

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065475.D
 Acq On : 11 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0311SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 9:49:35 AM

Quant Time: Mar 11 16:33:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193303	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	7.91	113	209653	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	818766	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.64	95	257233	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88290	22.090	ug/l	96
3) Chloromethane	2.21	50	104250	21.605	ug/l	100
4) Vinyl Chloride	2.35	62	102495	21.535	ug/l	100
5) Bromomethane	2.76	94	63465	21.024	ug/l	99
6) Chloroethane	2.92	64	62617	21.481	ug/l	99
7) Trichlorofluoromethane	3.27	101	153719	21.919	ug/l	99
8) Diethyl Ether	3.70	74	42811	20.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98016	21.701	ug/l	98
10) Methyl Iodide	4.29	142	92120	19.632	ug/l	97
11) Tert butyl alcohol	5.24	59	20027	87.523	ug/l	96
12) 1,1-Dichloroethene	4.05	96	88817	20.536	ug/l	94
13) Acrolein	3.92	56	31533	79.906	ug/l	97
14) Allyl chloride	4.71	41	129715	19.524	ug/l	99
15) Acrylonitrile	5.43	53	89212	98.327	ug/l	100
16) Acetone	4.17	43	82697	102.503	ug/l	98
17) Carbon Disulfide	4.40	76	298606	20.732	ug/l	100
18) Methyl Acetate	4.72	43	40535	19.807	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	166480	20.016	ug/l	98
20) Methylene Chloride	4.96	84	111372	23.595	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	100753	20.941	ug/l	94
22) Diisopropyl ether	6.37	45	264317	21.401	ug/l	97
23) Vinyl Acetate	6.31	43	678817	98.985	ug/l	99
24) 1,1-Dichloroethane	6.26	63	168110	21.221	ug/l	99
25) 2-Butanone	7.22	43	107071	97.252	ug/l	97
26) 2,2-Dichloropropane	7.21	77	150557	21.748	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	102357	20.814	ug/l	99
28) Bromochloromethane	7.54	49	63115	19.913	ug/l	98
29) Tetrahydrofuran	7.57	42	67885	96.552	ug/l	98
30) Chloroform	7.71	83	171899	21.709	ug/l	95
31) Cyclohexane	7.98	56	162394	20.501	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	157404	21.511	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138796	21.692	ug/l	99
37) Ethyl Acetate	7.30	43	52680	21.301	ug/l #	93
38) Carbon Tetrachloride	8.10	117	144766	21.819	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159478	20.637	ug/l	96
40) Benzene	8.35	78	400851	22.407	ug/l	99
41) Methacrylonitrile	7.53	41	25371	19.398	ug/l #	44
42) 1,2-Dichloroethane	8.43	62	102915	22.031	ug/l	99
43) Isopropyl Acetate	8.46	43	92012	20.150	ug/l	99
44) Trichloroethene	9.11	130	109206	21.616	ug/l	93
45) 1,2-Dichloropropane	9.38	63	94777	21.871	ug/l	97
46) Dibromomethane	9.48	93	47686	21.215	ug/l	96
47) Bromodichloromethane	9.67	83	128410	21.959	ug/l	96
48) Methyl methacrylate	9.46	41	42026	19.565	ug/l	95
49) 1,4-Dioxane	9.47	88	10891	423.586	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	239373	104.170	ug/l	98
52) Toluene	10.40	92	253521	22.495	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	115186	21.078	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	141071	21.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67200	21.108	ug/l	93
56) Ethyl methacrylate	10.66	69	70411	19.618	ug/l	96
57) 1,3-Dichloropropane	10.95	76	117502	21.814	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117466	105.986	ug/l	99
59) 2-Hexanone	10.99	43	160722	101.039	ug/l	100
60) Dibromochloromethane	11.14	129	91474	22.415	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65247	21.486	ug/l	99
64) Tetrachloroethene	10.87	164	97045	22.051	ug/l	94
65) Chlorobenzene	11.67	112	261217	21.492	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	98161	22.176	ug/l	96
67) Ethyl Benzene	11.75	91	449934	21.425	ug/l	100
68) m/p-Xylenes	11.86	106	356149	43.982	ug/l	99
69) o-Xylene	12.18	106	150628	21.147	ug/l	97
70) Styrene	12.20	104	274599	21.905	ug/l	99
71) Bromoform	12.37	173	53658	21.581	ug/l #	100
73) Isopropylbenzene	12.48	105	425749	20.835	ug/l	100
74) N-amyl acetate	12.30	43	79740	19.061	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	72606	20.214	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46695m	19.048	ug/l	
77) Bromobenzene	12.77	156	107736	21.220	ug/l	99
78) n-propylbenzene	12.83	91	518826	21.399	ug/l	100
79) 2-Chlorotoluene	12.91	91	286038	20.933	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	358124	21.318	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22498	19.367	ug/l	97
82) 4-Chlorotoluene	13.01	91	312199	21.742	ug/l	99
83) tert-Butylbenzene	13.23	119	292049	20.549	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	358044	21.622	ug/l	100
85) sec-Butylbenzene	13.41	105	432405	21.314	ug/l	99
86) p-Isopropyltoluene	13.53	119	390975	21.120	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	210790	21.595	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	207517	21.373	ug/l	99
89) n-Butylbenzene	13.86	91	357756	20.904	ug/l	99
90) Hexachloroethane	14.12	117	80576	21.136	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	178656	21.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11388	20.818	ug/l	92

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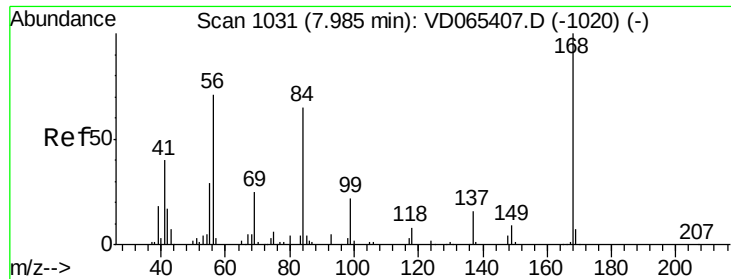
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116014	20.607	ug/l	97
94) Hexachlorobutadiene	15.28	225	81064	21.914	ug/l	99
95) Naphthalene	15.41	128	171437	19.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	101683	20.901	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:168 Resp: 465050

Ion Ratio Lower Upper

168 100

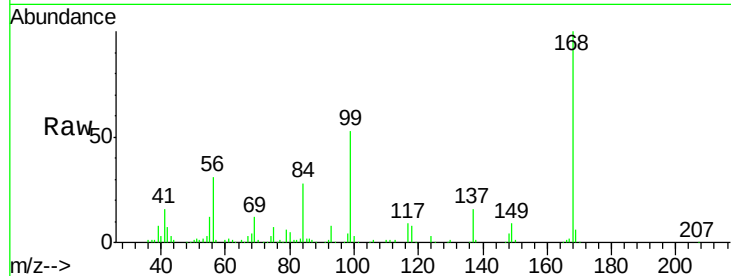
99 53.2 41.5 62.3

Manual Integrations

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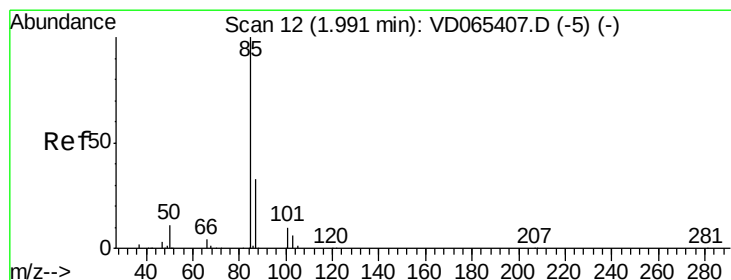
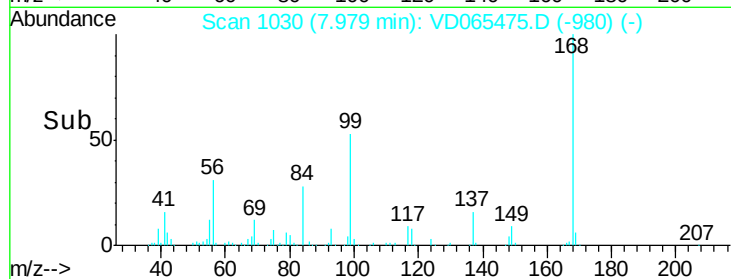
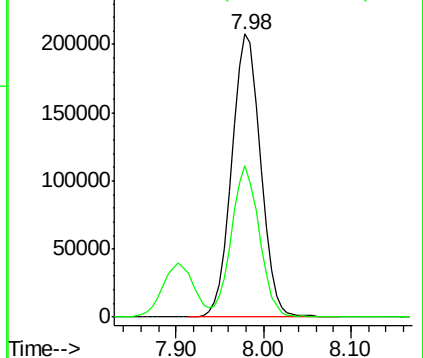
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.090 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065475.D

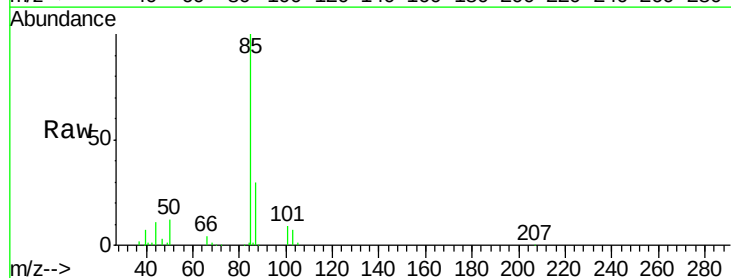
Acq: 11 Mar 2020 12:09

Tgt Ion: 85 Resp: 88290

Ion Ratio Lower Upper

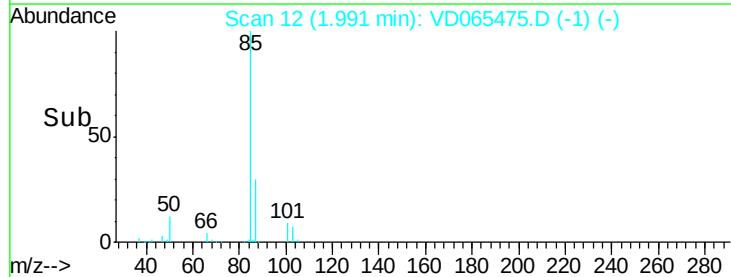
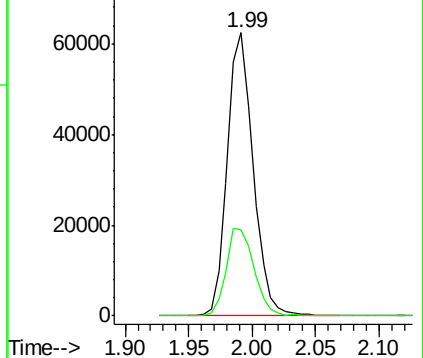
85 100

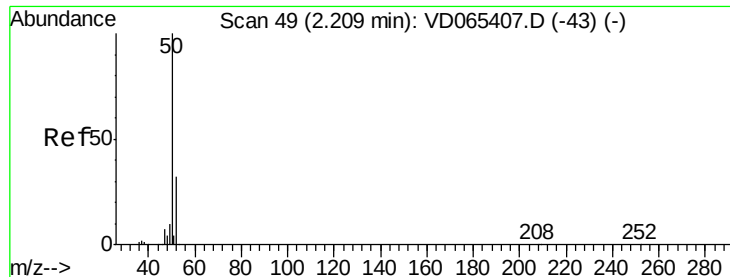
87 30.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.605 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 50 Resp: 104250

Ion Ratio Lower Upper

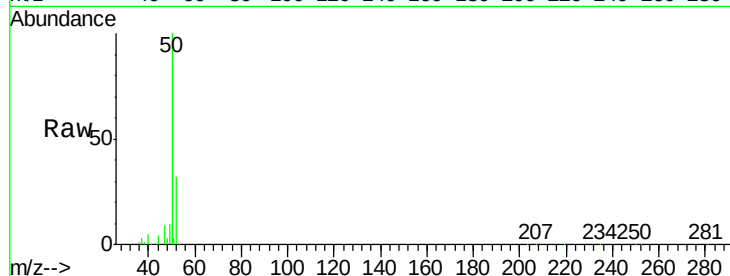
50 100

52 32.1 25.8 38.8

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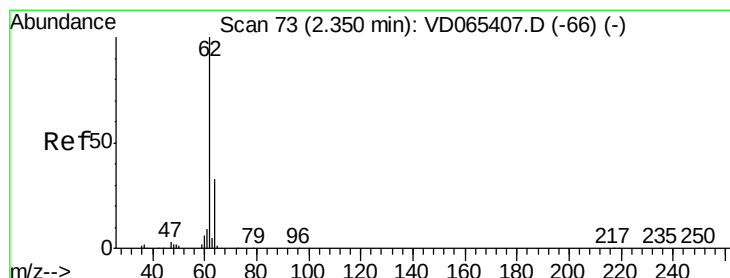
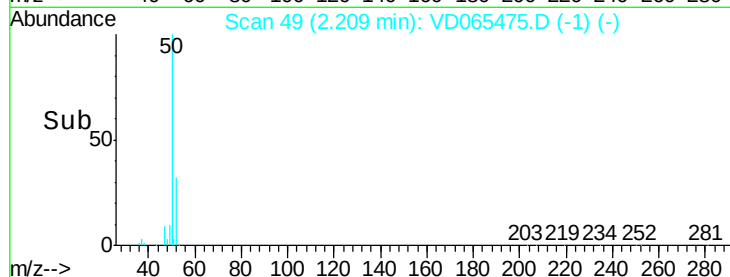
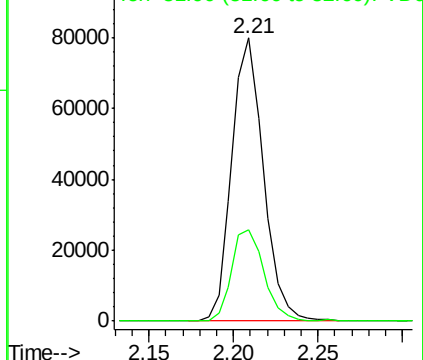
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.535 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065475.D

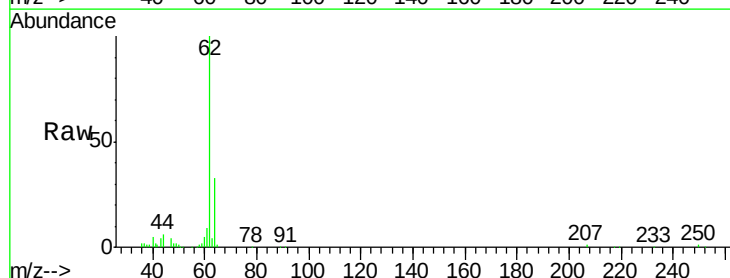
Acq: 11 Mar 2020 12:09

Tgt Ion: 62 Resp: 102495

Ion Ratio Lower Upper

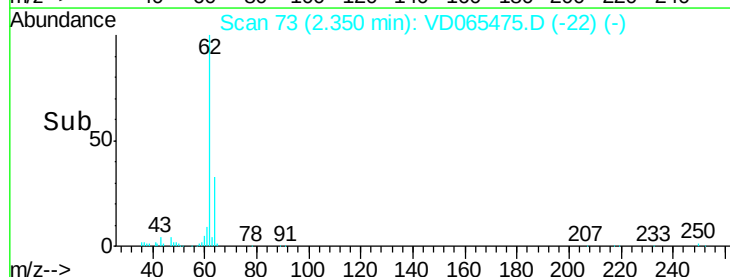
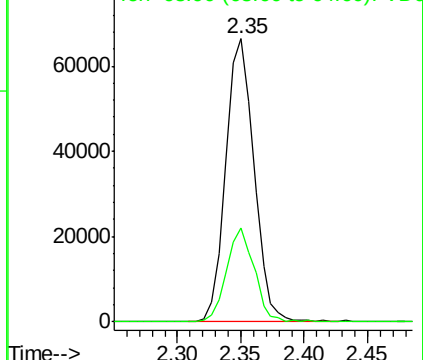
62 100

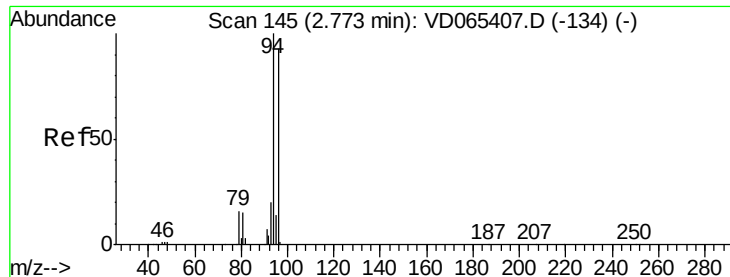
64 33.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.024 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 94 Resp: 63465

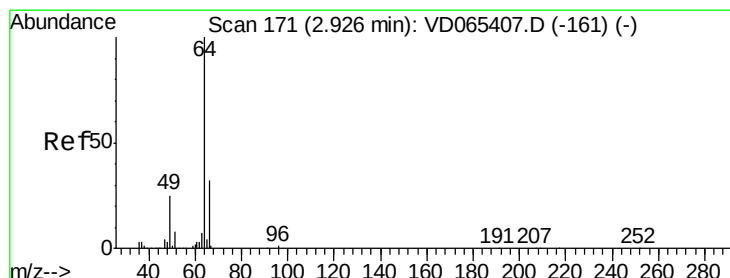
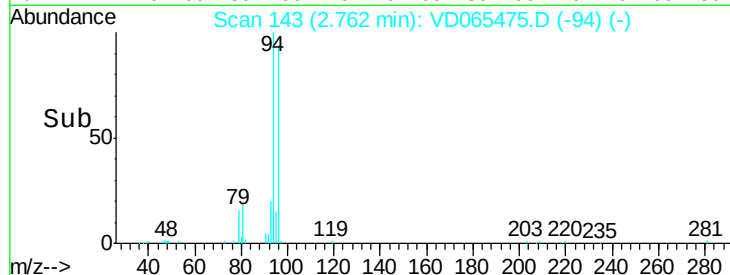
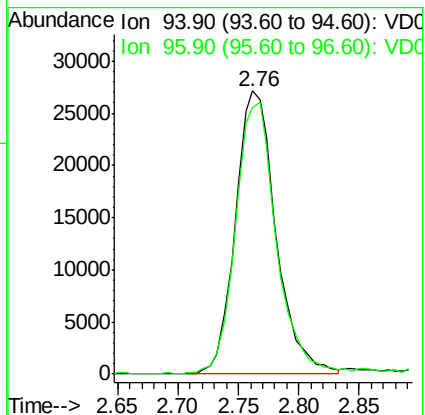
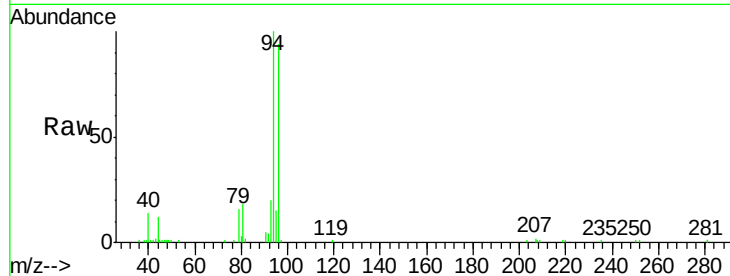
Ion Ratio Lower Upper

94 100

96 93.7 74.4 111.6

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#6

Chloroethane

Concen: 21.481 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065475.D

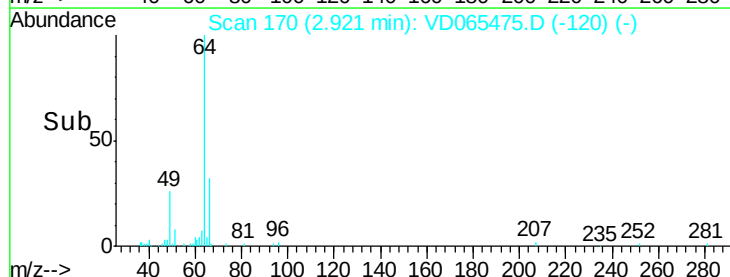
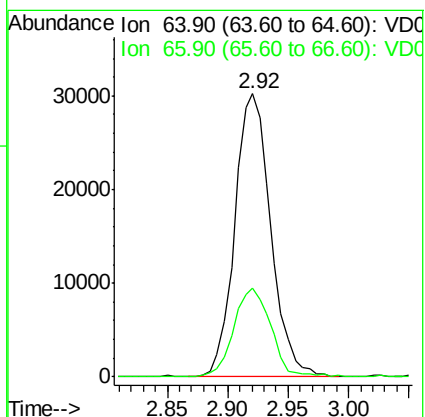
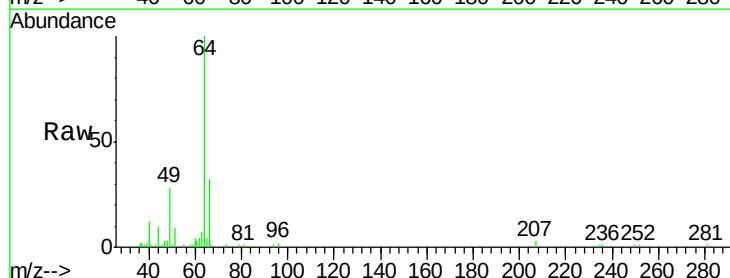
Acq: 11 Mar 2020 12:09

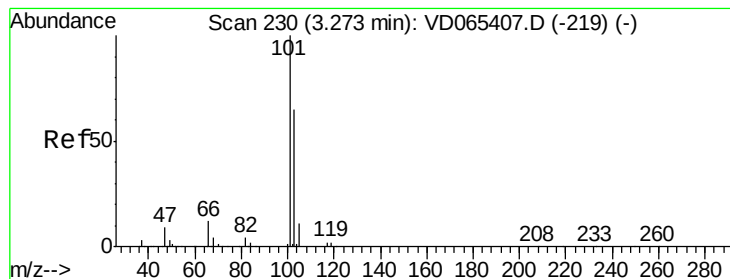
Tgt Ion: 64 Resp: 62617

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

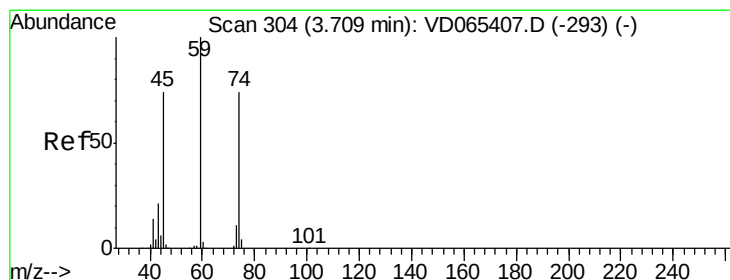
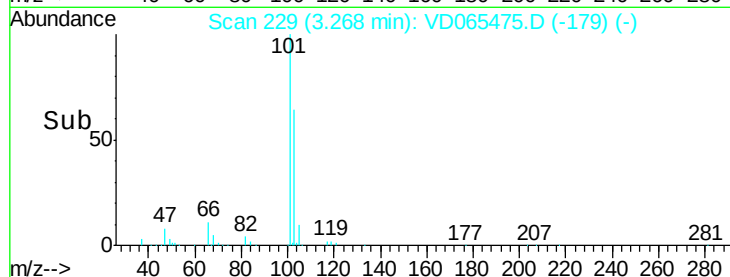
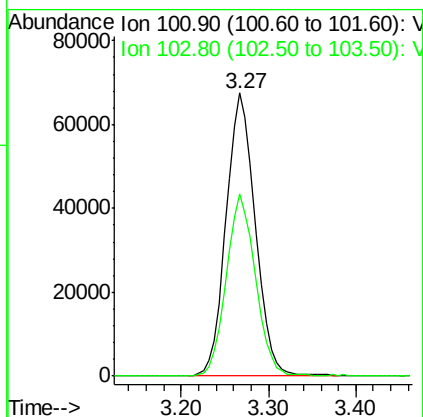
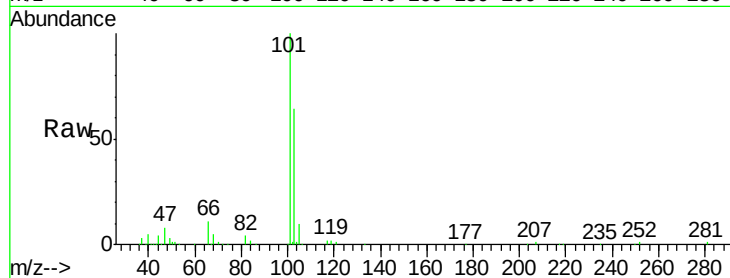
Trichlorofluoromethane
 Concen: 21.919 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
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 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	153719		
103	64.4	52.1	78.1	

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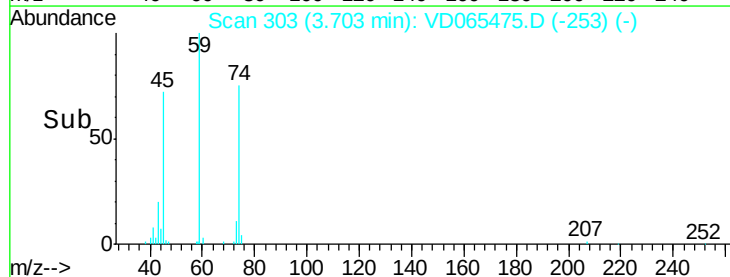
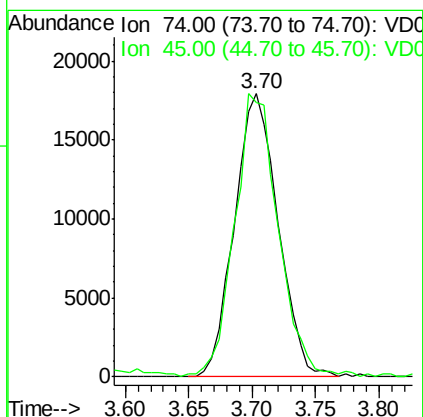
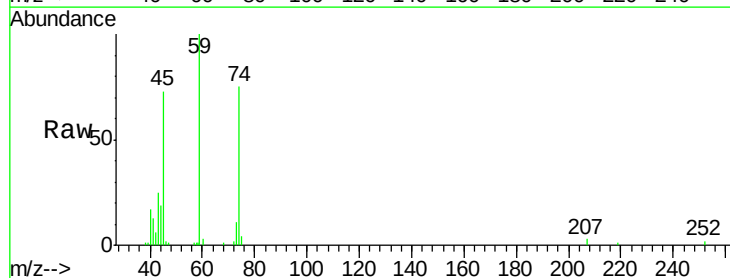
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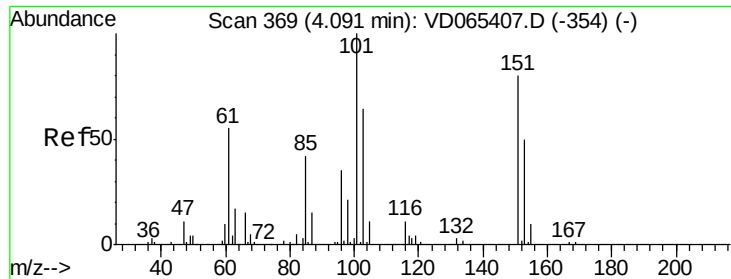


#8

Diethyl Ether
 Concen: 20.527 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42811		
45	100.6	49.5	148.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.701 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

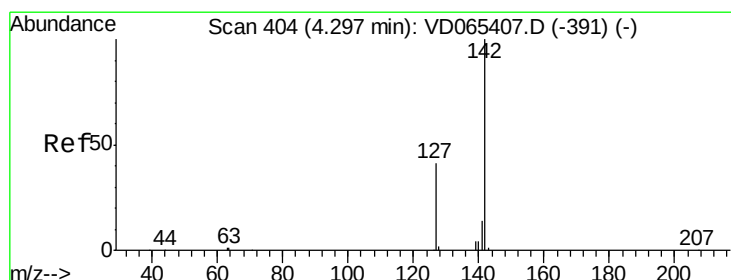
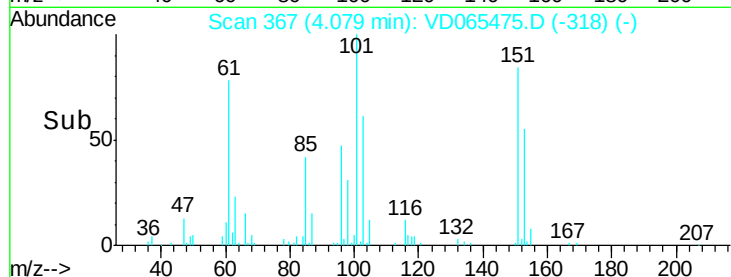
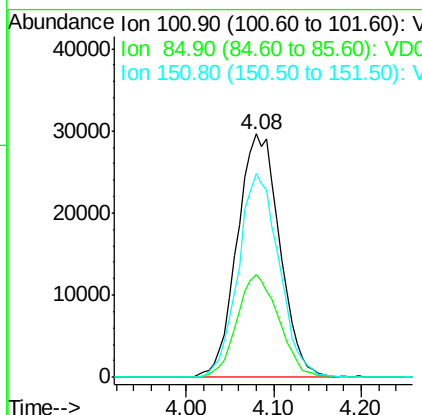
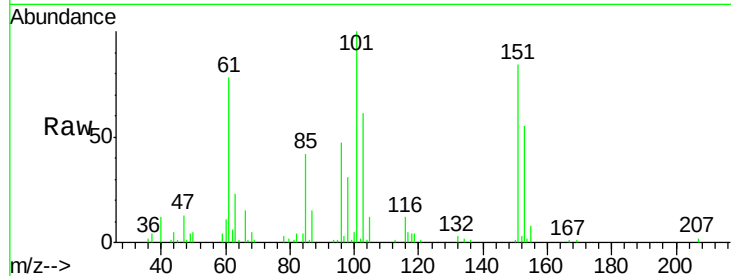
ClientSampleId :

VD0311SBS01

Tot Ion:	101	Resp:	98016
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.2
151	80.3	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.632 ug/l

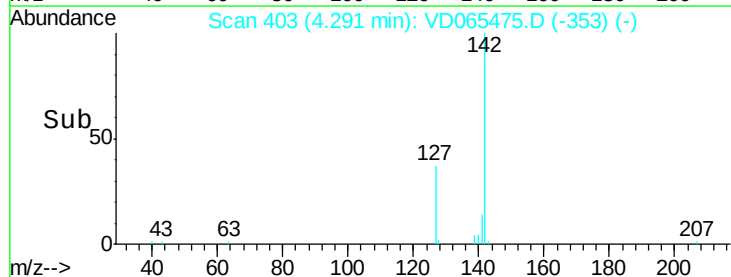
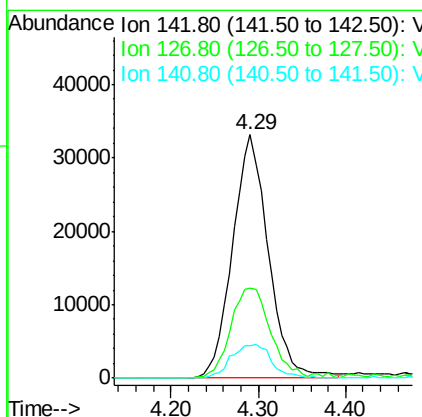
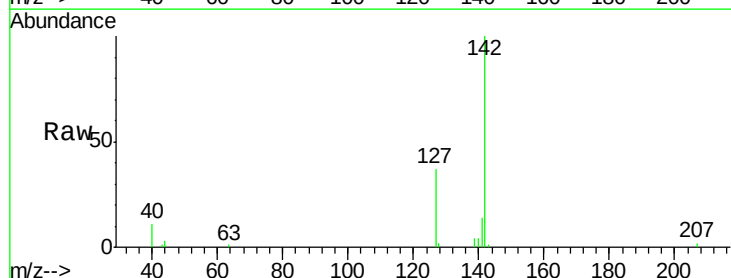
RT: 4.29 min Scan# 403

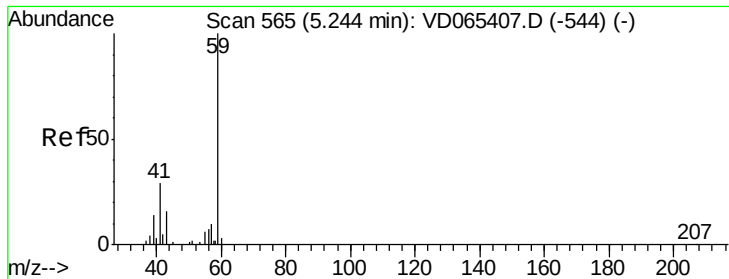
Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	142	Resp:	92120
Ion Ratio	Lower	Upper	
142	100		
127	41.0	35.0	52.6
141	15.4	12.4	18.6





