

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065457.D
 Acq On : 09 Mar 2020 18:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:29 PM

Quant Time: Mar 10 13:47:55 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	459710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	675685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205920	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.92	113	222759	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	868839	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.64	95	267612	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	164402	41.611	ug/l	98
3) Chloromethane	2.21	50	212349	44.518	ug/l	99
4) Vinyl Chloride	2.35	62	213753	45.433	ug/l	99
5) Bromomethane	2.77	94	140083	53.469	ug/l	98
6) Chloroethane	2.93	64	134962	46.837	ug/l	98
7) Trichlorofluoromethane	3.27	101	316321	45.629	ug/l	99
8) Diethyl Ether	3.71	74	100647	48.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208331	46.660	ug/l	99
10) Methyl Iodide	4.30	142	233770	50.397	ug/l	99
11) Tert butyl alcohol	5.25	59	54682	241.751	ug/l	99
12) 1,1-Dichloroethene	4.06	96	196479	45.956	ug/l	97
13) Acrolein	3.92	56	71964	184.479	ug/l	97
14) Allyl chloride	4.71	41	319515	48.649	ug/l	99
15) Acrylonitrile	5.43	53	222089	247.623	ug/l	99
16) Acetone	4.16	43	170023	213.192	ug/l	99
17) Carbon Disulfide	4.40	76	644939	45.298	ug/l	100
18) Methyl Acetate	4.73	43	95739	47.325	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	424743	51.661	ug/l	96
20) Methylene Chloride	4.96	84	238951	55.558	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	232914	48.973	ug/l	95
22) Diisopropyl ether	6.37	45	649397	53.190	ug/l	98
23) Vinyl Acetate	6.31	43	1795257	264.825	ug/l	100
24) 1,1-Dichloroethane	6.26	63	386393	49.341	ug/l	99
25) 2-Butanone	7.22	43	258505	237.525	ug/l	99
26) 2,2-Dichloropropane	7.21	77	323187	47.226	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	248694	51.158	ug/l	99
28) Bromochloromethane	7.55	49	165420	52.798	ug/l	99
29) Tetrahydrofuran	7.57	42	175063	251.883	ug/l	99
30) Chloroform	7.71	83	397413	50.773	ug/l	99
31) Cyclohexane	7.98	56	356472	45.524	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349399	48.304	ug/l	99
36) 1,1-Dichloropropene	8.11	75	317828	49.071	ug/l	100
37) Ethyl Acetate	7.30	43	124885	49.886	ug/l	99
38) Carbon Tetrachloride	8.10	117	321171	47.819	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	381119	48.720	ug/l	96
40) Benzene	8.36	78	915795	50.571	ug/l	100
41) Methacrylonitrile	7.53	41	70553	53.290	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	238253	50.384	ug/l	100
43) Isopropyl Acetate	8.46	43	229628	49.677	ug/l	99
44) Trichloroethene	9.11	130	248915	48.672	ug/l	99
45) 1,2-Dichloropropane	9.39	63	226700	51.680	ug/l	95
46) Dibromomethane	9.48	93	116993	51.417	ug/l	99
47) Bromodichloromethane	9.67	83	303123	51.208	ug/l	98
48) Methyl methacrylate	9.46	41	108049	49.693	ug/l	100
49) 1,4-Dioxane	9.47	88	25084	963.777	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	611041	262.691	ug/l	100
52) Toluene	10.41	92	582196	51.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	284381	51.408	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	343731	51.335	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165307	51.295	ug/l	99
56) Ethyl methacrylate	10.67	69	191562	52.727	ug/l	99
57) 1,3-Dichloropropane	10.95	76	276158	50.646	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	262542	231.379	ug/l	100
59) 2-Hexanone	10.99	43	400416	248.673	ug/l	99
60) Dibromochloromethane	11.14	129	212172	51.362	ug/l	99
61) 1,2-Dibromoethane	11.25	107	155495	50.585	ug/l	98
64) Tetrachloroethene	10.88	164	214236	48.666	ug/l	97
65) Chlorobenzene	11.67	112	604984	49.763	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	227169	51.306	ug/l	97
67) Ethyl Benzene	11.75	91	1081178	51.469	ug/l	100
68) m/p-Xylenes	11.86	106	840309	103.744	ug/l	100
69) o-Xylene	12.18	106	374445	52.554	ug/l	100
70) Styrene	12.20	104	668072	53.277	ug/l	99
71) Bromoform	12.37	173	124662	50.124	ug/l #	100
73) Isopropylbenzene	12.48	105	1004079	50.854	ug/l	99
74) N-amyl acetate	12.30	43	203761	50.409	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169466	48.829	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	127593m	53.867	ug/l	
77) Bromobenzene	12.77	156	248383	50.634	ug/l	100
78) n-propylbenzene	12.83	91	1203478	51.372	ug/l	100
79) 2-Chlorotoluene	12.91	91	663385	50.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	833786	51.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53368	47.547	ug/l	97
82) 4-Chlorotoluene	13.01	91	709418	51.133	ug/l	100
83) tert-Butylbenzene	13.23	119	705252	51.357	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	828131	51.758	ug/l	99
85) sec-Butylbenzene	13.41	105	982813	50.139	ug/l	99
86) p-Isopropyltoluene	13.52	119	910304	50.893	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	467086	49.526	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	455703	48.575	ug/l	99
89) n-Butylbenzene	13.85	91	822896	49.763	ug/l	100
90) Hexachloroethane	14.12	117	179162	48.639	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	398687	49.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25397	48.050	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	268082	49.283	ug/l	98
94) Hexachlorobutadiene	15.28	225	167952	46.990	ug/l	97
95) Naphthalene	15.41	128	436963	45.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	230423	49.020	ug/l	96

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

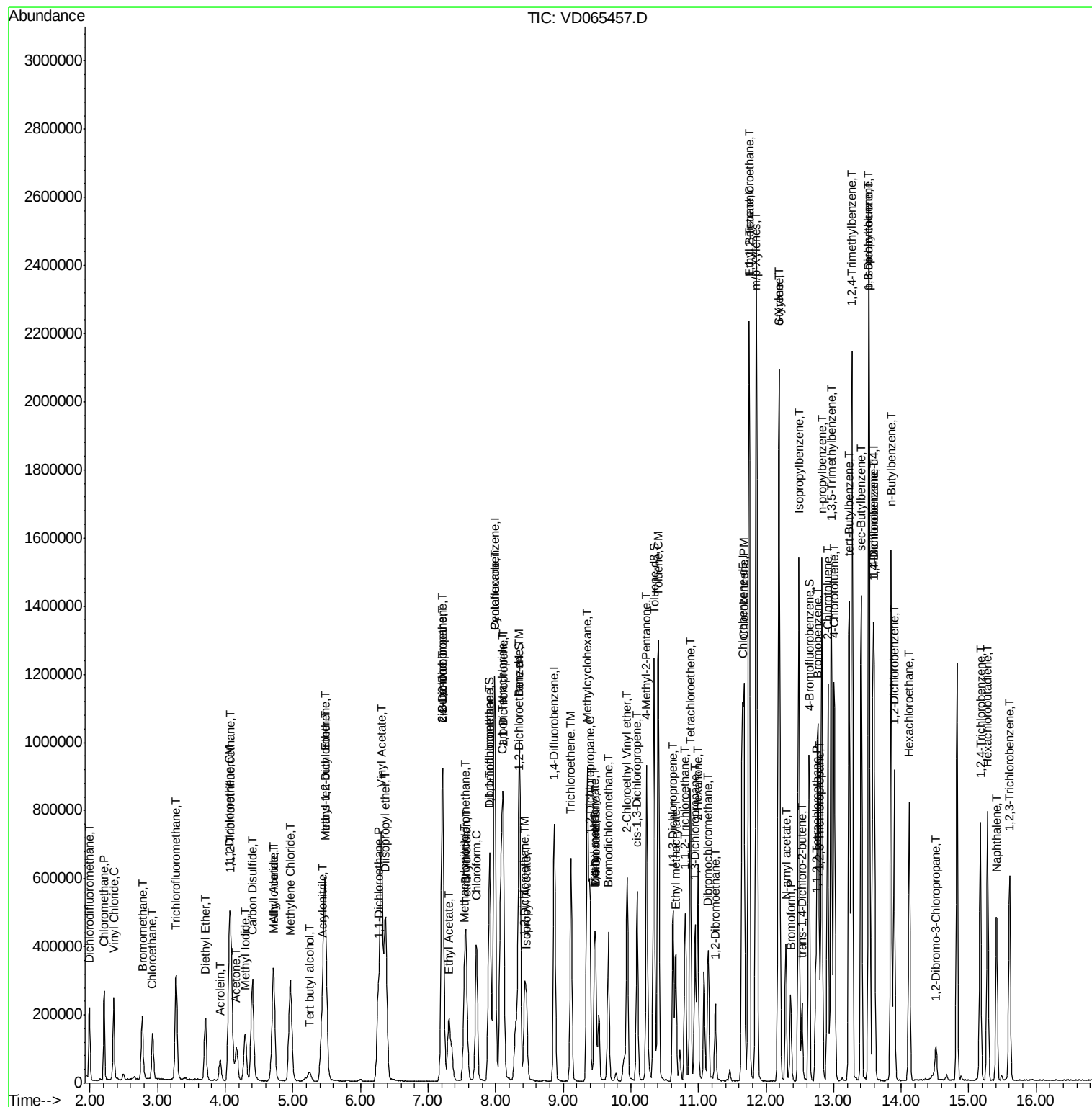
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Operator : VA/SY
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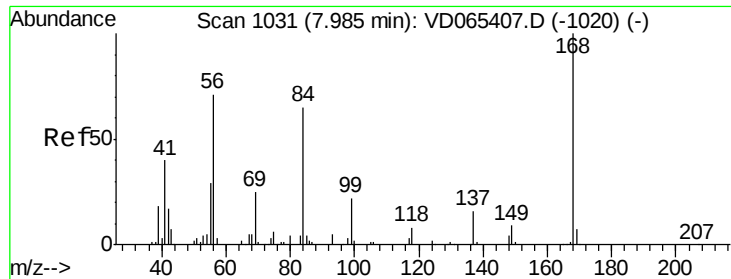
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 459710

Ion Ratio Lower Upper

168 100

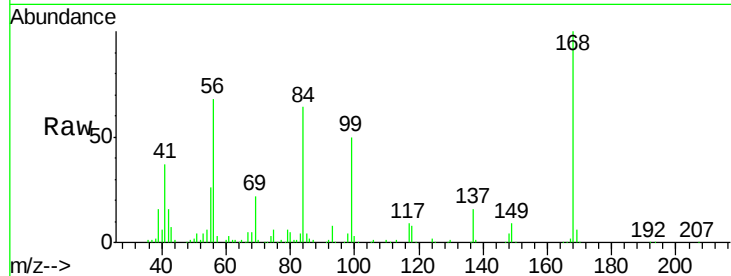
99 50.1 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

