

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066333.D
 Acq On : 20 Aug 2020 00:04
 Operator : VA/SY
 Sample : VD0819SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 3:37:03 PM

Quant Time: Aug 20 08:01:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	201242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	300835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	279214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104677	58.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.60%	
35) Dibromofluoromethane	7.91	113	101804	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.34	98	359790	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.63	95	132063	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37433	21.113	ug/l	95
3) Chloromethane	2.21	50	29284	21.232	ug/l	95
4) Vinyl Chloride	2.34	62	26287	21.528	ug/l	93
5) Bromomethane	2.76	94	21104	26.051	ug/l	95
6) Chloroethane	2.92	64	17300	23.081	ug/l	94
7) Trichlorofluoromethane	3.27	101	70110	22.024	ug/l	95
8) Diethyl Ether	3.70	74	19138	21.306	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39320	20.813	ug/l	98
10) Methyl Iodide	4.30	142	40811	27.254	ug/l	96
11) Tert butyl alcohol	5.21	59	16395	99.410	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	35421	19.875	ug/l	94
13) Acrolein	3.92	56	7341	51.368	ug/l	98
14) Allyl chloride	4.71	41	52826	19.565	ug/l	90
15) Acrylonitrile	5.43	53	39454	104.235	ug/l	98
16) Acetone	4.16	43	32361	94.995	ug/l	89
17) Carbon Disulfide	4.41	76	106812	18.849	ug/l	96
18) Methyl Acetate	4.71	43	19026	21.988	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	90180	22.076	ug/l	96
20) Methylene Chloride	4.97	84	69687	34.141	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	42957	20.982	ug/l	92
22) Diisopropyl ether	6.37	45	108491	20.319	ug/l	92
23) Vinyl Acetate	6.31	43	310034	99.116	ug/l	96
24) 1,1-Dichloroethane	6.27	63	72561	21.959	ug/l	99
25) 2-Butanone	7.21	43	46726	93.256	ug/l	98
26) 2,2-Dichloropropane	7.20	77	64327	21.721	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	47711	22.218	ug/l	98
28) Bromochloromethane	7.55	49	26260	22.627	ug/l	91
29) Tetrahydrofuran	7.56	42	29085	93.692	ug/l	94
30) Chloroform	7.70	83	79387	22.880	ug/l	96
31) Cyclohexane	7.98	56	55579	17.670	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	74900	23.024	ug/l	99
36) 1,1-Dichloropropene	8.10	75	57755	20.430	ug/l	99
37) Ethyl Acetate	7.28	43	22930	20.472	ug/l	95
38) Carbon Tetrachloride	8.09	117	69570	22.068	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	62512	18.293	ug/l	97
40) Benzene	8.35	78	163656	20.869	ug/l	98
41) Methacrylonitrile	7.51	41	10721	16.279	ug/l #	81
42) 1,2-Dichloroethane	8.42	62	55678	24.168	ug/l	97
43) Isopropyl Acetate	8.45	43	42459	19.239	ug/l	96
44) Trichloroethene	9.10	130	50600	21.412	ug/l	96
45) 1,2-Dichloropropane	9.38	63	38768	20.213	ug/l	99
46) Dibromomethane	9.47	93	24036	22.751	ug/l	95
47) Bromodichloromethane	9.66	83	62661	22.441	ug/l	92
48) Methyl methacrylate	9.45	41	20814	18.471	ug/l #	77
49) 1,4-Dioxane	9.46	88	5051	372.135	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	109768	96.833	ug/l	98
52) Toluene	10.40	92	111874	21.680	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57574	21.727	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	63331	20.399	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	32527	21.381	ug/l	93
56) Ethyl methacrylate	10.66	69	38698	21.176	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50875	20.144	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	90342	109.901	ug/l	97
59) 2-Hexanone	10.98	43	74497	93.640	ug/l	96
60) Dibromochloromethane	11.14	129	46439	22.111	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31514	21.540	ug/l	98
64) Tetrachloroethene	10.87	164	44905	20.944	ug/l	95
65) Chlorobenzene	11.67	112	120108	21.190	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	49924	22.511	ug/l	95
67) Ethyl Benzene	11.74	91	207051	21.080	ug/l	99
68) m/p-Xylenes	11.85	106	160399	42.148	ug/l	93
69) o-Xylene	12.18	106	76760	22.173	ug/l	99
70) Styrene	12.20	104	132712	21.875	ug/l	98
71) Bromoform	12.36	173	28814	21.929	ug/l #	100
73) Isopropylbenzene	12.48	105	205639	21.261	ug/l	98
74) N-amyl acetate	12.29	43	40285	18.915	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	32782	19.877	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	22253m	18.417	ug/l	
77) Bromobenzene	12.76	156	54905	22.052	ug/l	96
78) n-propylbenzene	12.82	91	240594	21.399	ug/l	98
79) 2-Chlorotoluene	12.91	91	138168	21.487	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	176120	21.773	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10987	20.100	ug/l	90
82) 4-Chlorotoluene	13.01	91	144926	21.350	ug/l	100
83) tert-Butylbenzene	13.23	119	153932	21.639	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	179637	22.191	ug/l	98
85) sec-Butylbenzene	13.40	105	200921	20.920	ug/l	97
86) p-Isopropyltoluene	13.52	119	192294	21.347	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	100207	21.414	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	98200	21.043	ug/l	98
89) n-Butylbenzene	13.84	91	165852	20.550	ug/l	99
90) Hexachloroethane	14.11	117	38483	21.420	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	88311	21.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6236	22.000	ug/l	98

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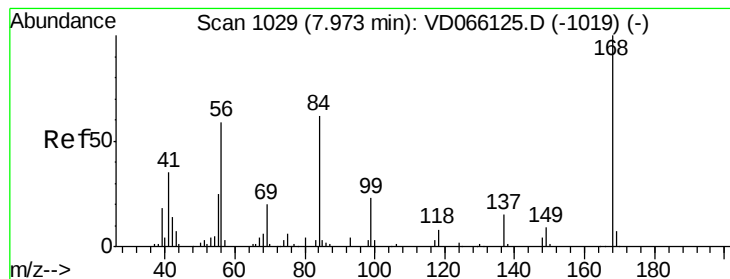
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	62930	20.635	ug/l	98
94) Hexachlorobutadiene	15.27	225	39269	21.866	ug/l	95
95) Naphthalene	15.41	128	100489	20.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	55508	20.618	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion:168 Resp: 201242

Ion Ratio Lower Upper

168 100

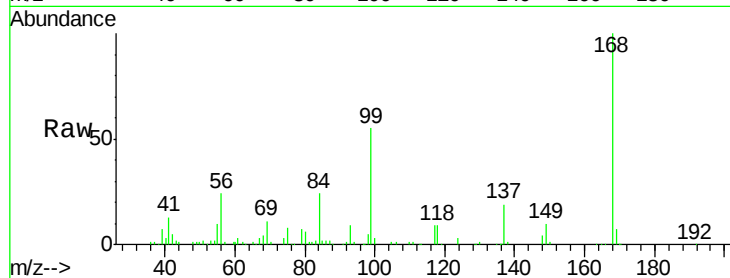
99 54.4 42.2 63.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

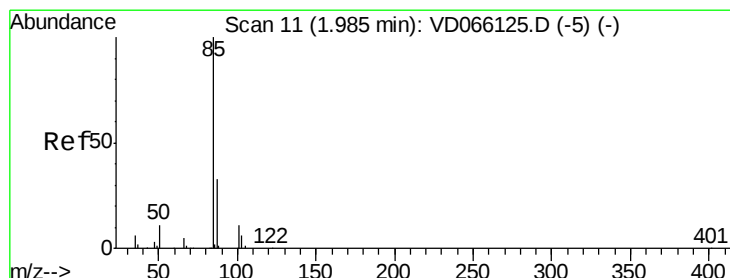
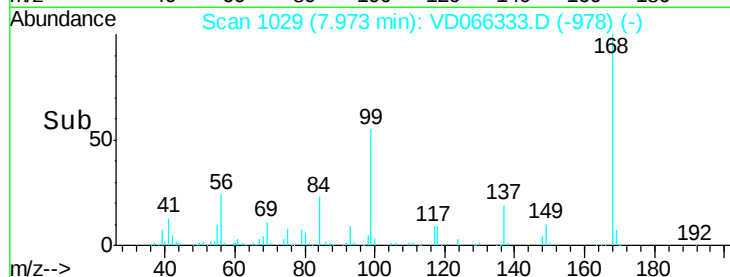
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.113 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066333.D

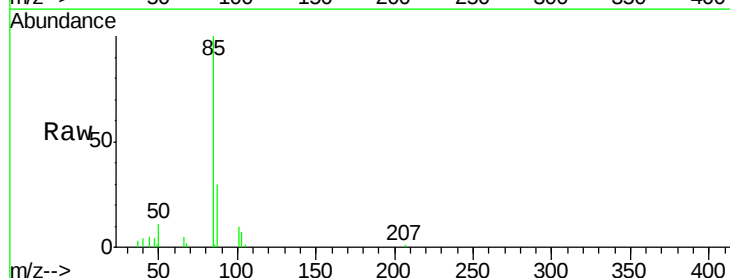
Acq: 20 Aug 2020 00:04

Tgt Ion: 85 Resp: 37433

Ion Ratio Lower Upper

85 100

87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

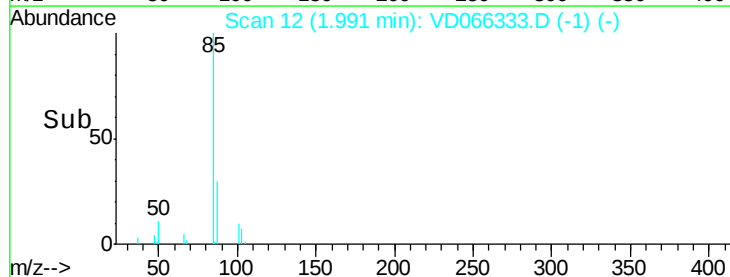
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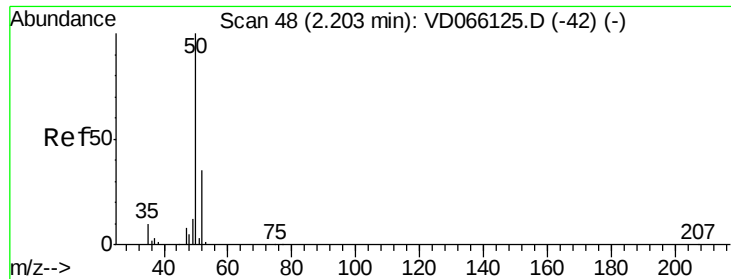
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.232 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 50 Resp: 29284

Ion Ratio Lower Upper

50 100

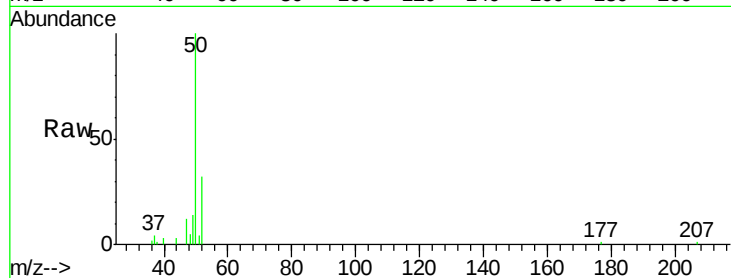
52 32.0 27.9 41.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

15000

10000

5000

0

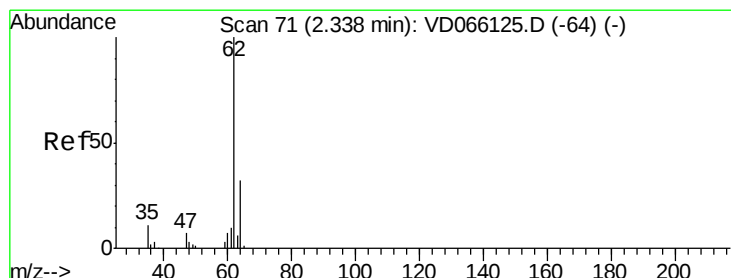
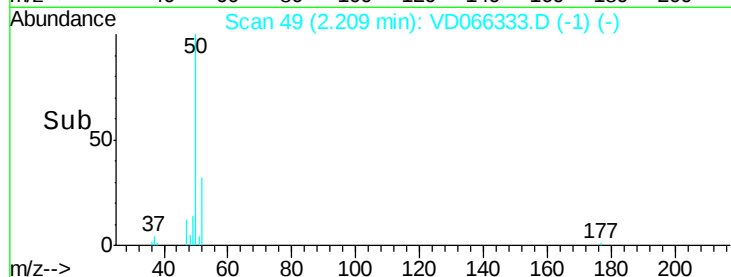
Time-->

2.15

2.20

2.25

2.30



#4

Vinyl Chloride

Concen: 21.528 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066333.D

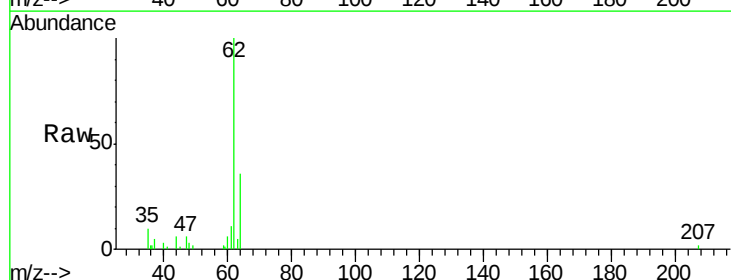
Acq: 20 Aug 2020 00:04

Tgt Ion: 62 Resp: 26287

Ion Ratio Lower Upper

62 100

64 36.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

15000

10000

5000

0

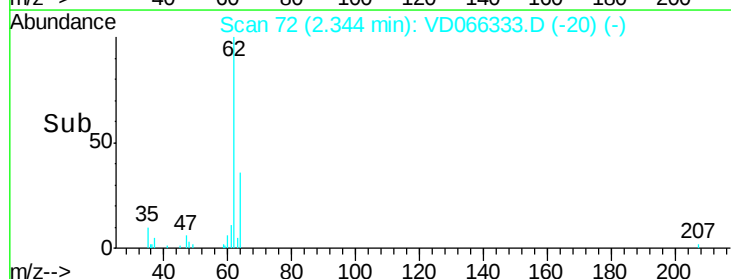
Time-->

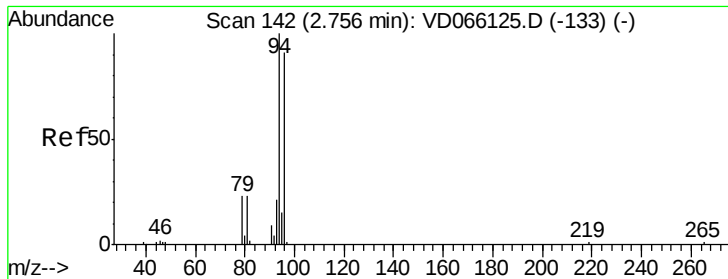
2.30

2.35

2.40

2.45





#5

Bromomethane

Concen: 26.051 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

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VD0819SBS02

Tot Ion: 94 Resp: 21104

Ion Ratio Lower Upper

94 100

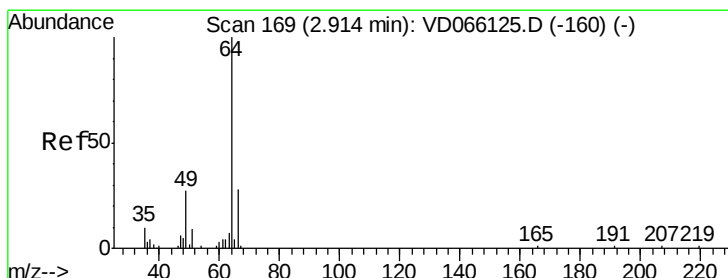
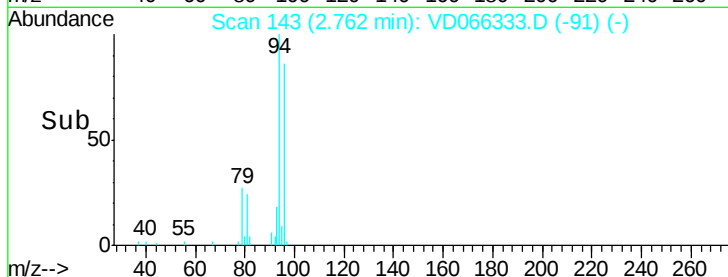
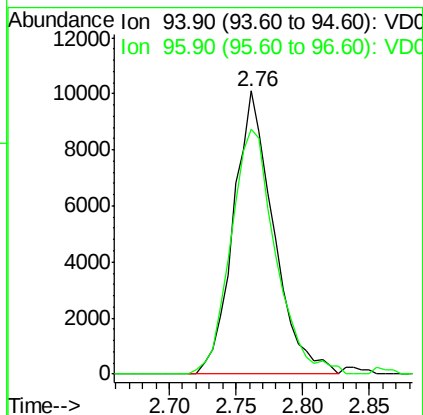
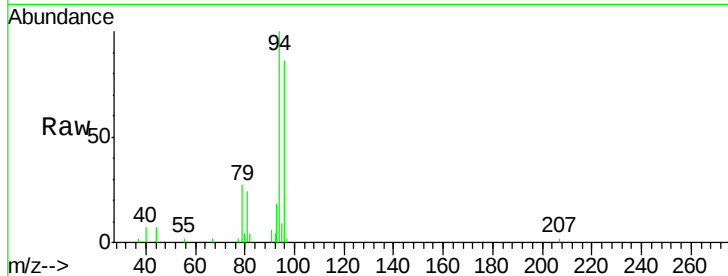
96 86.4 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 23.081 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066333.D

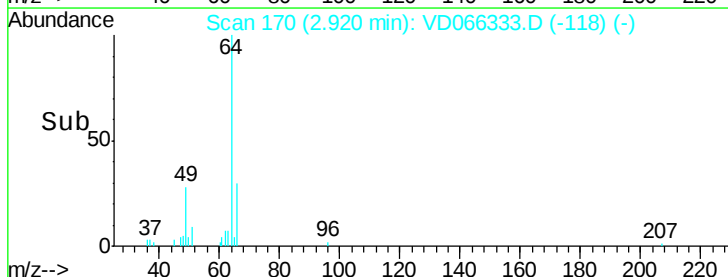
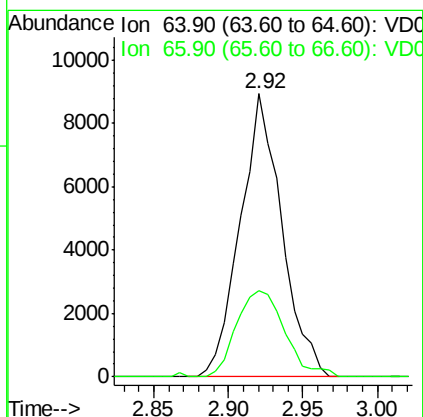
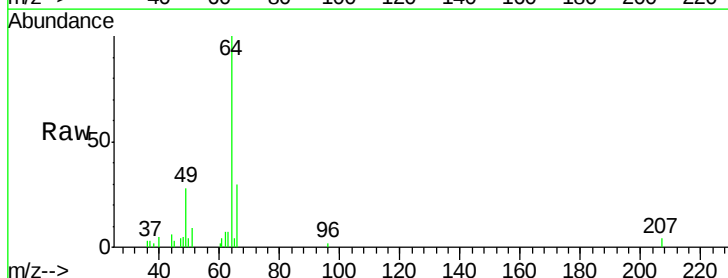
Acq: 20 Aug 2020 00:04

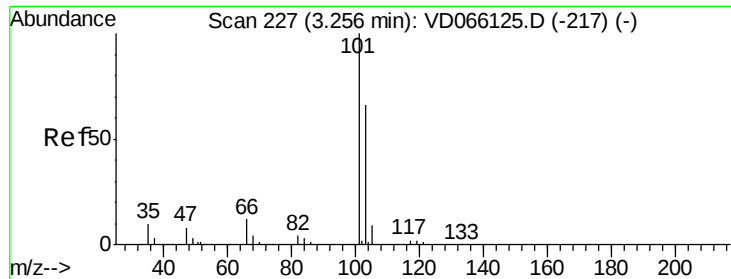
Tgt Ion: 64 Resp: 17300

Ion Ratio Lower Upper

64 100

66 30.5 22.0 33.0





#7

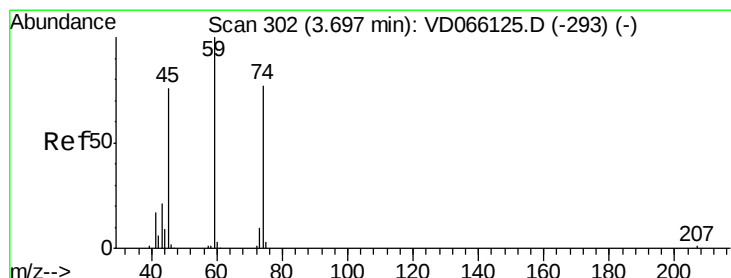
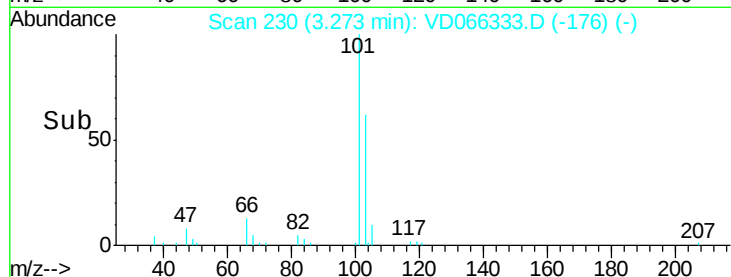
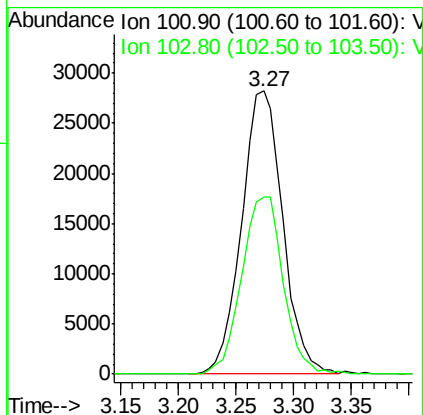
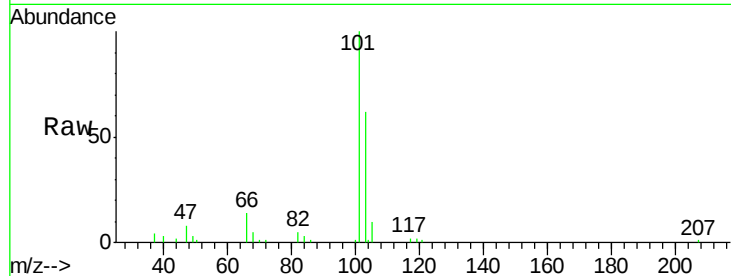
Trichlorofluoromethane
Concen: 22.024 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

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ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	53.0	79.6

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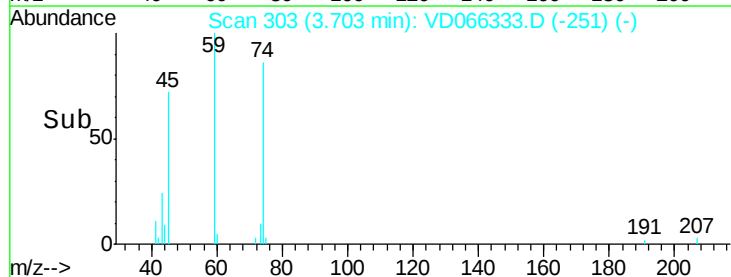
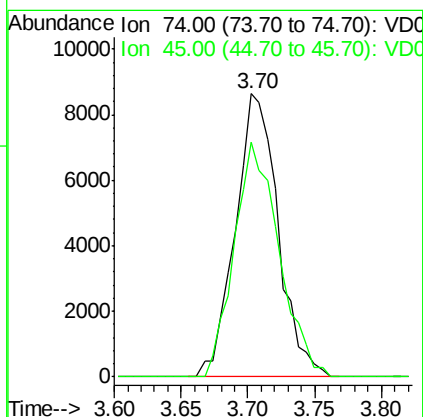
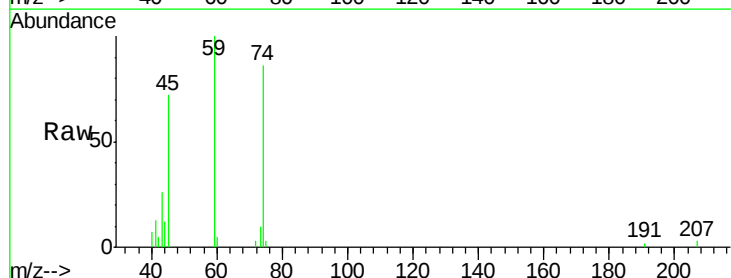
MMDadoda
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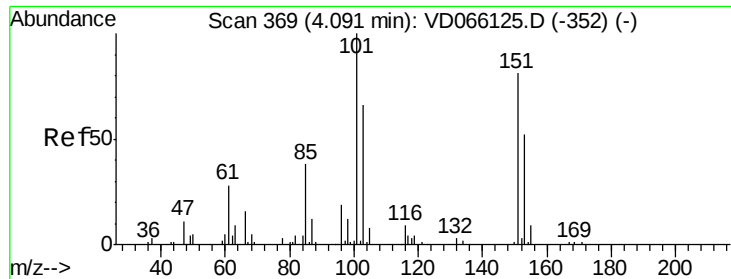


#8

Diethyl Ether
Concen: 21.306 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.813 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

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MSVOA_D

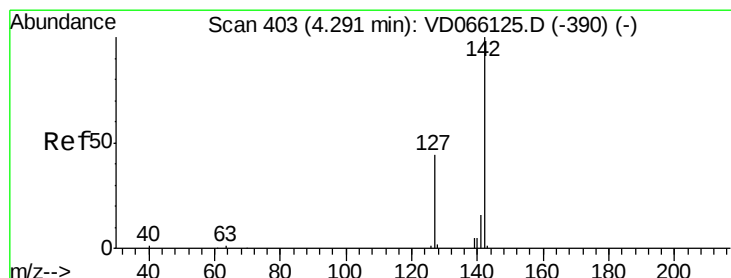
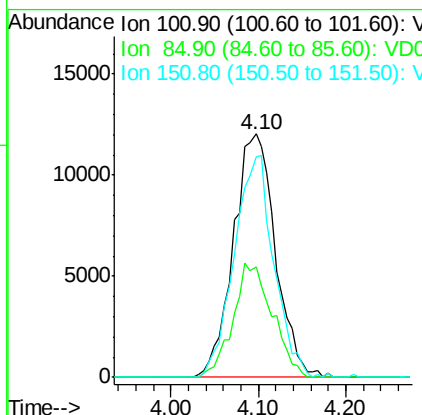
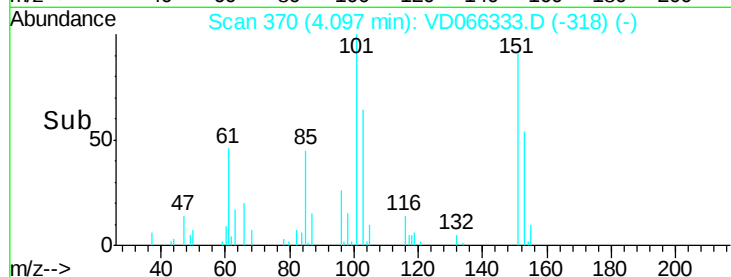
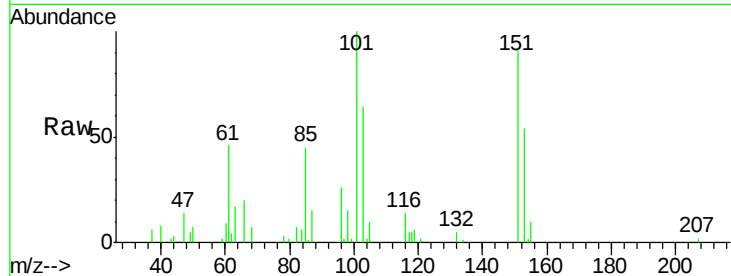
ClientSampleId :

VD0819SBS02

Tot Ion:	101	Resp:	39320
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.5	50.3
151	85.8	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 27.254 ug/l

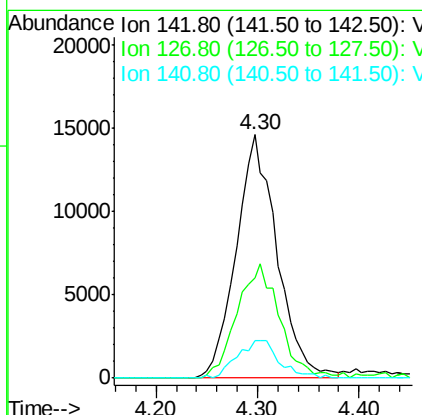
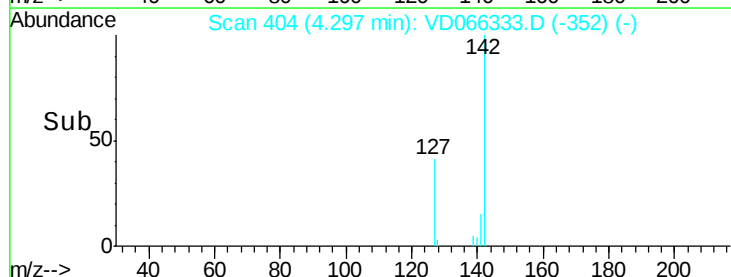
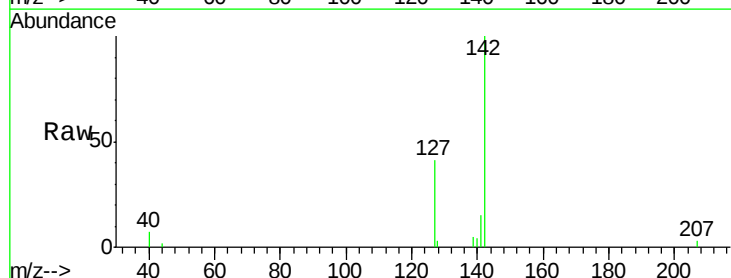
RT: 4.30 min Scan# 404

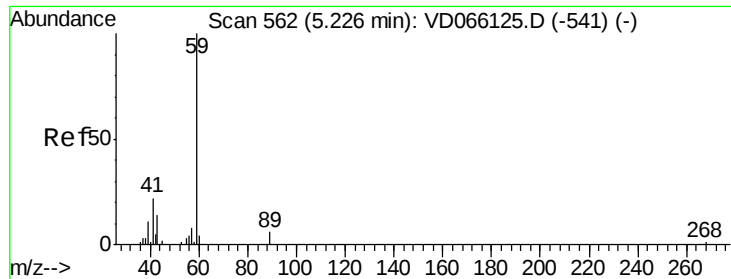
Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion:	142	Resp:	40811
Ion Ratio	Lower	Upper	
142	100		
127	49.0	36.2	54.4
141	16.1	12.6	18.8





