

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066316.D
 Acq On : 19 Aug 2020 14:05
 Operator : VA/SY
 Sample : VD0819SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Manual Integrations
 APPROVED

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 8/20/2020 3:36:54 PM

Quant Time: Aug 19 16:15:16 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	7.98	168	257605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	357749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	330402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	110034	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.91	113	110591	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	412960	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.63	95	147577	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	47721	21.026	ug/l	95
3) Chloromethane	2.20	50	31500	17.842	ug/l #	85
4) Vinyl Chloride	2.34	62	32970	21.093	ug/l	98
5) Bromomethane	2.76	94	22533	21.729	ug/l	84
6) Chloroethane	2.92	64	20375	21.236	ug/l	97
7) Trichlorofluoromethane	3.27	101	86379	21.197	ug/l	93
8) Diethyl Ether	3.71	74	20801	18.091	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47609	19.686	ug/l	98
10) Methyl Iodide	4.30	142	48162	25.650	ug/l	96
11) Tert butyl alcohol	5.19	59	19410m	88.575	ug/l	
12) 1,1-Dichloroethene	4.06	96	42456	18.610	ug/l	98
13) Acrolein	3.91	56	8927	48.799	ug/l	97
14) Allyl chloride	4.71	41	59583	17.239	ug/l	91
15) Acrylonitrile	5.41	53	42324	87.352	ug/l	99
16) Acetone	4.15	43	44296	101.580	ug/l	93
17) Carbon Disulfide	4.40	76	125901	17.357	ug/l	99
18) Methyl Acetate	4.71	43	19694	17.780	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	94079	17.992	ug/l	99
20) Methylene Chloride	4.96	84	60823	21.642	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	46454	17.725	ug/l	93
22) Diisopropyl ether	6.36	45	116275	17.012	ug/l	93
23) Vinyl Acetate	6.30	43	339575	84.807	ug/l	97
24) 1,1-Dichloroethane	6.27	63	78045	18.451	ug/l	98
25) 2-Butanone	7.21	43	56971	88.826	ug/l	97
26) 2,2-Dichloropropane	7.20	77	80864	21.330	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	51016	18.559	ug/l	98
28) Bromochloromethane	7.54	49	29719	20.005	ug/l	98
29) Tetrahydrofuran	7.56	42	32704	82.300	ug/l	97
30) Chloroform	7.71	83	86761	19.535	ug/l	100
31) Cyclohexane	7.98	56	70659	17.549	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	85372	20.501	ug/l	97
36) 1,1-Dichloropropene	8.11	75	68541	20.388	ug/l	97
37) Ethyl Acetate	7.29	43	23036	17.295	ug/l #	79
38) Carbon Tetrachloride	8.10	117	81785	21.816	ug/l	96

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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	77857	19.159	ug/l	98
40) Benzene	8.35	78	182563	19.576	ug/l	99
41) Methacrylonitrile	7.53	41	16050m	20.494	ug/l	
42) 1,2-Dichloroethane	8.42	62	57284	20.909	ug/l	97
43) Isopropyl Acetate	8.45	43	47142	17.963	ug/l	98
44) Trichloroethene	9.11	130	58737	20.901	ug/l	96
45) 1,2-Dichloropropane	9.38	63	42235	18.517	ug/l	95
46) Dibromomethane	9.47	93	24337	19.371	ug/l	97
47) Bromodichloromethane	9.66	83	68483	20.624	ug/l #	93
48) Methyl methacrylate	9.45	41	21881	16.328	ug/l #	78
49) 1,4-Dioxane	9.46	88	5756	356.610	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	118453	87.871	ug/l	98
52) Toluene	10.40	92	121122	19.738	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63426	20.128	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	70362	19.058	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	34624	19.139	ug/l	94
56) Ethyl methacrylate	10.66	69	39649	18.244	ug/l	95
57) 1,3-Dichloropropane	10.94	76	57977	19.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	98398	100.658	ug/l	98
59) 2-Hexanone	10.98	43	84784	89.617	ug/l	98
60) Dibromochloromethane	11.14	129	51385	20.574	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35083	20.165	ug/l	95
64) Tetrachloroethene	10.87	164	51602	20.339	ug/l	94
65) Chlorobenzene	11.67	112	134600	20.068	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	53276	20.301	ug/l	98
67) Ethyl Benzene	11.74	91	234345	20.162	ug/l	96
68) m/p-Xylenes	11.85	106	179991	39.969	ug/l	95
69) o-Xylene	12.18	106	83487	20.380	ug/l	97
70) Styrene	12.20	104	143977	20.055	ug/l	98
71) Bromoform	12.36	173	30870	19.854	ug/l #	99
73) Isopropylbenzene	12.48	105	238925	20.609	ug/l	98
74) N-amyl acetate	12.29	43	44006	17.238	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35255	17.834	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	35130m	24.256	ug/l	
77) Bromobenzene	12.76	156	59777	20.030	ug/l	97
78) n-propylbenzene	12.82	91	273022	20.260	ug/l	99
79) 2-Chlorotoluene	12.91	91	153506	19.916	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	200517	20.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13275	20.262	ug/l	95
82) 4-Chlorotoluene	13.00	91	165889	20.389	ug/l	100
83) tert-Butylbenzene	13.23	119	172721	20.257	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	196339	20.235	ug/l	98
85) sec-Butylbenzene	13.40	105	238589	20.726	ug/l	99
86) p-Isopropyltoluene	13.52	119	226474	20.975	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	109568	19.535	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	112016	20.026	ug/l	99
89) n-Butylbenzene	13.85	91	197831	20.450	ug/l	99
90) Hexachloroethane	14.11	117	42707	19.832	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	98033	19.763	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6339	18.658	ug/l	99

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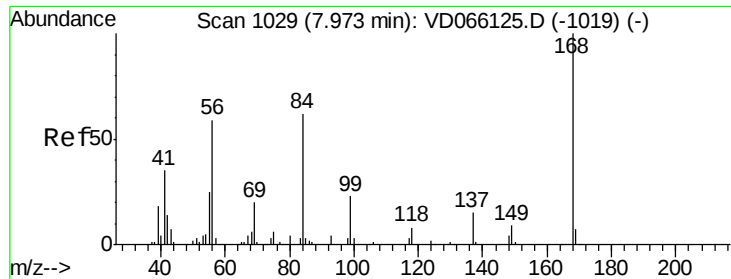
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72284	19.774	ug/l	97
94) Hexachlorobutadiene	15.27	225	43244	20.090	ug/l	97
95) Naphthalene	15.41	128	107492	18.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	60081	18.619	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:168 Resp: 257605

Ion Ratio Lower Upper

168 100

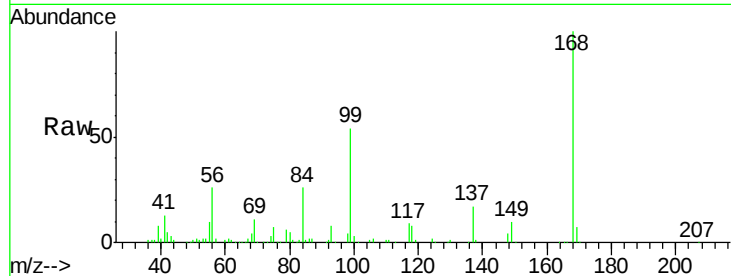
99 53.6 42.2 63.4

Manual Integrations

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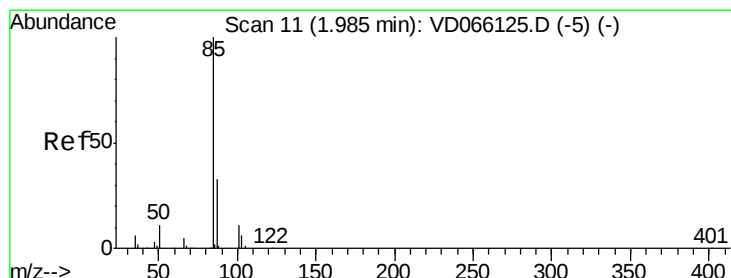
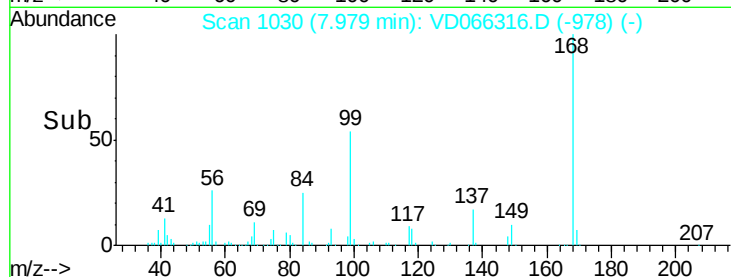
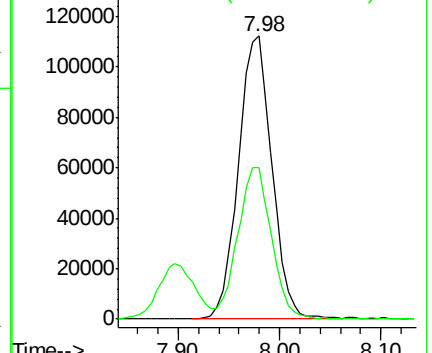
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.026 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066316.D

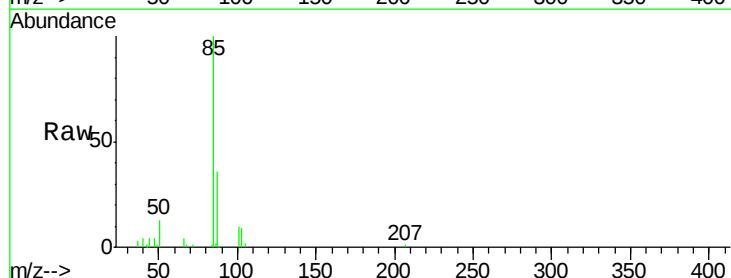
Acq: 19 Aug 2020 14:05

Tgt Ion: 85 Resp: 47721

Ion Ratio Lower Upper

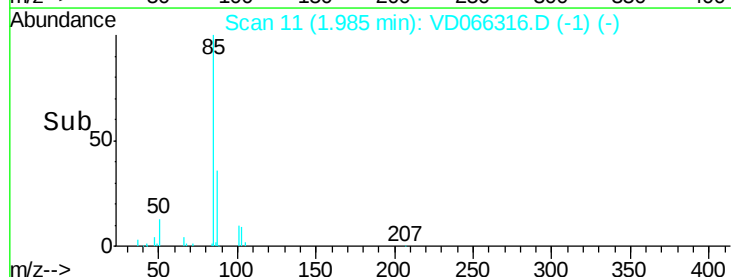
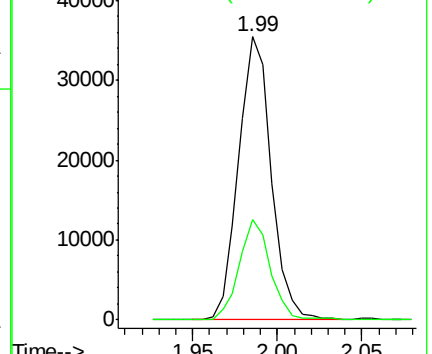
85 100

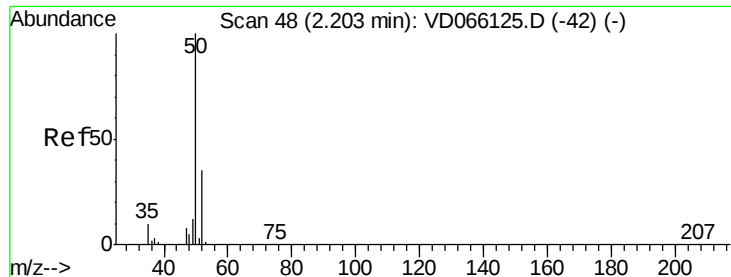
87 35.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.842 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 50 Resp: 31500

Ion Ratio Lower Upper

50 100

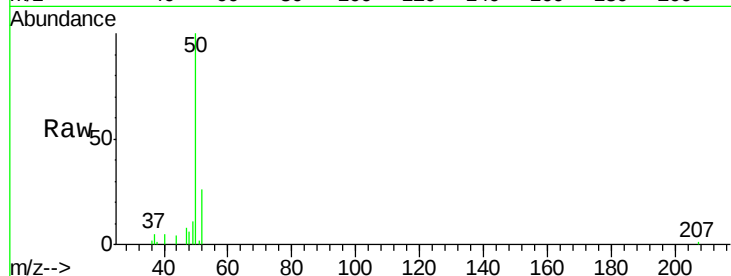
52 26.0 27.9 41.9#

Manual Integrations

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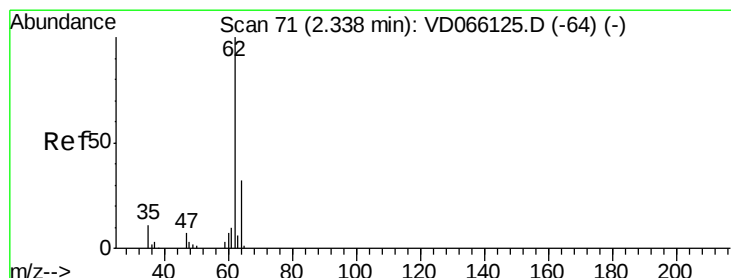
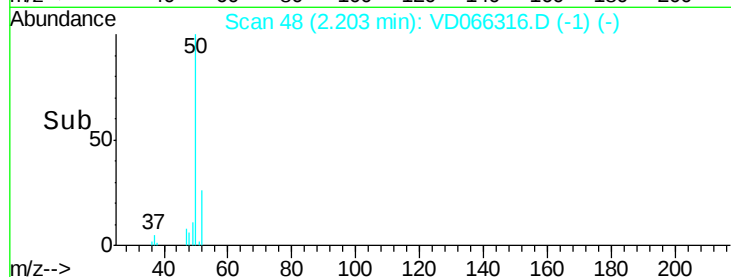
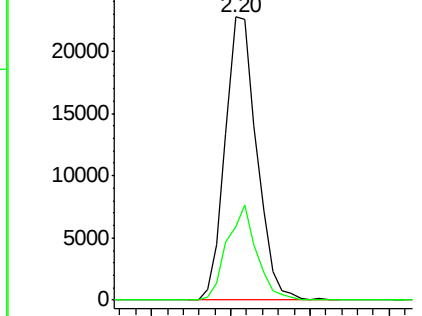
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.093 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066316.D

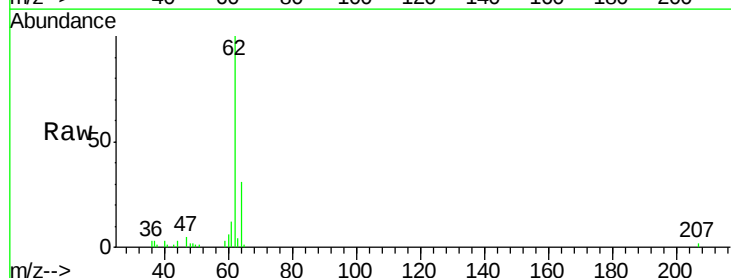
Acq: 19 Aug 2020 14:05

Tgt Ion: 62 Resp: 32970

Ion Ratio Lower Upper

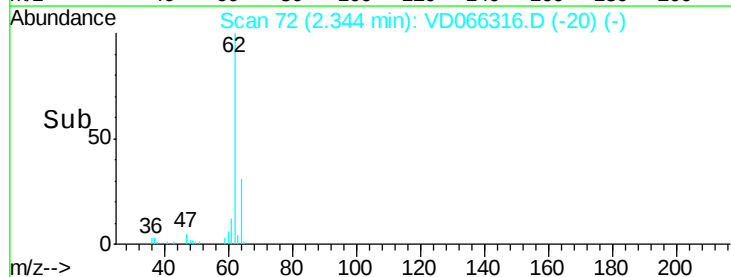
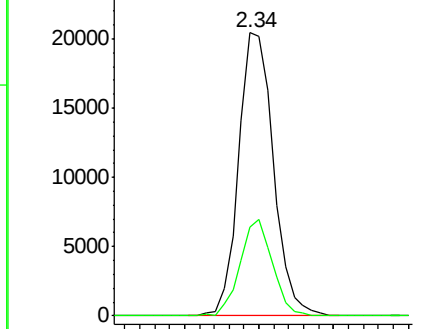
62 100

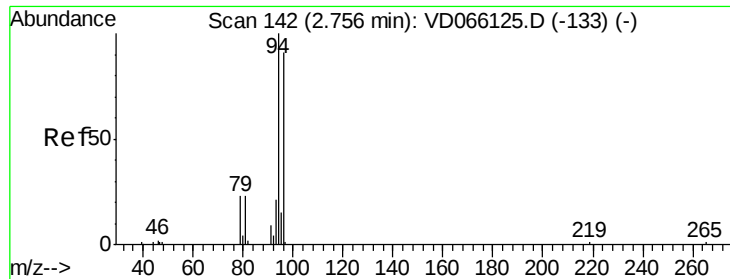
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.729 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 94 Resp: 22533

Ion Ratio Lower Upper

94 100

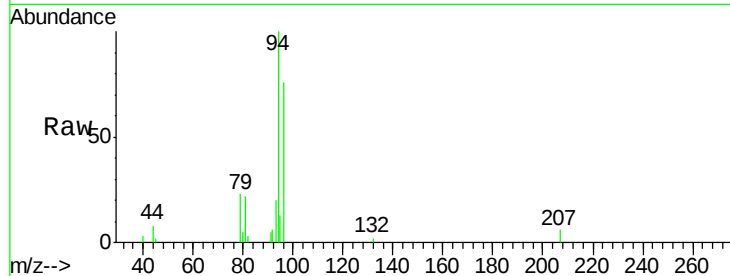
96 75.8 72.6 109.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

6000

4000

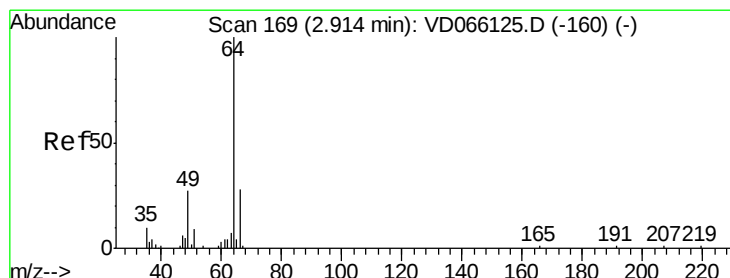
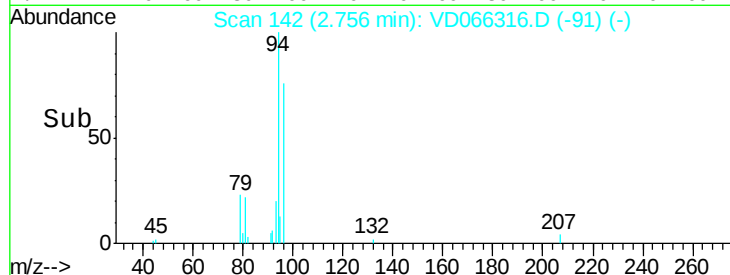
2000

0

Time-->

2.65 2.70 2.75 2.80 2.85

2.76



#6

Chloroethane

Concen: 21.236 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066316.D

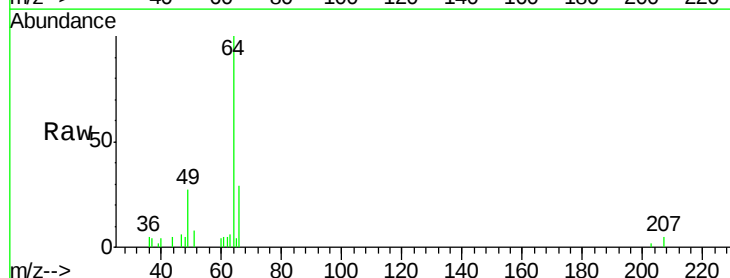
Acq: 19 Aug 2020 14:05

Tgt Ion: 64 Resp: 20375

Ion Ratio Lower Upper

64 100

66 29.1 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

8000

6000

4000

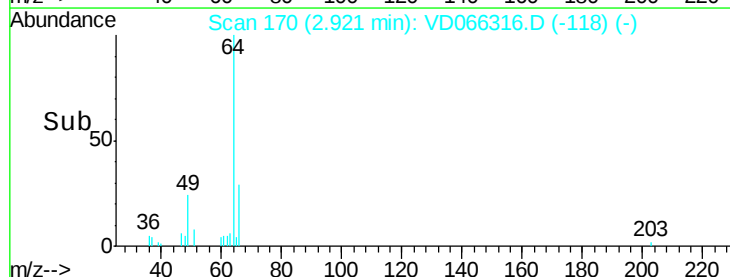
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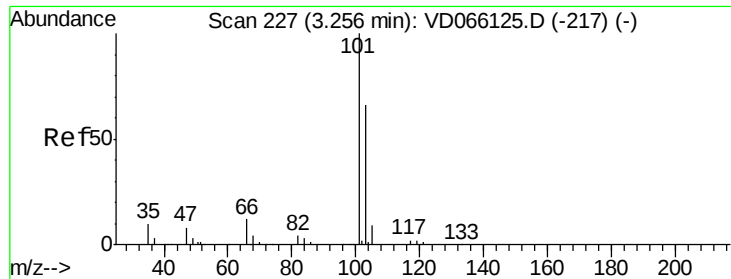
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Time-->

2.85 2.90 2.95 3.00

2.92





#7

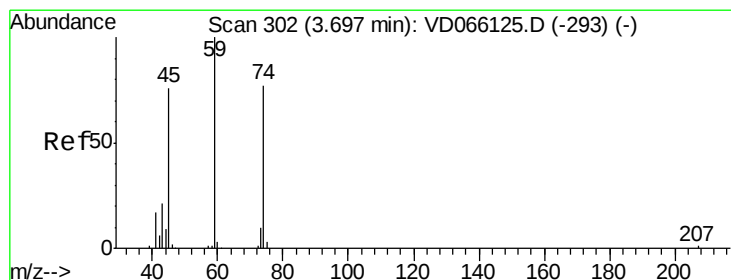
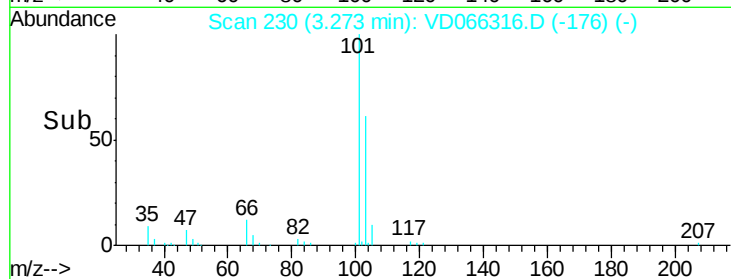
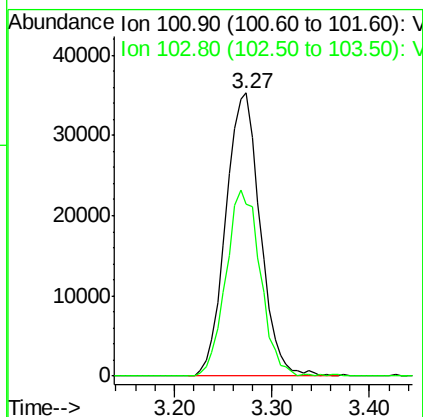
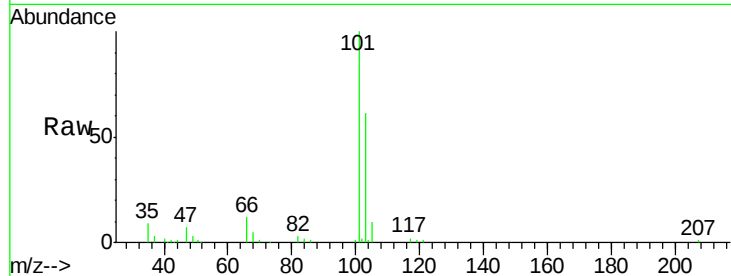
Trichlorofluoromethane
Concen: 21.197 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066316.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		86379		
103	60.6	53.0	79.6		

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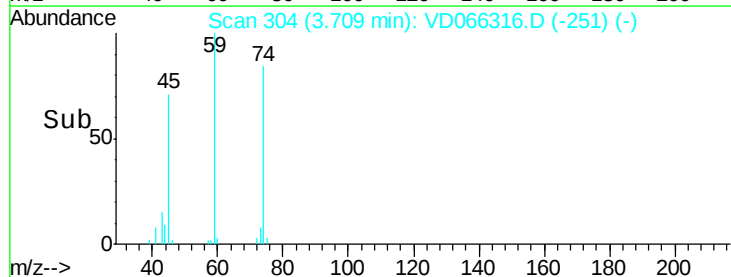
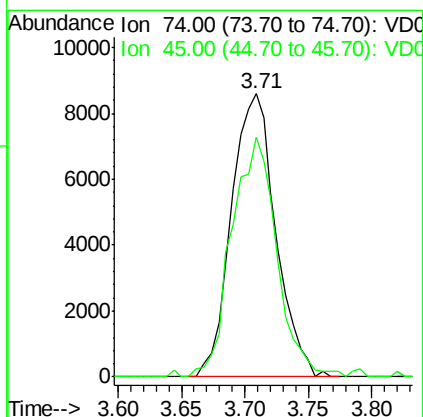
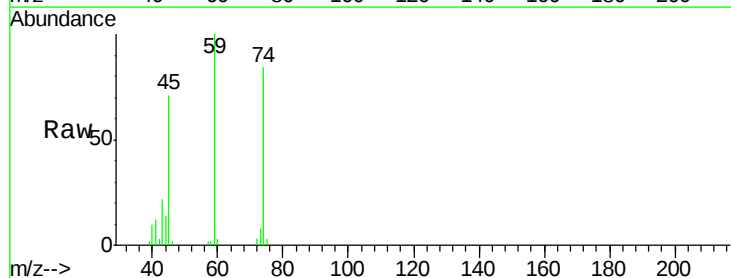
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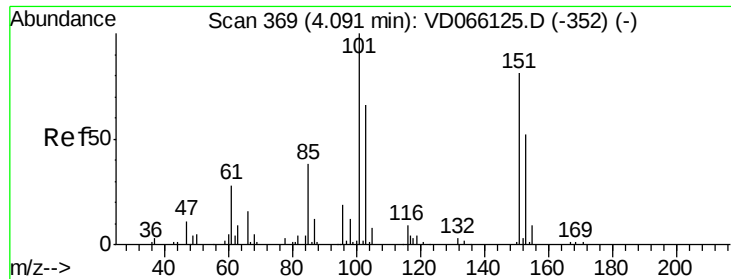


#8

Diethyl Ether
Concen: 18.091 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20801		
45	86.3	48.4	145.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.686 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

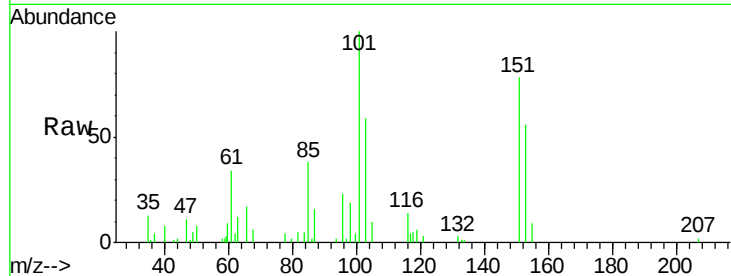
ClientSampleId :

VD0819SBS01

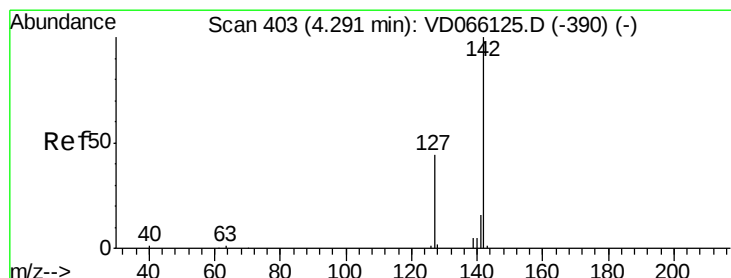
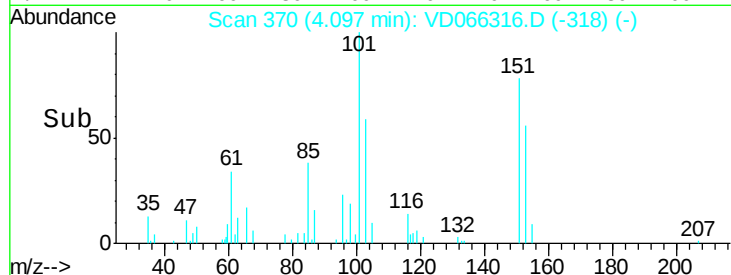
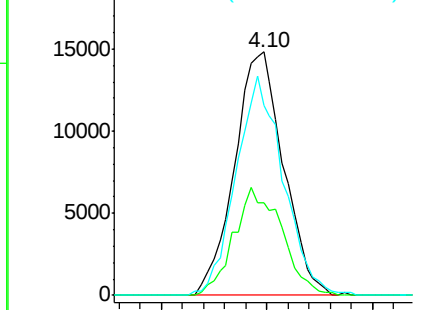
Tot Ion:	101	Resp:	47609
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.5	50.3
151	87.0	67.8	101.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.650 ug/l

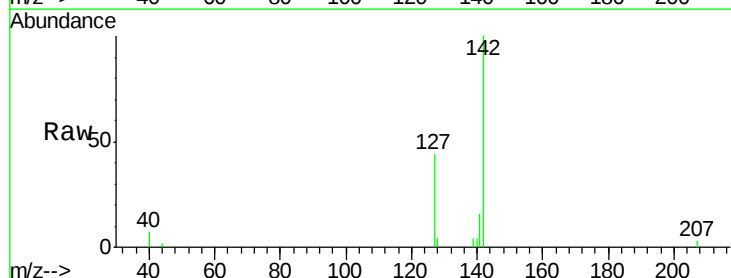
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

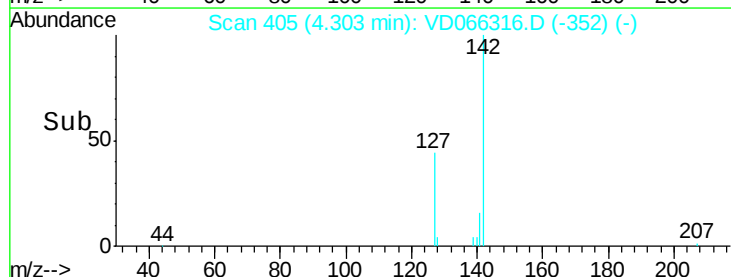
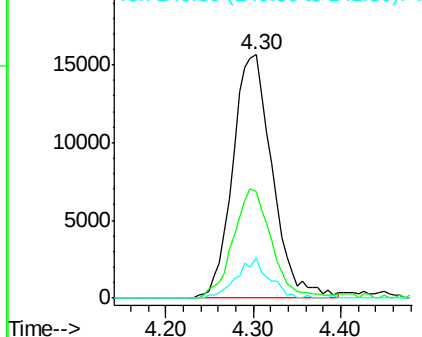
Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion:	142	Resp:	48162
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.2	54.4
141	13.3	12.6	18.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.575 ug/l m