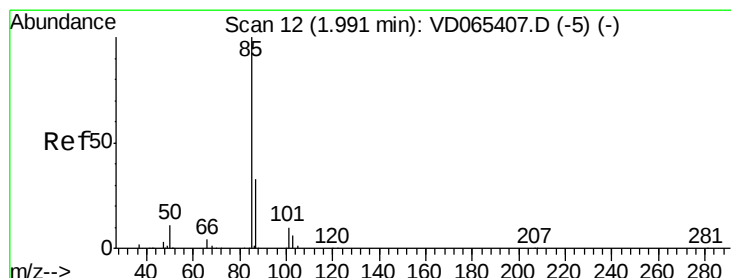
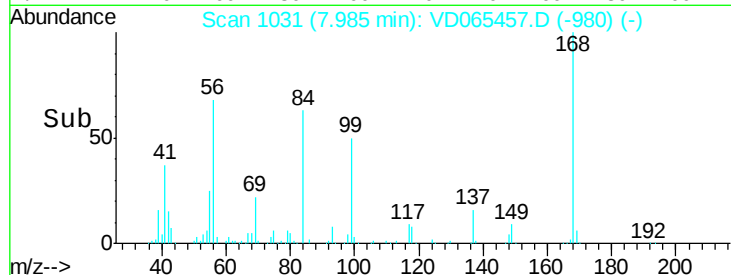
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.611 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065457.D

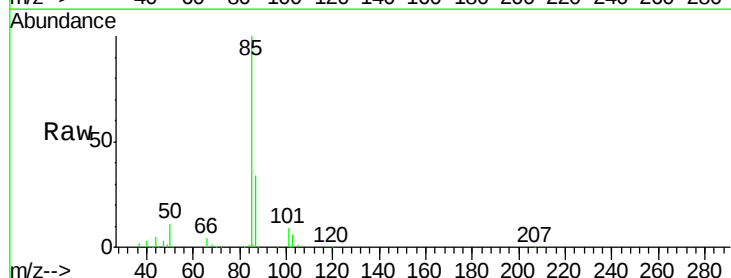
Acq: 09 Mar 2020 18:42

Tgt Ion: 85 Resp: 164402

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

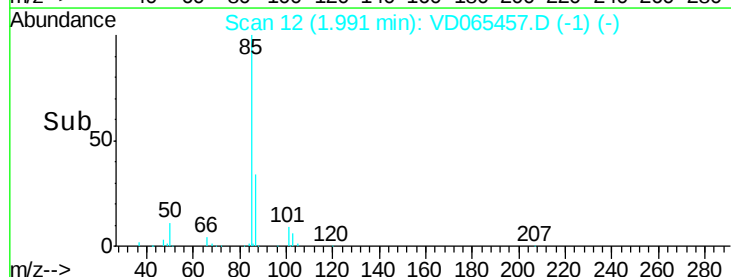
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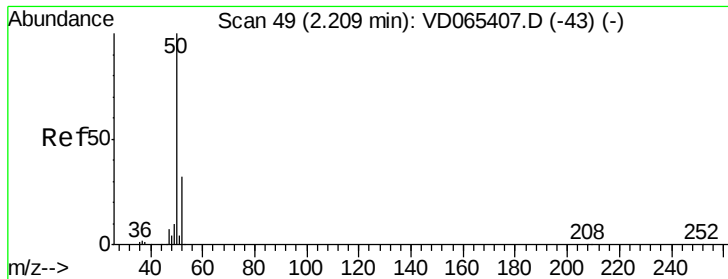
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.518 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 212349

Ion Ratio Lower Upper

50 100

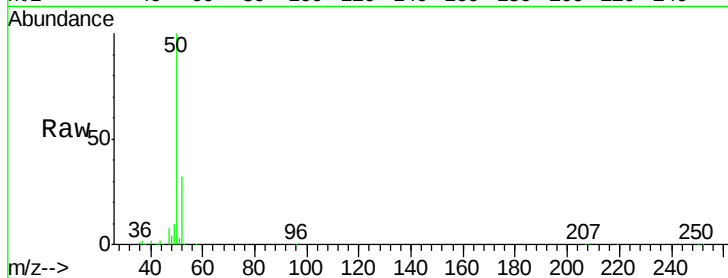
52 31.7 25.8 38.8

Manual Integrations

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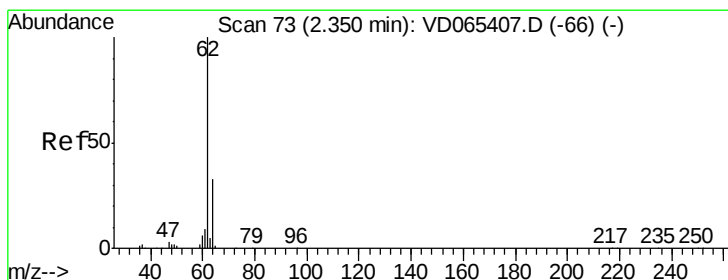
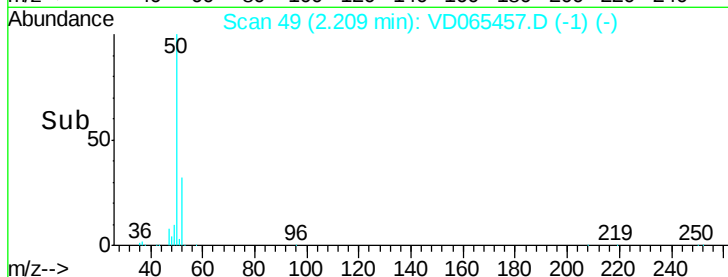
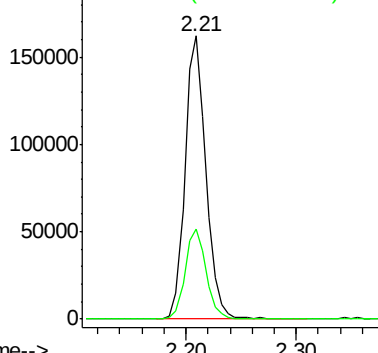
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.433 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065457.D

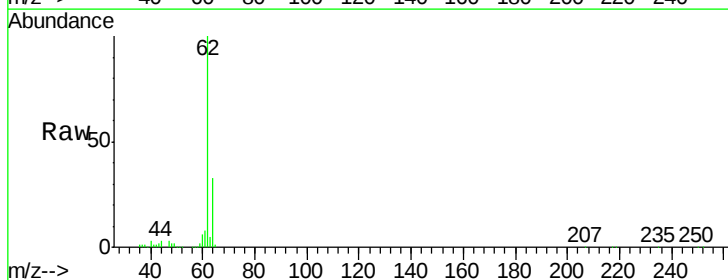
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Tgt Ion: 62 Resp: 213753

Ion Ratio Lower Upper

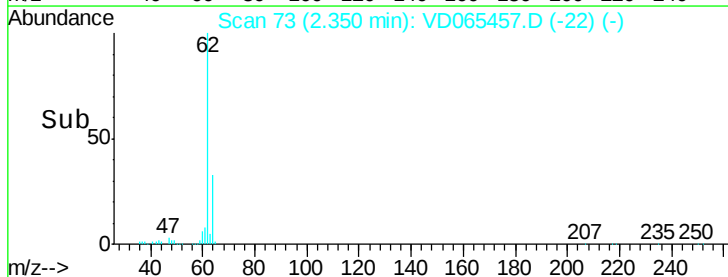
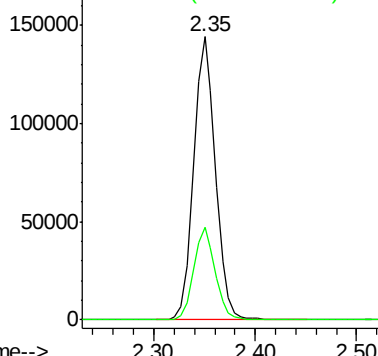
62 100

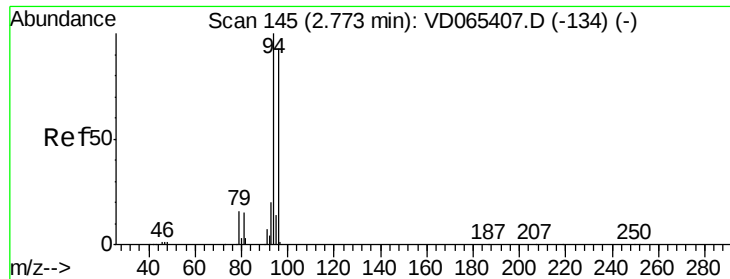
64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.469 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 140083

Ion Ratio Lower Upper

94 100

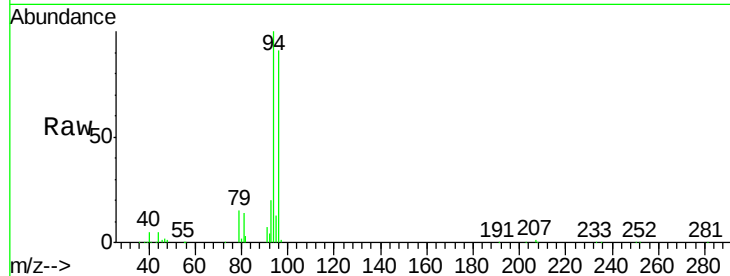
96 90.9 74.4 111.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

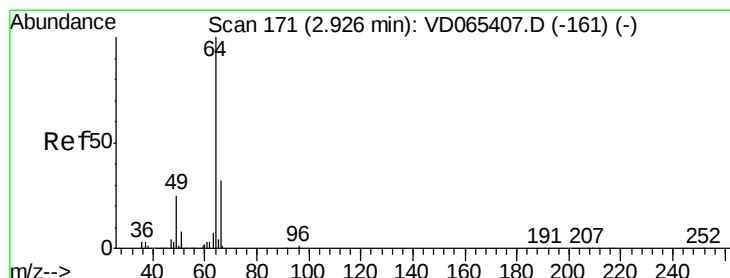
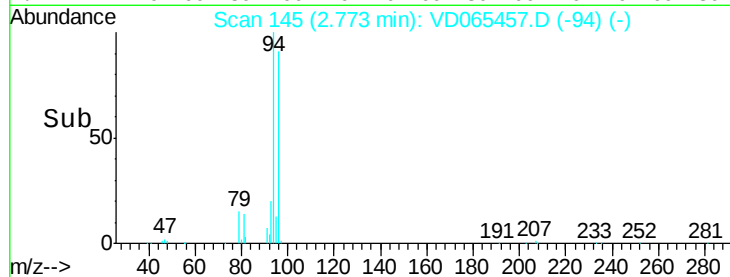
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Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 46.837 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065457.D