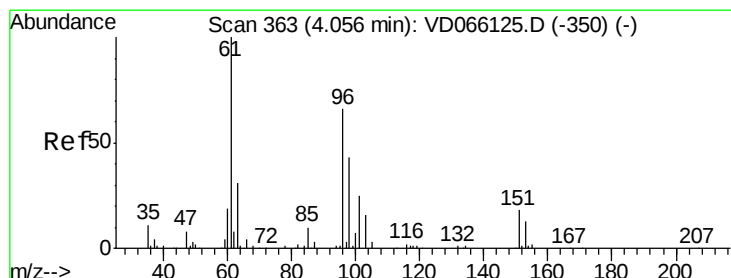
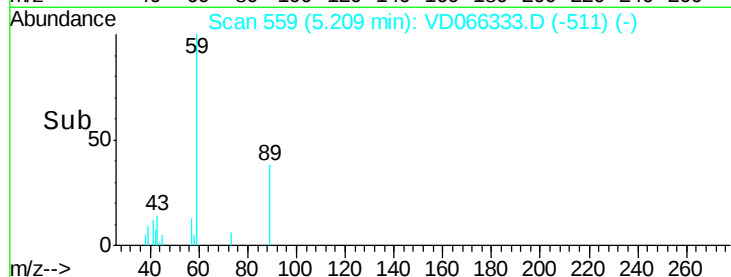
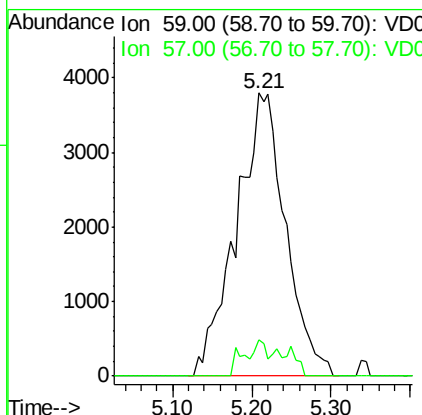
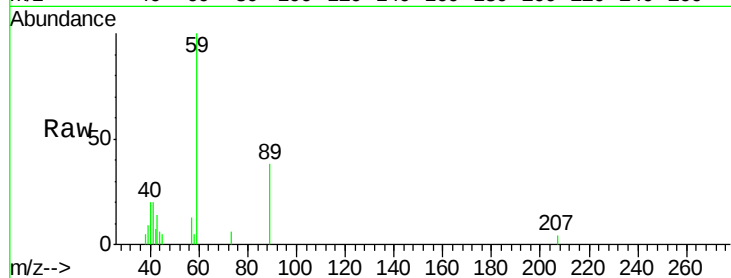
#11
Tert butyl alcohol
Concen: 99.410 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 59 Resp: 16395
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

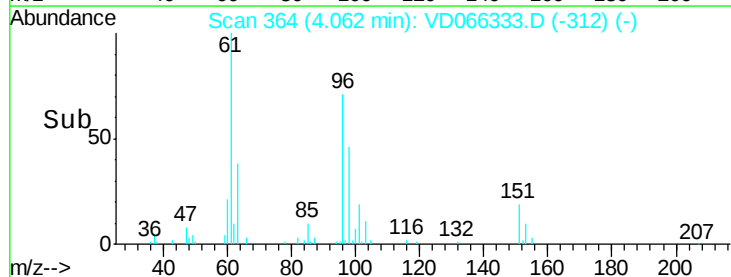
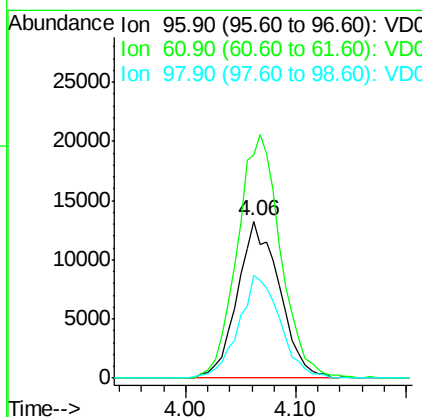
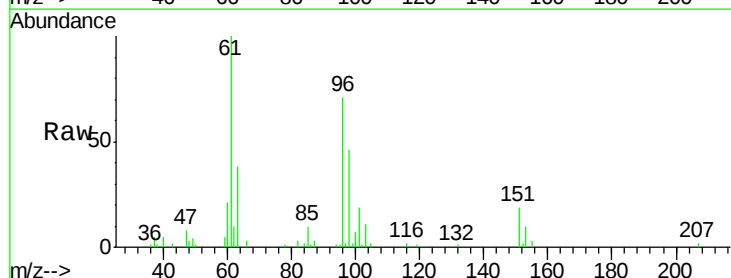
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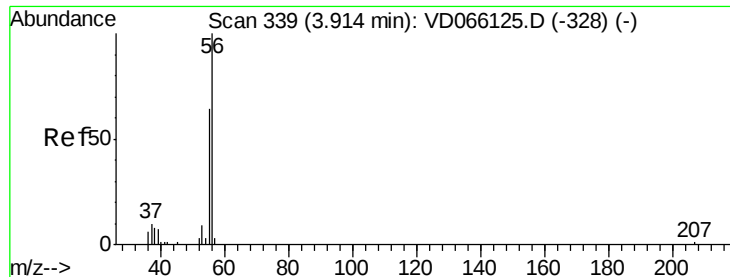
MMDadoda
8/20/2020 3:37:03 PM



#12
1,1-Dichloroethene
Concen: 19.875 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 96 Resp: 35421
Ion Ratio Lower Upper
96 100
61 141.8 121.6 182.4
98 65.3 52.0 78.0





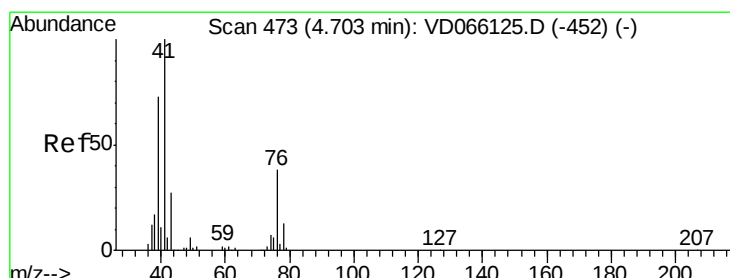
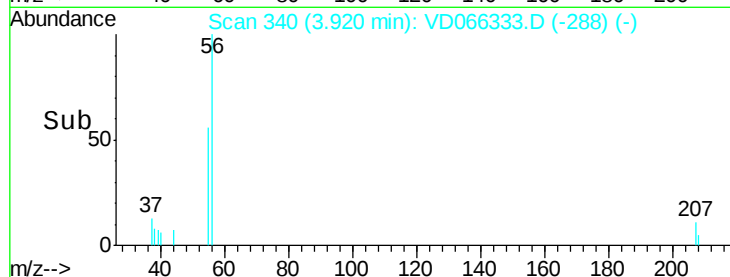
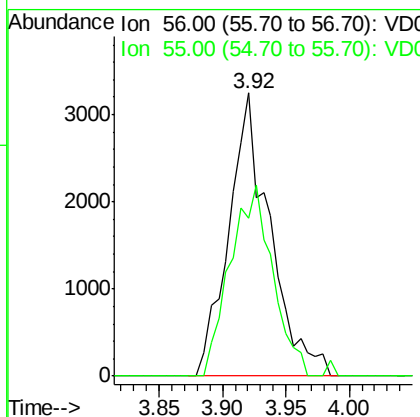
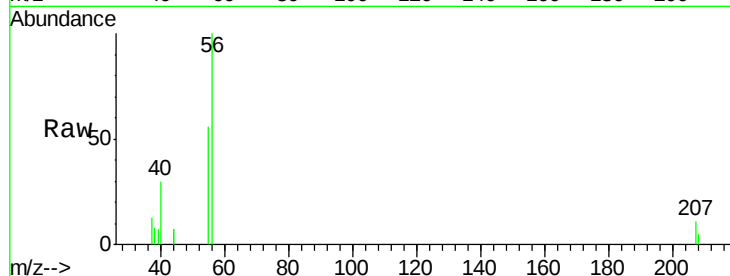
#13
Acrolein
Concen: 51.368 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.7	85.1

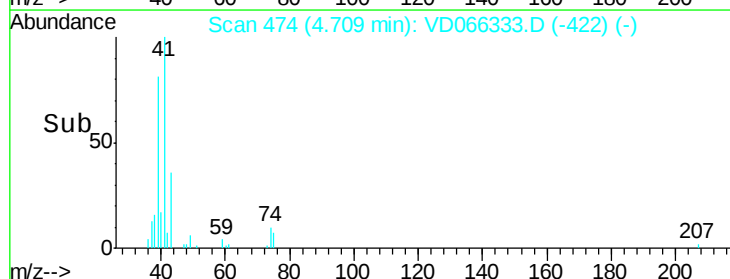
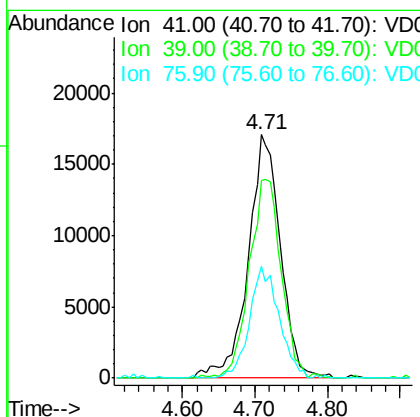
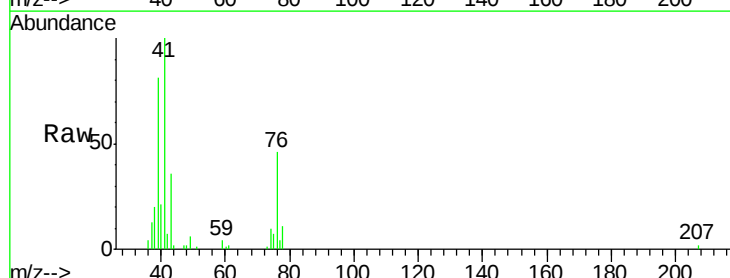
Manual Integrations
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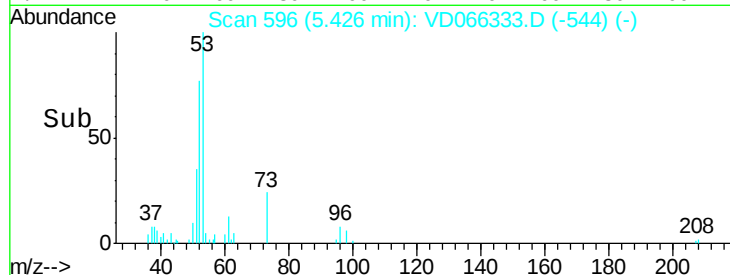
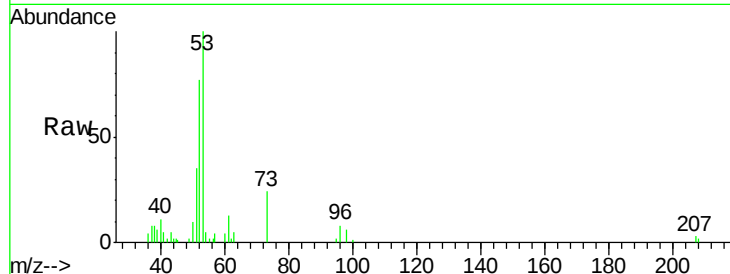
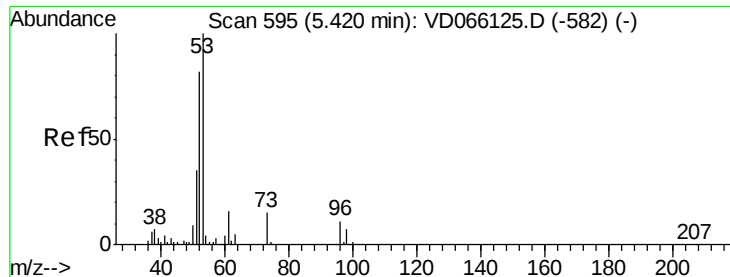
MMDadoda
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#14
Allyl chloride
Concen: 19.565 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.9	57.4	86.0
76	42.1	30.1	45.1





#15

Acrylonitrile

Concen: 104.235 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066333.D

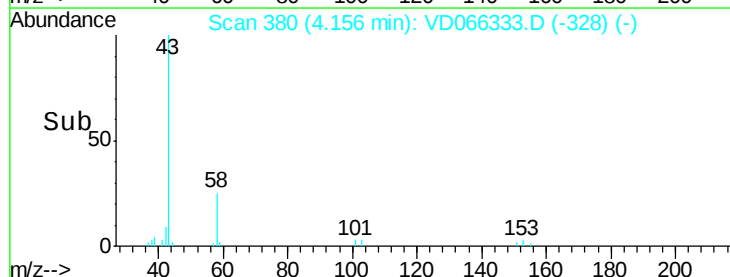
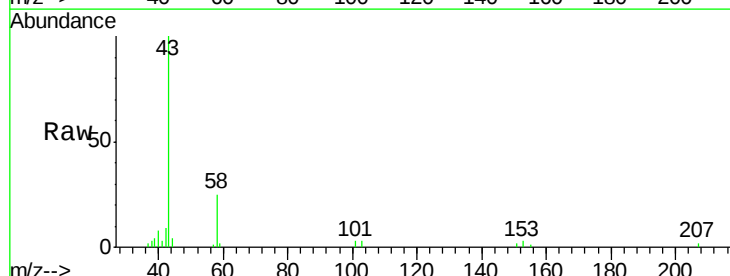
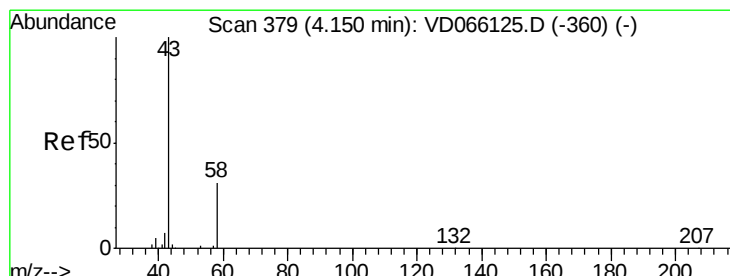
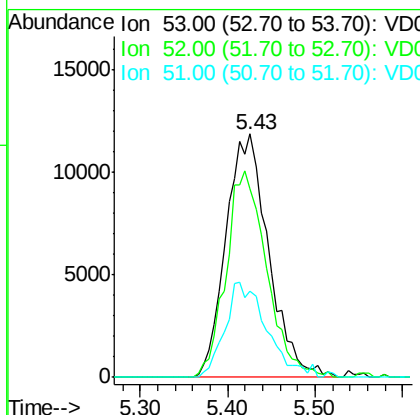
Acq: 20 Aug 2020 00:04

Tot Ion:	53	Resp:	39454
Ion Ratio	Lower	Upper	
53	100		
52	80.6	66.1	99.1
51	38.4	30.8	46.2

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

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#16

Acetone

Concen: 94.995 ug/l

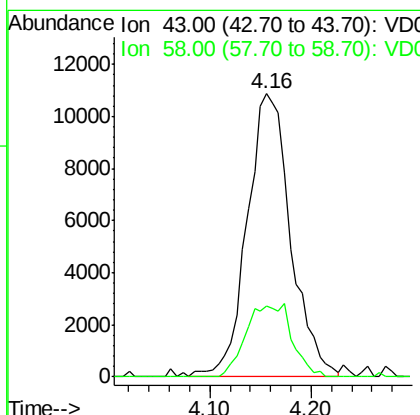
RT: 4.16 min Scan# 380

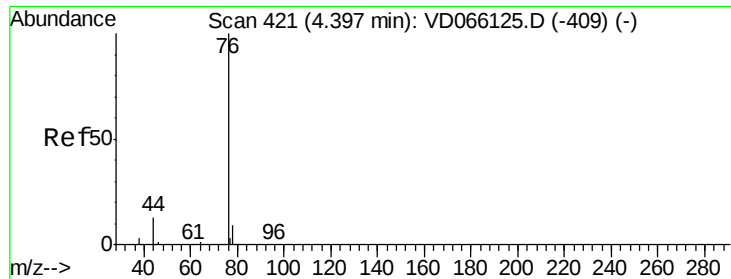
Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion:	43	Resp:	32361
Ion Ratio	Lower	Upper	
43	100		
58	25.0	24.7	37.1





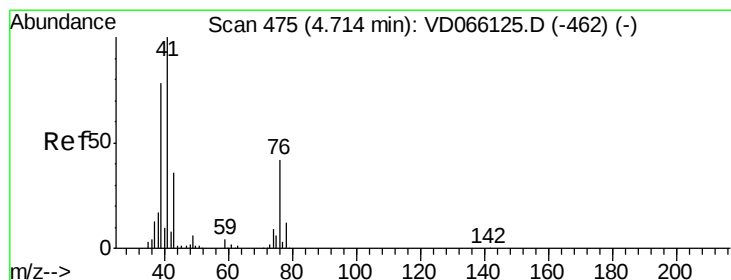
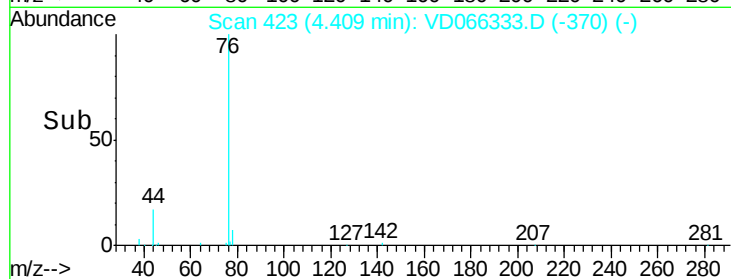
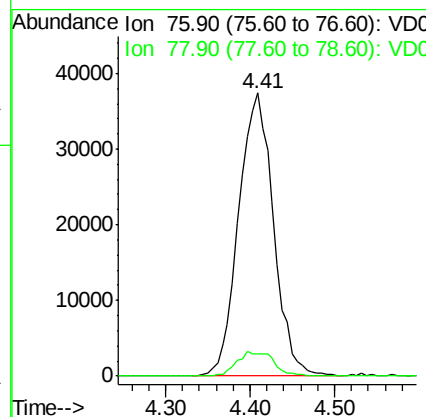
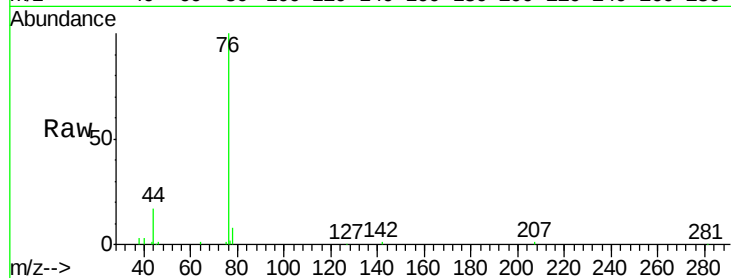
#17
Carbon Disulfide
Concen: 18.849 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.5	11.3

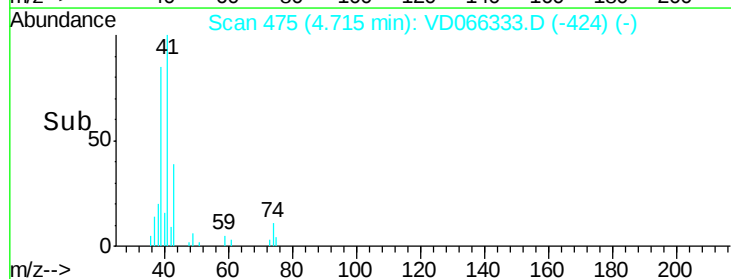
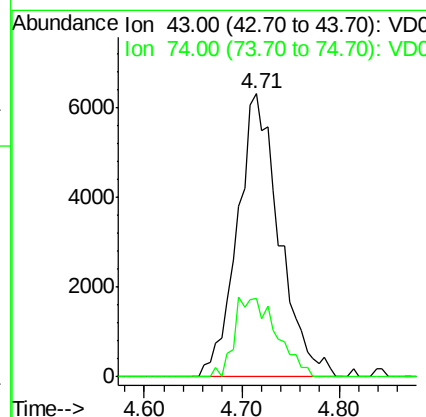
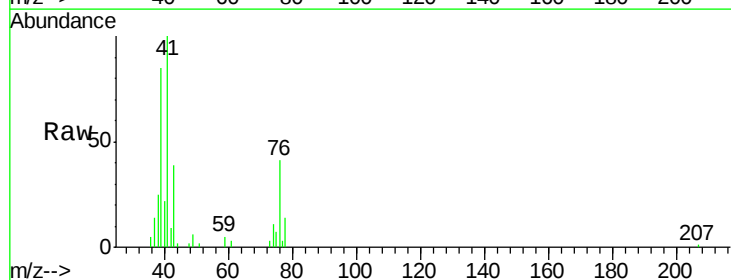
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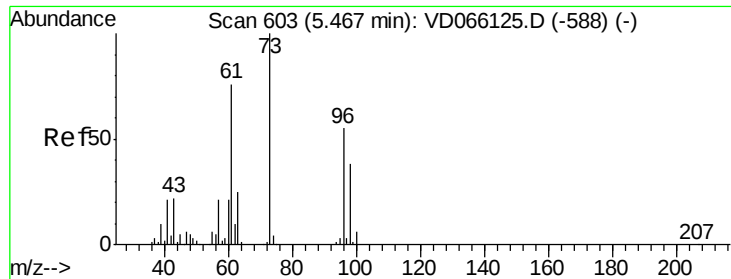
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#18
Methyl Acetate
Concen: 21.988 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	21.2	31.8





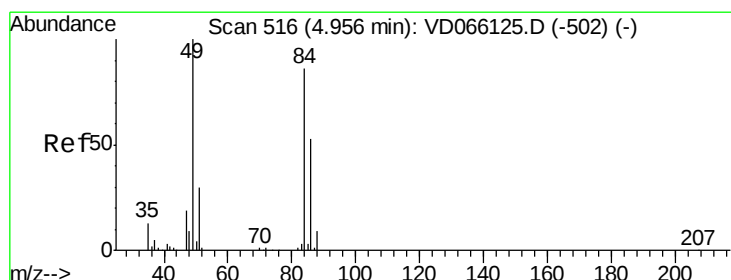
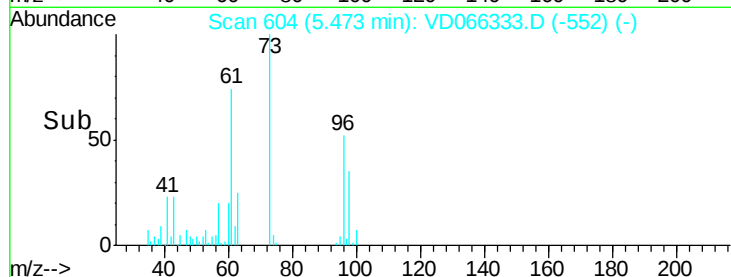
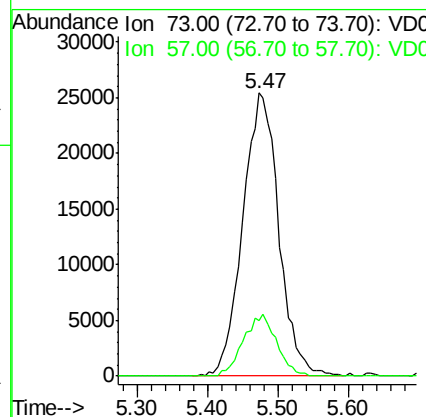
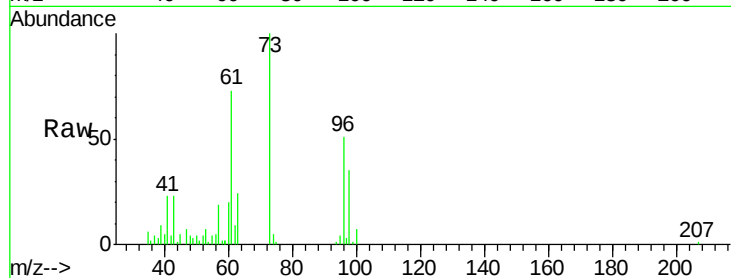
#19
Methyl tert-butyl Ether
Concen: 22.076 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 73 Resp: 90180
Ion Ratio Lower Upper
73 100
57 19.5 17.1 25.7

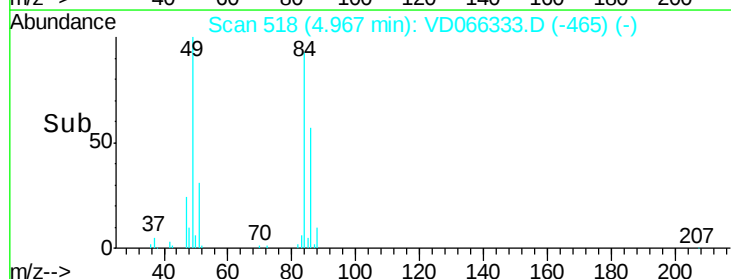
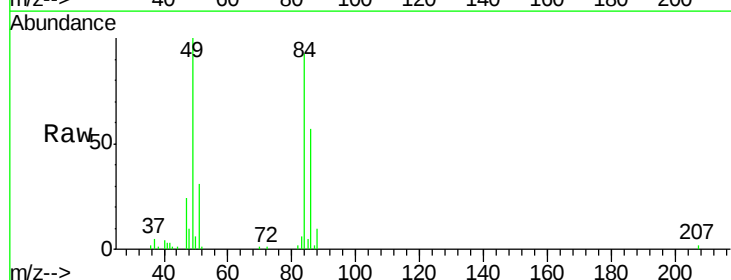
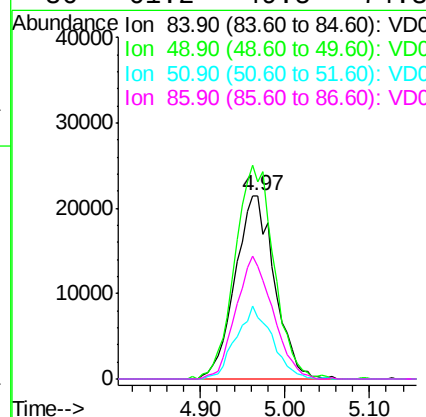
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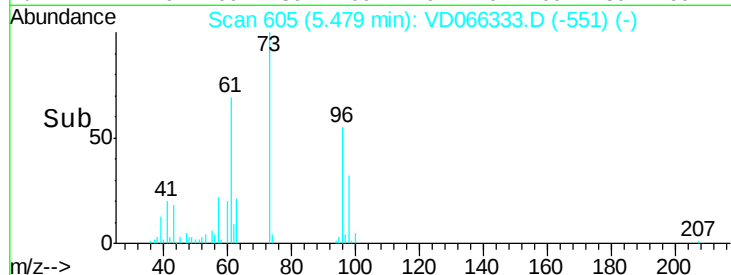
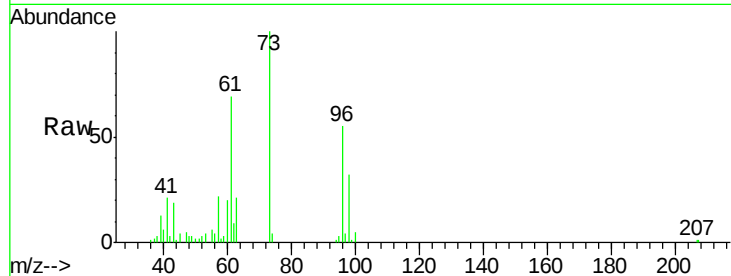
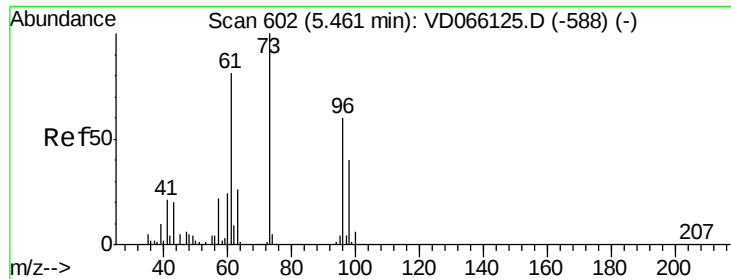
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#20
Methylene Chloride
Concen: 34.141 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 84 Resp: 69687
Ion Ratio Lower Upper
84 100
49 107.7 93.5 140.3
51 33.4 28.2 42.4
86 61.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.982 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.02 min

Lab File: VD066333.D

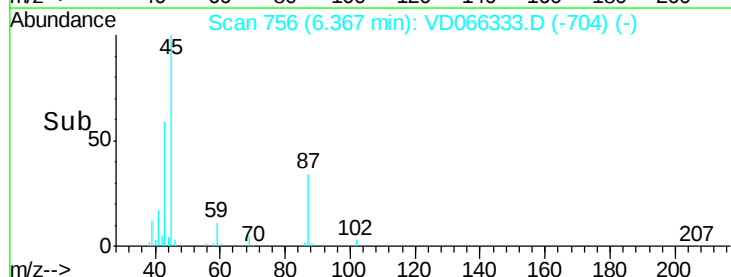
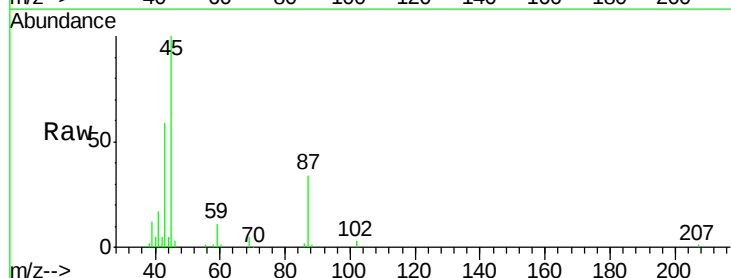
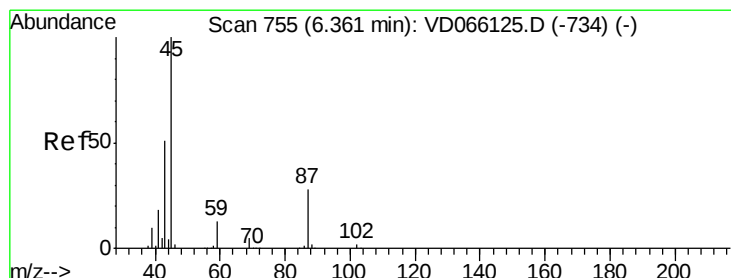
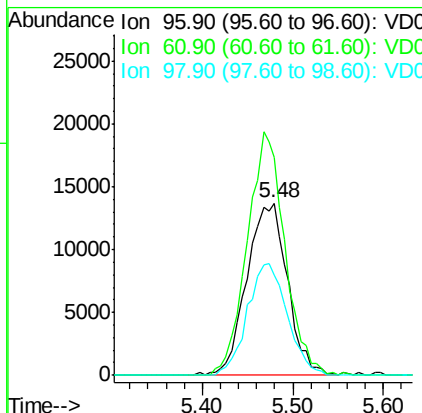
Acq: 20 Aug 2020 00:04

Tot Ion:	96	Resp:	42957
Ion	Ratio	Lower	Upper
96	100		
61	126.3	106.9	160.3
98	57.8	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.319 ug/l

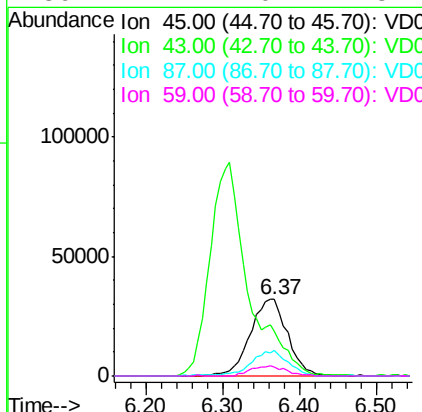
RT: 6.37 min Scan# 756

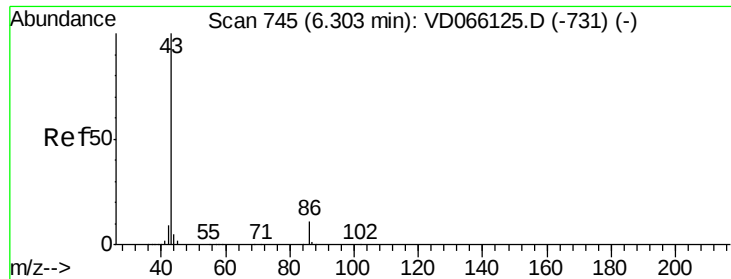
Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion:	45	Resp:	108491
Ion	Ratio	Lower	Upper
45	100		
43	57.4	41.2	61.8
87	33.8	22.8	34.2
59	11.1	10.2	15.2





#23

Vinyl Acetate

Concen: 99.116 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleID :