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 59 Resp: 19410

Ion Ratio Lower Upper

59 100

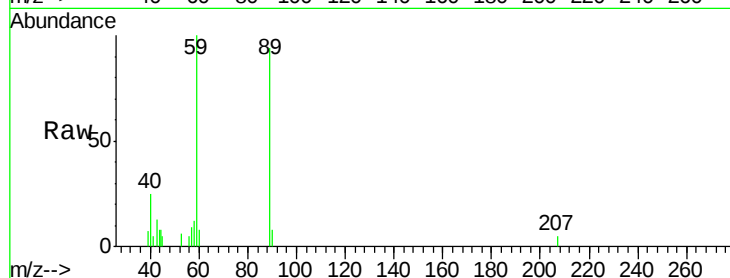
57 0.0 7.0 10.4#

Manual Integrations

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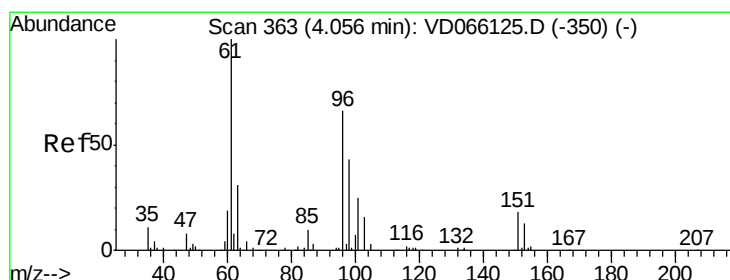
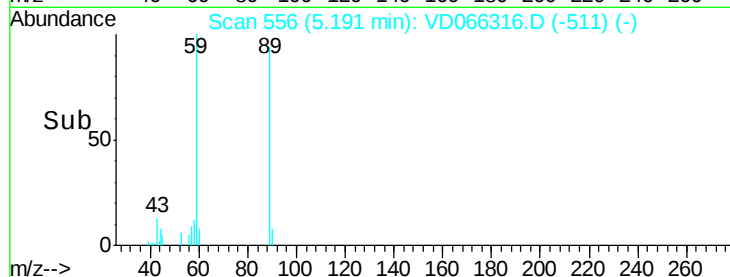
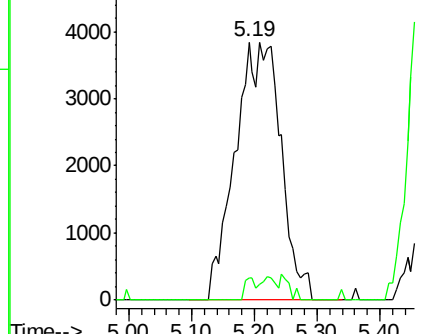
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 18.610 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

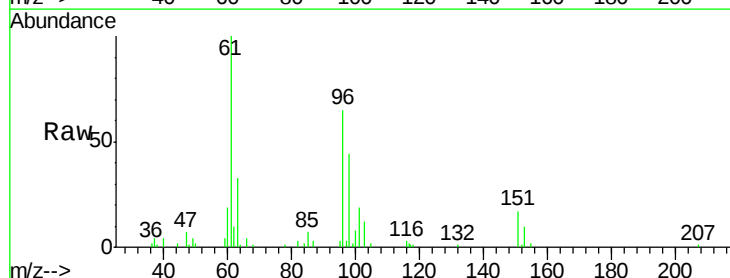
Tgt Ion: 96 Resp: 42456

Ion Ratio Lower Upper

96 100

61 153.9 121.6 182.4

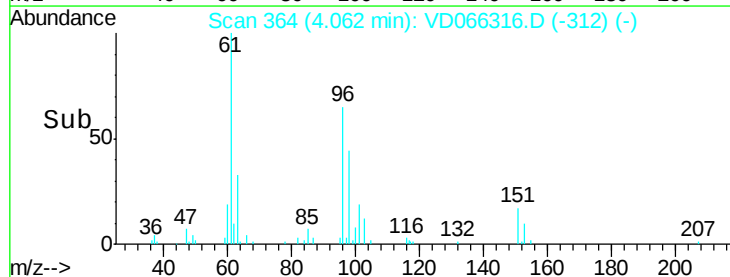
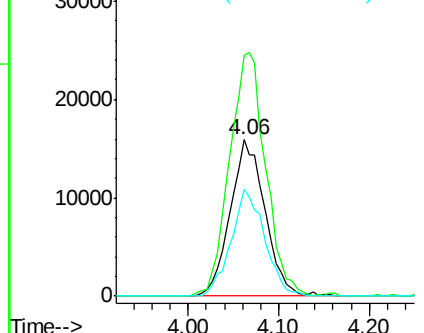
98 68.1 52.0 78.0

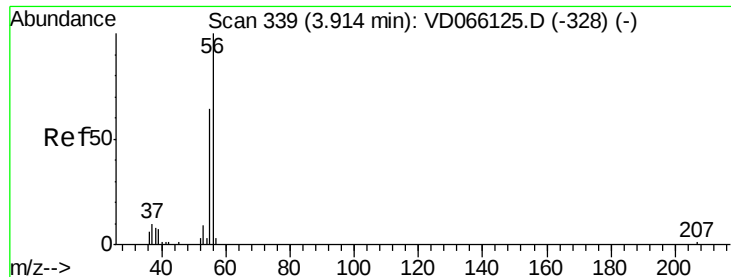


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 48.799 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 56 Resp: 8927

Ion Ratio Lower Upper

56 100

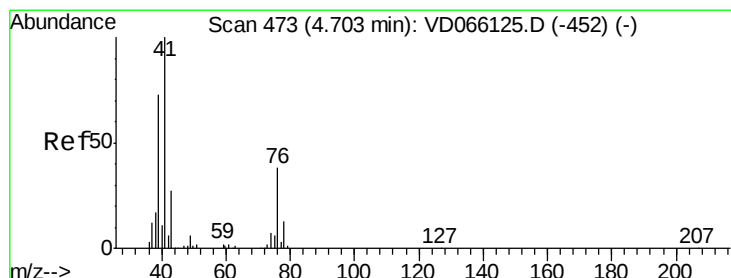
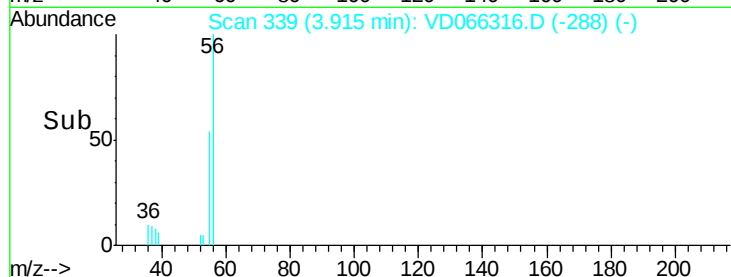
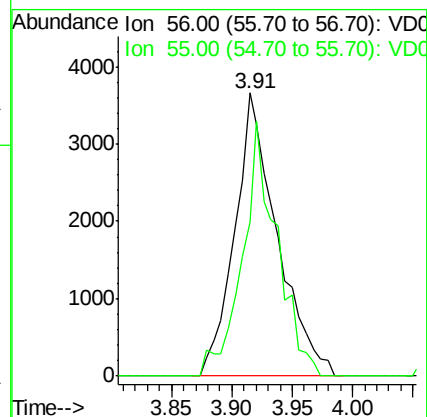
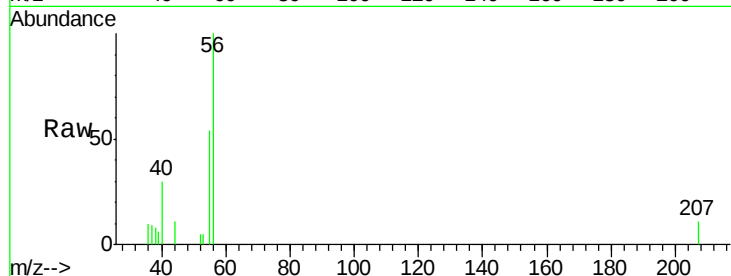
55 73.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.239 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

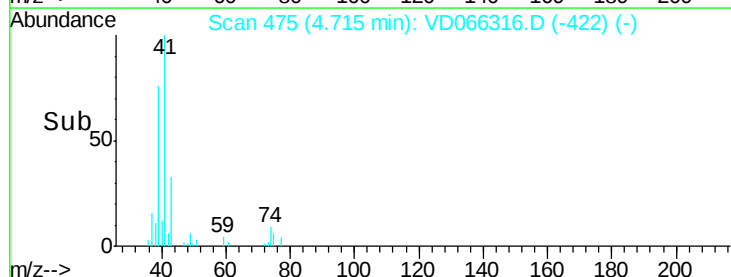
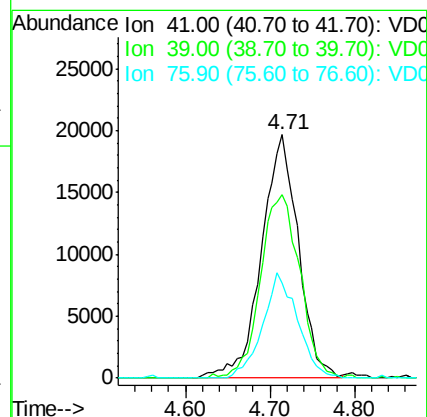
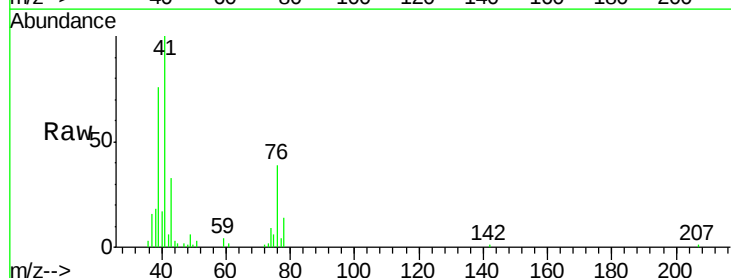
Tgt Ion: 41 Resp: 59583

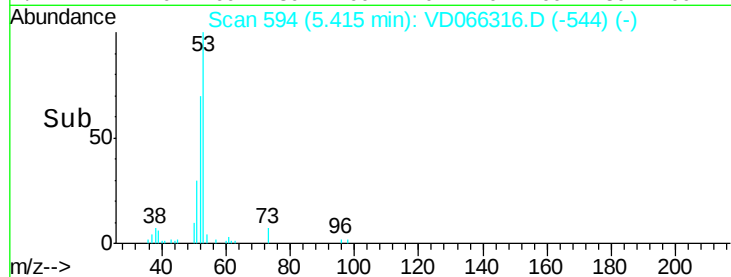
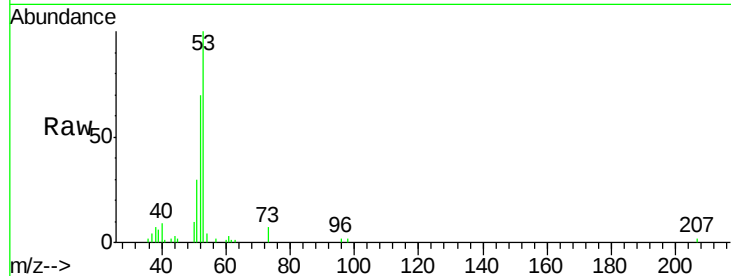
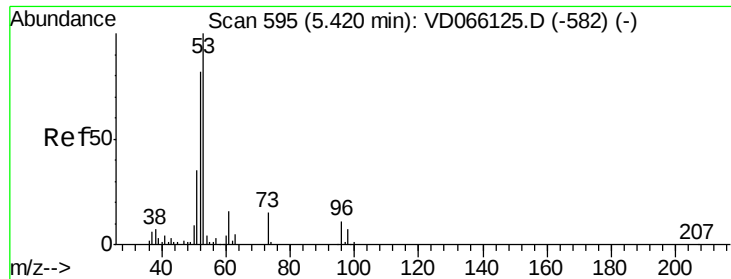
Ion Ratio Lower Upper

41 100

39 80.7 57.4 86.0

76 40.9 30.1 45.1





#15

Acrylonitrile

Concen: 87.352 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066316.D

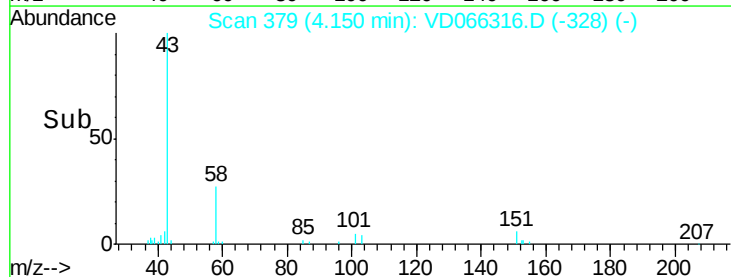
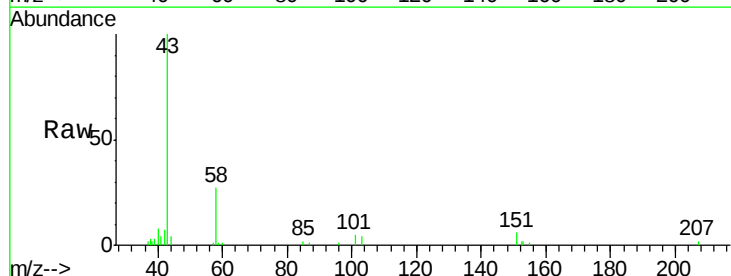
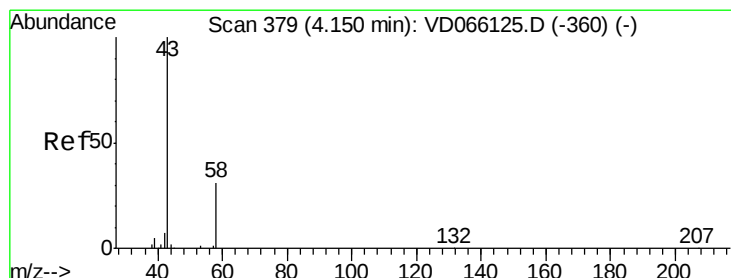
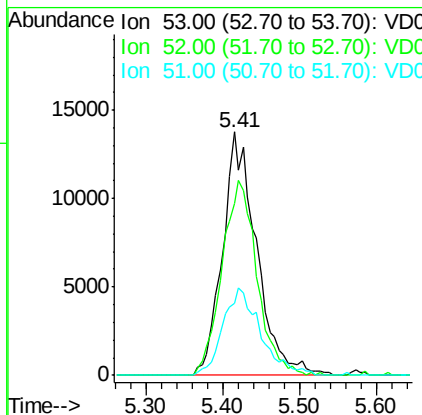
Acq: 19 Aug 2020 14:05

Tot Ion:	53	Resp:	42324
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.1	99.1
51	39.5	30.8	46.2

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Manual Integrations
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#16

Acetone

Concen: 101.580 ug/l

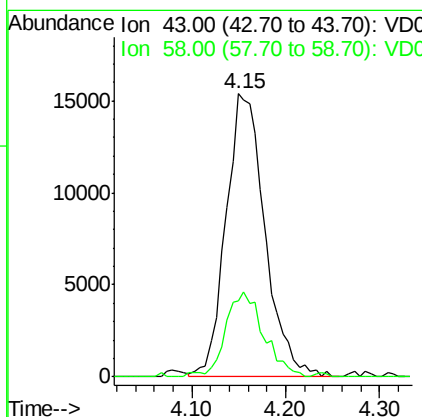
RT: 4.15 min Scan# 379

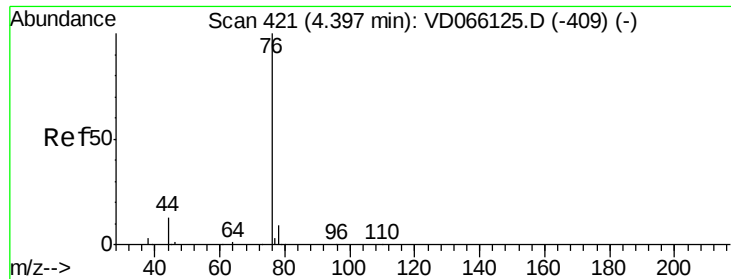
Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion:	43	Resp:	44296
Ion Ratio	Lower	Upper	
43	100		
58	27.0	24.7	37.1





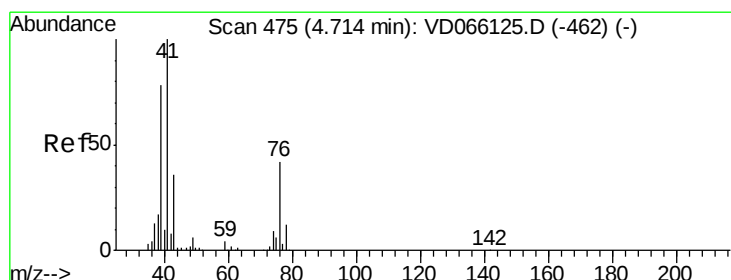
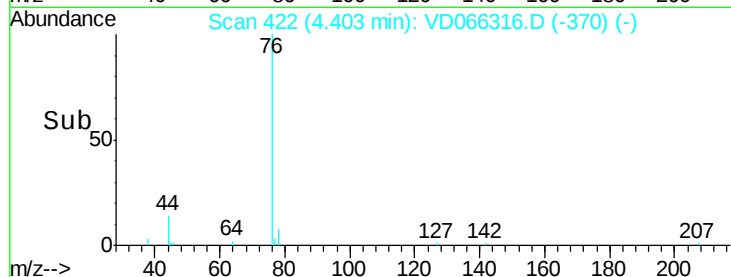
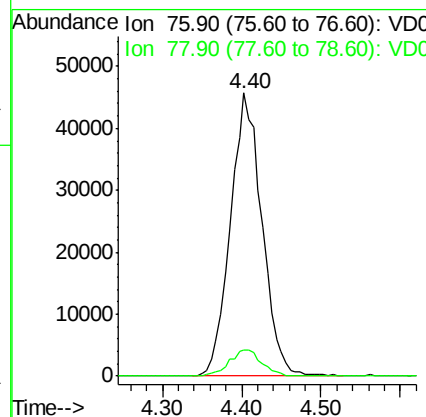
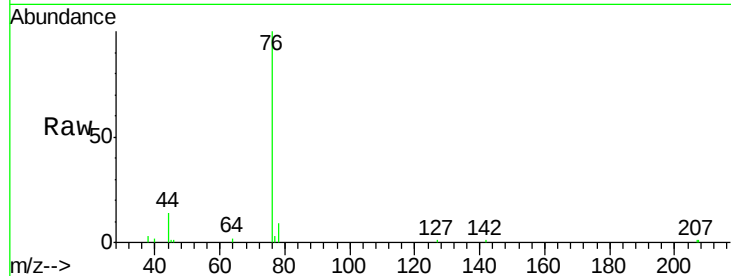
#17
Carbon Disulfide
Concen: 17.357 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

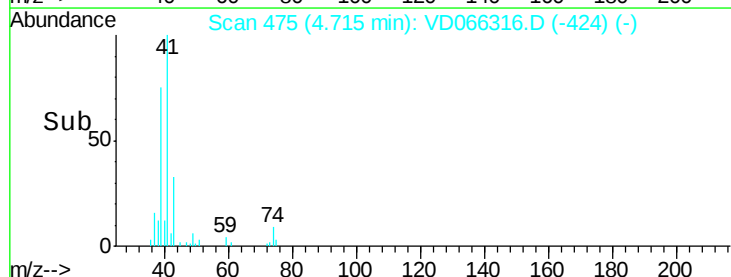
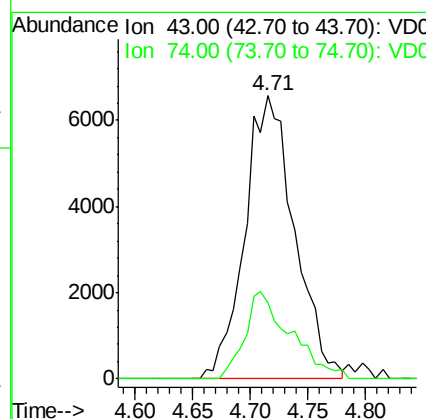
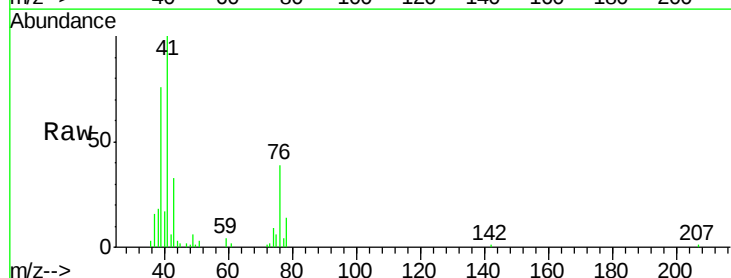
Manual Integrations
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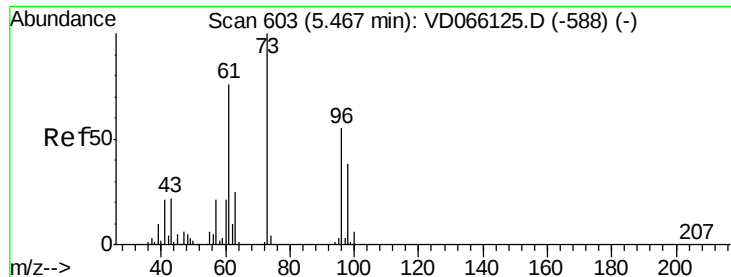
MMDadoda
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#18
Methyl Acetate
Concen: 17.780 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.2	31.8





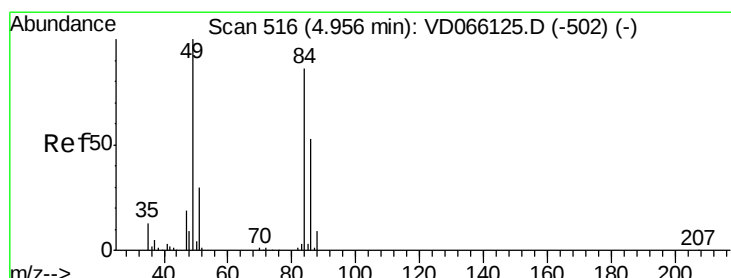
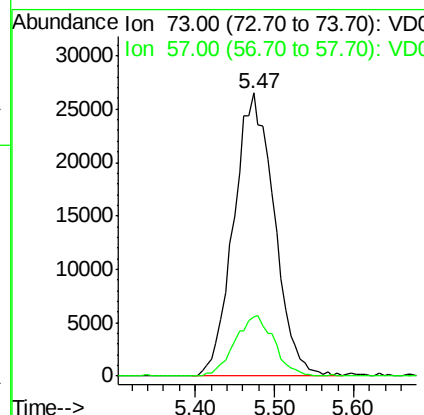
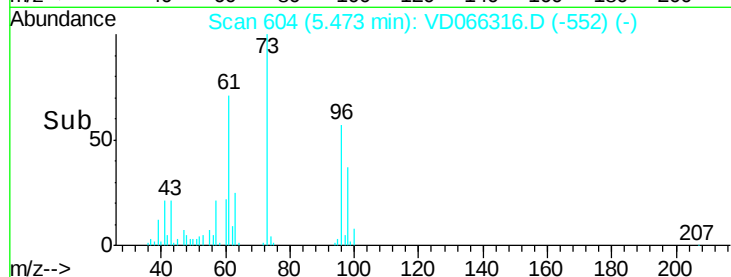
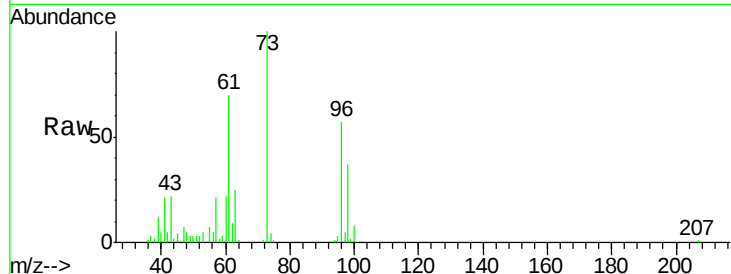
#19
Methyl tert-butyl Ether
Concen: 17.992 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 73 Resp: 94079
Ion Ratio Lower Upper
73 100
57 20.8 17.1 25.7

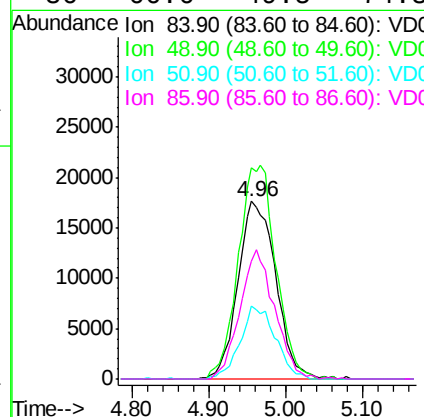
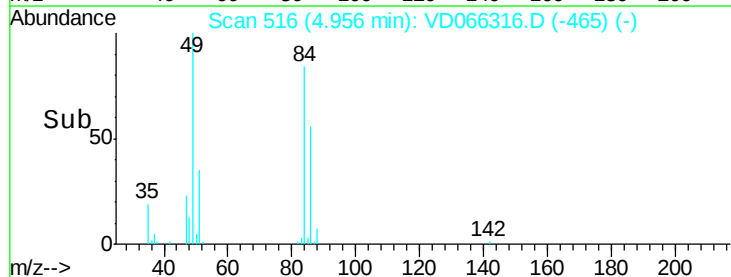
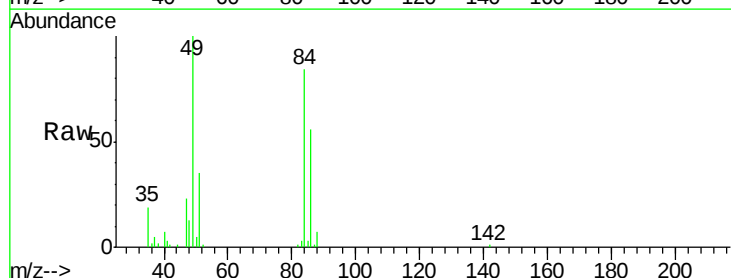
Manual Integrations
APPROVED

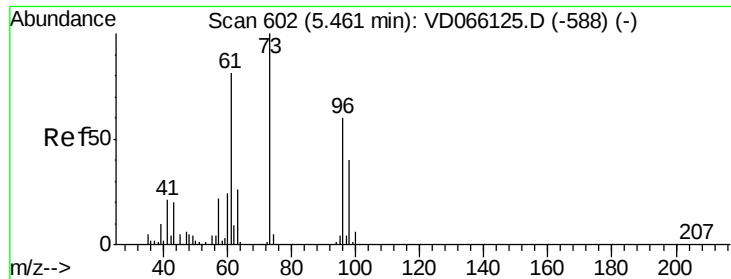
MMDadoda
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#20
Methylene Chloride
Concen: 21.642 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 84 Resp: 60823
Ion Ratio Lower Upper
84 100
49 119.2 93.5 140.3
51 41.2 28.2 42.4
86 66.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 17.725 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

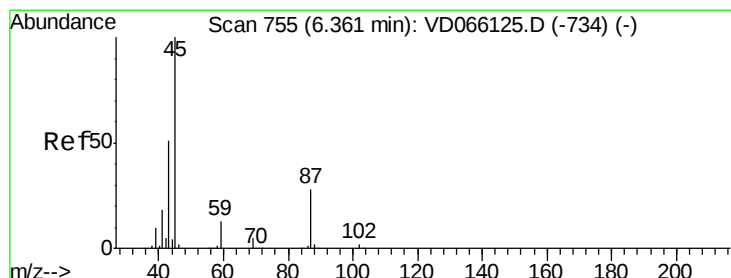
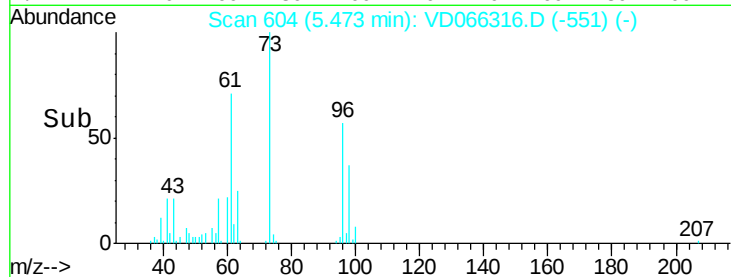
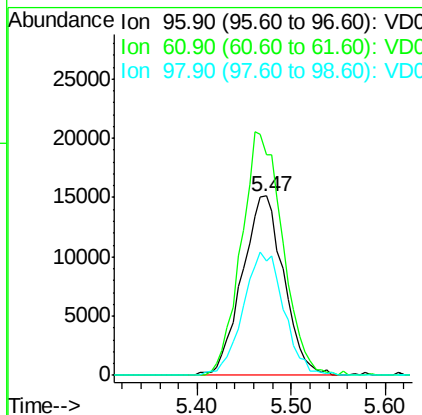
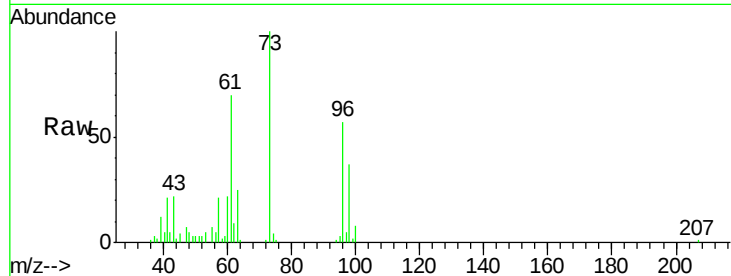
ClientSampleId :

VD0819SBS01

Tot Ion:	96	Resp:	46454
Ion	Ratio	Lower	Upper
96	100		
61	123.3	106.9	160.3
98	64.1	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.012 ug/l

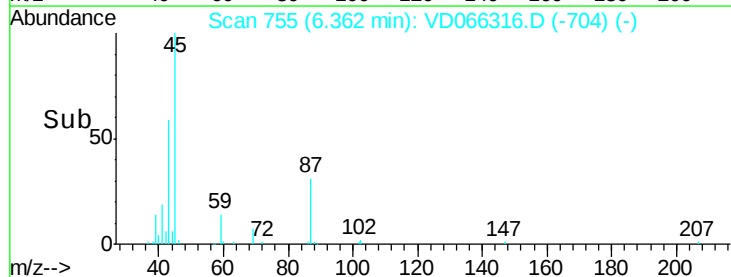
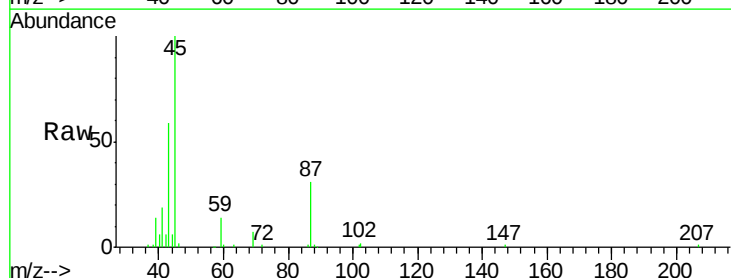
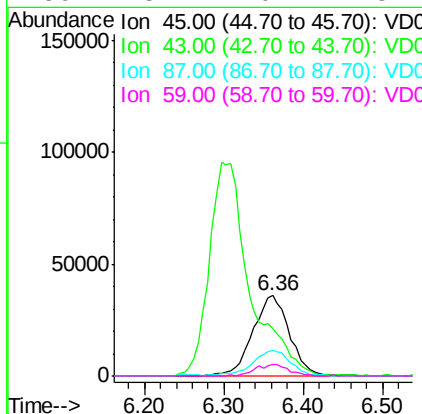
RT: 6.36 min Scan# 755

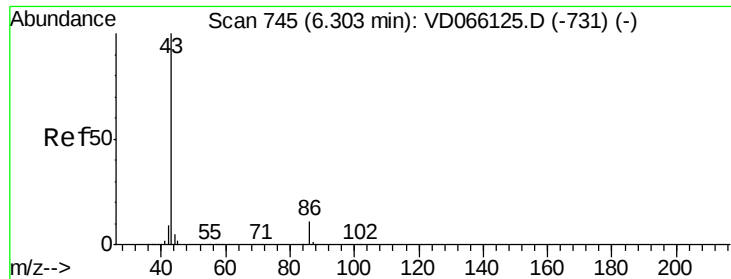
Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion:	45	Resp:	116275
Ion	Ratio	Lower	Upper
45	100		
43	57.6	41.2	61.8
87	31.1	22.8	34.2
59	13.7	10.2	15.2