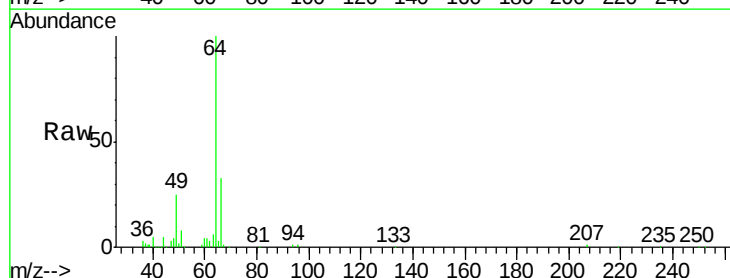
Acq: 09 Mar 2020 18:42

Tgt Ion: 64 Resp: 134962

Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

60000

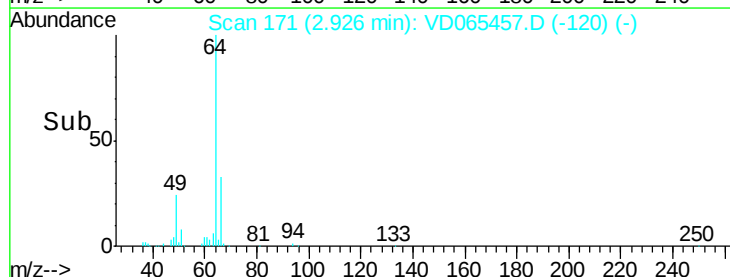
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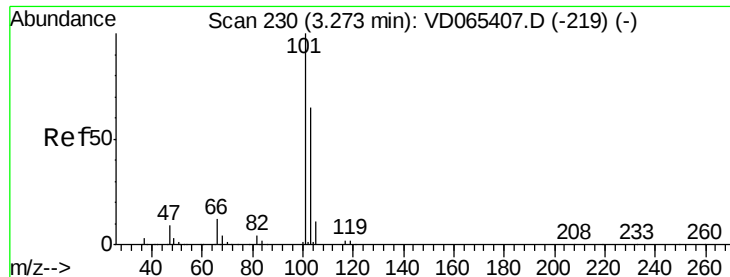
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Time-->

2.80 2.90 3.00





#7

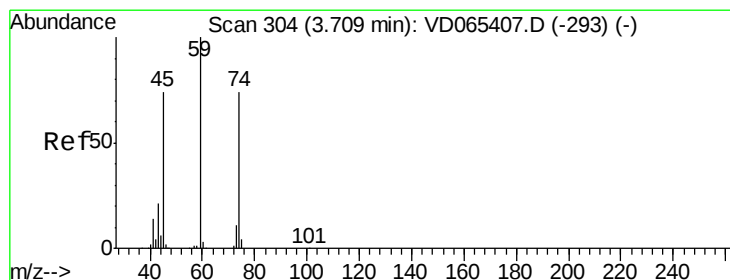
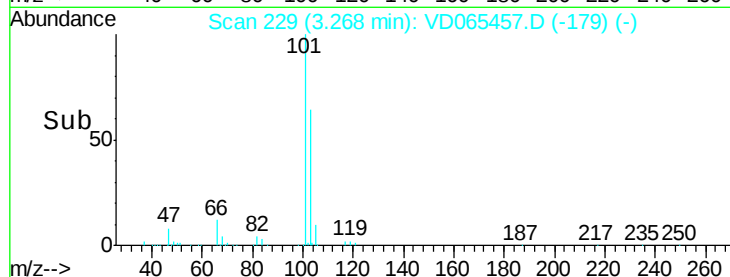
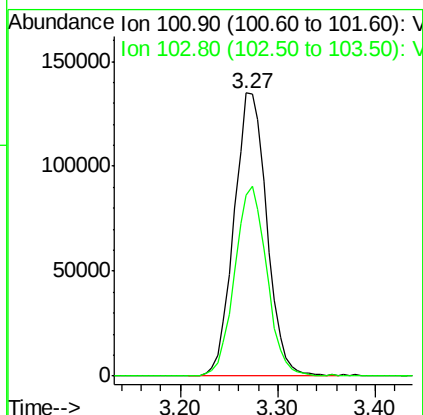
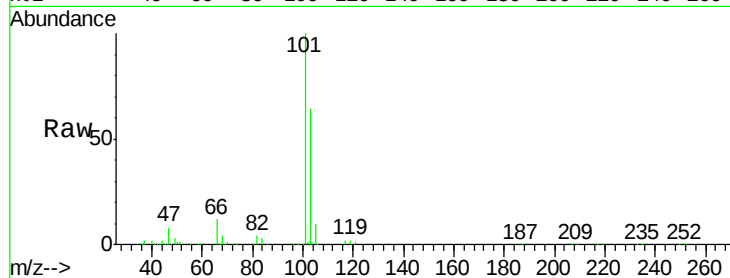
Trichlorofluoromethane
 Concen: 45.629 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

Manual Integrations
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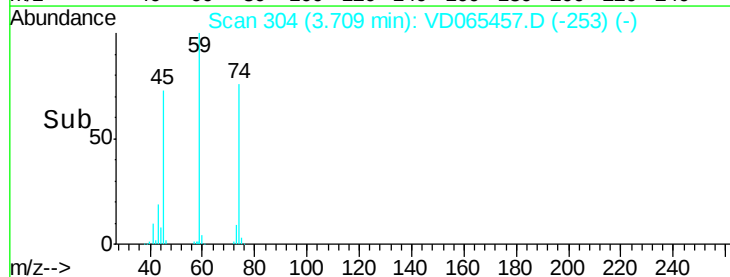
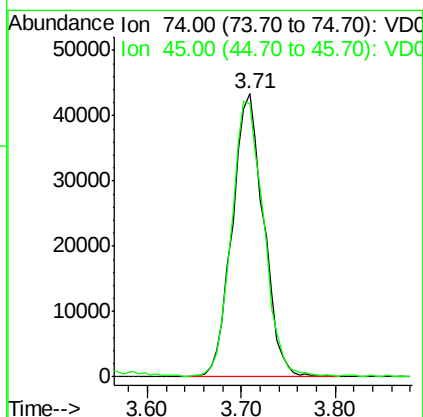
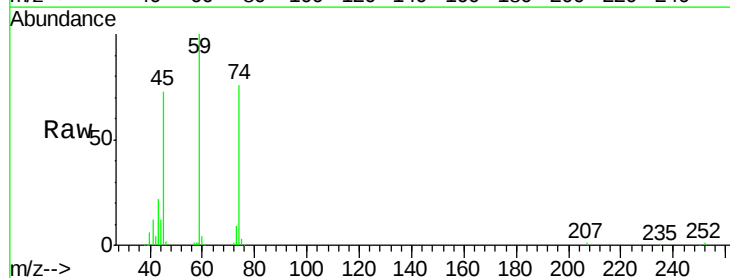
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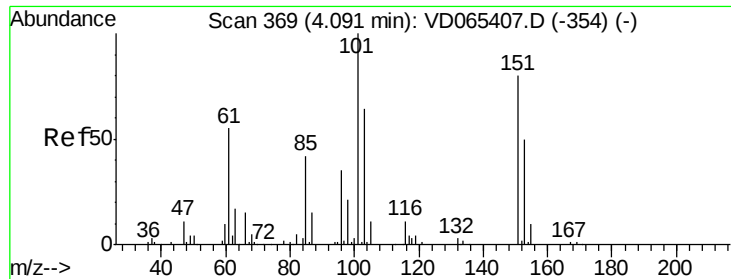


#8

Diethyl Ether
 Concen: 48.820 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065457.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.660 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065457.D

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MSVOA_D

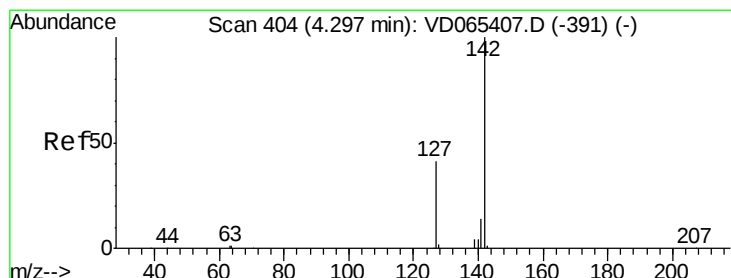
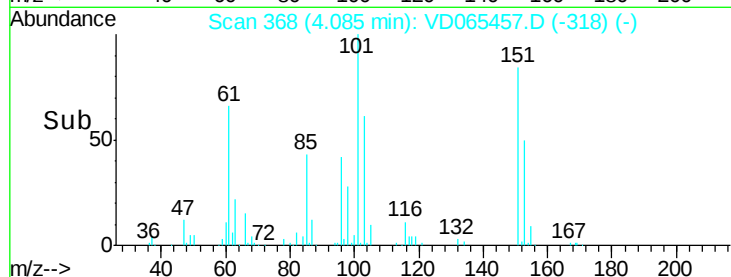
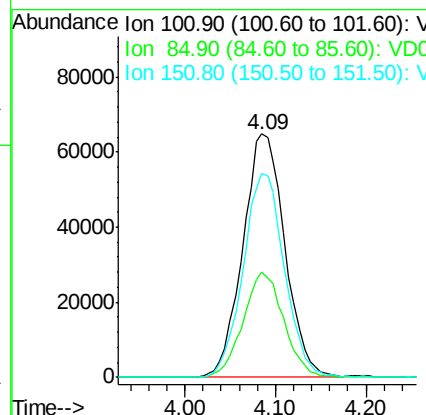
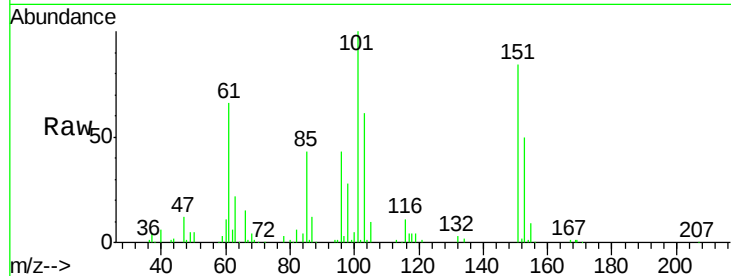
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	208331		
85	41.9	34.2	51.2	
151	82.3	65.1	97.7	