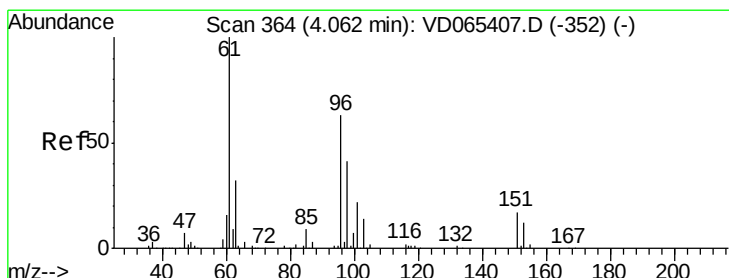
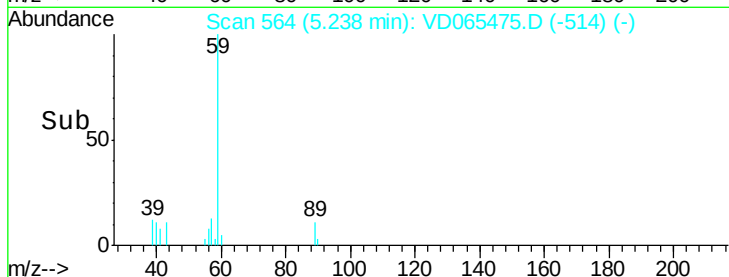
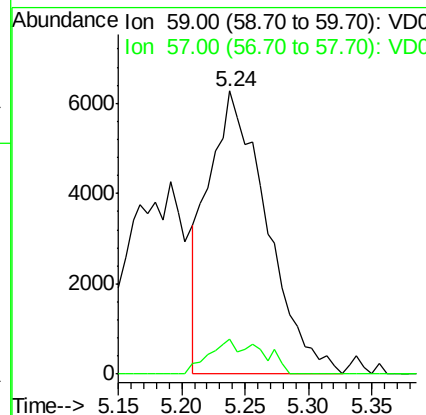
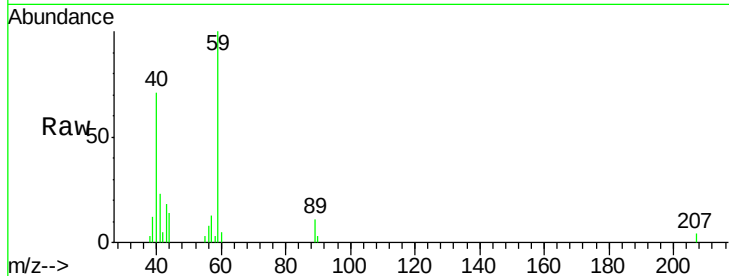
#11
Tert butyl alcohol
Concen: 87.523 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20027		
57	7.0		6.9	10.3

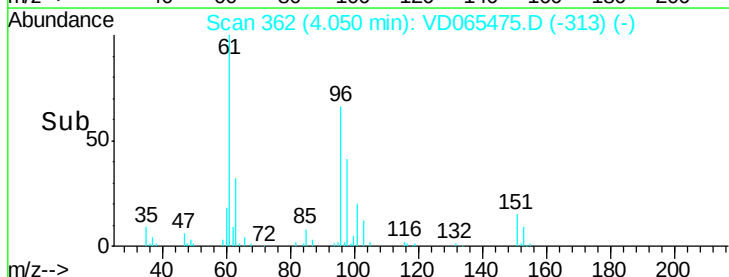
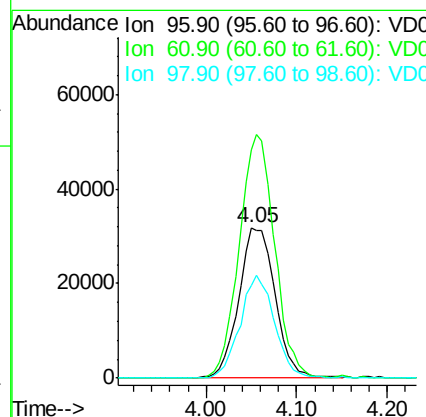
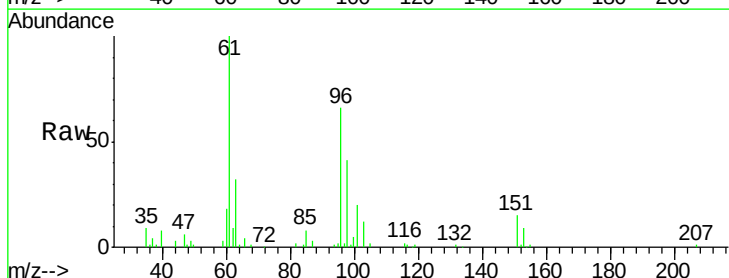
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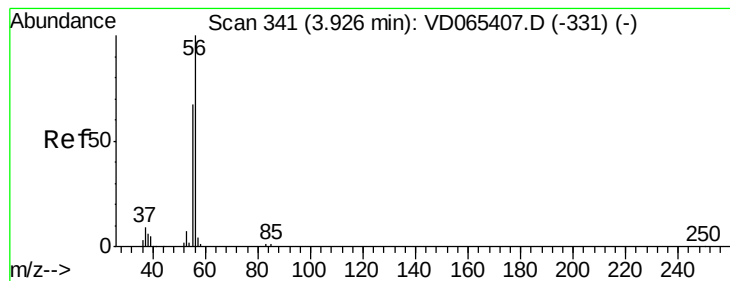
MMDadoda
3/13/2020 9:49:35 AM



#12
1,1-Dichloroethene
Concen: 20.536 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	88817		
61	151.3		128.0	192.0
98	61.8		51.9	77.9





#13

Acrolein

Concen: 79.906 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 56 Resp: 31533

Ion Ratio Lower Upper

56 100

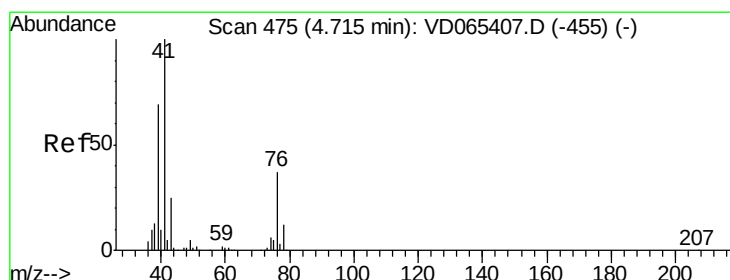
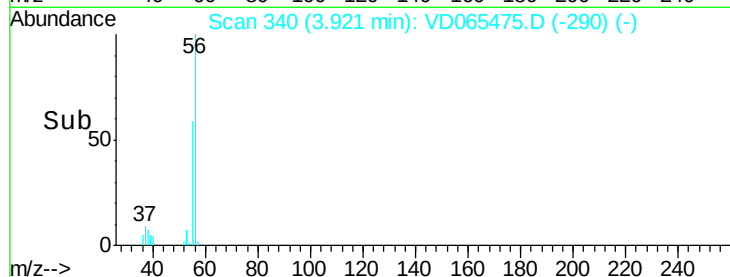
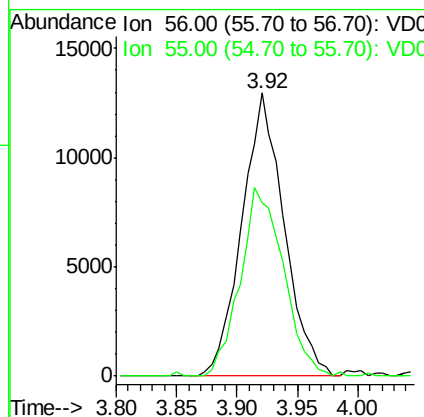
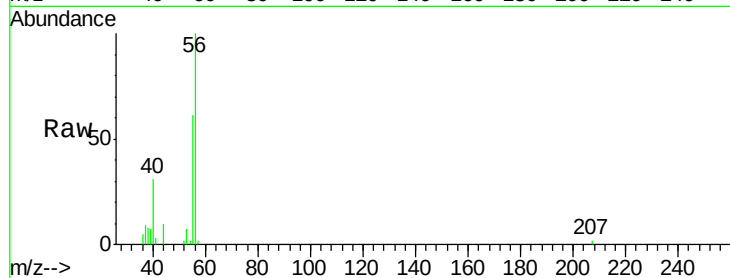
55 68.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.524 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

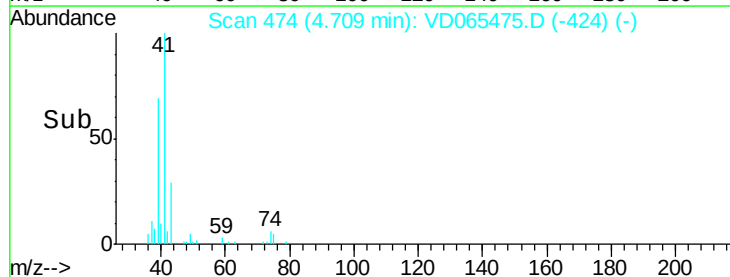
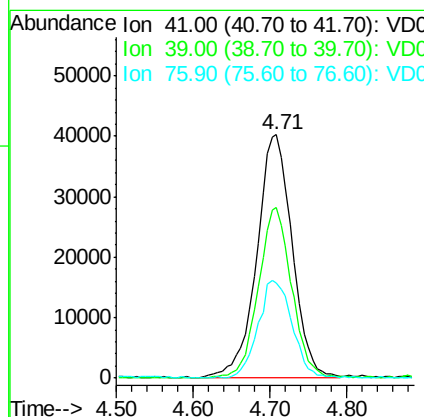
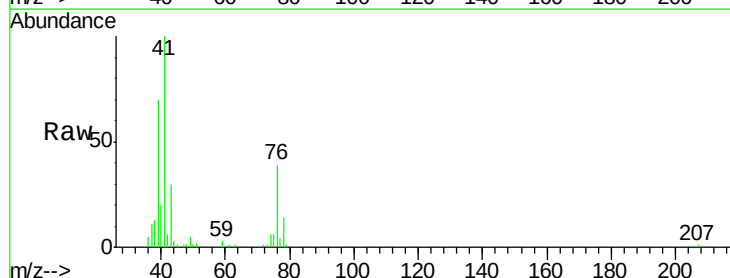
Tgt Ion: 41 Resp: 129715

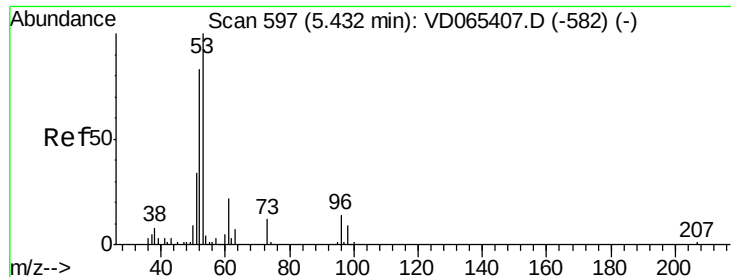
Ion Ratio Lower Upper

41 100

39 65.8 52.6 79.0

76 38.3 29.2 43.8





#15

Acrylonitrile

Concen: 98.327 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

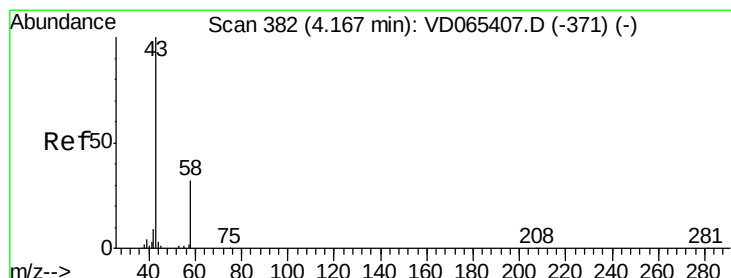
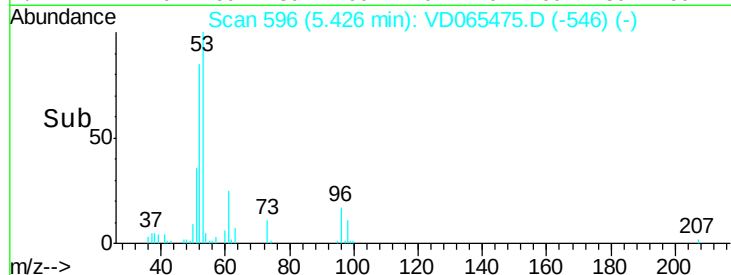
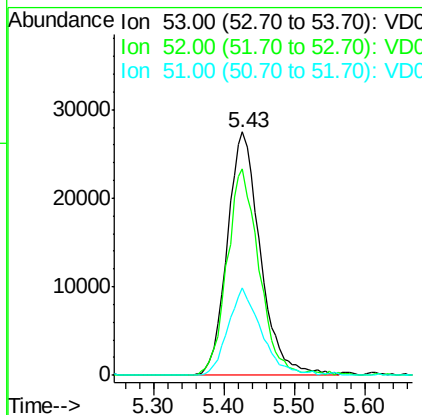
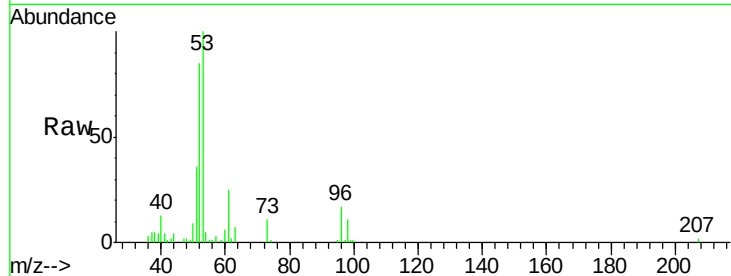
ClientSampleId :

VD0311SBS01

Tot Ion:	53	Resp:	89212
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.1	97.7
51	36.2	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 102.503 ug/l

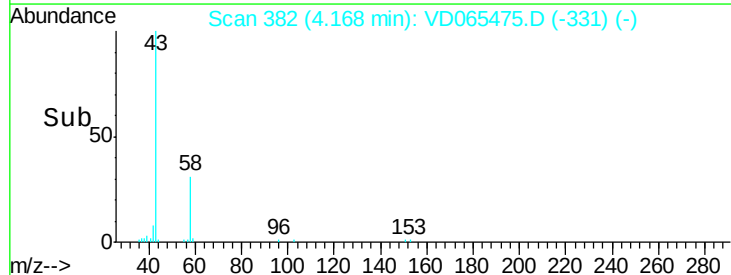
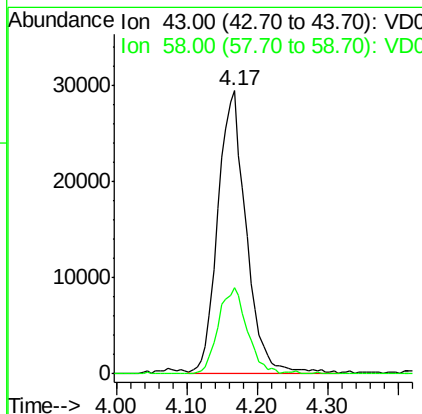
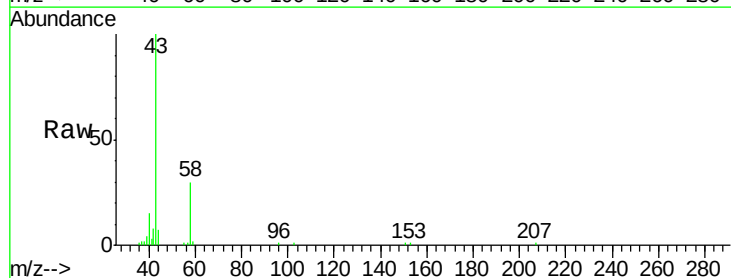
RT: 4.17 min Scan# 382

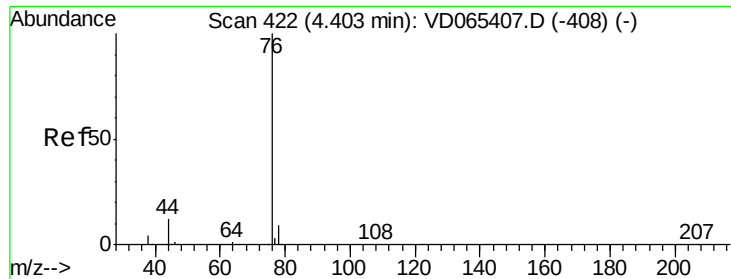
Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	43	Resp:	82697
Ion Ratio	Lower	Upper	
43	100		
58	30.3	25.1	37.7





#17

Carbon Disulfide

Concen: 20.732 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 76 Resp: 298606

Ion Ratio Lower Upper

76 100

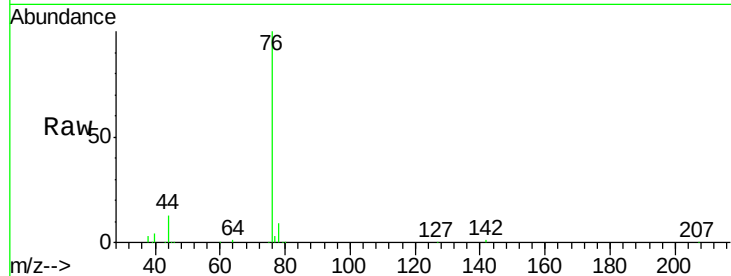
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

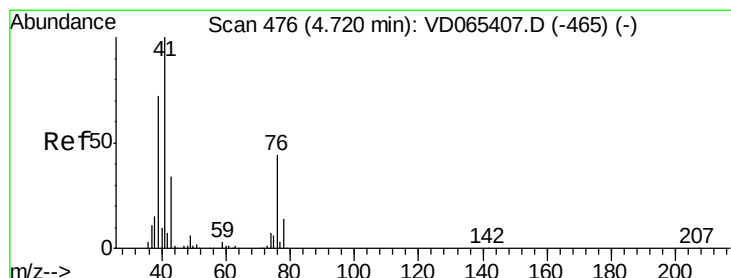
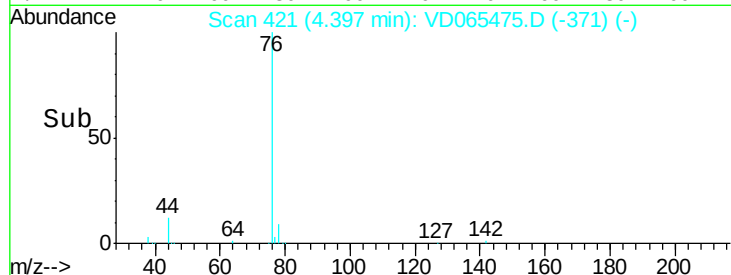
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.807 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065475.D

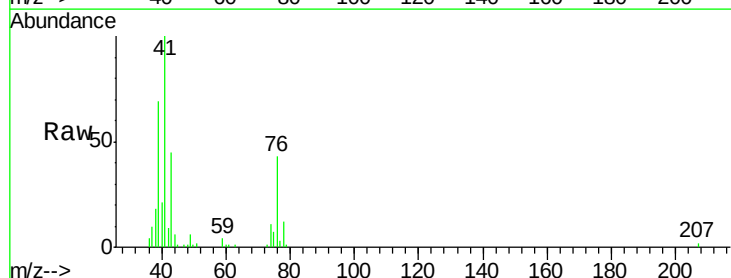
Acq: 11 Mar 2020 12:09

Tgt Ion: 43 Resp: 40535

Ion Ratio Lower Upper

43 100

74 25.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

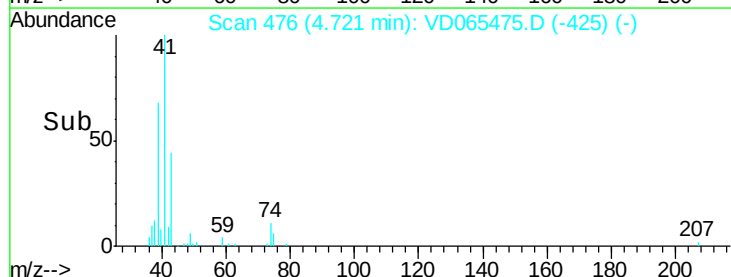
15000

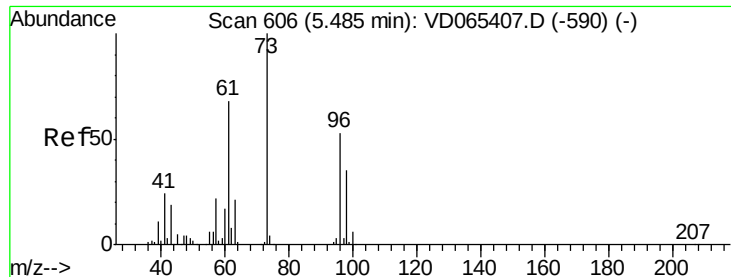
10000

5000

0

Time-->





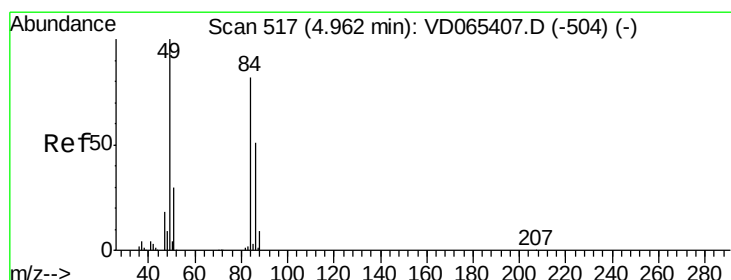
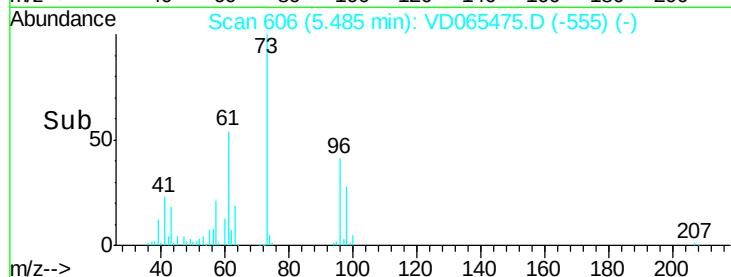
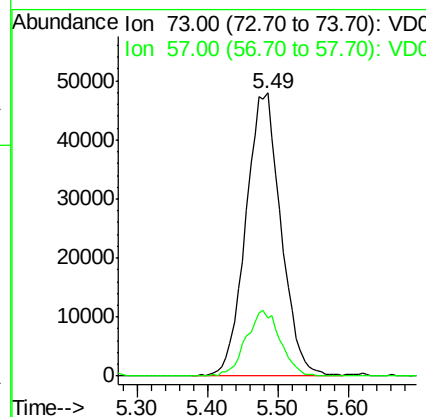
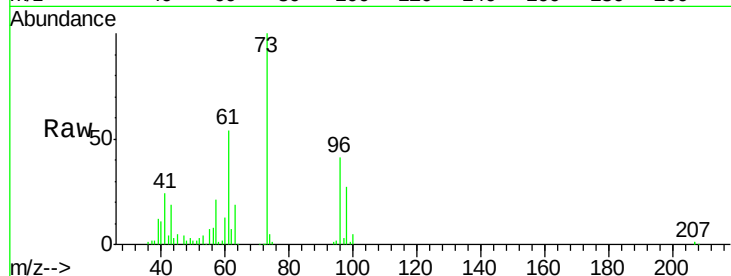
#19
Methyl tert-butyl Ether
Concen: 20.016 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion: 73 Resp: 166480
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9

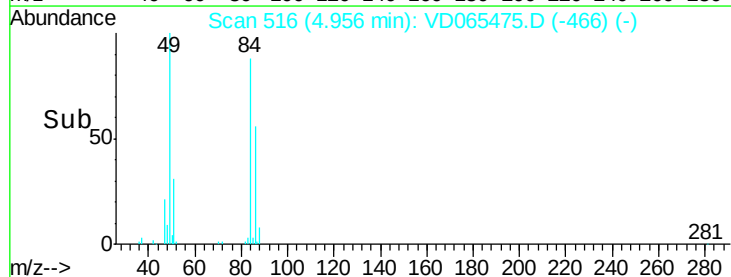
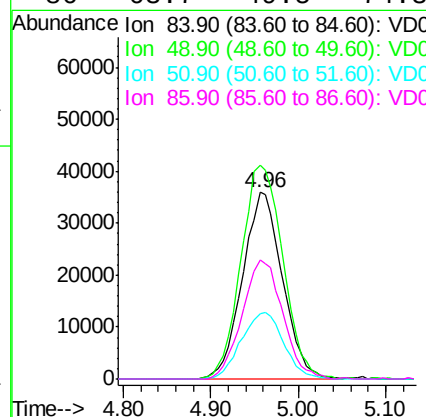
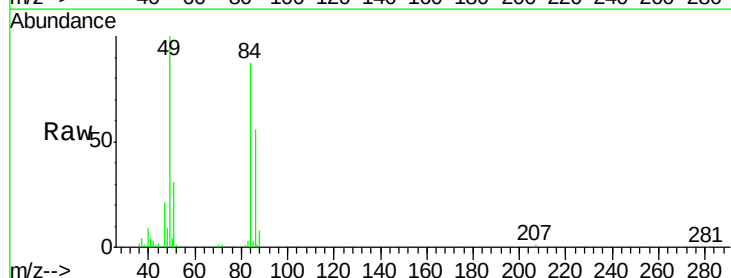
Manual Integrations
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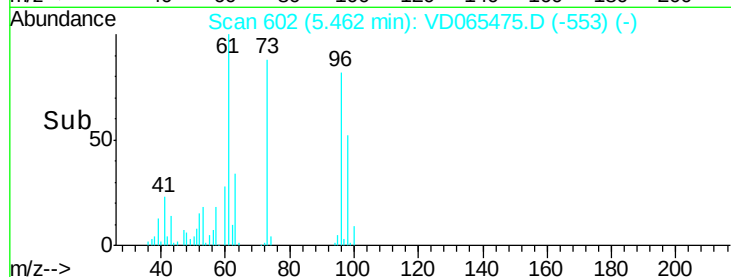
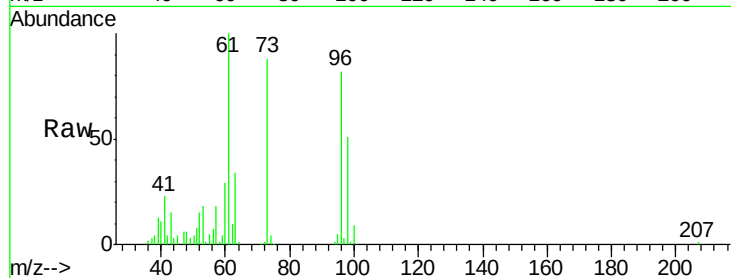
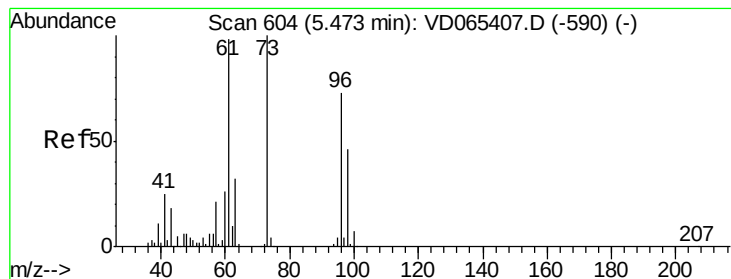
MMDadoda
3/13/2020 9:49:35 AM



#20
Methylene Chloride
Concen: 23.595 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion: 84 Resp: 111372
Ion Ratio Lower Upper
84 100
49 114.6 97.7 146.5
51 35.3 28.8 43.2
86 63.7 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.941 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tot Ion:	96	Resp:	100753
Ion	Ratio	Lower	Upper
96	100		
61	122.3	106.3	159.5
98	62.8	50.2	75.4

Instrument :

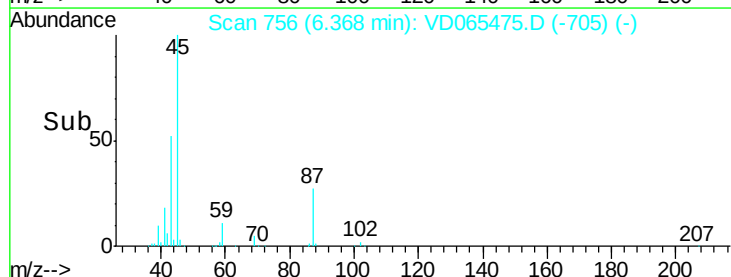
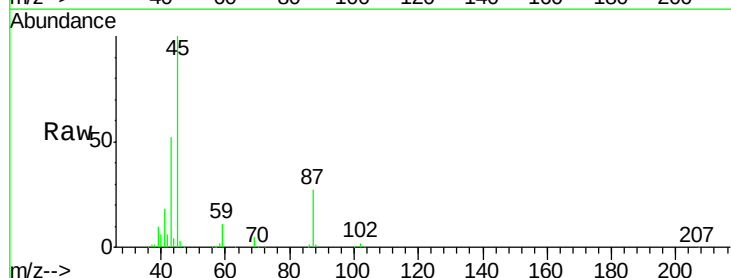
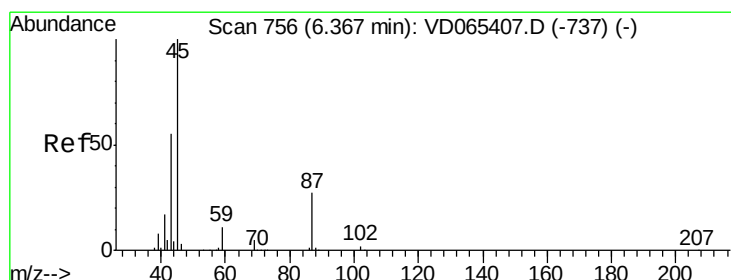
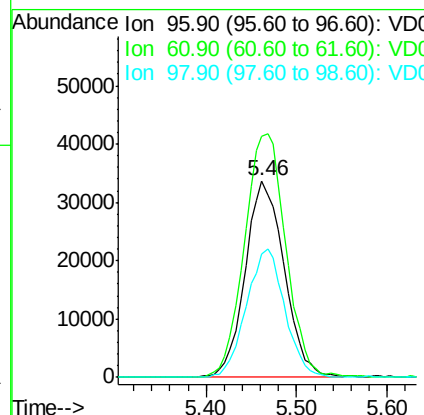
MSVOA_D

ClientSampleId :

VD0311SBS01

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#22

Diisopropyl ether

Concen: 21.401 ug/l

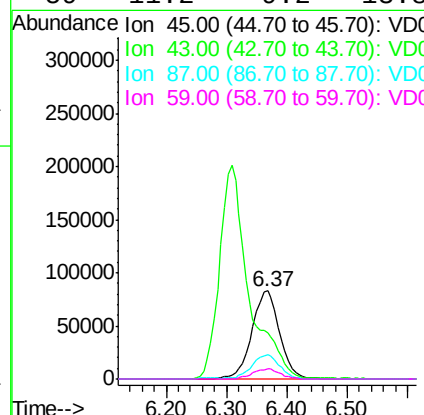
RT: 6.37 min Scan# 756

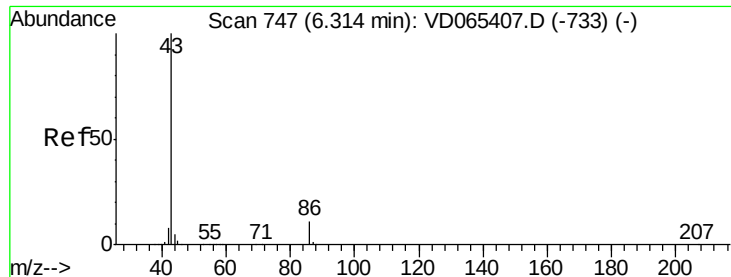
Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	45	Resp:	264317
Ion	Ratio	Lower	Upper
45	100		
43	51.5	44.4	66.6
87	27.4	21.9	32.9
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 98.985 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 43 Resp: 678817