#23

Vinyl Acetate

Concen: 84.807 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 339575

Ion Ratio Lower Upper

43 100

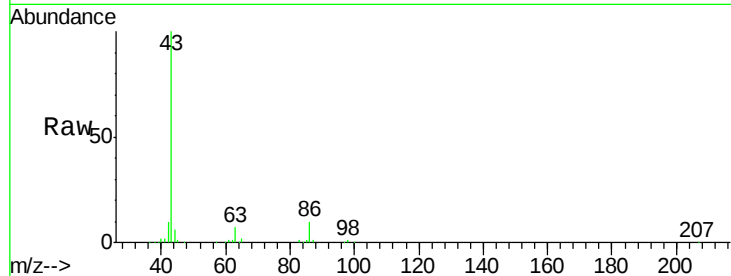
86 10.4 9.1 13.7

Manual Integrations

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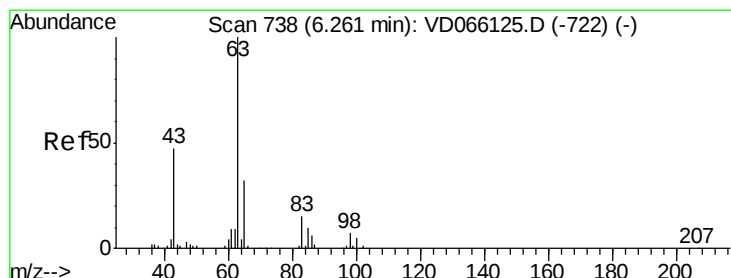
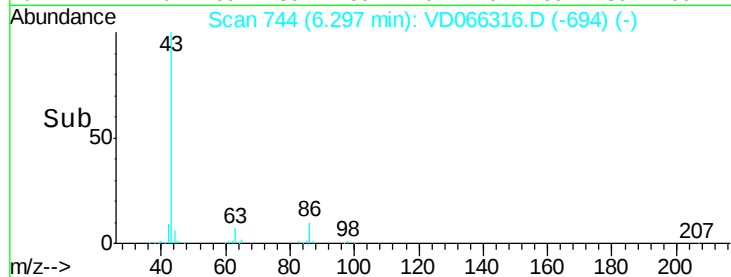
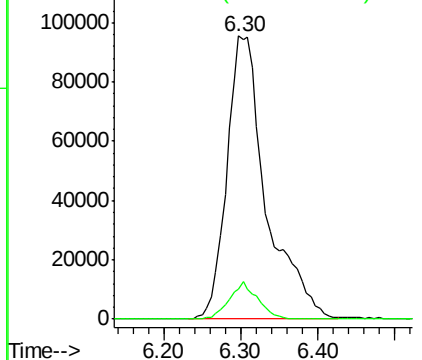
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.451 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

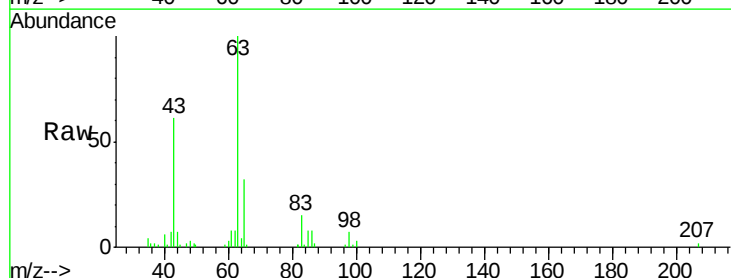
Tgt Ion: 63 Resp: 78045

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

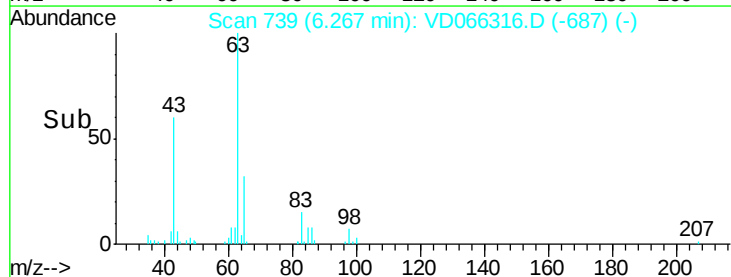
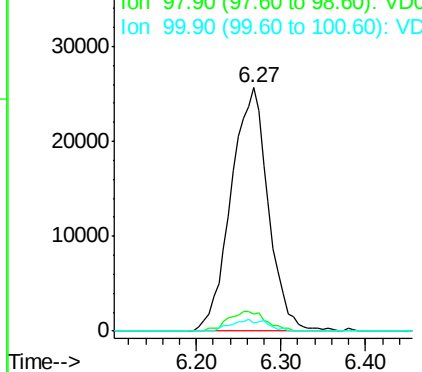
100 3.5 2.4 7.2

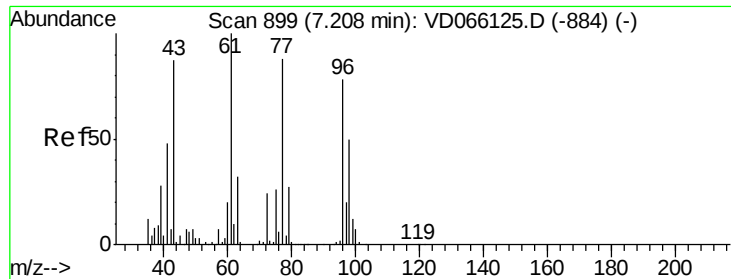


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





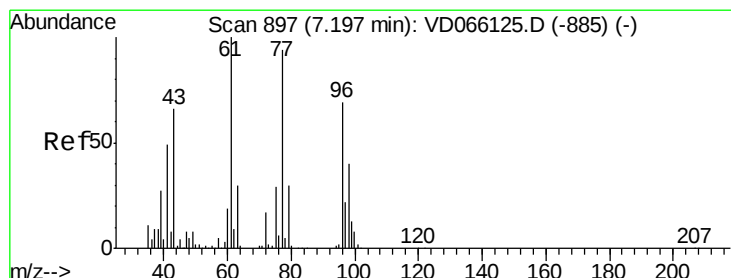
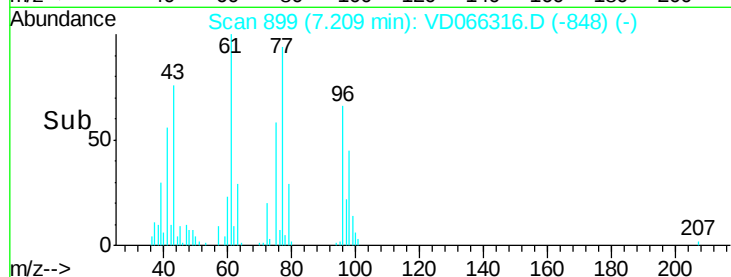
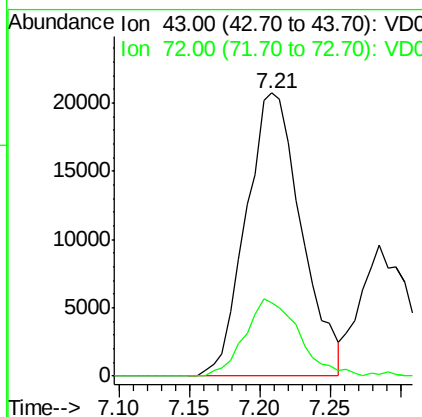
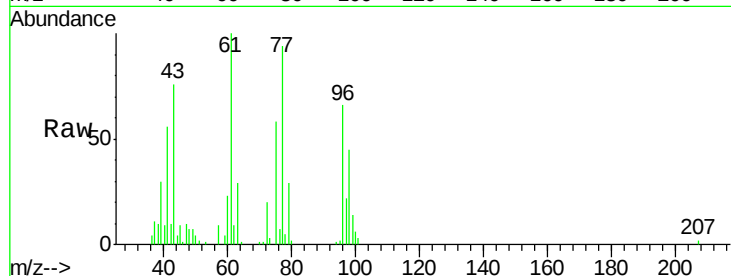
#25
 2-Butanone
 Concen: 88.826 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 43 Resp: 56971
 Ion Ratio Lower Upper
 43 100
 72 26.1 22.2 33.2

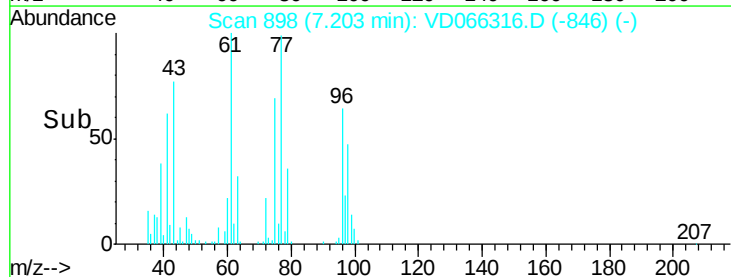
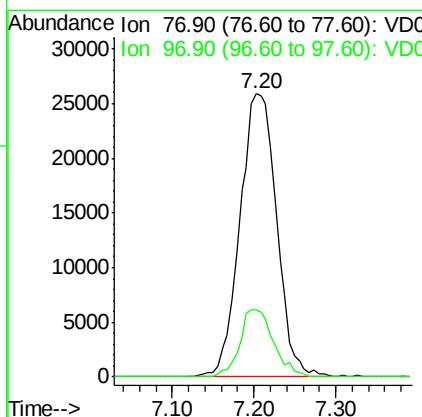
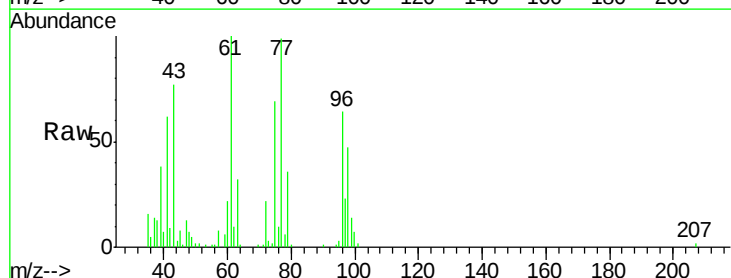
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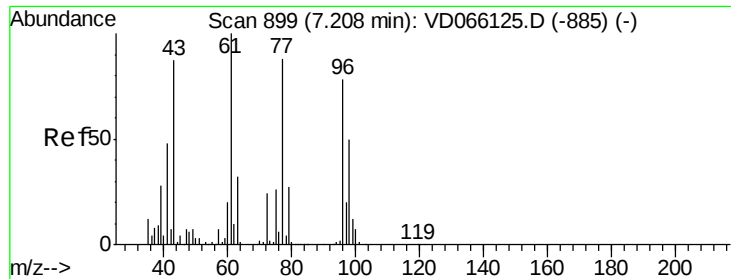
MMDadoda
 8/20/2020 3:36:54 PM



#26
 2,2-Dichloropropane
 Concen: 21.330 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 77 Resp: 80864
 Ion Ratio Lower Upper
 77 100
 97 21.8 11.8 35.3





#27

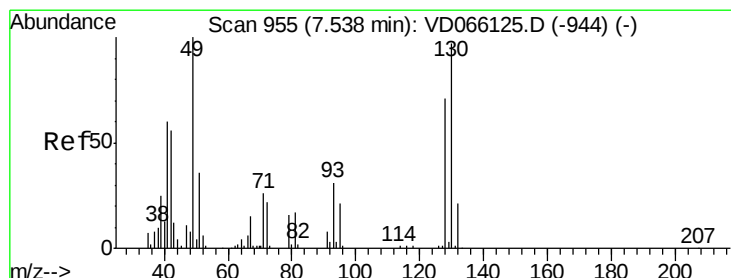
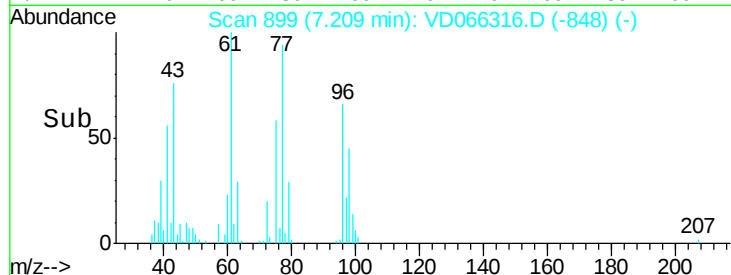
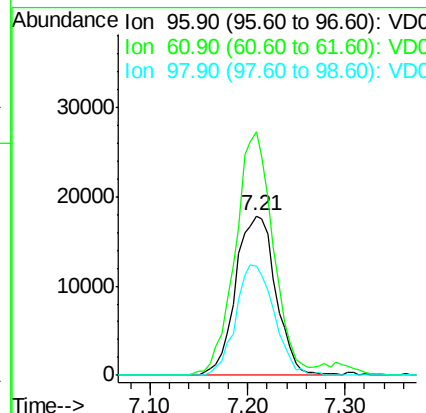
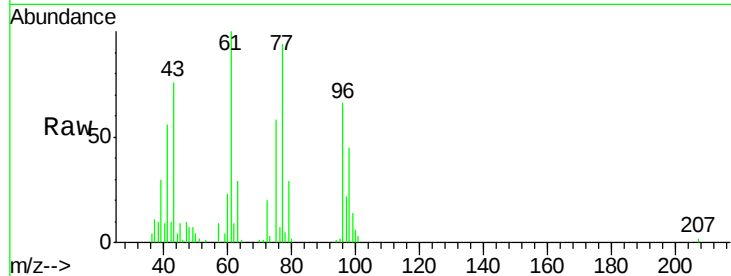
cis-1,2-Dichloroethene
Concen: 18.559 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	281.6
98	66.3	0.0	130.8

Manual Integrations
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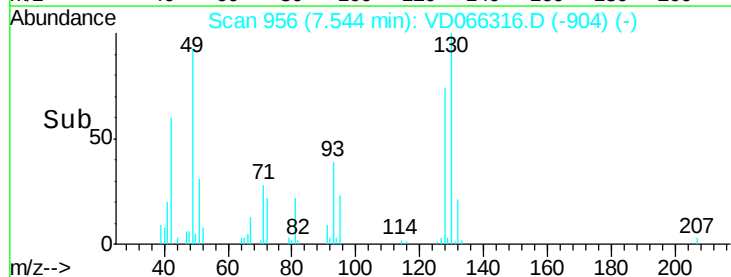
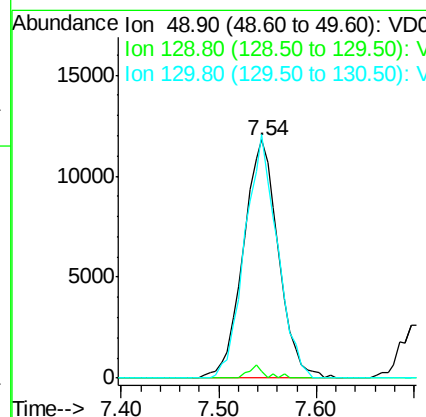
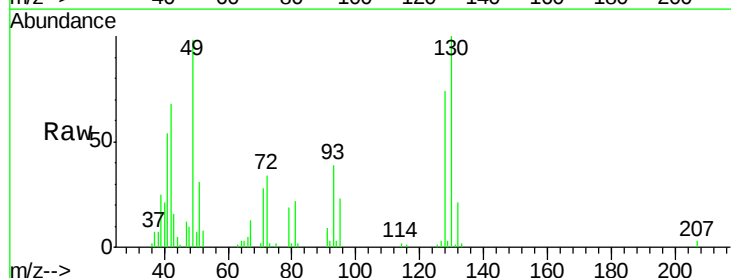
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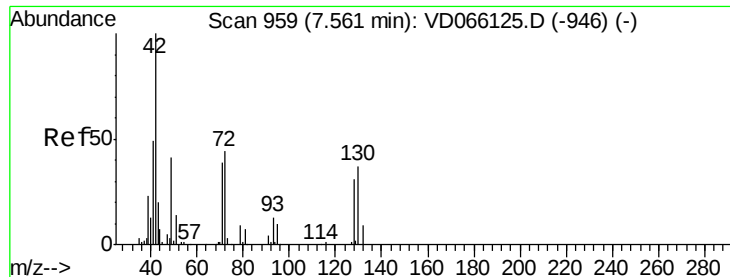


#28

Bromochloromethane
Concen: 20.005 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.0
130	94.5	73.8	110.6





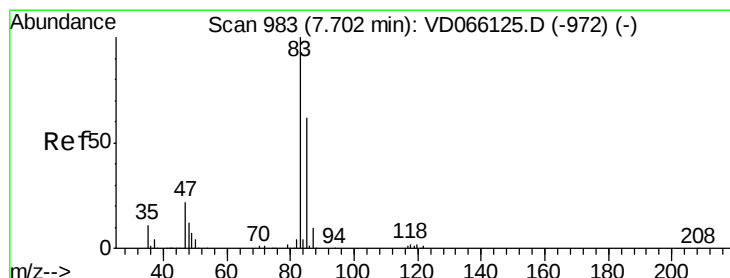
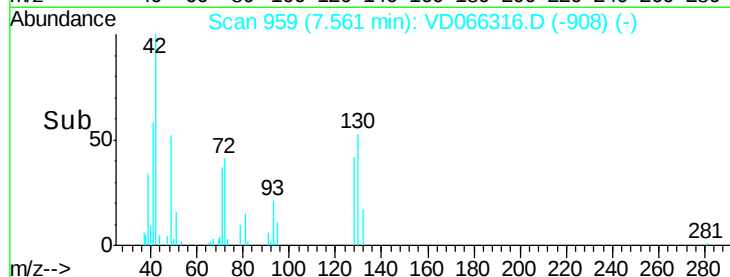
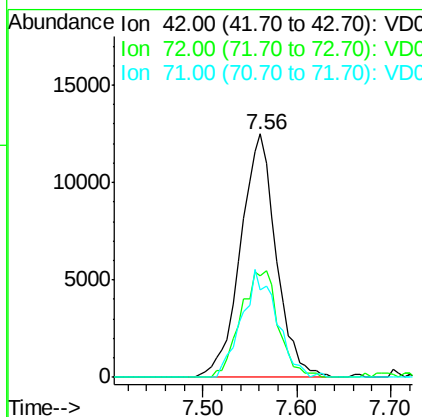
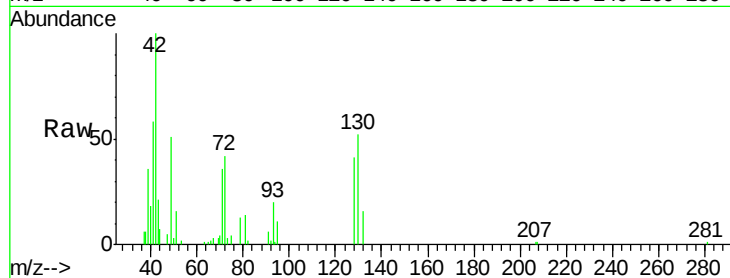
#29
Tetrahydrofuran
Concen: 82.300 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.8	52.2
71	43.4	33.5	50.3

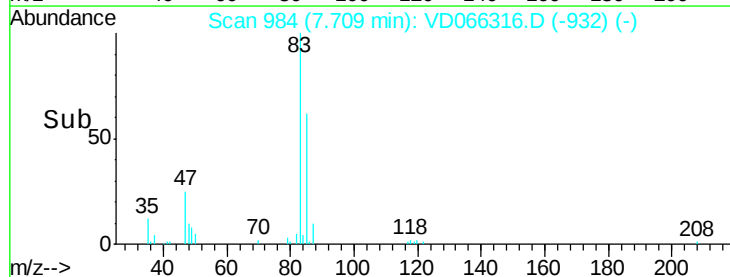
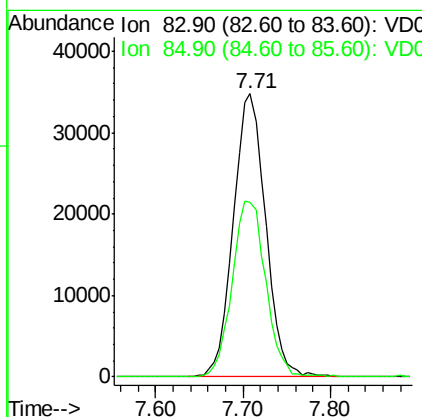
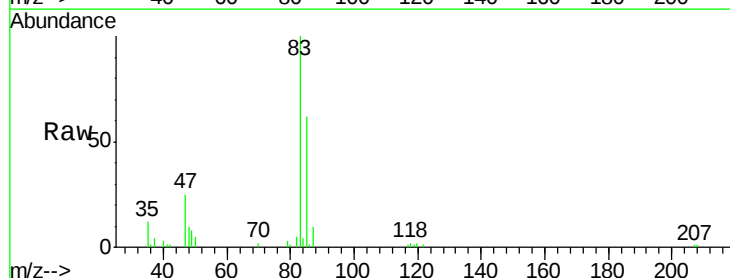
Manual Integrations
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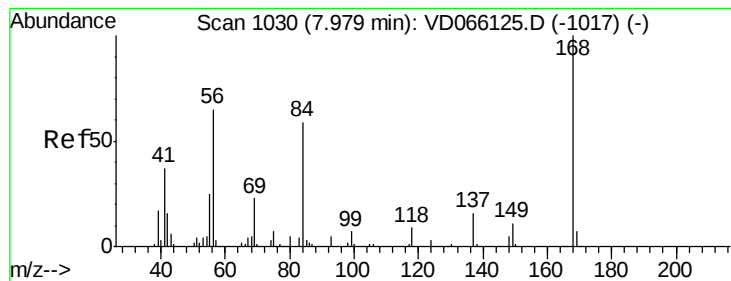
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#30
Chloroform
Concen: 19.535 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	49.5	74.3





#31

Cyclohexane

Concen: 17.549 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 56 Resp: 70659

Ion Ratio Lower Upper

56 100

69 41.7 28.8 43.2

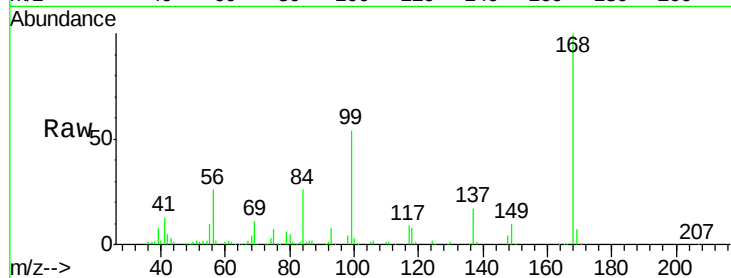
84 97.1 73.0 109.6

Manual Integrations

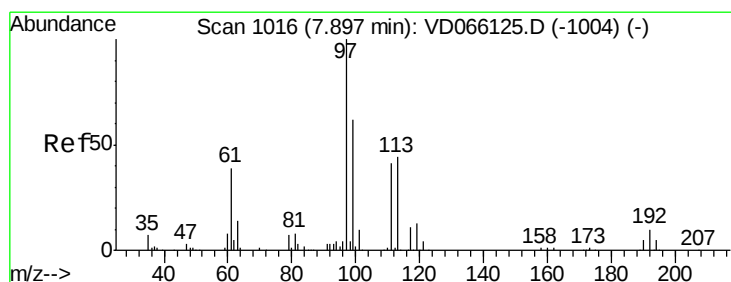
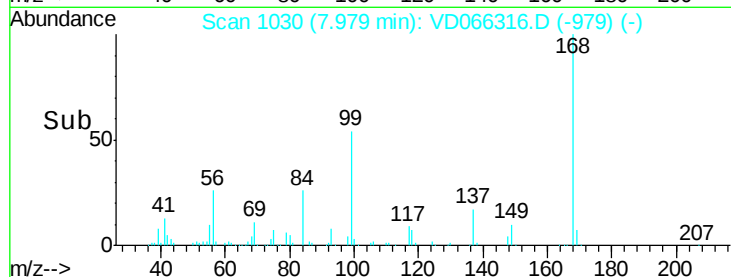
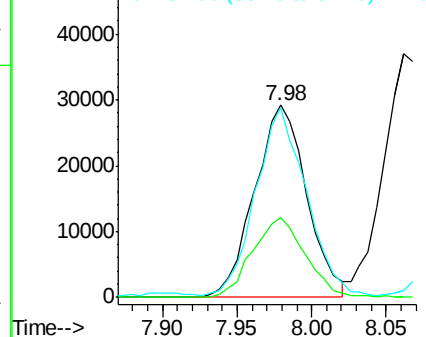
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.501 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

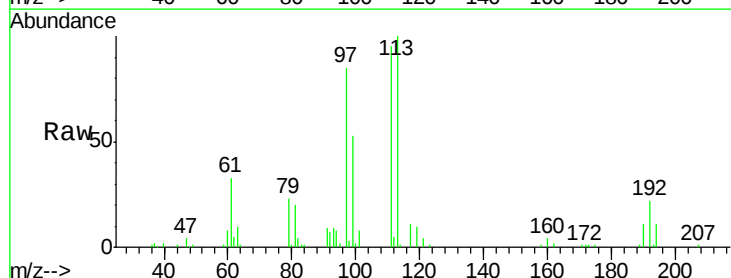
Tgt Ion: 97 Resp: 85372

Ion Ratio Lower Upper

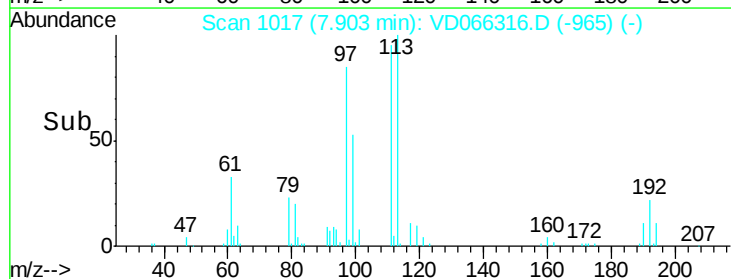
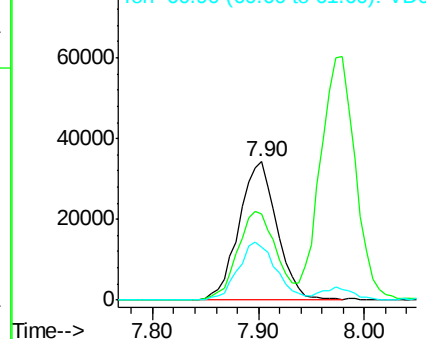
97 100

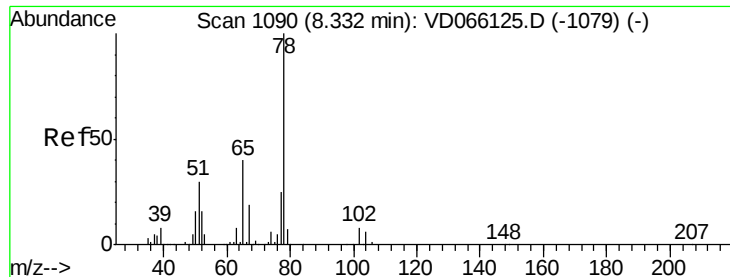
99 66.3 51.1 76.7

61 42.3 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





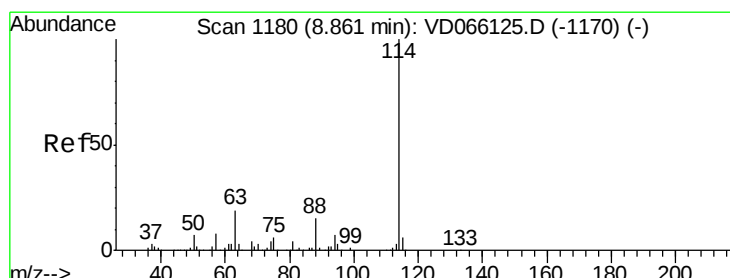
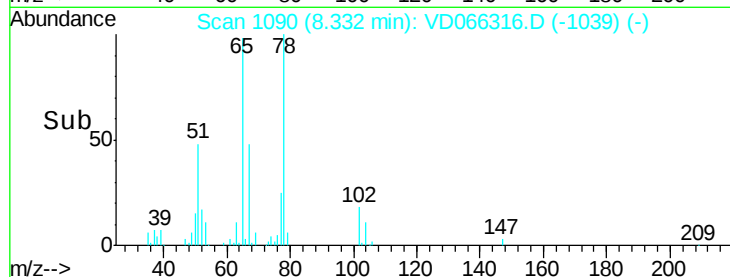
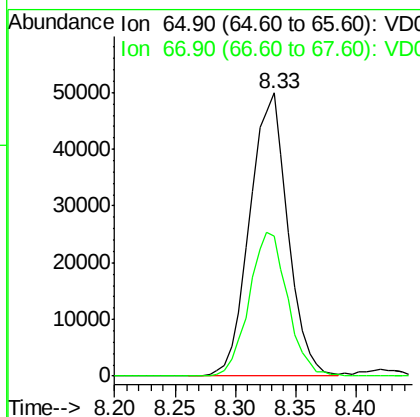
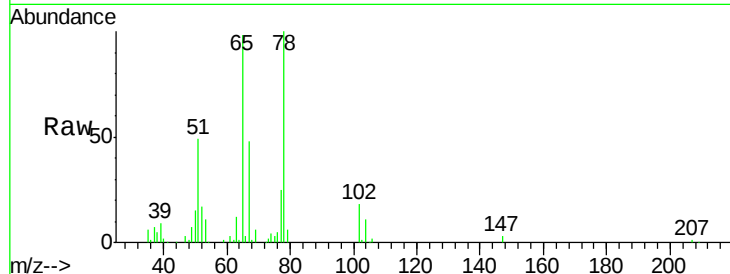
#33
 1,2-Dichloroethane-d4
 Concen: 47.878 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	104.6	

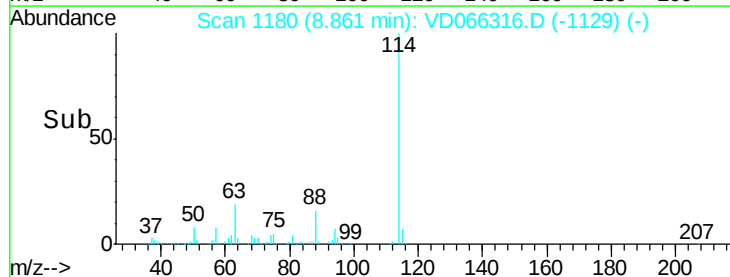
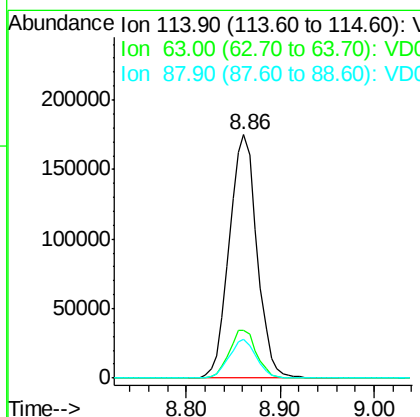
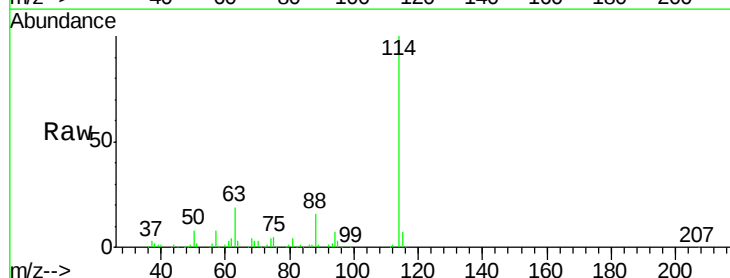
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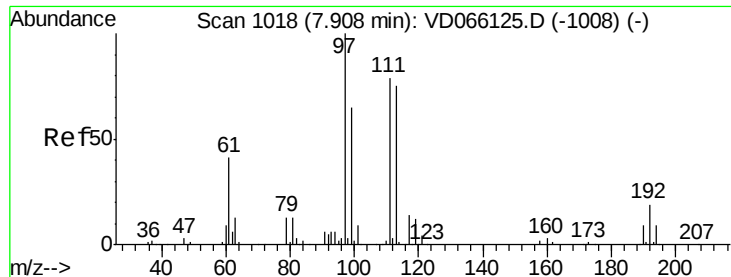
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.6	
88	16.2	0.0	30.0	





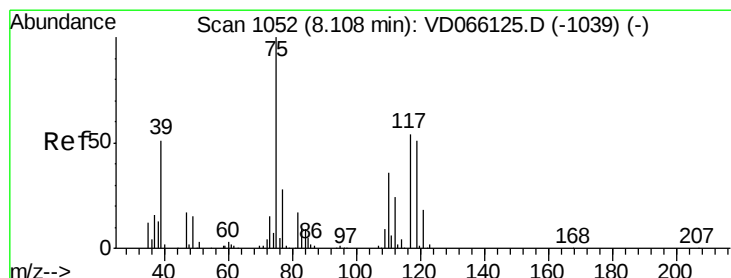
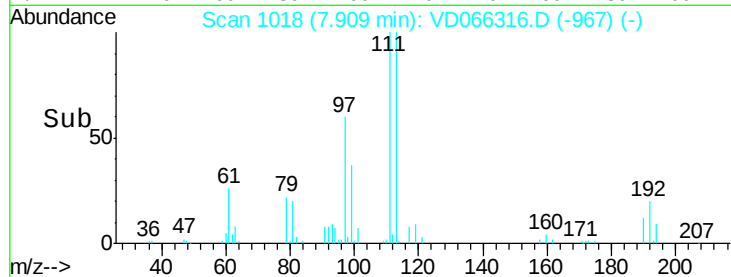
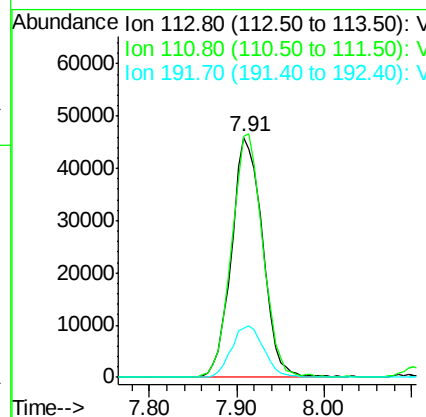
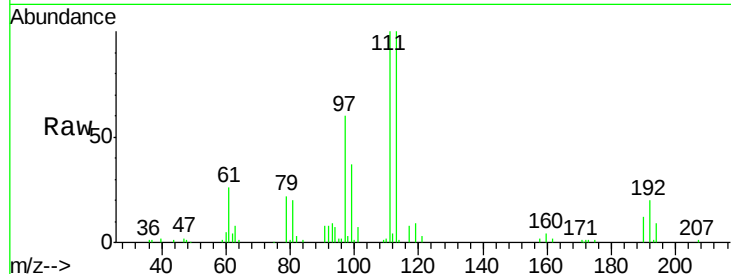
#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110591		
111	101.7	80.7	121.1	
192	22.2	18.4	27.6	