VD0819SBS02

Tot Ion: 43 Resp: 310034

Ion Ratio Lower Upper

43 100

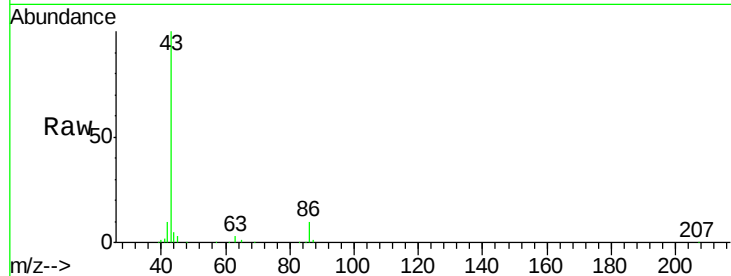
86 9.7 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

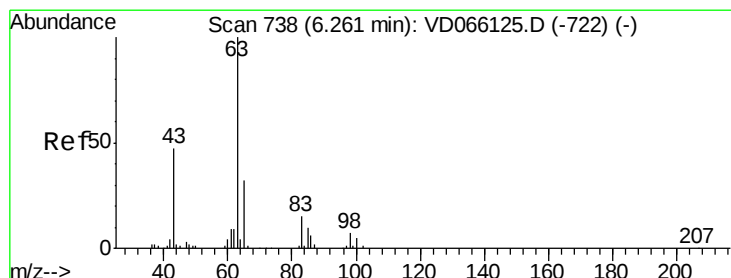
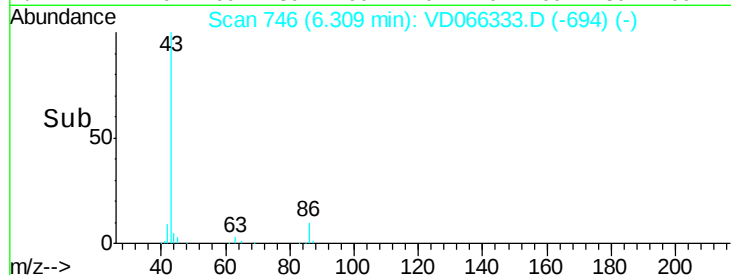
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.959 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

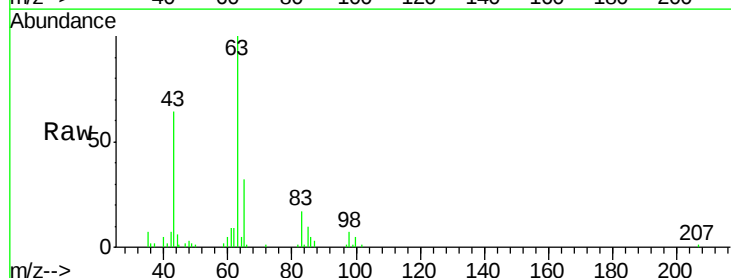
Tgt Ion: 63 Resp: 72561

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

25000

20000

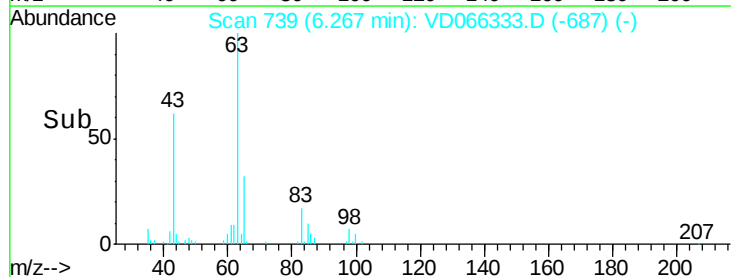
15000

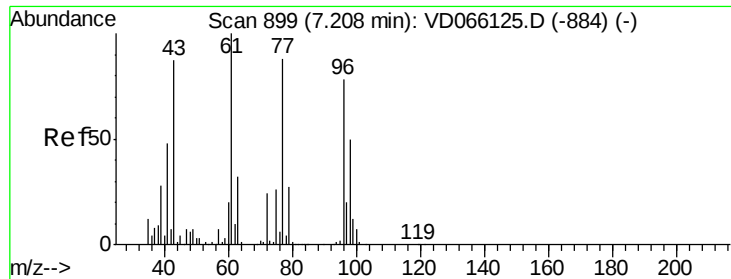
10000

5000

0

Time-->





#25

2-Butanone

Concen: 93.256 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 43 Resp: 46726

Ion Ratio Lower Upper

43 100

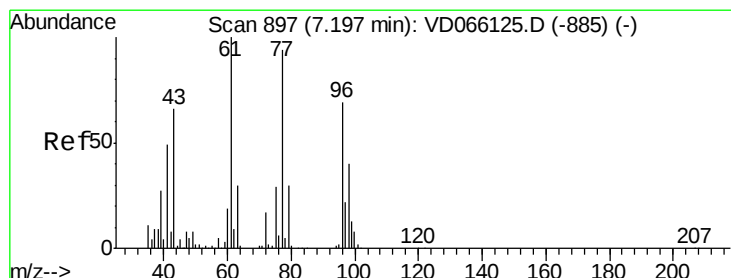
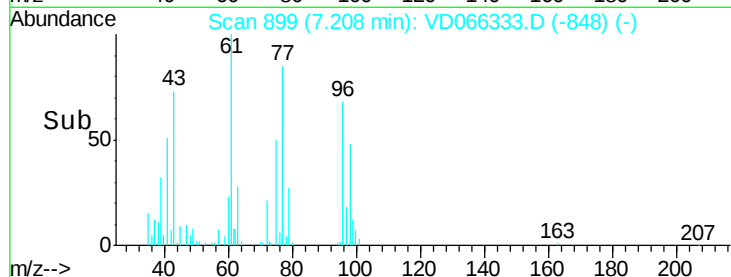
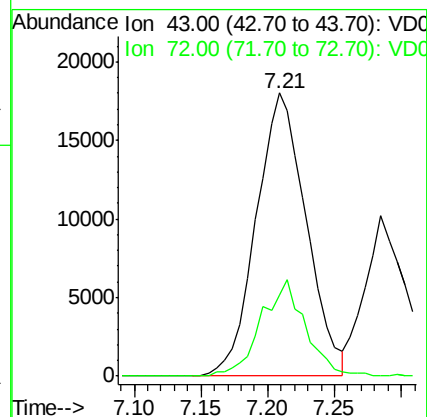
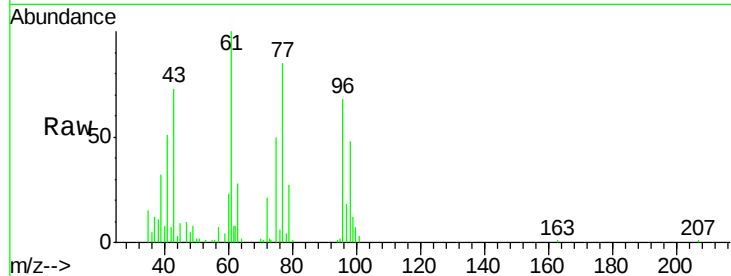
72 29.0 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.721 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066333.D

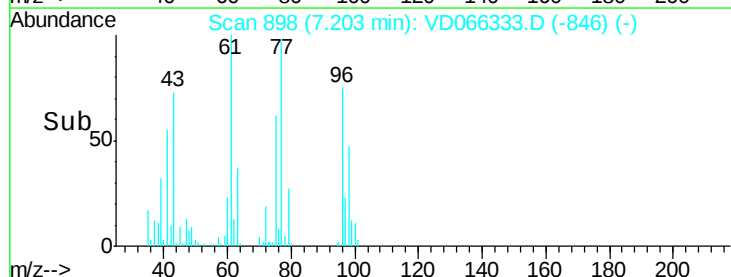
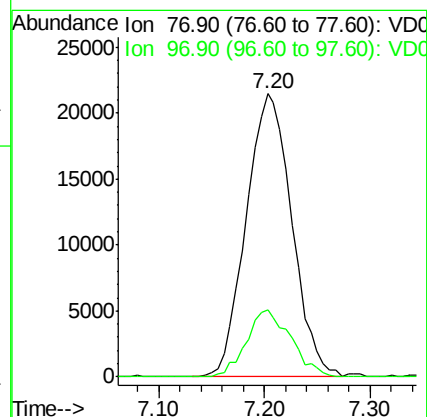
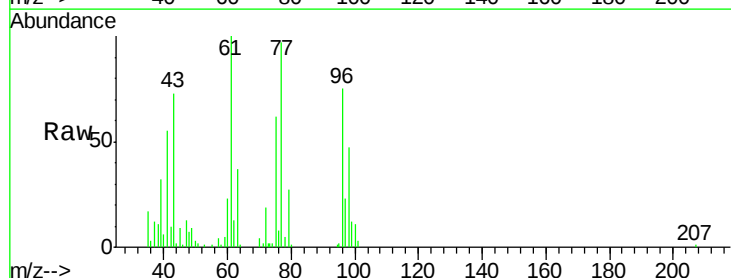
Acq: 20 Aug 2020 00:04

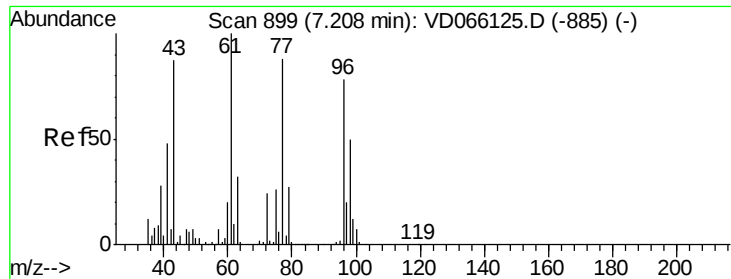
Tgt Ion: 77 Resp: 64327

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





#27

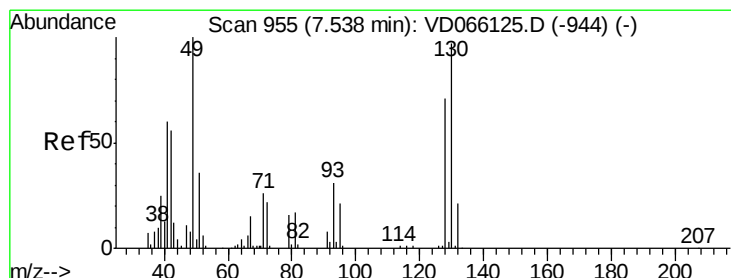
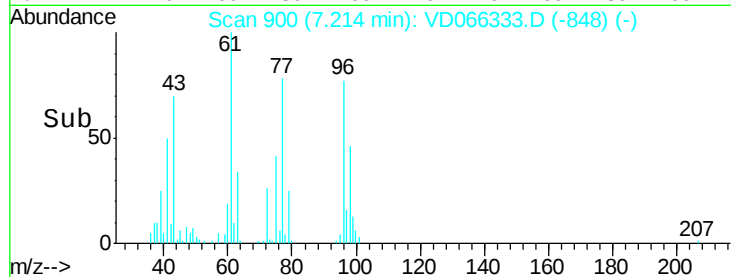
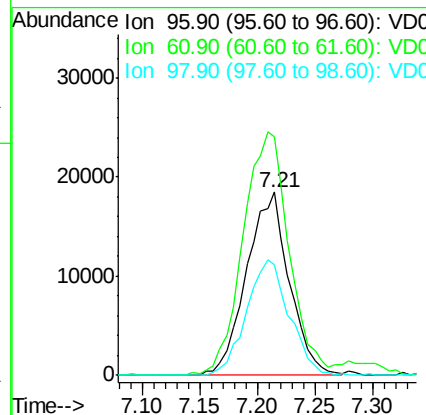
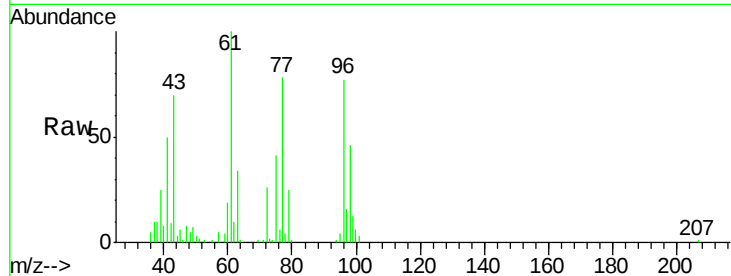
cis-1,2-Dichloroethene
Concen: 22.218 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	281.6
98	63.1	0.0	130.8

Manual Integrations
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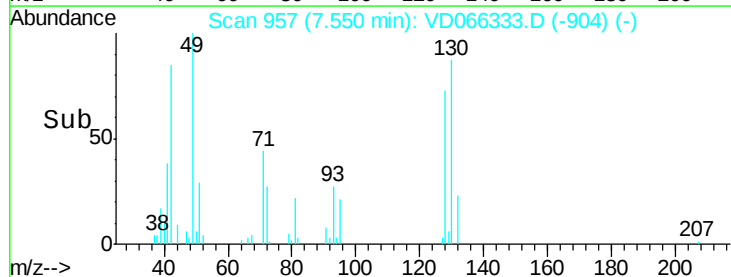
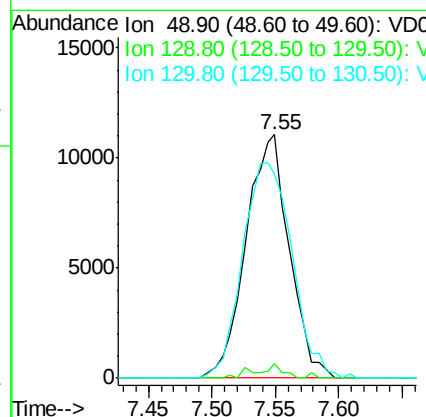
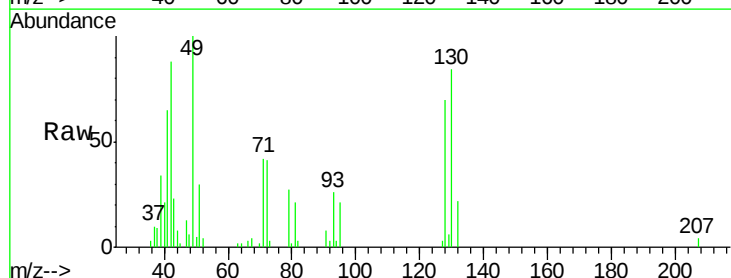
MMDadoda
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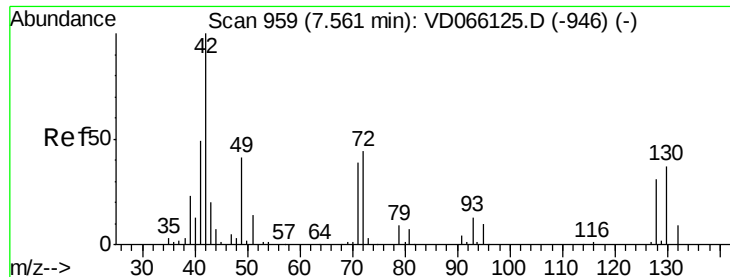


#28

Bromochloromethane
Concen: 22.627 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	6.0
130	101.1	73.8	110.6





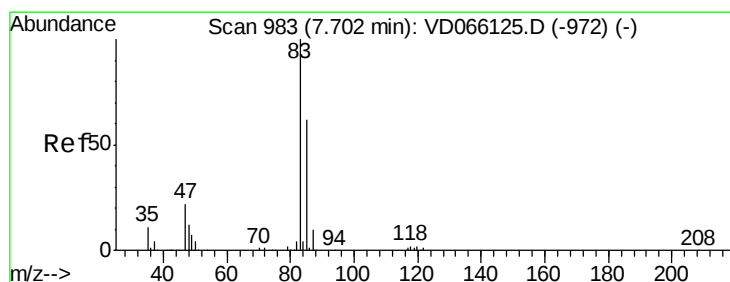
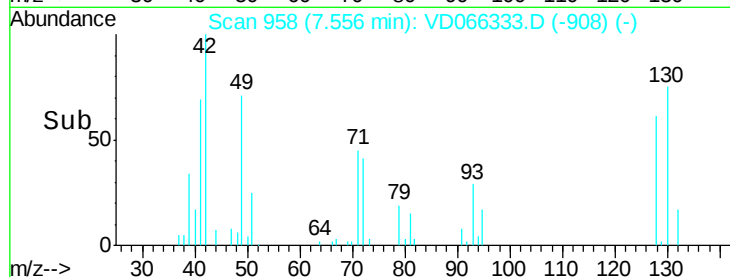
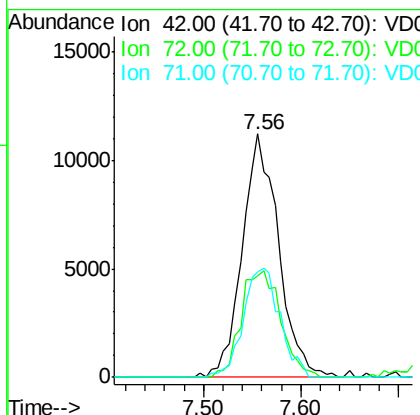
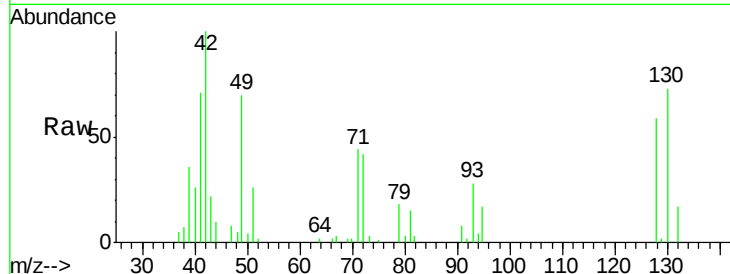
#29
Tetrahydrofuran
Concen: 93.692 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.8	52.2
71	45.4	33.5	50.3

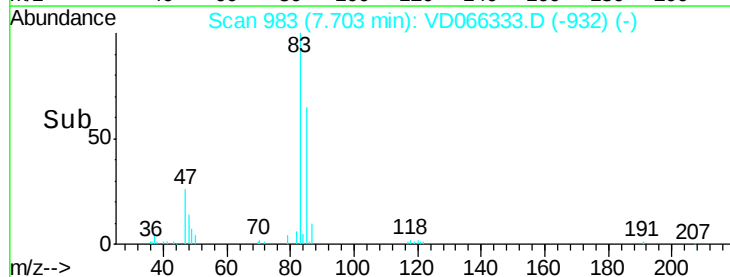
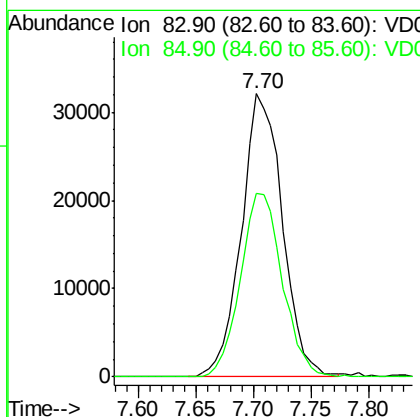
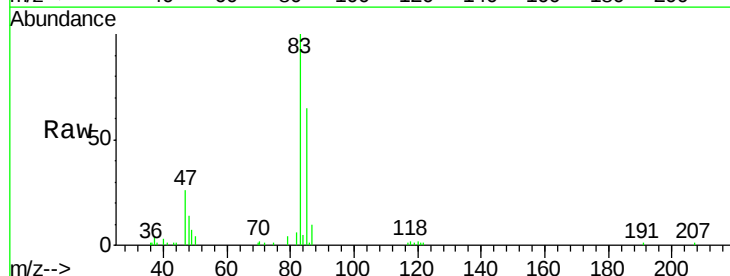
Manual Integrations
APPROVED

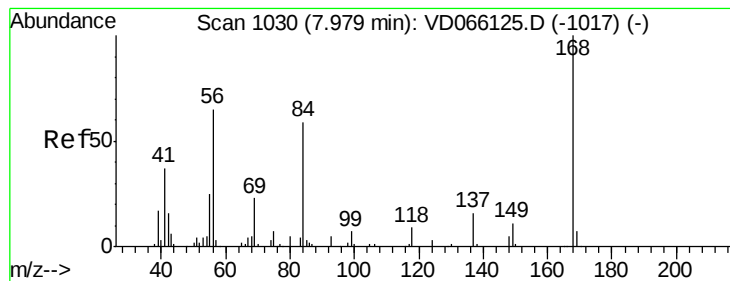
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#30
Chloroform
Concen: 22.880 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.5	74.3





#31

Cyclohexane

Concen: 17.670 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 56 Resp: 55579

Ion Ratio Lower Upper

56 100

69 36.3 28.8 43.2

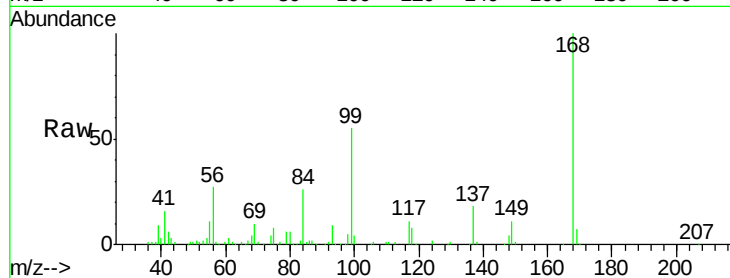
84 96.5 73.0 109.6

Manual Integrations

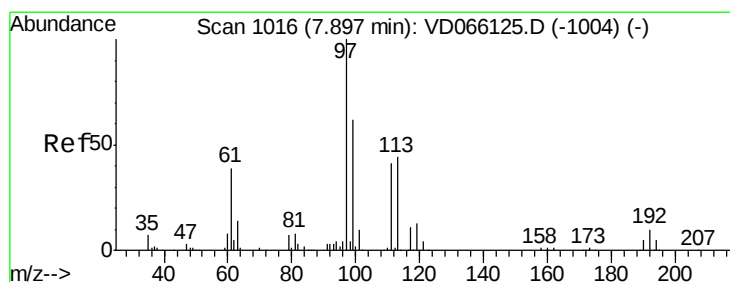
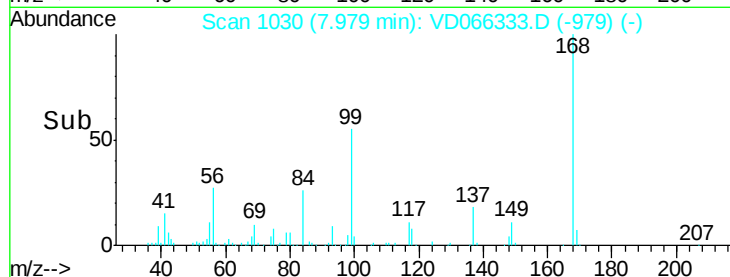
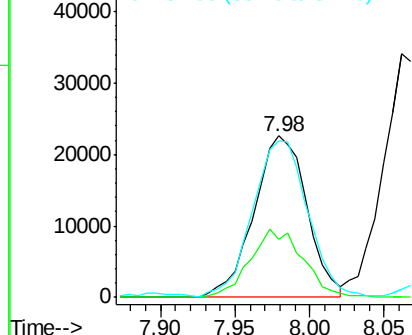
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 23.024 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

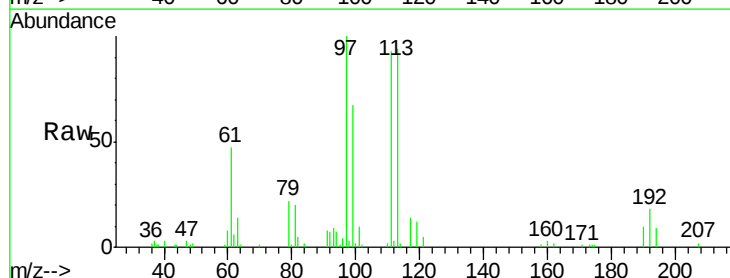
Tgt Ion: 97 Resp: 74900

Ion Ratio Lower Upper

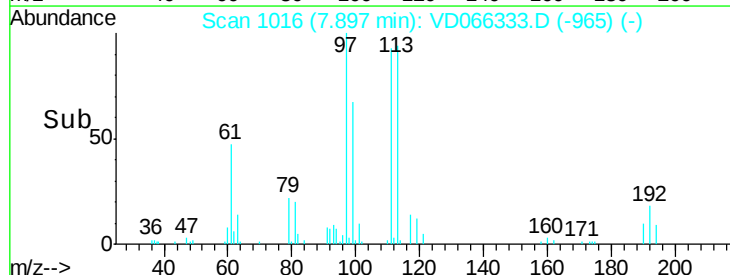
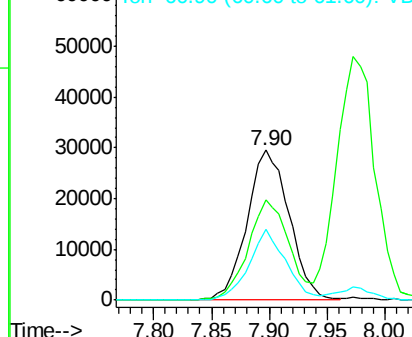
97 100

99 65.3 51.1 76.7

61 41.3 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





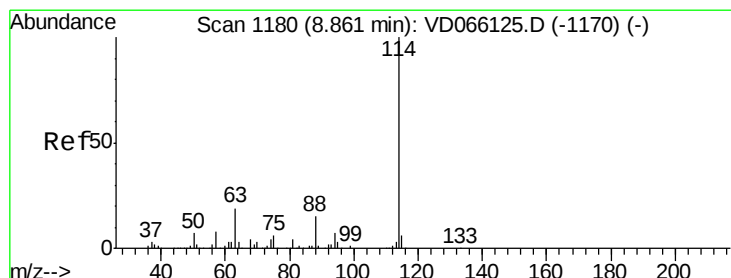
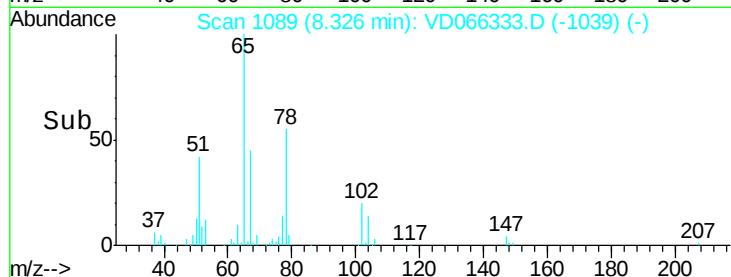
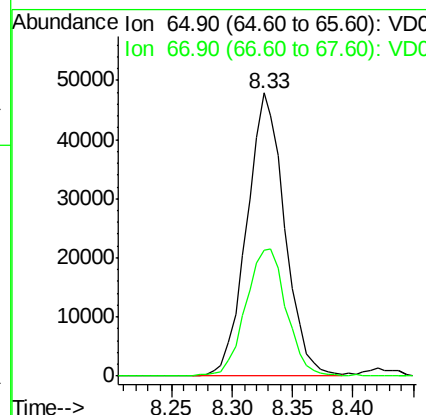
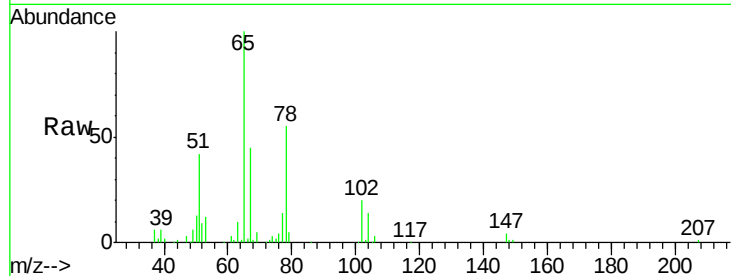
#33
 1,2-Dichloroethane-d4
 Concen: 58.303 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104677		
67	47.8	0.0	104.6	

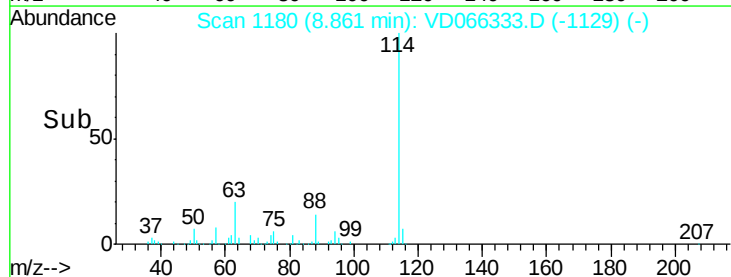
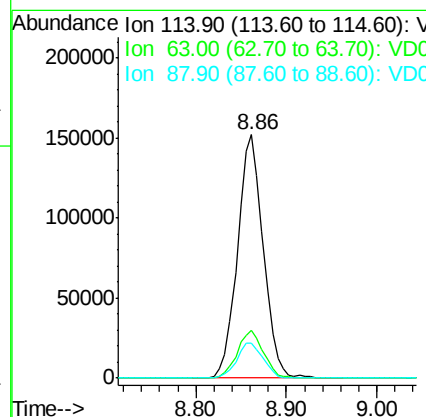
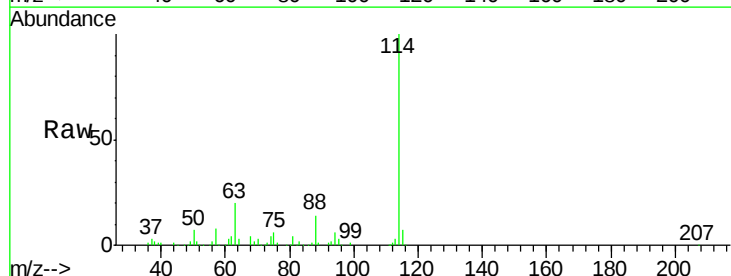
Manual Integrations
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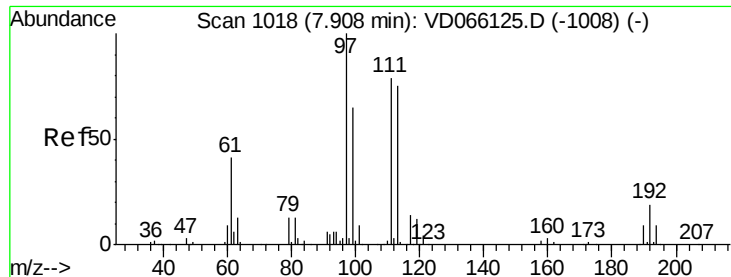
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	300835		
63	19.5	0.0	38.6	
88	14.5	0.0	30.0	





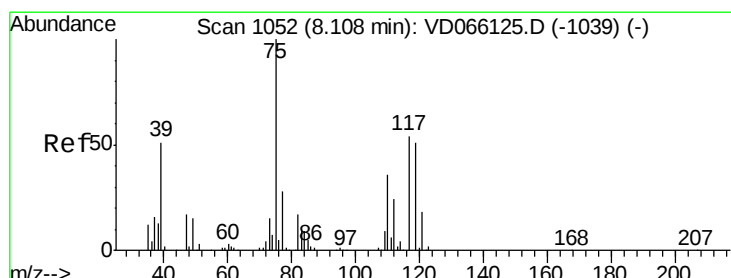
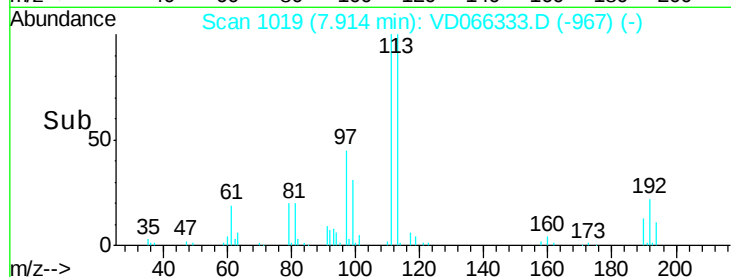
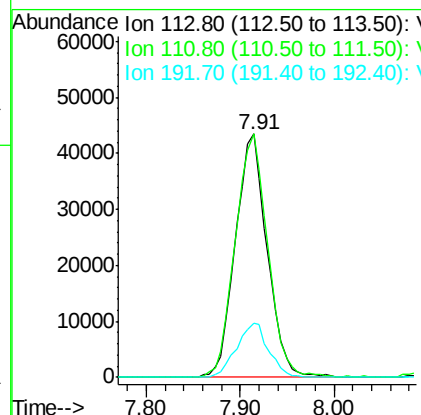
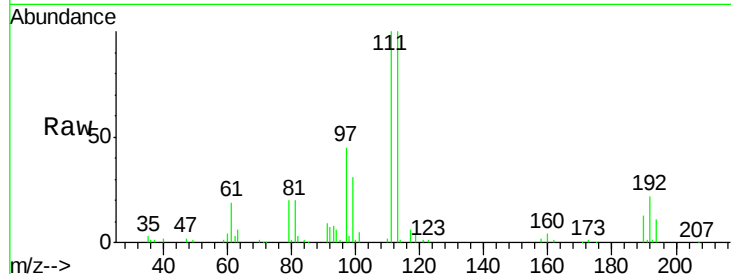
#35
Dibromofluoromethane
Concen: 53.419 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101804		
111	102.5	80.7	121.1	
192	22.5	18.4	27.6	

