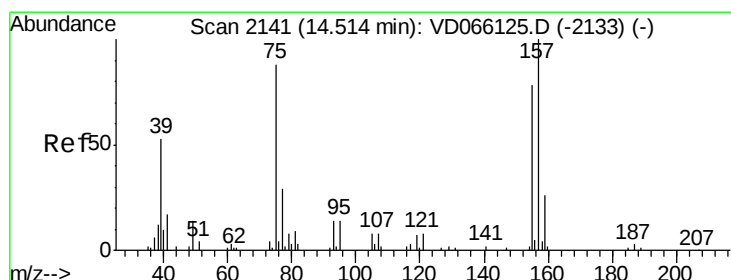
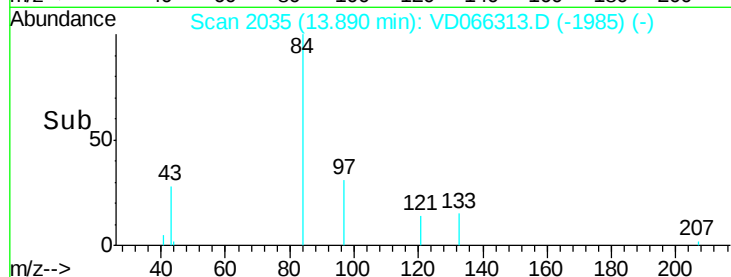
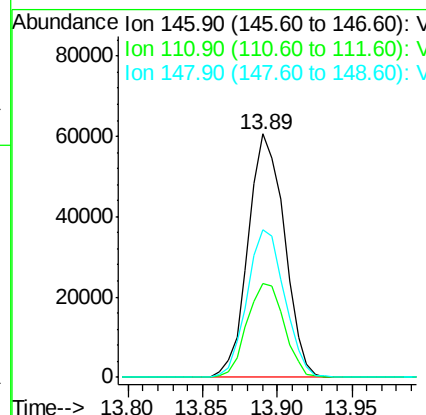
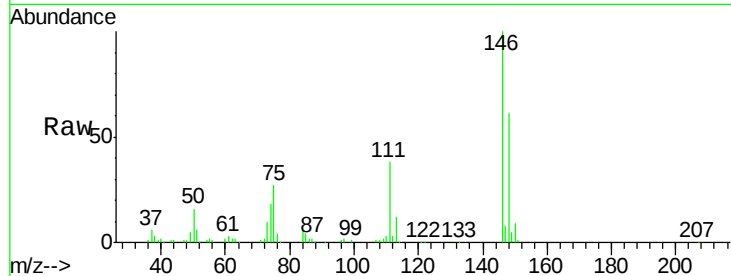
#91
 1,2-Dichlorobenzene
 Concen: 20.876 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	62.7	31.9	95.5

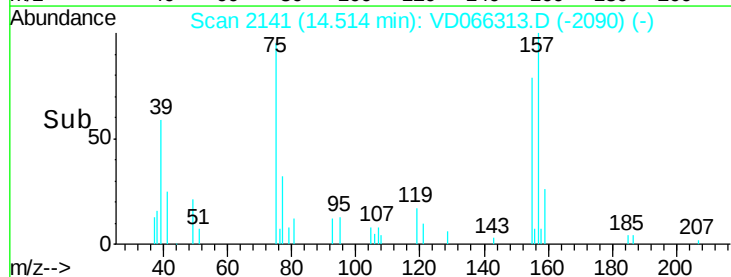
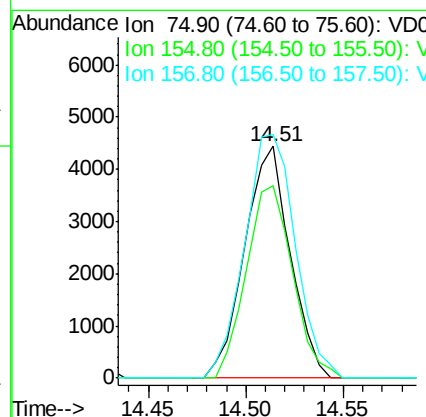
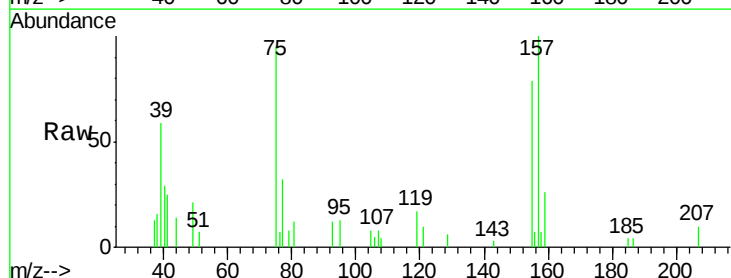
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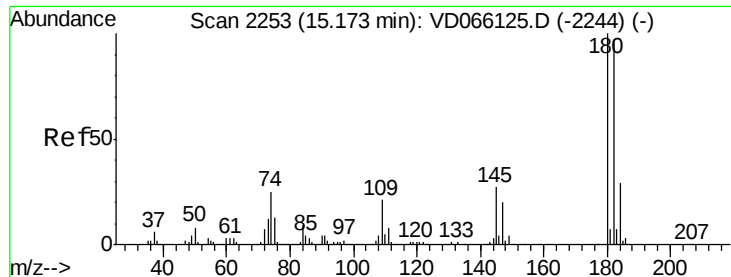
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.544 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	47.7	143.1