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#10

Methyl Iodide

Concen: 50.397 ug/l

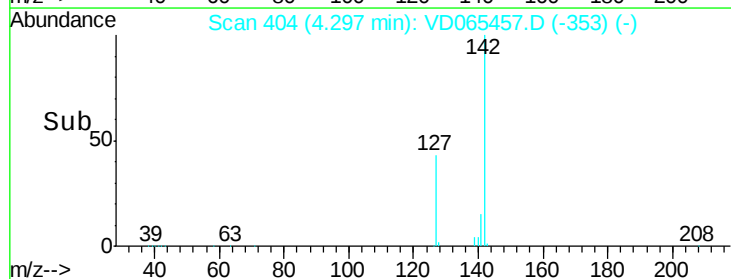
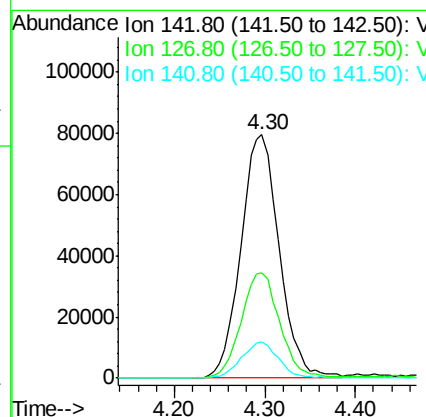
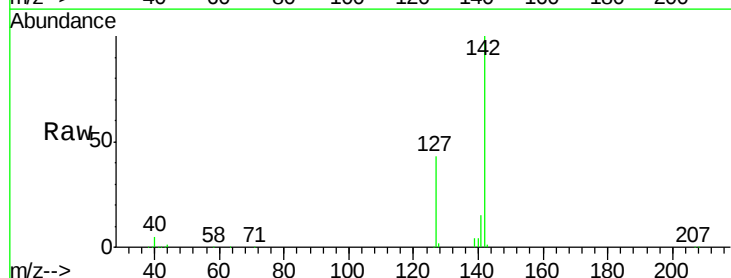
RT: 4.30 min Scan# 404

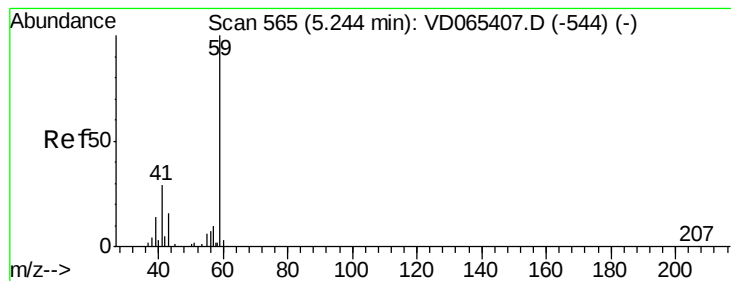
Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	233770		
127	44.1	35.0	52.6	
141	14.7	12.4	18.6	





#11

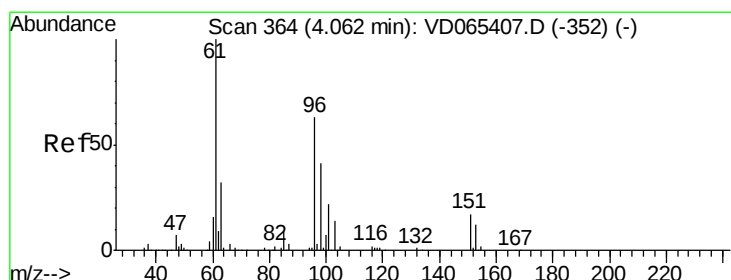
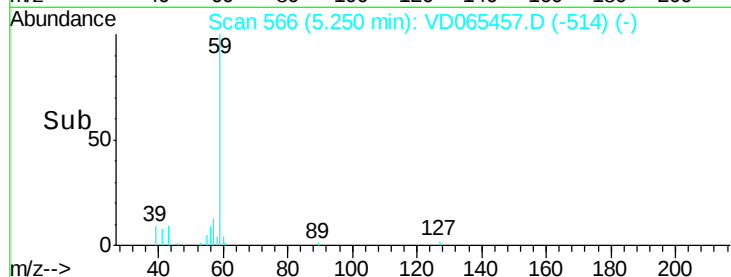
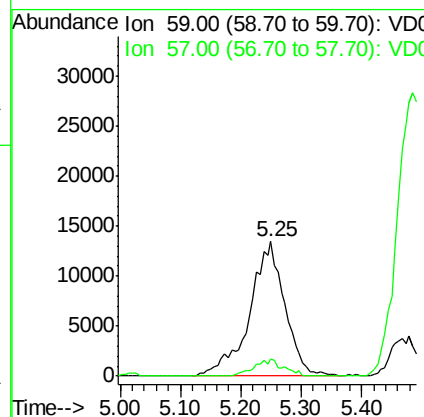
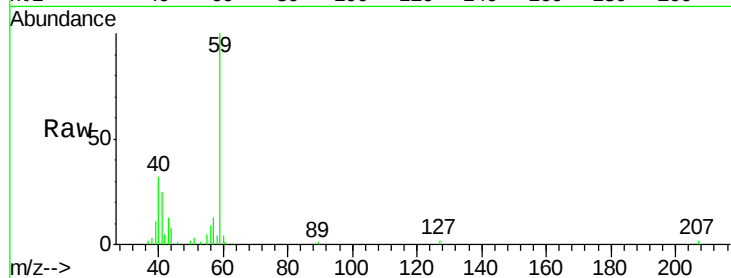
Tert butyl alcohol
Concen: 241.751 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	8.2	Resp:	54682	Lower	6.9	Upper	10.3
Ion											

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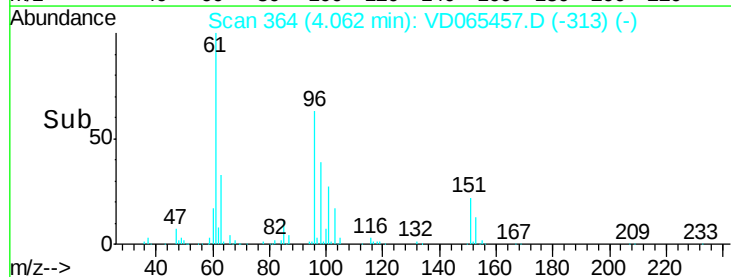
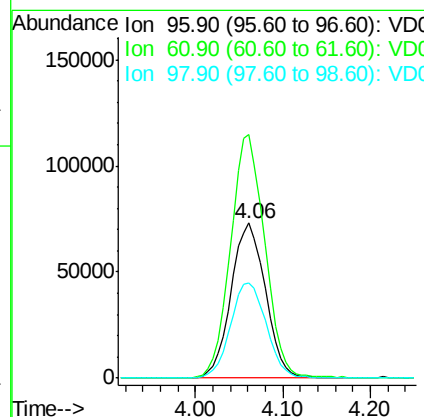
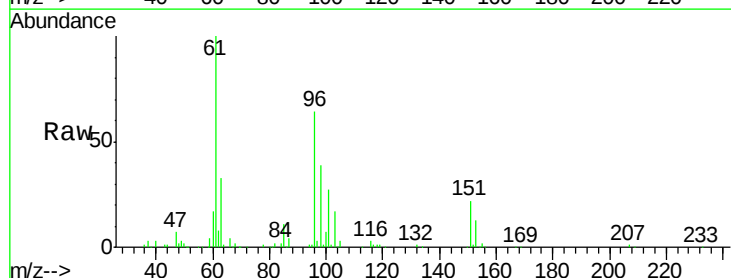
MMDadoda
3/10/2020 3:34:29 PM

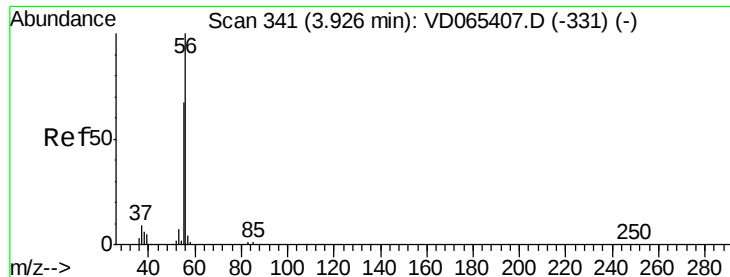


#12

1,1-Dichloroethene
Concen: 45.956 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	96	61	98	Ratio	100	157.0	61.7	Resp:	196479	Lower	128.0	51.9	Upper	192.0	77.9
Ion															





#13

Acrolein

Concen: 184.479 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71964

Ion Ratio Lower Upper

56 100

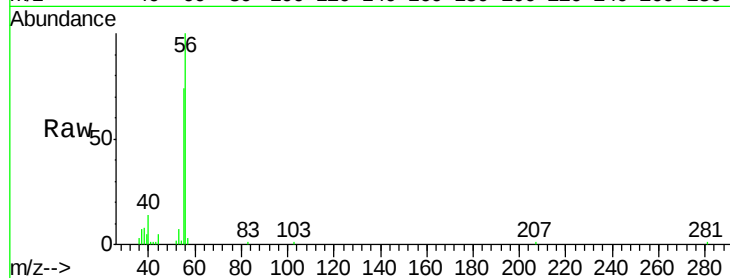
55 73.0 56.6 85.0

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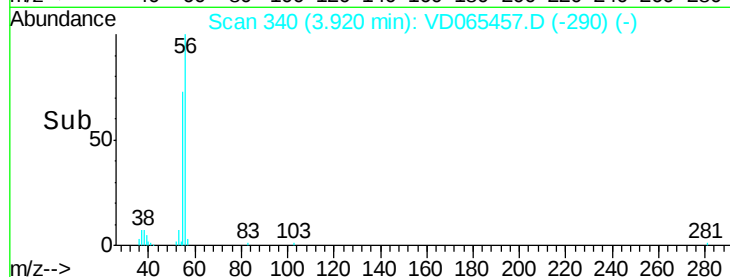


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



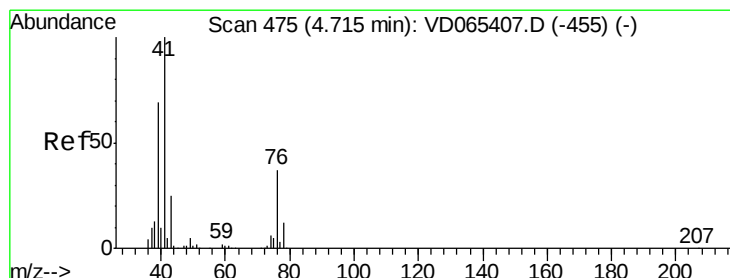
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



#14

Allyl chloride

Concen: 48.649 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

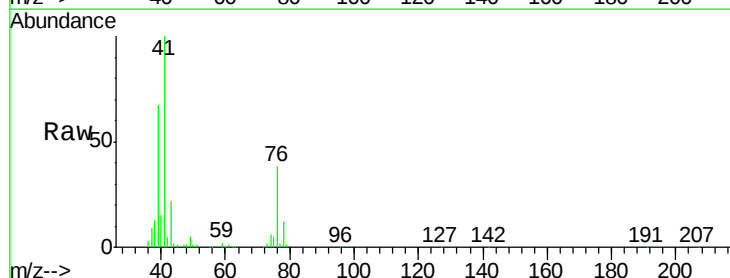
Tgt Ion: 41 Resp: 319515

Ion Ratio Lower Upper

41 100

39 65.0 52.6 79.0

76 37.6 29.2 43.8



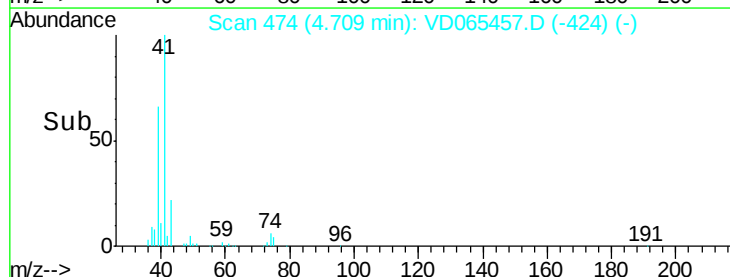
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