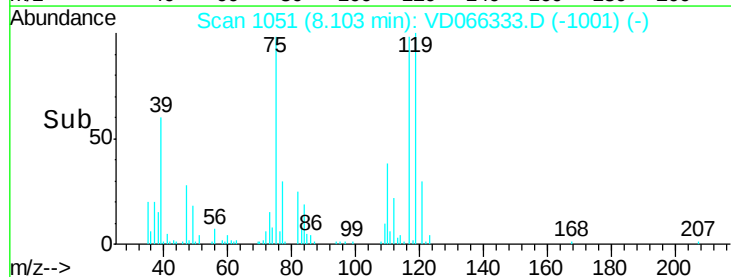
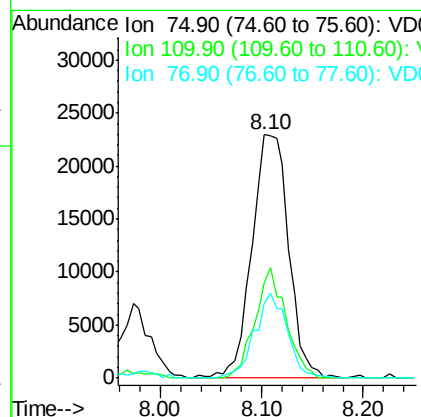
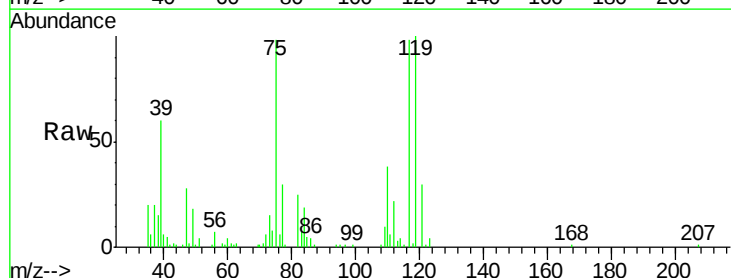
Manual Integrations
APPROVED

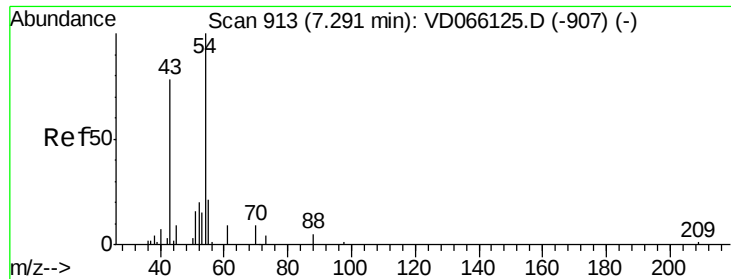
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#36
1,1-Dichloropropene
Concen: 20.430 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57755		
110	38.2	18.8	56.3	
77	30.8	24.2	36.2	





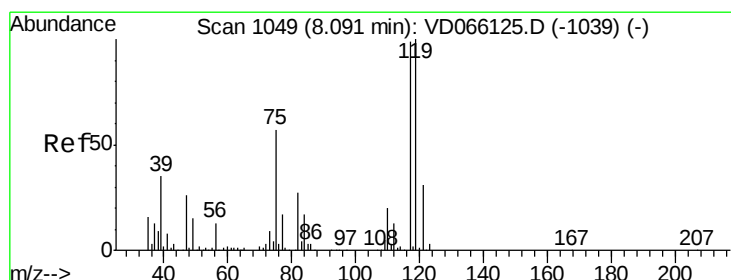
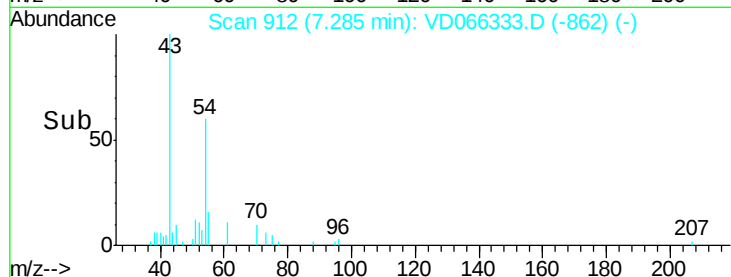
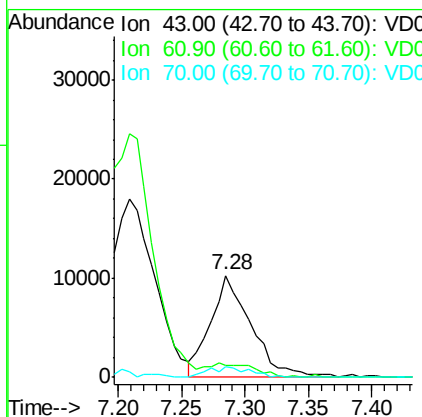
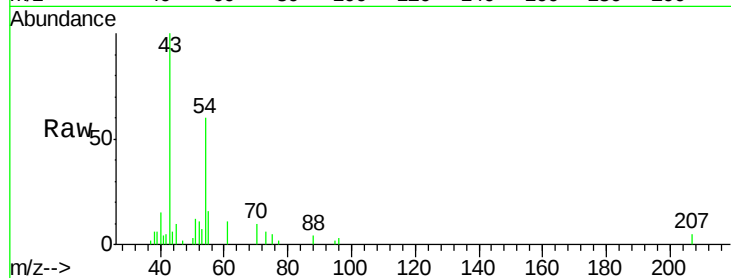
#37
Ethyl Acetate
Concen: 20.472 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	12.0	18.0
70	10.5	9.7	14.5

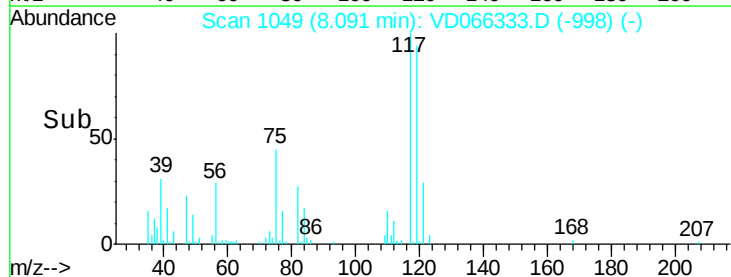
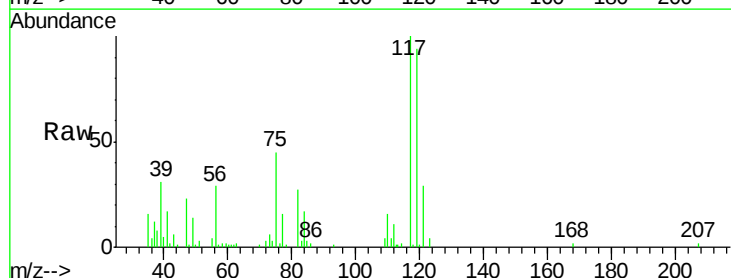
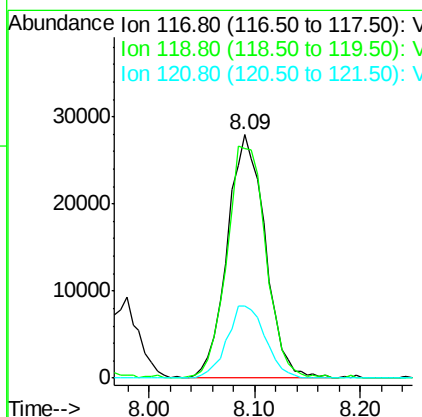
Manual Integrations
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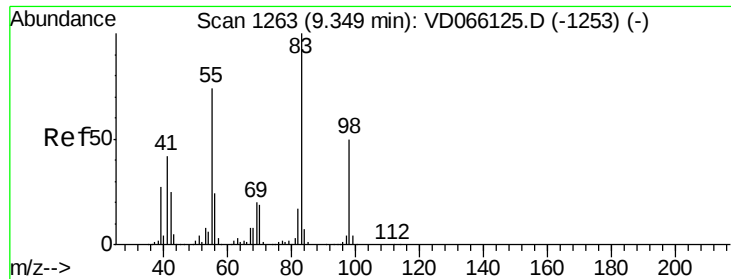
MMDadoda
8/20/2020 3:37:03 PM



#38
Carbon Tetrachloride
Concen: 22.068 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	81.0	121.4
121	29.4	24.8	37.2





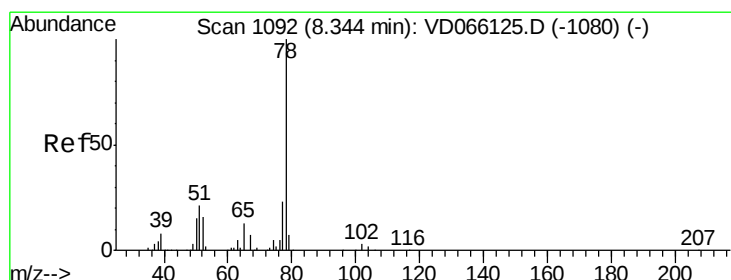
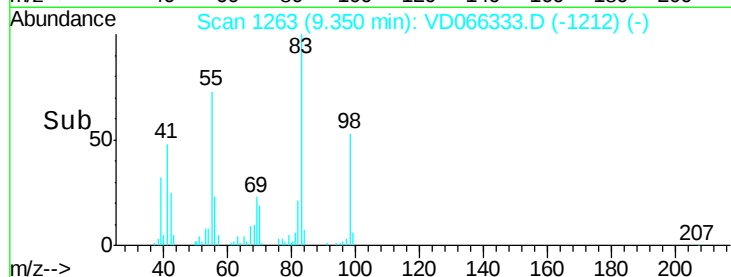
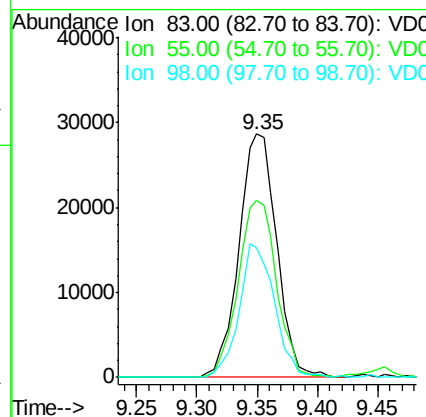
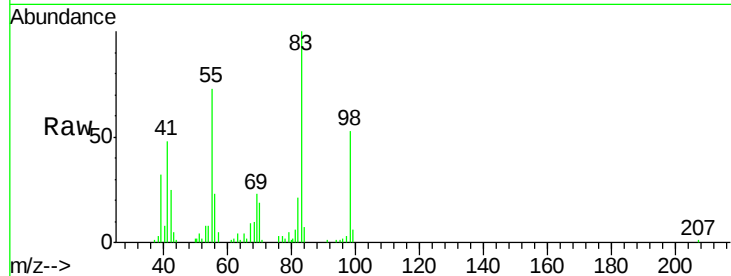
#39
Methvlcvclohexane
Concen: 18.293 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	62512		
55	73.0		59.2	88.8
98	53.1		39.8	59.6

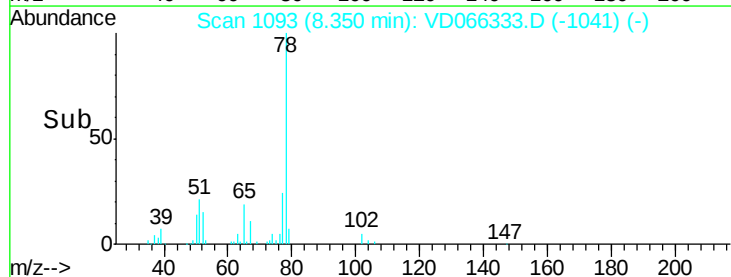
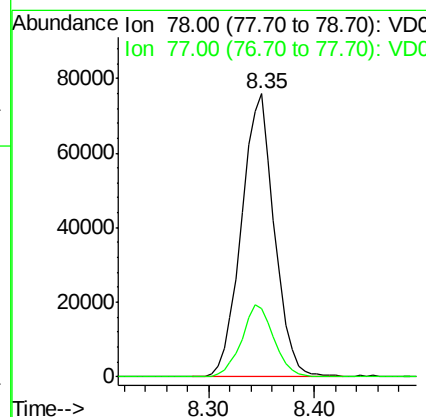
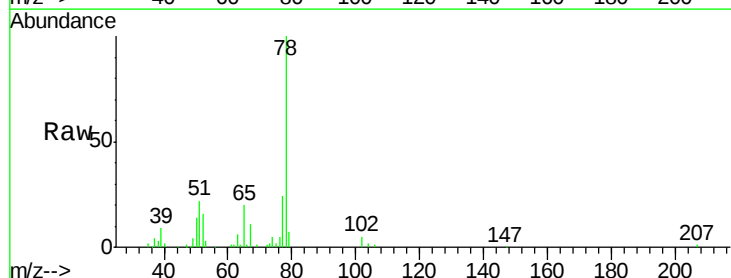
Manual Integrations
APPROVED

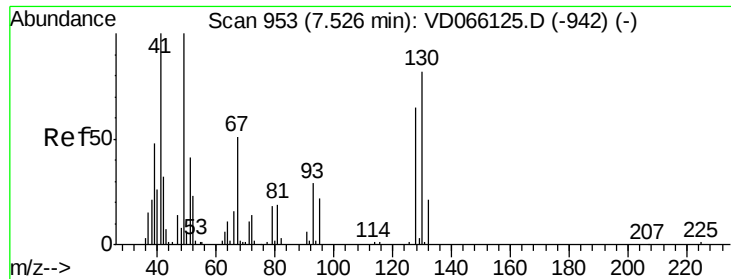
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#40
Benzene
Concen: 20.869 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	163656		
77	24.0		18.6	27.8





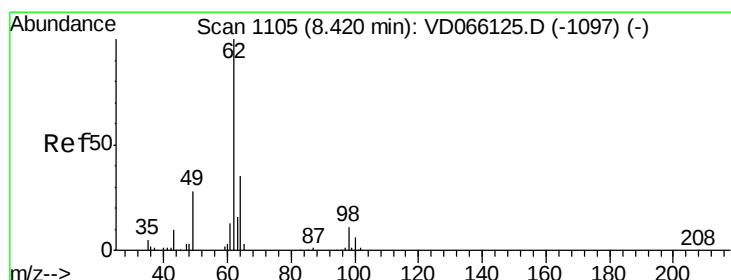
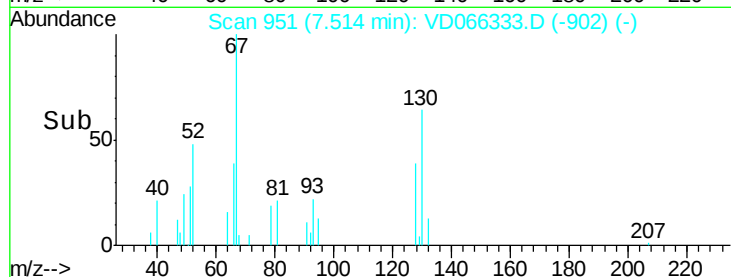
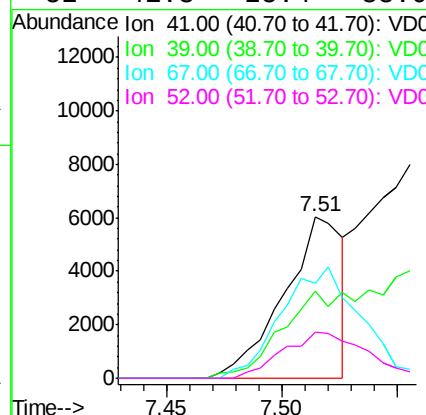
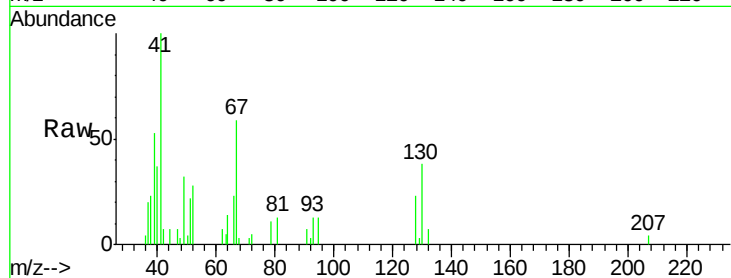
#41
Methacrylonitrile
Concen: 16.279 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.4	47.5	71.3#
67	91.5	59.1	88.7#
52	41.3	25.4	38.0#

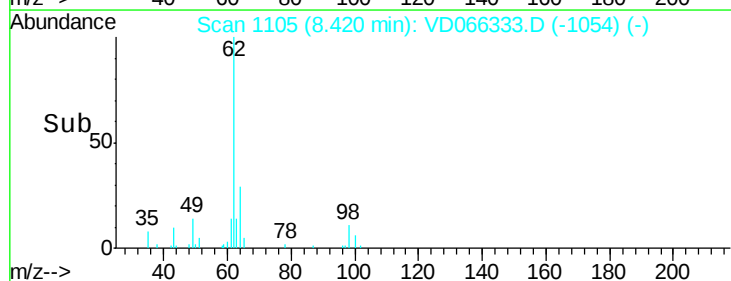
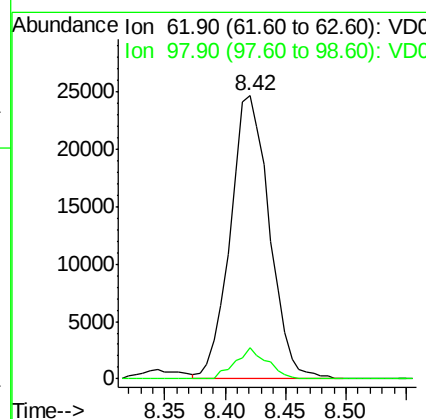
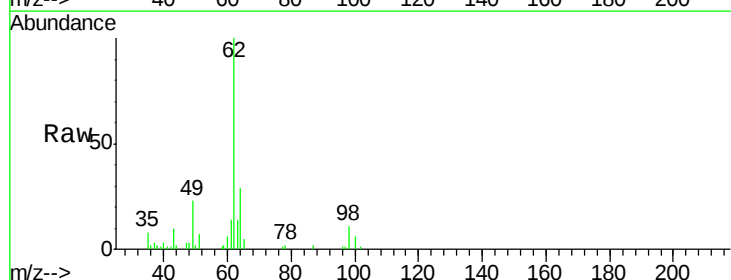
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 24.168 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.4





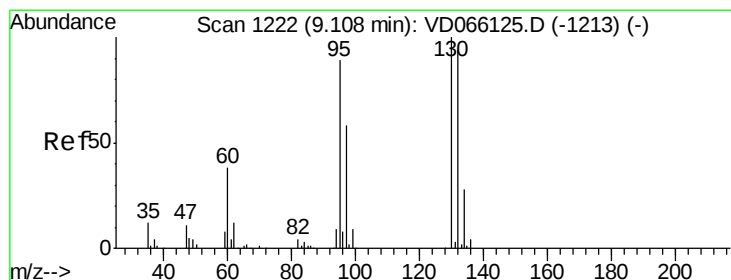
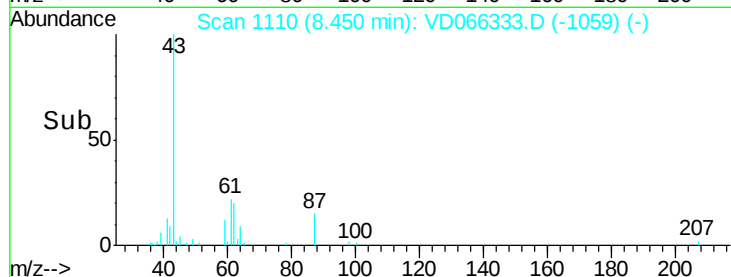
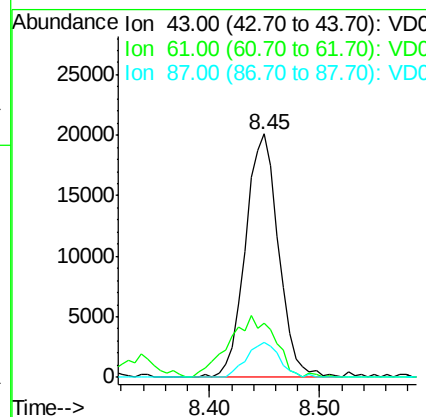
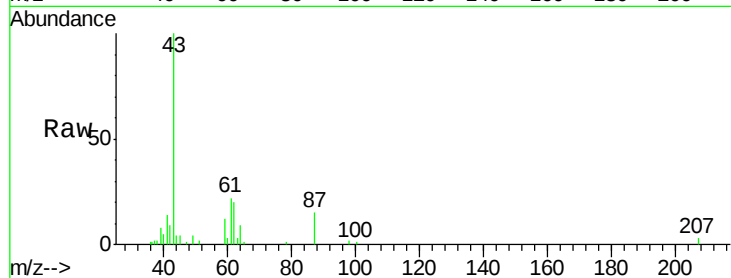
#43
Isopropyl Acetate
Concen: 19.239 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	42459		
61	34.6		25.5	38.3
87	14.5		11.2	16.8

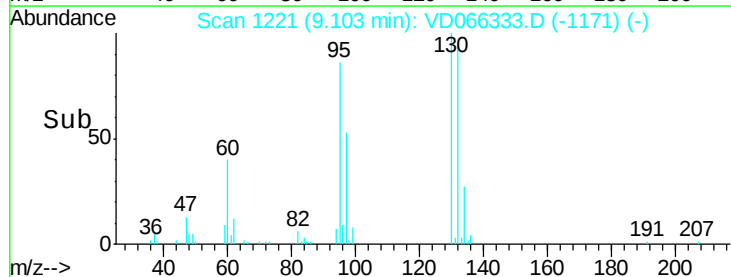
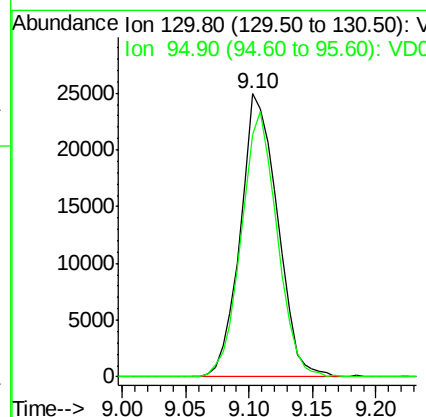
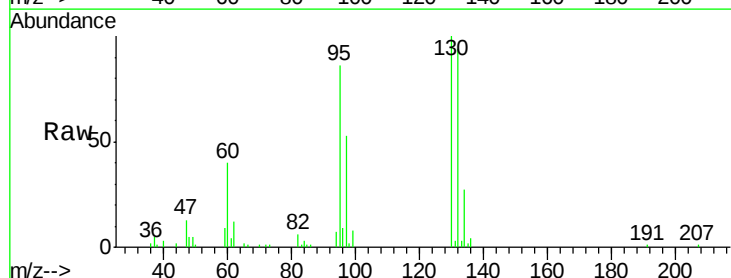
Manual Integrations
APPROVED

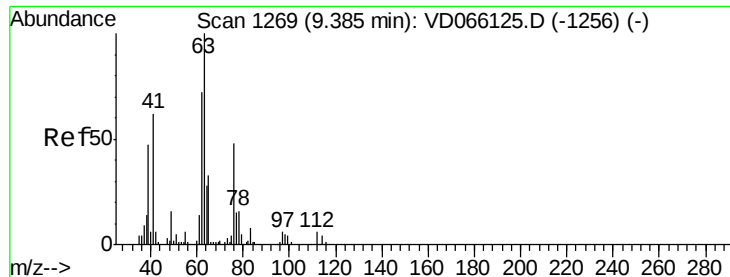
MMDadoda
8/20/2020 3:37:03 PM



#44
Trichloroethene
Concen: 21.412 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	50600		
95	85.6		0.0	178.4





#45

1,2-Dichloropropane

Concen: 20.213 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 63 Resp: 38768

Ion Ratio Lower Upper

63 100

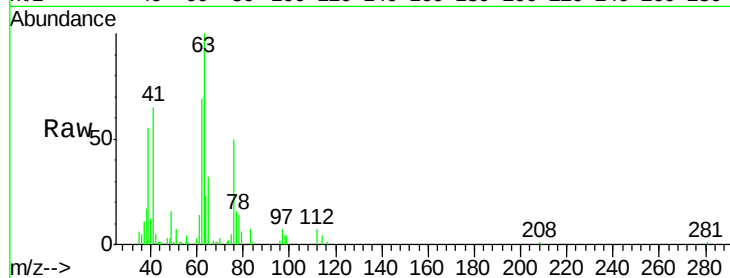
65 32.3 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

8/20/2020 3:37:03 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

20000

15000

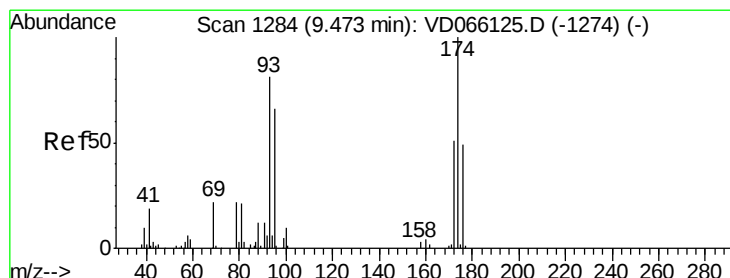
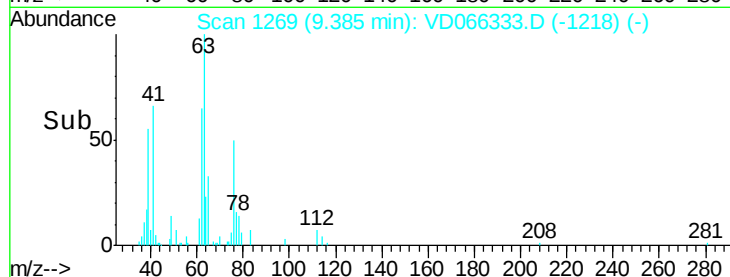
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 22.751 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

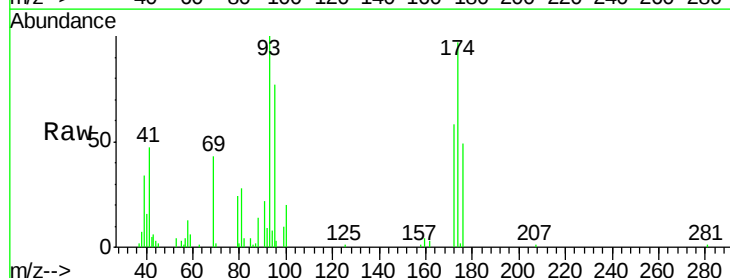
Tgt Ion: 93 Resp: 24036

Ion Ratio Lower Upper

93 100

95 78.3 65.8 98.6

174 110.7 92.8 139.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

15000

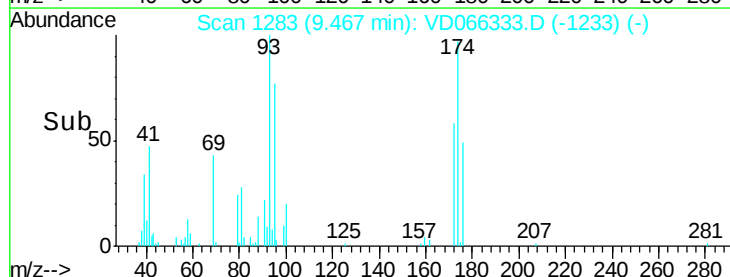
10000

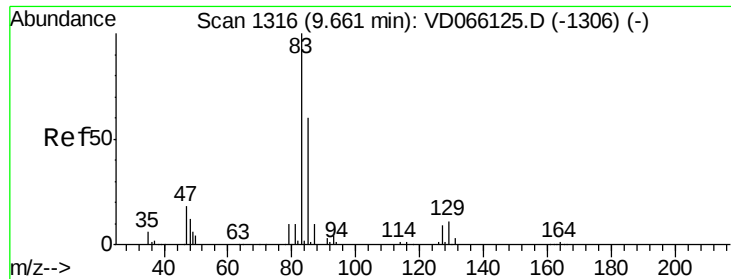
5000

0

9.40 9.45 9.50 9.55

Time-->





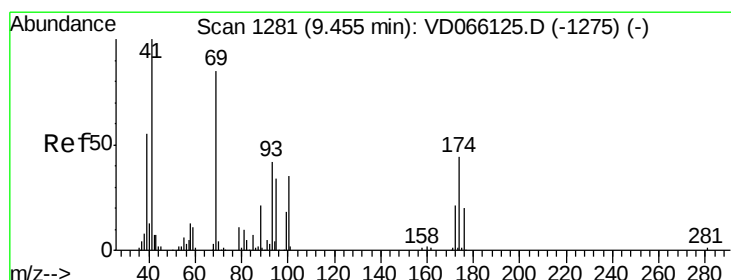
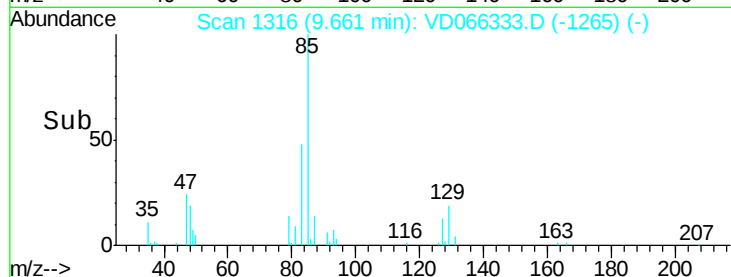
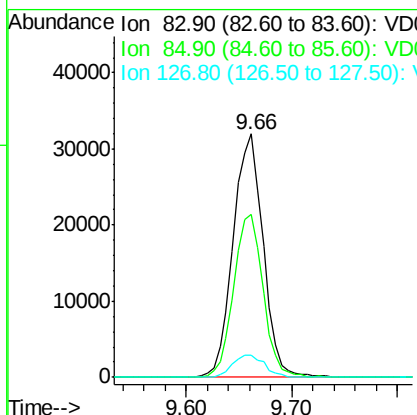
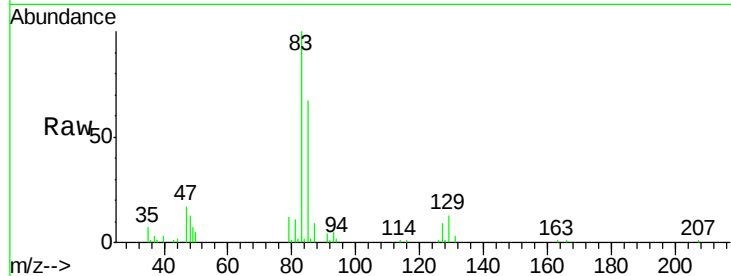
#47
Bromodichloromethane
Concen: 22.441 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	62661		
85	66.8	48.2	72.4	
127	8.9	7.3	10.9	