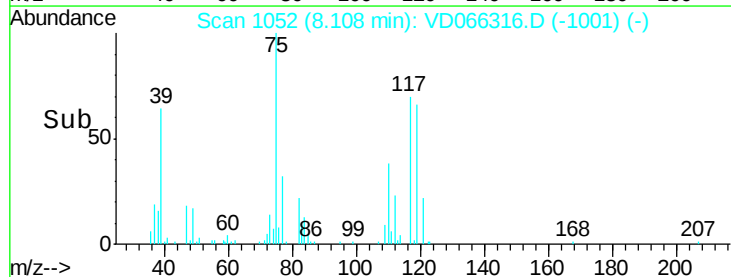
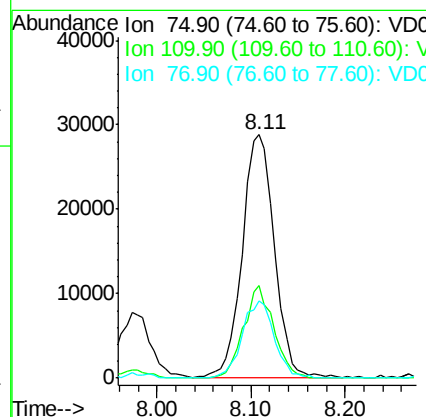
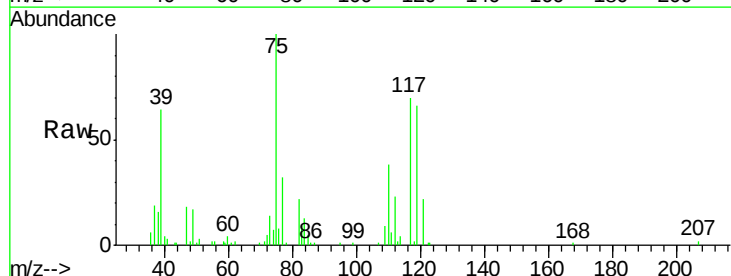
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 20.388 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68541		
110	35.5	18.8	56.3	
77	31.5	24.2	36.2	





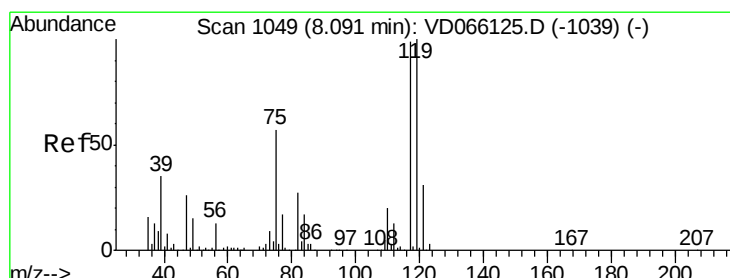
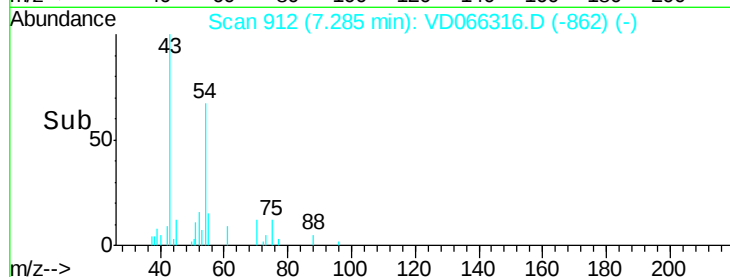
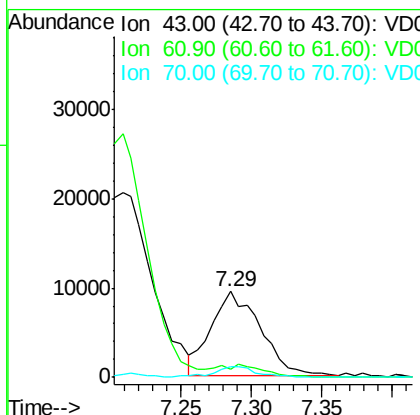
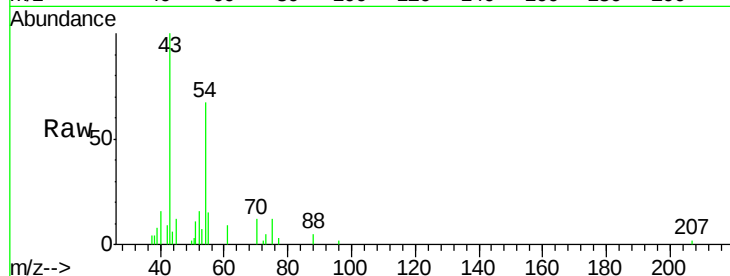
#37
Ethyl Acetate
Concen: 17.295 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	11.0	9.7	14.5

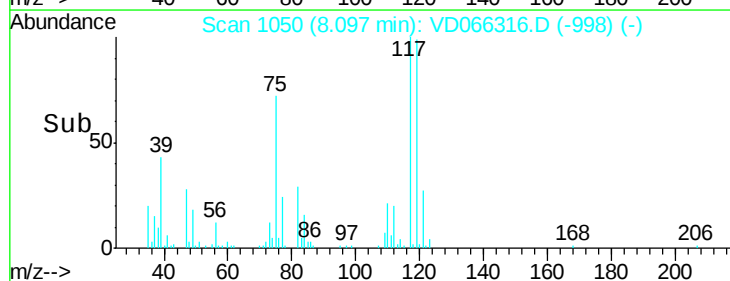
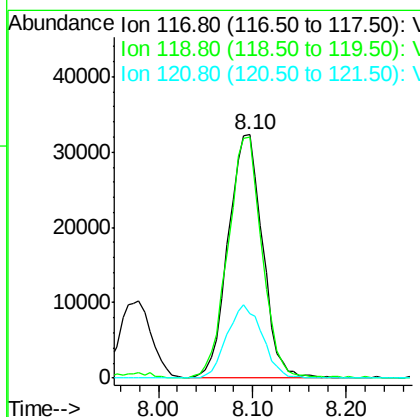
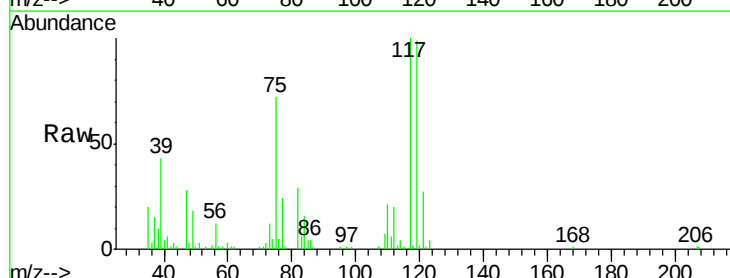
Manual Integrations
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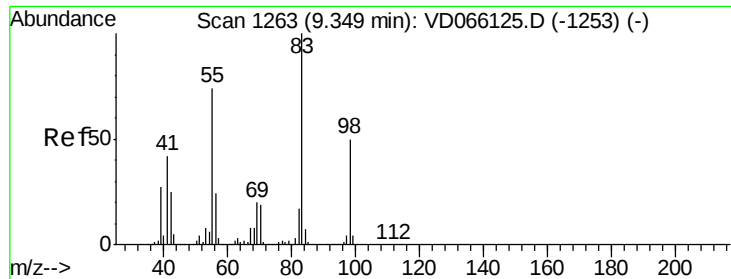
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#38
Carbon Tetrachloride
Concen: 21.816 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	81.0	121.4
121	26.5	24.8	37.2





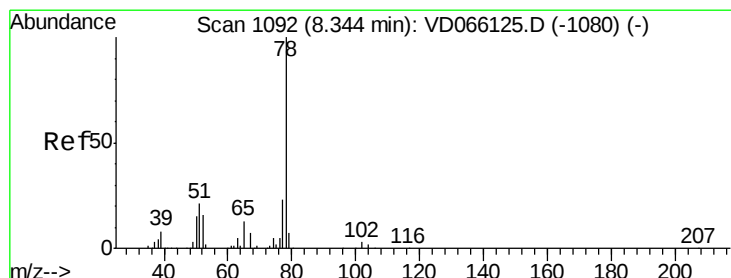
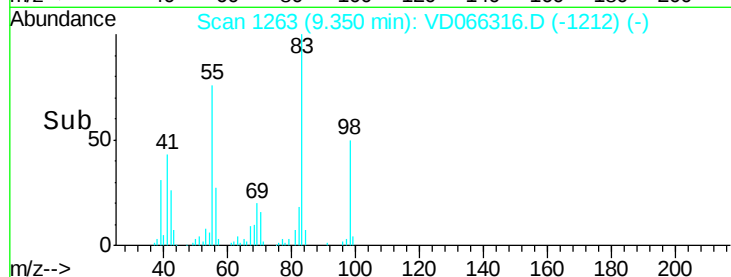
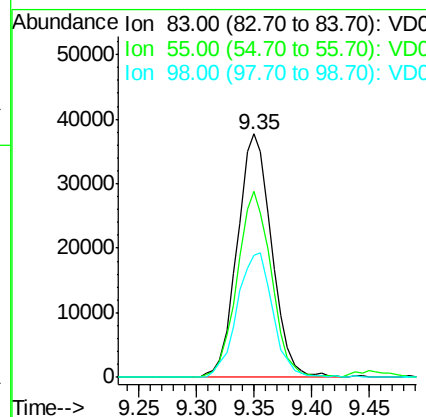
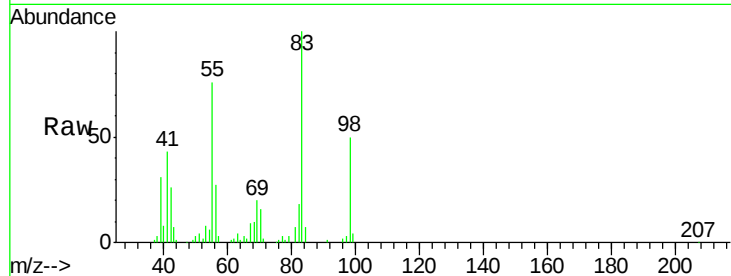
#39
Methvlcvclohexane
Concen: 19.159 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.2	88.8
98	50.2	39.8	59.6

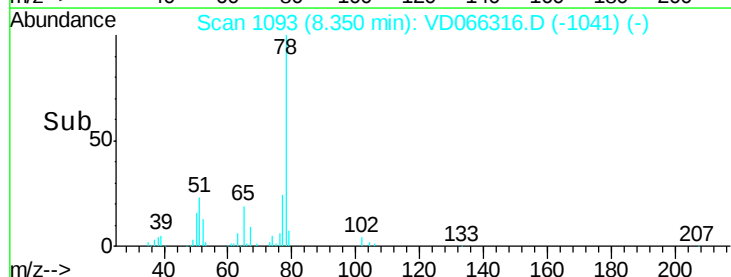
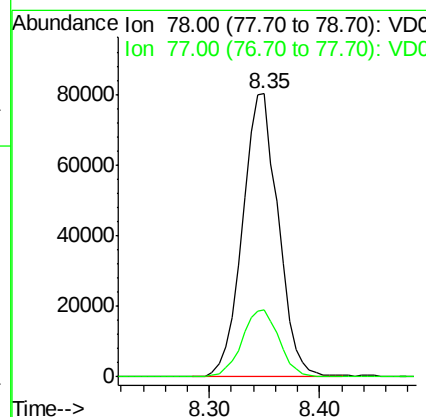
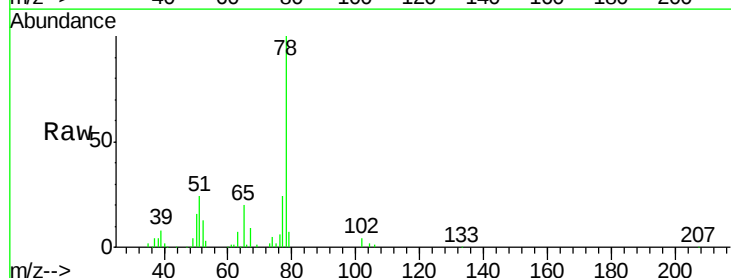
Manual Integrations
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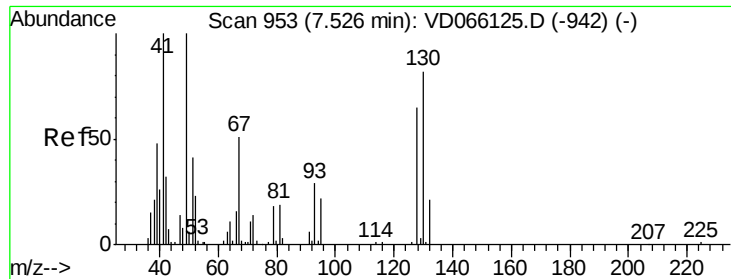
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#40
Benzene
Concen: 19.576 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8





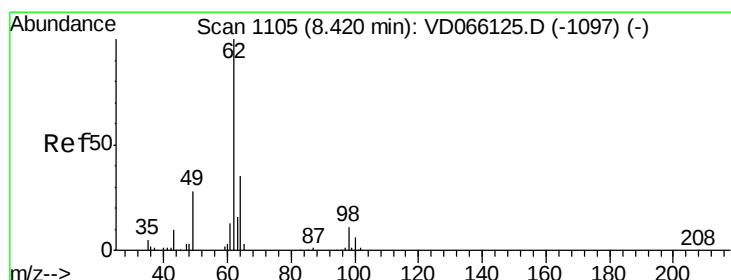
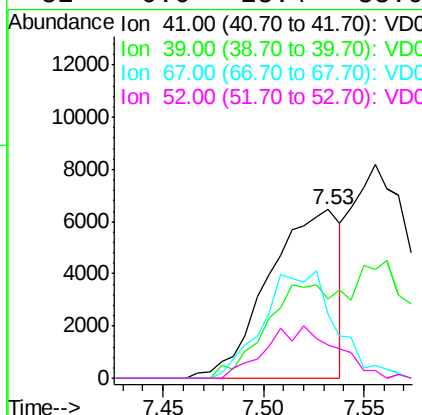
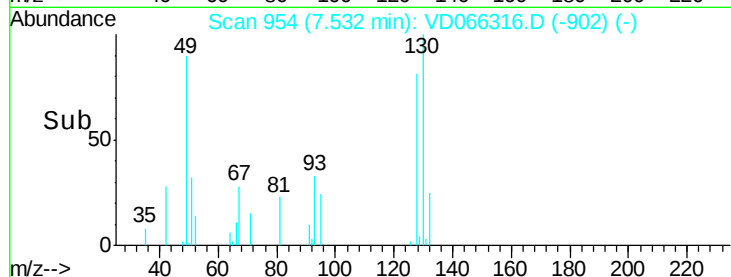
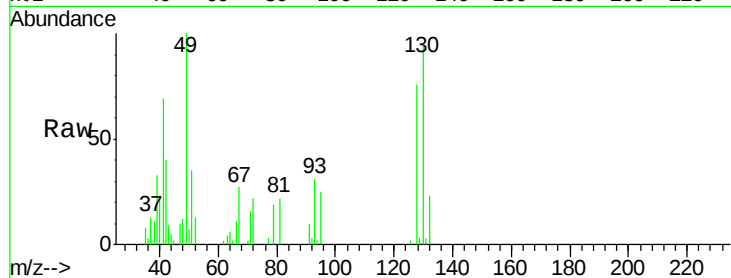
#41
Methacrylonitrile
Concen: 20.494 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.1	47.5	71.3
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

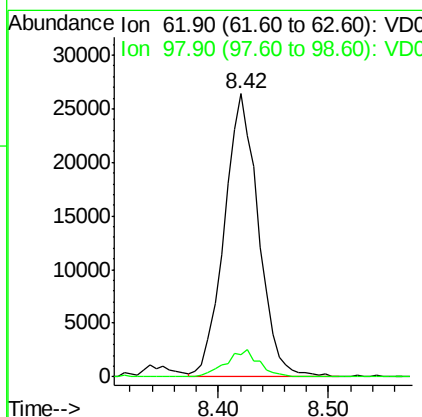
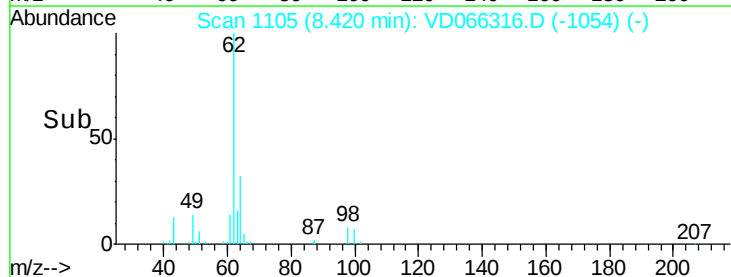
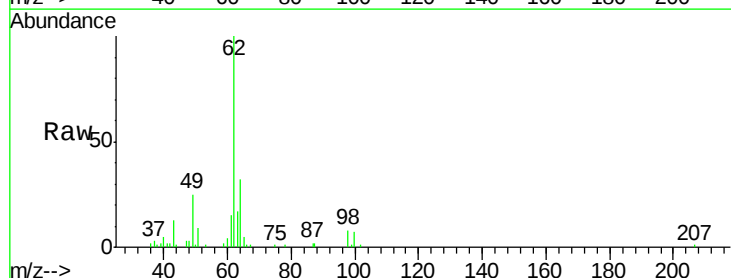
Manual Integrations
APPROVED

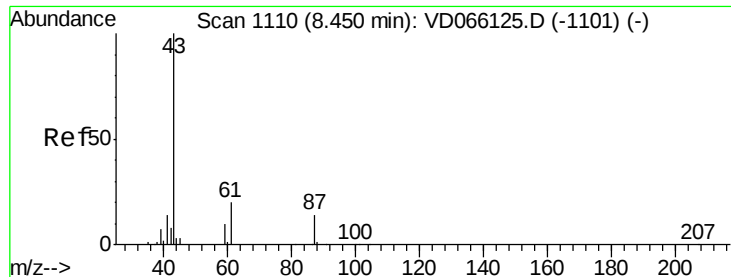
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.909 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 17.963 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

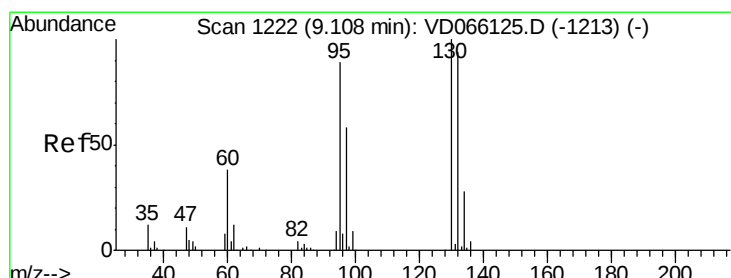
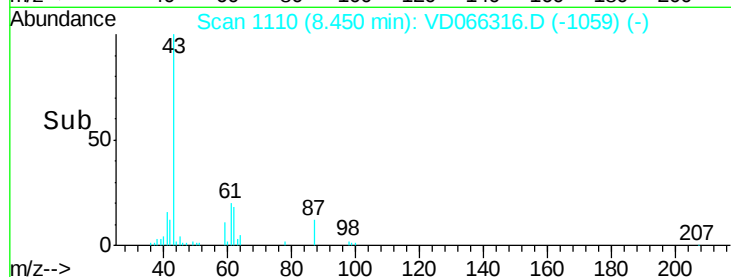
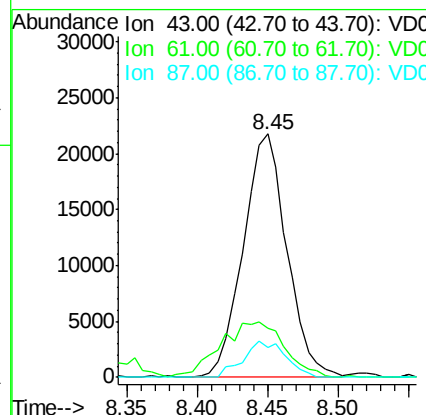
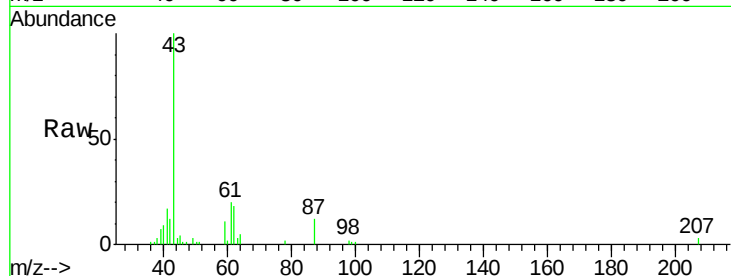
ClientSampleId :

VD0819SBS01

Tot Ion:	43	Resp:	47142
Ion Ratio	Lower	Upper	
43	100		
61	33.3	25.5	38.3
87	14.5	11.2	16.8

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#44

Trichloroethene

Concen: 20.901 ug/l

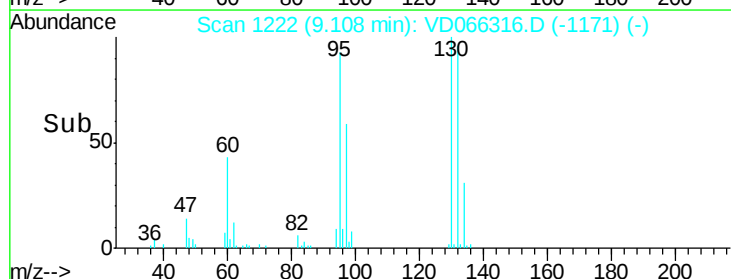
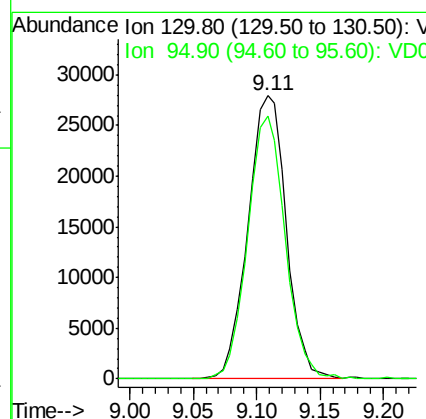
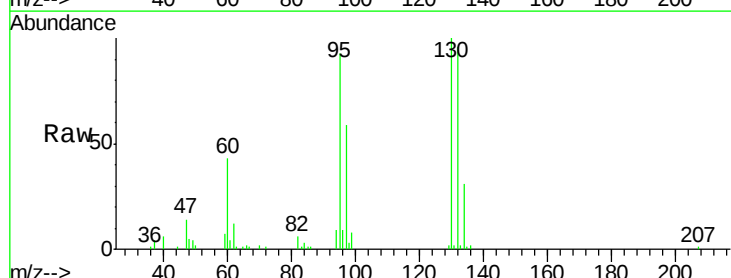
RT: 9.11 min Scan# 1222

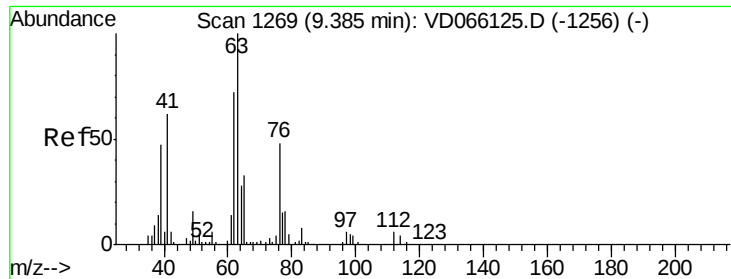
Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion:	130	Resp:	58737
Ion Ratio	Lower	Upper	
130	100		
95	92.8	0.0	178.4





#45

1,2-Dichloropropane

Concen: 18.517 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 63 Resp: 42235

Ion Ratio Lower Upper

63 100

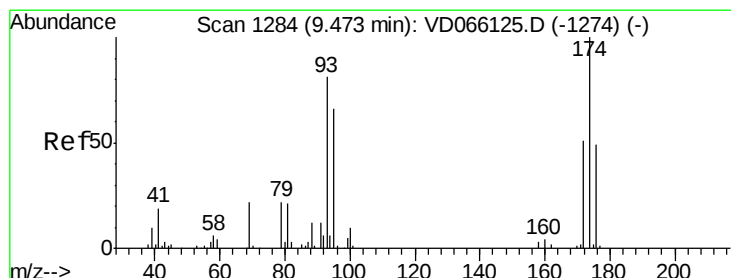
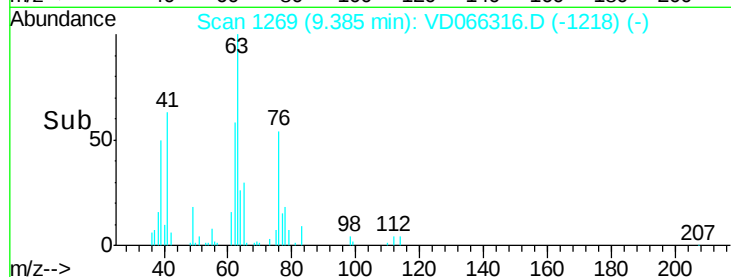
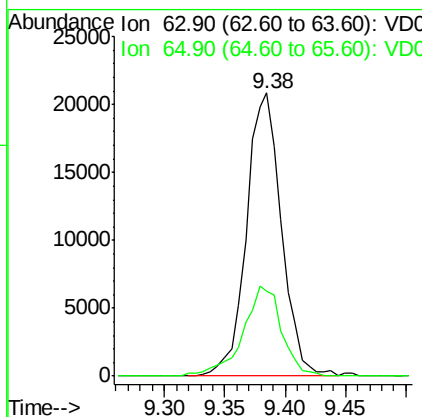
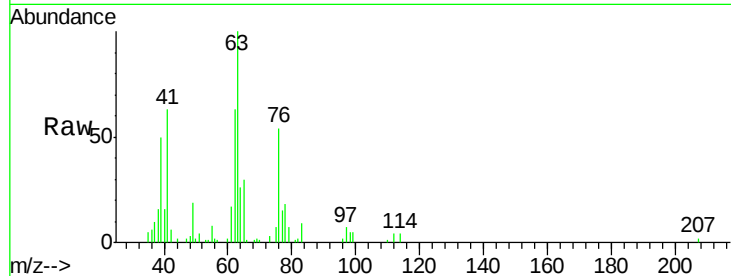
65 30.2 26.5 39.7

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#46

Dibromomethane

Concen: 19.371 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

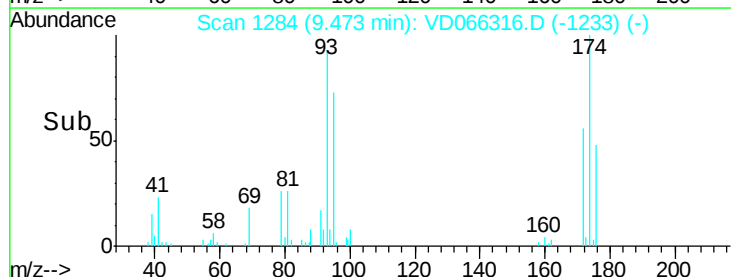
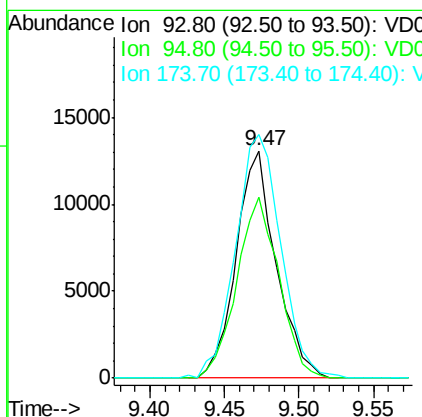
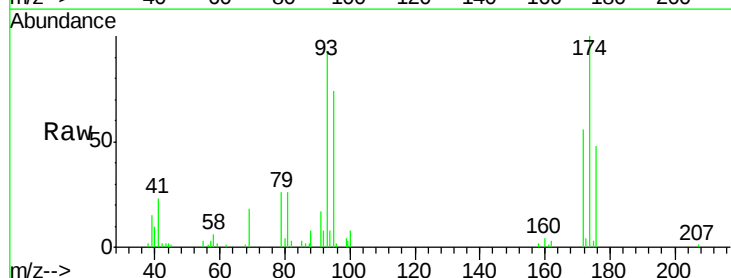
Tgt Ion: 93 Resp: 24337

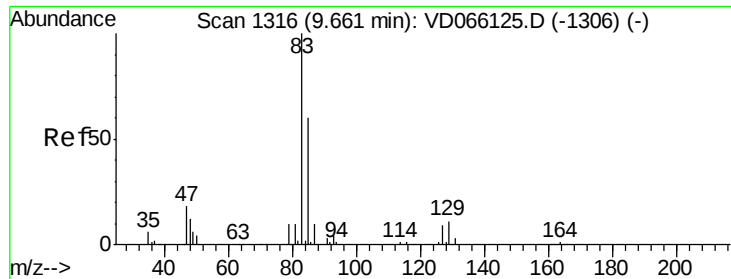
Ion Ratio Lower Upper

93 100

95 83.5 65.8 98.6

174 121.4 92.8 139.2





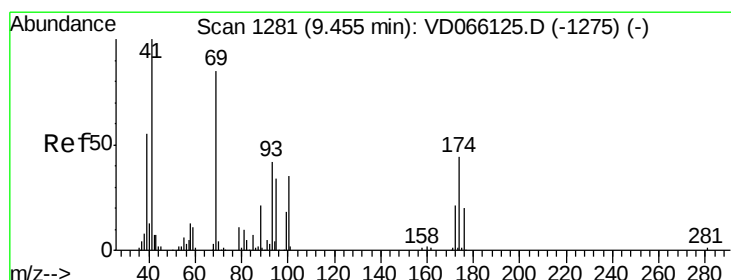
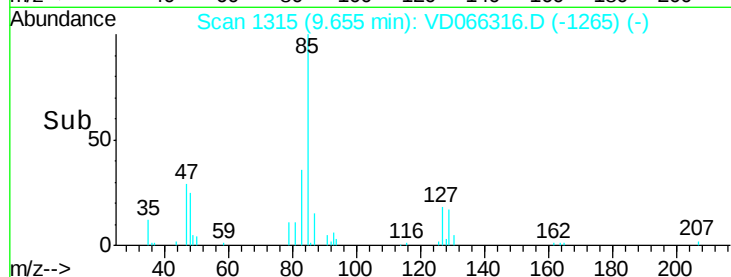
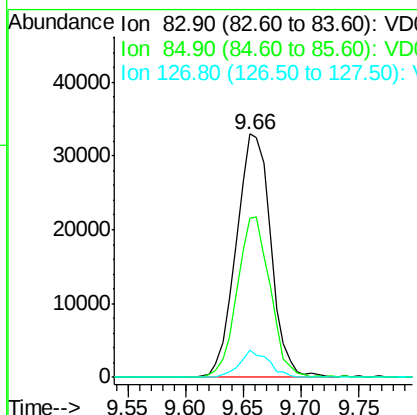
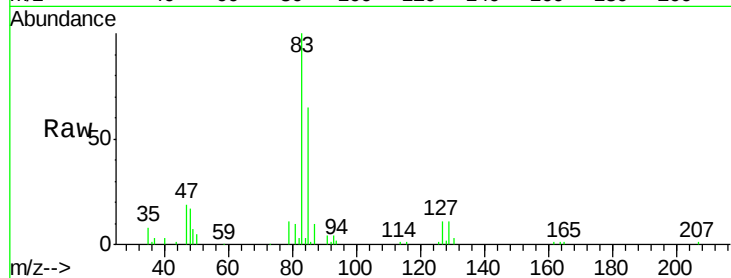
#47
Bromodichloromethane
Concen: 20.624 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	68483		
85	65.3	48.2	72.4	
127	11.4	7.3	10.9#	