Ion Ratio Lower Upper

43 100

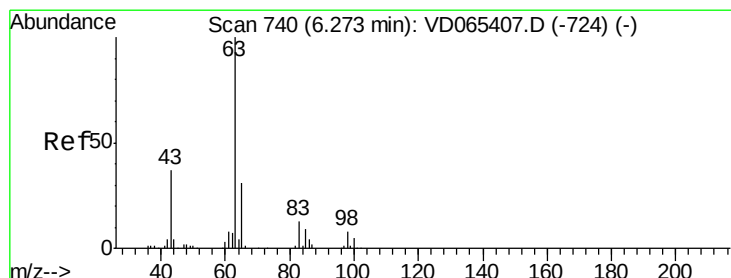
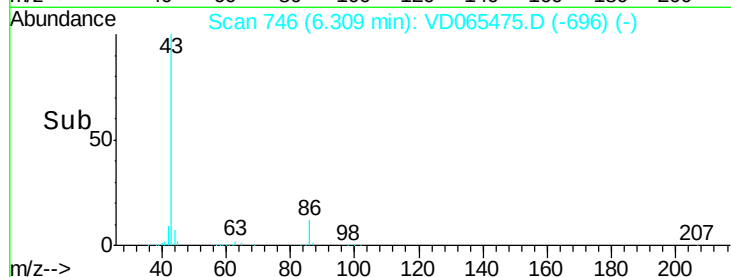
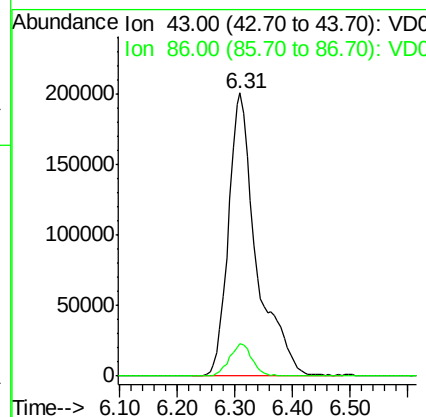
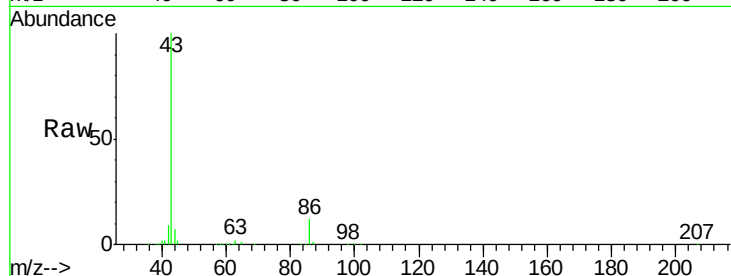
86 11.5 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 21.221 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.02 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

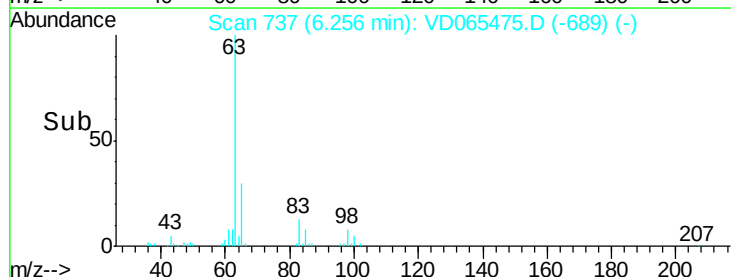
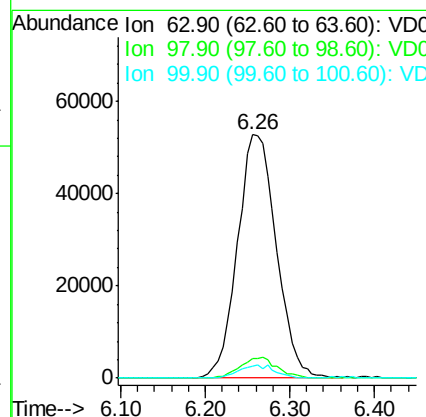
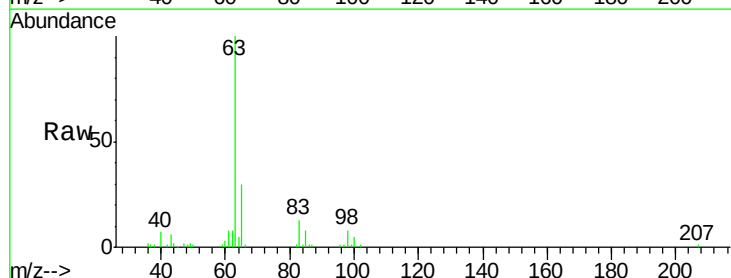
Tgt Ion: 63 Resp: 168110

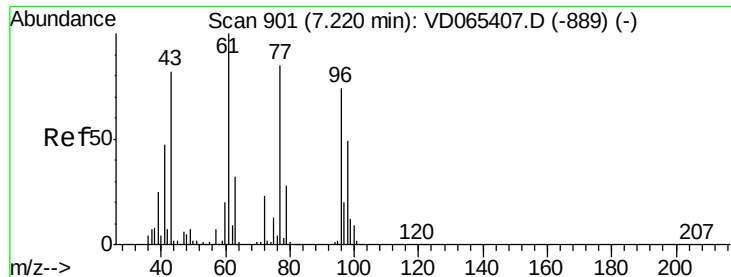
Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 97.252 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 43 Resp: 107071

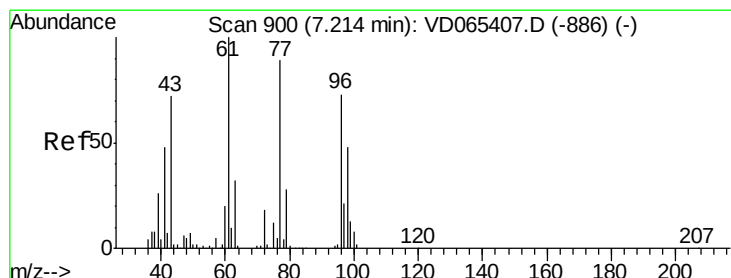
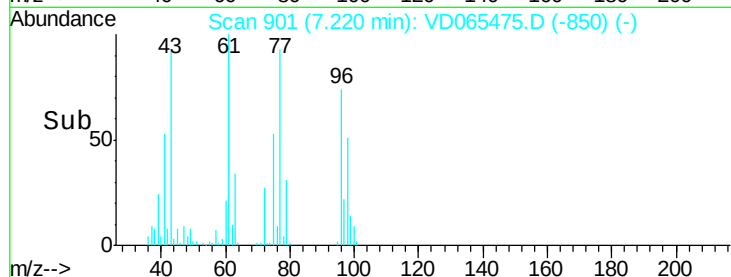
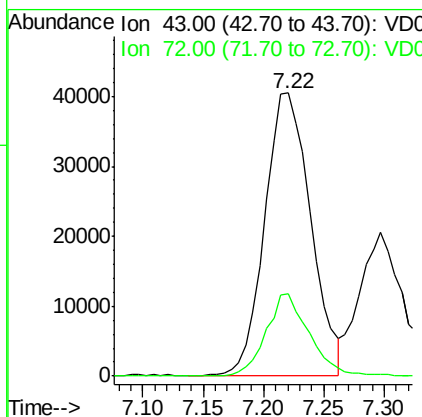
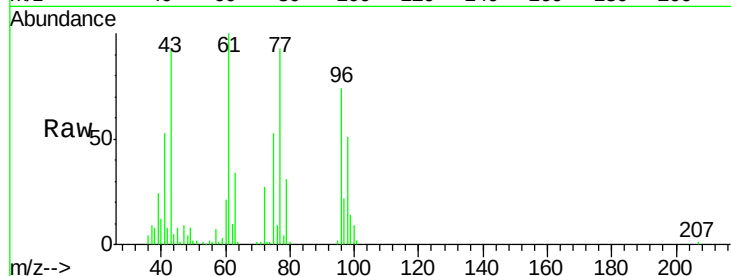
Ion Ratio Lower Upper

43 100

72 29.3 22.3 33.5

Manual Integrations
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3/13/2020 9:49:35 AM



#26

2,2-Dichloropropane

Concen: 21.748 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065475.D

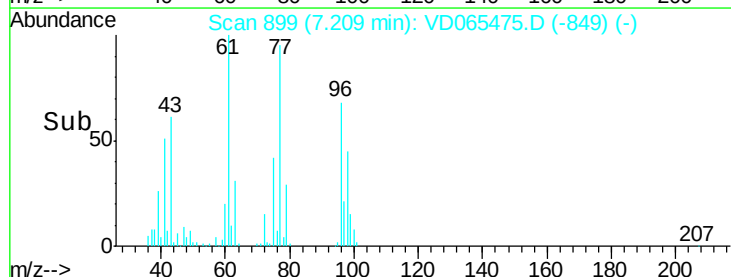
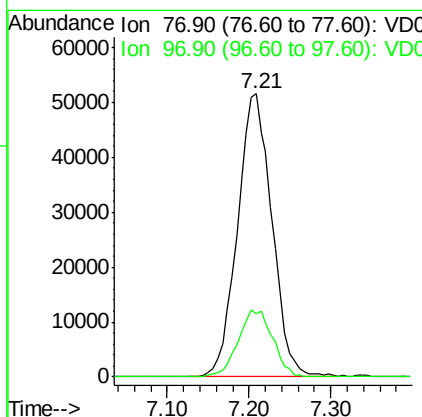
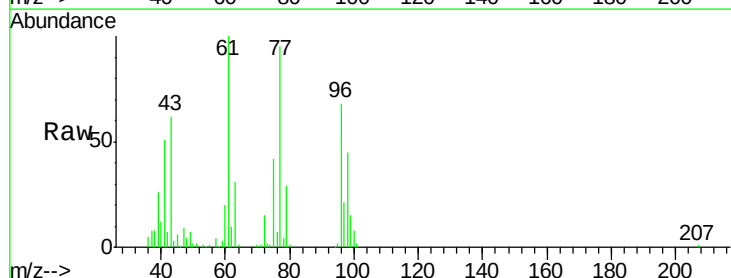
Acq: 11 Mar 2020 12:09

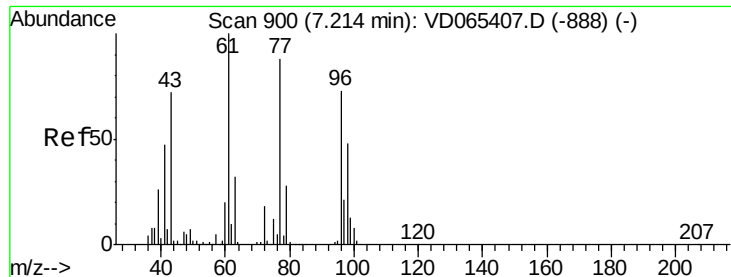
Tgt Ion: 77 Resp: 150557

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 20.814 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

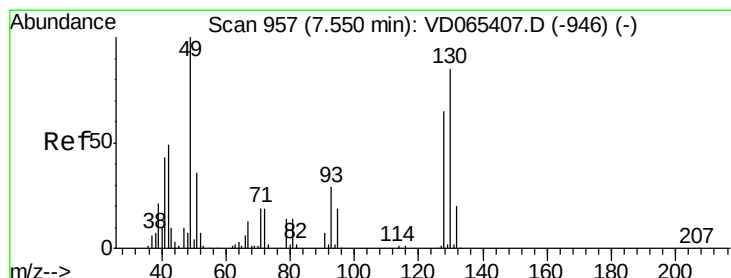
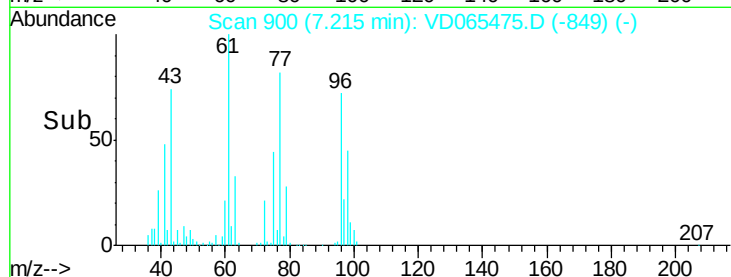
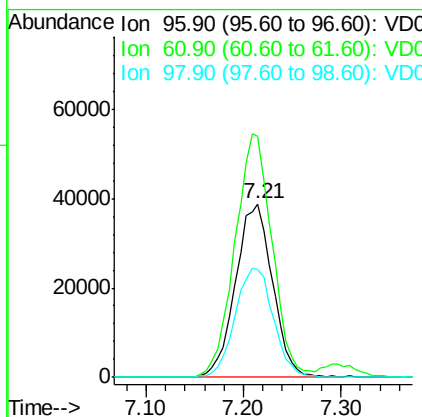
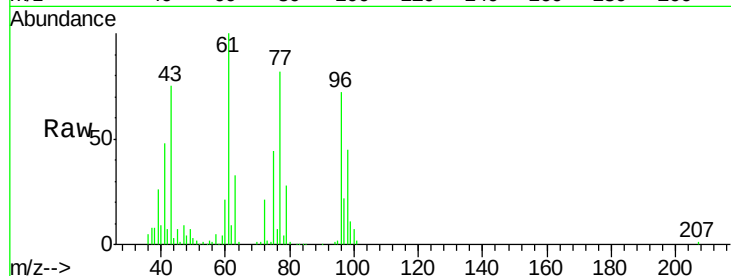
ClientSampleId :

VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.8	0.0	280.4	
98	65.2	0.0	132.6	

Manual Integrations
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3/13/2020 9:49:35 AM



#28

Bromochloromethane

Concen: 19.913 ug/l

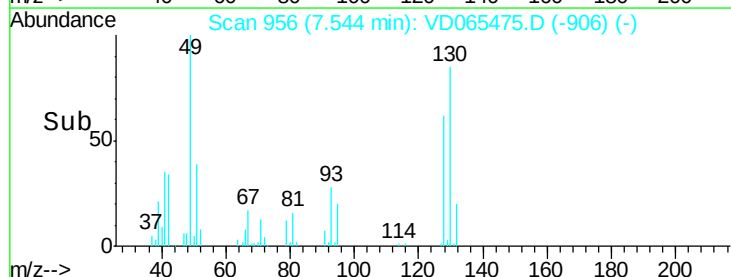
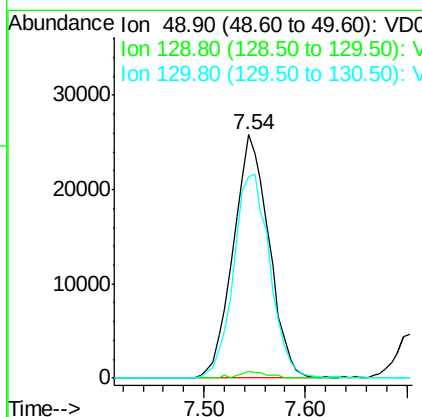
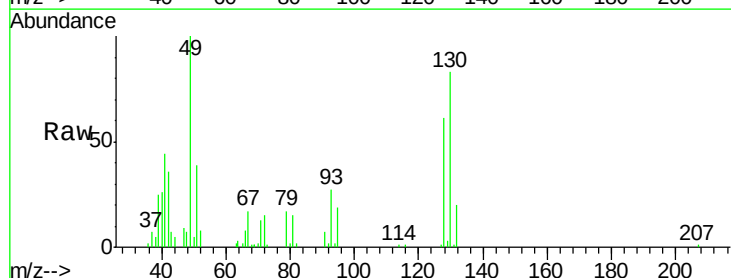
RT: 7.54 min Scan# 956

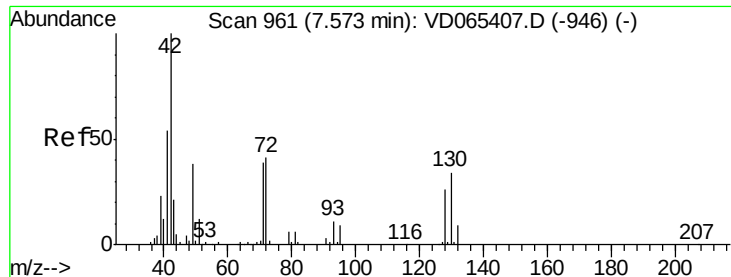
Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	85.5	66.6	100.0	





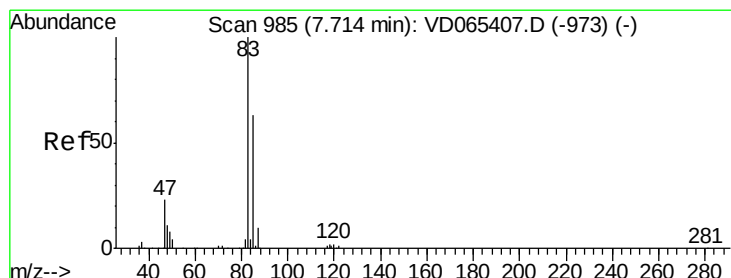
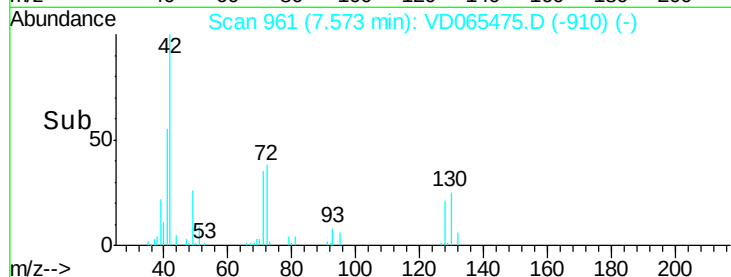
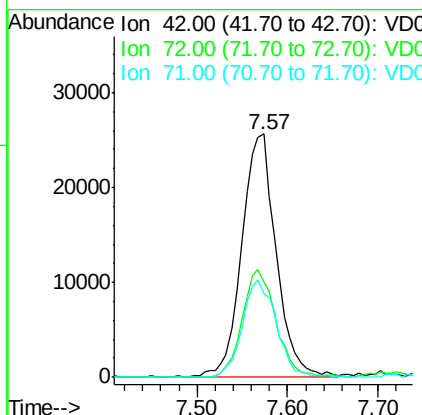
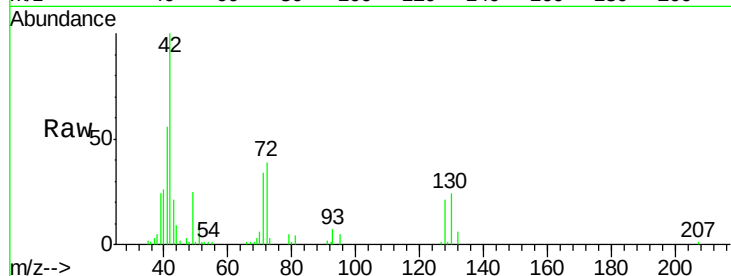
#29
Tetrahydrofuran
Concen: 96.552 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.0	49.6
71	39.6	32.0	48.0

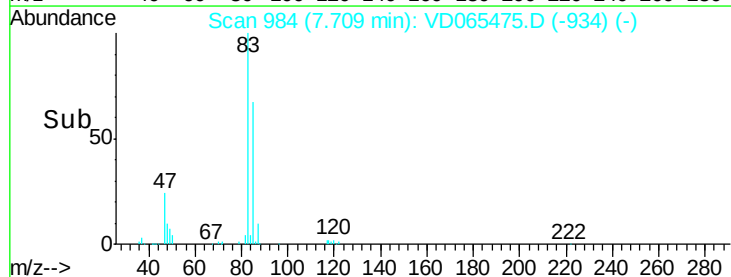
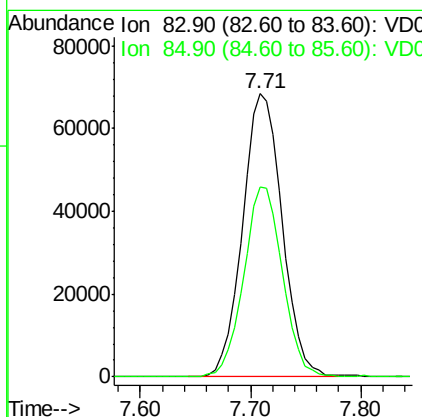
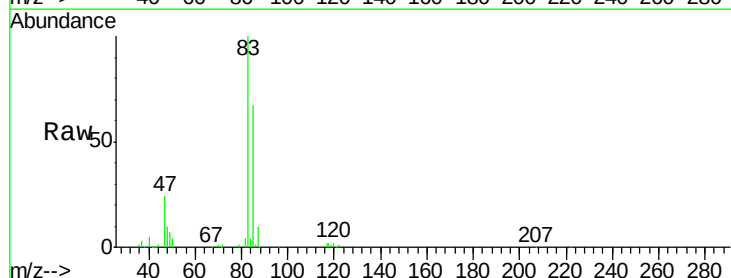
Manual Integrations
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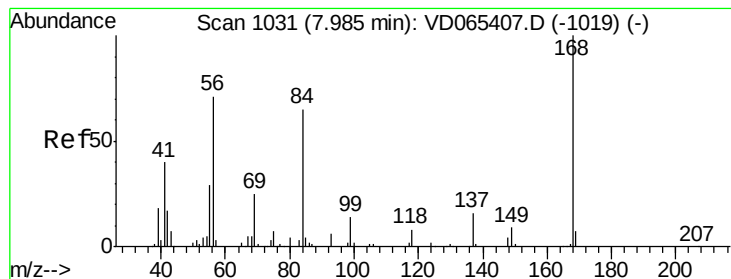
MMDadoda
3/13/2020 9:49:35 AM



#30
Chloroform
Concen: 21.709 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.3	75.5





#31

Cyclohexane

Concen: 20.501 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

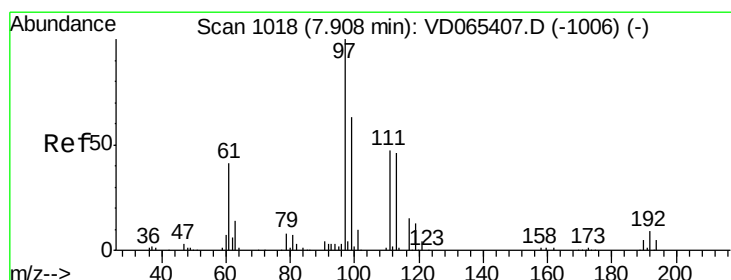
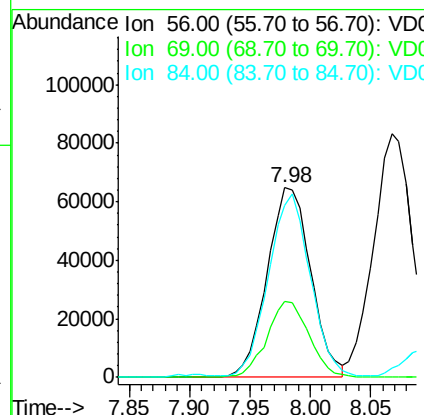
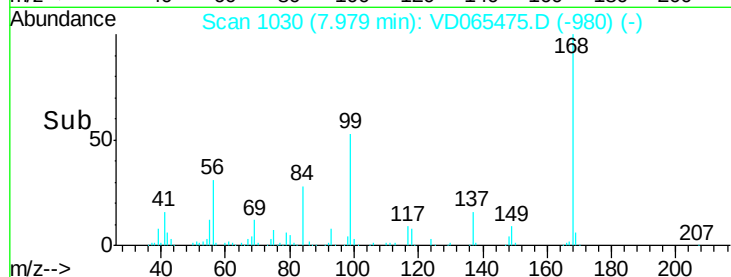
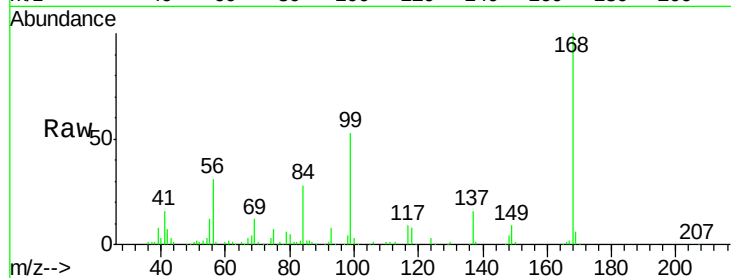
ClientSampleId :

VD0311SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	28.3	42.5
84	88.9	73.1	109.7

Manual Integrations
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3/13/2020 9:49:35 AM



#32

1,1,1-Trichloroethane

Concen: 21.511 ug/l

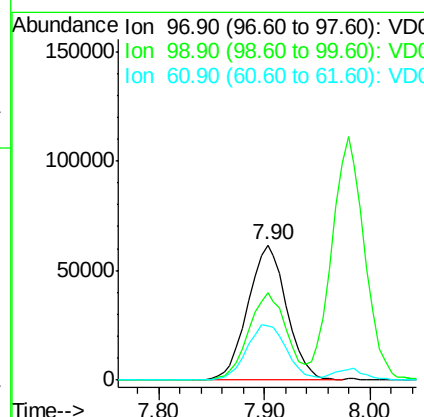
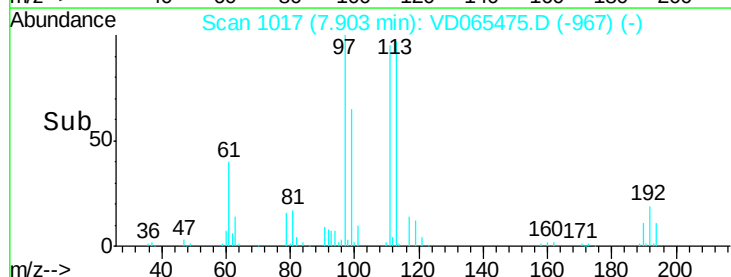
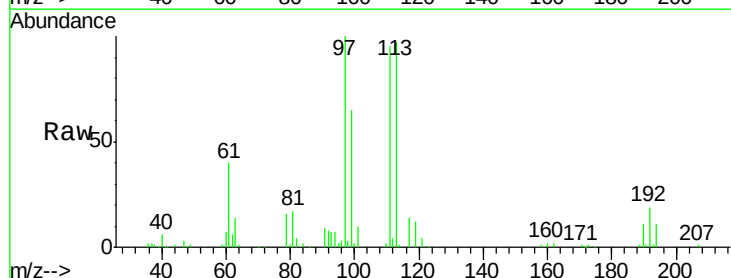
RT: 7.90 min Scan# 1017

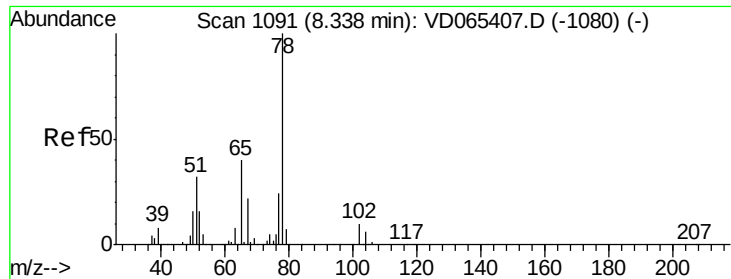
Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.9	76.3
61	42.1	33.2	49.8





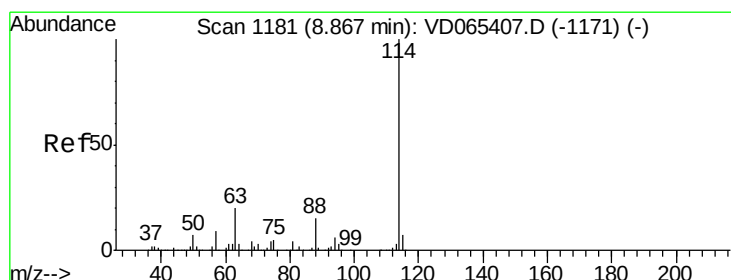
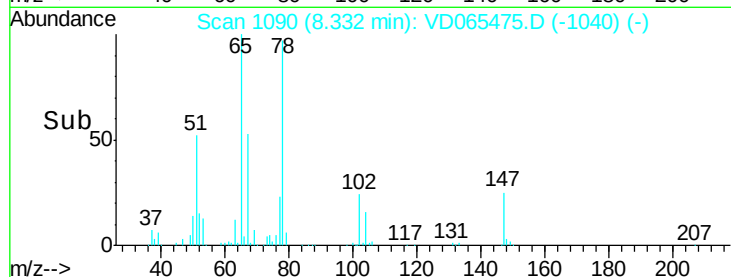
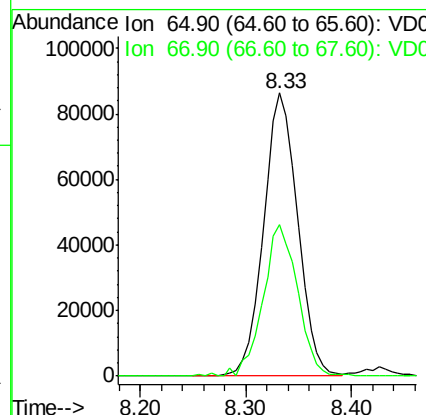
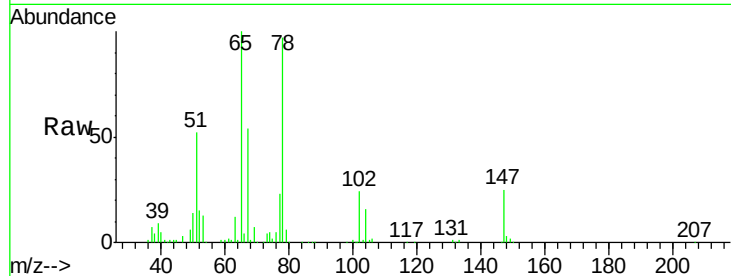
#33
 1,2-Dichloroethane-d4
 Concen: 48.457 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193303		
67	54.7	0.0	108.0	

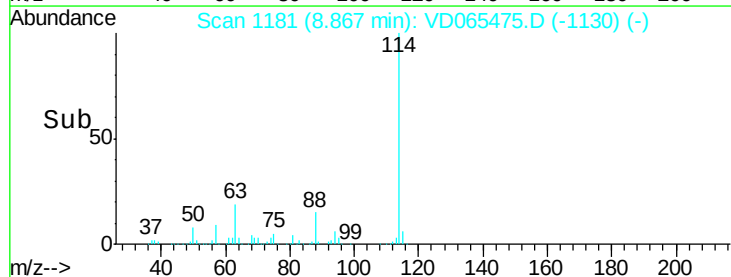
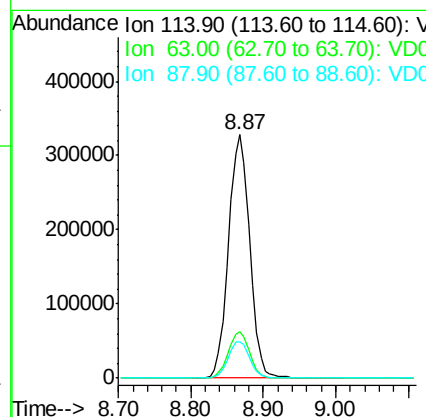
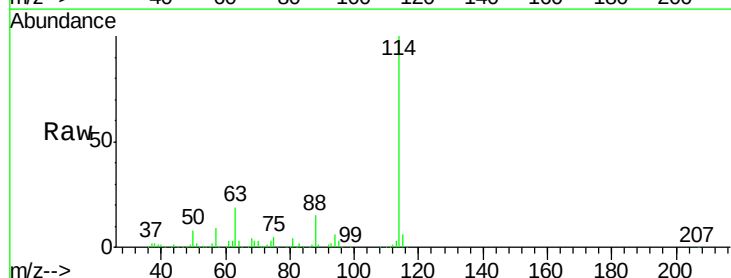
Manual Integrations
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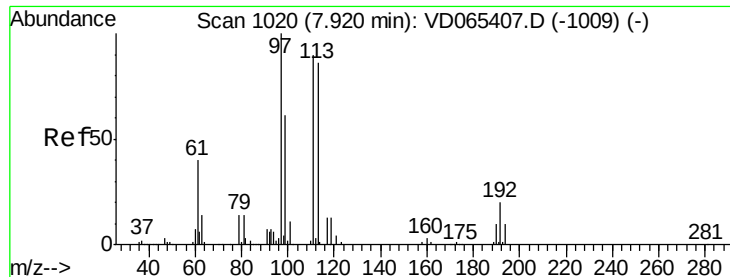
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 3/13/2020 9:49:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	667498		
63	19.3	0.0	39.6	
88	15.0	0.0	30.4	