157	117.0	62.1	186.2





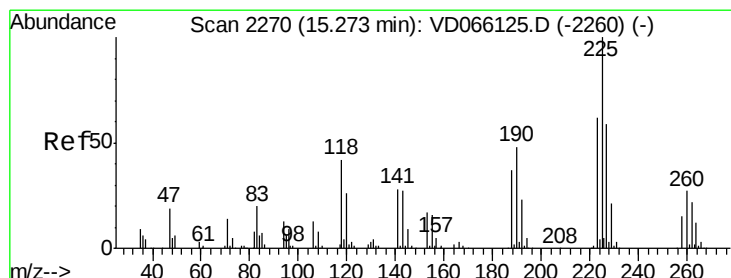
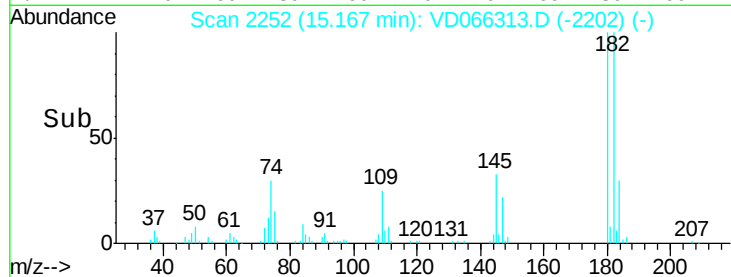
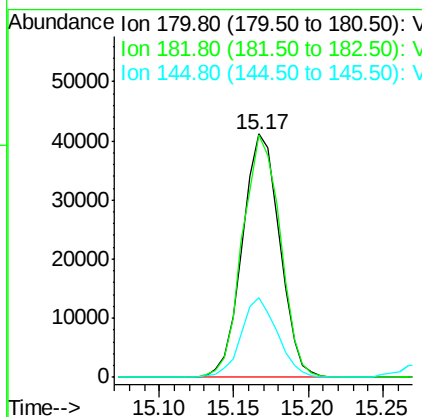
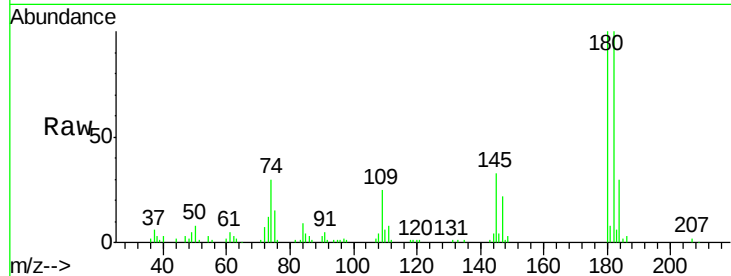
#93
 1,2,4-Trichlorobenzene
 Concen: 19.813 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.4	142.2
145	31.7	14.5	43.6

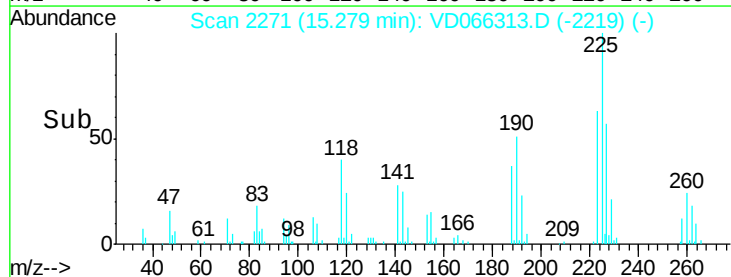
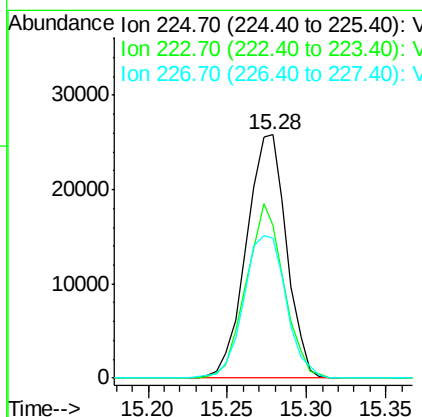
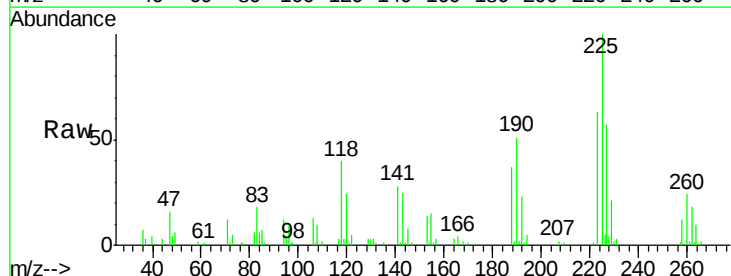
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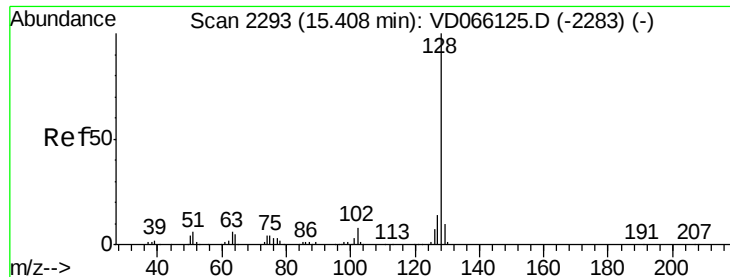
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#94