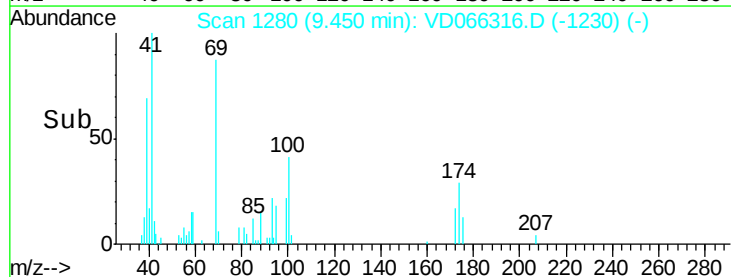
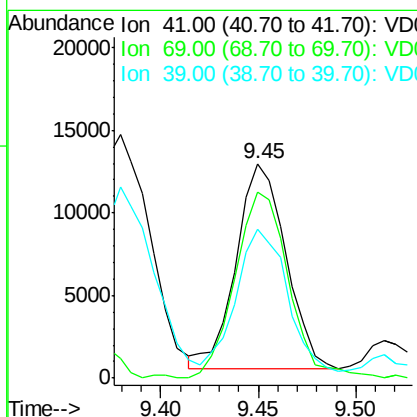
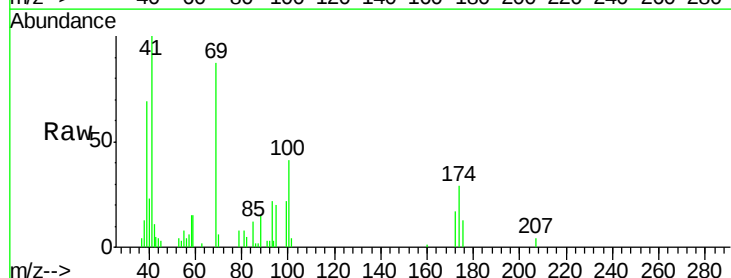
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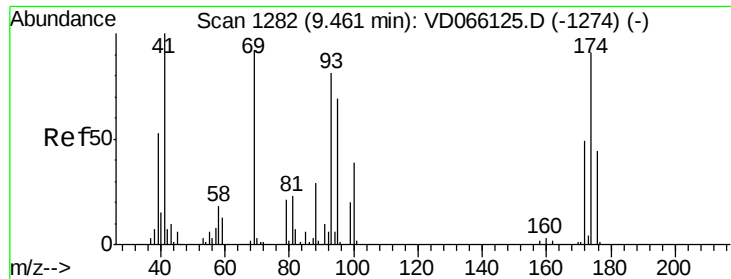
MMDadoda
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#48
Methyl methacrylate
Concen: 16.328 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	21881		
69	97.8	63.9	95.9#	
39	70.5	42.6	64.0#	





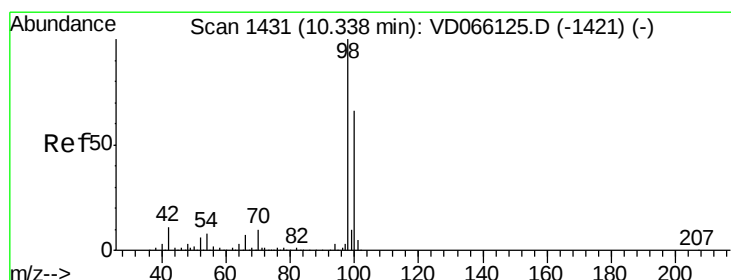
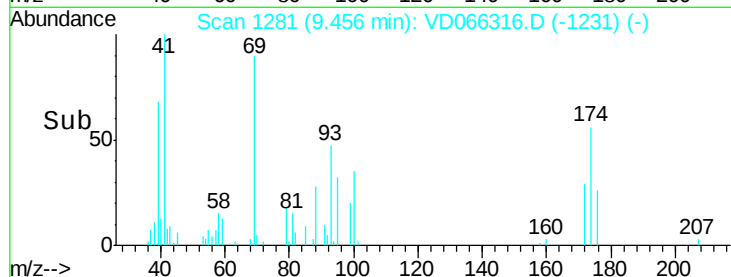
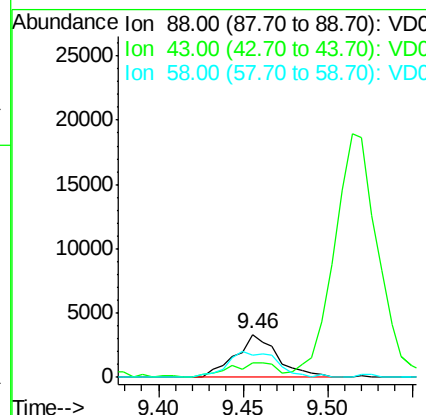
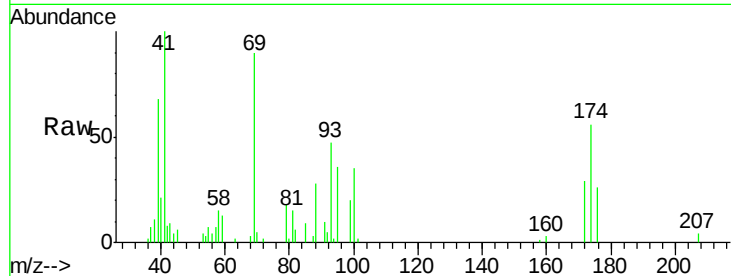
#49
1,4-Dioxane
Concen: 356.610 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.5	41.3
58	71.1	50.2	75.4

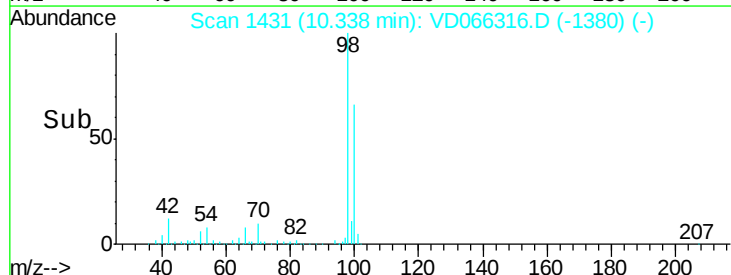
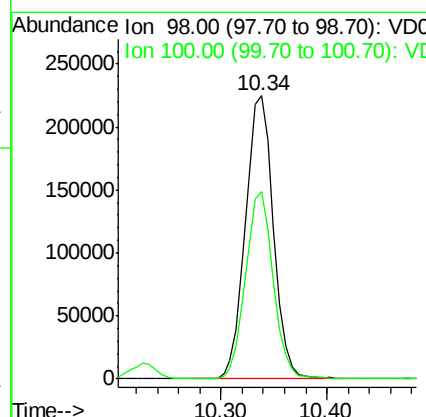
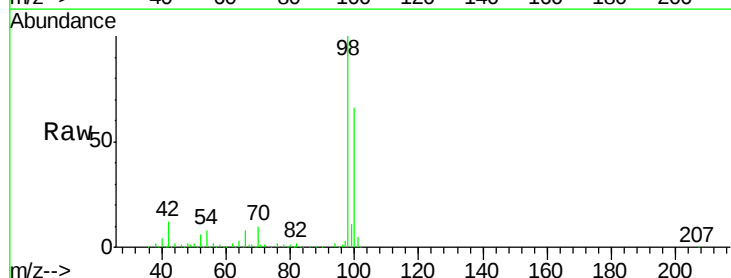
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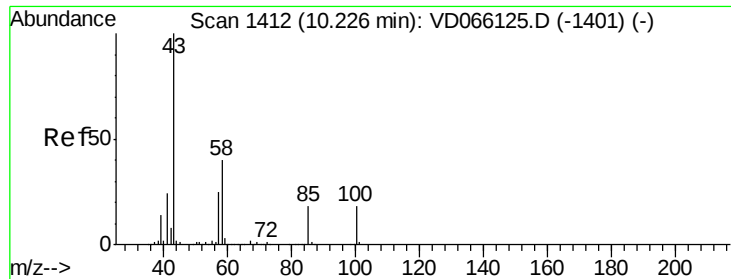
MMDadoda
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#50
Toluene-d8
Concen: 49.378 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 87.871 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 43 Resp: 118453

Ion Ratio Lower Upper

43 100

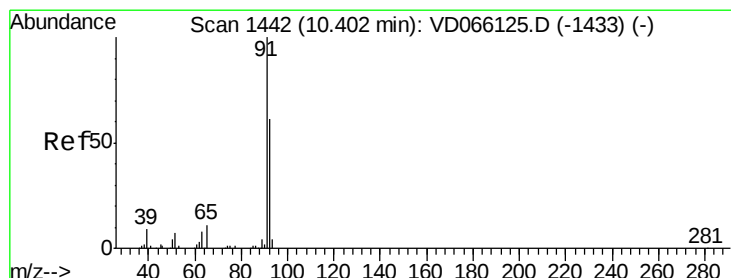
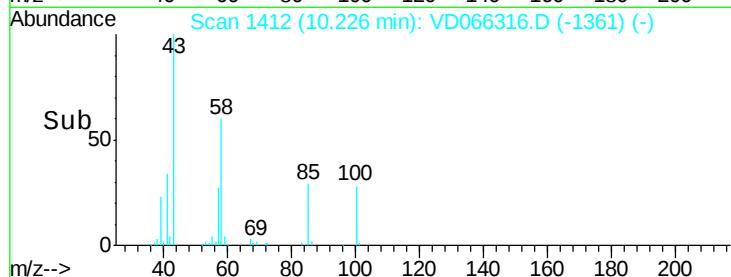
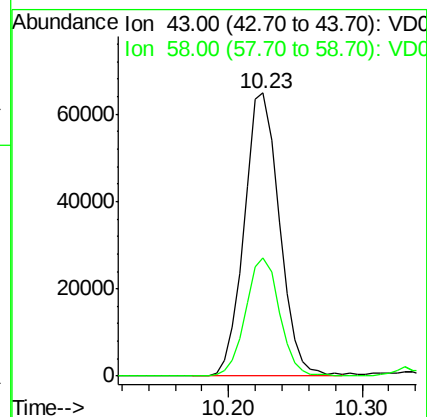
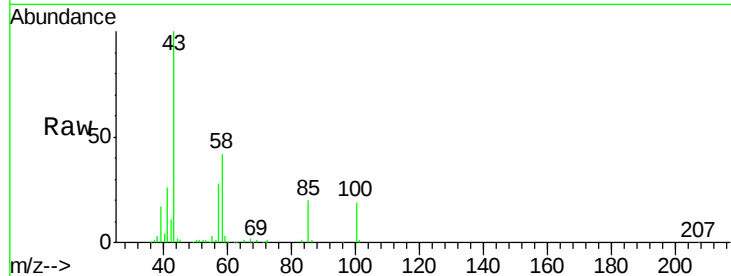
58 39.9 31.1 46.7

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#52

Toluene

Concen: 19.738 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066316.D

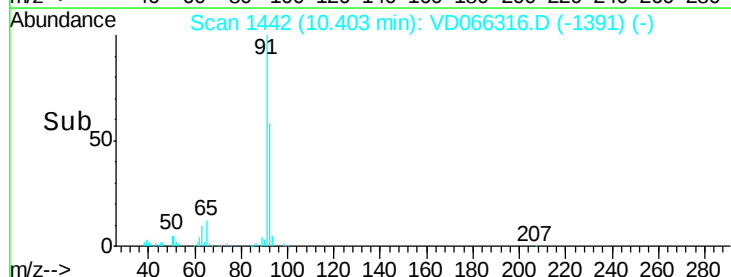
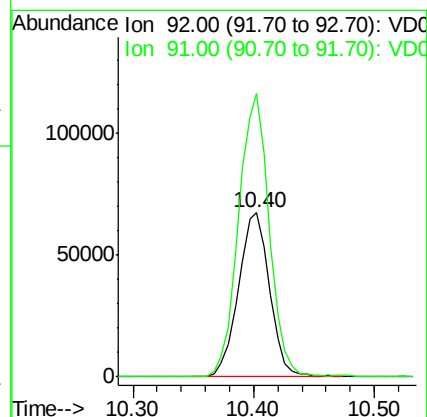
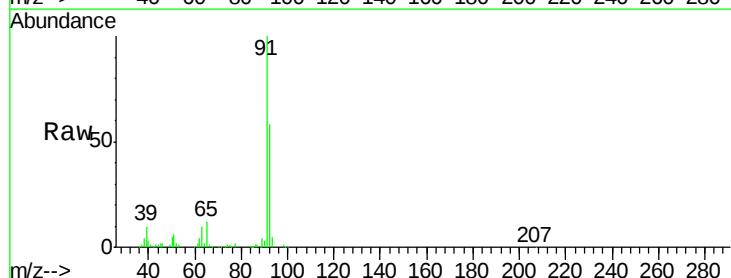
Acq: 19 Aug 2020 14:05

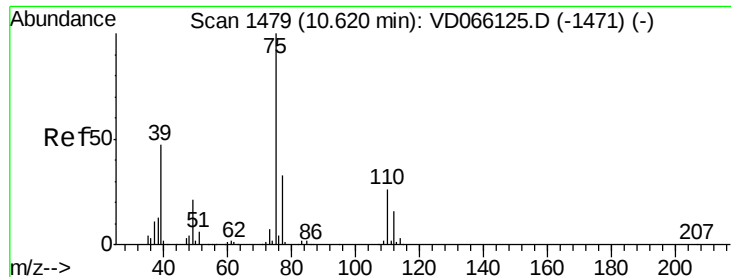
Tgt Ion: 92 Resp: 121122

Ion Ratio Lower Upper

92 100

91 169.9 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 20.128 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion: 75 Resp: 63426

Ion Ratio Lower Upper

75 100

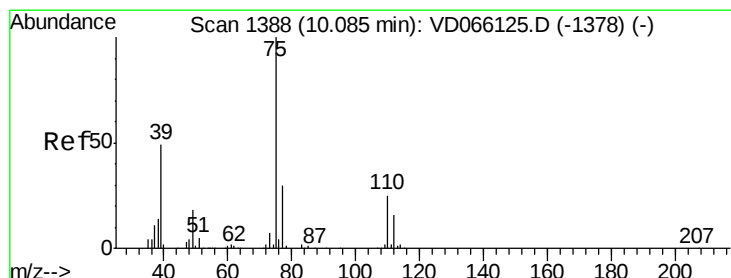
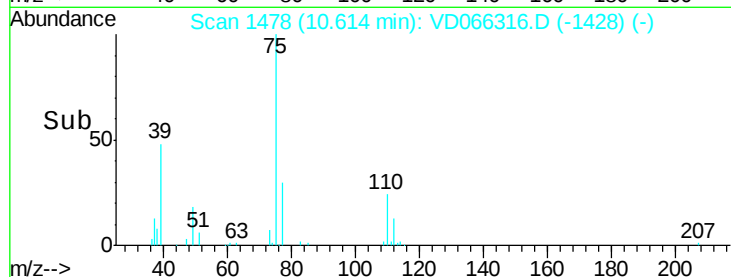
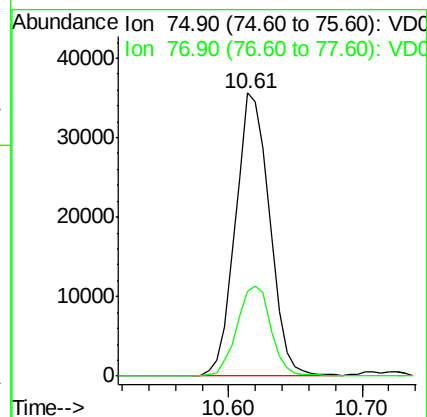
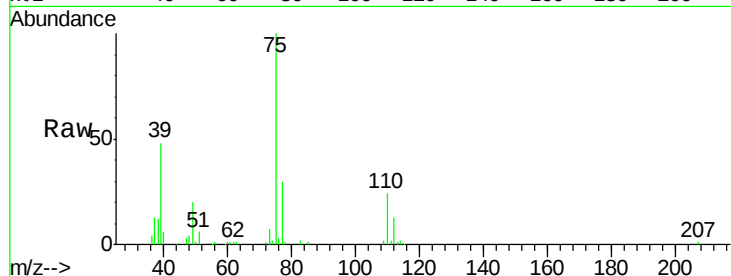
77 30.2 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 19.058 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

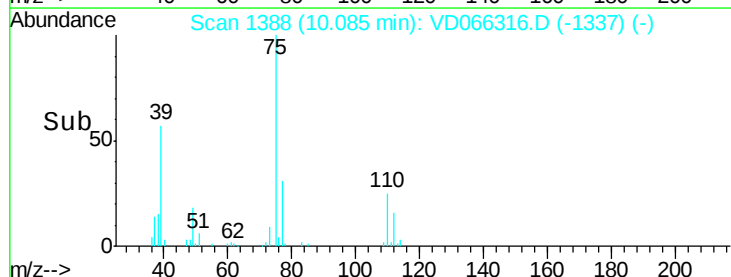
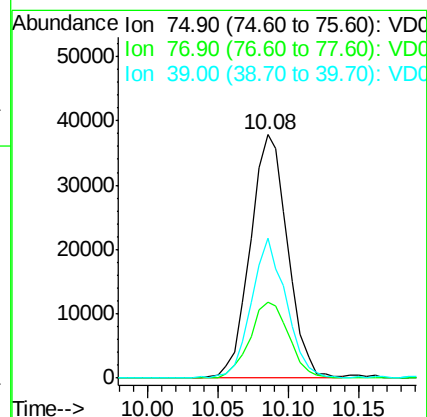
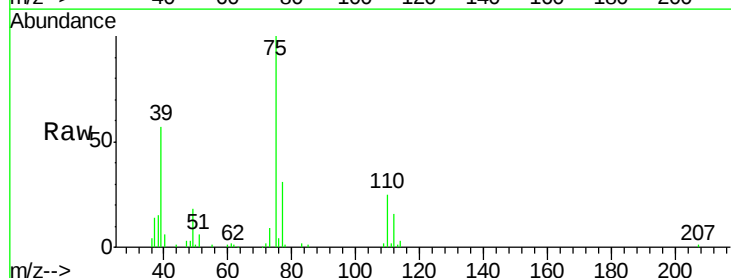
Tgt Ion: 75 Resp: 70362

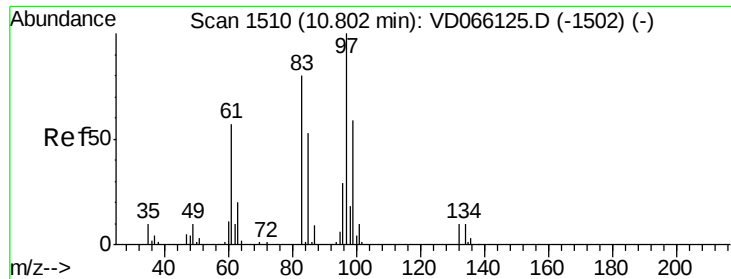
Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

39 57.3 39.3 58.9





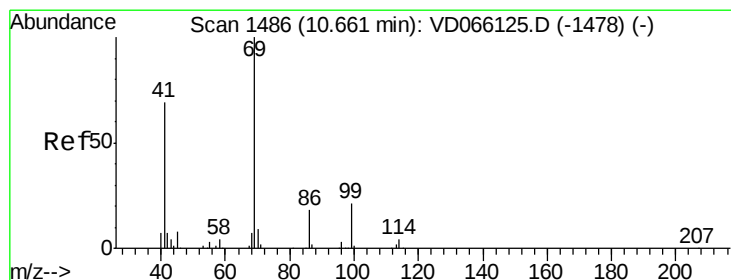
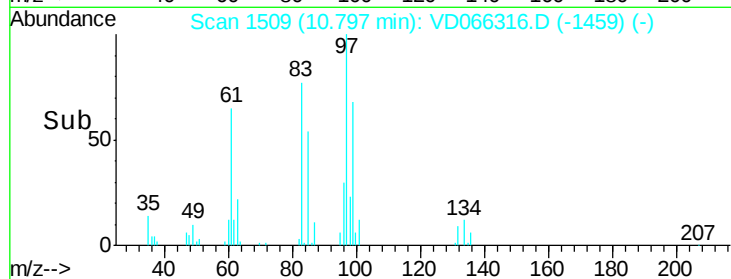
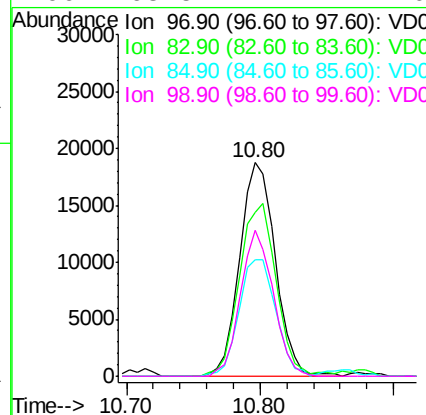
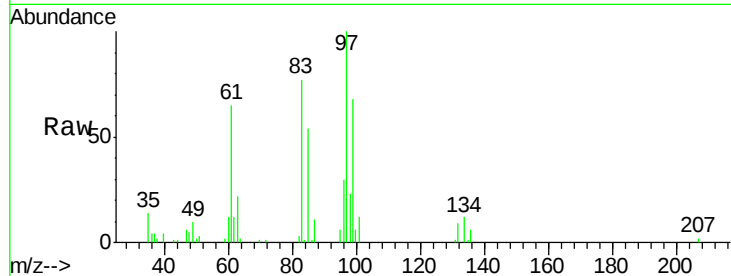
#55
 1,1,2-Trichloroethane
 Concen: 19.139 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion:	97	Resp:	34624
Ion	Ratio	Lower	Upper
97	100		
83	76.7	63.9	95.9
85	54.3	42.5	63.7
99	68.5	47.4	71.0

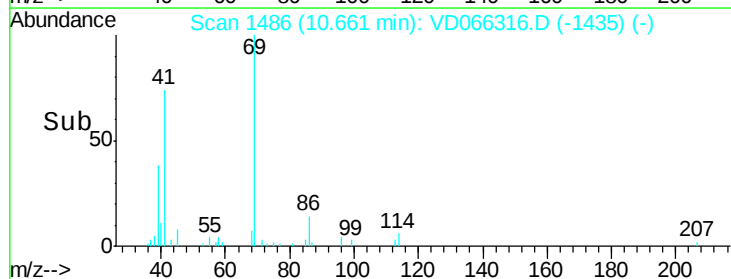
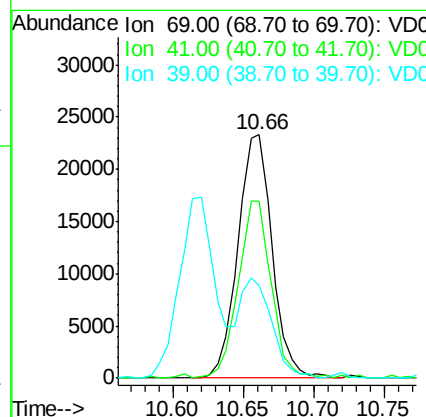
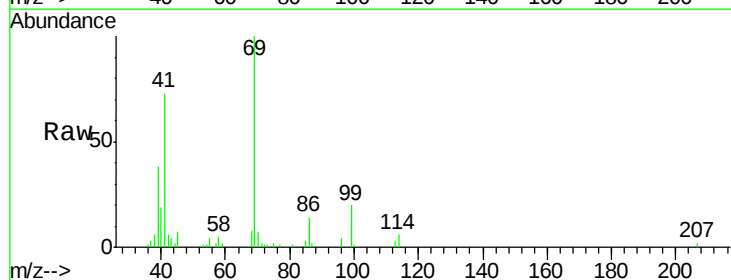
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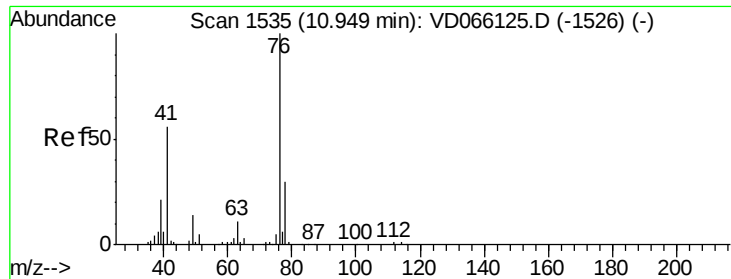
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#56
 Ethyl methacrylate
 Concen: 18.244 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion:	69	Resp:	39649
Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.1	81.1
39	40.8	28.6	43.0





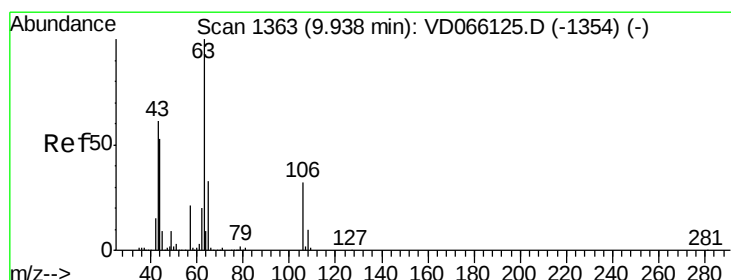
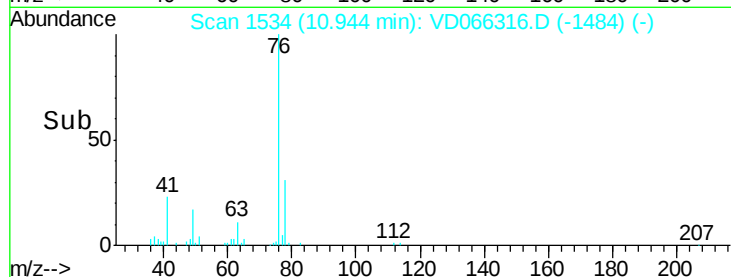
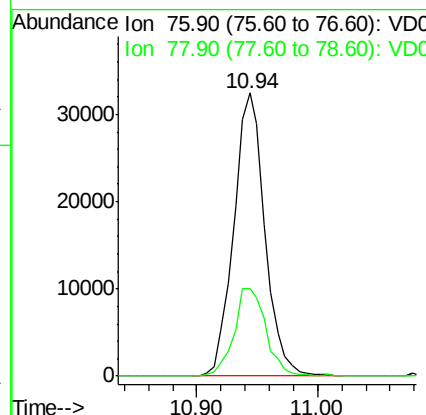
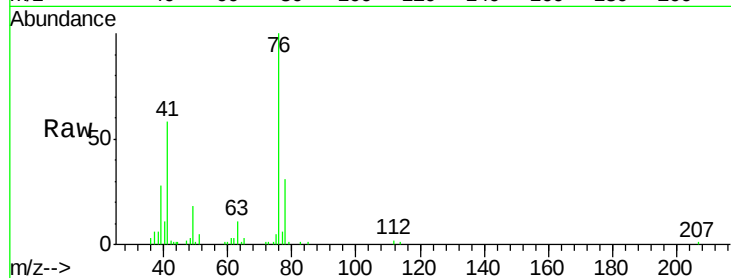
#57
 1,3-Dichloropropane
 Concen: 19.304 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion: 76 Resp: 57977
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

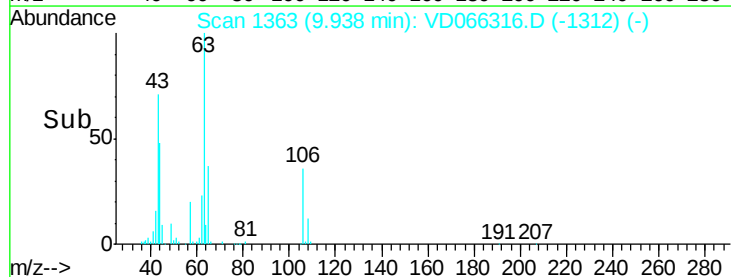
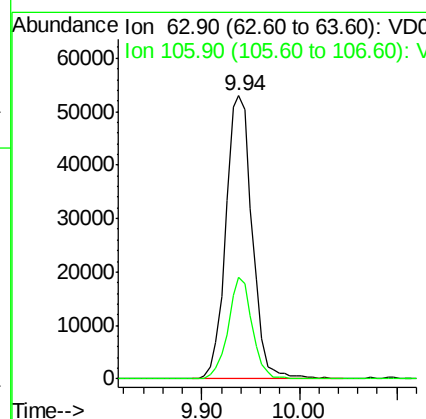
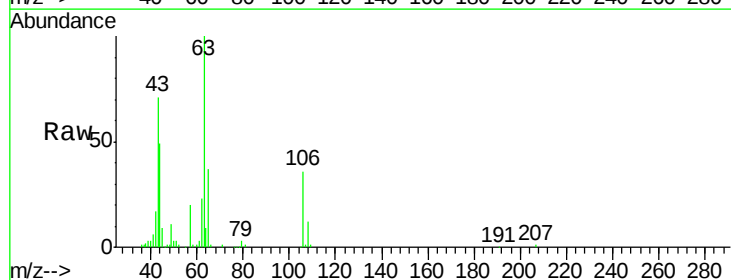
Manual Integrations
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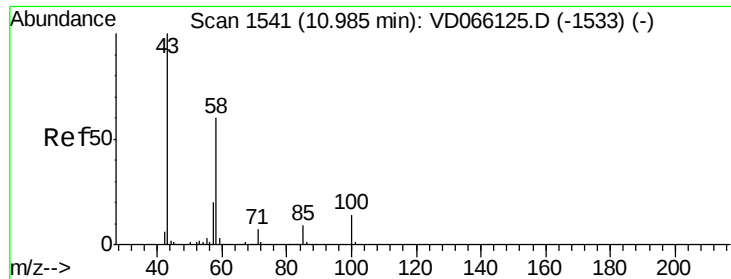
MMDadoda
 8/20/2020 3:36:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.658 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion: 63 Resp: 98398
 Ion Ratio Lower Upper
 63 100
 106 32.9 25.3 37.9





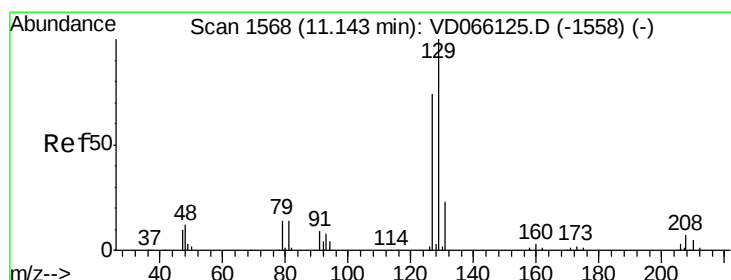
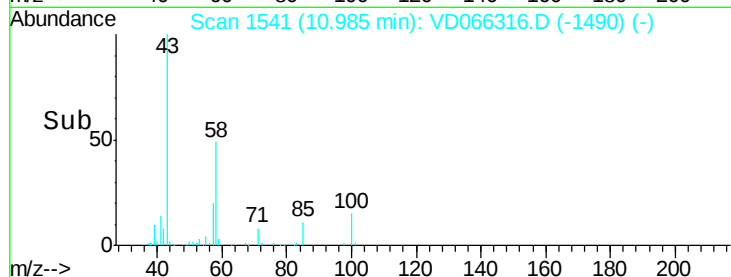
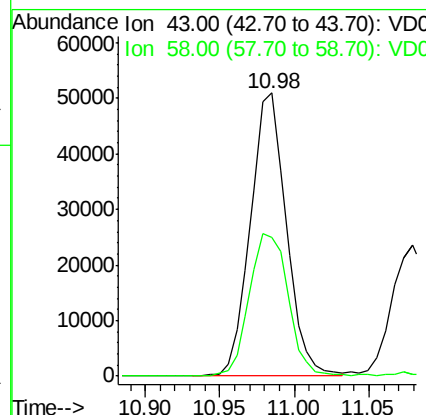
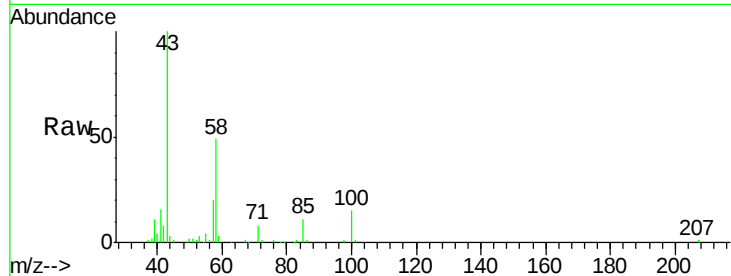
#59
2-Hexanone
Concen: 89.617 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion: 43 Resp: 84784
Ion Ratio Lower Upper
43 100
58 54.2 27.8 83.4