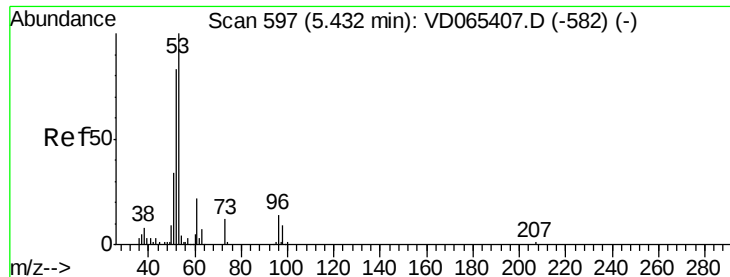
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



#15

Acrylonitrile

Concen: 247.623 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

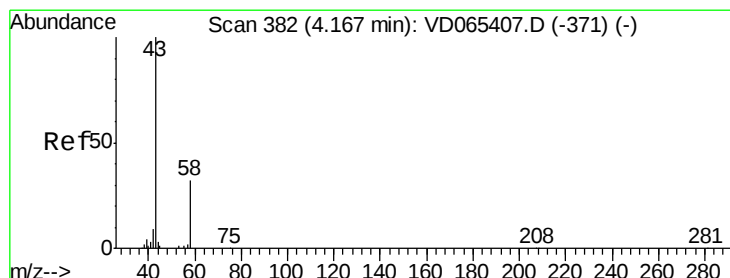
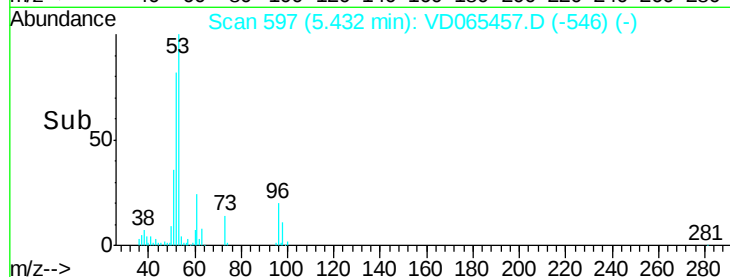
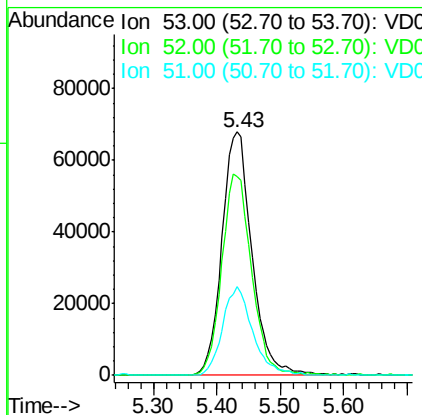
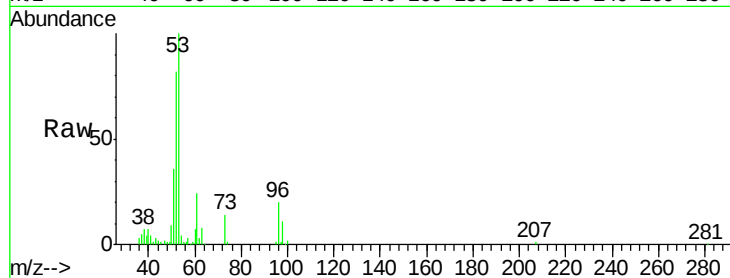
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	222089
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	36.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 213.192 ug/l

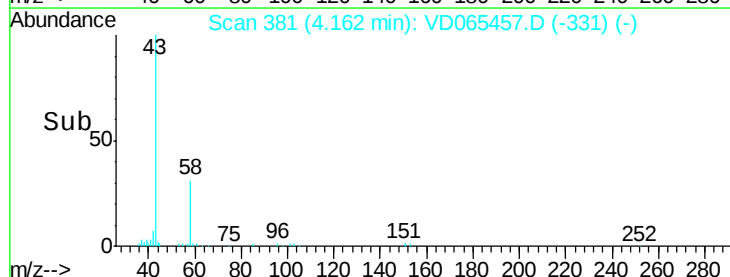
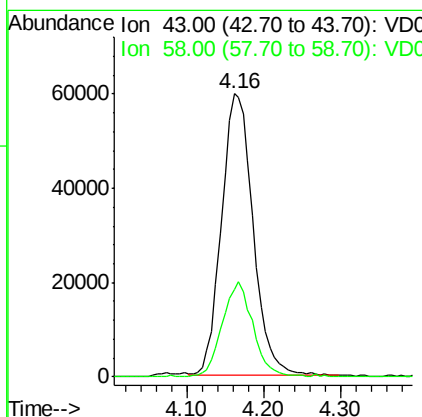
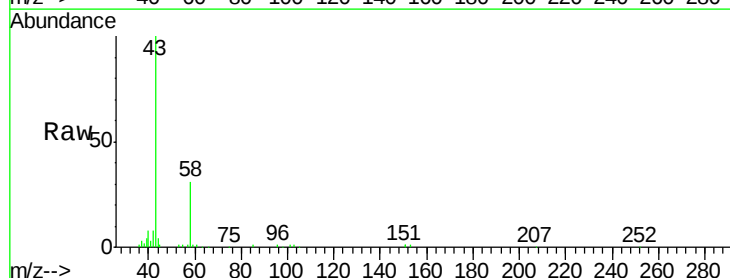
RT: 4.16 min Scan# 381

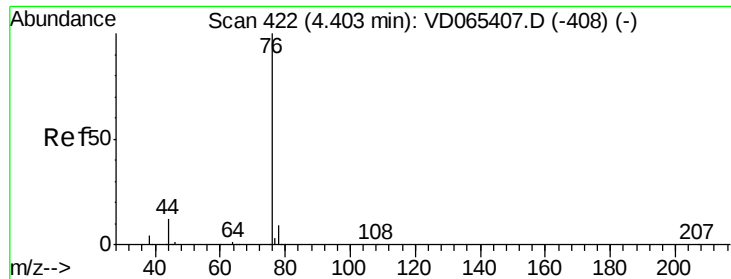
Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	43	Resp:	170023
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7





#17

Carbon Disulfide

Concen: 45.298 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 644939

Ion Ratio Lower Upper

76 100

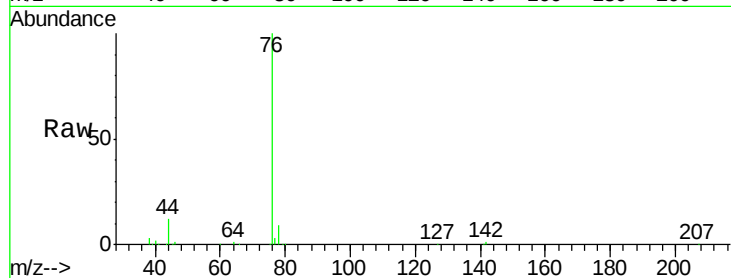
78 9.3 7.4 11.0

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

250000

200000

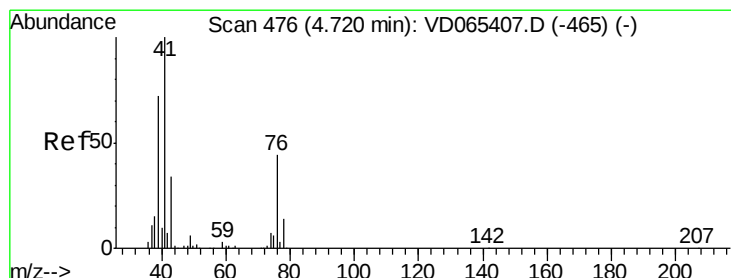
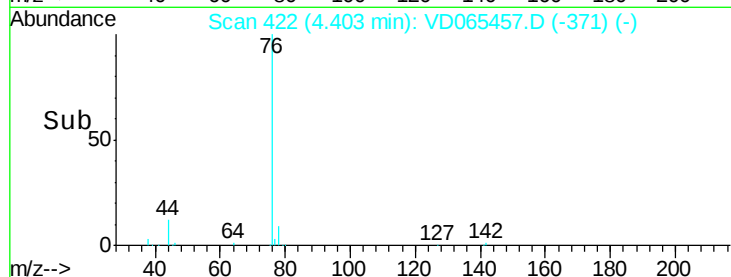
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.325 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065457.D