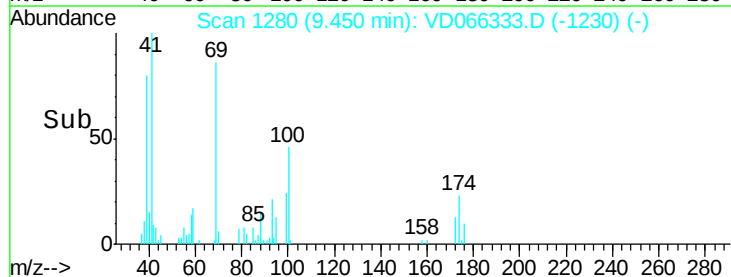
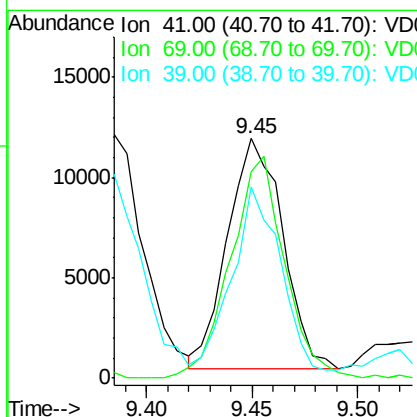
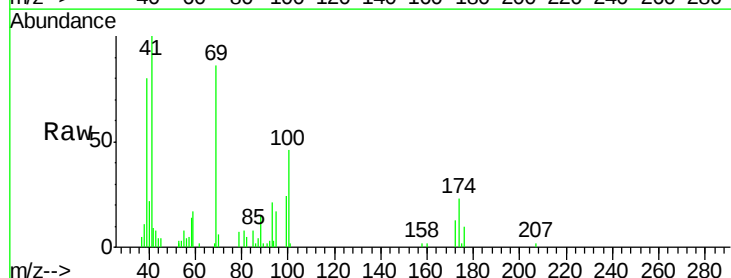
Manual Integrations
APPROVED

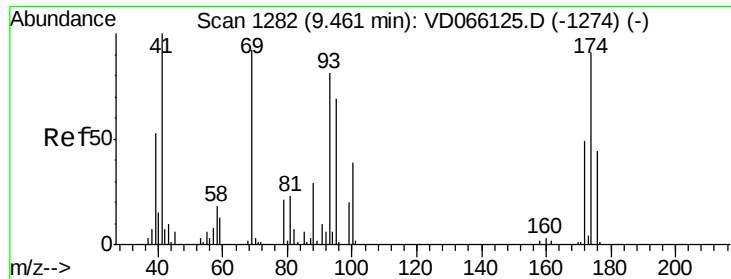
MMDadoda
8/20/2020 3:37:03 PM



#48
Methyl methacrylate
Concen: 18.471 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	20814		
69	94.5	63.9	95.9	
39	76.1	42.6	64.0	





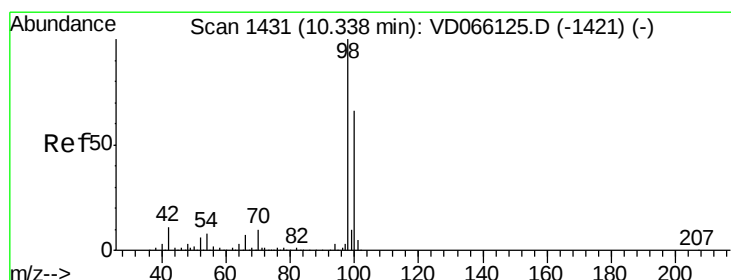
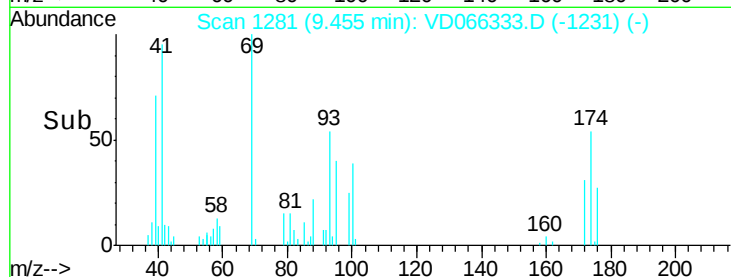
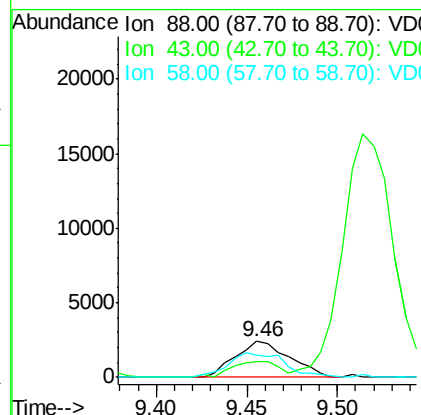
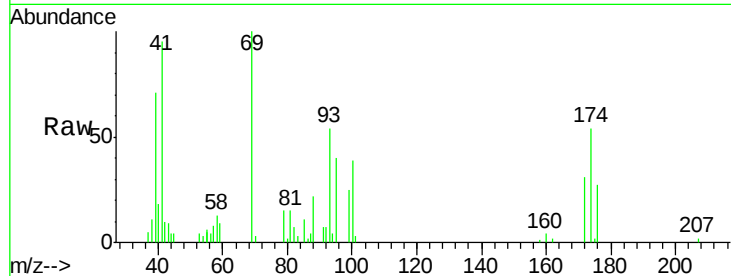
#49
1,4-Dioxane
Concen: 372.135 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	27.5	41.3
58	70.8	50.2	75.4

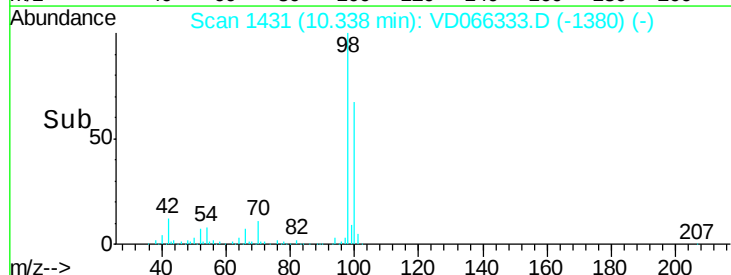
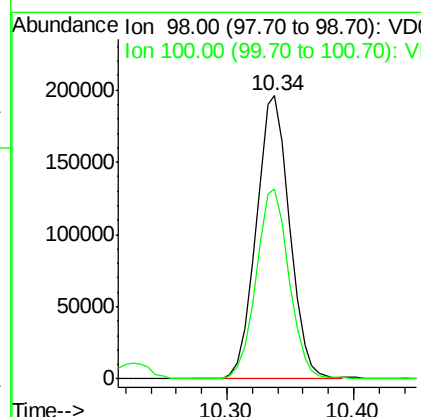
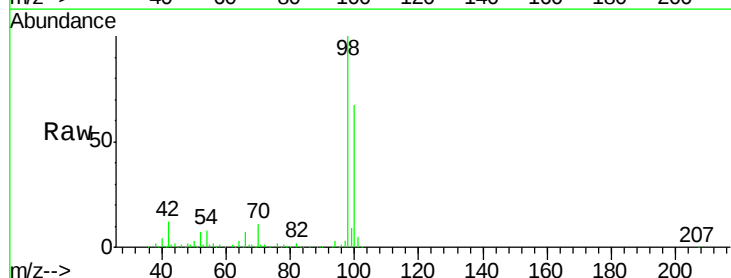
Manual Integrations
APPROVED

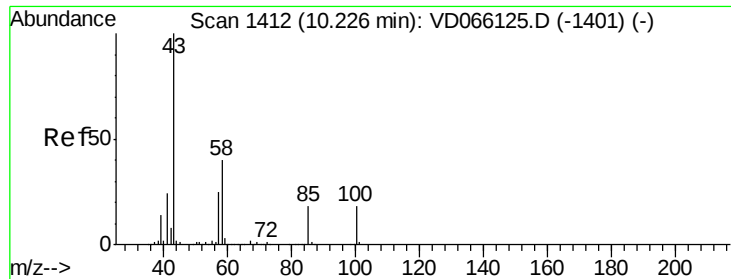
MMDadoda
8/20/2020 3:37:03 PM



#50
Toluene-d8
Concen: 51.159 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8





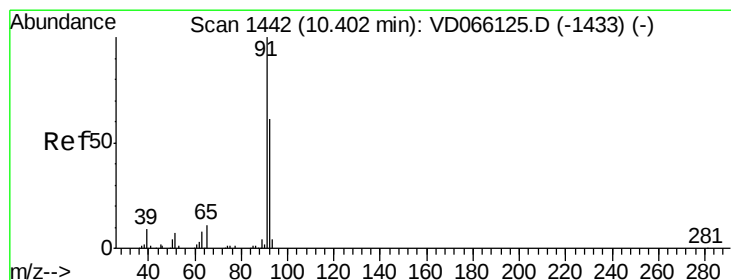
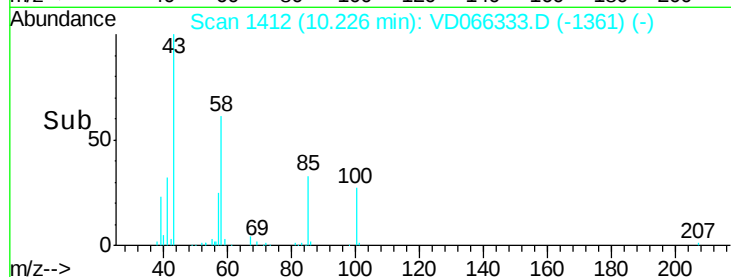
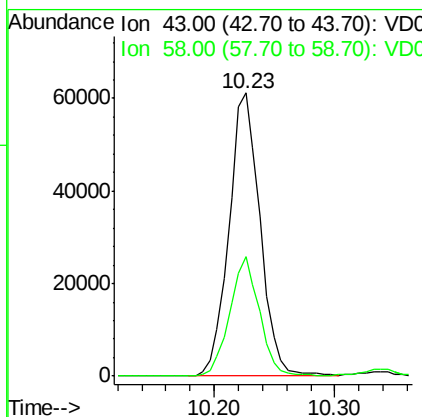
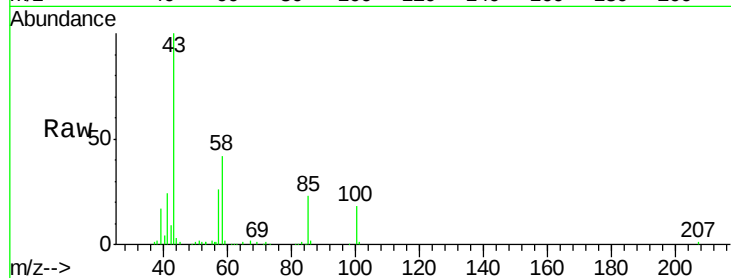
#51
4-Methyl-2-Pentanone
Concen: 96.833 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	43	Resp	109768
Ion Ratio	43	100	
Lower	58	40.2	31.1
Upper			46.7

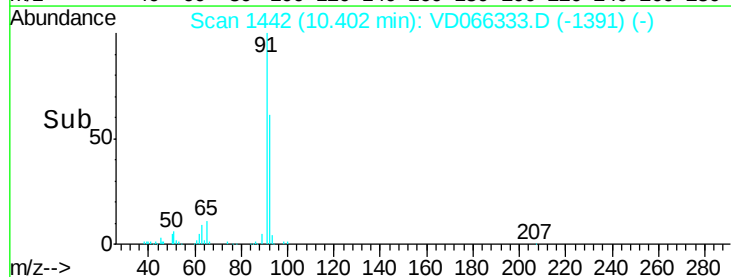
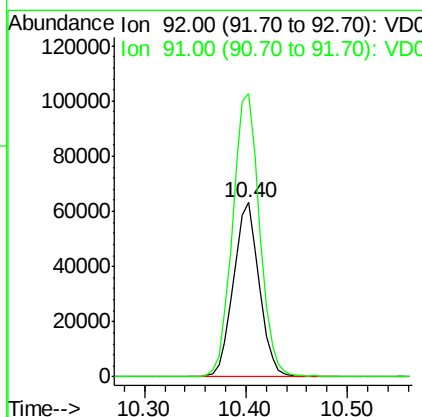
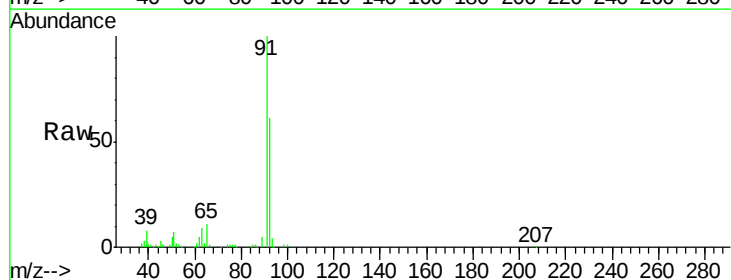
Manual Integrations
APPROVED

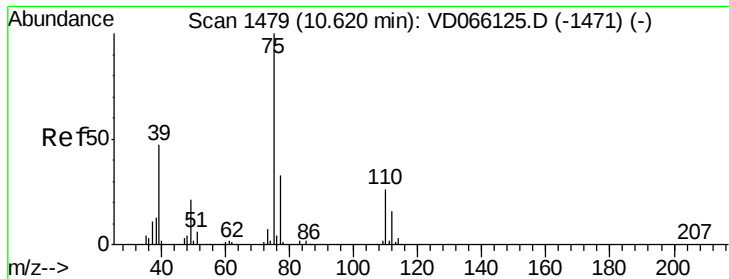
MMDadoda
8/20/2020 3:37:03 PM



#52
Toluene
Concen: 21.680 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	92	Resp	111874
Ion Ratio	92	100	
Lower	91	170.3	135.2
Upper			202.8





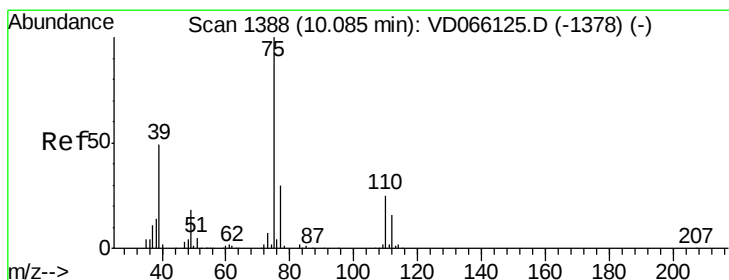
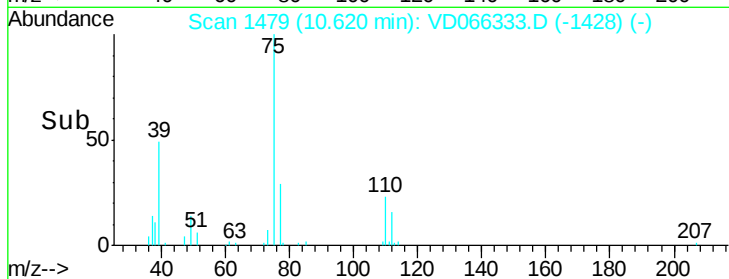
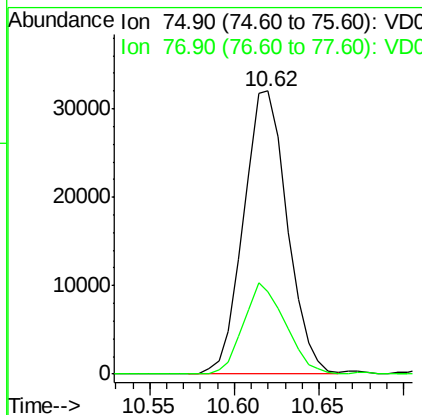
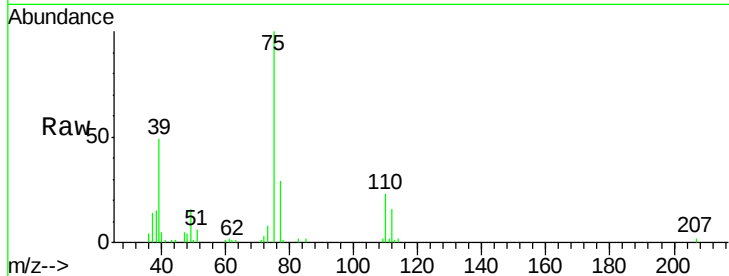
#53
 t-1,3-Dichloropropene
 Concen: 21.727 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion: 75 Resp: 57574
 Ion Ratio Lower Upper
 75 100
 77 29.3 26.2 39.2

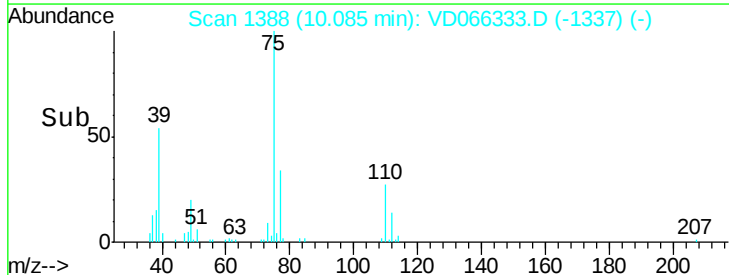
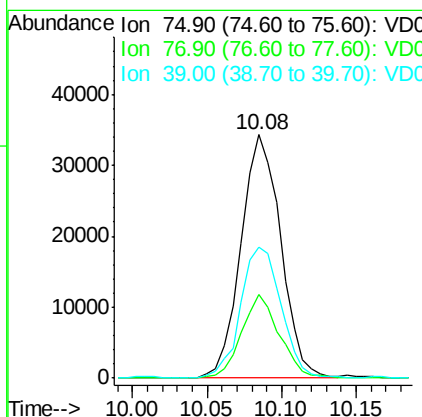
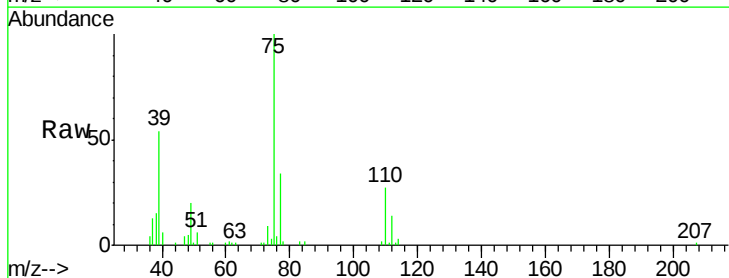
Manual Integrations
 APPROVED

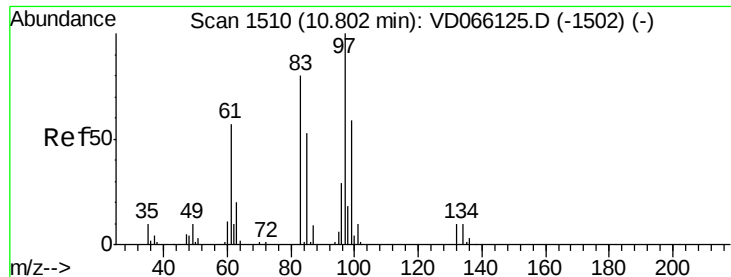
MMDadoda
 8/20/2020 3:37:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.399 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 75 Resp: 63331
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.3 36.5
 39 53.8 39.3 58.9





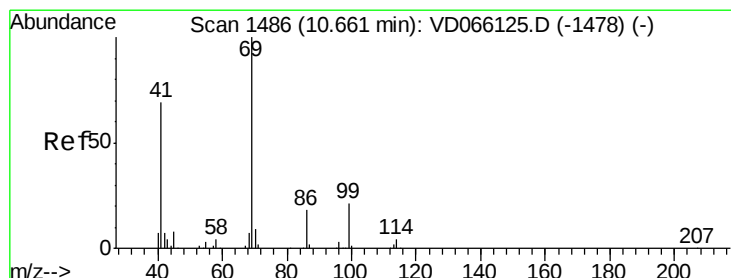
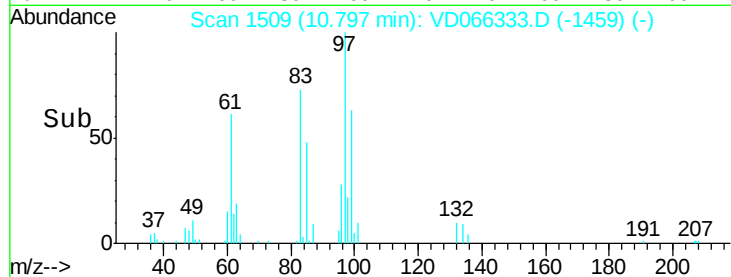
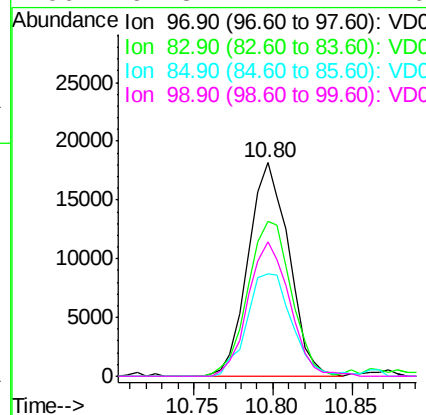
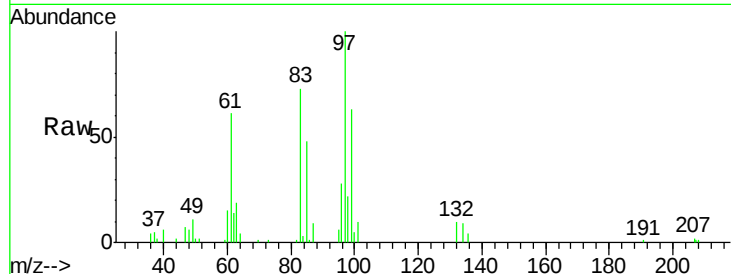
#55
 1,1,2-Trichloroethane
 Concen: 21.381 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion:	97	Resp:	32527
Ion	Ratio	Lower	Upper
97	100		
83	72.6	63.9	95.9
85	47.7	42.5	63.7
99	62.8	47.4	71.0

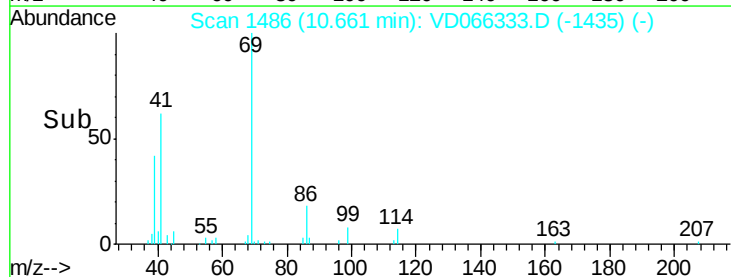
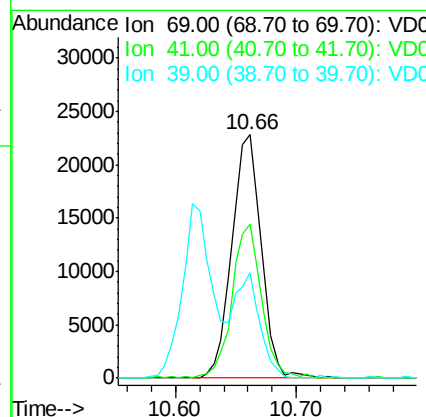
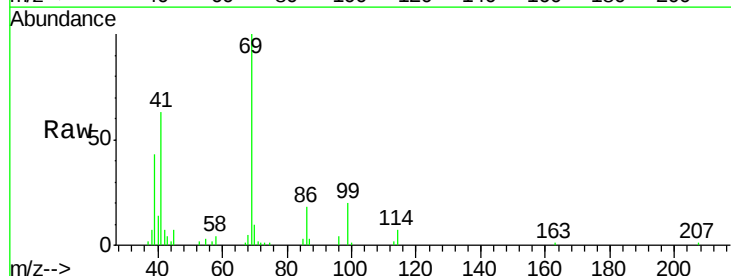
Manual Integrations
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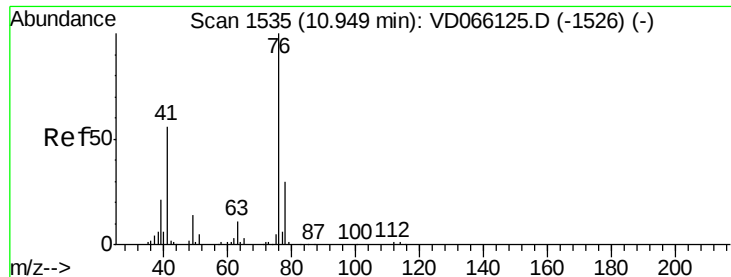
MMDadoda
 8/20/2020 3:37:03 PM



#56
 Ethyl methacrylate
 Concen: 21.176 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion:	69	Resp:	38698
Ion	Ratio	Lower	Upper
69	100		
41	63.6	54.1	81.1
39	35.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 20.144 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 76 Resp: 50875

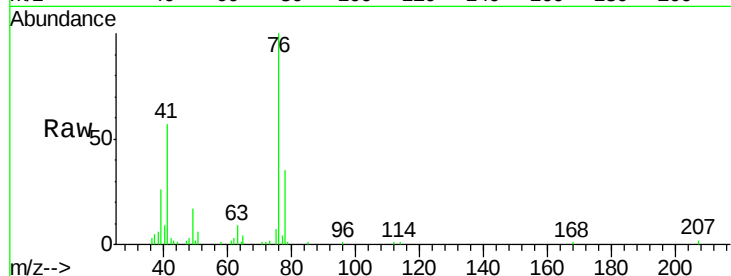
Ion Ratio Lower Upper

76 100

78 34.5 25.5 38.3

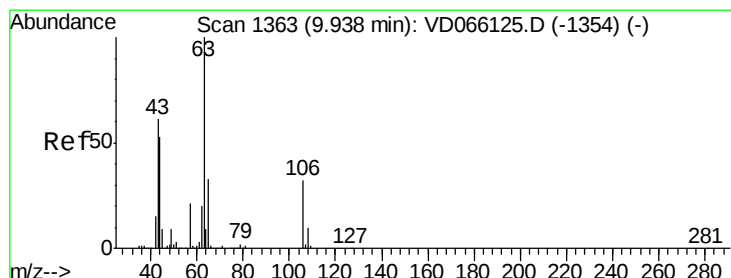
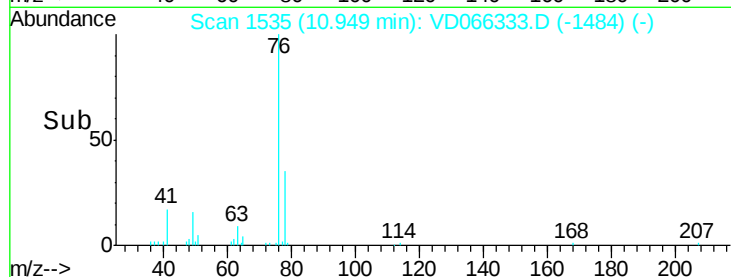
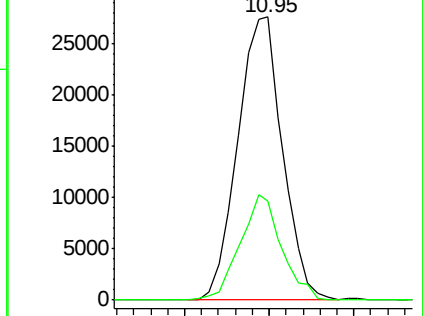
Manual Integrations
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8/20/2020 3:37:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.901 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066333.D

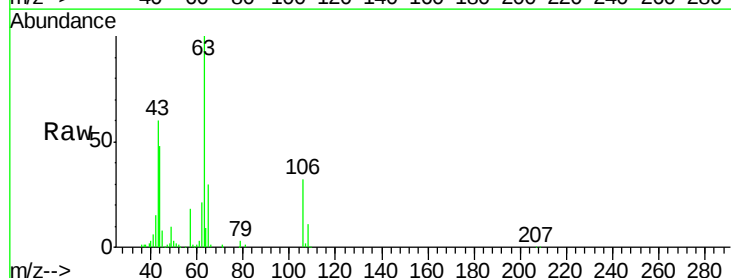
Acq: 20 Aug 2020 00:04

Tgt Ion: 63 Resp: 90342

Ion Ratio Lower Upper

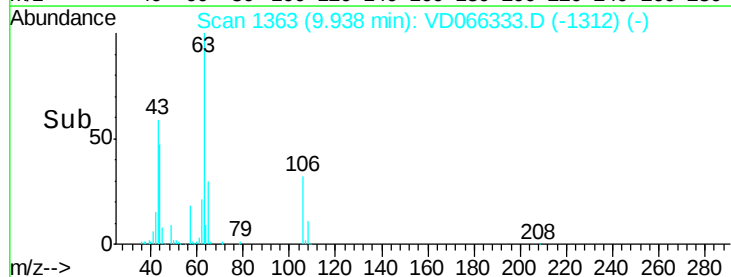
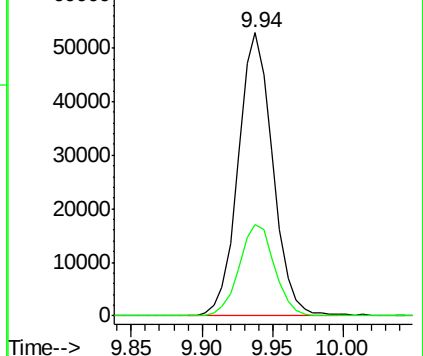
63 100

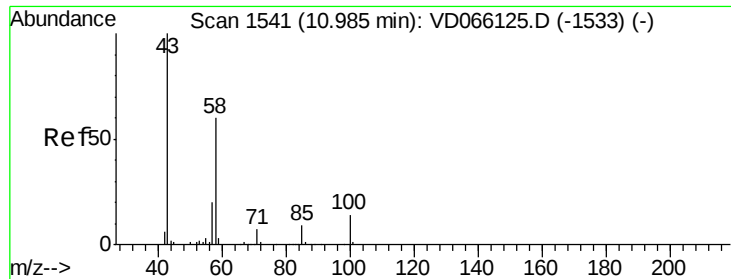
106 33.1 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





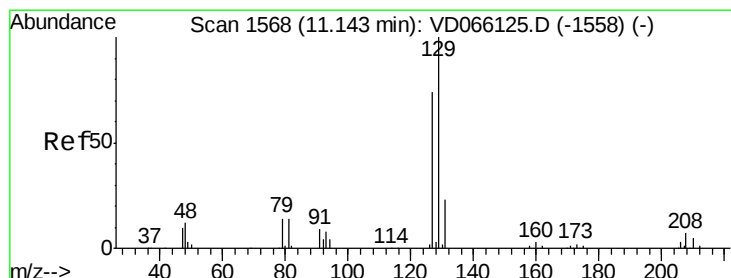
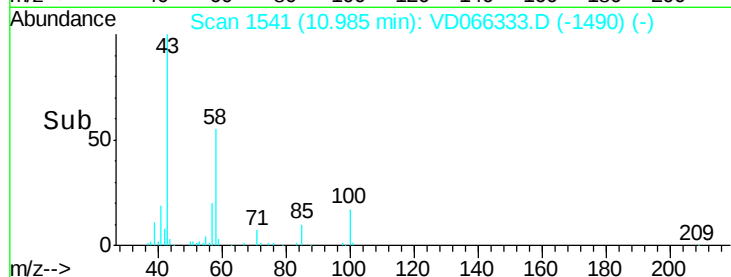
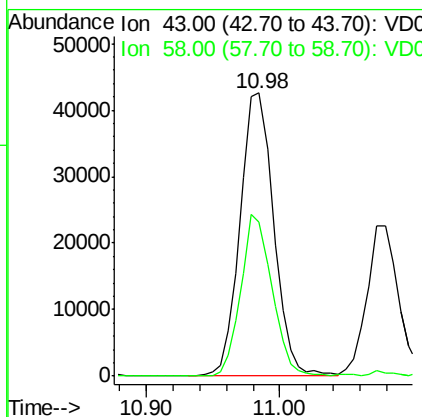
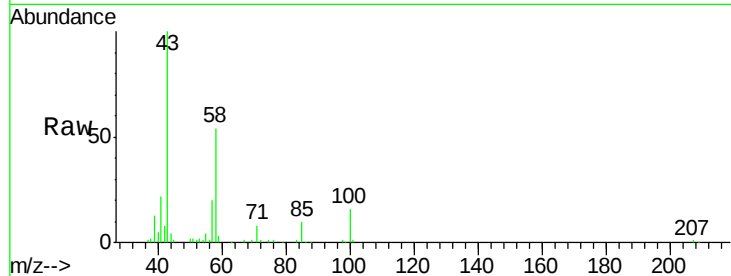
#59
2-Hexanone
Concen: 93.640 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion: 43 Resp: 74497
Ion Ratio Lower Upper
43 100
58 52.9 27.8 83.4