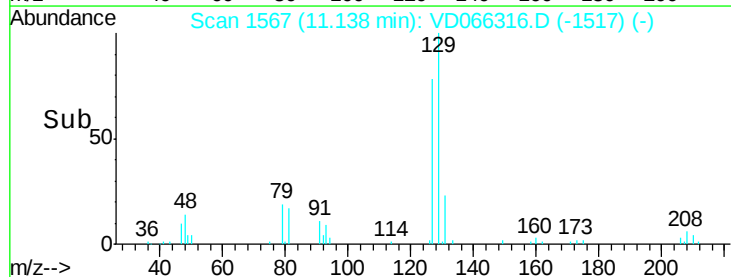
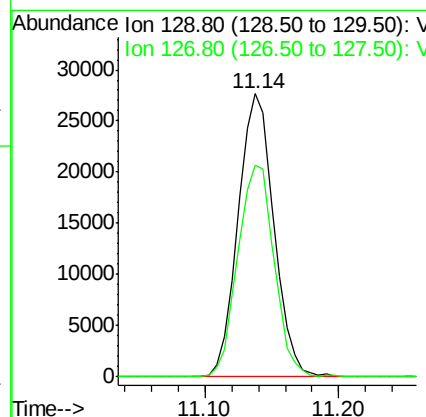
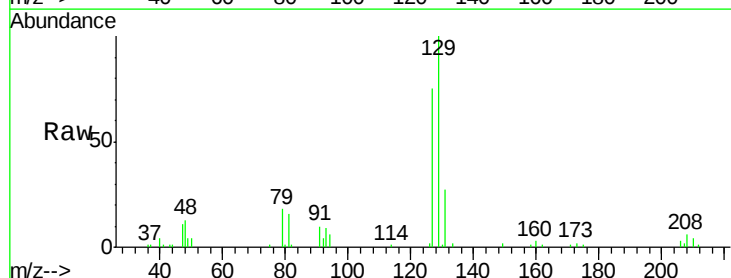
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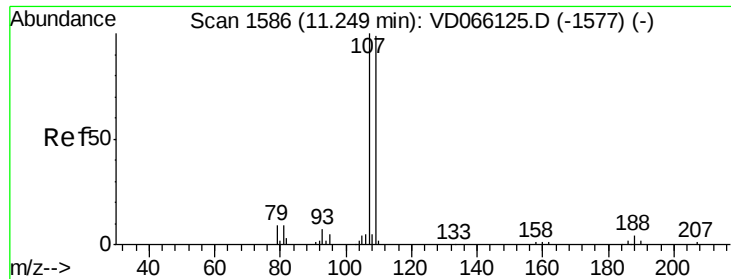
MMDadoda
8/20/2020 3:36:54 PM



#60
Dibromochloromethane
Concen: 20.574 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion: 129 Resp: 51385
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1





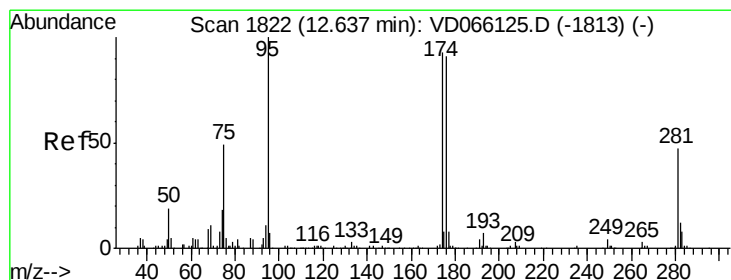
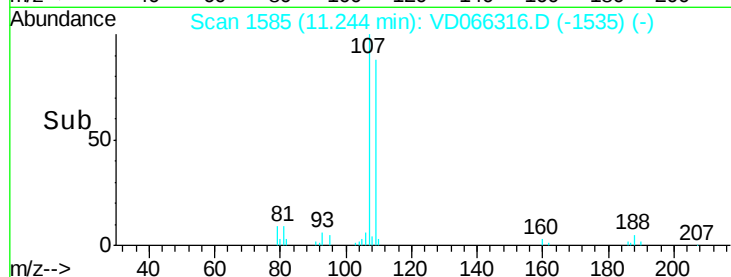
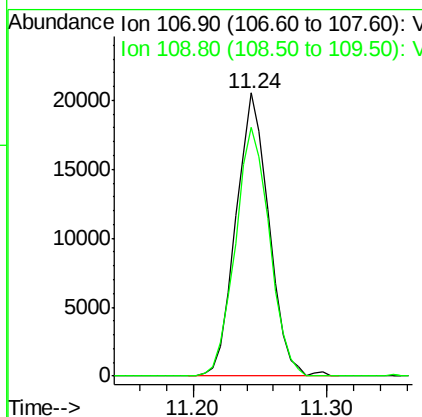
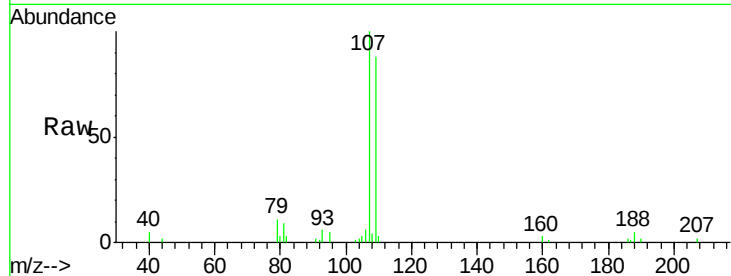
#61
 1,2-Dibromoethane
 Concen: 20.165 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	76.5	114.7

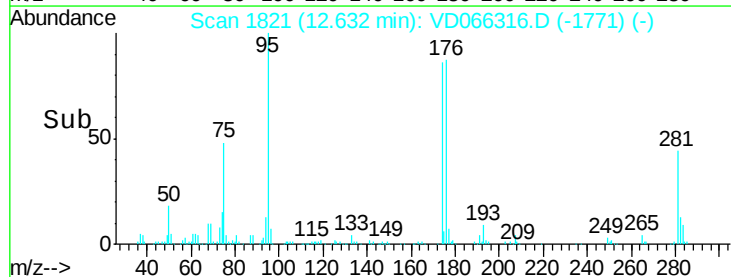
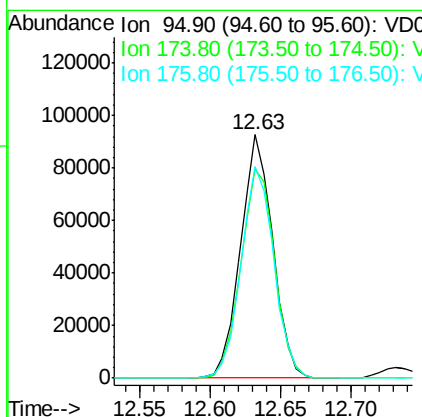
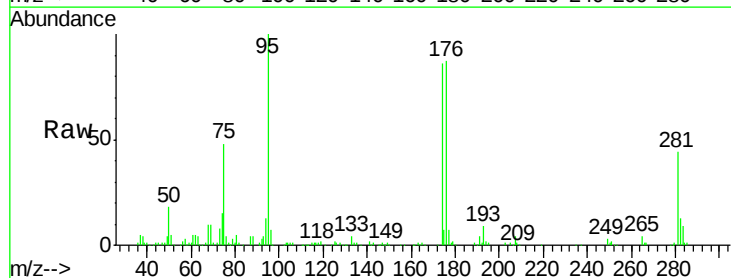
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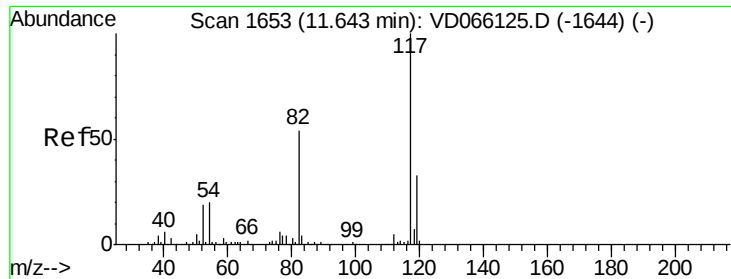
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.954 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	180.8
176	88.6	0.0	181.2





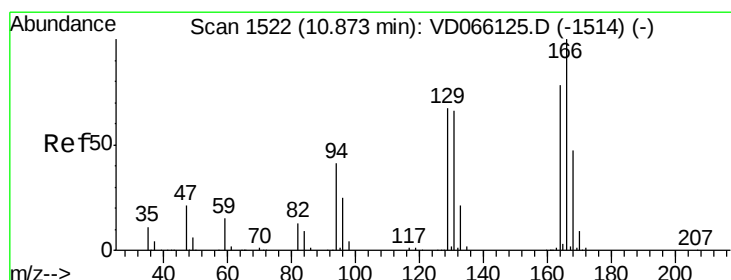
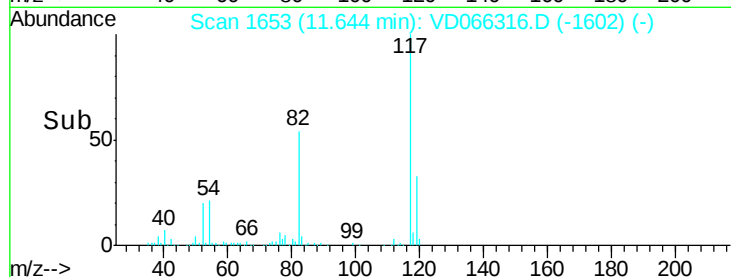
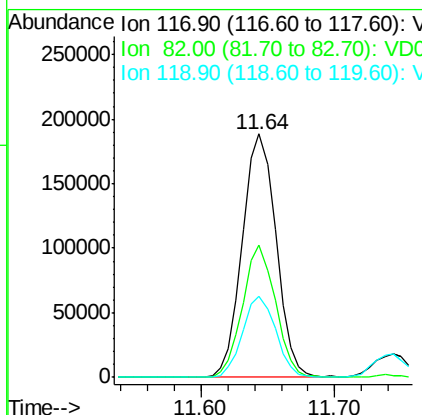
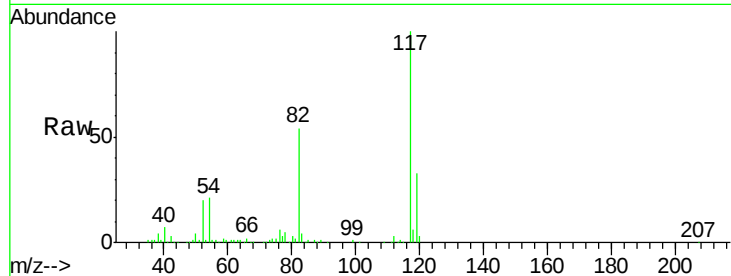
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330402		
82	54.1	43.0	64.4	
119	33.4	26.1	39.1	

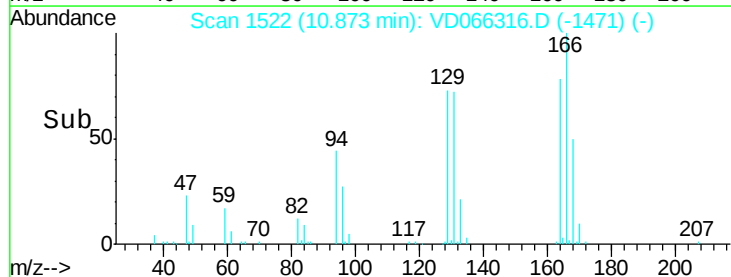
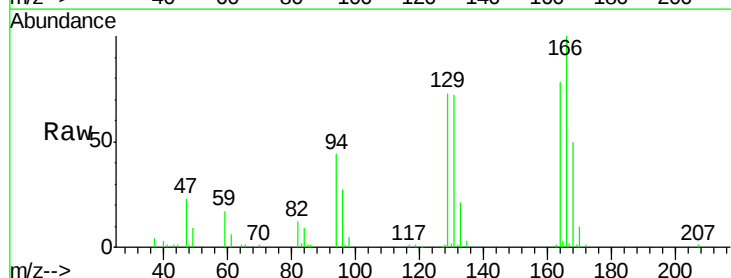
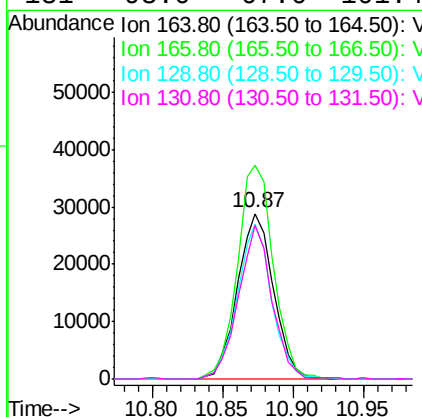
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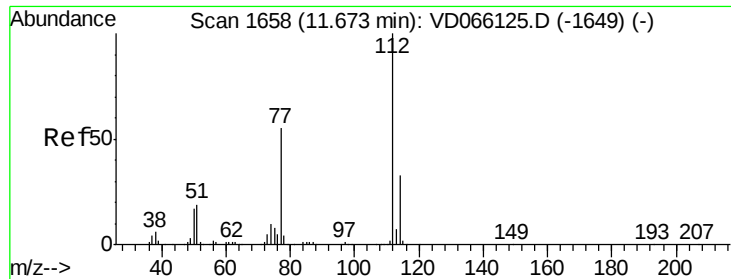
MMDadoda
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#64
Tetrachloroethene
Concen: 20.339 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51602		
166	129.0	101.9	152.9	
129	93.8	68.1	102.1	
131	93.0	67.6	101.4	





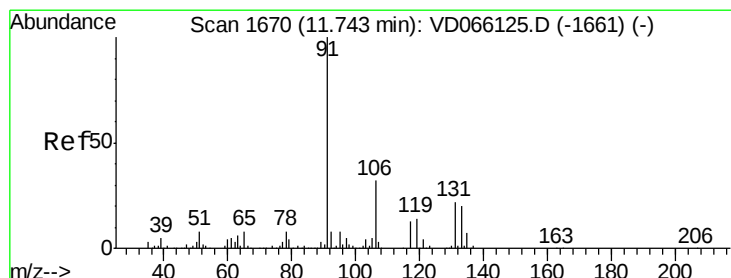
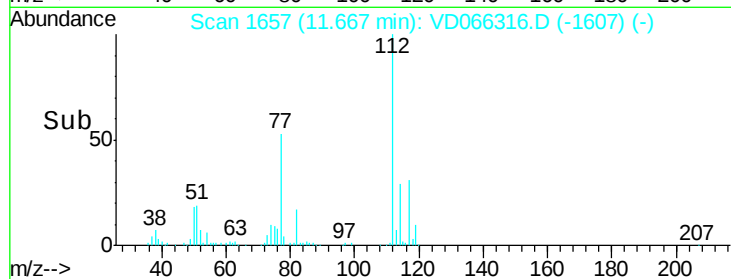
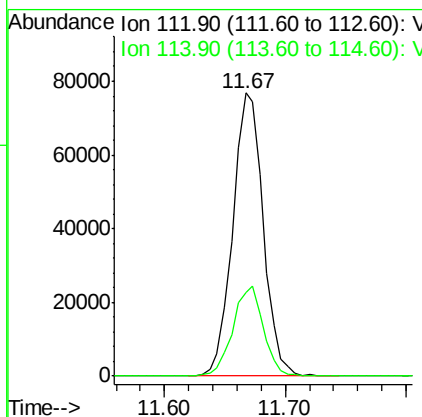
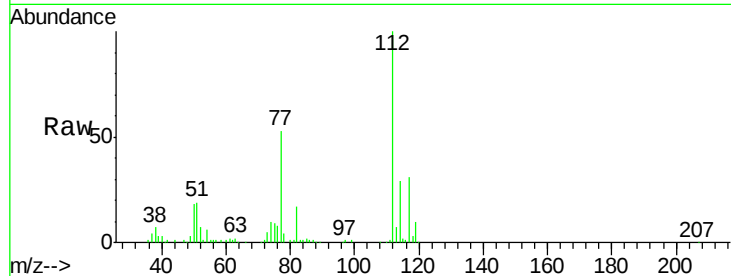
#65
Chlorobenzene
Concen: 20.068 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.3	26.1	39.1

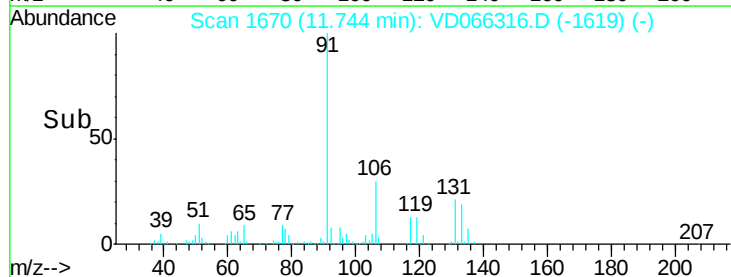
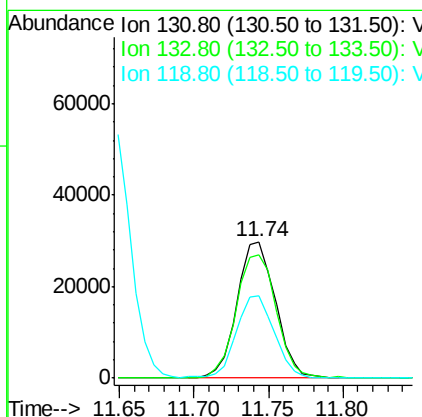
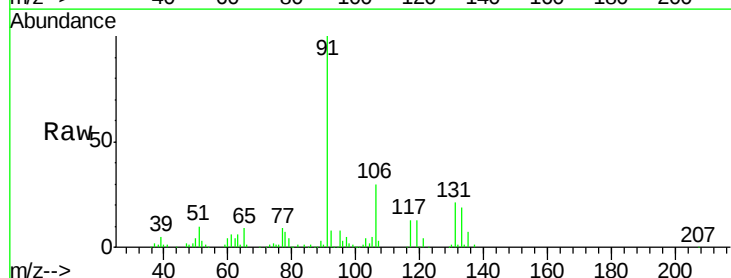
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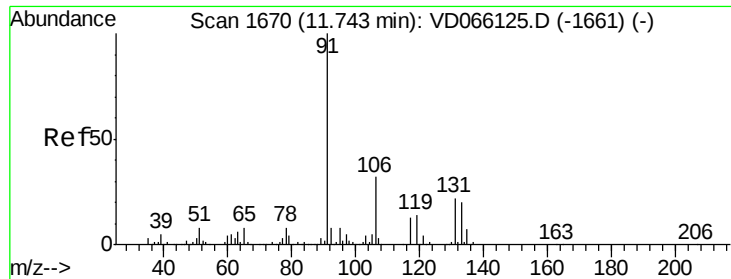
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.301 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.1	141.4
119	59.6	31.6	94.7





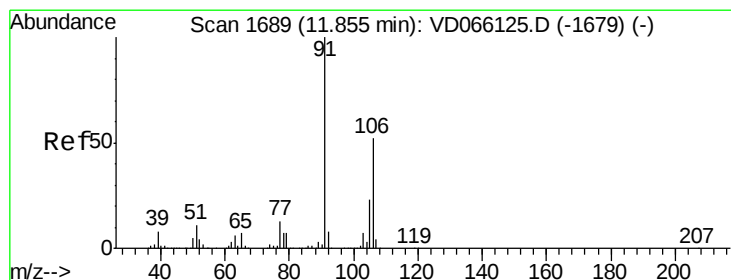
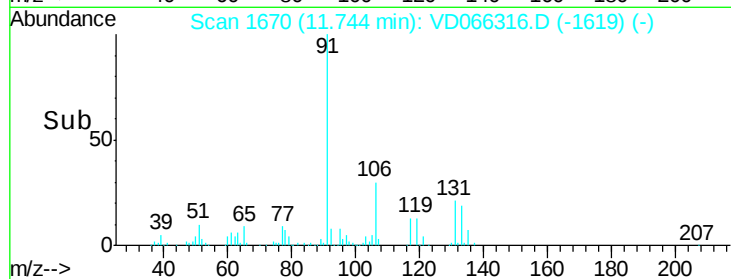
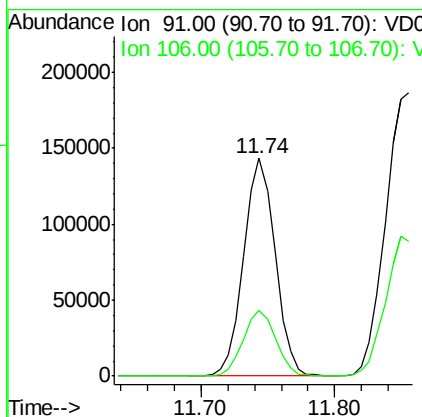
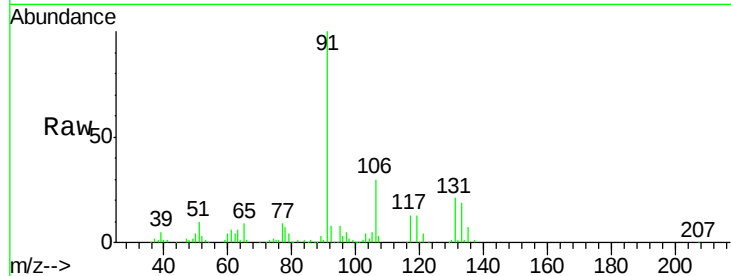
#67
Ethyl Benzene
Concen: 20.162 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.7	38.5

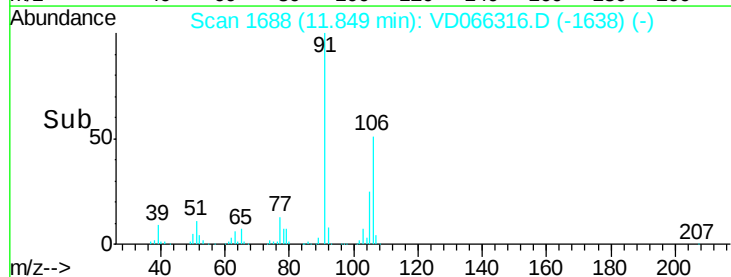
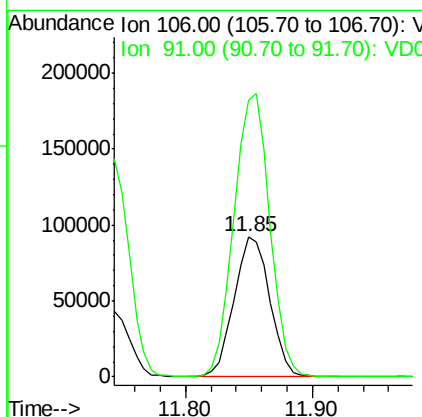
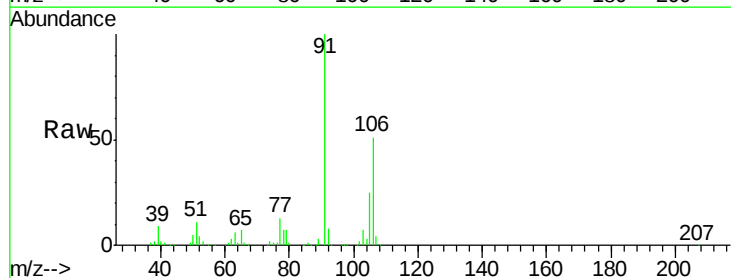
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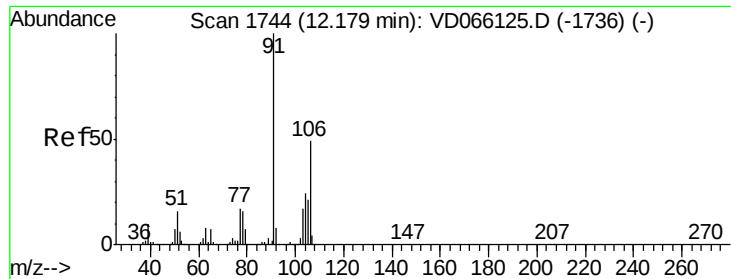
MMDadoda
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#68
m/p-Xylenes
Concen: 39.969 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.6	156.6	235.0





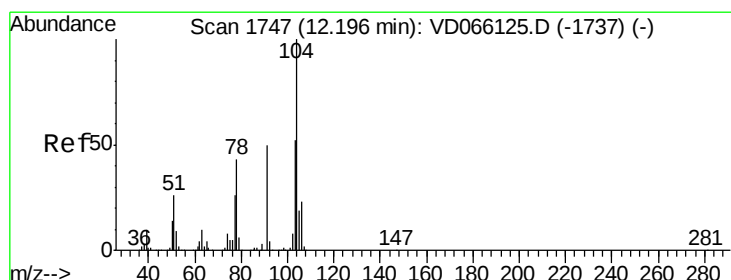
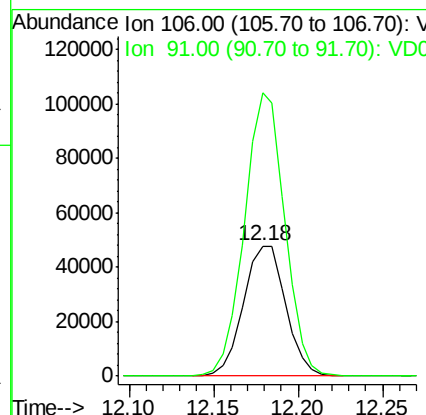
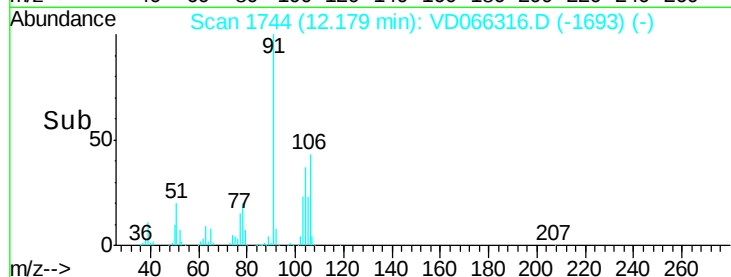
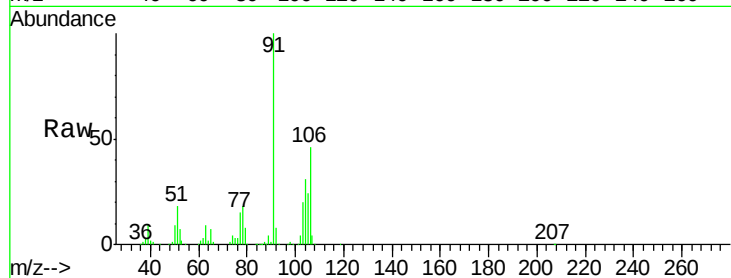
#69
o-Xylene
Concen: 20.380 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion:106 Resp: 83487
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

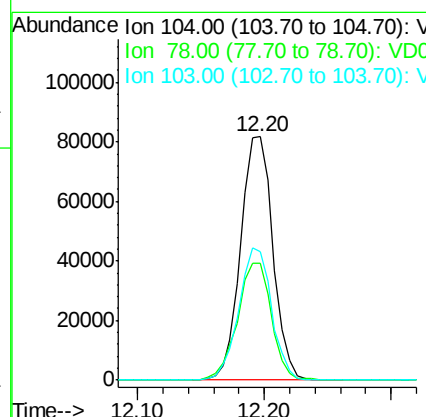
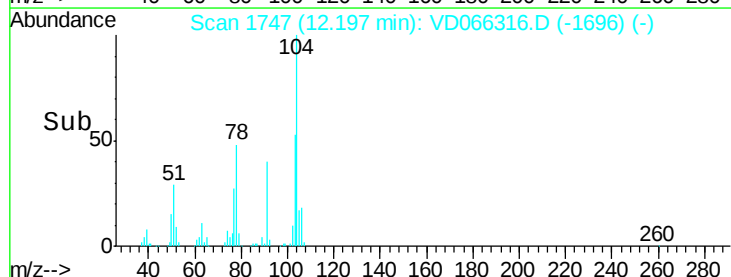
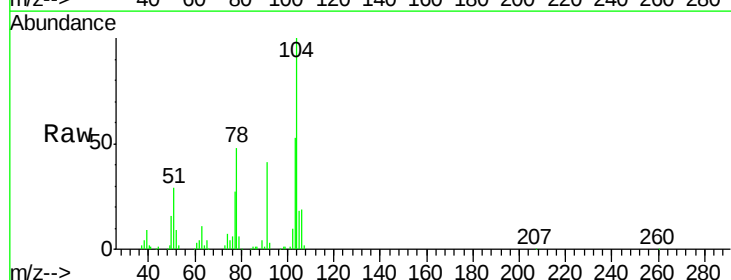
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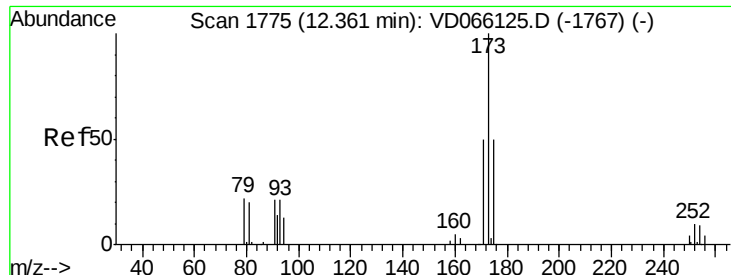
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#70
Styrene
Concen: 20.055 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion:104 Resp: 143977
Ion Ratio Lower Upper
104 100
78 50.5 38.6 58.0
103 55.4 44.1 66.1





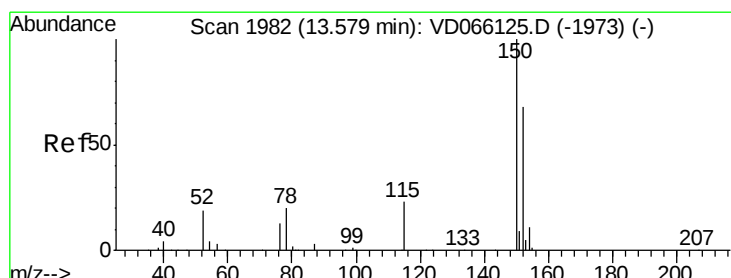
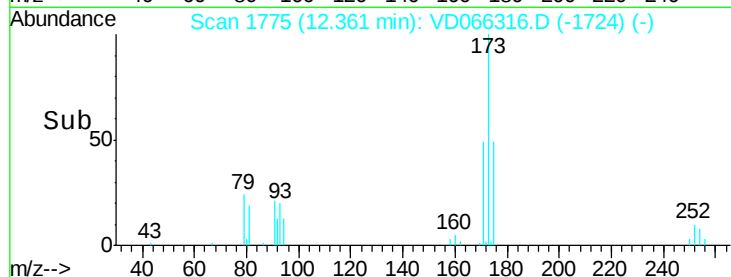
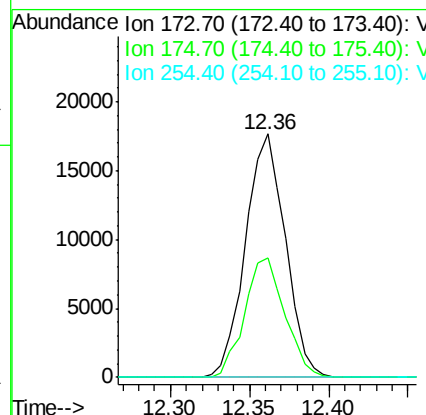
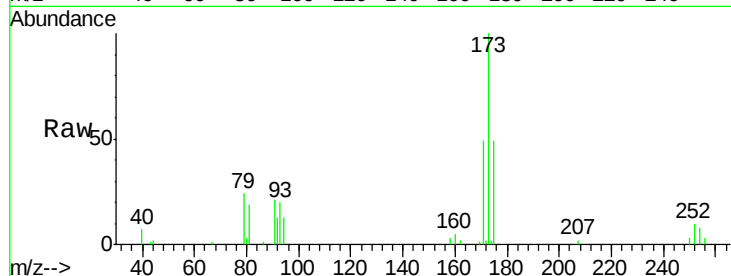
#71
Bromoform
Concen: 19.854 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.6
254	0.0	0.2	0.2