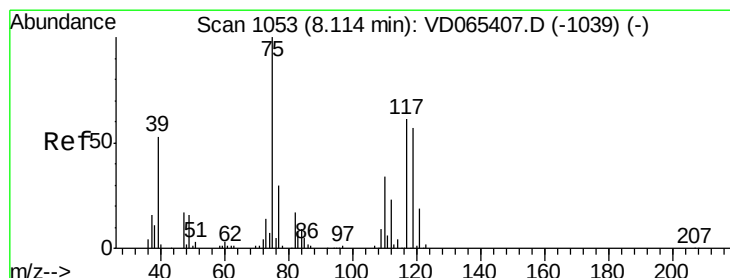
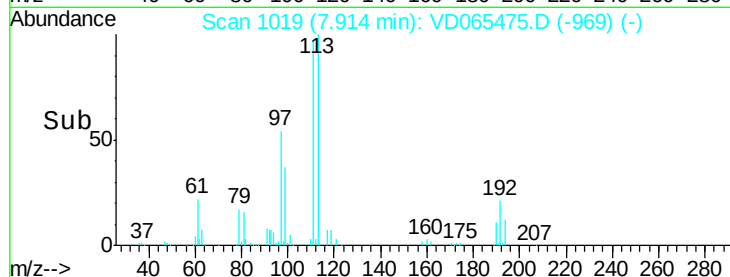
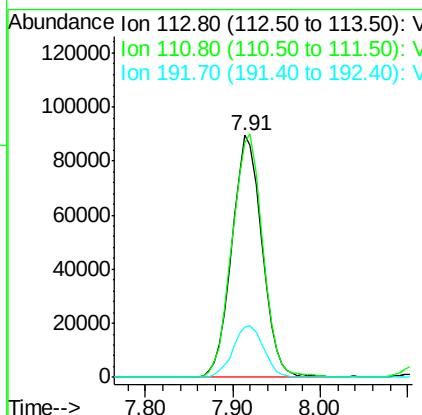
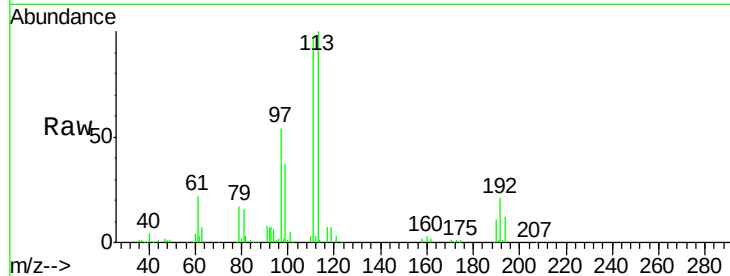
#35
 Dibromofluoromethane
 Concen: 50.790 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209653		
111	102.3		82.1	123.1
192	21.7		17.2	25.8

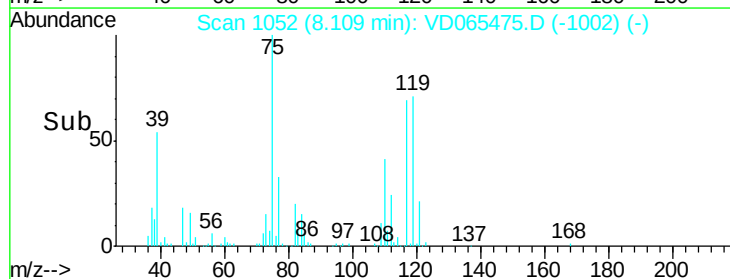
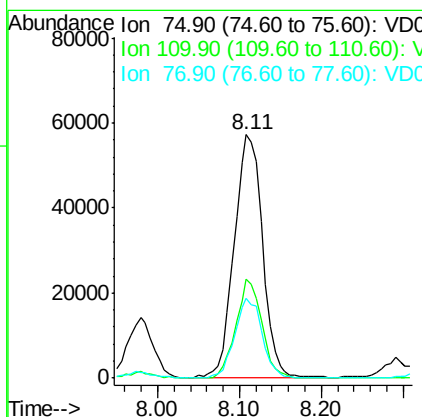
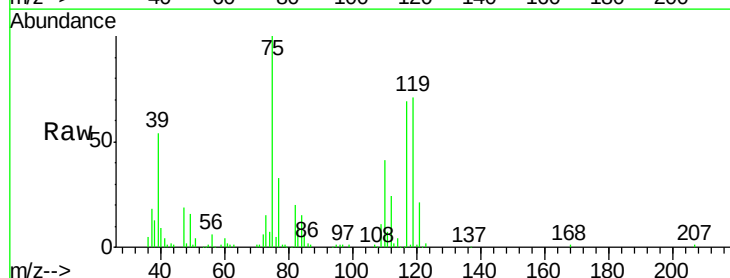
Manual Integrations
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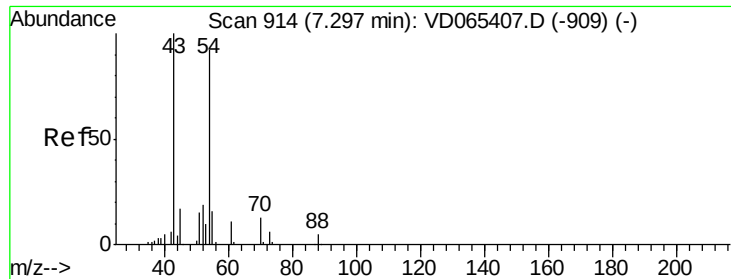
MMDadoda
 3/13/2020 9:49:35 AM



#36
 1,1-Dichloropropene
 Concen: 21.692 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138796		
110	37.1		18.1	54.1
77	31.7		25.2	37.8





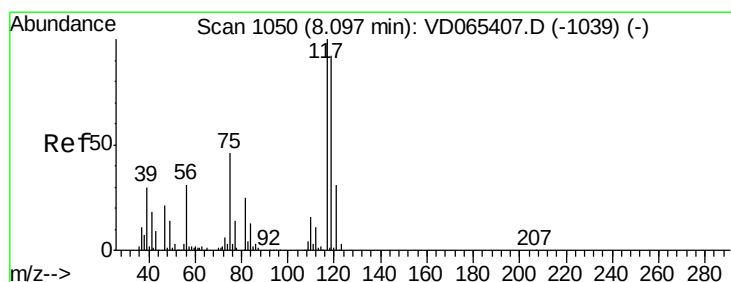
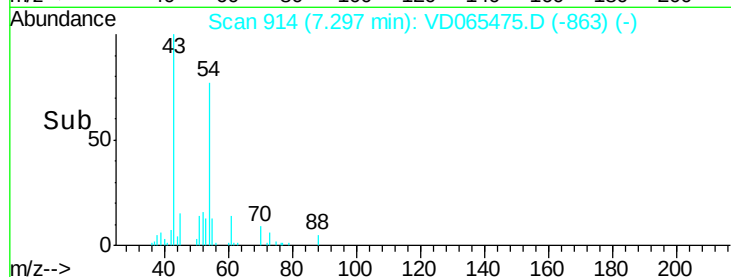
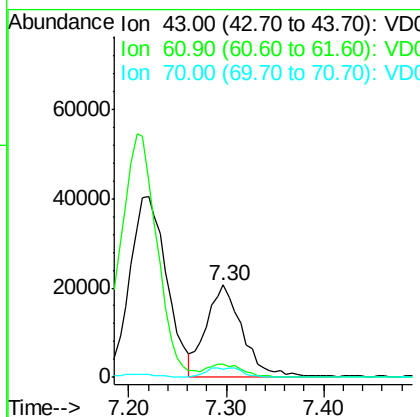
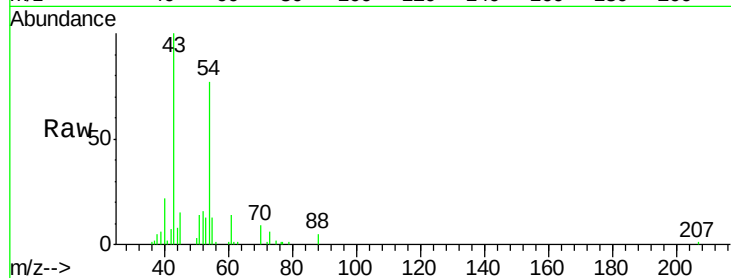
#37
Ethyl Acetate
Concen: 21.301 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	5.6	9.0	13.4

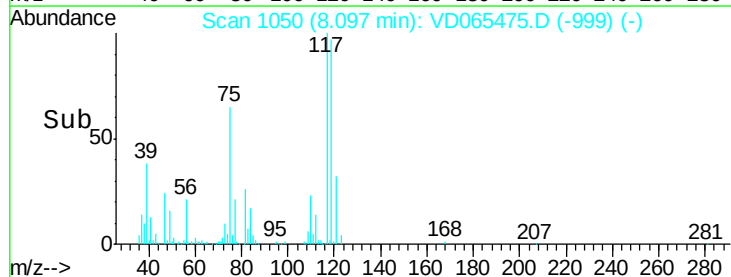
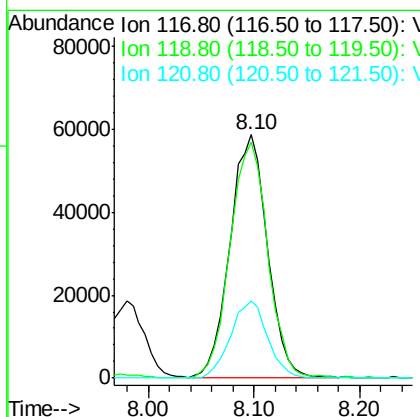
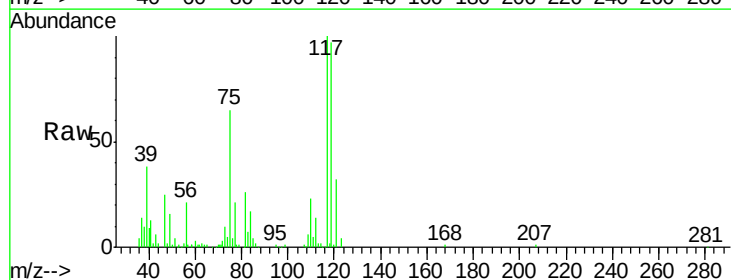
Manual Integrations
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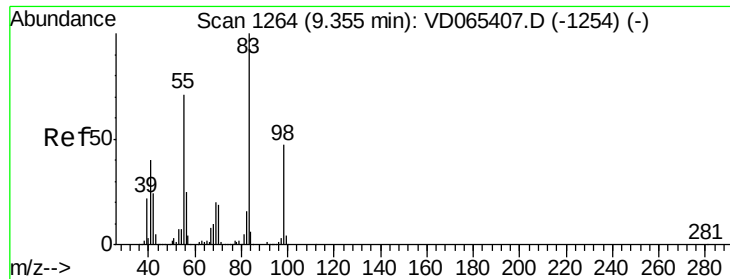
MMDadoda
3/13/2020 9:49:35 AM



#38
Carbon Tetrachloride
Concen: 21.819 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	73.3	109.9
121	31.9	25.0	37.4





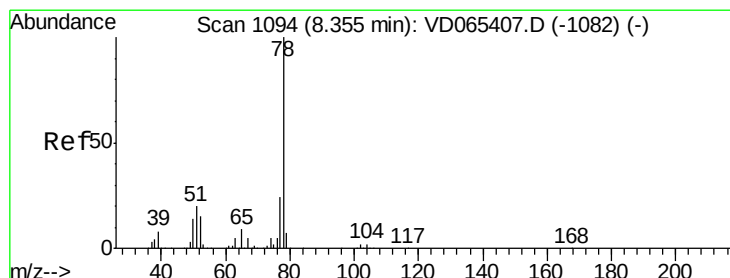
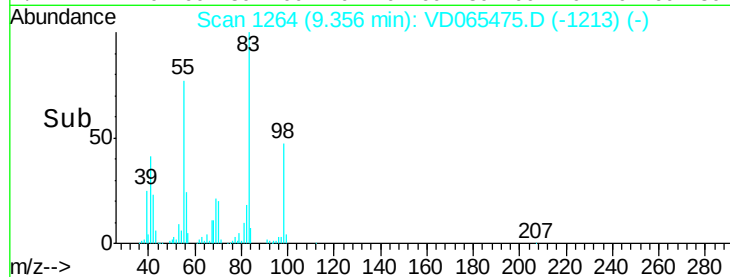
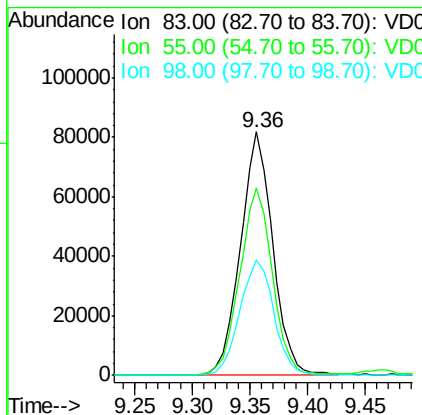
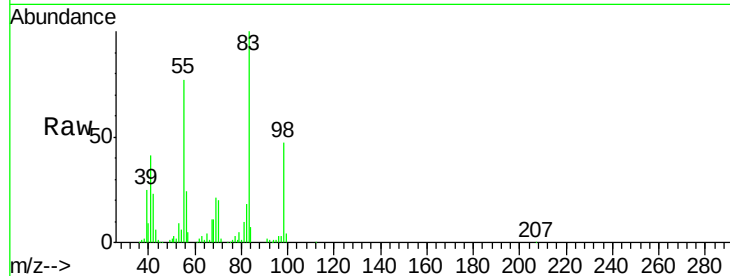
#39
Methylvlcyclohexane
Concen: 20.637 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	83	Resp	159478
Ion Ratio	Lower	Upper	
83	100		
55	77.2	57.1	85.7
98	47.5	37.8	56.8

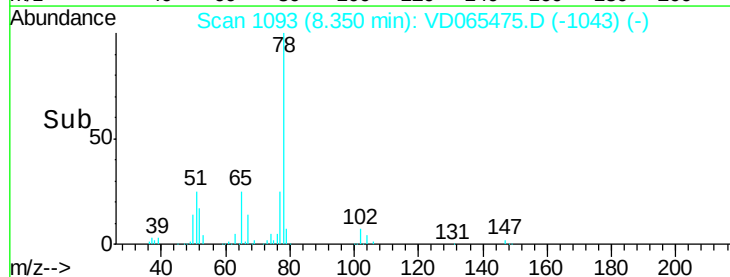
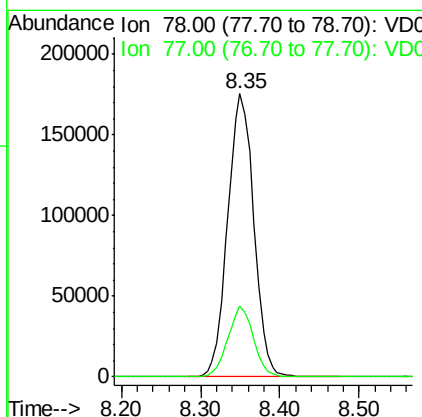
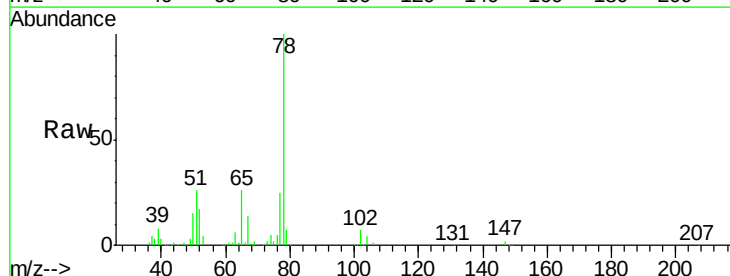
Manual Integrations
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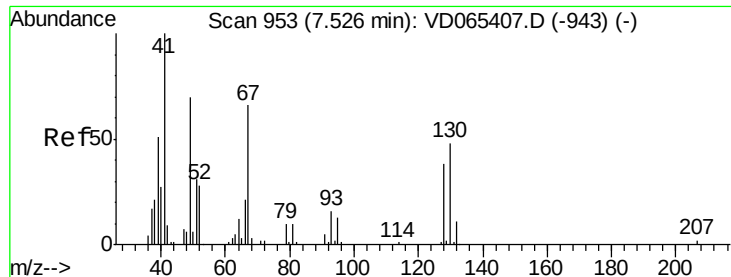
MMDadoda
3/13/2020 9:49:35 AM



#40
Benzene
Concen: 22.407 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	78	Resp	400851
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.4	29.0





#41

Methacrylonitrile

Concen: 19.398 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 41 Resp: 25371

Ion Ratio Lower Upper

41 100

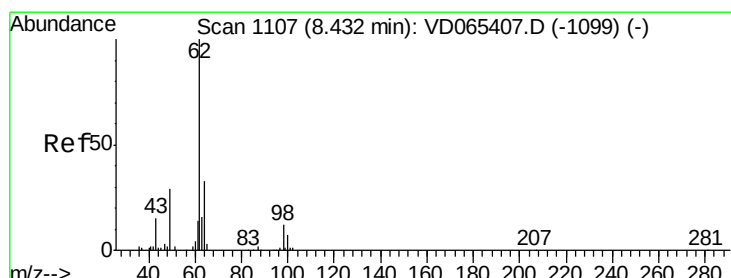
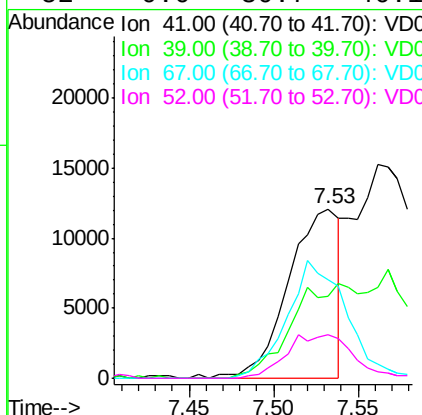
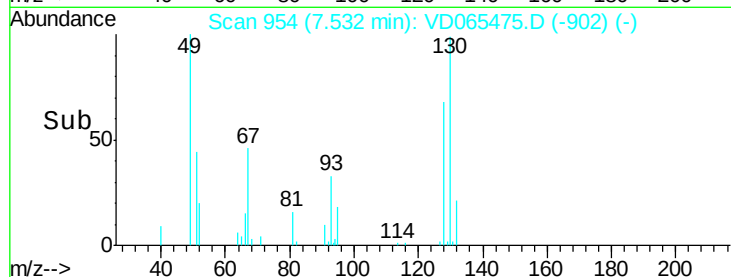
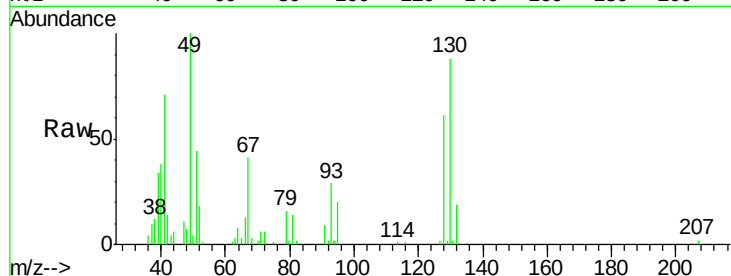
39 70.9 55.0 82.6

67 0.0 70.3 105.5#

52 0.0 30.7 46.1#

Manual Integrations
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MMDadoda
3/13/2020 9:49:35 AM



#42

1,2-Dichloroethane

Concen: 22.031 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065475.D

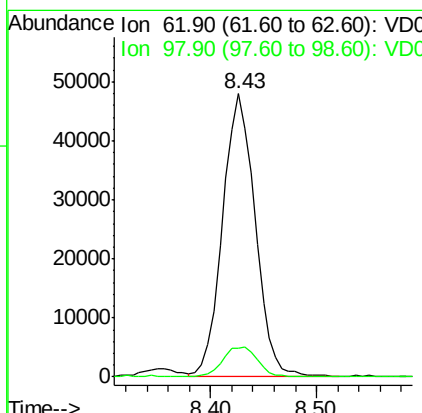
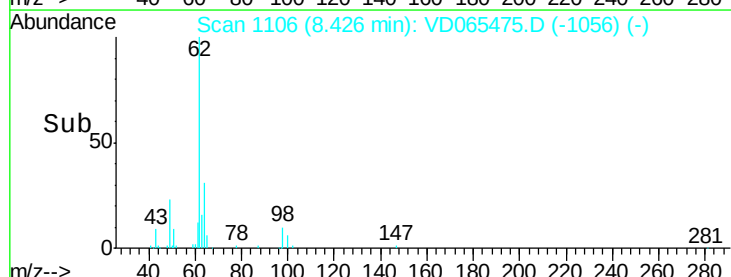
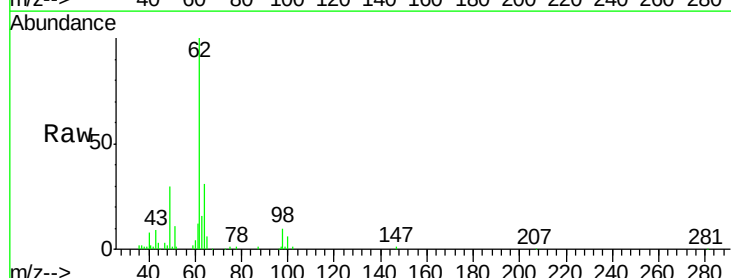
Acq: 11 Mar 2020 12:09

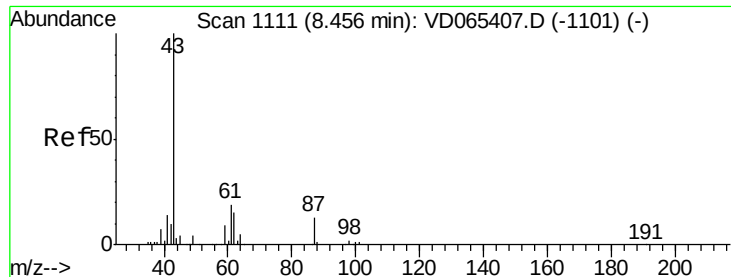
Tgt Ion: 62 Resp: 102915

Ion Ratio Lower Upper

62 100

98 11.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 20.150 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

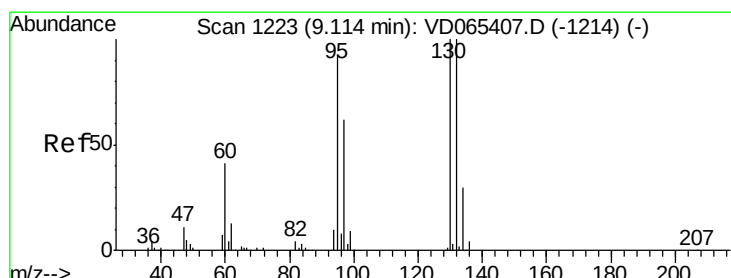
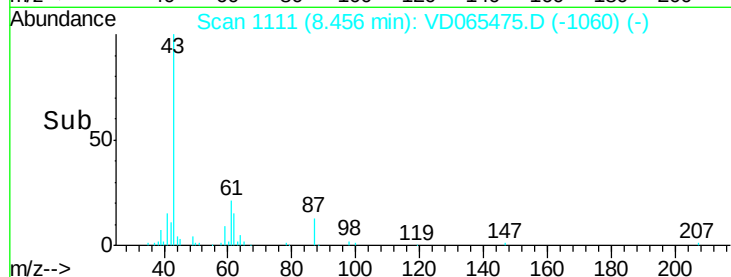
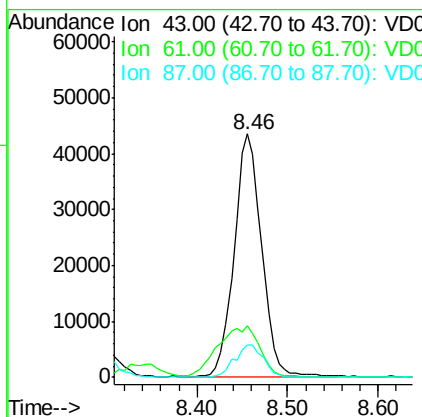
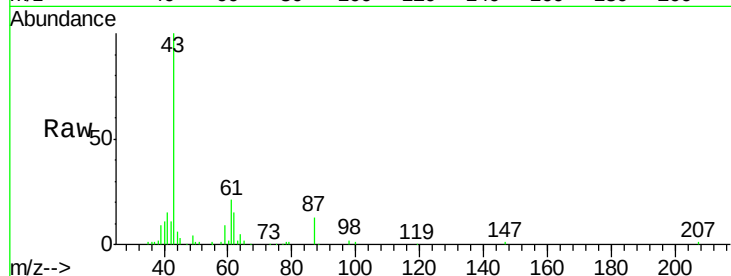
ClientSampleId :

VD0311SBS01

Tot Ion:	43	Resp:	92012
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.0	37.6
87	13.8	11.0	16.4

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 21.616 ug/l

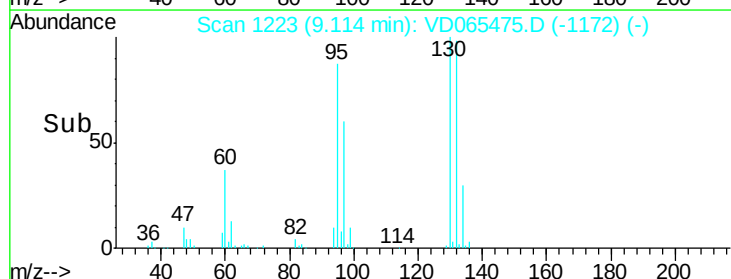
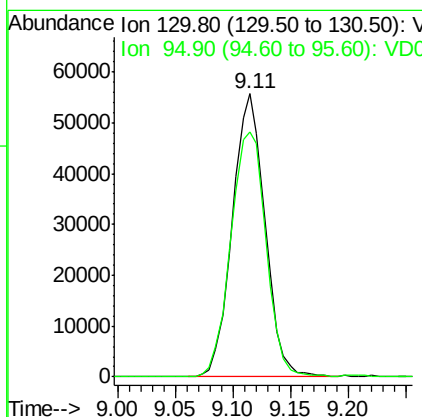
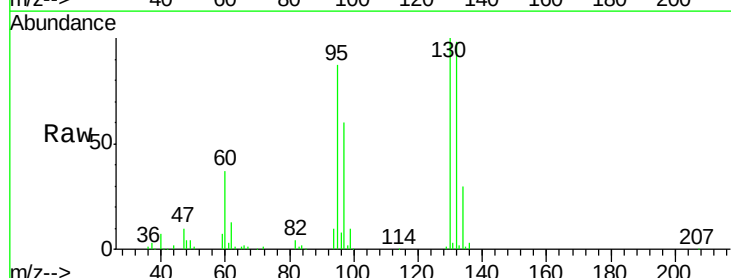
RT: 9.11 min Scan# 1223

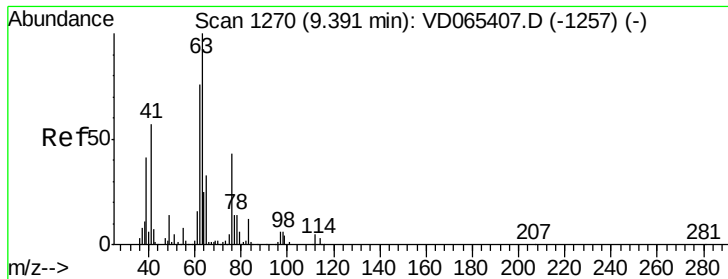
Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	130	Resp:	109206
Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	186.0





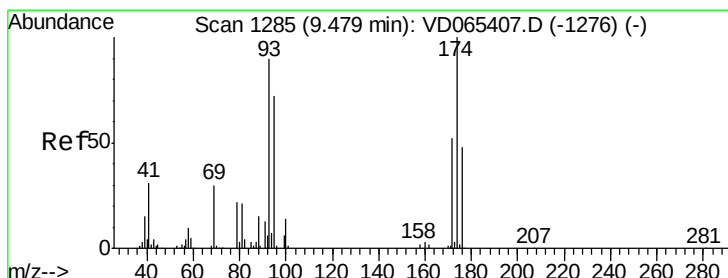
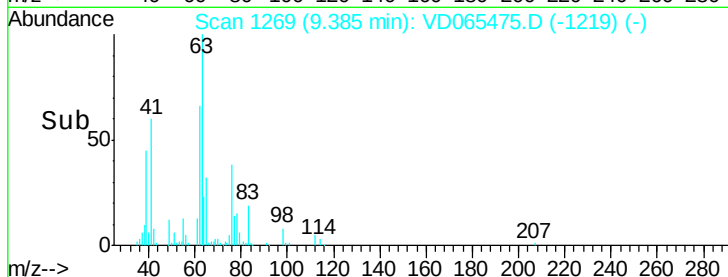
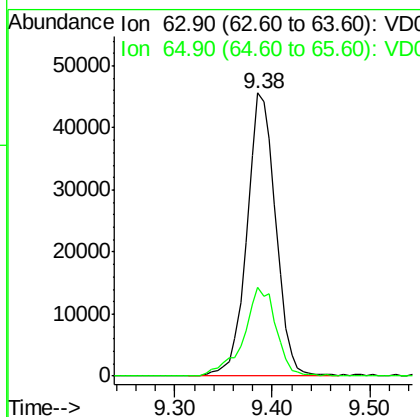
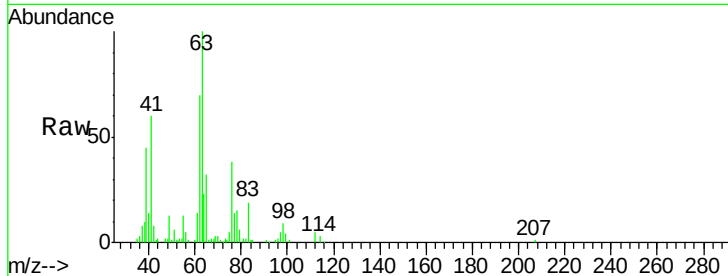
#45
 1,2-Dichloropropane
 Concen: 21.871 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	26.4	39.6

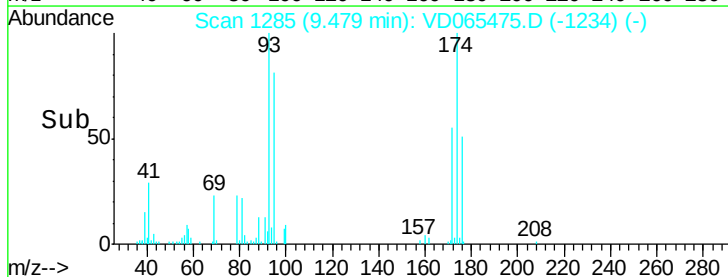
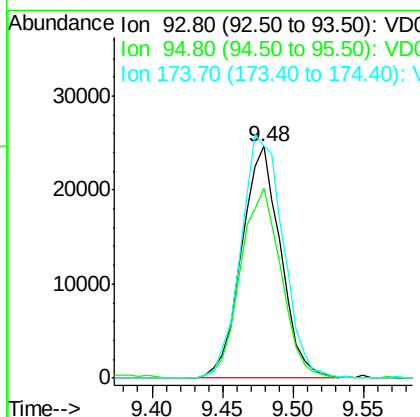
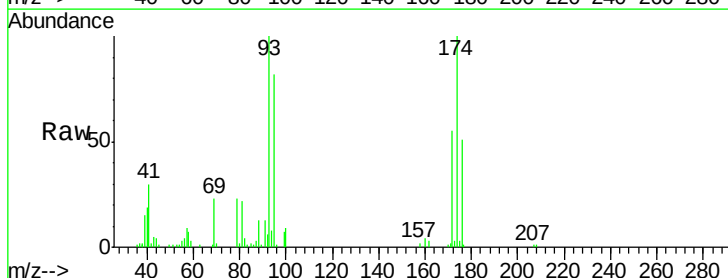
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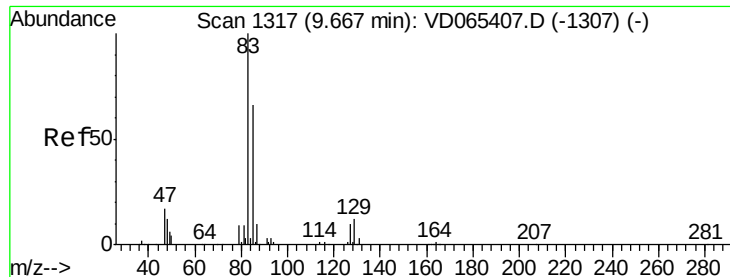
MMDadoda
 3/13/2020 9:49:35 AM



#46
 Dibromomethane
 Concen: 21.215 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	65.0	97.6
174	114.0	88.3	132.5