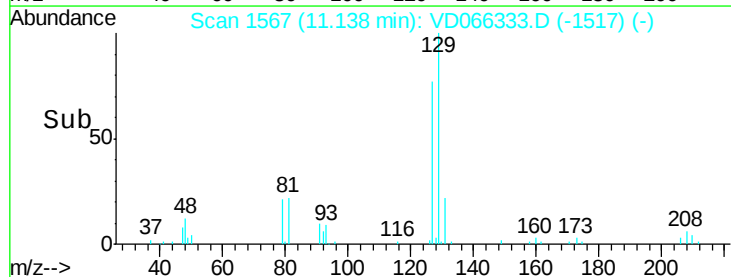
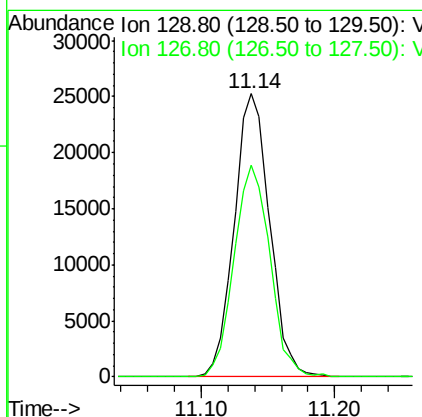
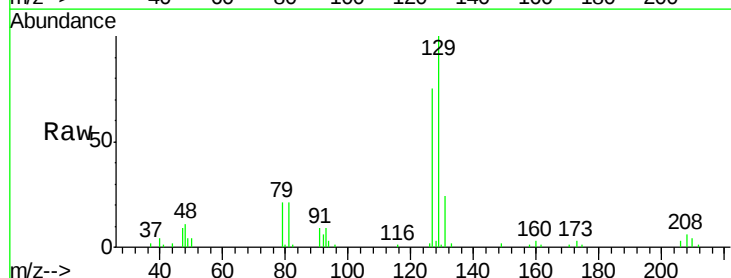
Manual Integrations
APPROVED

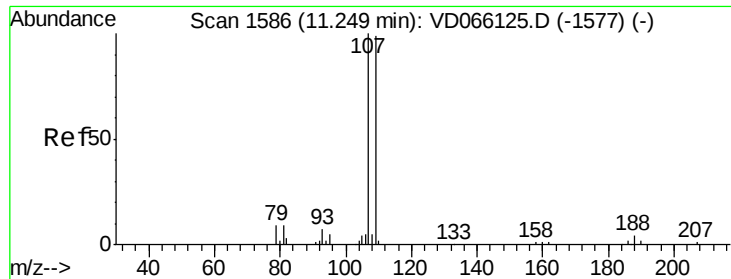
MMDadoda
8/20/2020 3:37:03 PM



#60
Dibromochloromethane
Concen: 22.111 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion: 129 Resp: 46439
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1





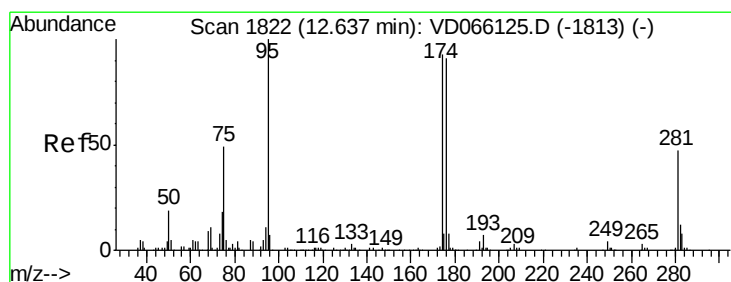
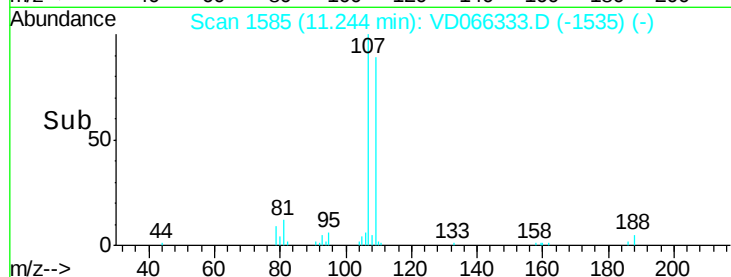
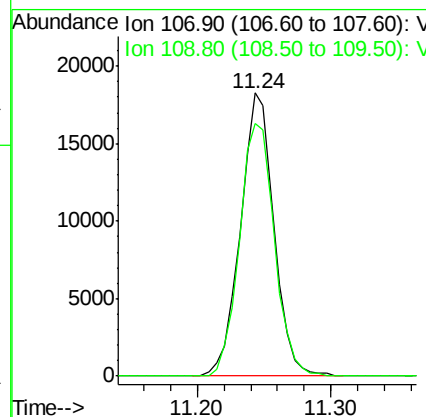
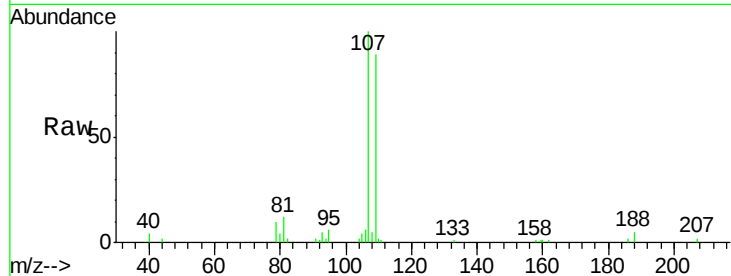
#61
 1,2-Dibromoethane
 Concen: 21.540 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion: 107 Resp: 31514
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.5 114.7

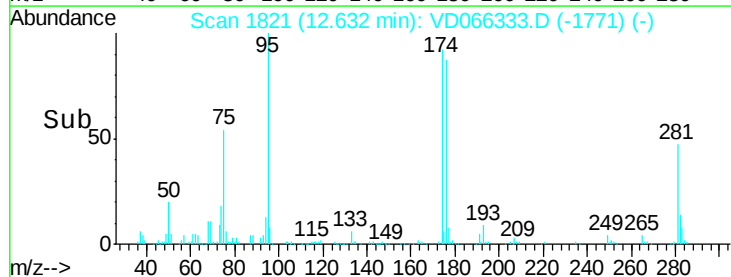
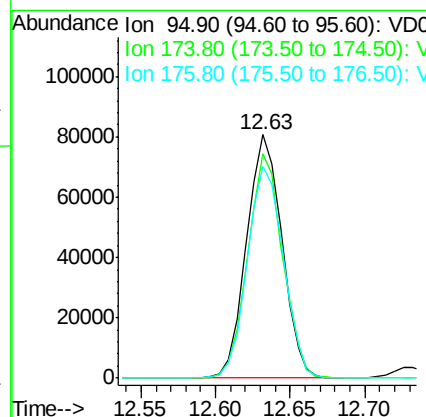
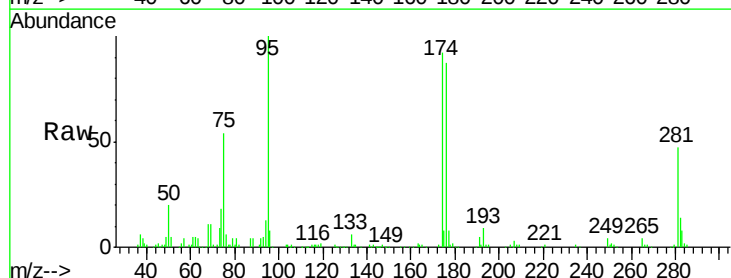
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#62
 4-Bromofluorobenzene
 Concen: 52.095 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion: 95 Resp: 132063
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 180.8
 176 89.1 0.0 181.2





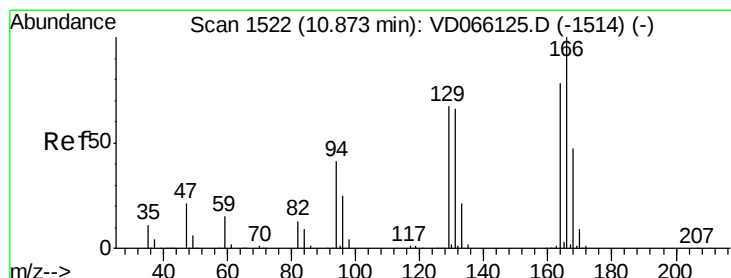
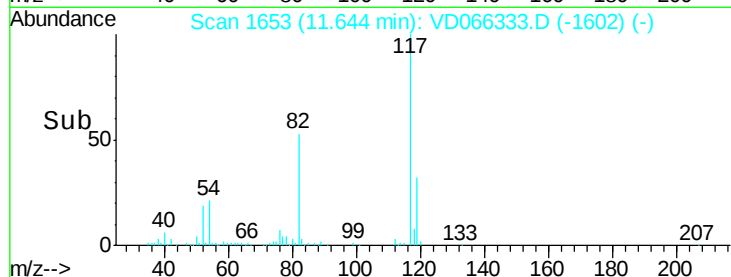
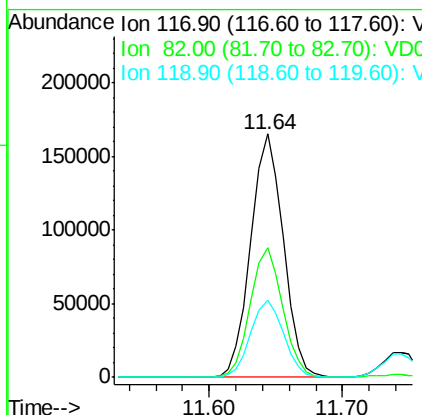
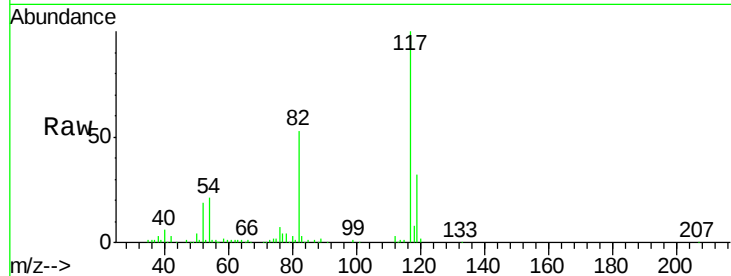
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	279214		
82	53.3	43.0	64.4	
119	31.8	26.1	39.1	

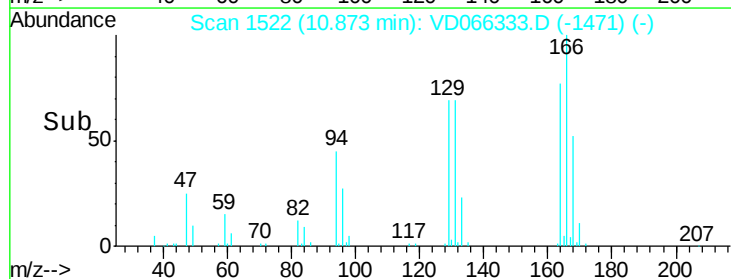
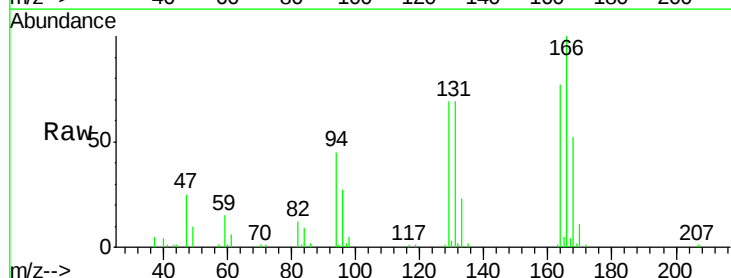
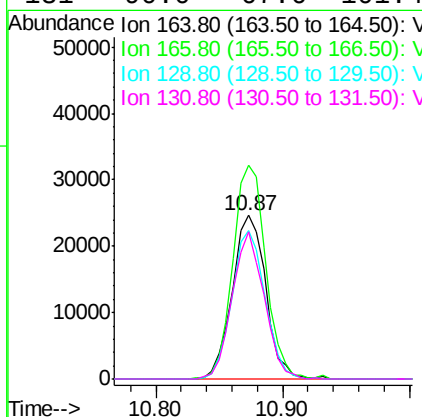
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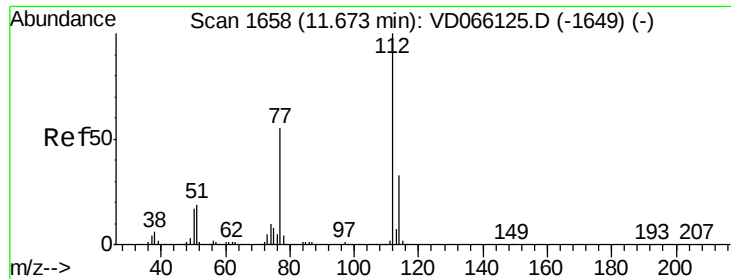
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#64
Tetrachloroethene
Concen: 20.944 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44905		
166	130.6	101.9	152.9	
129	90.7	68.1	102.1	
131	90.0	67.6	101.4	





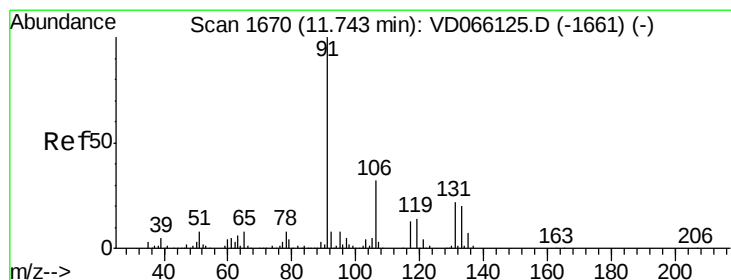
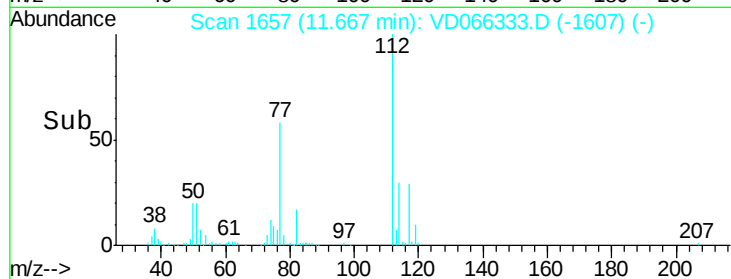
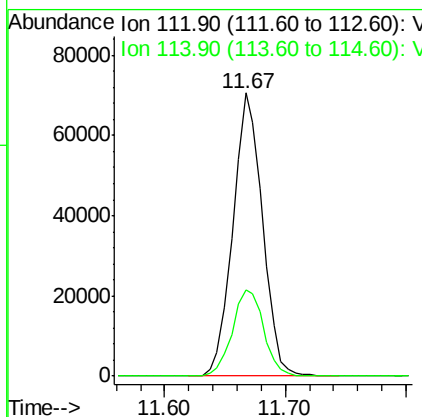
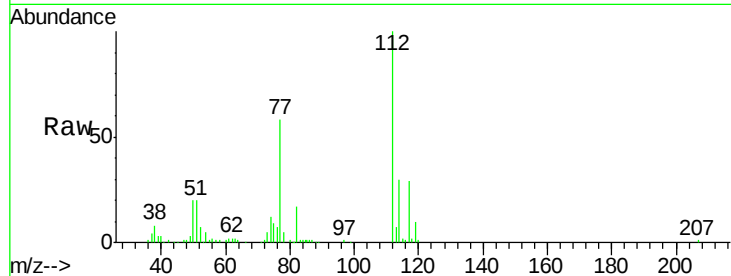
#65
Chlorobenzene
Concen: 21.190 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	120108		
114	30.4	26.1	39.1	

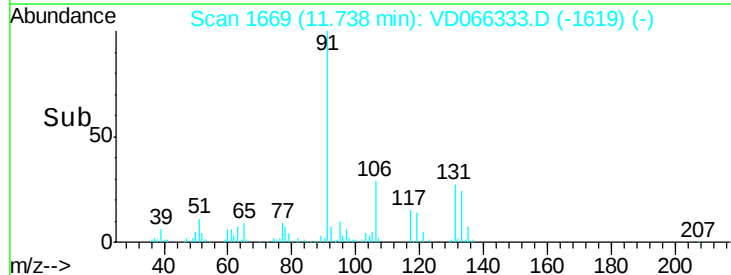
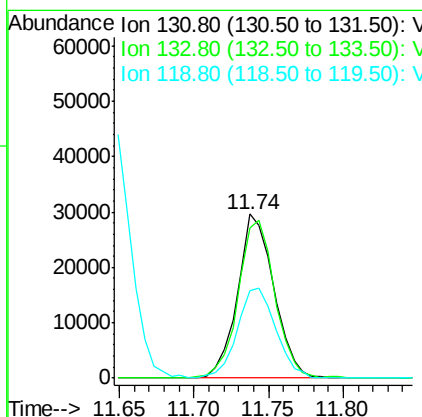
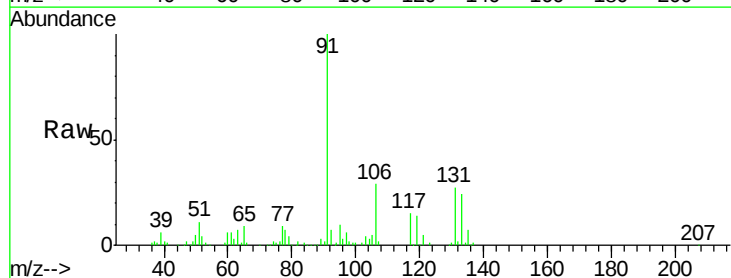
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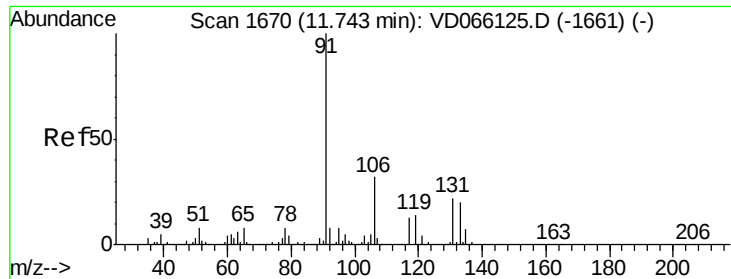
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.511 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	49924		
133	97.6	47.1	141.4	
119	58.0	31.6	94.7	





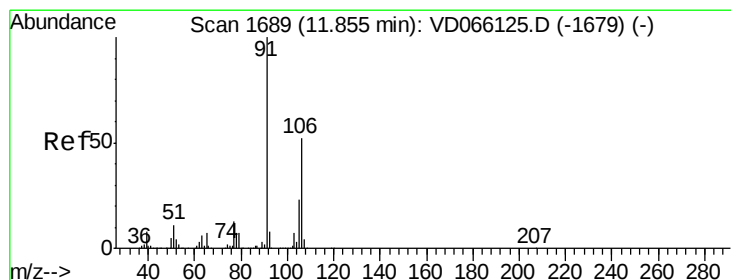
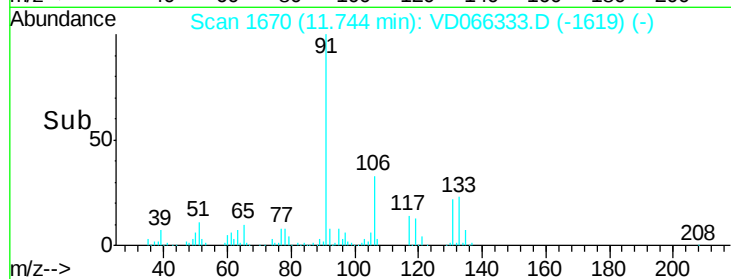
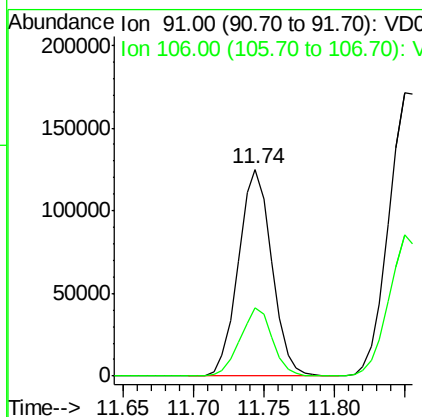
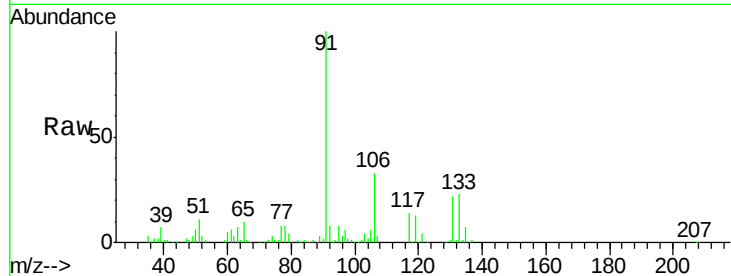
#67
Ethyl Benzene
Concen: 21.080 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.7	38.5

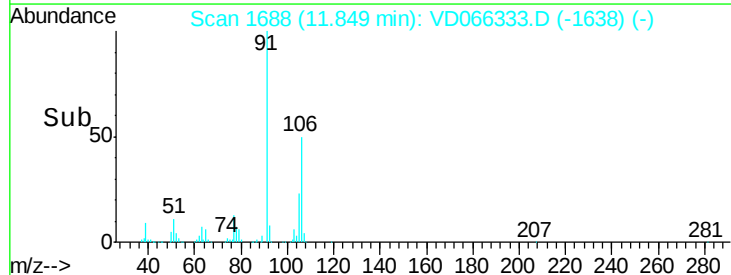
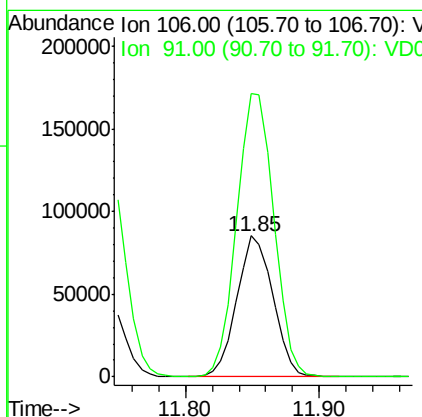
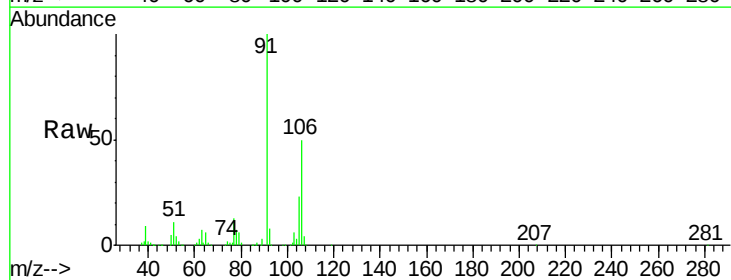
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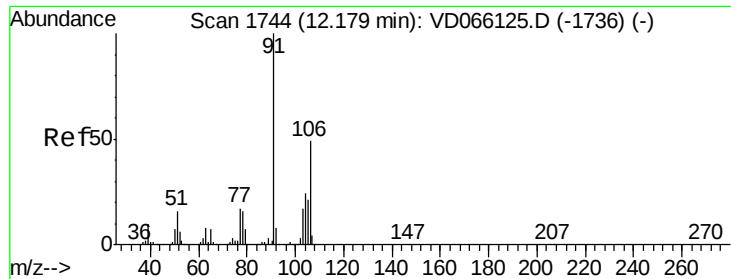
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#68
m/p-Xylenes
Concen: 42.148 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.7	156.6	235.0





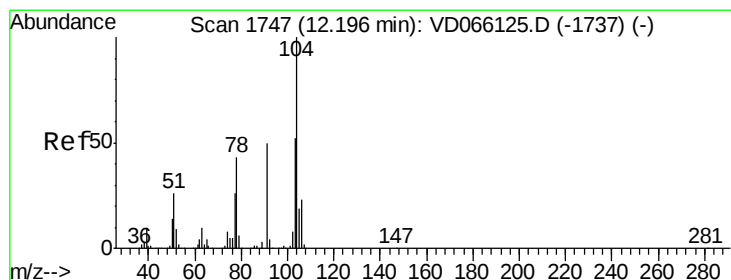
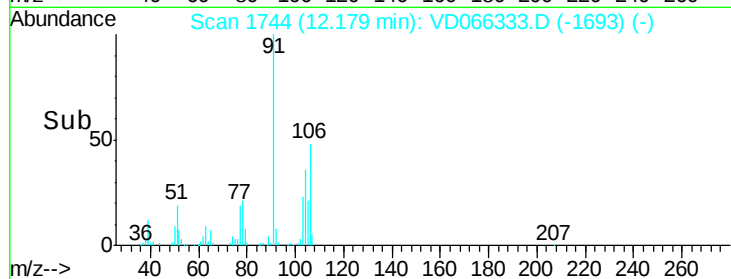
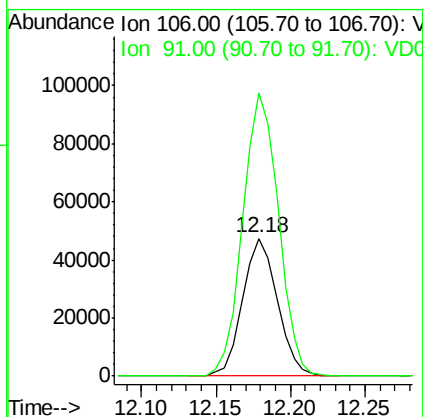
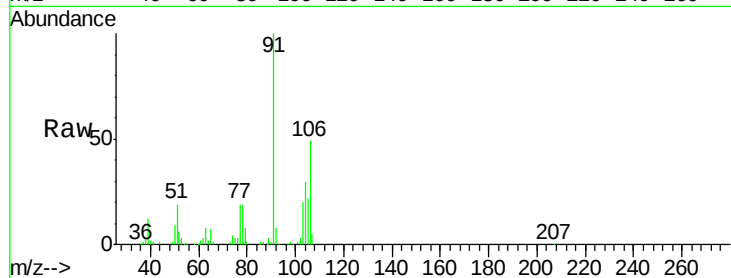
#69
o-Xylene
Concen: 22.173 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	105.7	317.1

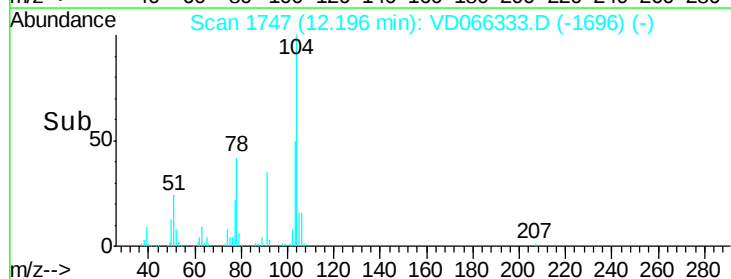
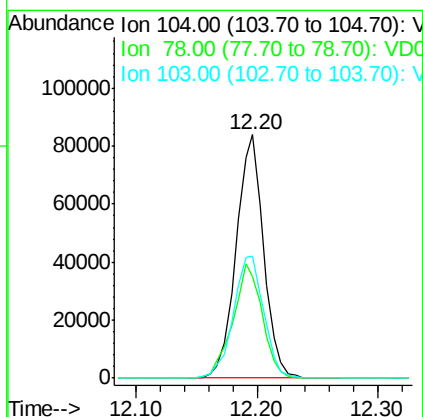
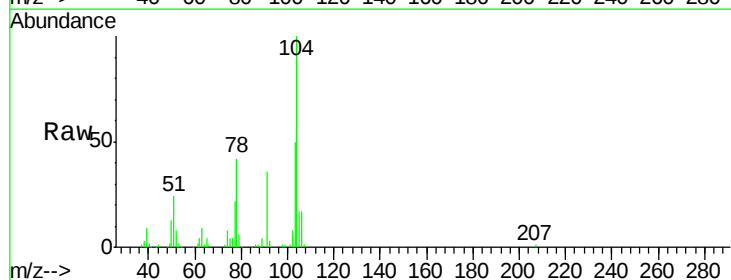
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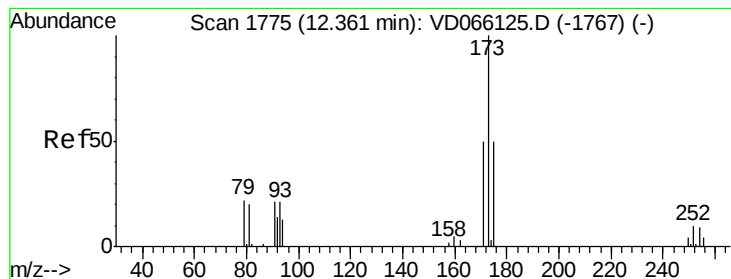
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#70
Styrene
Concen: 21.875 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.6	58.0
103	55.6	44.1	66.1





#71

Bromoform

Concen: 21.929 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

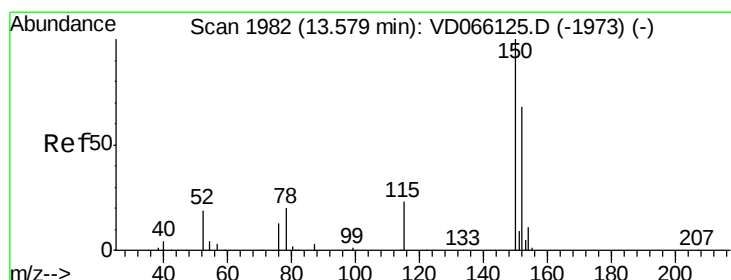
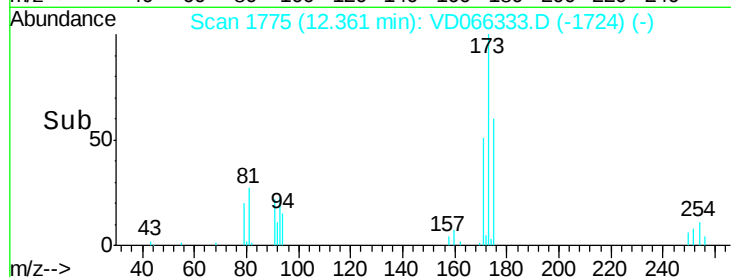
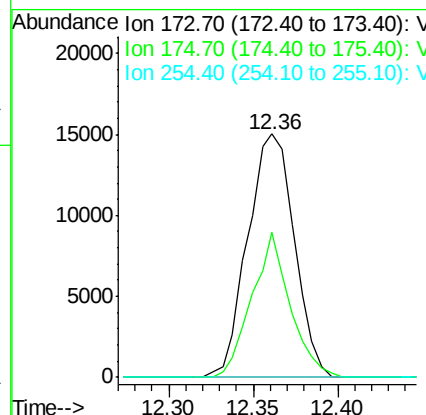
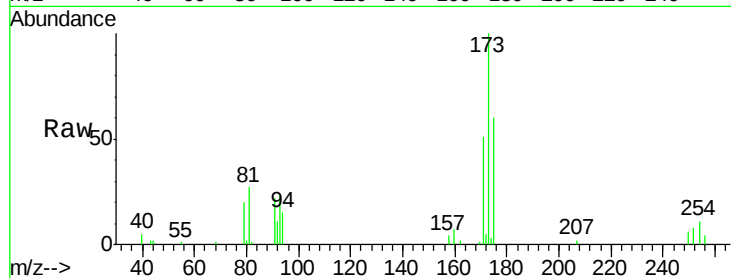
ClientSampleId :

VD0819SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.6
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