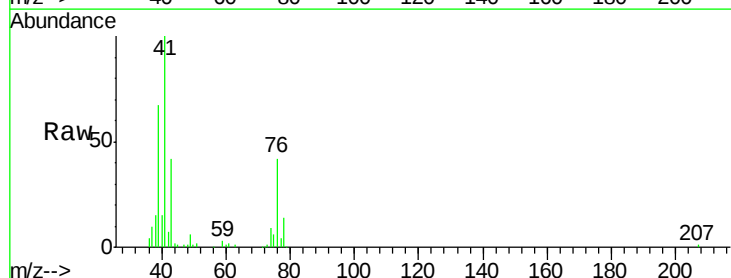
Acq: 09 Mar 2020 18:42

Tgt Ion: 43 Resp: 95739

Ion Ratio Lower Upper

43 100

74 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

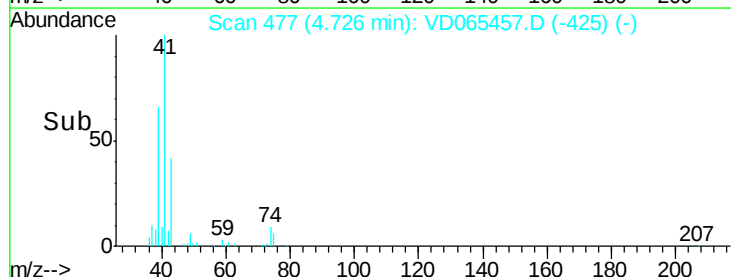
30000

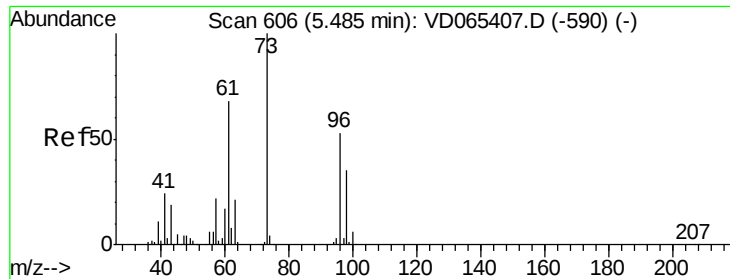
20000

10000

0

Time-->





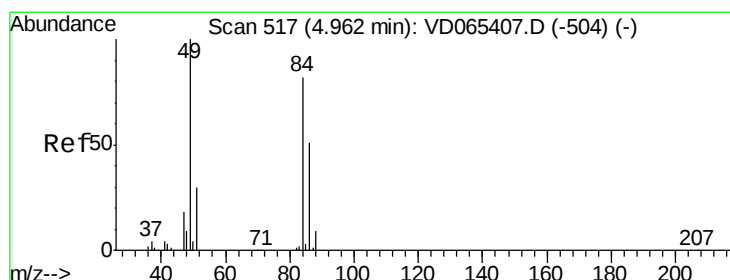
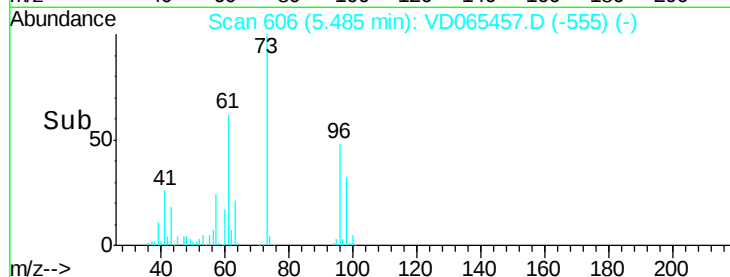
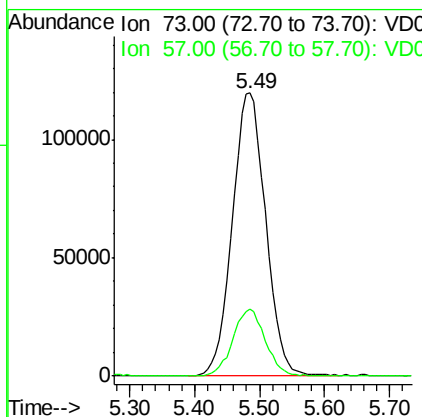
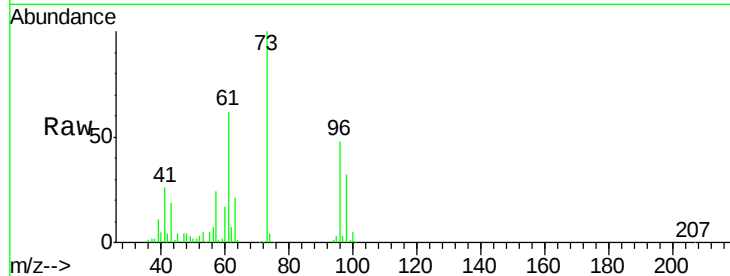
#19
Methvl tert-butvl Ether
Concen: 51.661 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 424743
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9

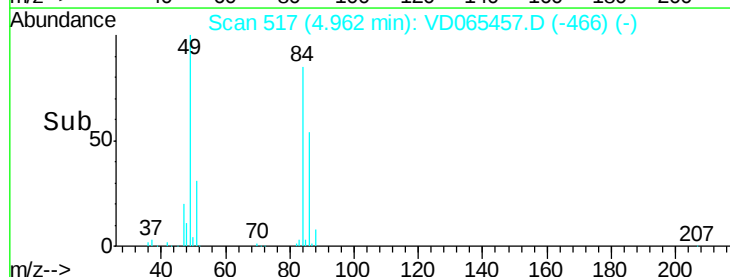
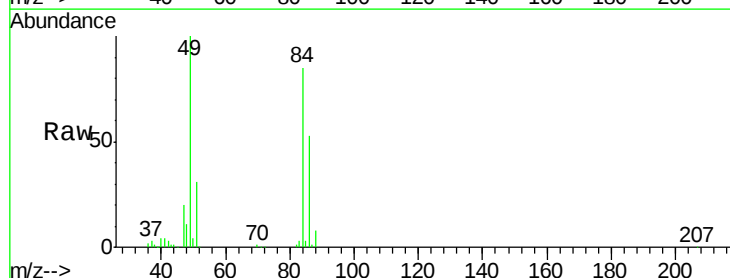
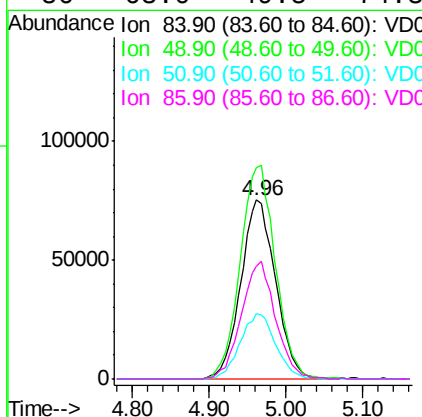
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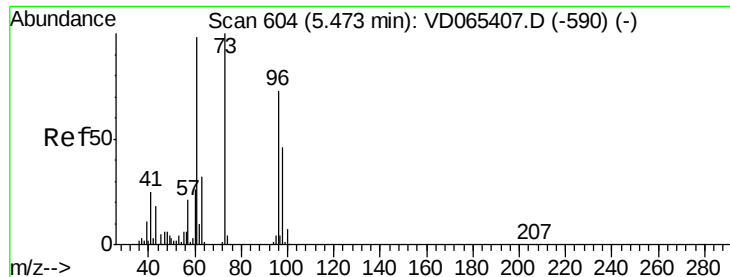
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#20
Methylene Chloride
Concen: 55.558 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 84 Resp: 238951
Ion Ratio Lower Upper
84 100
49 118.0 97.7 146.5
51 36.6 28.8 43.2
86 63.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.973 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

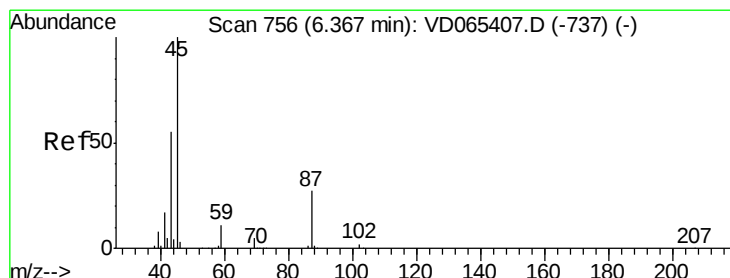
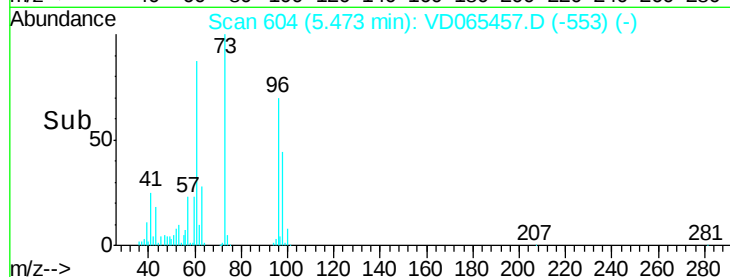
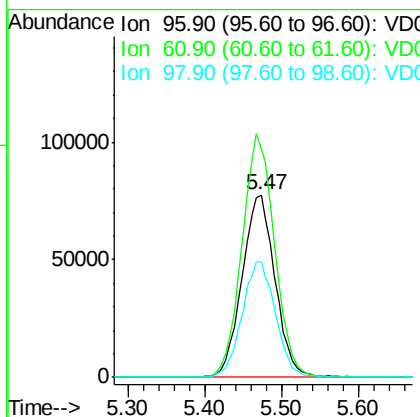
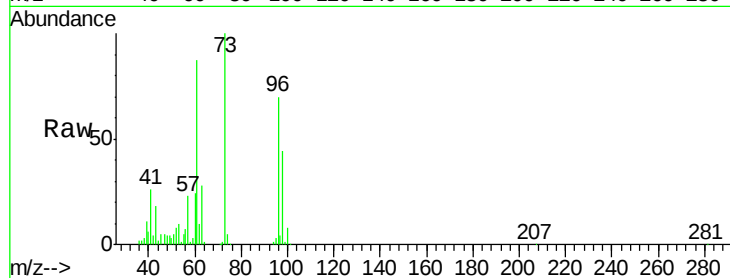
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	232914
Ion	Ratio	Lower	Upper
96	100		
61	125.0	106.3	159.5
98	63.4	50.2	75.4

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#22

Diisopropyl ether

Concen: 53.190 ug/l

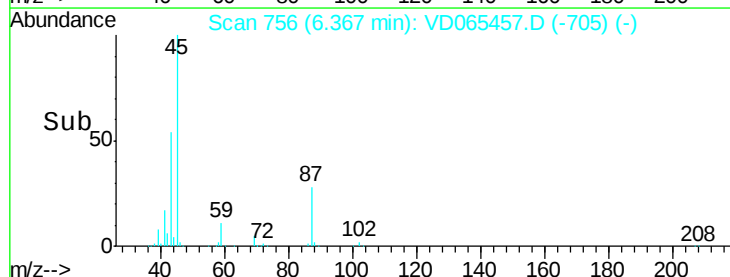
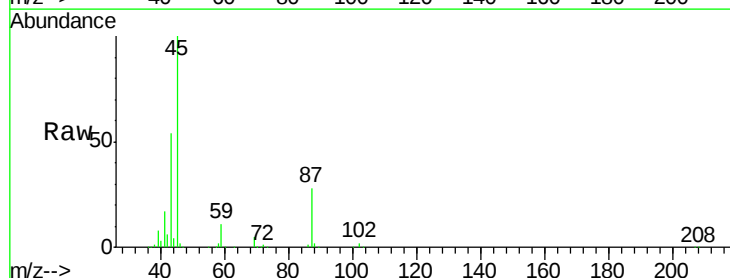
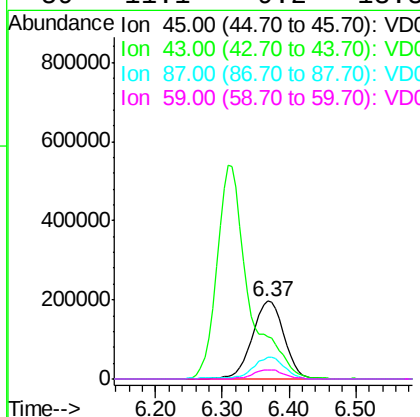
RT: 6.37 min Scan# 756