#47

Bromodichloromethane

Concen: 21.959 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

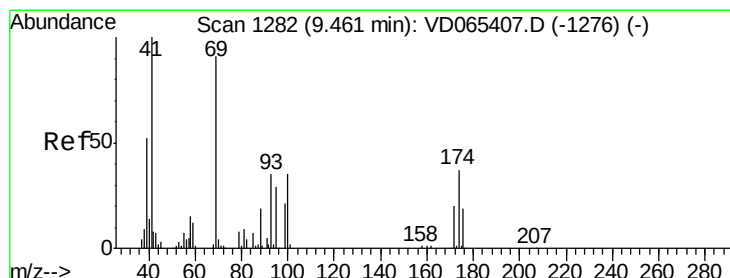
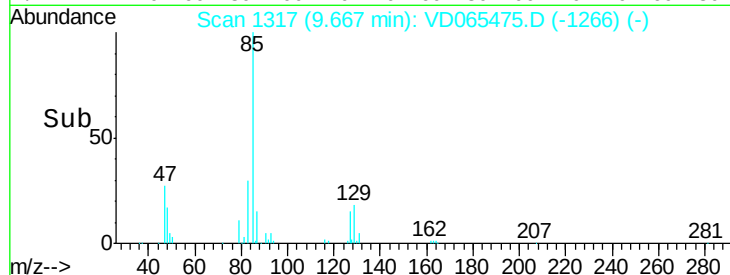
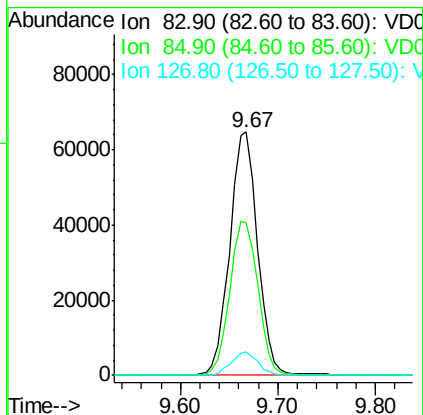
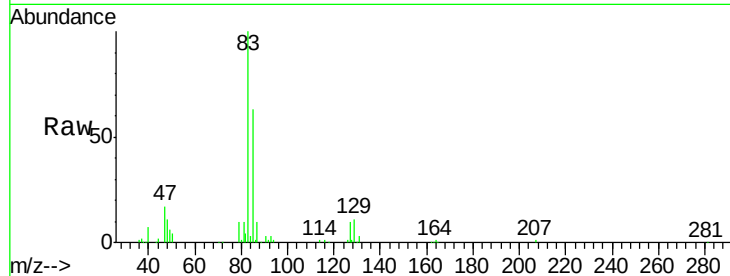
ClientSampleId :

VD0311SBS01

Tot Ion:	83	Resp:	128410
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
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MMDadoda
3/13/2020 9:49:35 AM



#48

Methyl methacrylate

Concen: 19.565 ug/l

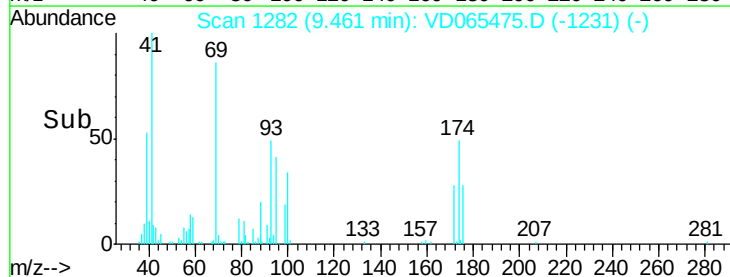
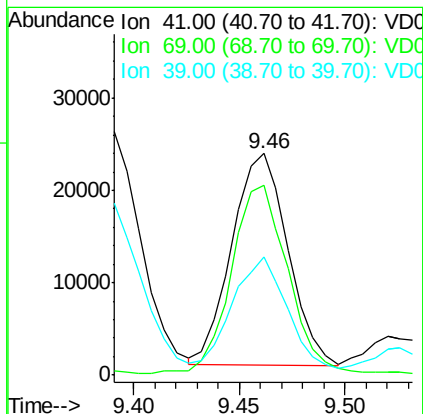
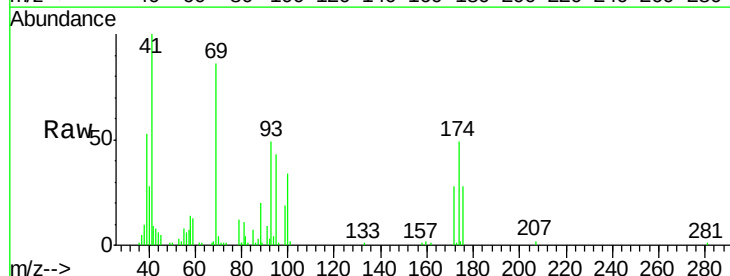
RT: 9.46 min Scan# 1282

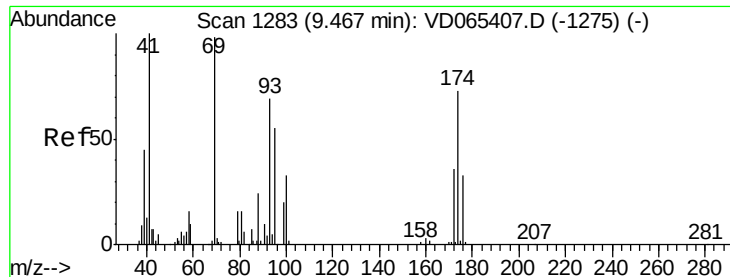
Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	41	Resp:	42026
Ion	Ratio	Lower	Upper
41	100		
69	93.6	72.5	108.7
39	57.8	41.6	62.4





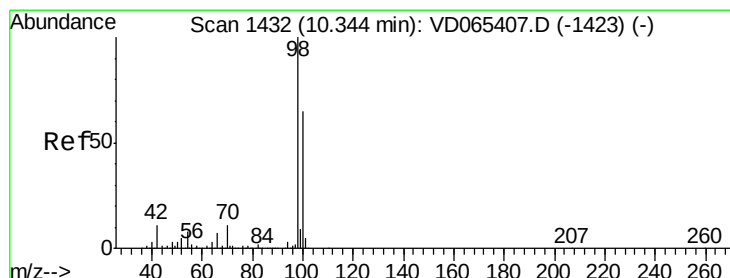
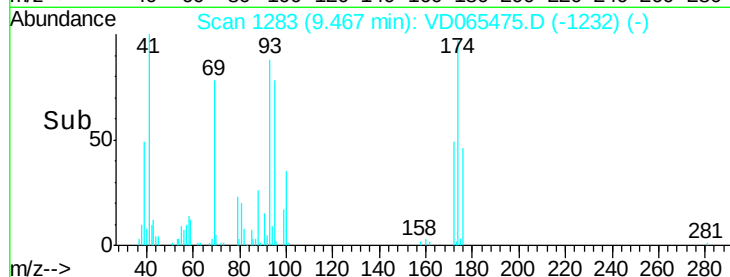
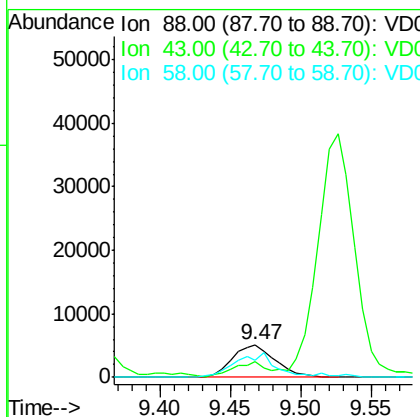
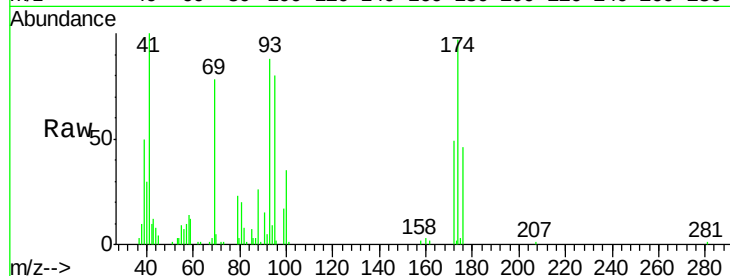
#49
1,4-Dioxane
Concen: 423.586 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.5	36.7
58	69.8	54.5	81.7

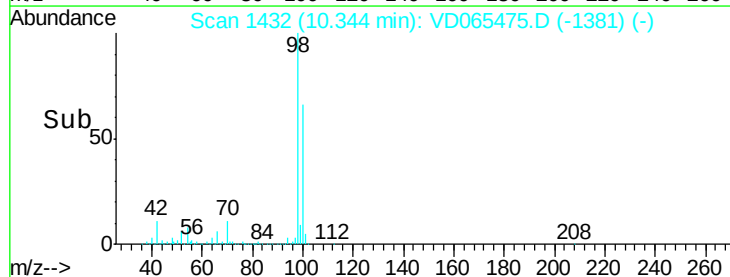
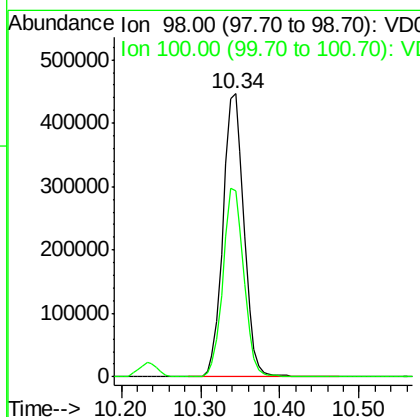
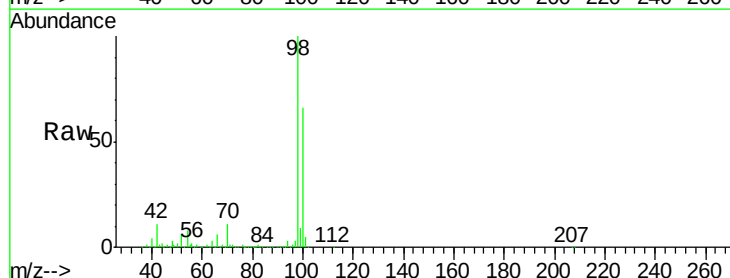
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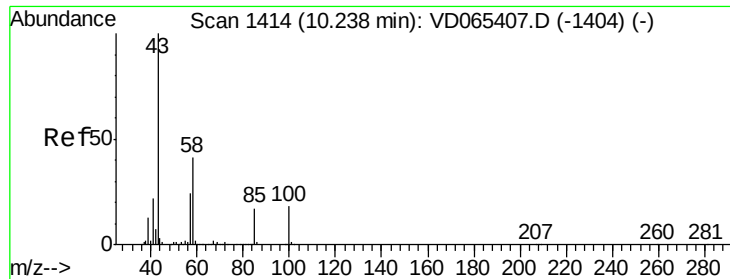
MMDadoda
3/13/2020 9:49:35 AM



#50
Toluene-d8
Concen: 51.703 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





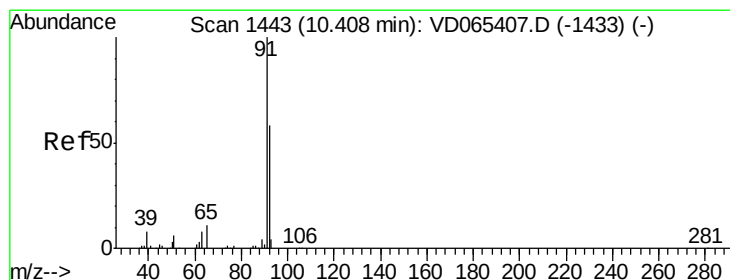
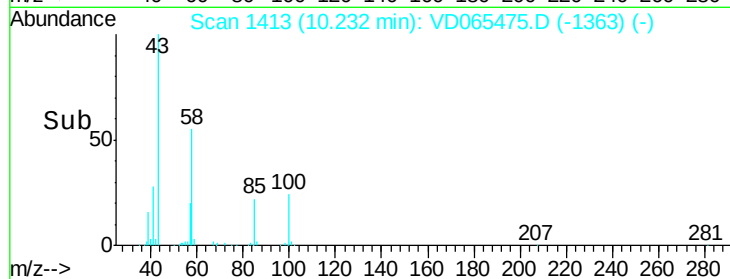
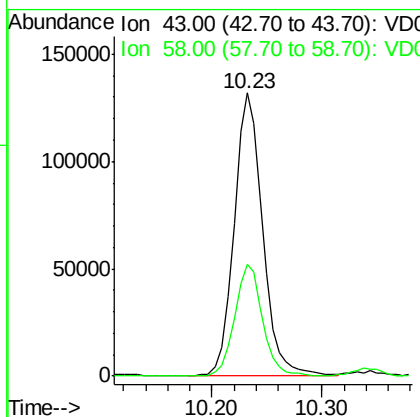
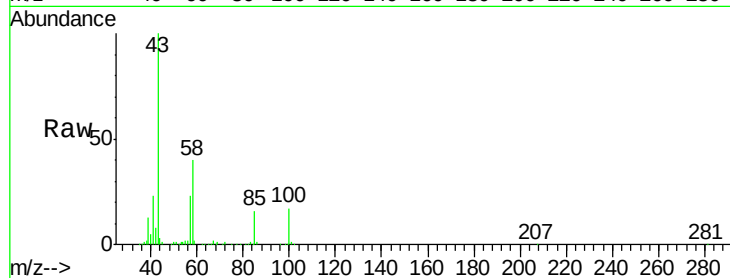
#51
4-Methyl-2-Pentanone
Concen: 104.170 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.8	47.6

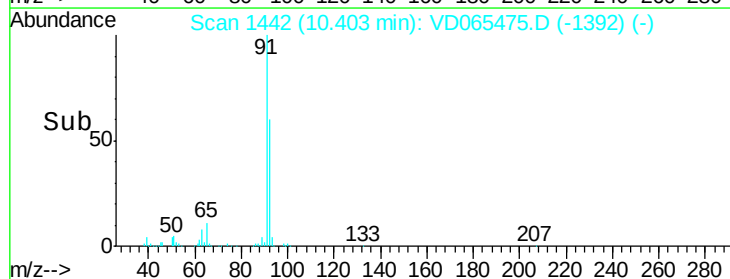
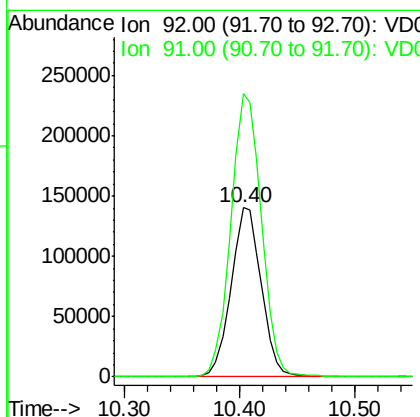
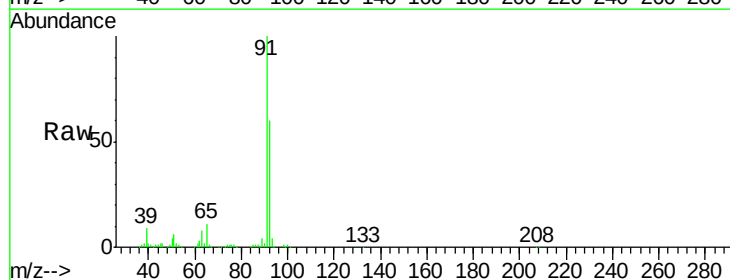
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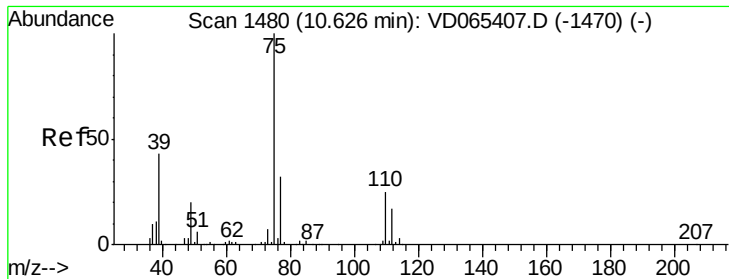
MMDadoda
3/13/2020 9:49:35 AM



#52
Toluene
Concen: 22.495 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.8	206.8





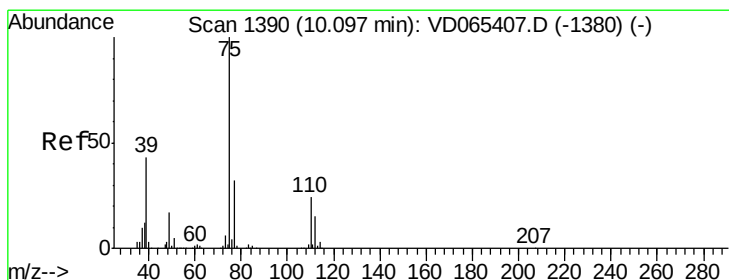
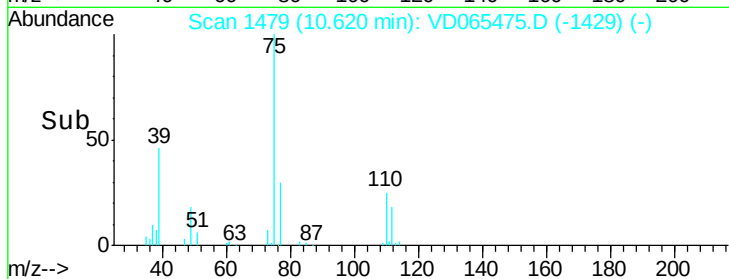
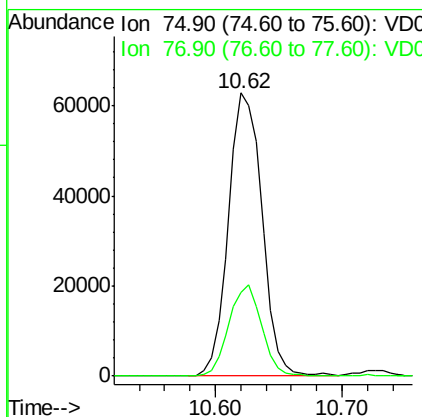
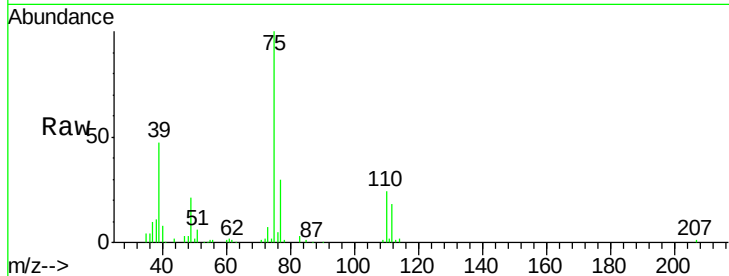
#53
 t-1,3-Dichloropropene
 Concen: 21.078 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion: 75 Resp: 115186
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.4 38.2

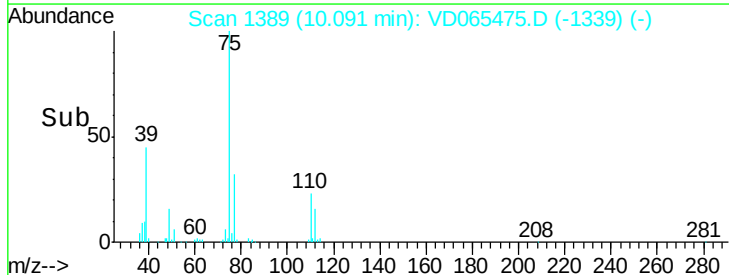
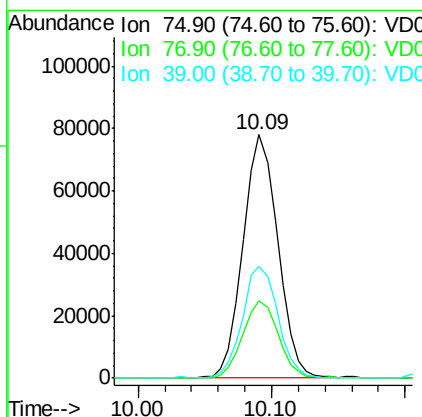
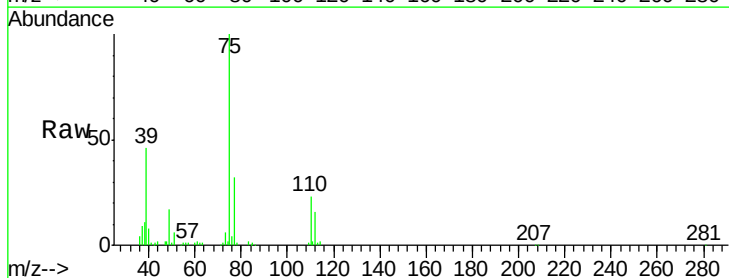
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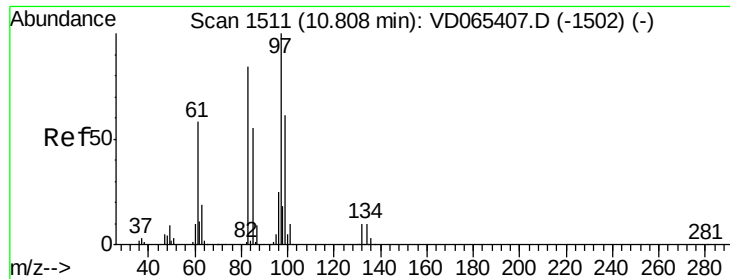
MMDadoda
 3/13/2020 9:49:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.327 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion: 75 Resp: 141071
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9
 39 45.3 34.6 52.0





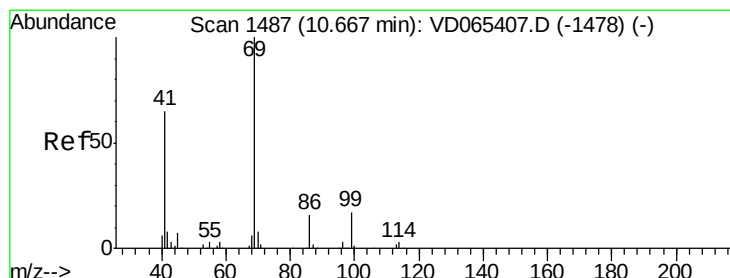
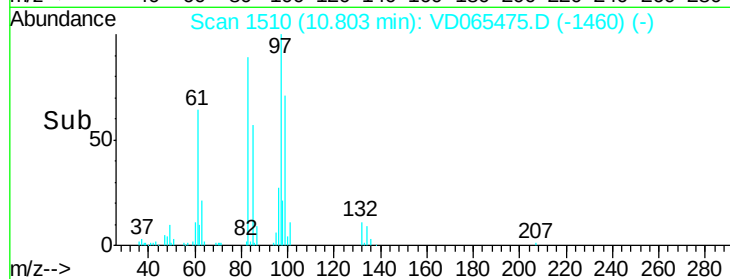
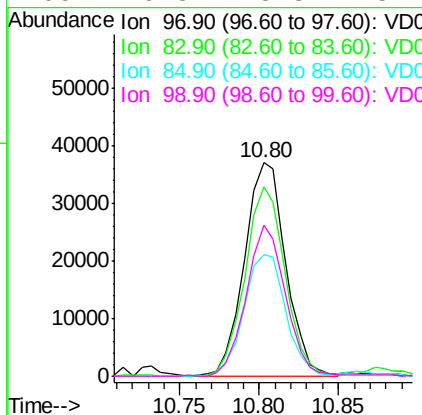
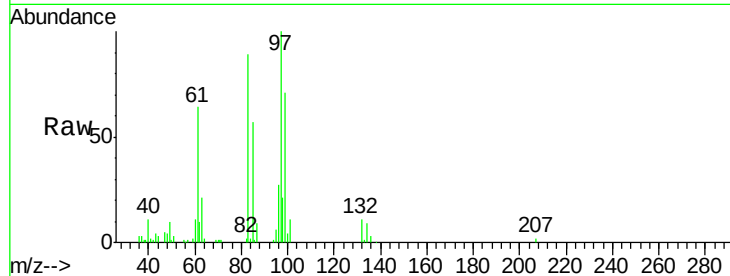
#55
 1,1,2-Trichloroethane
 Concen: 21.108 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.4	101.0
85	57.2	43.8	65.8
99	70.3	48.8	73.2

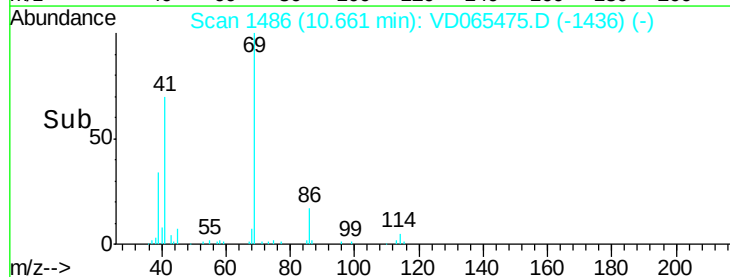
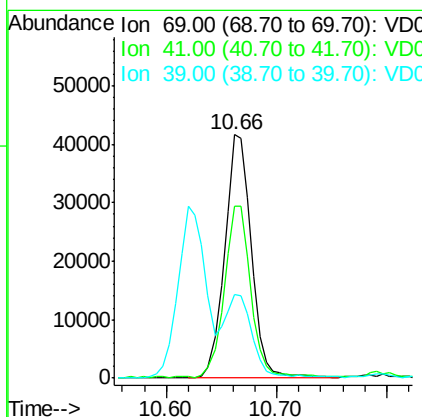
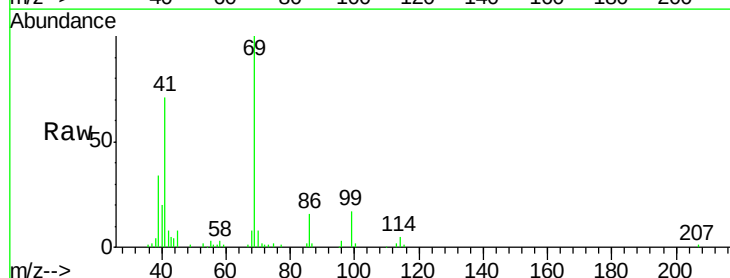
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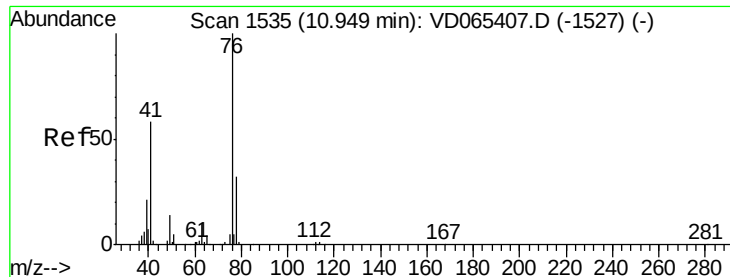
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#56
 Ethyl methacrylate
 Concen: 19.618 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	53.0	79.6
39	31.2	26.0	39.0





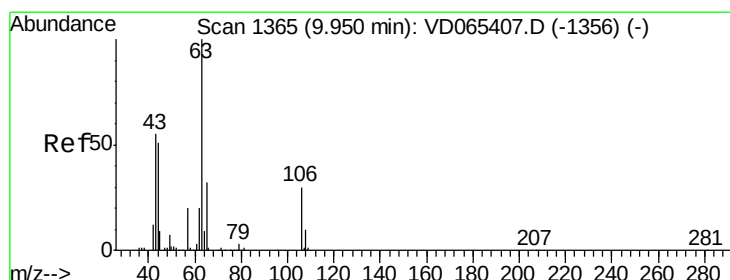
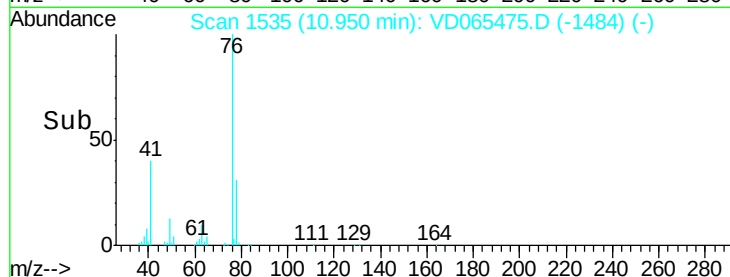
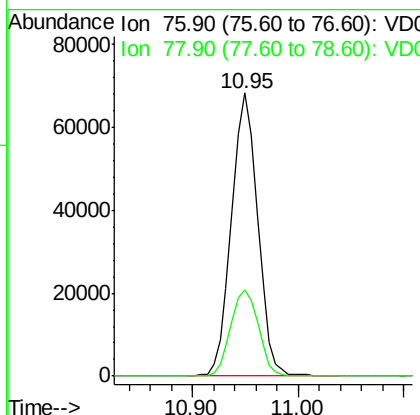
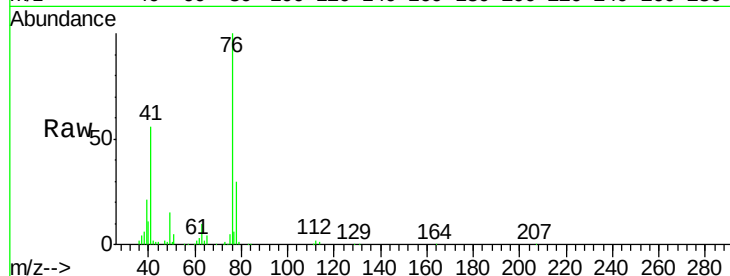
#57
 1,3-Dichloropropane
 Concen: 21.814 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

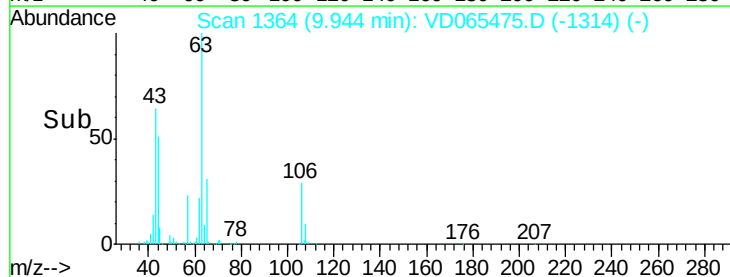
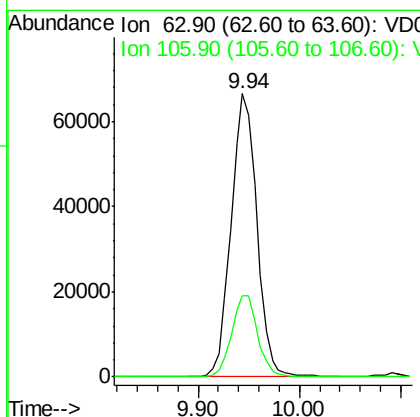
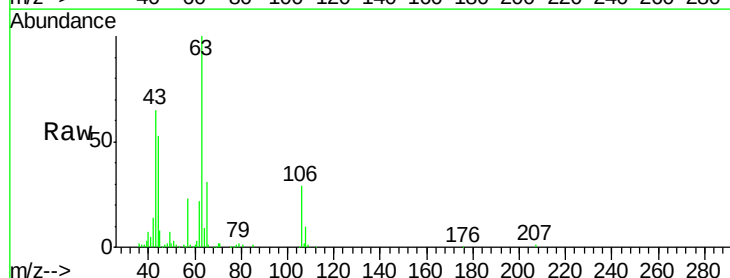
Manual Integrations
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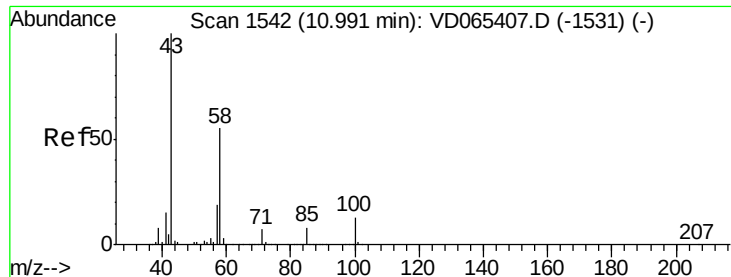
MMDadoda
 3/13/2020 9:49:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.986 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.3	34.9