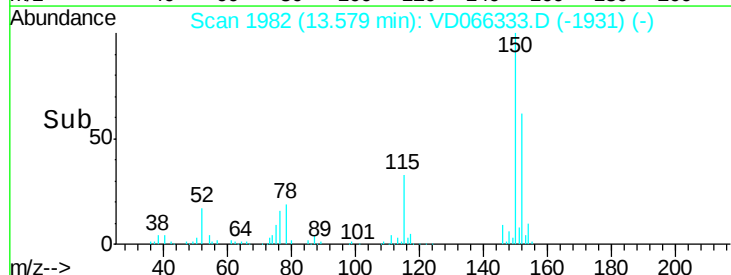
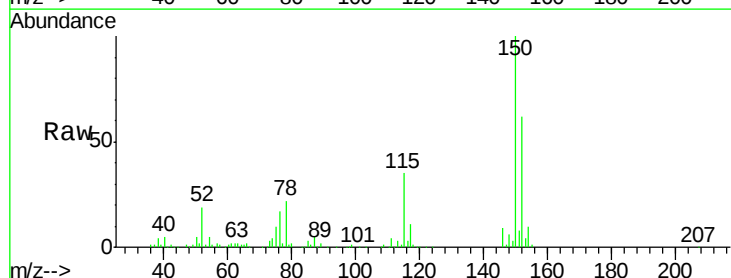
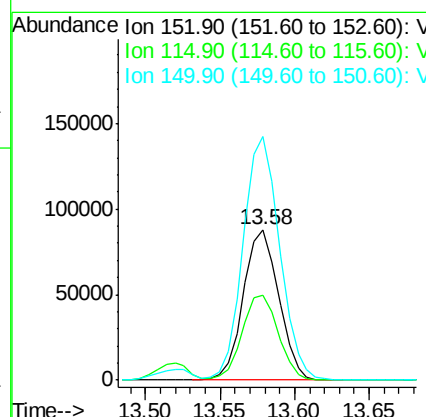
RT: 13.58 min Scan# 1982

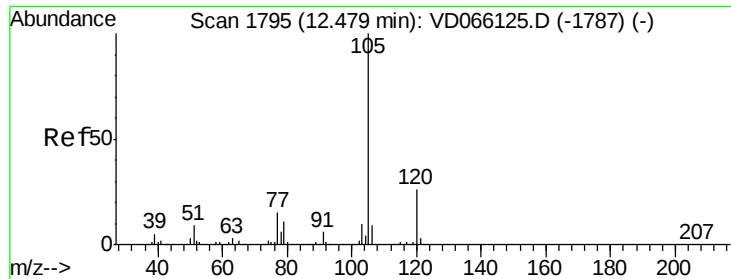
Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.0	83.9
150	167.1	0.0	346.4





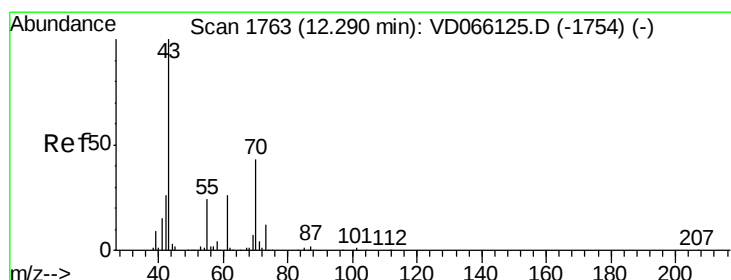
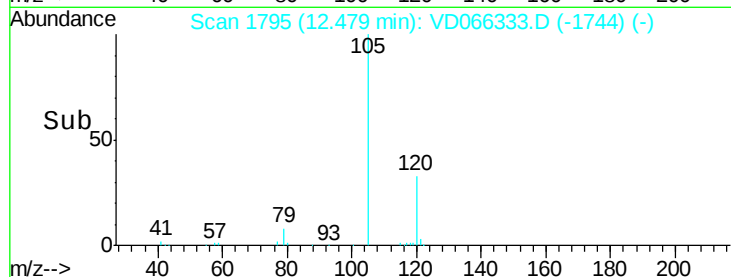
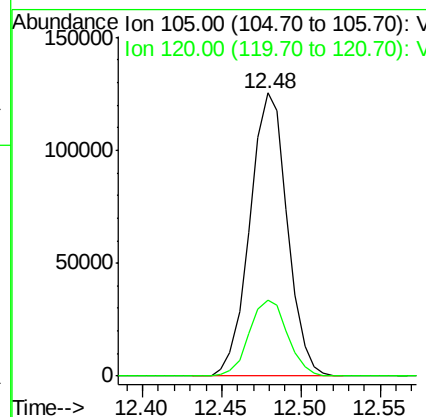
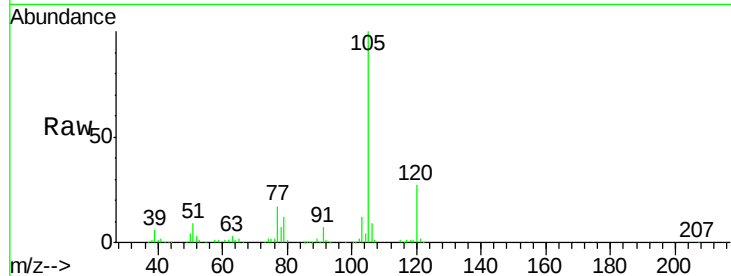
#73
Isopropylbenzene
Concen: 21.261 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	205639		
120	27.5	13.3	39.9	

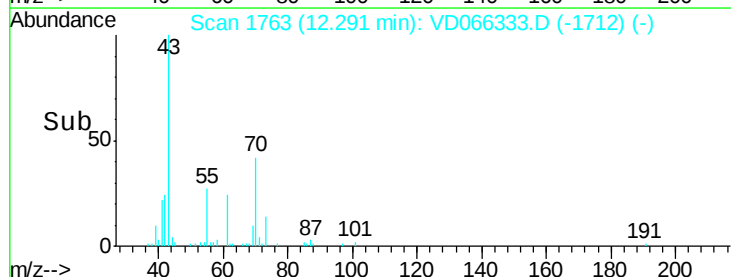
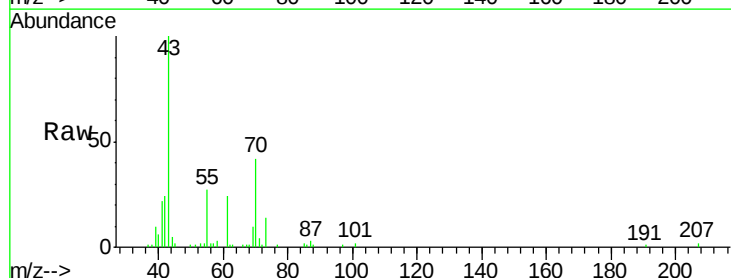
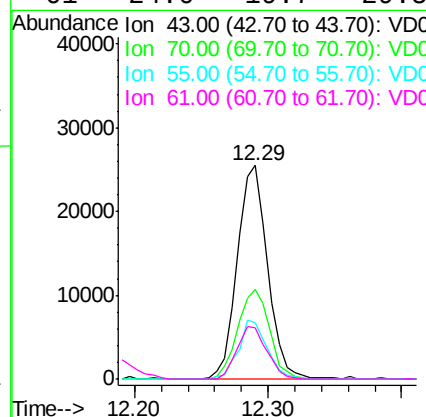
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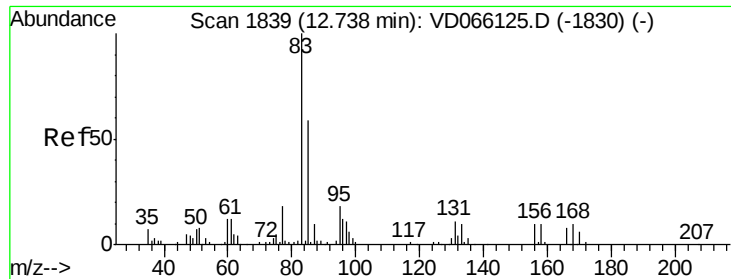
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#74
N-ethyl acetate
Concen: 18.915 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40285		
70	43.8	34.9	52.3	
55	25.9	19.2	28.8	
61	24.0	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.877 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 83 Resp: 32782

Ion Ratio Lower Upper

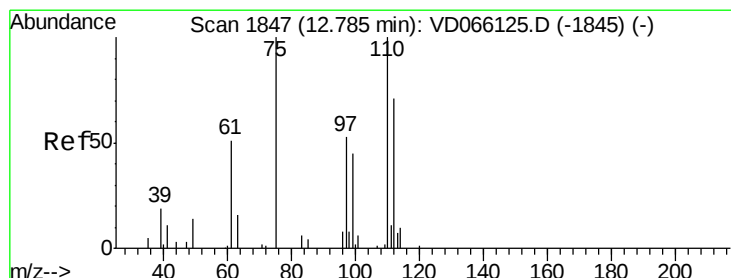
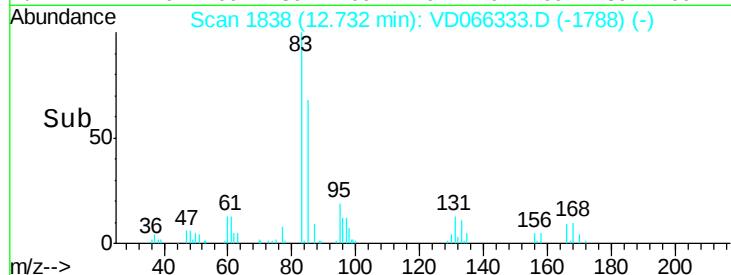
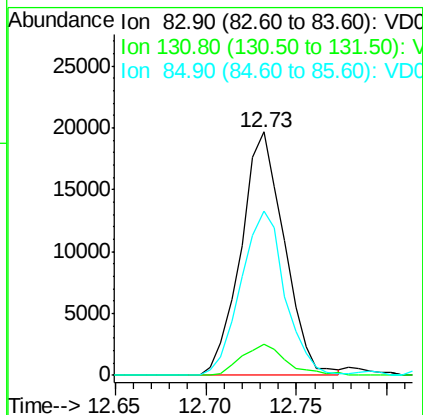
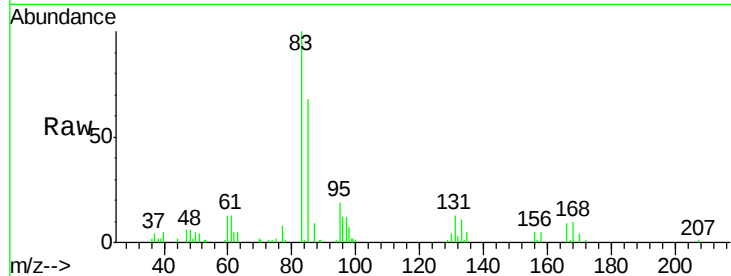
83 100

131 13.0 6.2 18.6

85 68.4 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 18.417 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066333.D

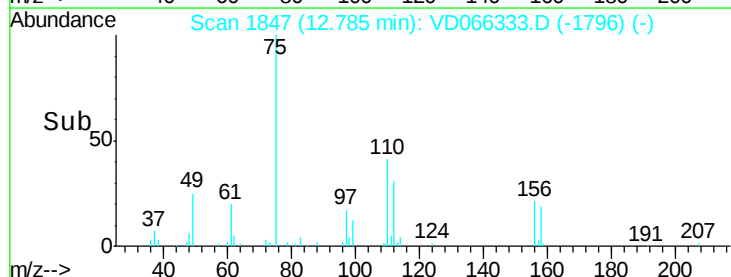
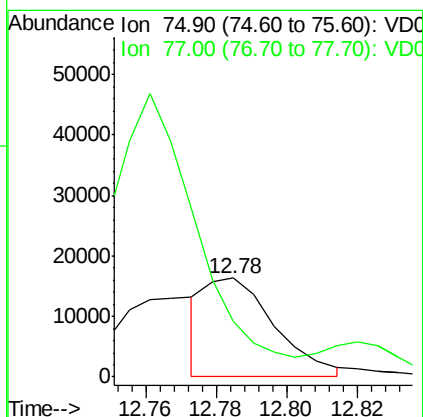
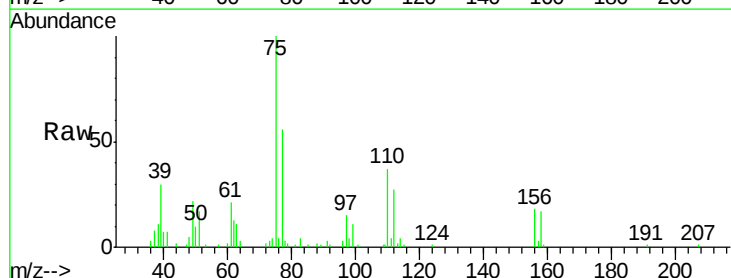
Acq: 20 Aug 2020 00:04

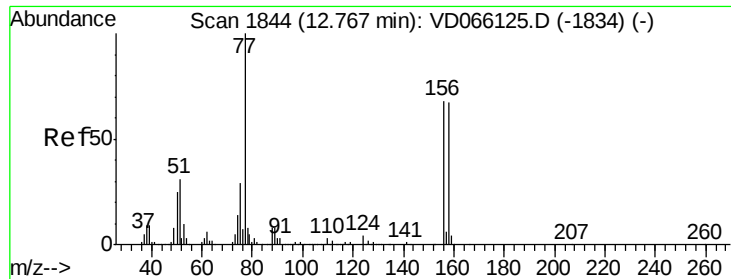
Tgt Ion: 75 Resp: 22253

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.052 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

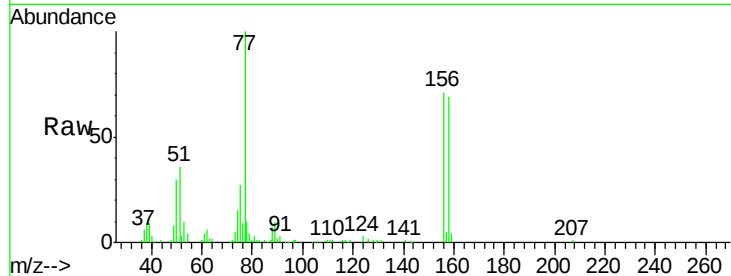
ClientSampleId :

VD0819SBS02

Tot Ion:	156	Resp:	54905
Ion	Ratio	Lower	Upper
156	100		
77	154.9	81.0	243.1
158	95.4	48.8	146.3

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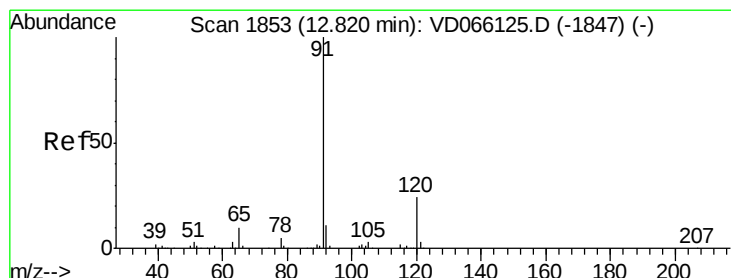
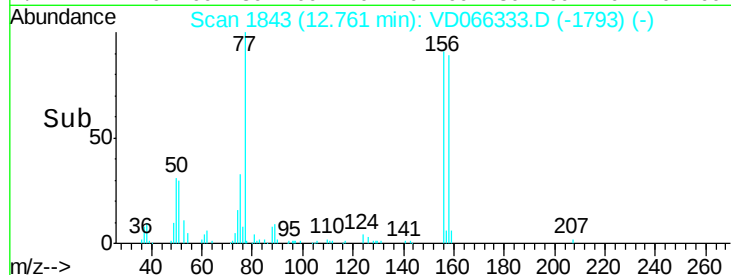
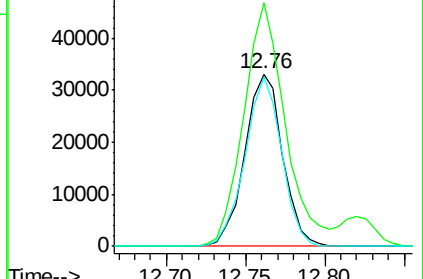
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.399 ug/l

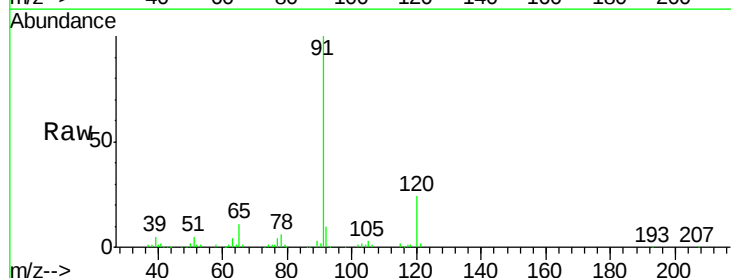
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066333.D

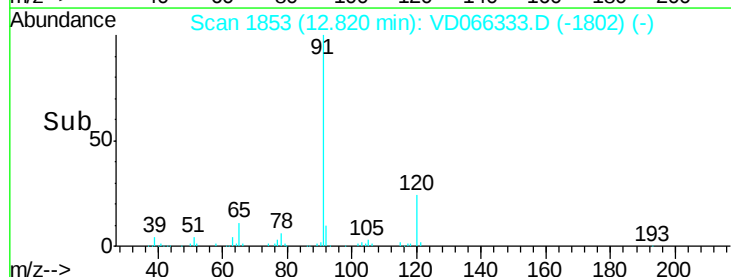
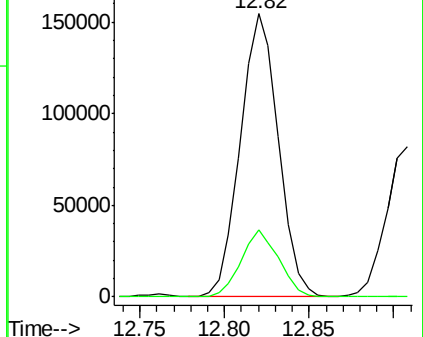
Acq: 20 Aug 2020 00:04

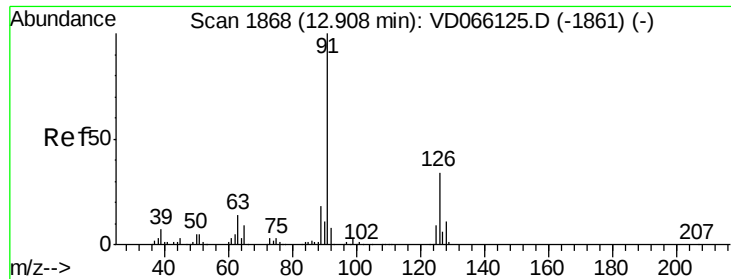
Tgt Ion:	91	Resp:	240594
Ion	Ratio	Lower	Upper
91	100		
120	23.2	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.487 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampleId :

VD0819SBS02

Tot Ion: 91 Resp: 138168

Ion Ratio Lower Upper

91 100

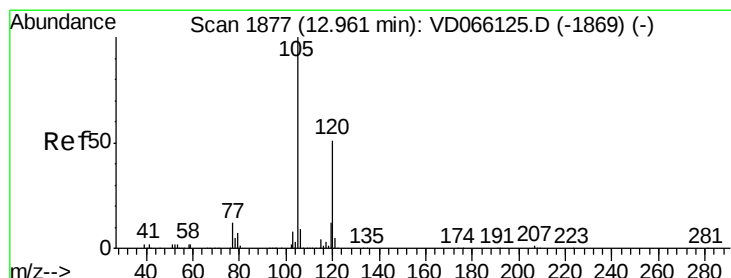
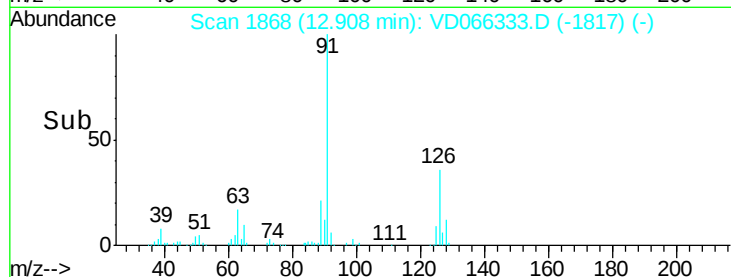
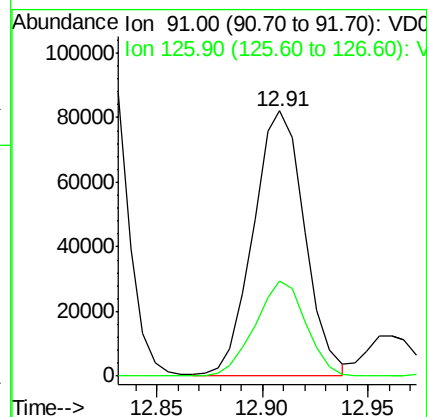
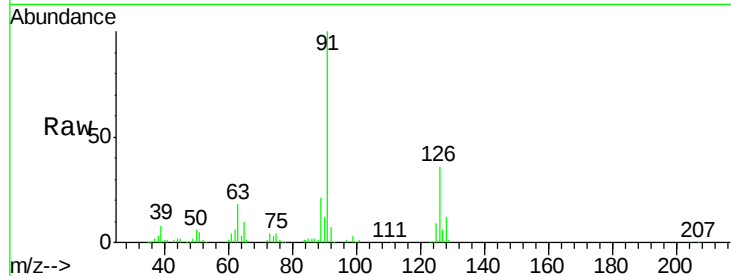
126 35.6 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.773 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066333.D

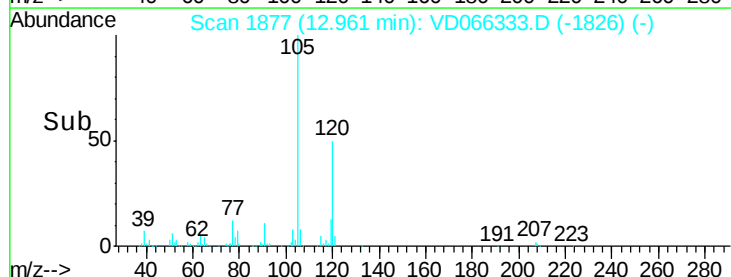
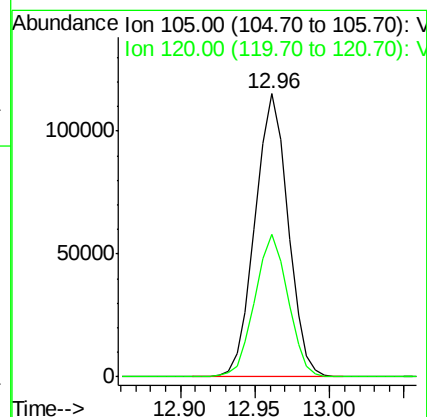
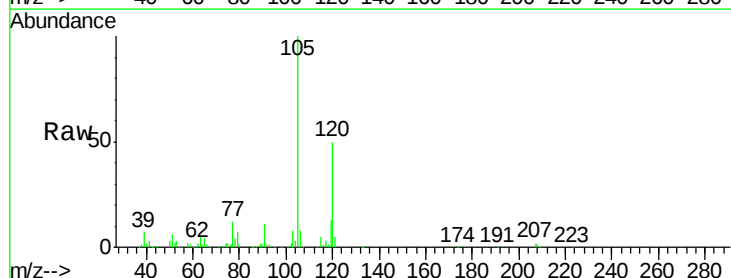
Acq: 20 Aug 2020 00:04

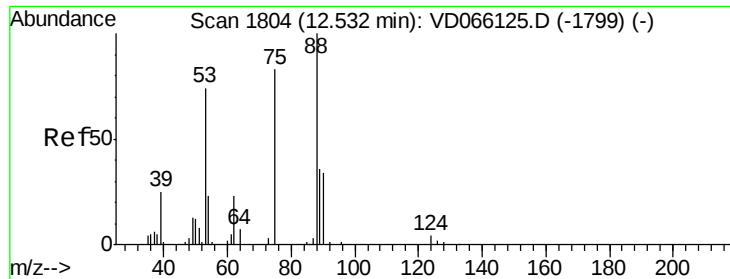
Tgt Ion:105 Resp: 176120

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





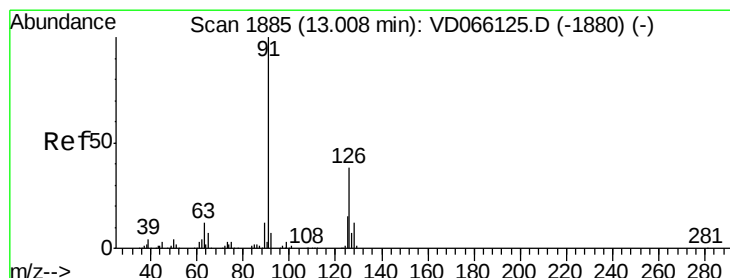
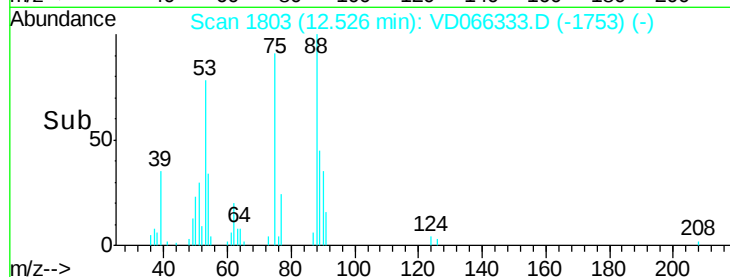
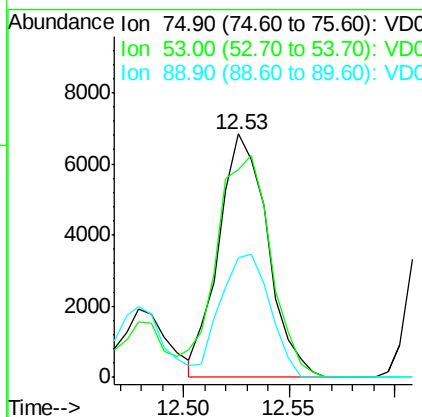
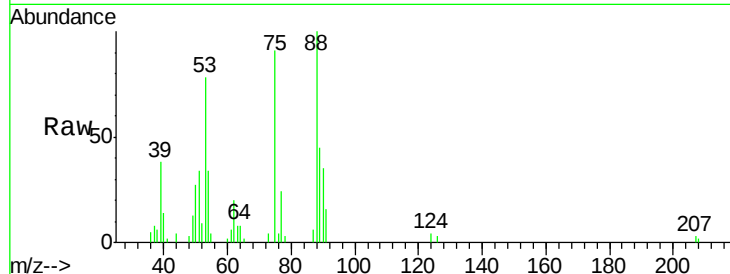
#81
trans-1,4-Dichloro-2-butene
Concen: 20.100 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	73.4	110.2
89	51.6	36.6	55.0

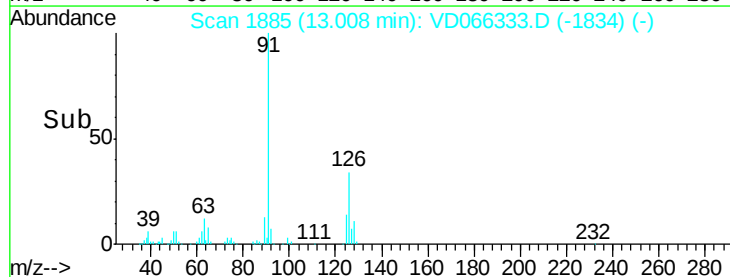
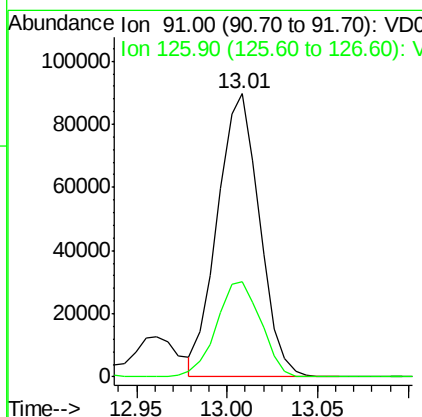
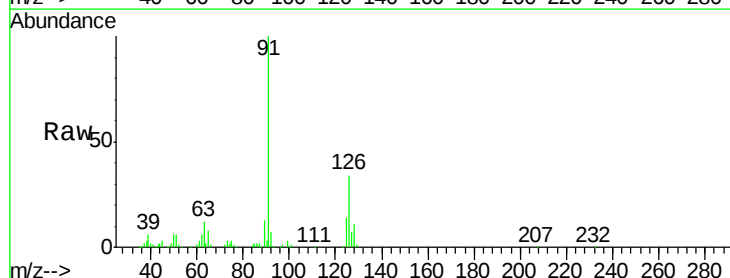
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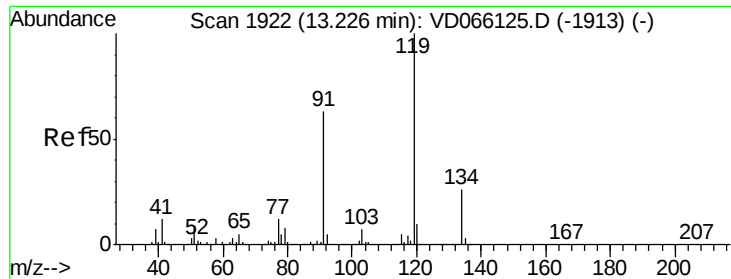
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#82
4-Chlorotoluene
Concen: 21.350 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.3





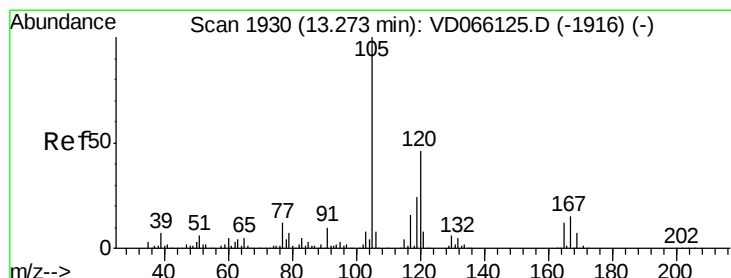
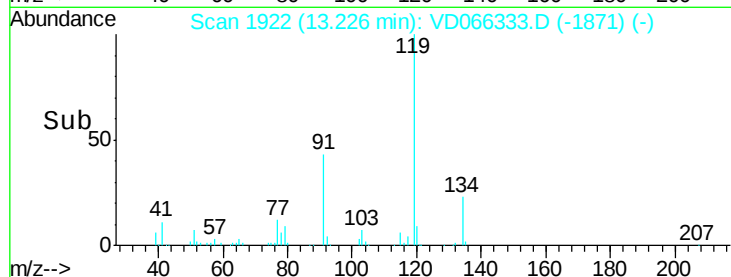
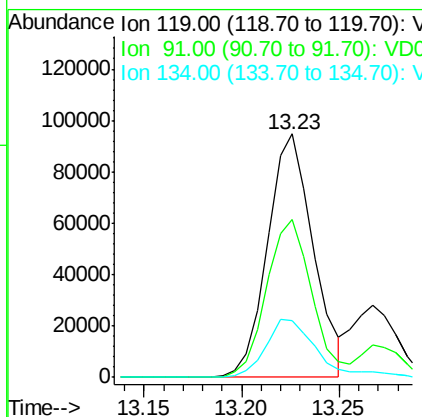
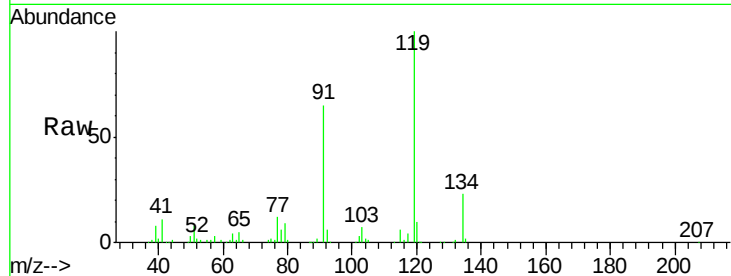
#83
tert-Butylbenzene
Concen: 21.639 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	153932		
91	64.6	30.8	92.4	
134	26.8	13.6	40.8	