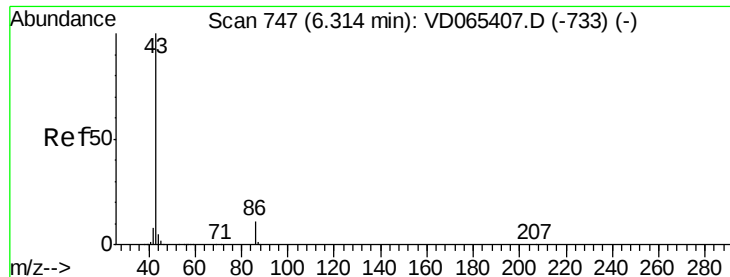
Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	45	Resp:	649397
Ion	Ratio	Lower	Upper
45	100		
43	53.7	44.4	66.6
87	27.8	21.9	32.9
59	11.1	9.2	13.8





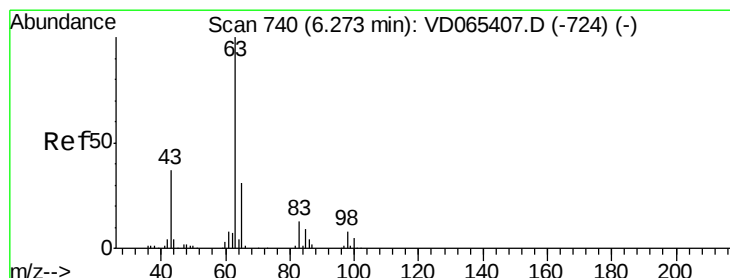
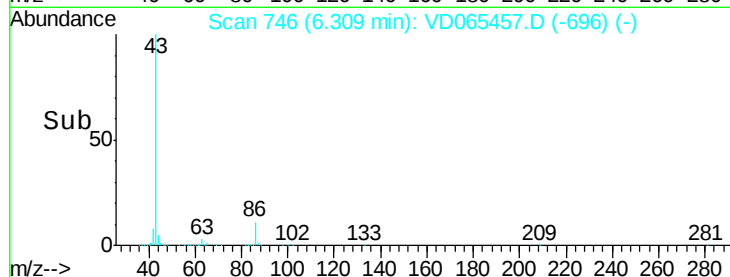
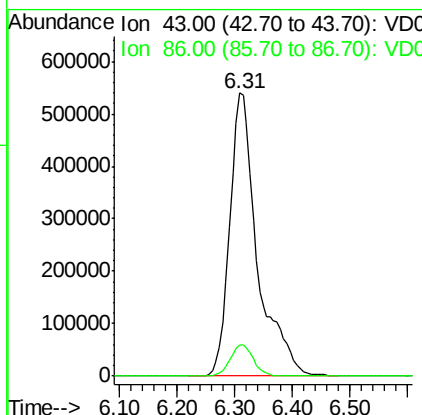
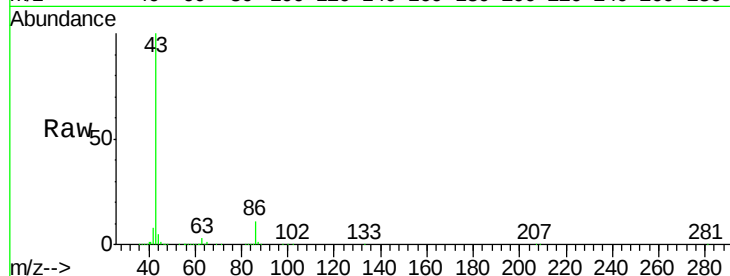
#23
 Vinyl Acetate
 Concen: 264.825 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1795257
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3

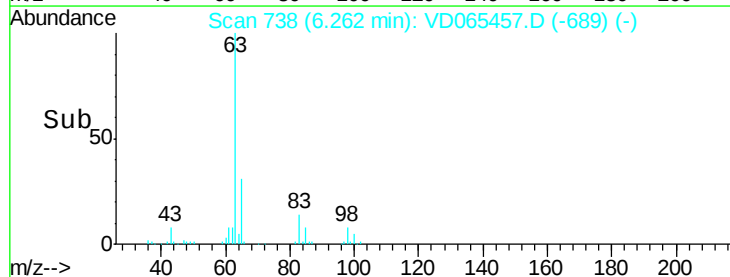
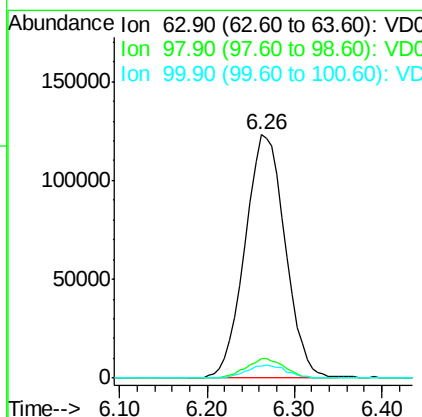
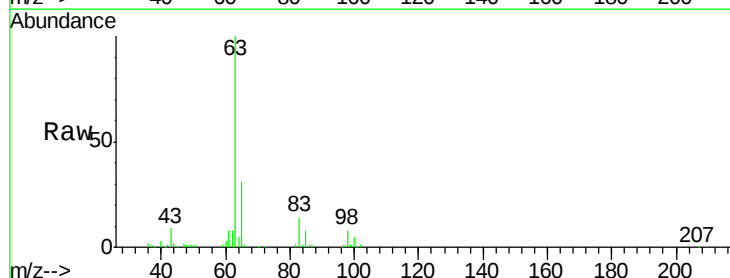
Manual Integrations
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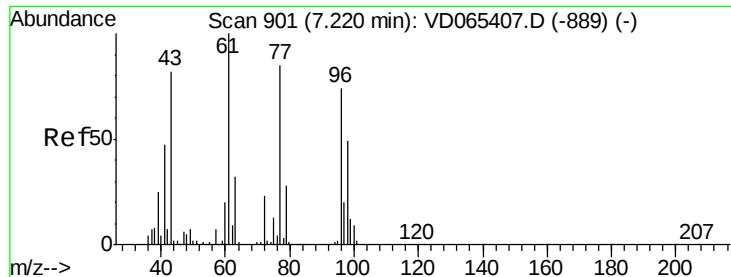
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#24
 1,1-Dichloroethane
 Concen: 49.341 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion: 63 Resp: 386393
 Ion Ratio Lower Upper
 63 100
 98 7.9 4.2 12.6
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 237.525 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 258505

Ion Ratio Lower Upper

43 100

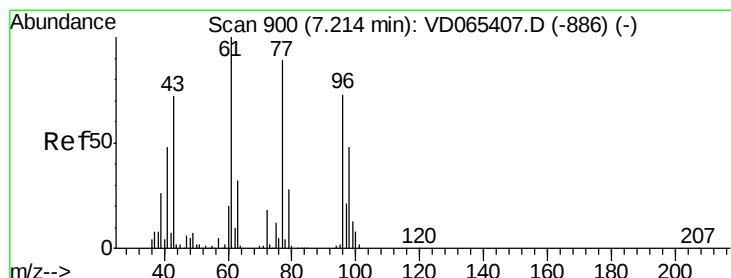
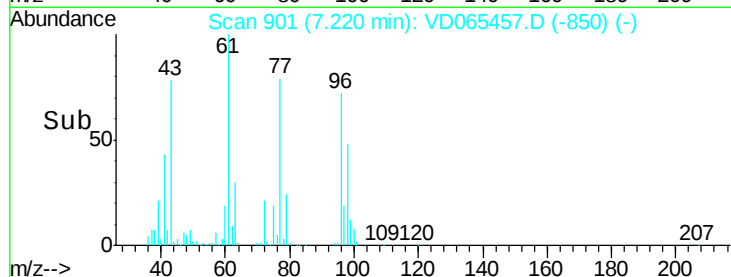
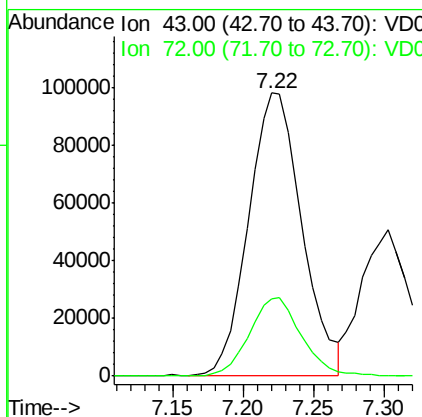
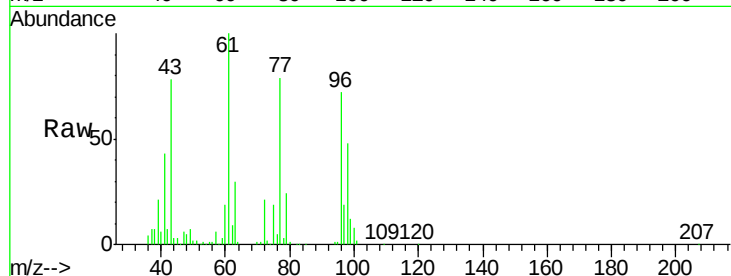
72 27.4 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.226 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065457.D

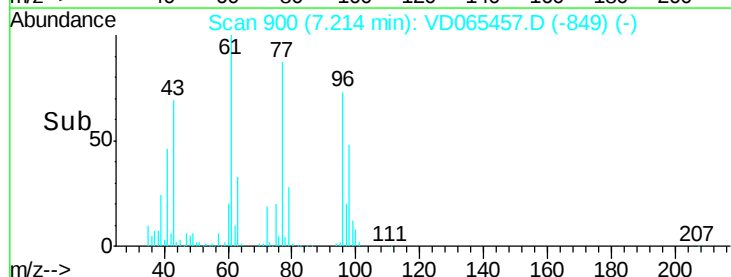
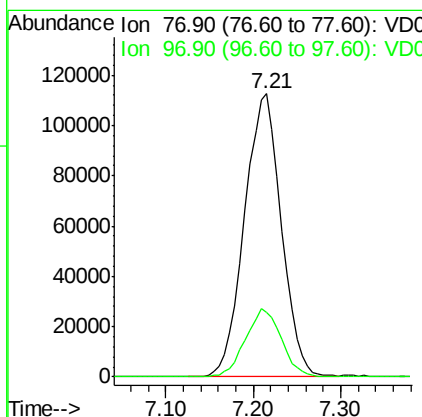
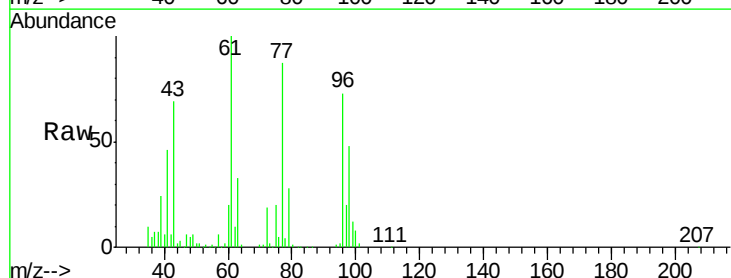
Acq: 09 Mar 2020 18:42