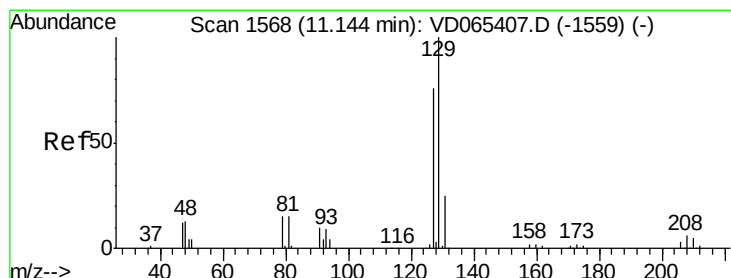
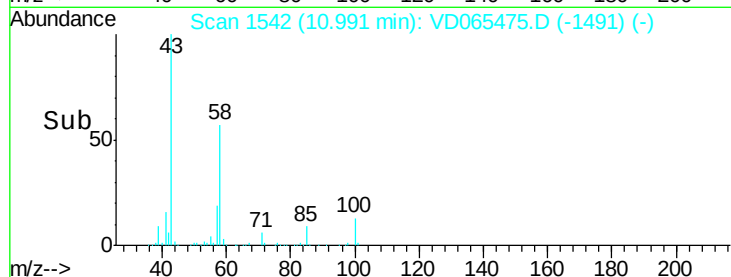
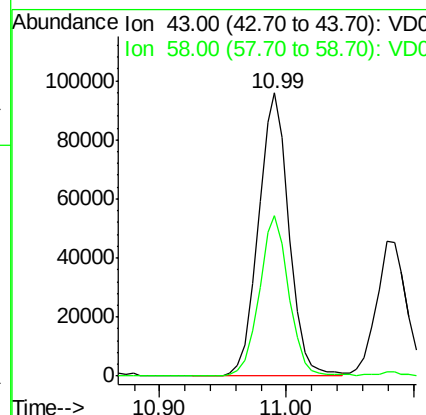
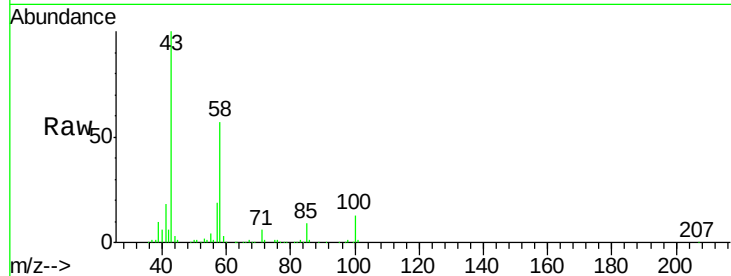
#59
2-Hexanone
Concen: 101.039 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion: 43 Resp: 160722
Ion Ratio Lower Upper
43 100
58 54.7 27.4 82.2

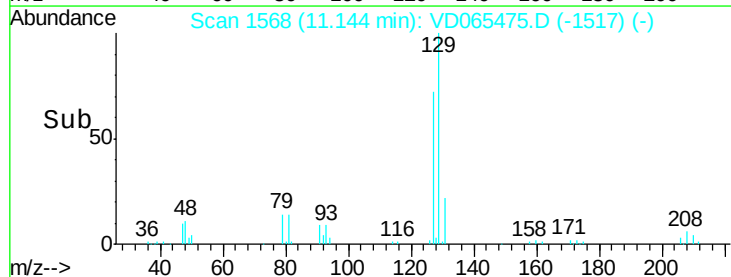
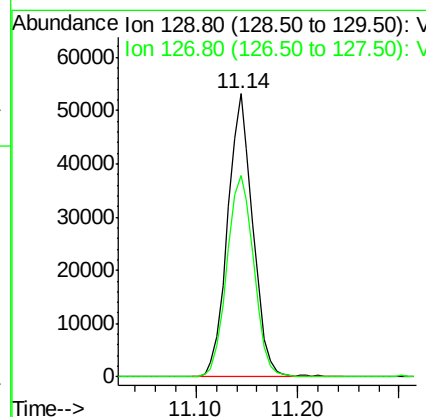
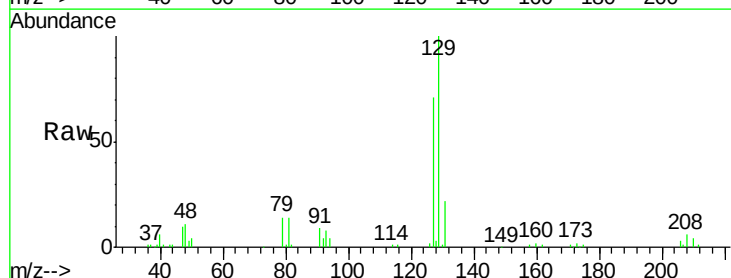
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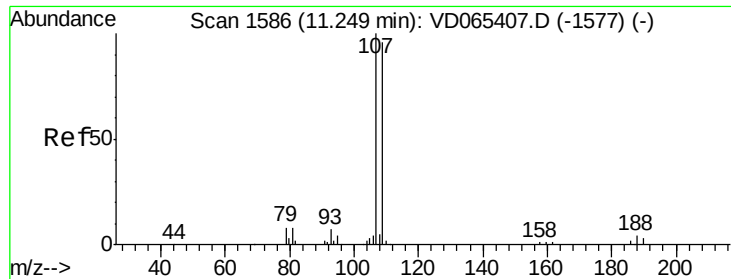
MMDadoda
3/13/2020 9:49:35 AM



#60
Dibromochloromethane
Concen: 22.415 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion:129 Resp: 91474
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.486 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 107 Resp: 65247

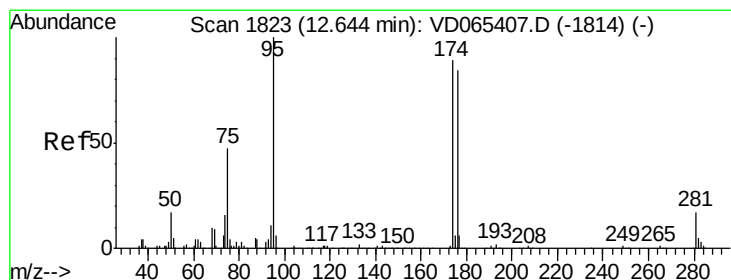
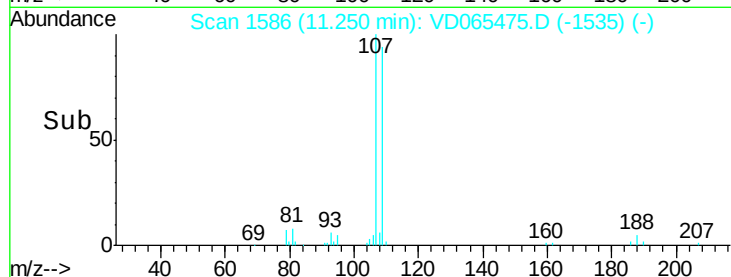
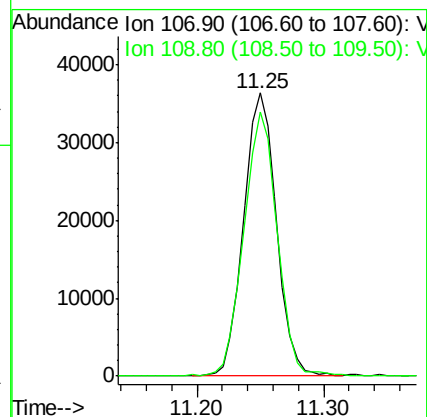
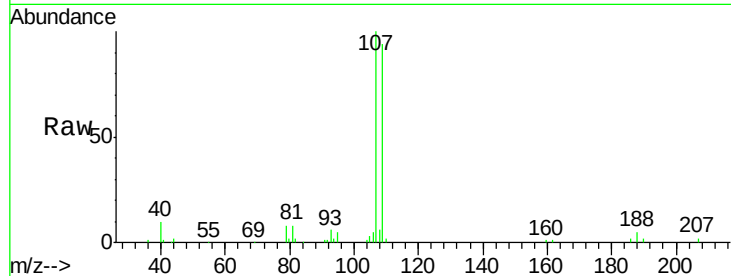
Ion Ratio Lower Upper

107 100

109 95.3 76.8 115.2

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#62

4-Bromofluorobenzene

Concen: 52.618 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

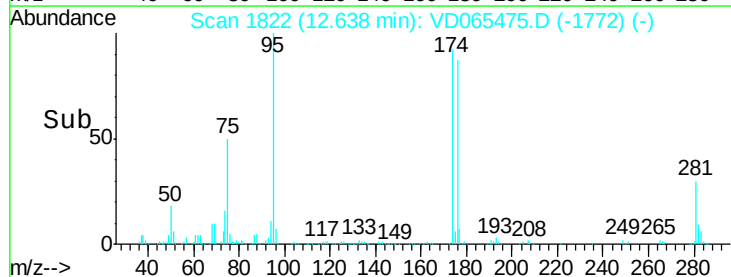
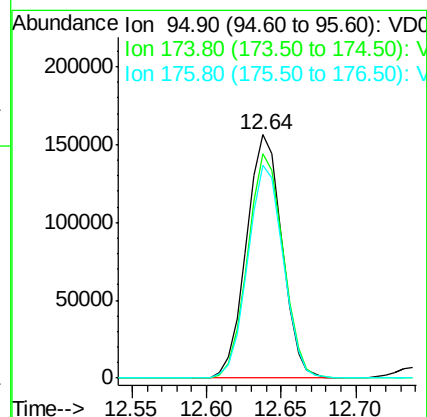
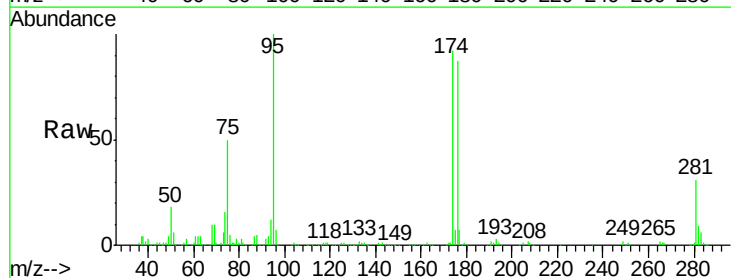
Tgt Ion: 95 Resp: 257233

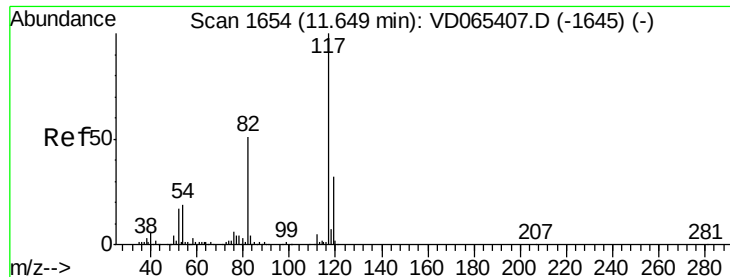
Ion Ratio Lower Upper

95 100

174 91.9 0.0 176.8

176 87.2 0.0 171.4





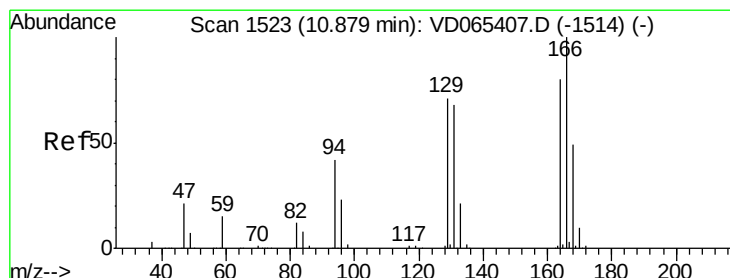
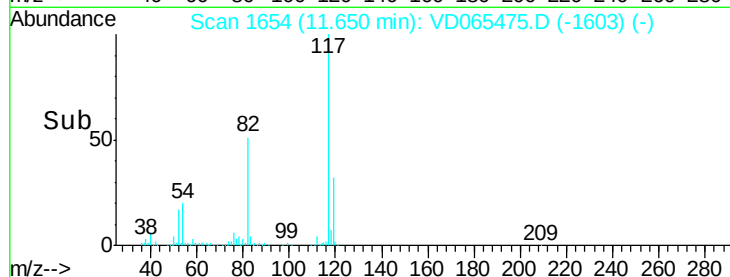
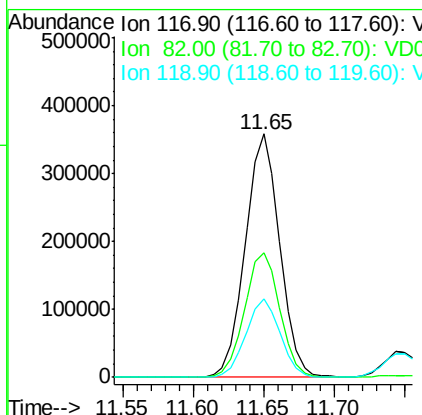
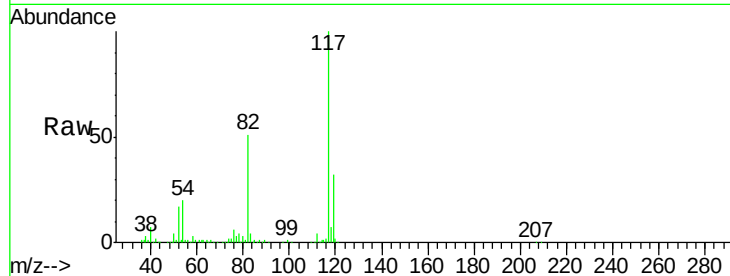
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	614186		
82	51.1		40.6	60.8
119	32.5		25.4	38.2

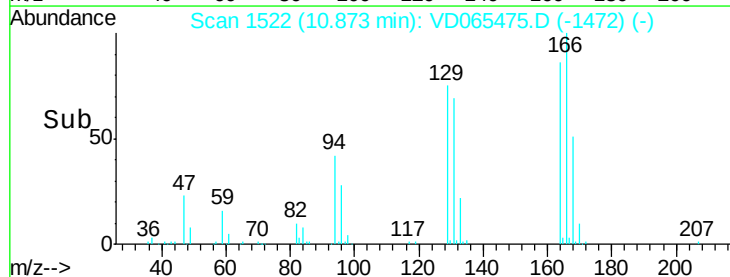
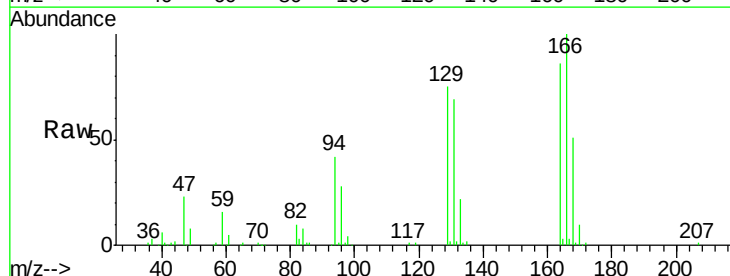
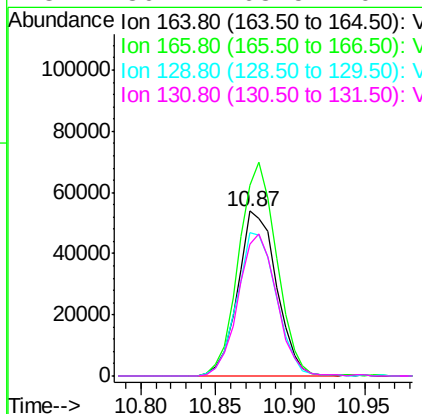
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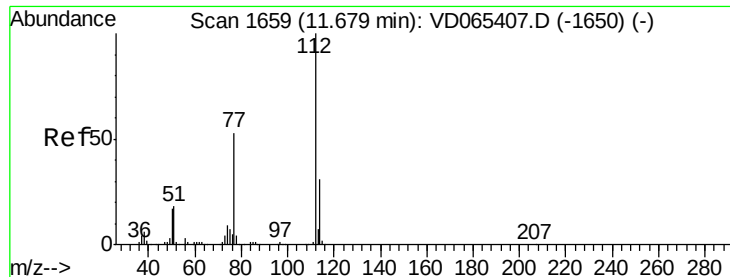
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#64
Tetrachloroethene
Concen: 22.051 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97045		
166	115.9		100.5	150.7
129	86.9		71.5	107.3
131	80.2		68.5	102.7





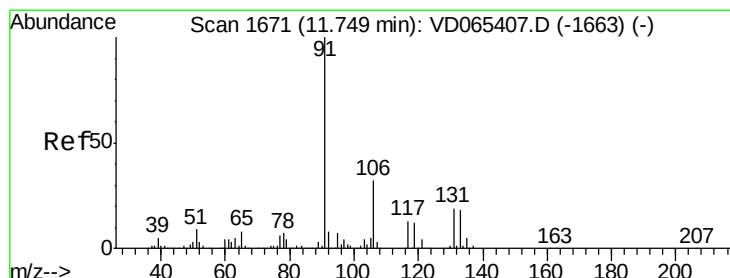
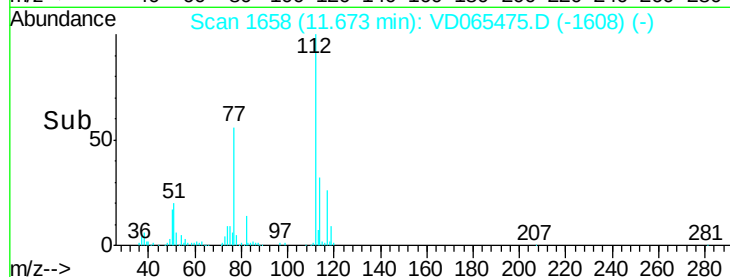
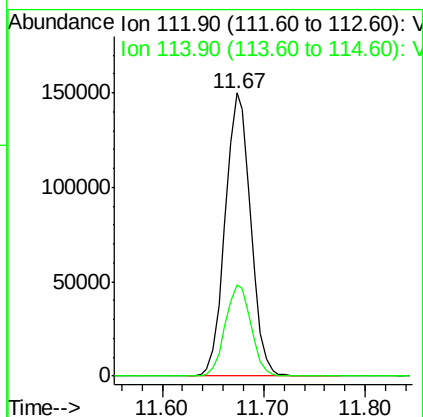
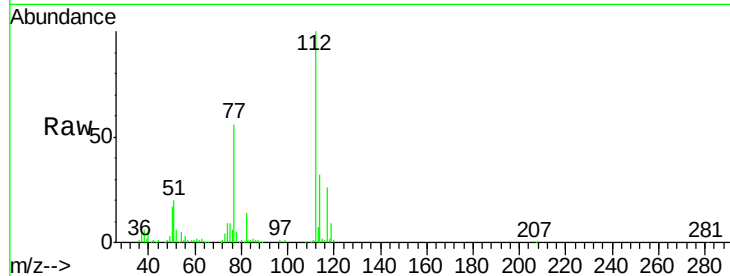
#65
Chlorobenzene
Concen: 21.492 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.4	36.6

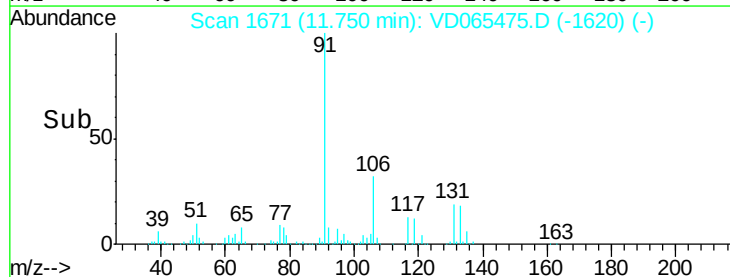
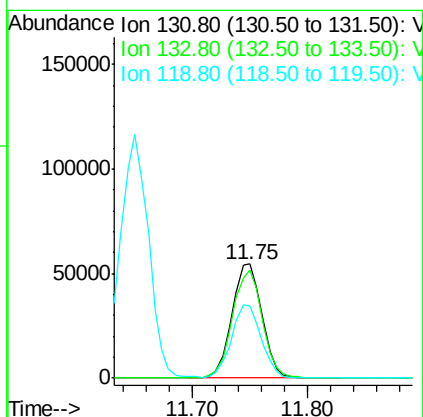
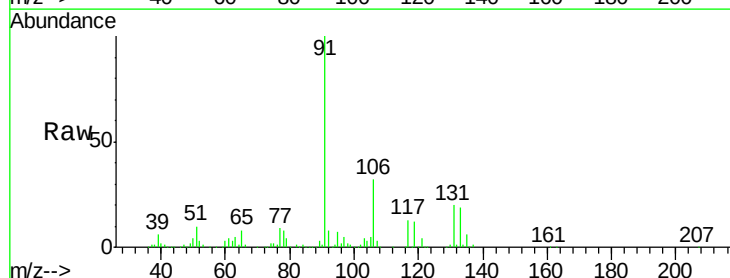
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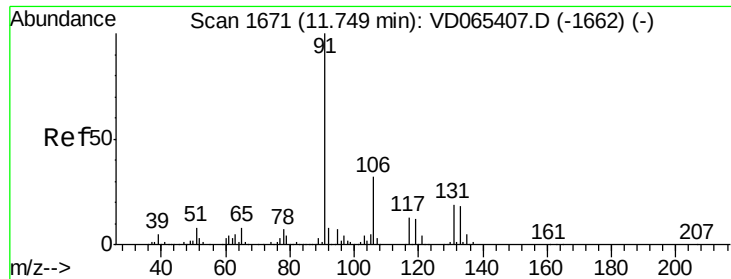
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.176 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	49.2	147.6
119	63.7	33.3	99.8





#67

Ethyl Benzene

Concen: 21.425 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion: 91 Resp: 449934

Ion Ratio Lower Upper

91 100

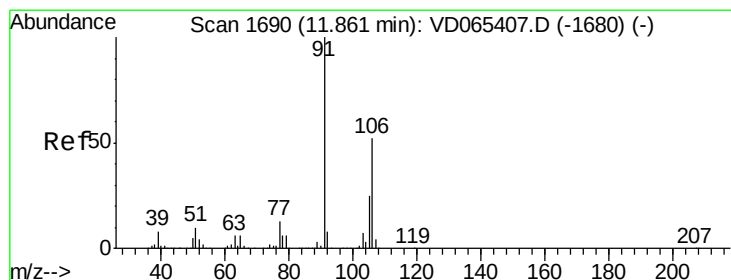
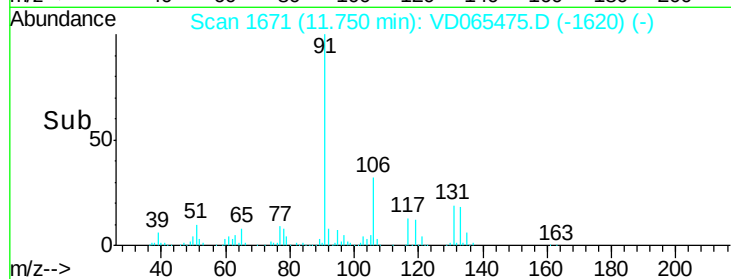
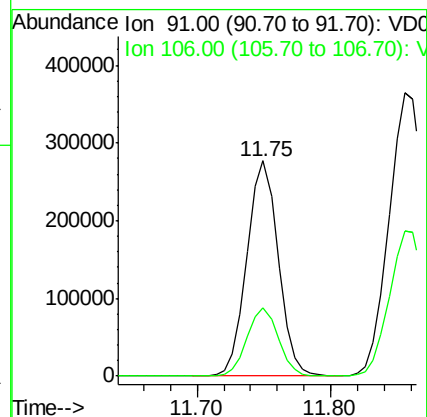
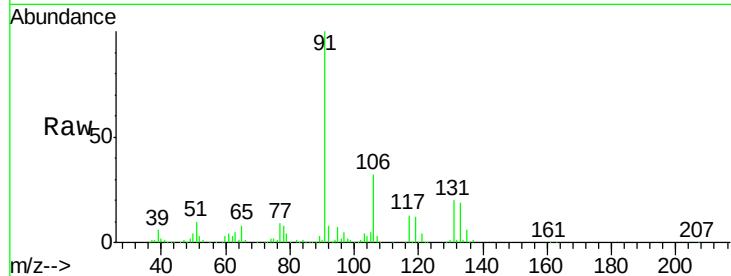
106 31.5 25.2 37.8

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#68

m/p-Xylenes

Concen: 43.982 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065475.D

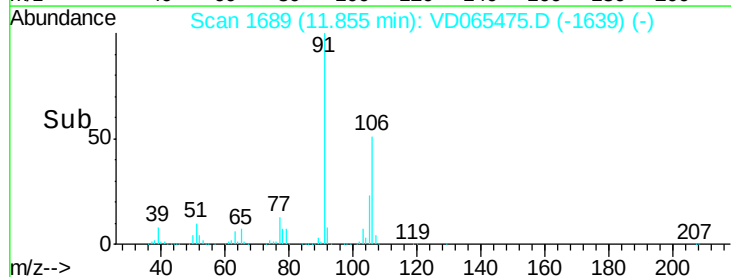
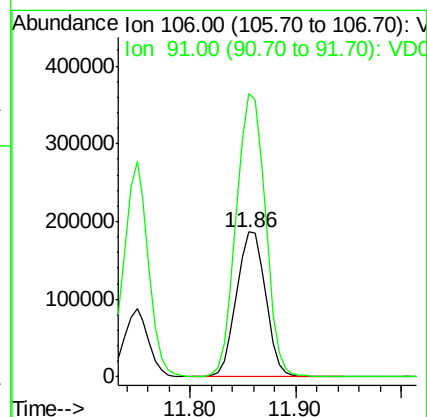
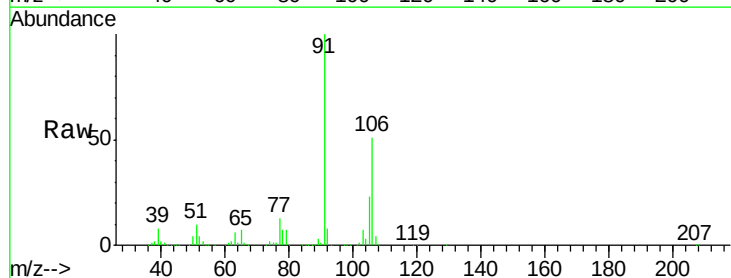
Acq: 11 Mar 2020 12:09

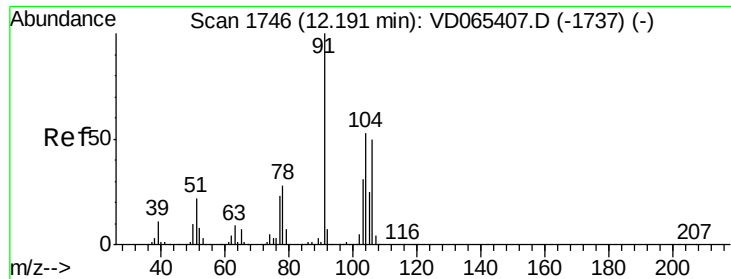
Tgt Ion: 106 Resp: 356149

Ion Ratio Lower Upper

106 100

91 196.1 155.9 233.9





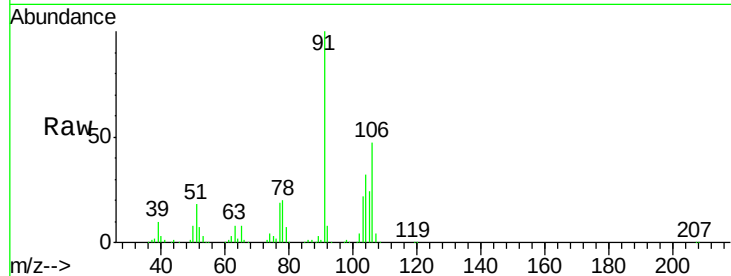
#69
o-Xylene
Concen: 21.147 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

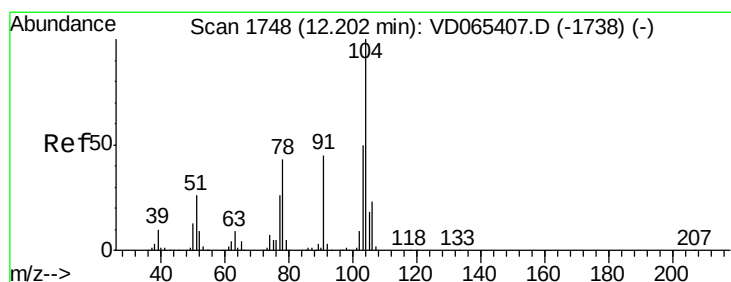
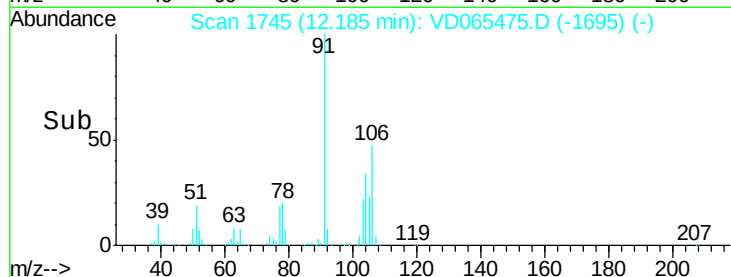
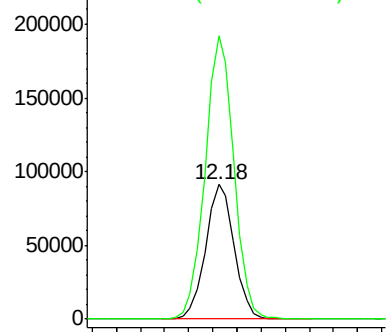
Tot Ion:106 Resp: 150628
Ion Ratio Lower Upper
106 100
91 211.3 103.5 310.3

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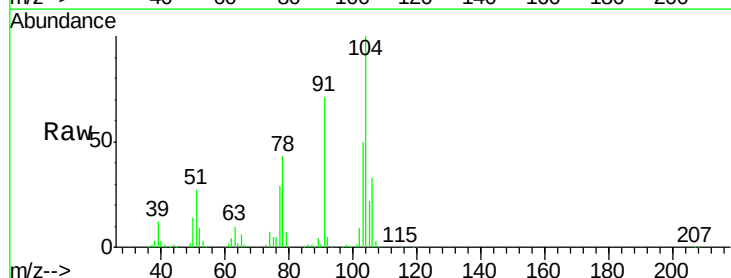


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

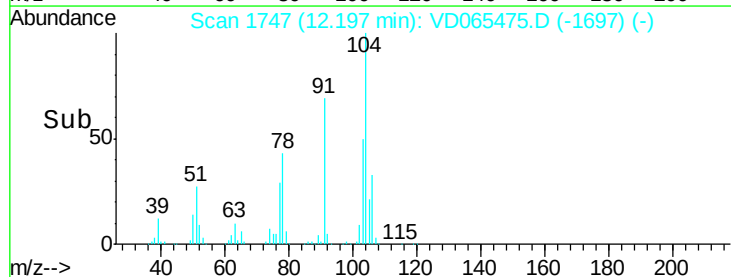
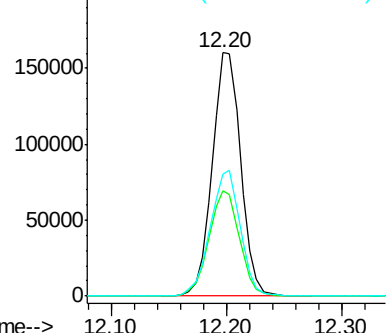


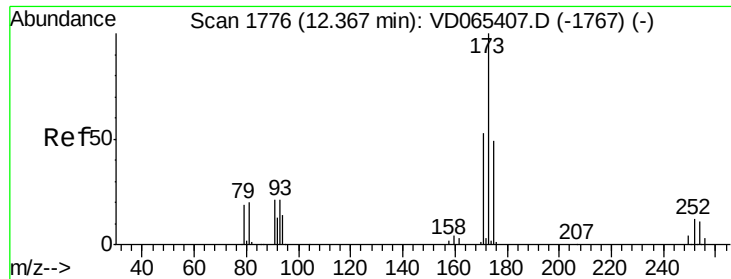
#70
Styrene
Concen: 21.905 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion:104 Resp: 274599
Ion Ratio Lower Upper
104 100
78 46.5 37.7 56.5
103 54.6 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