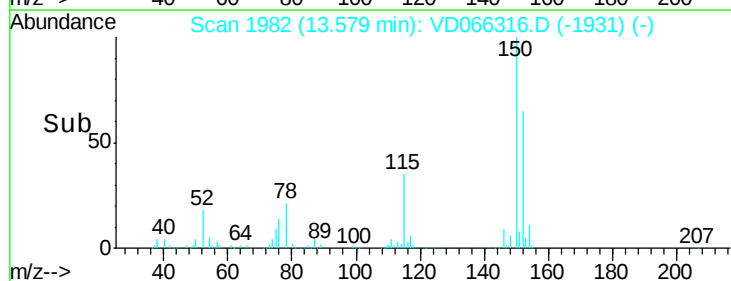
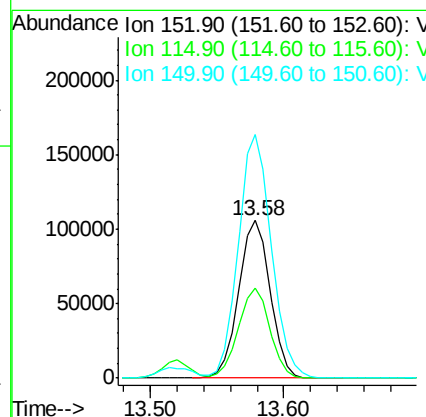
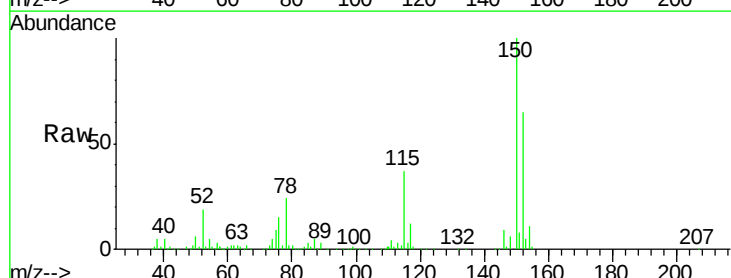
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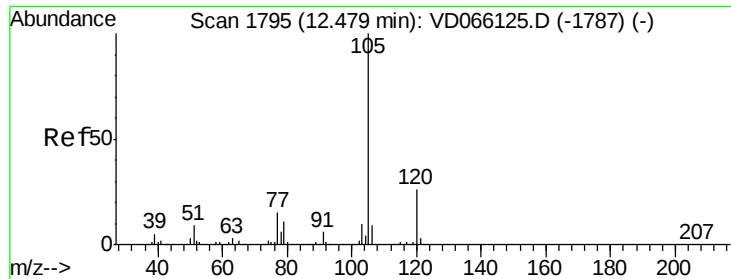
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	83.9
150	161.2	0.0	346.4





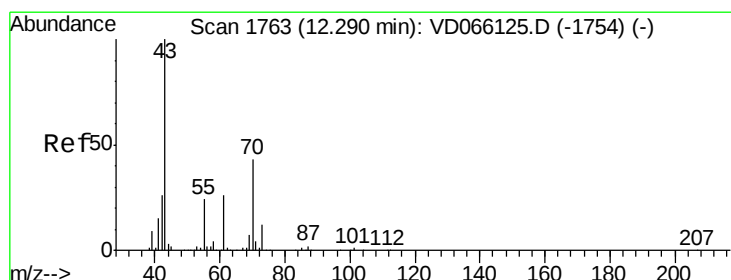
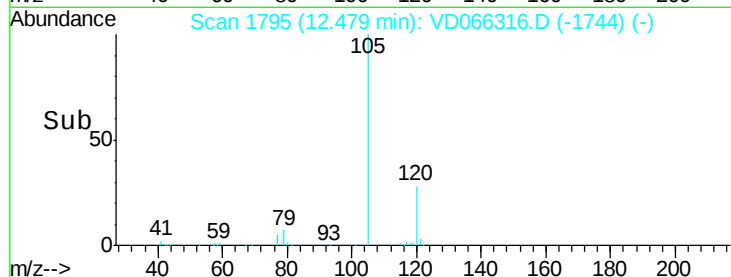
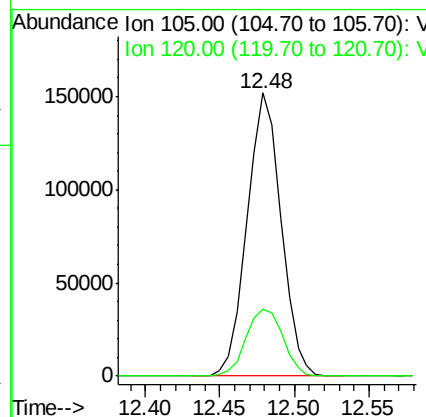
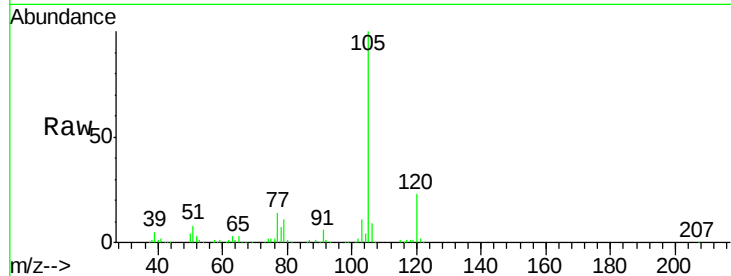
#73
Isopropylbenzene
Concen: 20.609 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS001

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.3	39.9

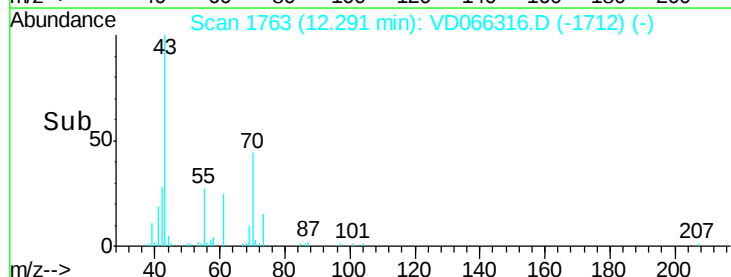
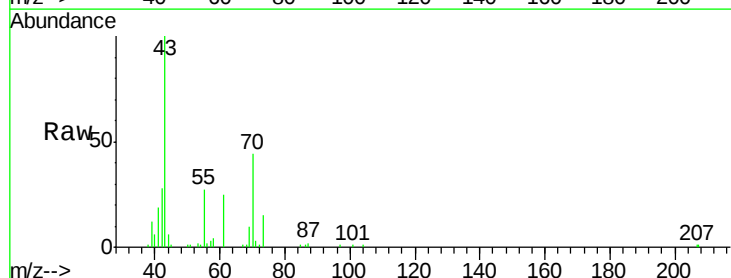
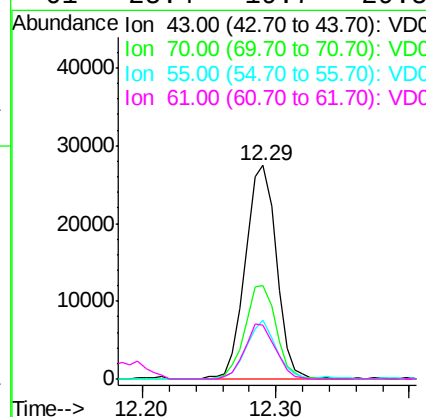
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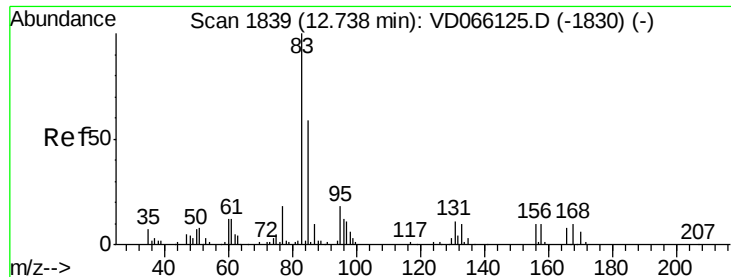
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#74
N-ethyl acetate
Concen: 17.238 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	34.9	52.3
55	26.1	19.2	28.8
61	25.4	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.834 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

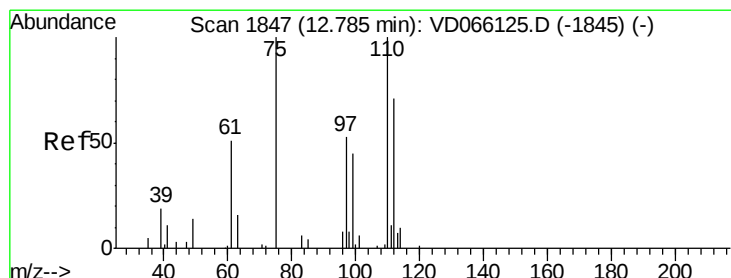
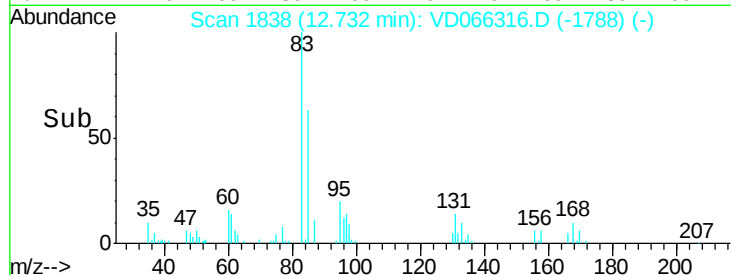
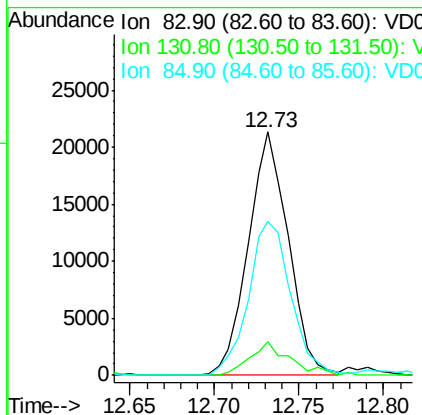
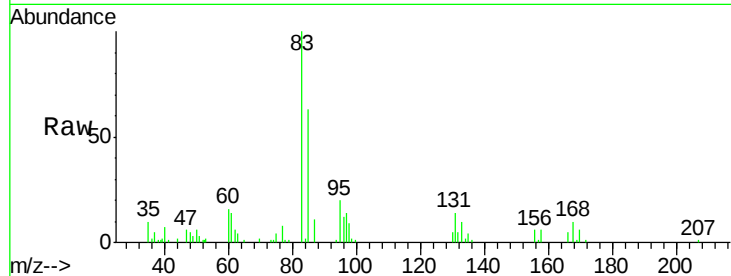
ClientSampleId :

VD0819SBS01

Tot Ion:	83	Resp:	35255
Ion Ratio	Lower	Upper	
83	100		
131	13.7	6.2	18.6
85	66.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.256 ug/l m

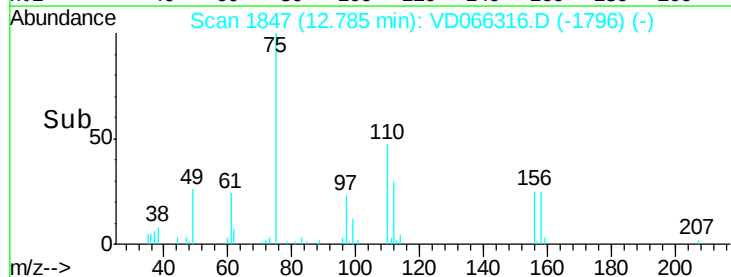
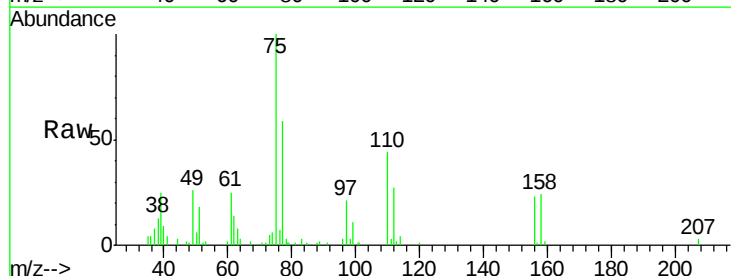
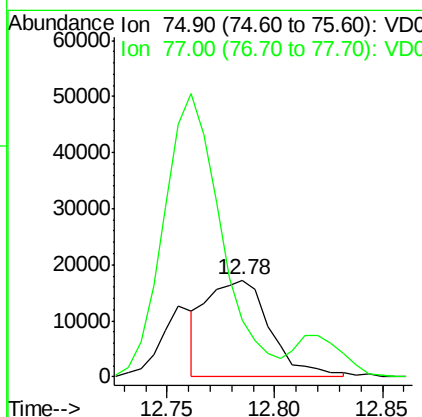
RT: 12.78 min Scan# 1847

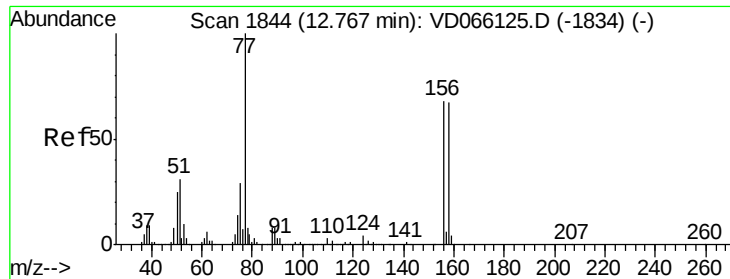
Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Tgt Ion:	75	Resp:	35130
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.030 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:156 Resp: 59777

Ion Ratio Lower Upper

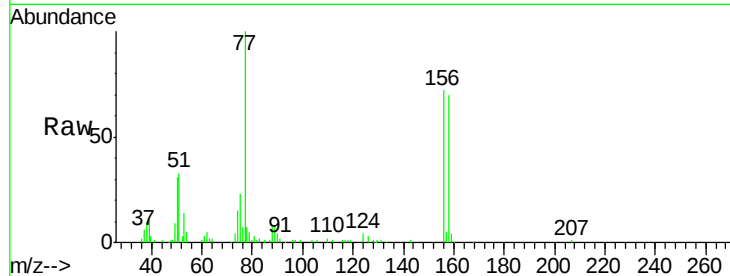
156 100

77 157.4 81.0 243.1

158 98.3 48.8 146.3

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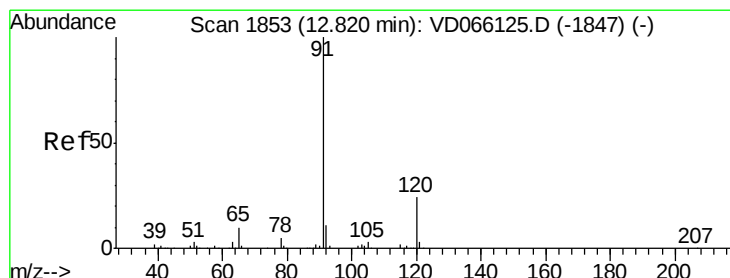
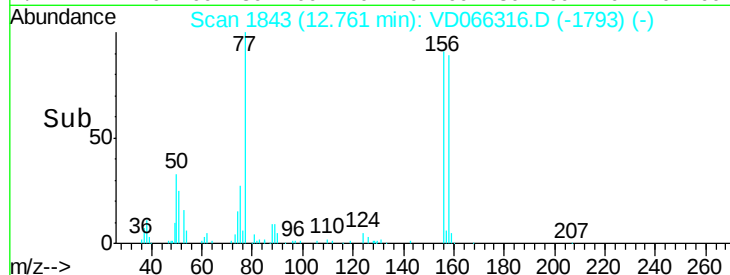
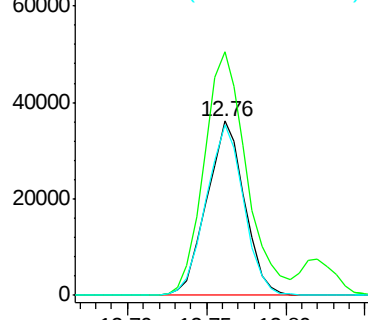
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.260 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066316.D

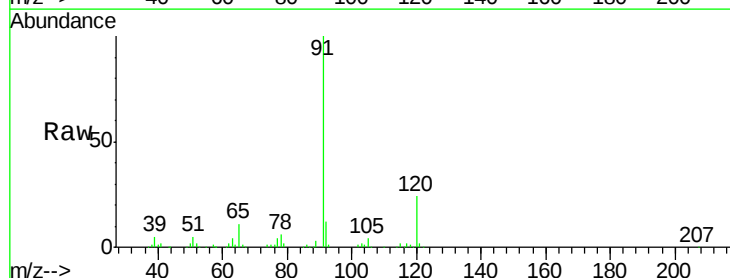
Acq: 19 Aug 2020 14:05

Tgt Ion: 91 Resp: 273022

Ion Ratio Lower Upper

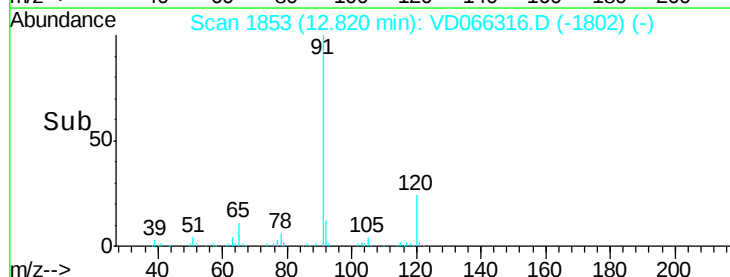
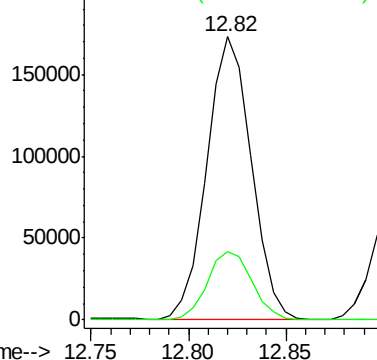
91 100

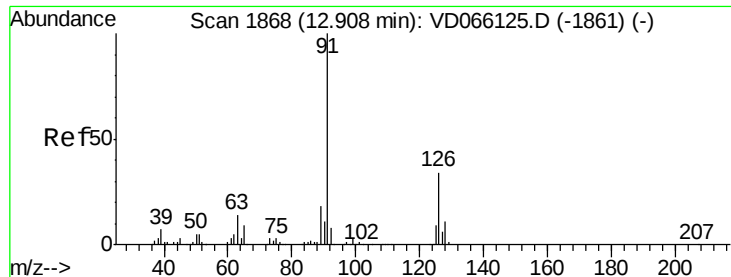
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





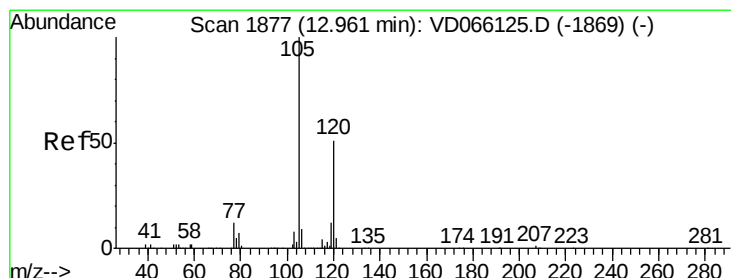
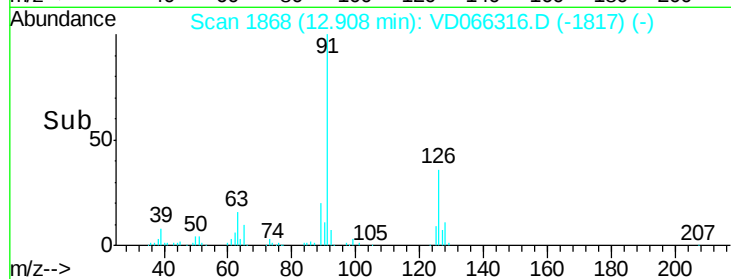
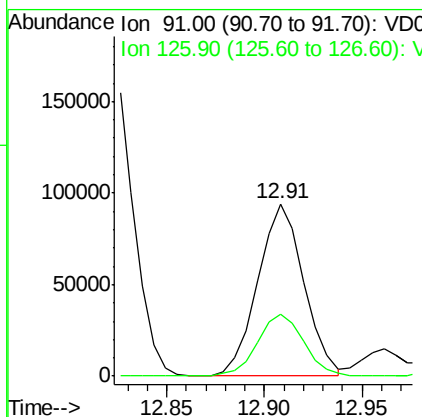
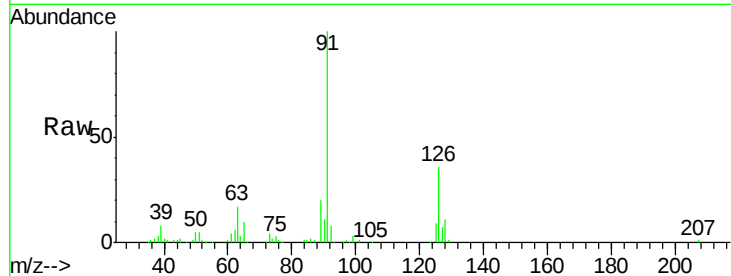
#79
 2-Chlorotoluene
 Concen: 19.916 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.6

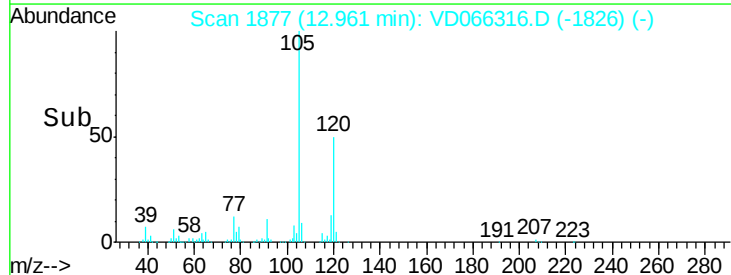
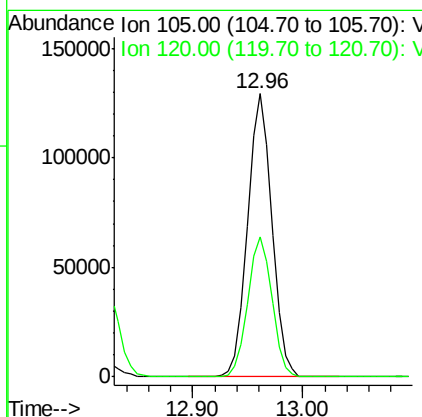
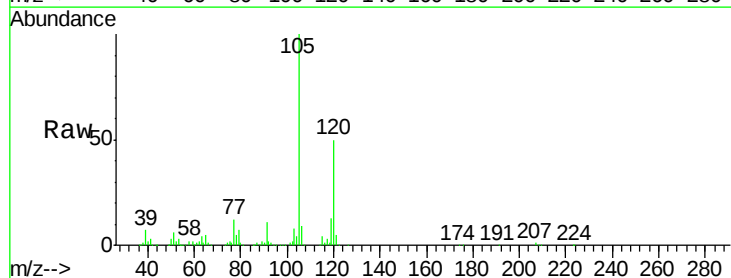
Manual Integrations
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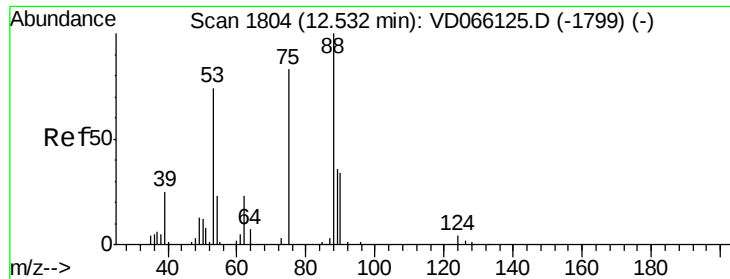
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.682 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	25.3	75.8





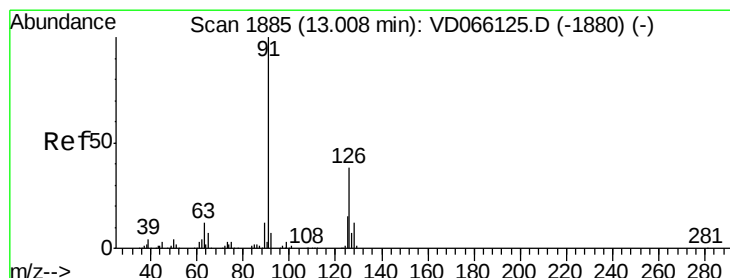
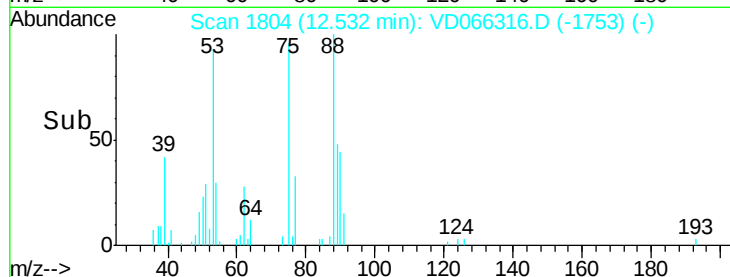
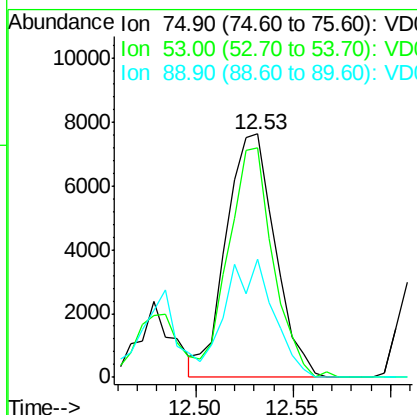
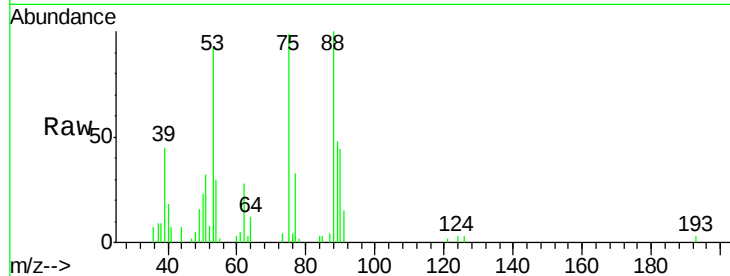
#81
trans-1,4-Dichloro-2-butene
Concen: 20.262 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.4	73.4	110.2
89	46.9	36.6	55.0

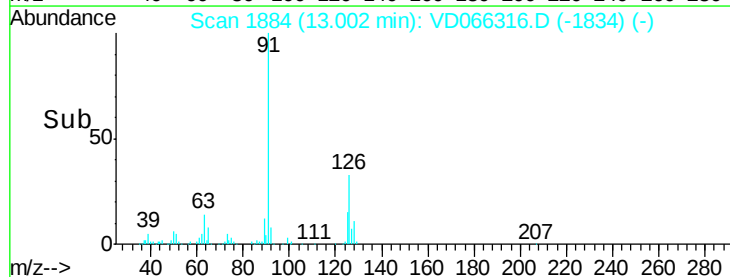
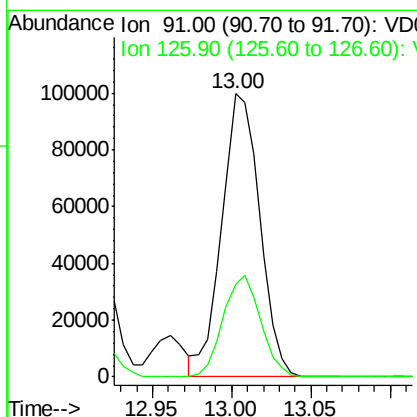
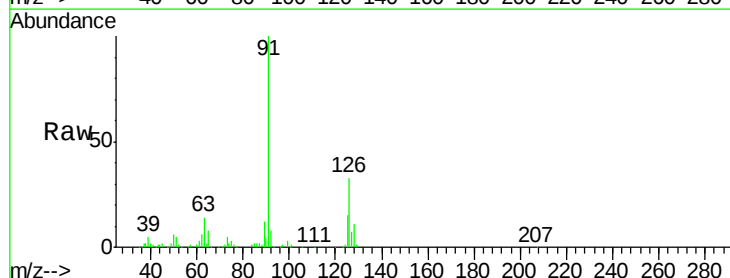
Manual Integrations
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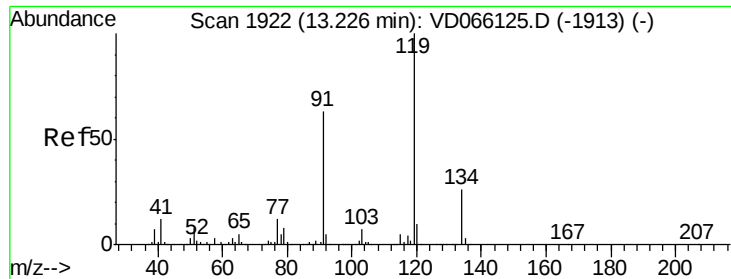
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.389 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





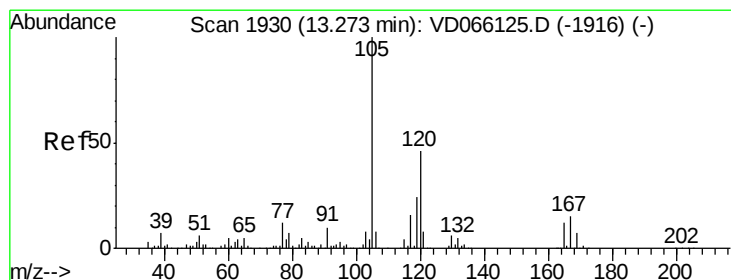
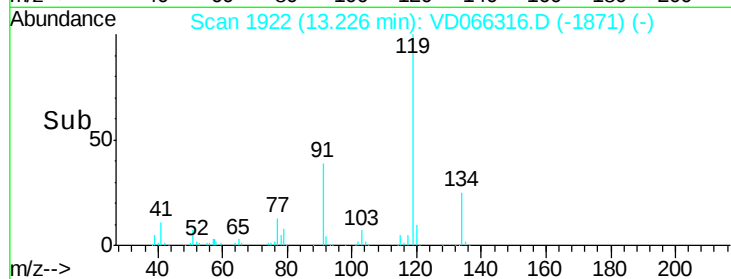
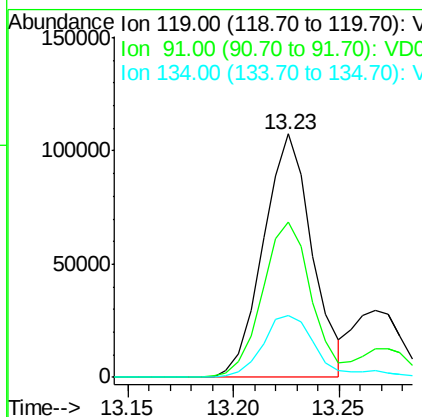
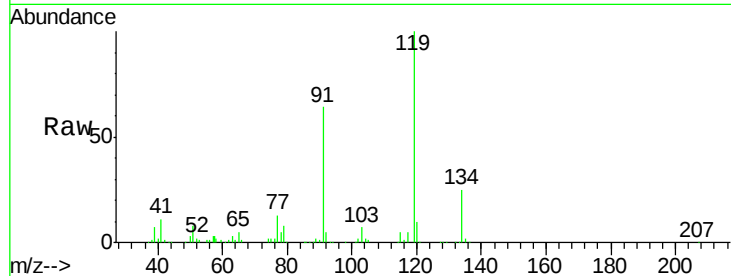
#83
tert-Butylbenzene
Concen: 20.257 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172721		
91	65.0		30.8	92.4
134	28.5		13.6	40.8