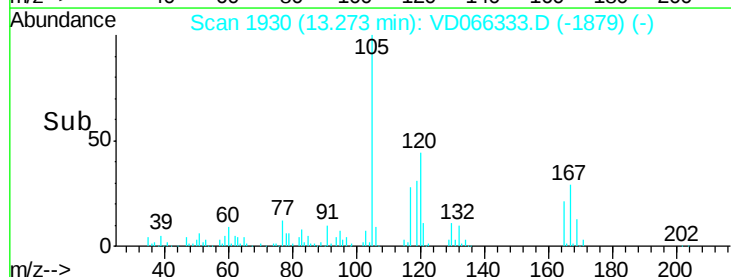
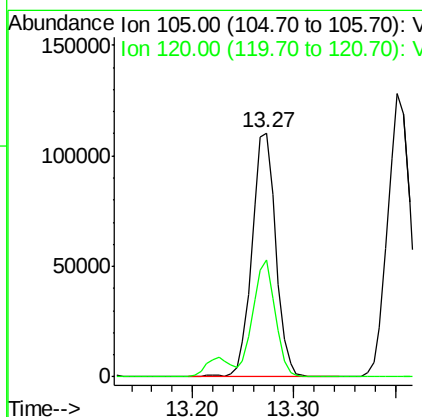
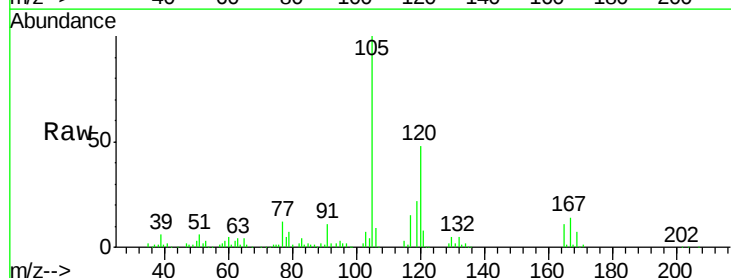
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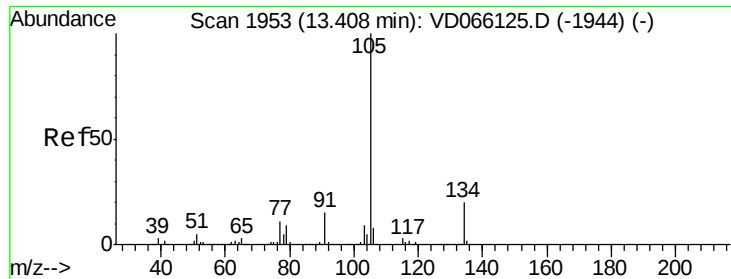
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#84
1,2,4-Trimethylbenzene
Concen: 22.191 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	179637		
120	44.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.920 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

Instrument :

MSVOA_D

ClientSampled :

VD0819SBS02

Tot Ion:105 Resp: 200921

Ion Ratio Lower Upper

105 100

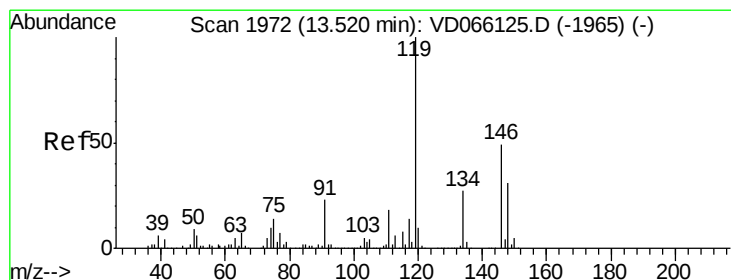
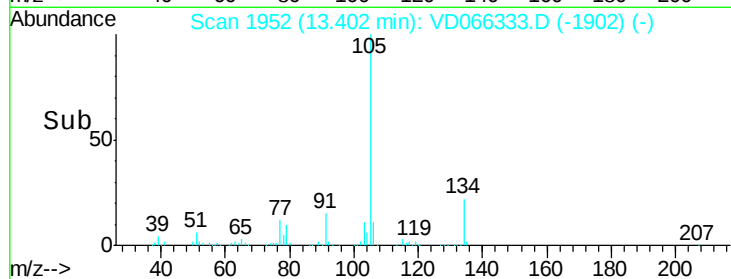
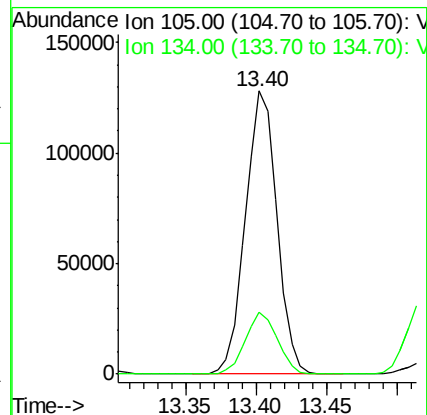
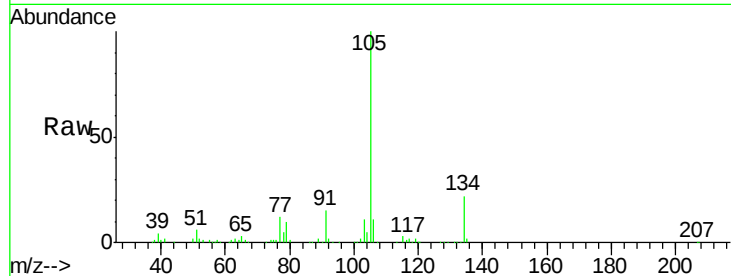
134 22.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.347 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066333.D

Acq: 20 Aug 2020 00:04

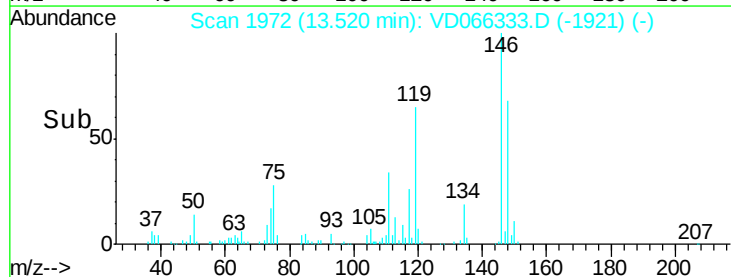
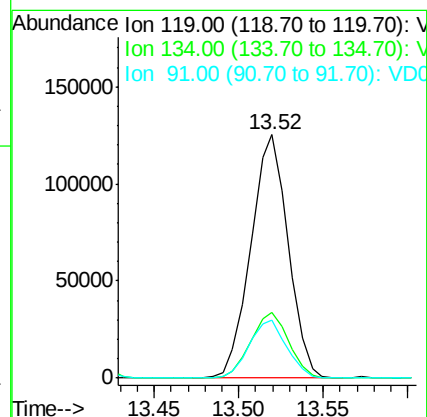
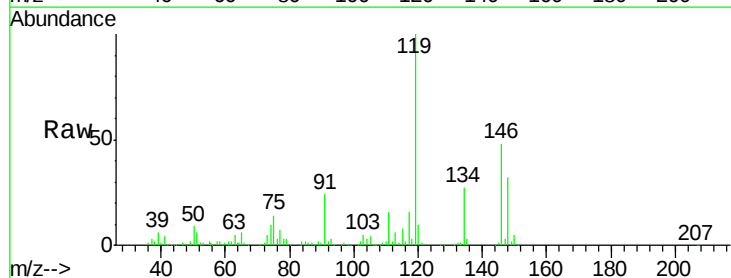
Tgt Ion:119 Resp: 192294

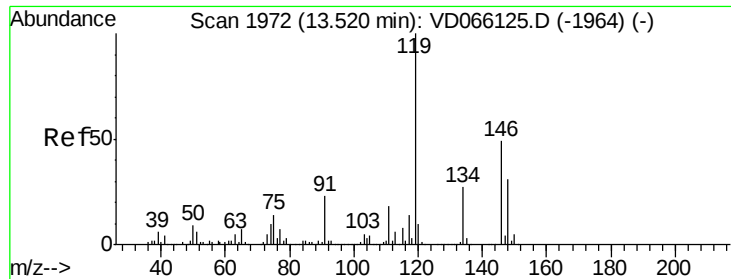
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 24.3 11.2 33.5





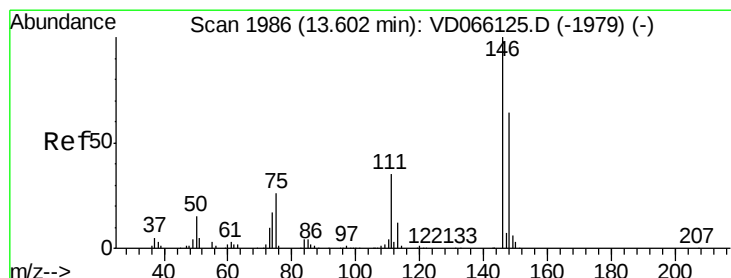
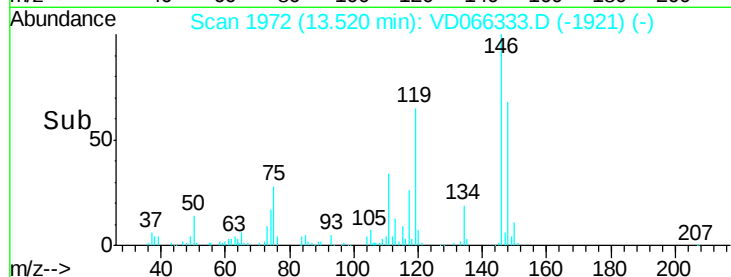
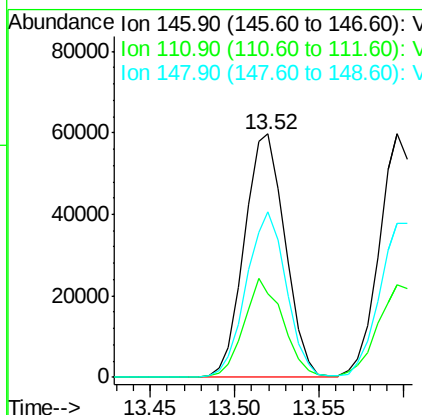
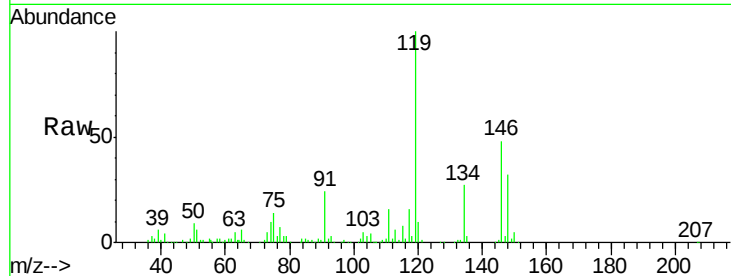
#87
 1,3-Dichlorobenzene
 Concen: 21.414 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100207		
111	38.7		18.9	56.9
148	66.7		31.8	95.3

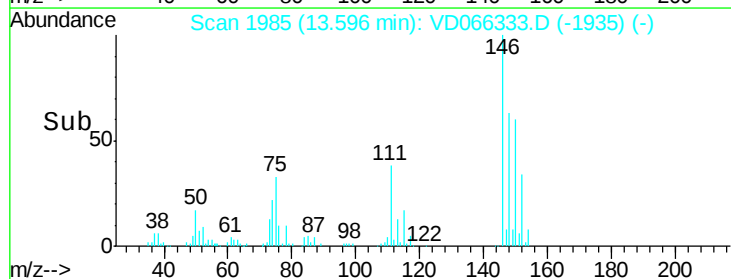
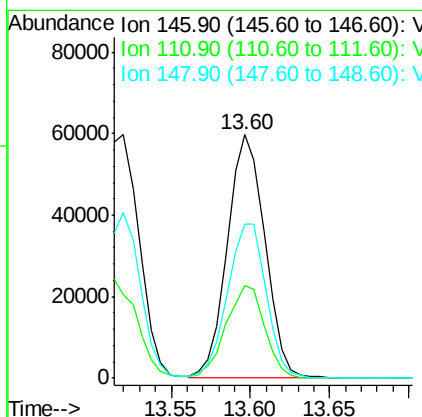
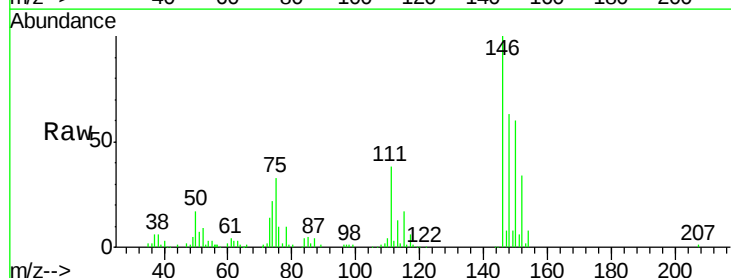
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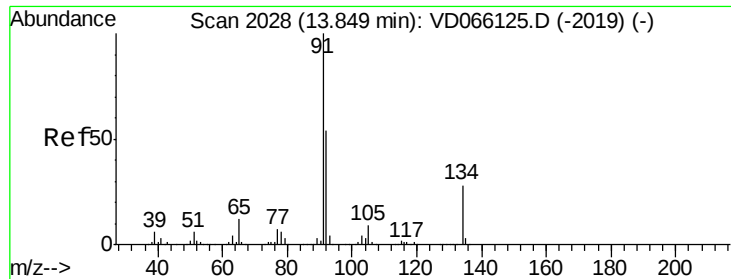
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#88
 1,4-Dichlorobenzene
 Concen: 21.043 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	98200		
111	39.5		18.6	55.8
148	65.1		32.4	97.0





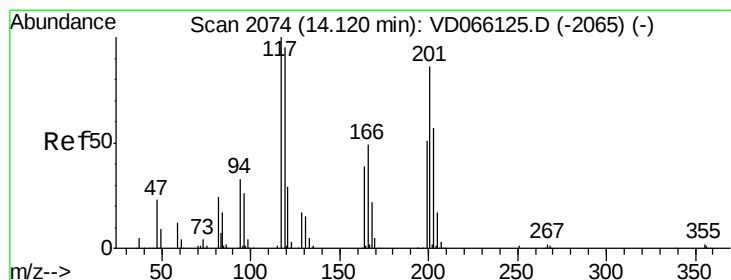
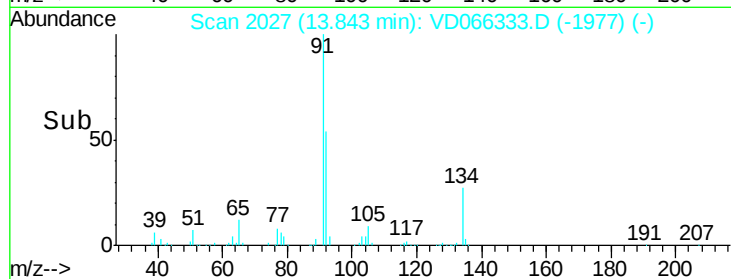
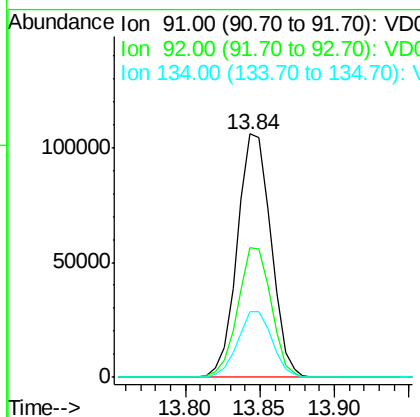
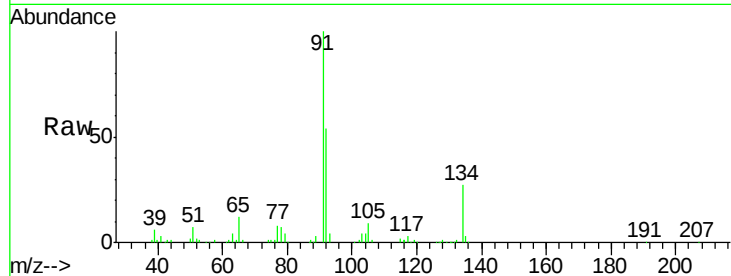
#89
n-Butylbenzene
Concen: 20.550 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165852		
92	53.0	26.8	80.3	
134	27.5	14.0	41.9	

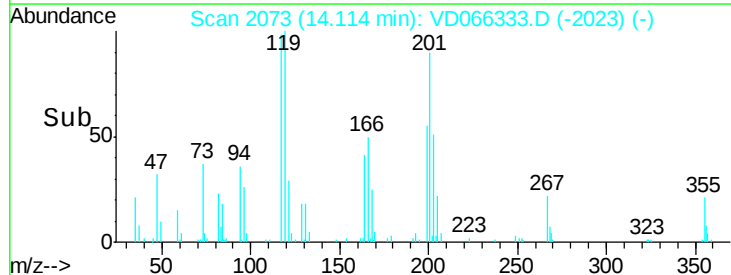
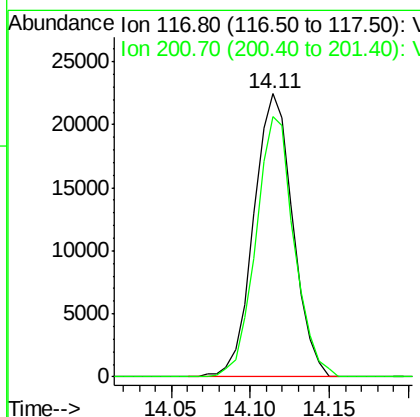
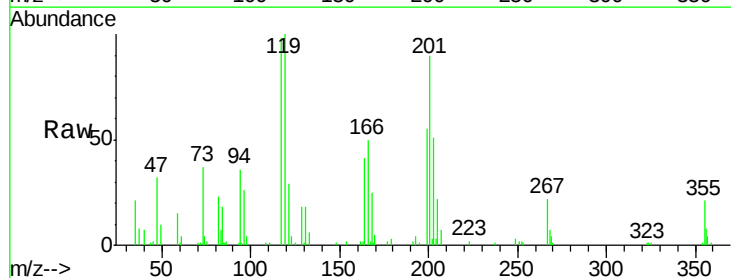
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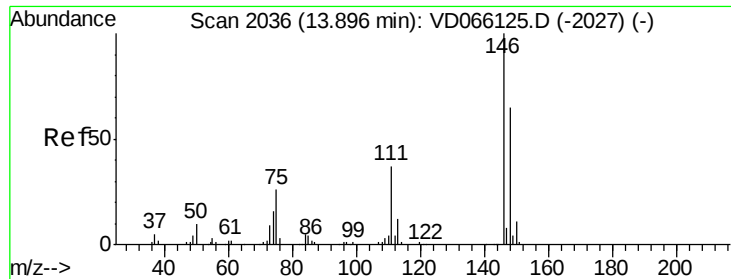
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#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38483		
201	90.3	42.7	128.1	





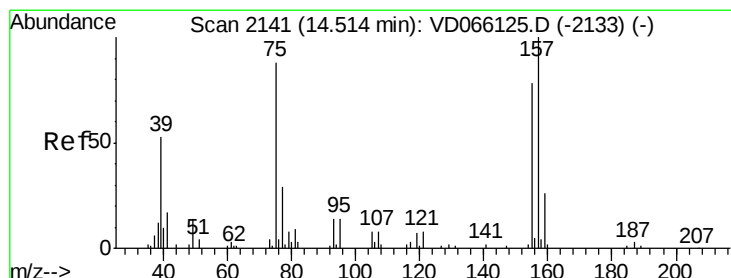
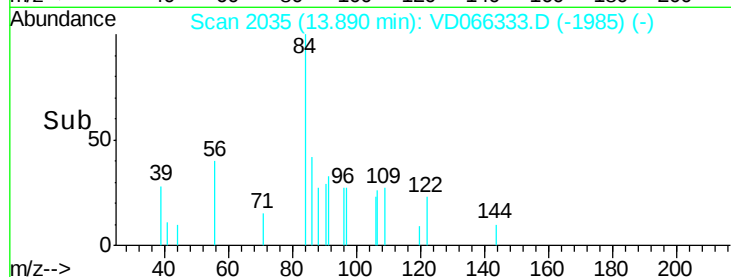
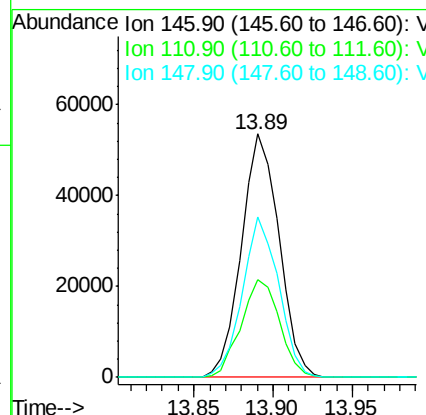
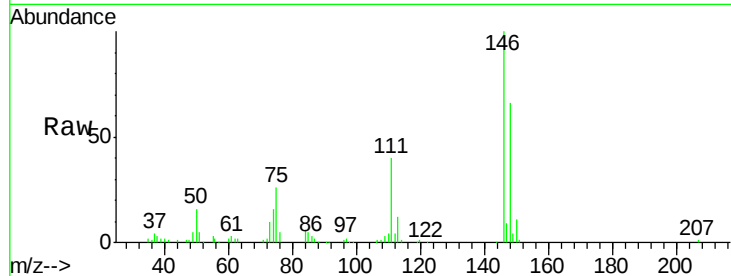
#91
 1,2-Dichlorobenzene
 Concen: 21.340 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.8	56.3
148	63.8	31.9	95.5

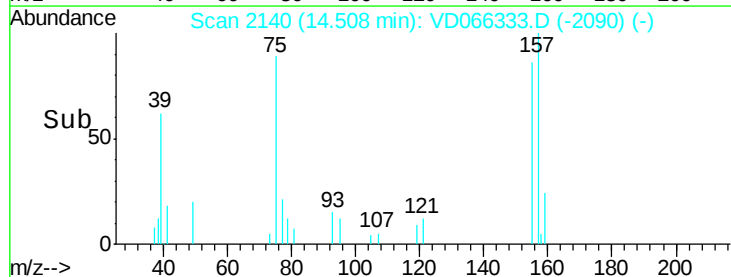
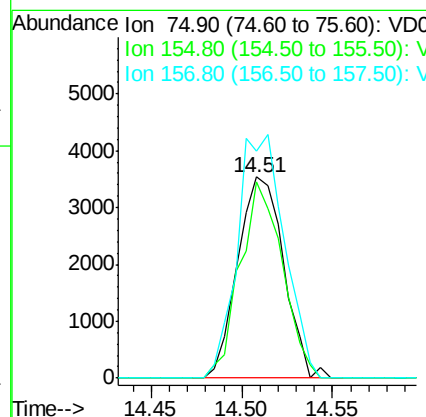
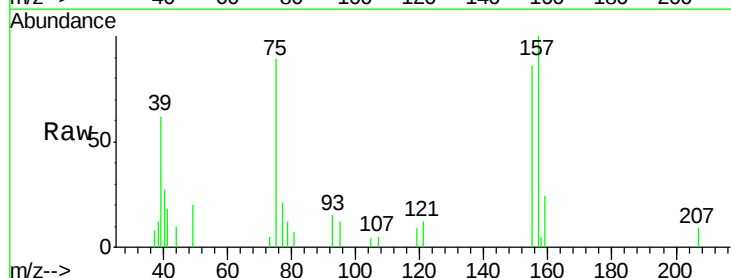
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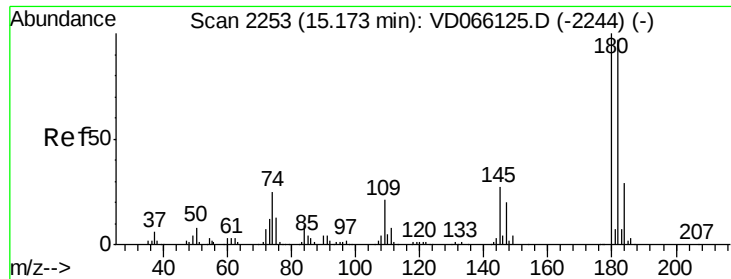
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.000 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	47.7	143.1
157	124.2	62.1	186.2





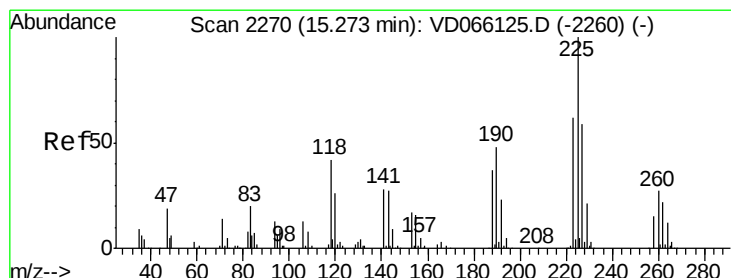
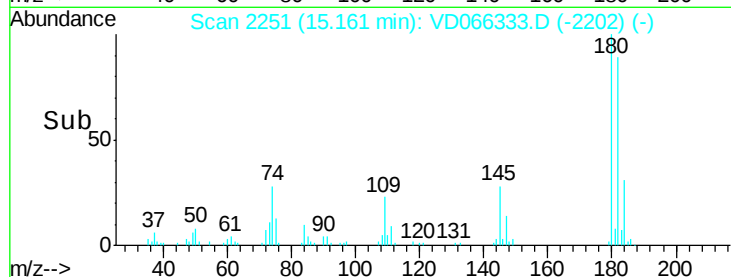
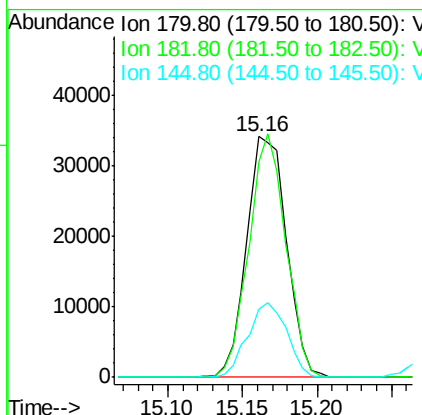
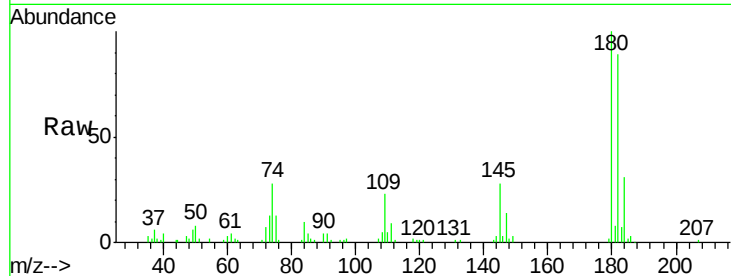
#93
 1,2,4-Trichlorobenzene
 Concen: 20.635 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62930		
182	93.5	47.4	142.2	
145	30.4	14.5	43.6	

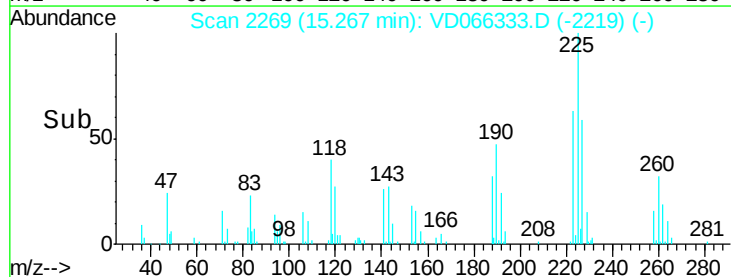
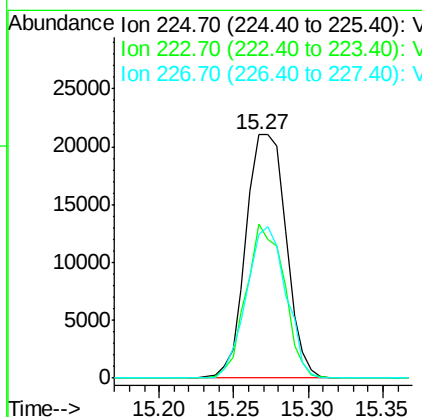
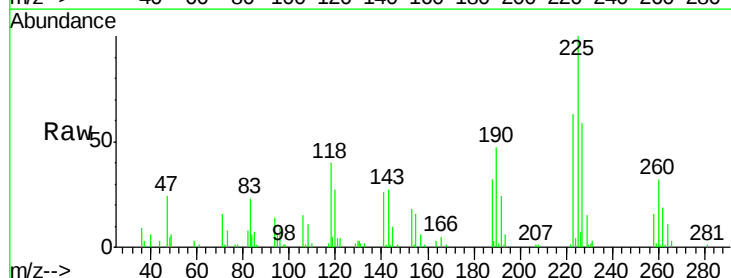
Manual Integrations
 APPROVED

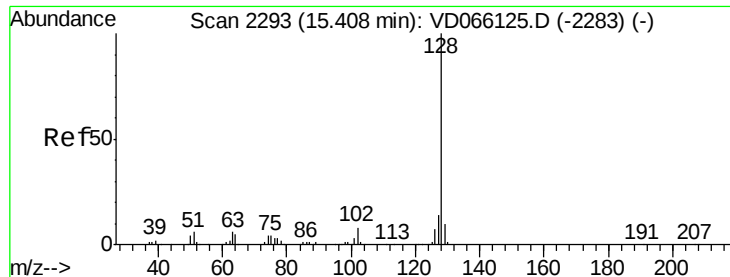
MMDadoda
 8/20/2020 3:37:03 PM



#94
 Hexachlorobutadiene
 Concen: 21.866 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066333.D
 Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39269		
223	59.6	32.3	96.9	
227	61.0	32.1	96.5	





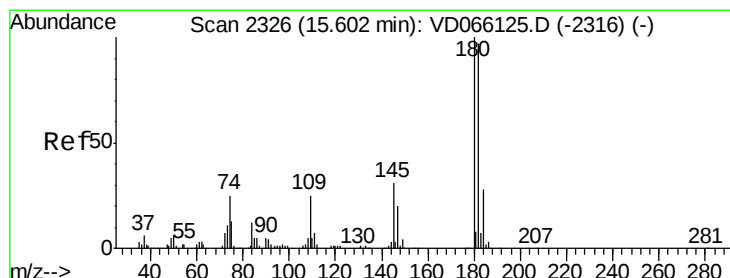
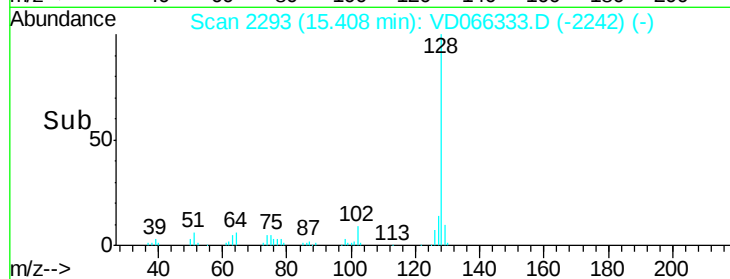
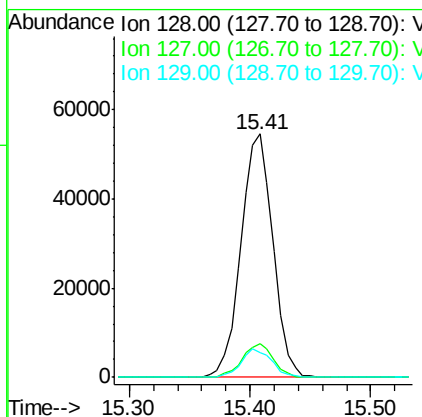
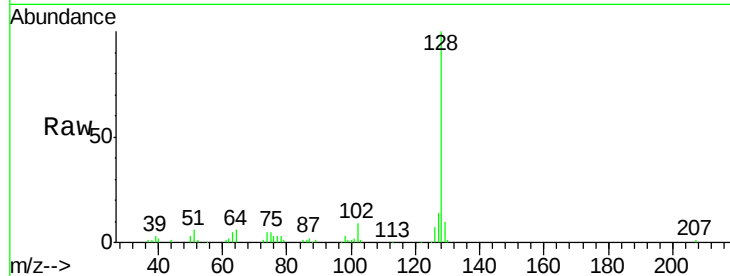
#95
Naphthalene
Concen: 20.222 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Instrument :
MSVOA_D
ClientSampleId :
VD0819SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/20/2020 3:37:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.618 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066333.D
Acq: 20 Aug 2020 00:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	32.0	14.9	44.9