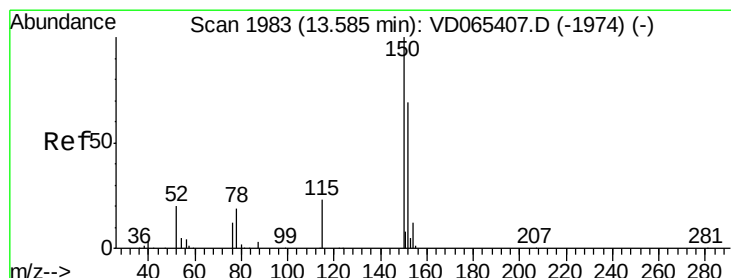
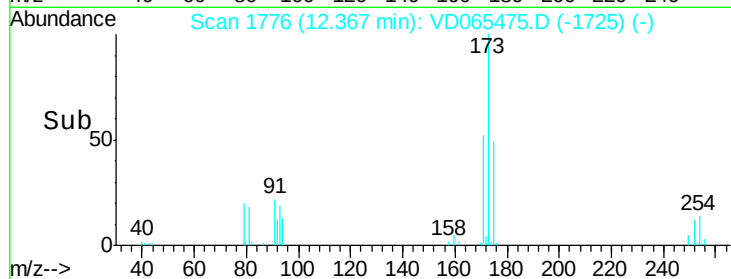
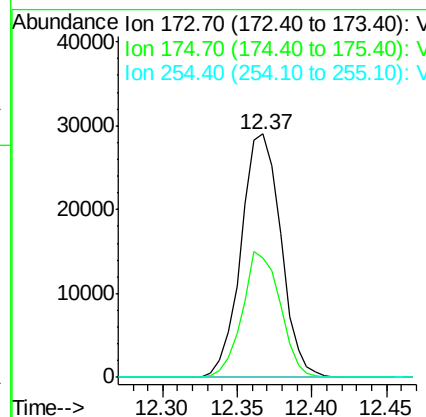
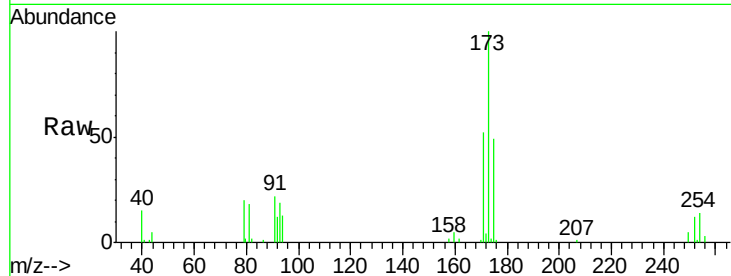
#71
Bromoform
Concen: 21.581 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	0.0	0.1	0.1#

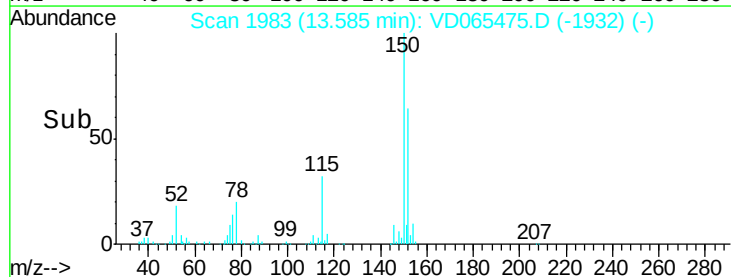
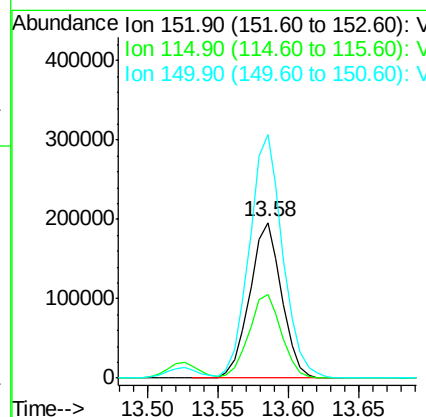
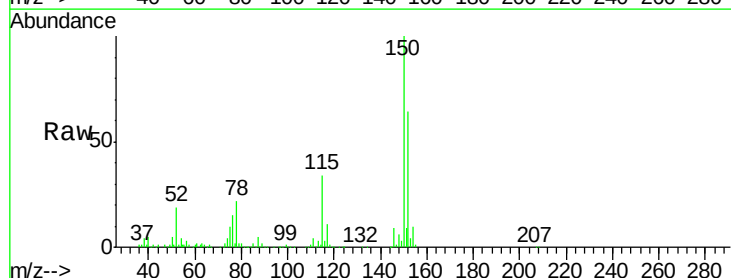
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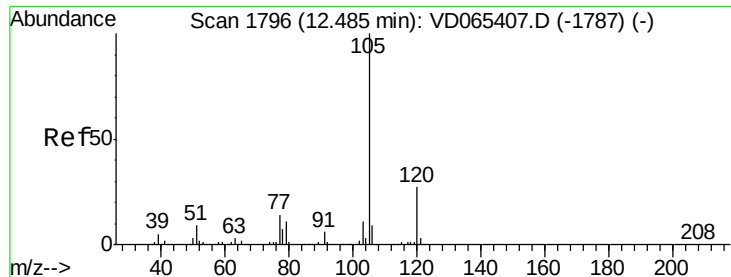
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.6	82.8
150	162.9	0.0	345.0





#73

Isopropylbenzene

Concen: 20.835 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:105 Resp: 425749

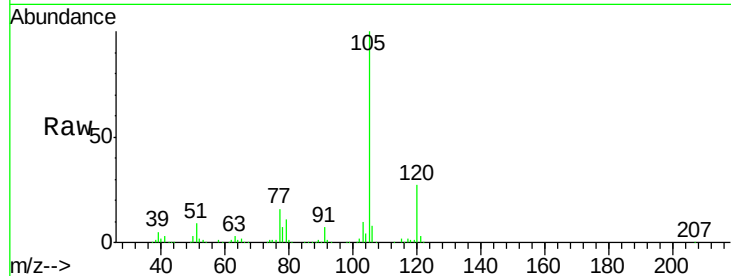
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

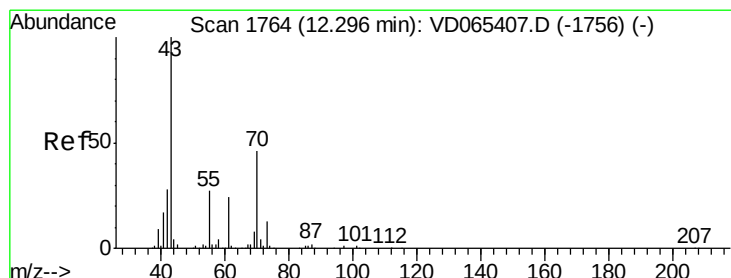
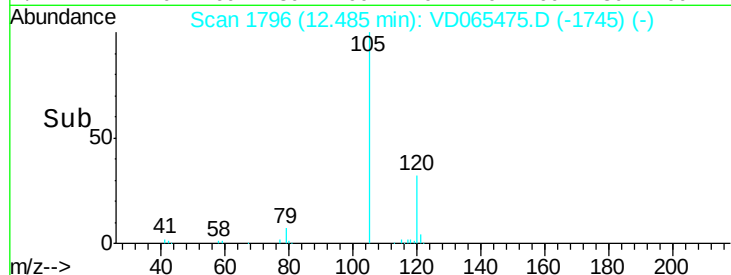
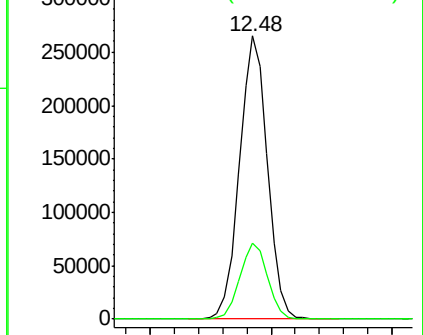
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.061 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion: 43 Resp: 79740

Ion Ratio Lower Upper

43 100

70 44.3 36.1 54.1

55 28.8 21.6 32.4

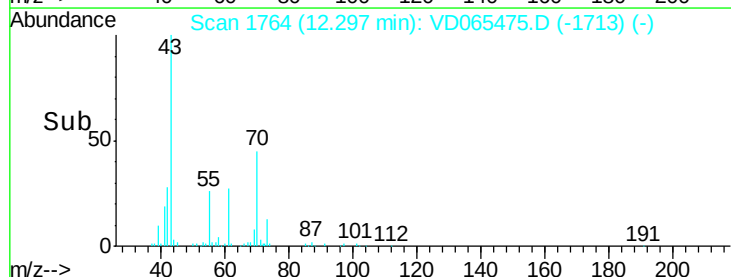
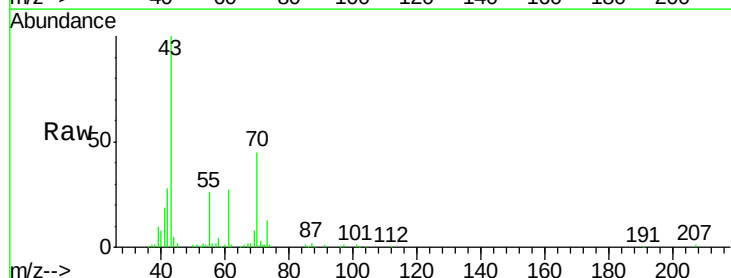
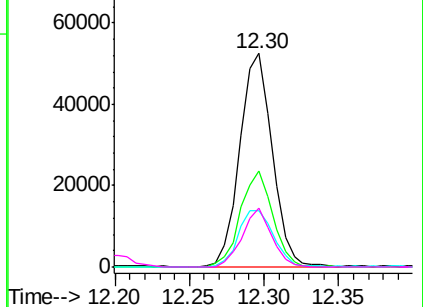
61 24.4 19.6 29.4

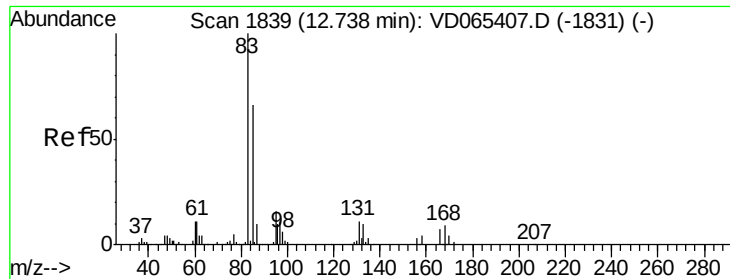
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.214 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

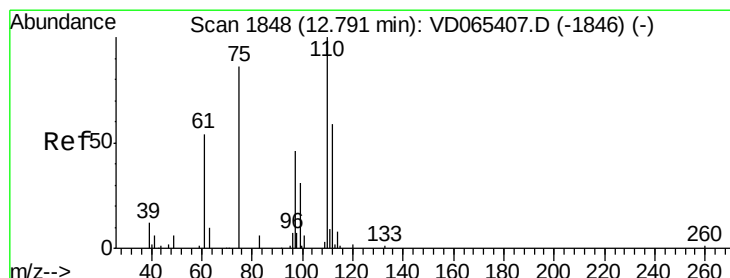
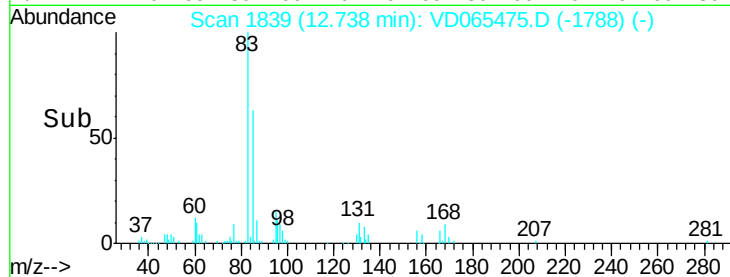
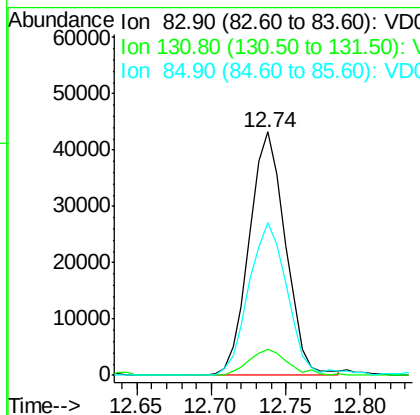
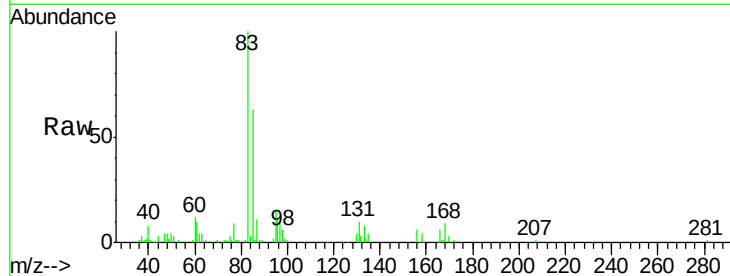
ClientSampleId :

VD0311SBS01

Tot Ion:	83	Resp:	72606
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	67.2	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 19.048 ug/l m

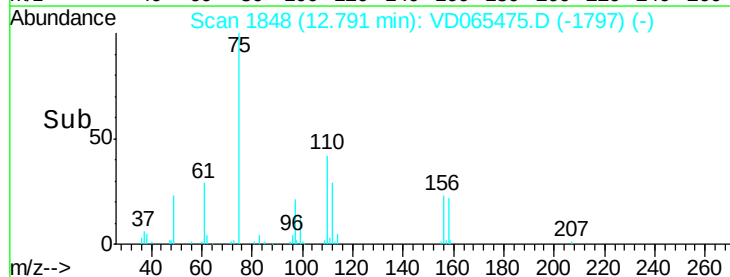
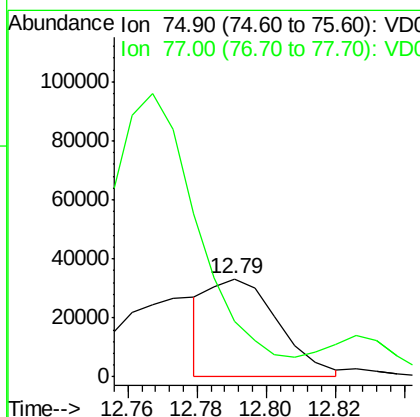
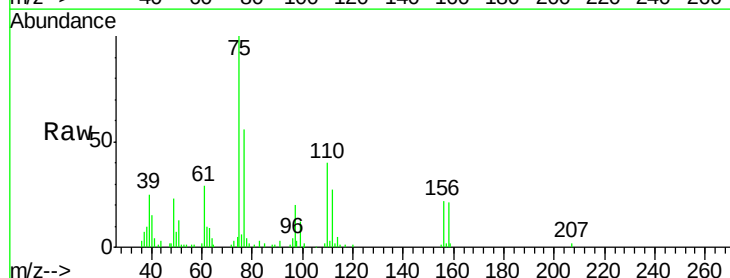
RT: 12.79 min Scan# 1848

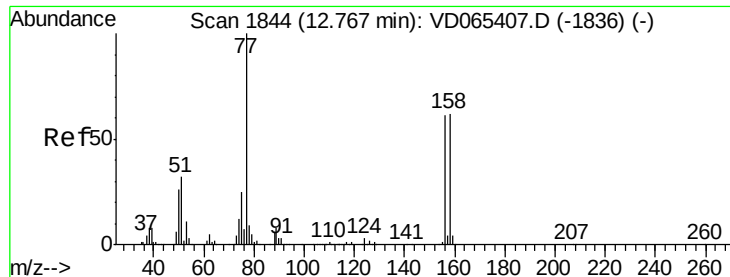
Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Tgt Ion:	75	Resp:	46695
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.220 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:156 Resp: 107736

Ion Ratio Lower Upper

156 100

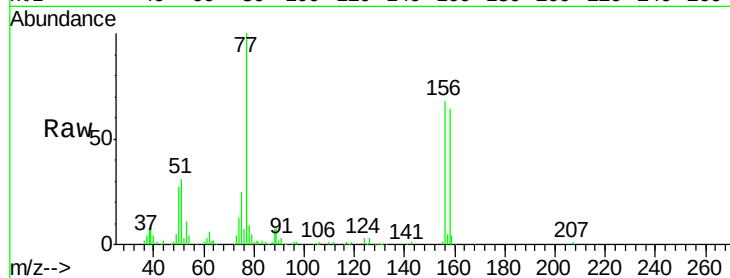
77 168.3 84.9 254.6

158 96.7 49.0 147.2

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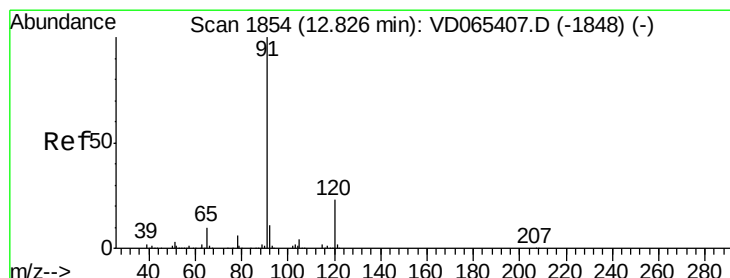
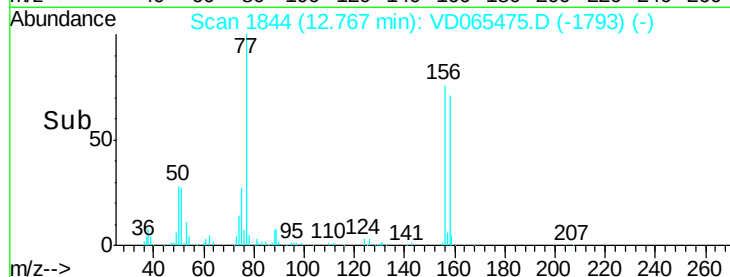
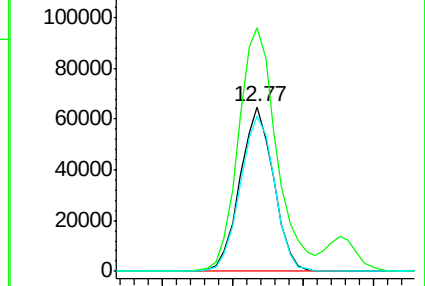
3/13/2020 9:49:35 AM



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: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065475.D

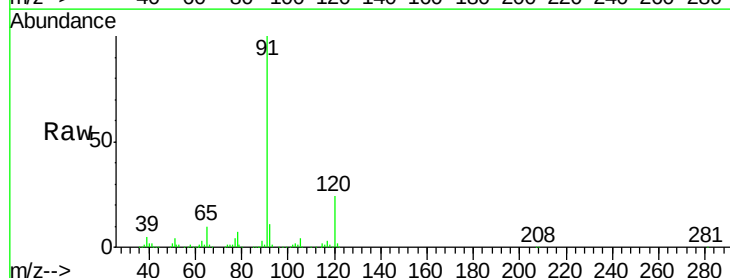
Acq: 11 Mar 2020 12:09

Tgt Ion: 91 Resp: 518826

Ion Ratio Lower Upper

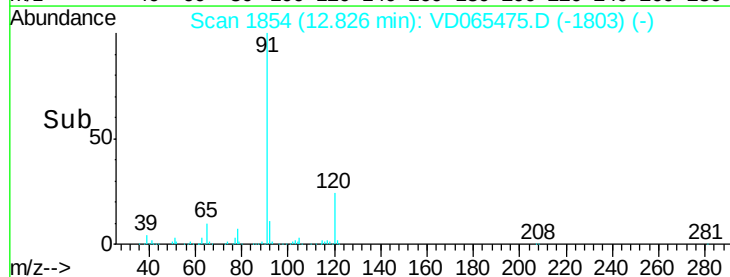
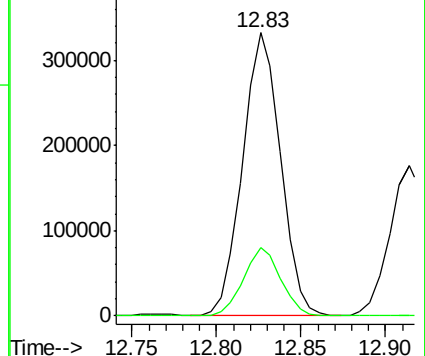
91 100

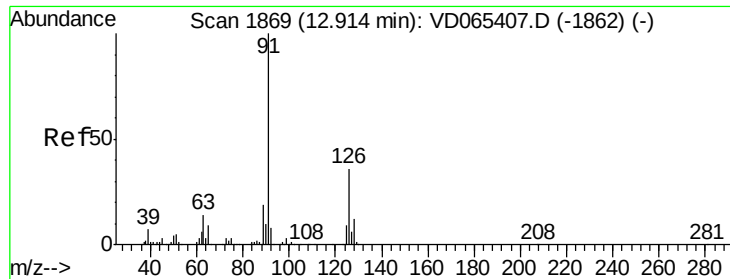
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





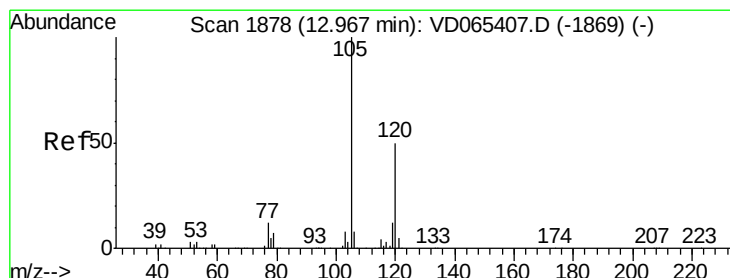
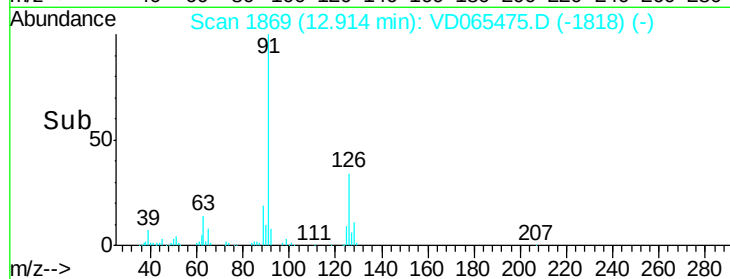
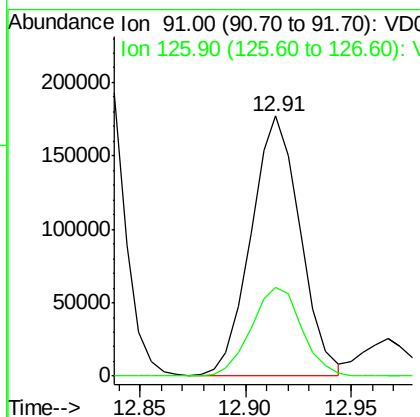
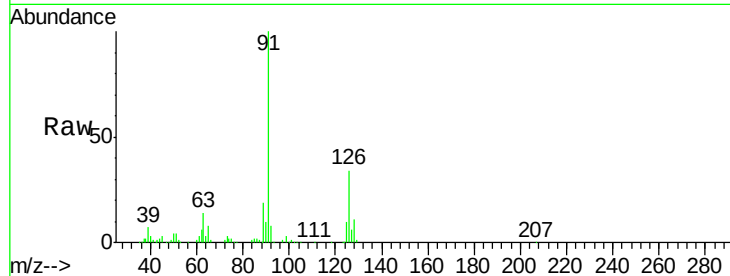
#79
 2-Chlorotoluene
 Concen: 20.933 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.9	53.8

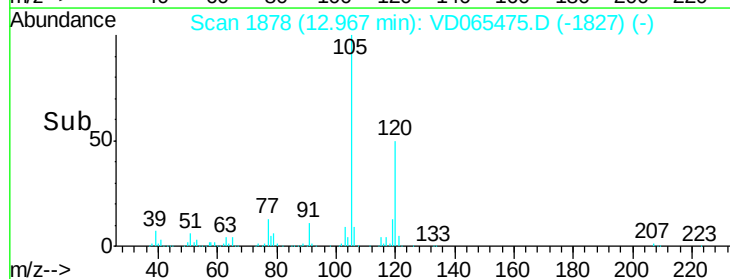
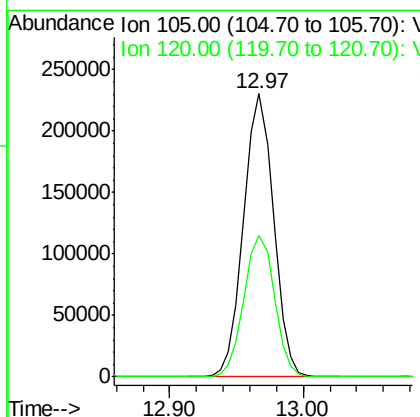
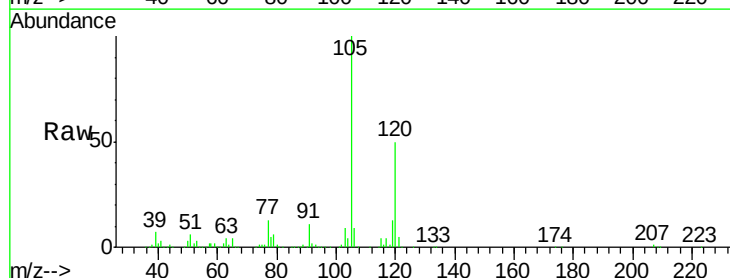
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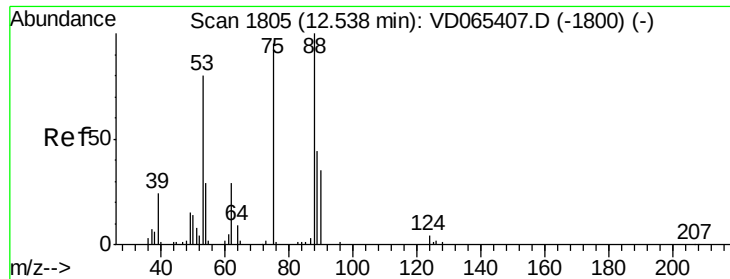
MMDadoda
 3/13/2020 9:49:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.318 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.3	25.4	76.0





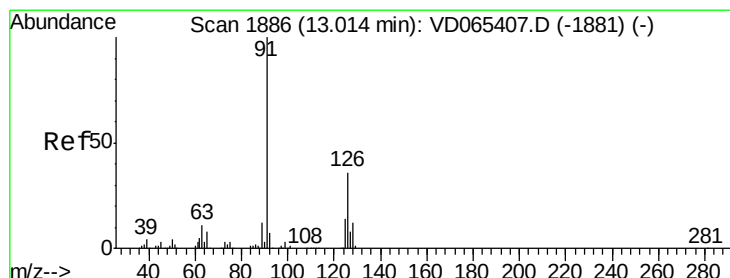
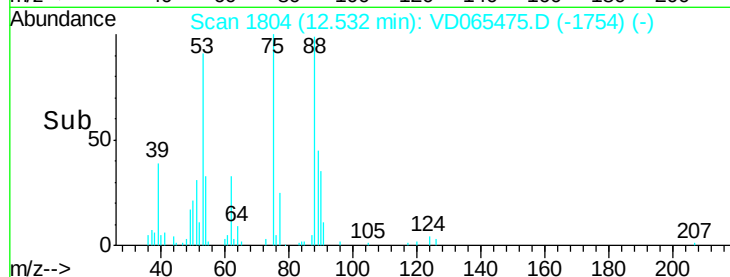
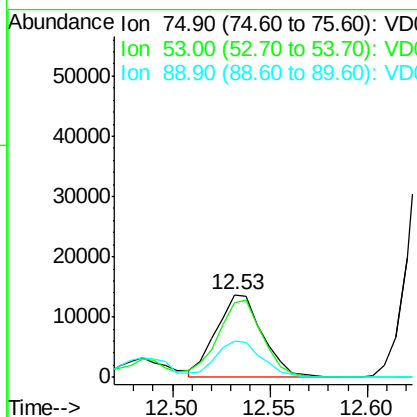
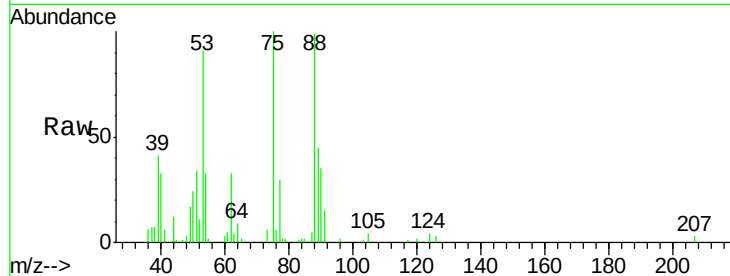
#81
trans-1,4-Dichloro-2-butene
Concen: 19.367 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.2	71.3	106.9
89	44.4	37.0	55.6

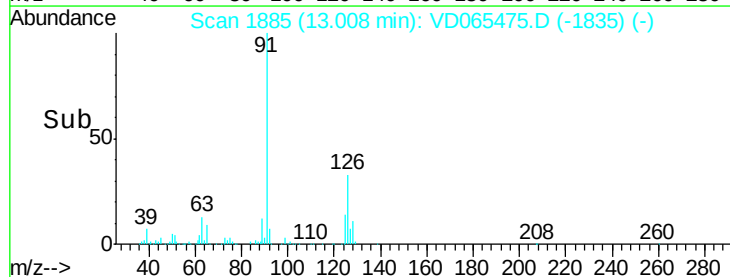
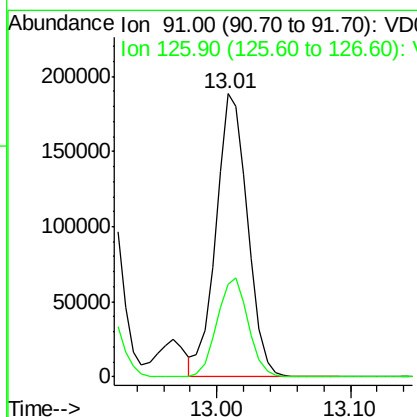
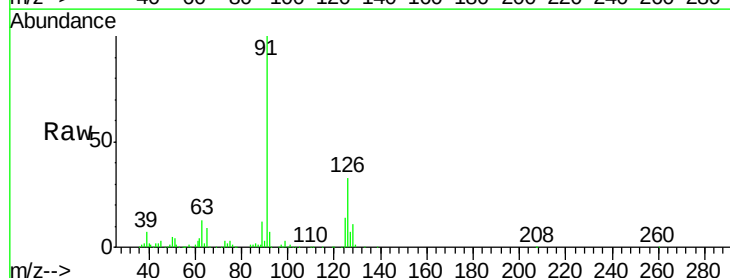
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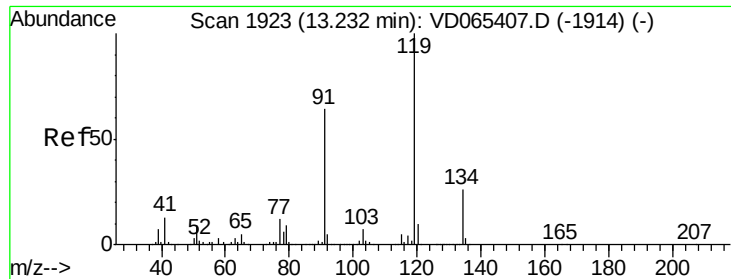
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#82
4-Chlorotoluene
Concen: 21.742 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.6	52.8





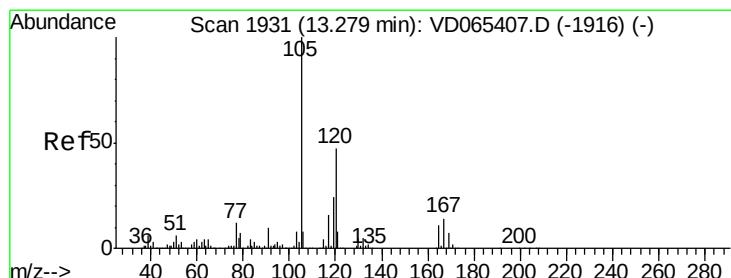
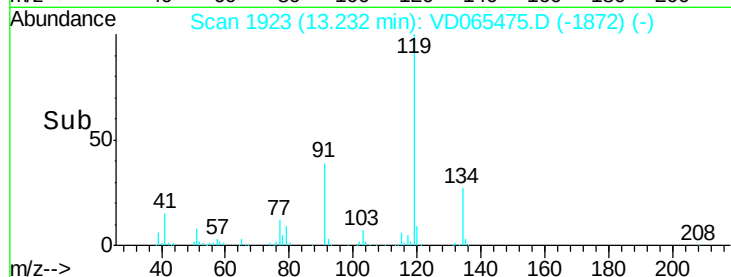
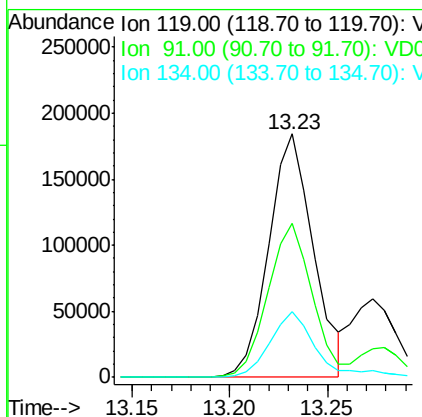
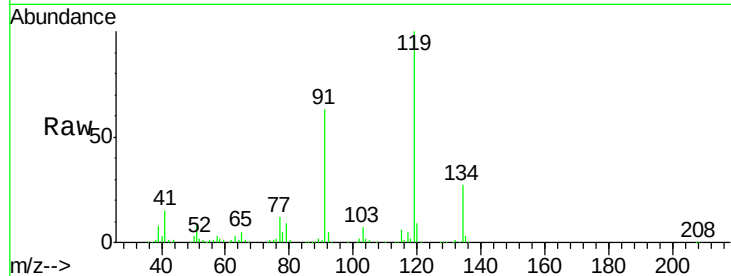
#83
 tert-Butylbenzene
 Concen: 20.549 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.6	95.0
134	28.2	14.2	42.8