 Hexachlorobutadiene
 Concen: 21.476 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066313.D
 Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.2	32.3	96.9
227	61.8	32.1	96.5





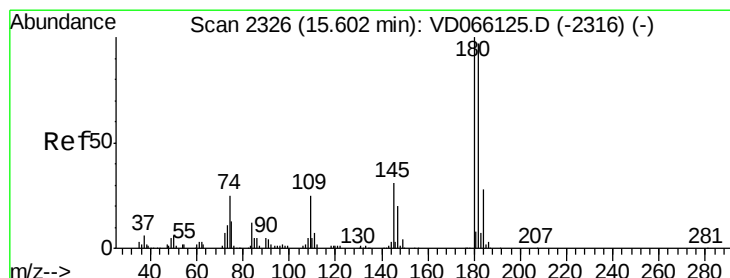
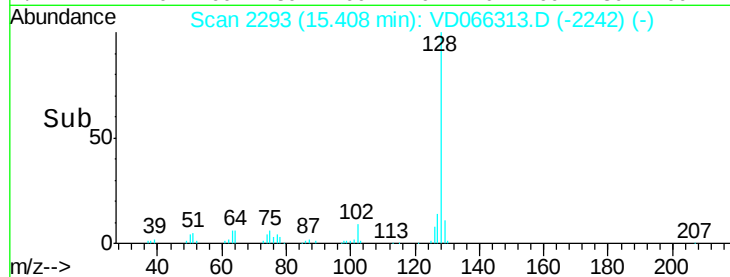
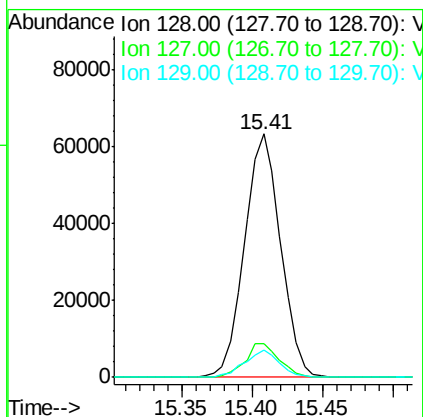
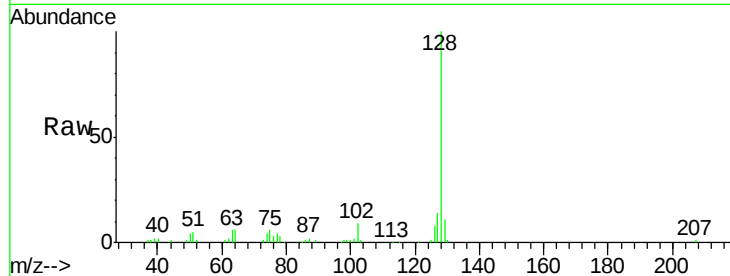
#95
Naphthalene
Concen: 19.370 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.444 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066313.D
Acq: 19 Aug 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.1	141.4
145	33.4	14.9	44.9