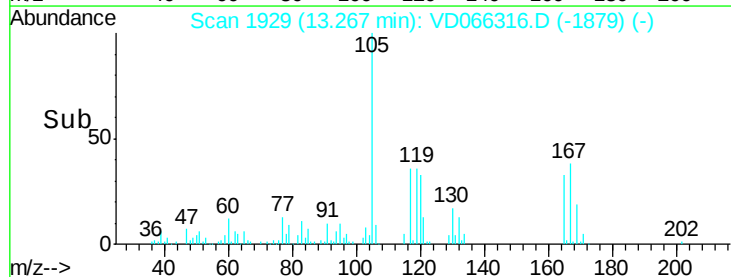
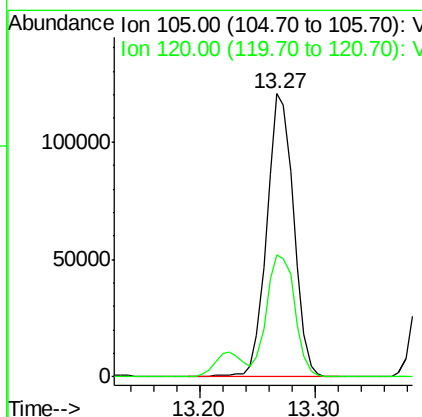
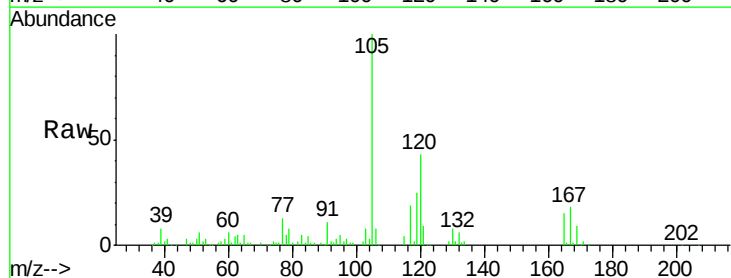
Manual Integrations
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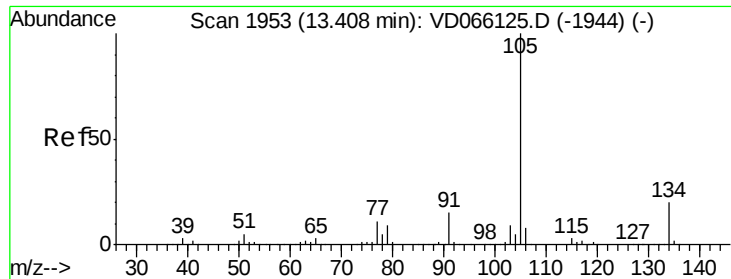
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.235 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196339		
120	45.1		23.1	69.2





#85

sec-Butylbenzene

Concen: 20.726 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS01

Tot Ion:105 Resp: 238589

Ion Ratio Lower Upper

105 100

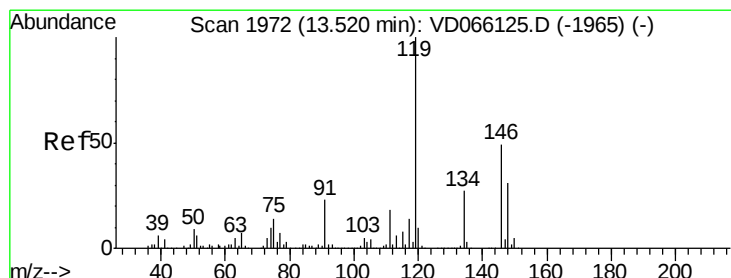
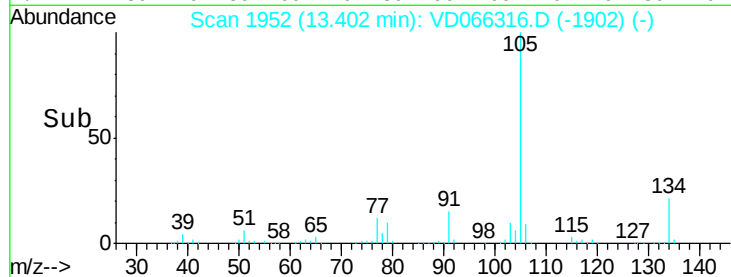
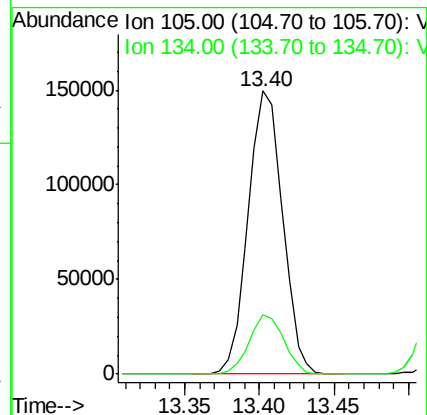
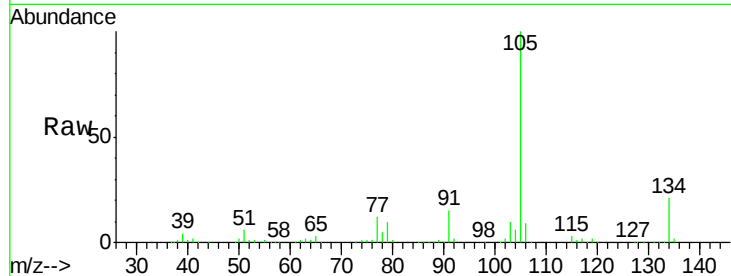
134 21.2 10.4 31.4

Manual Integrations

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8/20/2020 3:36:54 PM



#86

p-Isopropyltoluene

Concen: 20.975 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066316.D

Acq: 19 Aug 2020 14:05

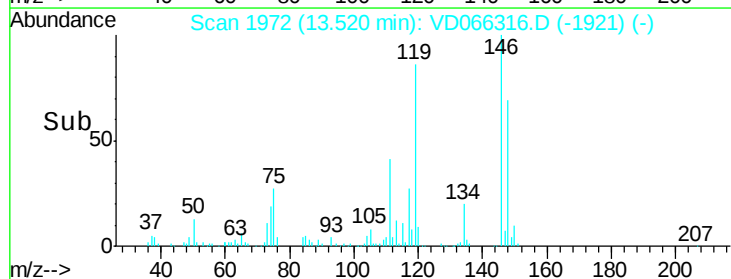
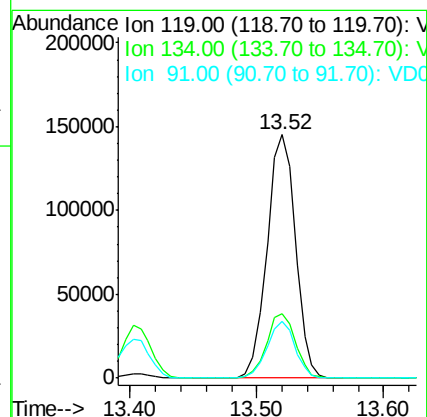
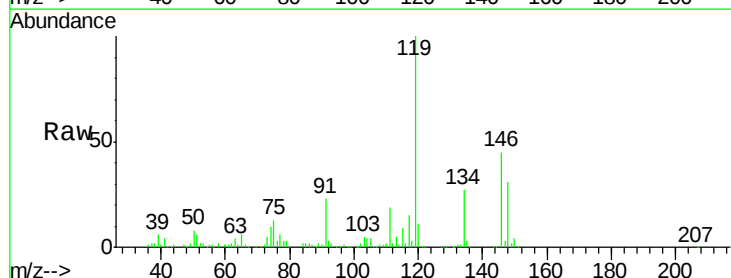
Tgt Ion:119 Resp: 226474

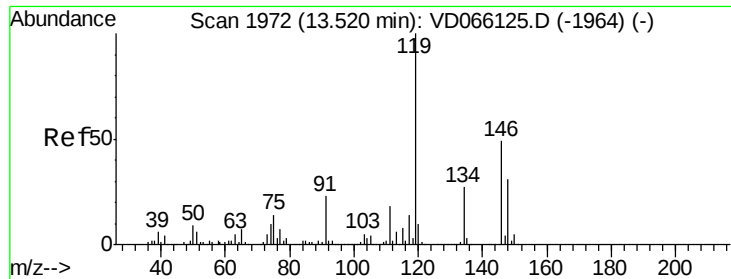
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.3 11.2 33.5





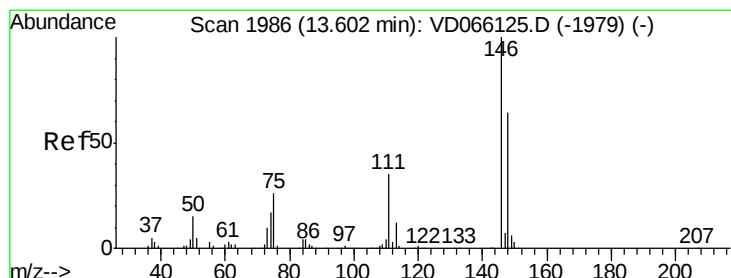
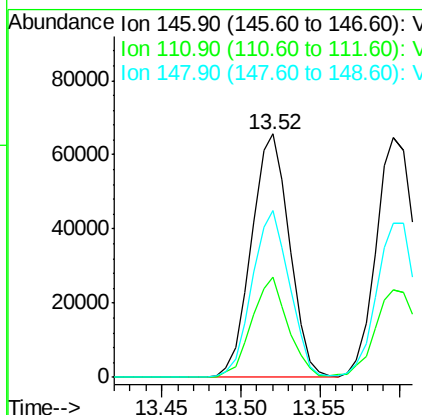
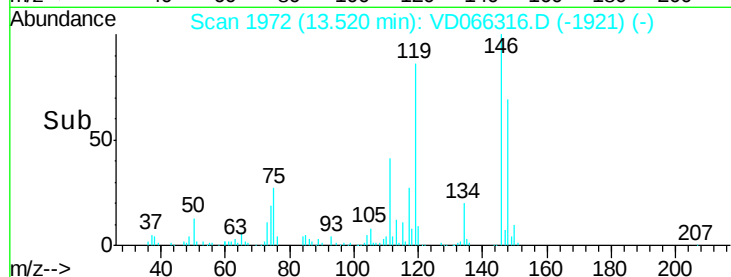
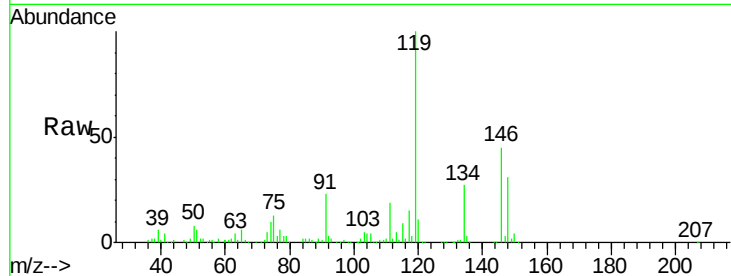
#87
 1,3-Dichlorobenzene
 Concen: 19.535 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109568		
111	39.1	18.9	56.9	
148	67.7	31.8	95.3	

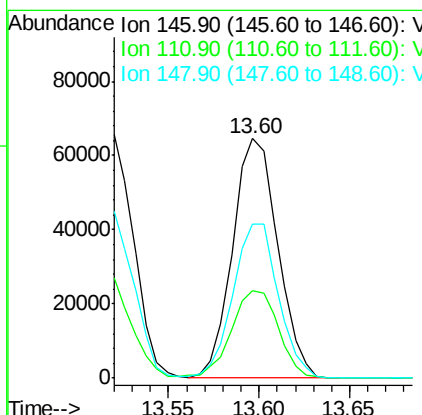
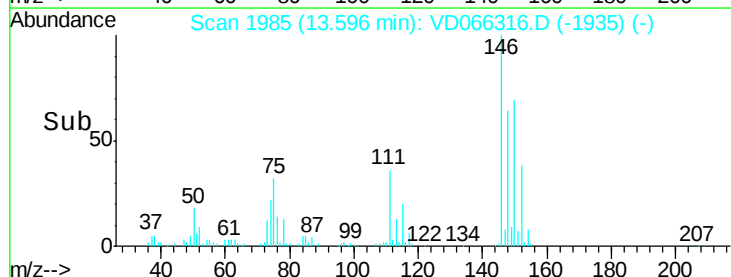
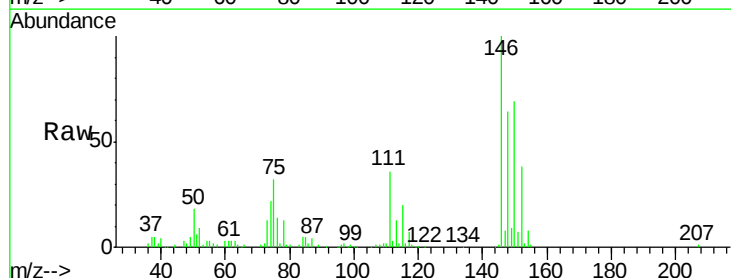
Manual Integrations
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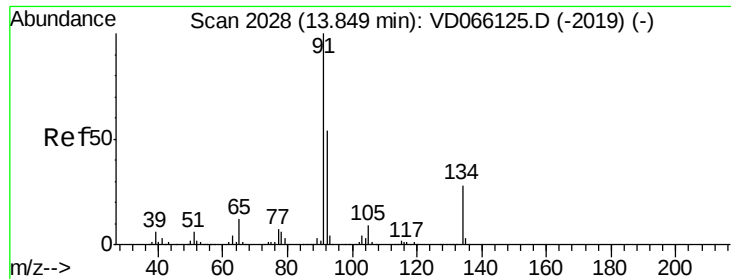
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 8/20/2020 3:36:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.026 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112016		
111	38.1	18.6	55.8	
148	65.0	32.4	97.0	





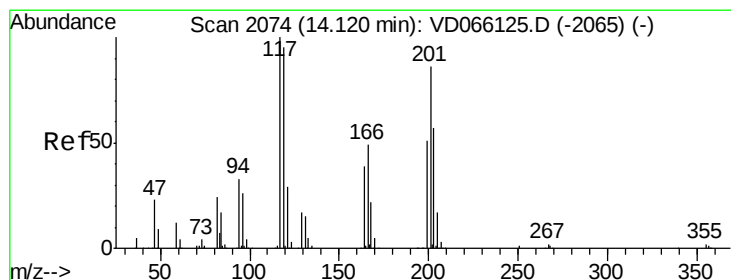
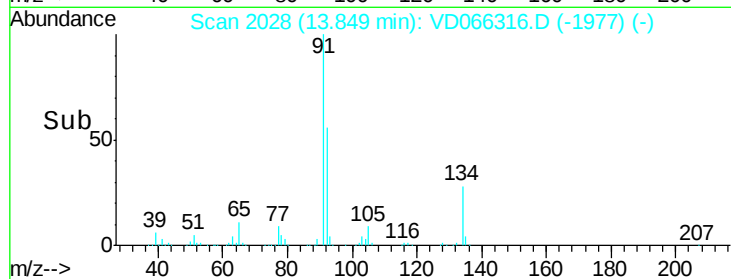
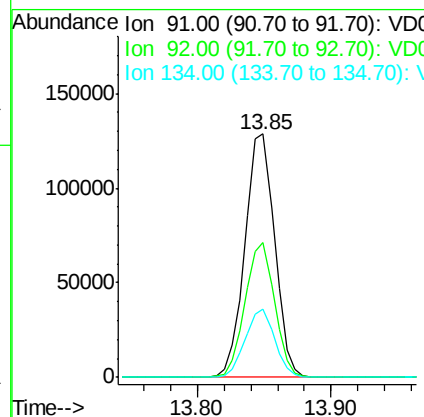
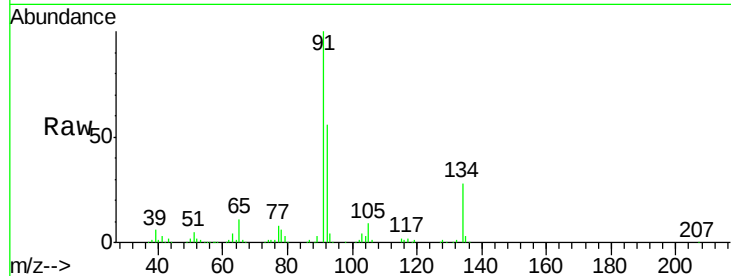
#89
n-Butylbenzene
Concen: 20.450 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197831		
92	54.9	26.8	80.3	
134	27.9	14.0	41.9	

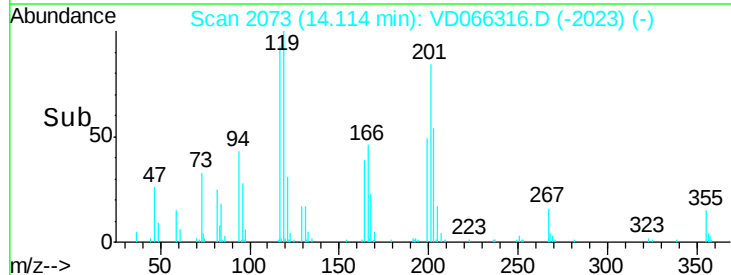
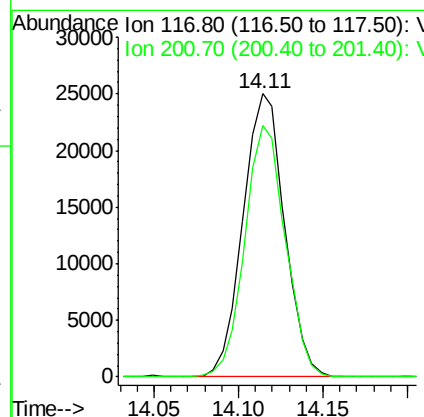
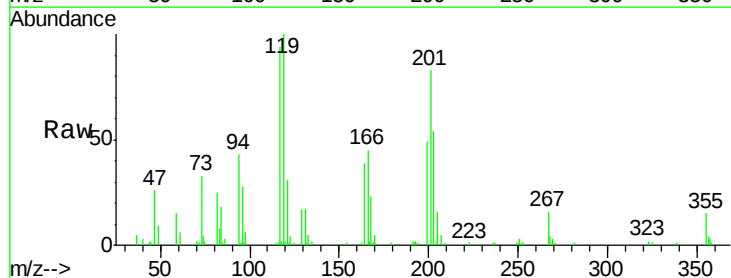
Manual Integrations
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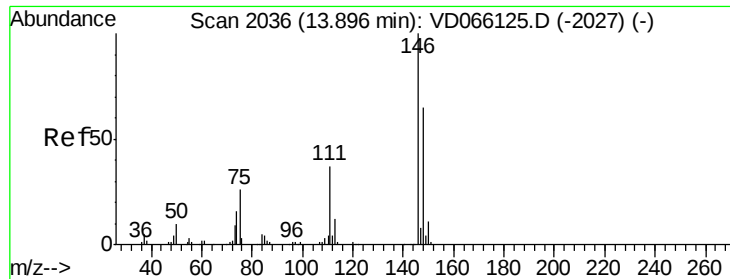
MMDadoda
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#90
Hexachloroethane
Concen: 19.832 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42707		
201	86.8	42.7	128.1	





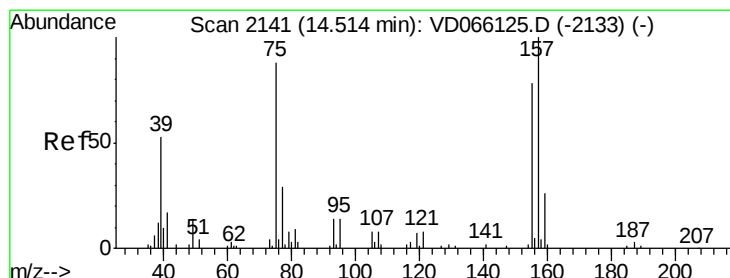
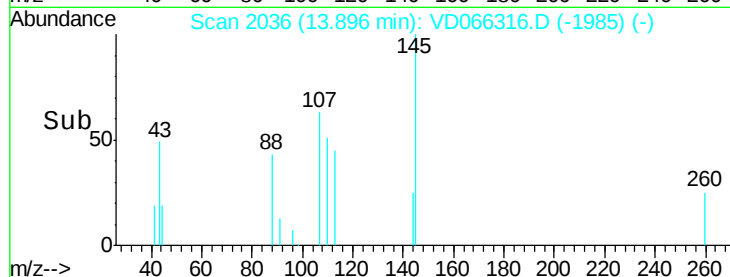
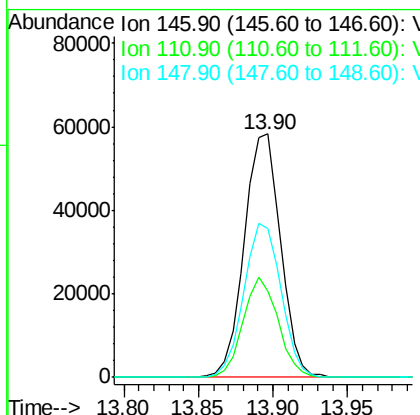
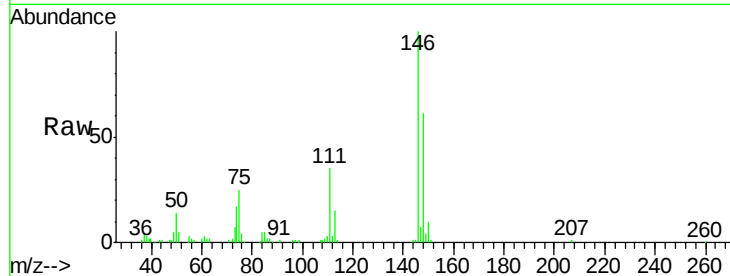
#91
 1,2-Dichlorobenzene
 Concen: 19.763 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.8	56.3
148	64.8	31.9	95.5

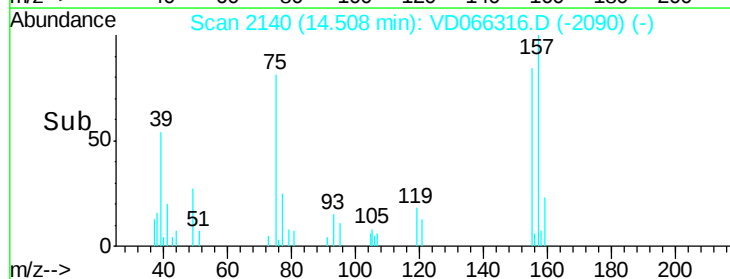
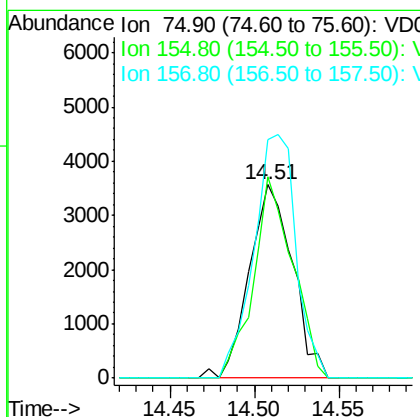
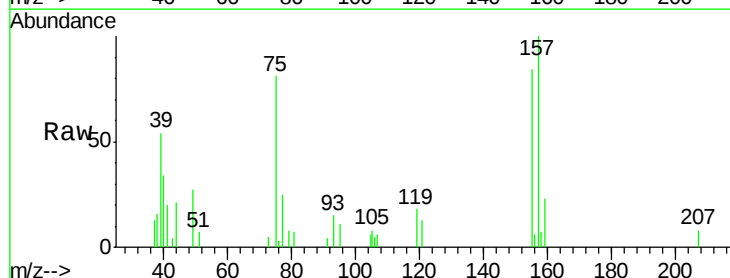
Manual Integrations
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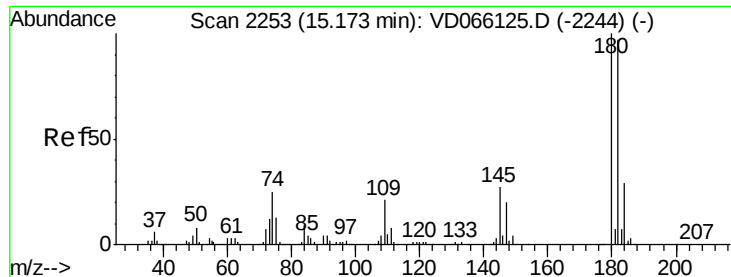
MMDadoda
 8/20/2020 3:36:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.658 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	47.7	143.1
157	123.4	62.1	186.2





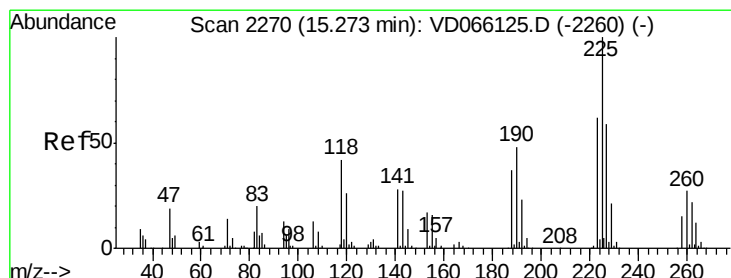
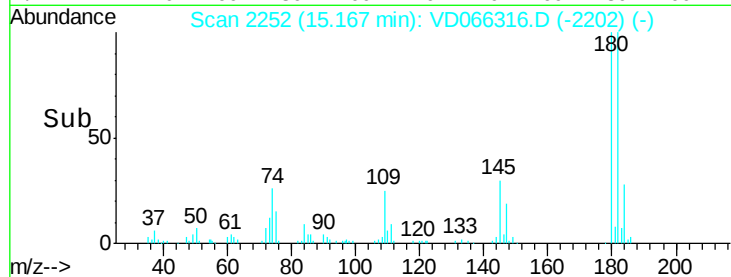
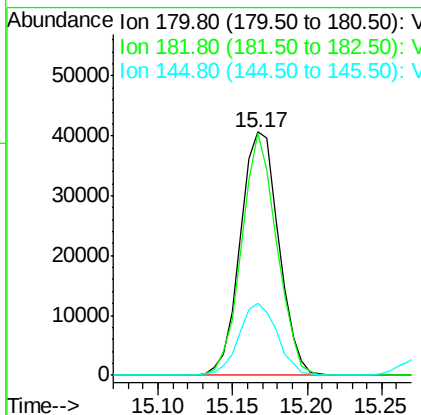
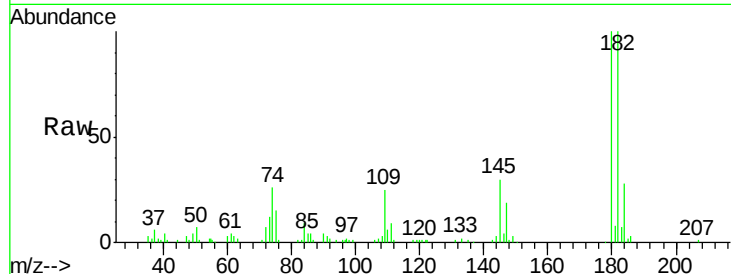
#93
 1,2,4-Trichlorobenzene
 Concen: 19.774 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.2
145	29.7	14.5	43.6

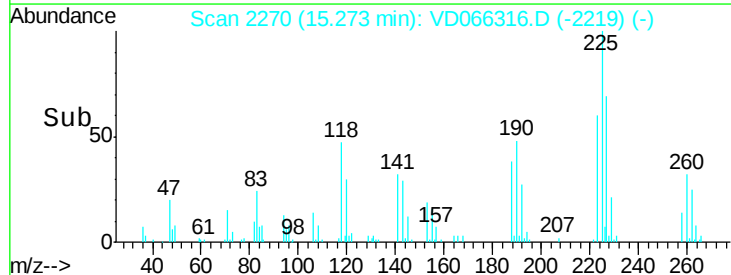
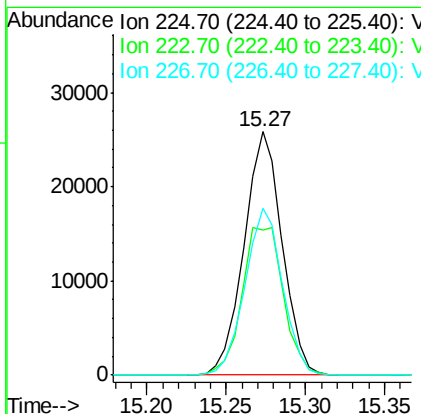
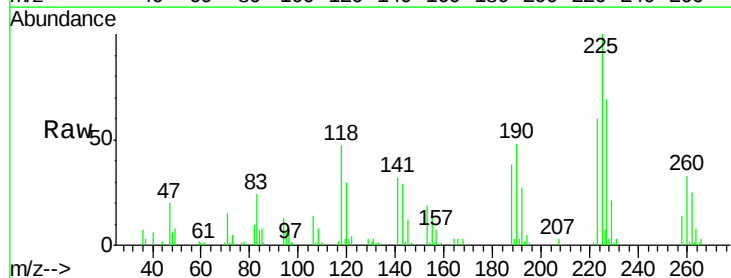
Manual Integrations
 APPROVED

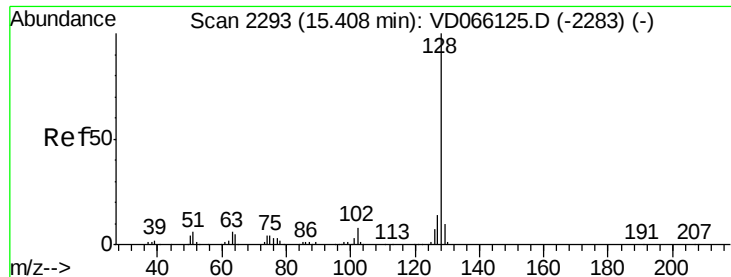
MMDadoda
 8/20/2020 3:36:54 PM



#94
 Hexachlorobutadiene
 Concen: 20.090 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066316.D
 Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.3	96.9
227	67.4	32.1	96.5





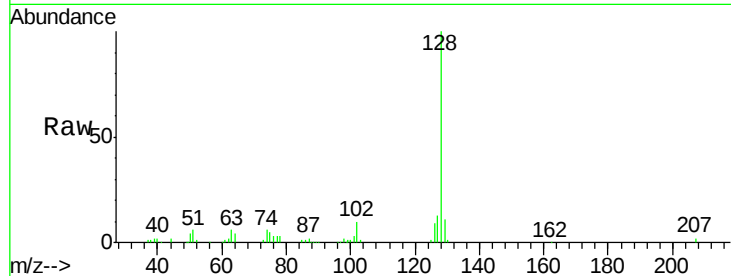
#95
Naphthalene
Concen: 18.047 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS01

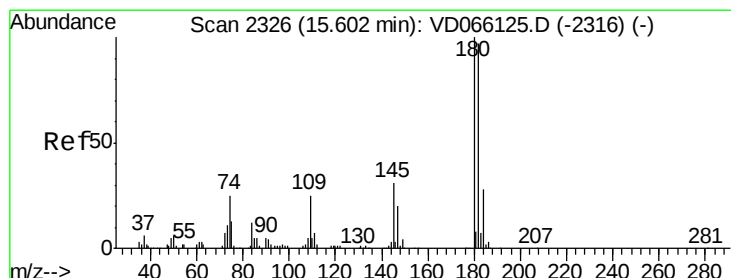
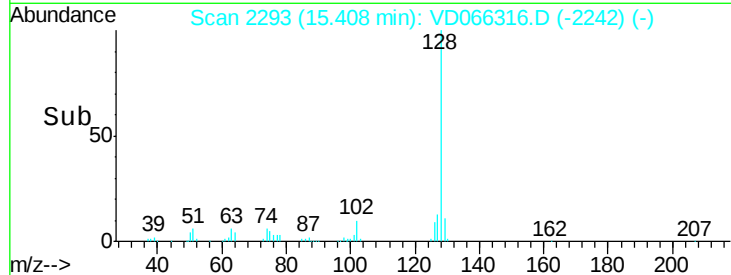
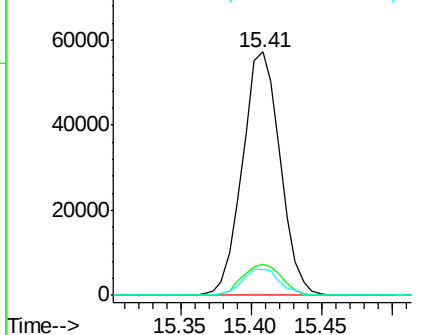
Tot Ion	Ratio	Resp	Lower	Upper
128	100	107492		
127	13.3		11.0	16.4
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:36:54 PM

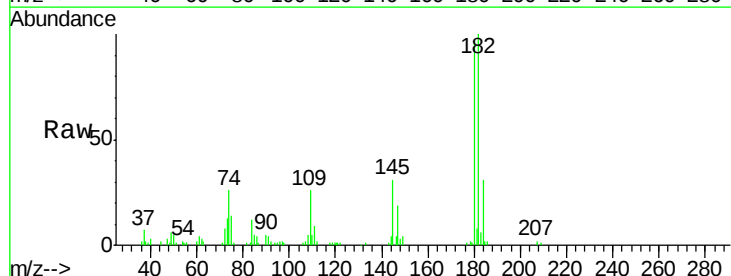


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.619 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066316.D
Acq: 19 Aug 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	60081		
182	98.1		47.1	141.4
145	33.2		14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