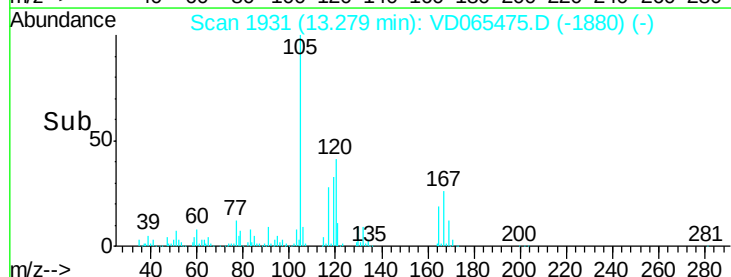
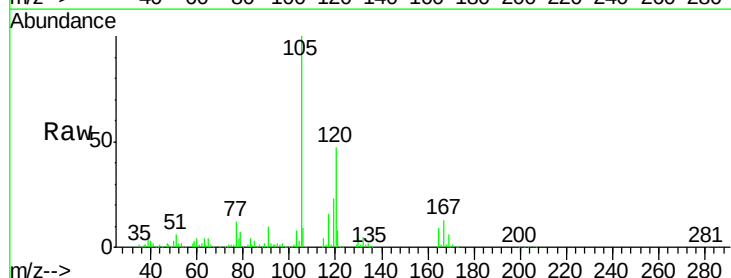
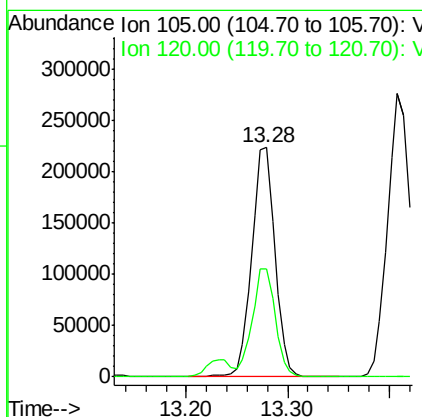
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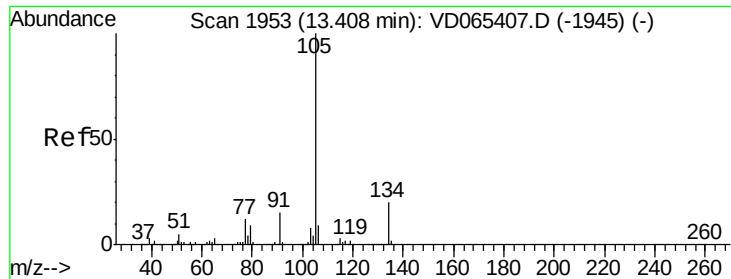
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.622 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.314 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD0311SBS01

Tot Ion:105 Resp: 432405

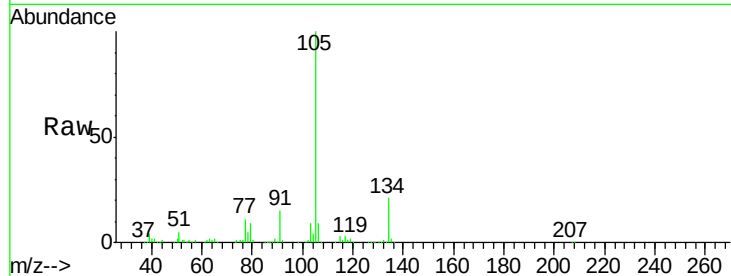
Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9

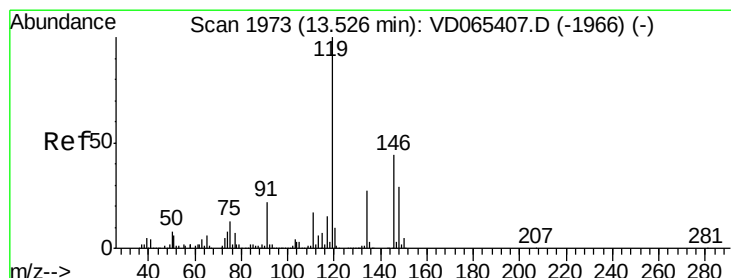
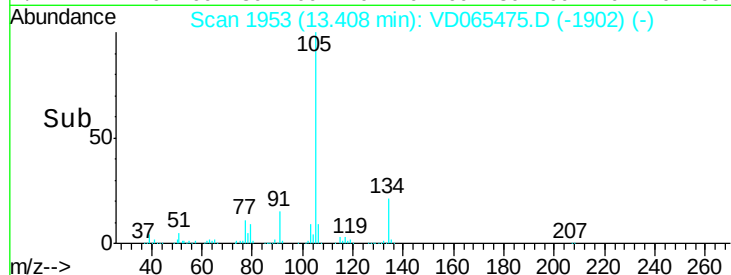
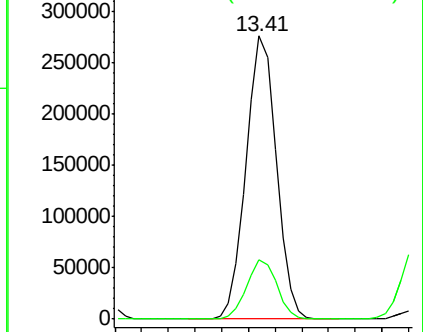
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3/13/2020 9:49:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.120 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065475.D

Acq: 11 Mar 2020 12:09

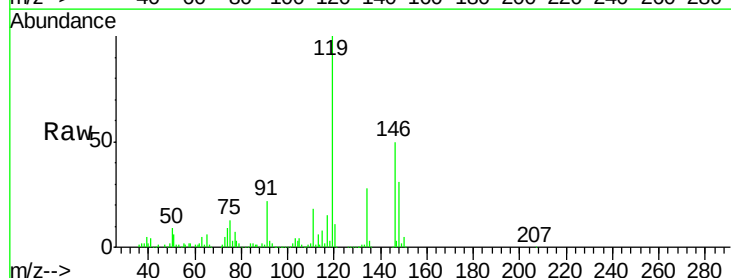
Tgt Ion:119 Resp: 390975

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

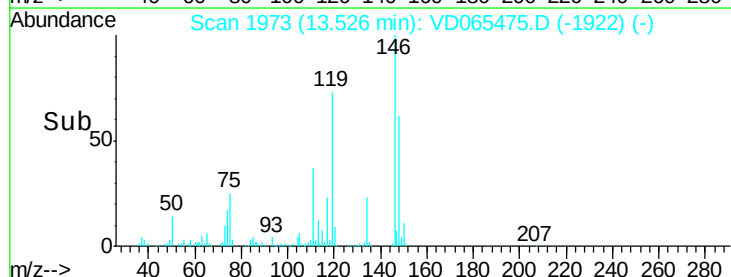
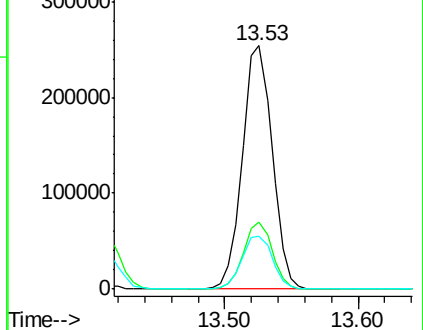
91 22.3 10.9 32.6

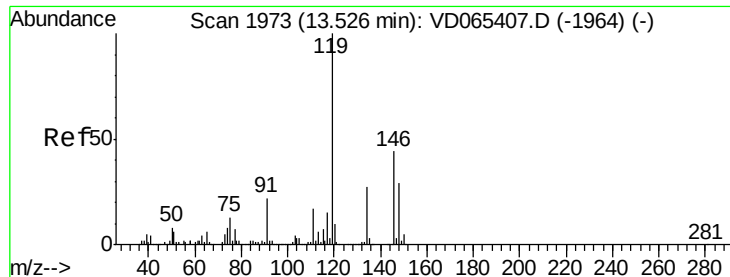


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





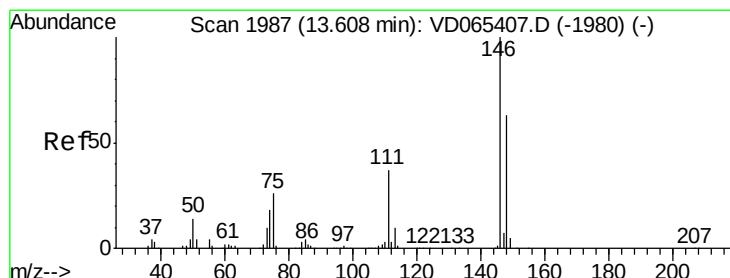
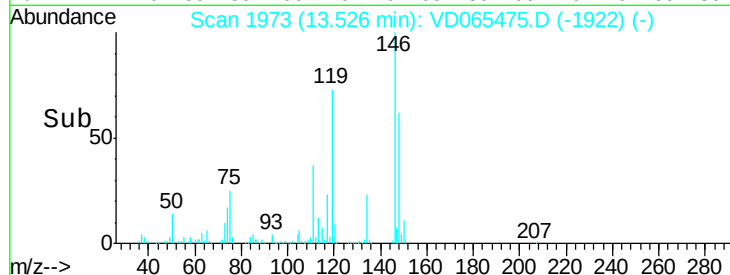
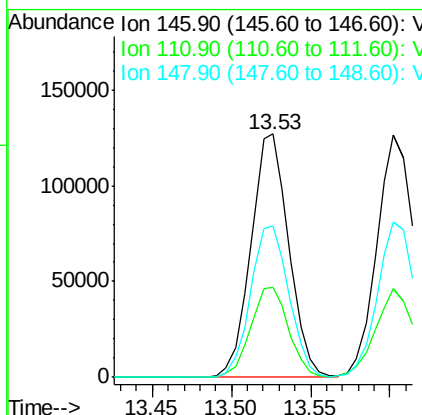
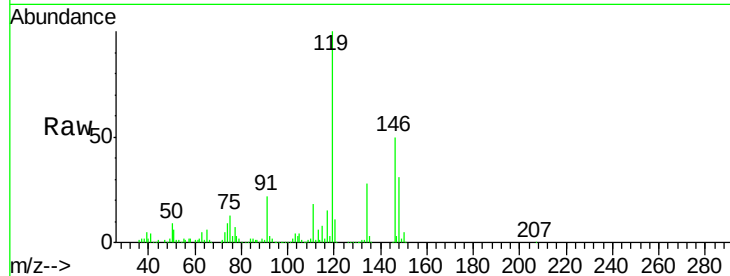
#87
 1,3-Dichlorobenzene
 Concen: 21.595 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	63.1	32.3	96.8

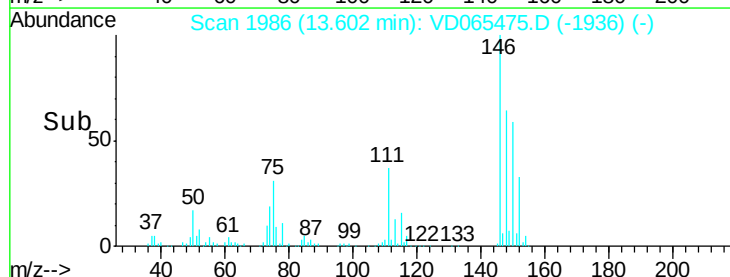
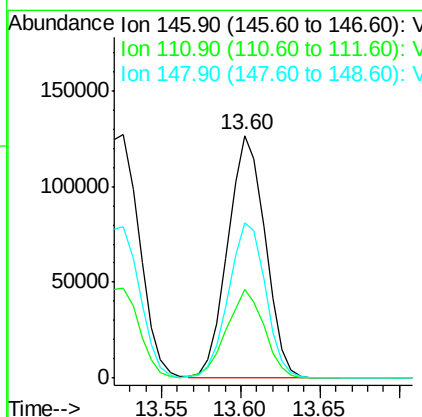
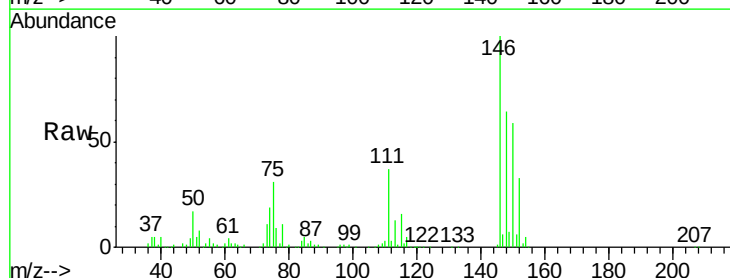
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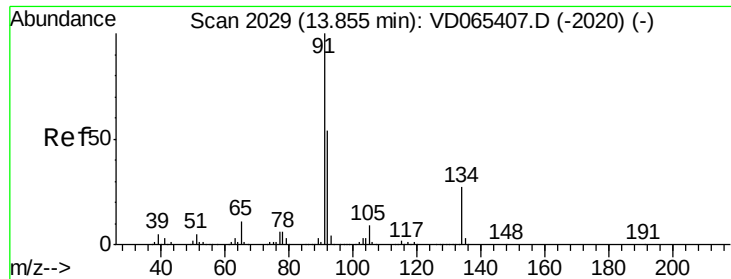
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#88
 1,4-Dichlorobenzene
 Concen: 21.373 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	63.4	32.0	96.0





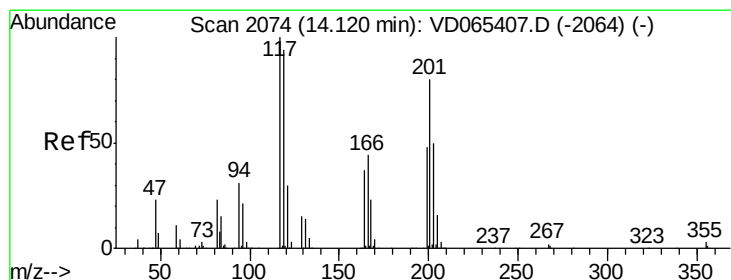
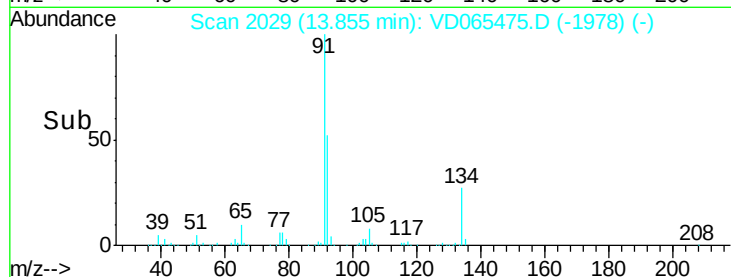
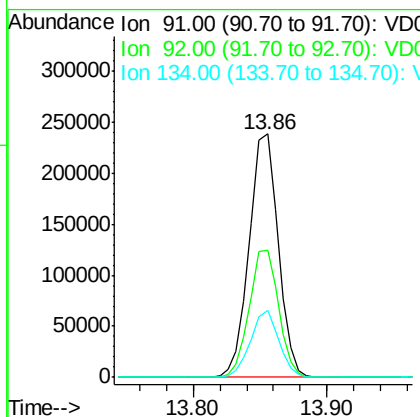
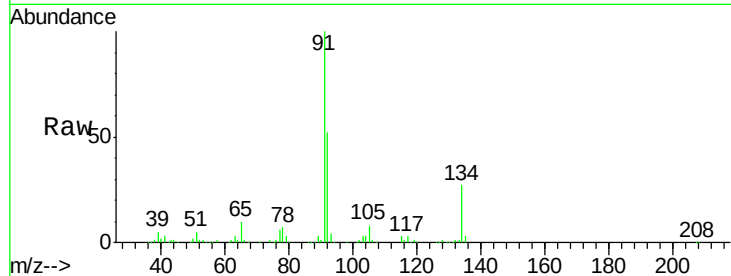
#89
n-Butylbenzene
Concen: 20.904 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	26.9	13.4	40.2

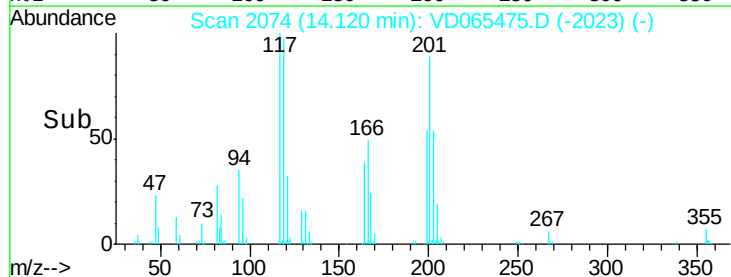
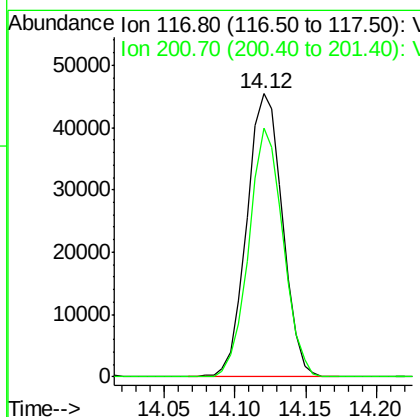
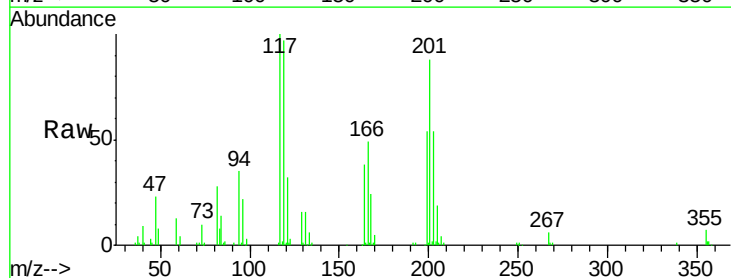
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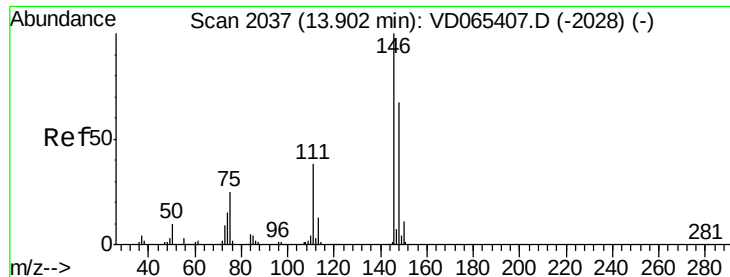
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#90
Hexachloroethane
Concen: 21.136 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	41.9	125.6





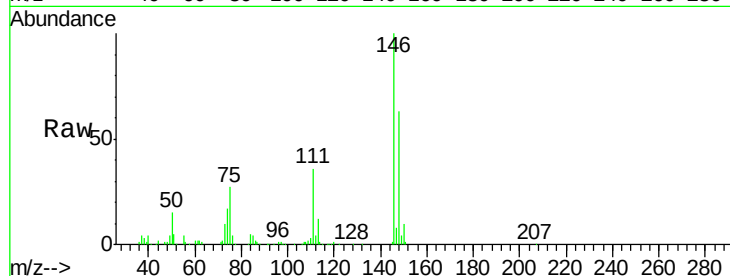
#91
 1,2-Dichlorobenzene
 Concen: 21.508 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

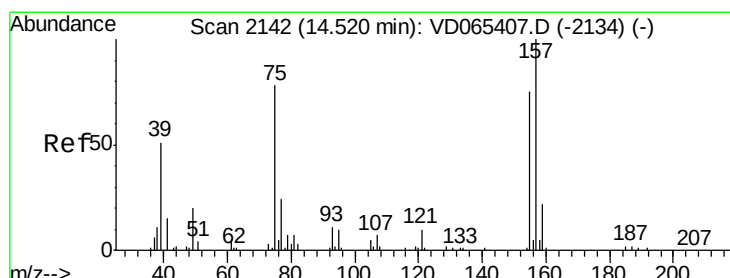
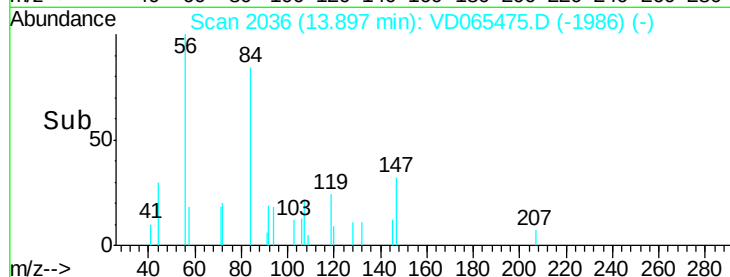
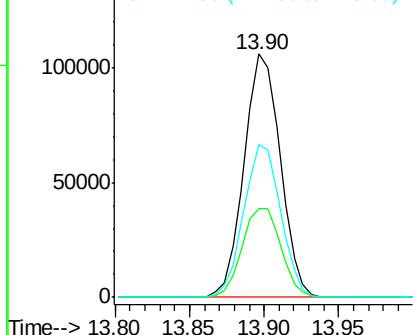
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	64.1	32.6	97.8

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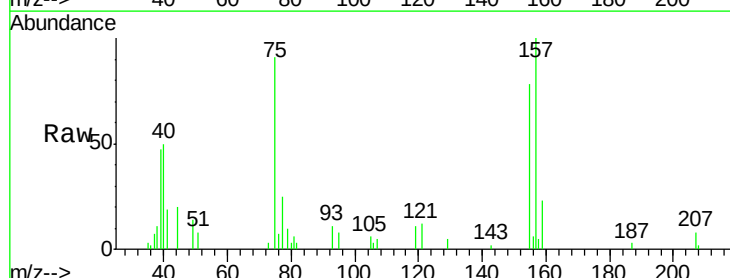


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

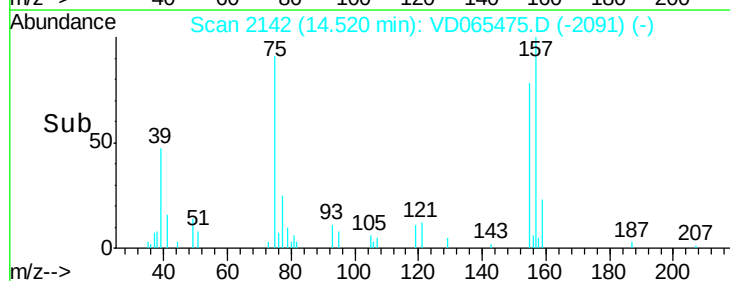
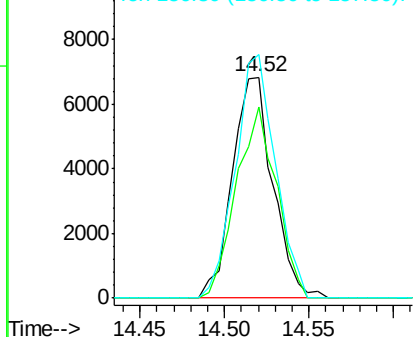


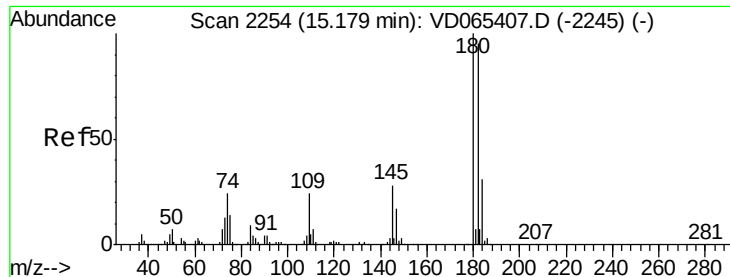
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.818 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	46.4	139.1
157	109.8	60.2	180.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





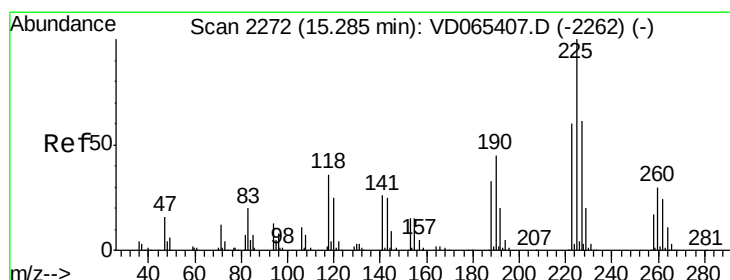
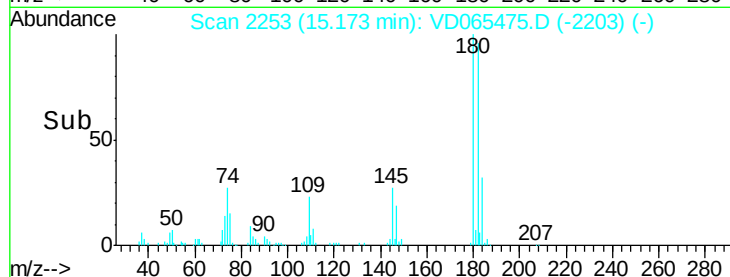
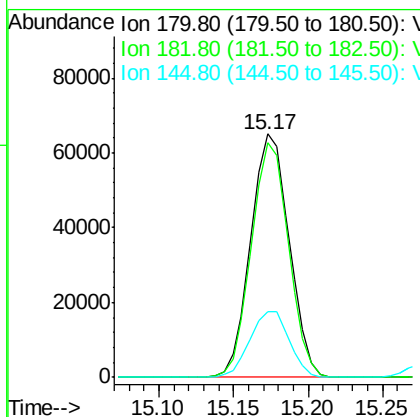
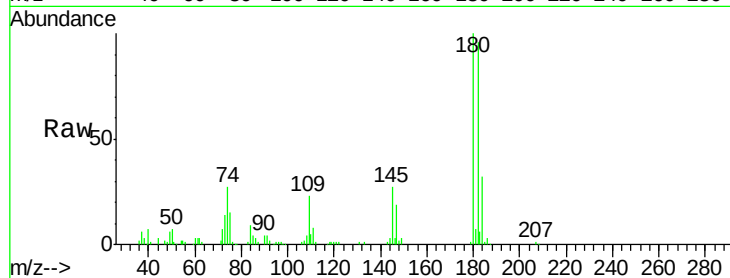
#93
 1,2,4-Trichlorobenzene
 Concen: 20.607 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116014		
182	93.4	48.3	144.9	
145	27.8	14.4	43.4	

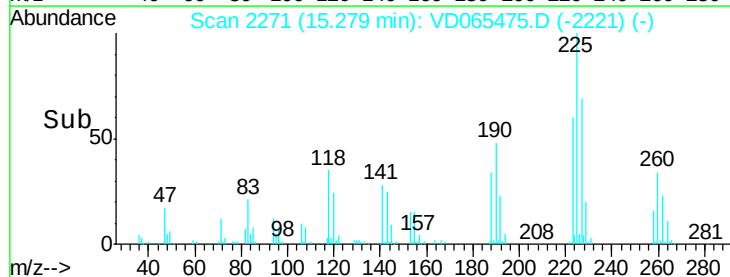
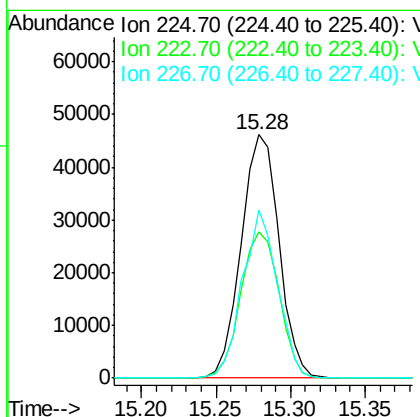
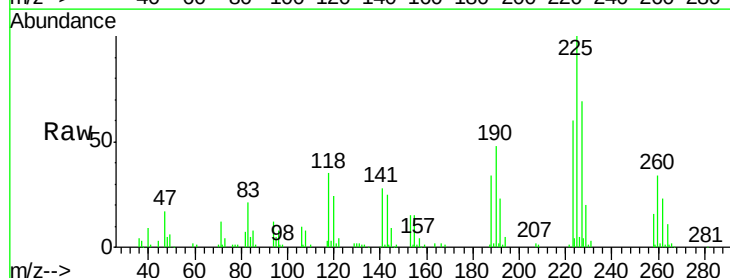
Manual Integrations
 APPROVED

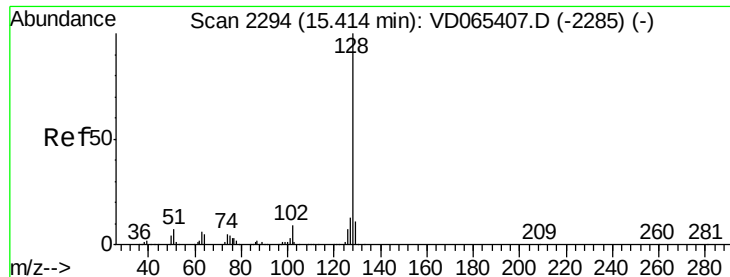
MMDadoda
 3/13/2020 9:49:35 AM



#94
 Hexachlorobutadiene
 Concen: 21.914 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065475.D
 Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81064		
223	61.3	30.9	92.5	
227	63.8	31.6	94.7	





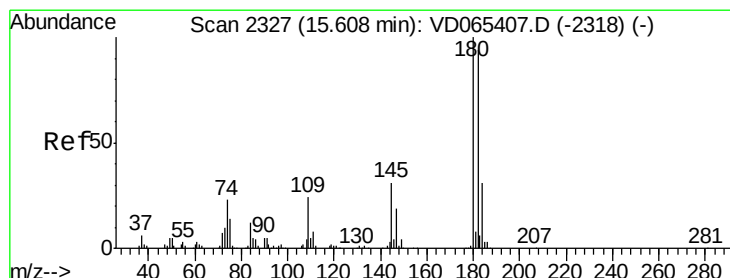
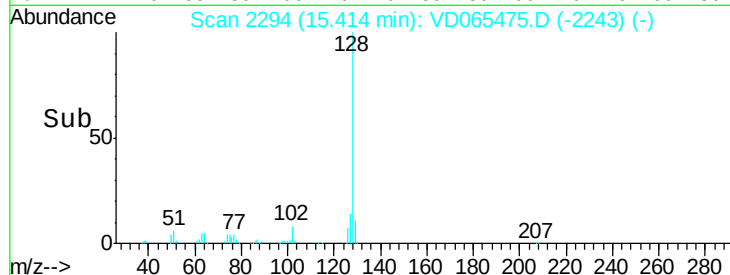
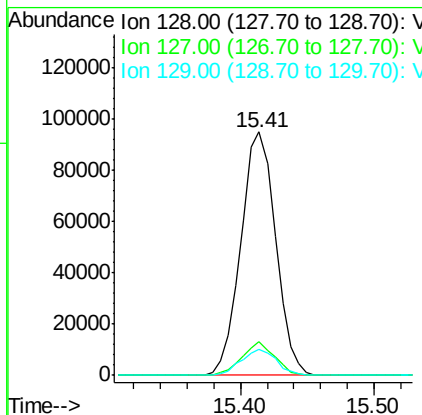
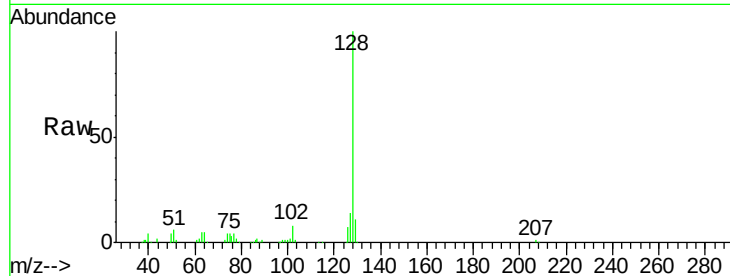
#95
Naphthalene
Concen: 19.987 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD0311SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.901 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065475.D
Acq: 11 Mar 2020 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.6
145	29.2	15.0	45.1