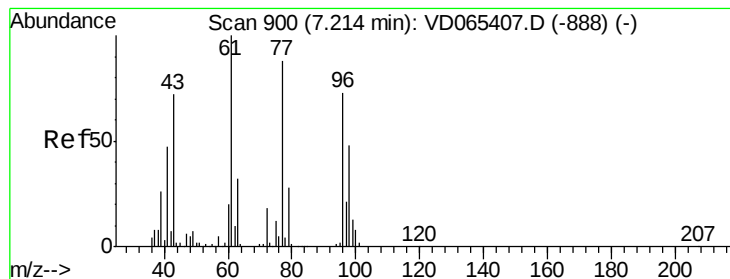
Tgt Ion: 77 Resp: 323187

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 51.158 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

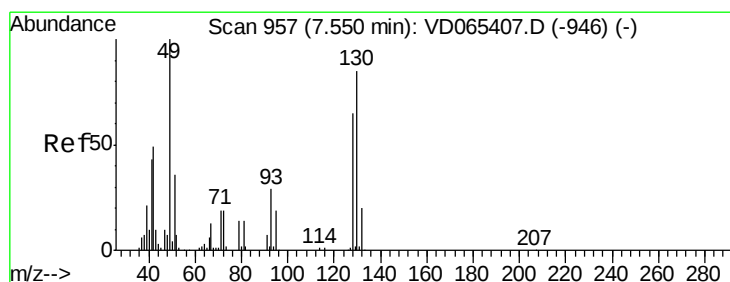
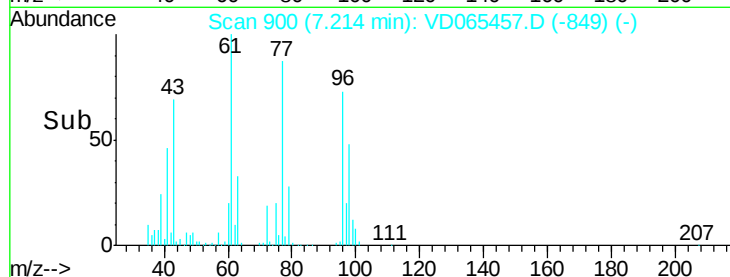
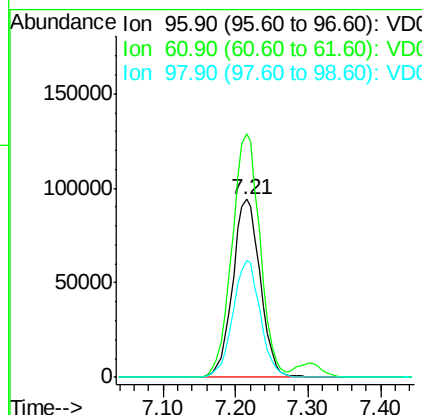
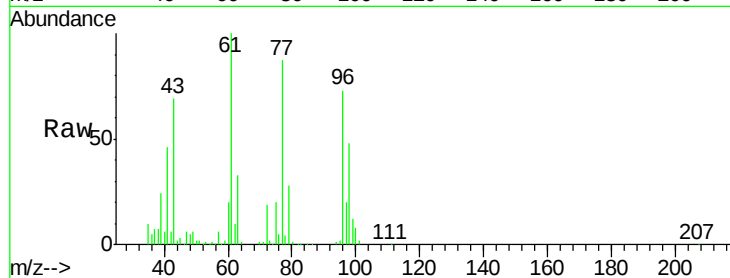
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	248694
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.4
98	65.2	0.0	132.6

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#28

Bromochloromethane

Concen: 52.798 ug/l

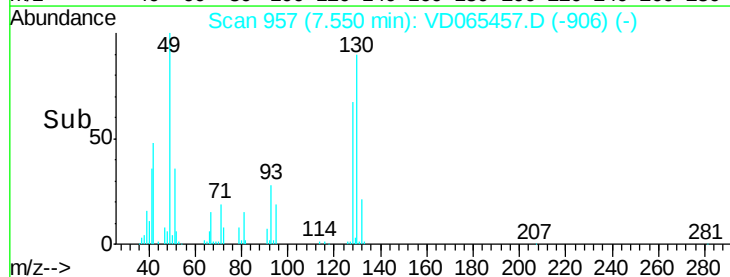
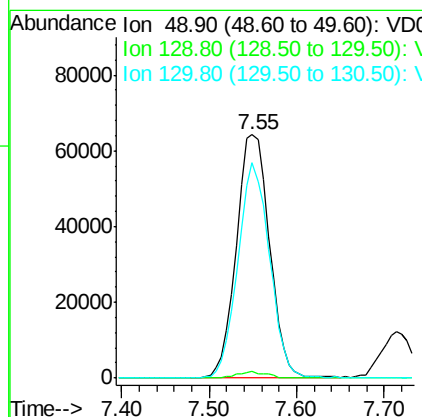
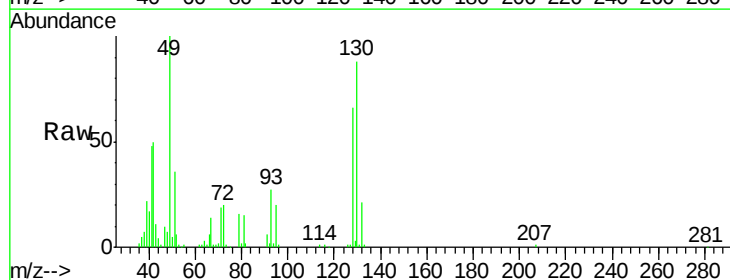
RT: 7.55 min Scan# 957

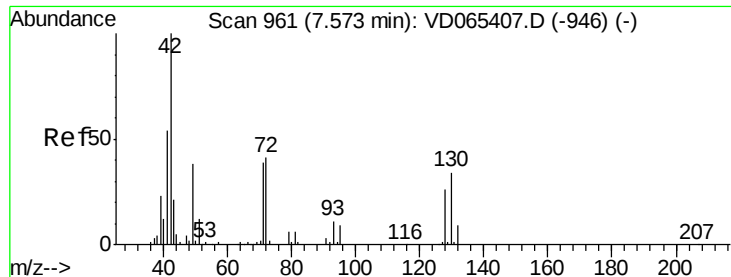
Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	49	Resp:	165420
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	84.2	66.6	100.0





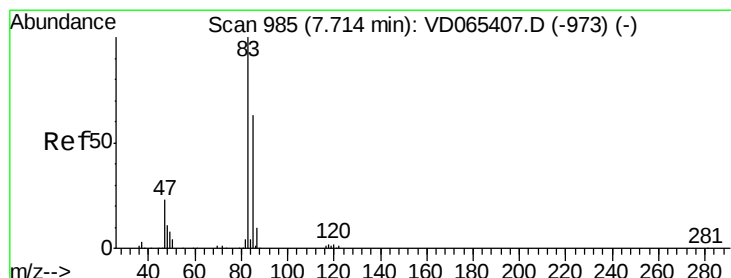
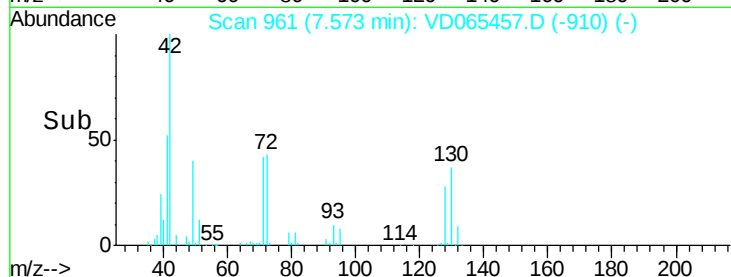
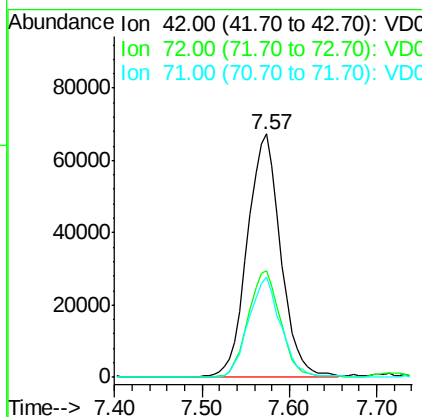
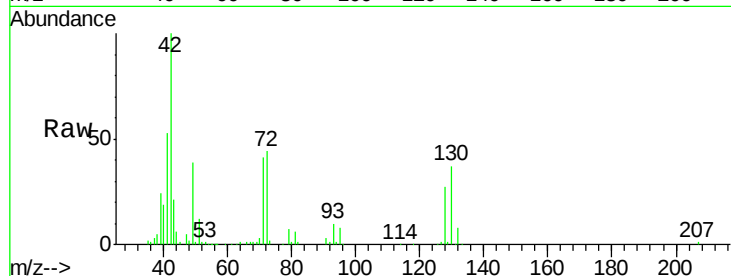
#29
Tetrahydrofuran
Concen: 251.883 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.0	49.6
71	39.7	32.0	48.0

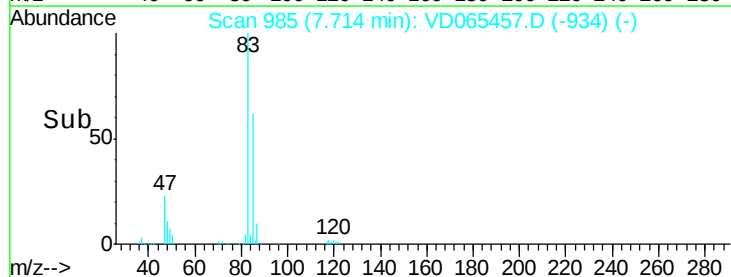
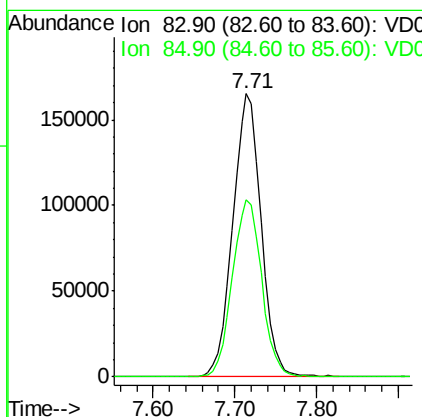
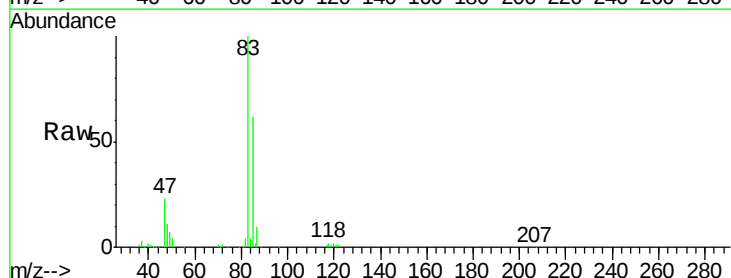
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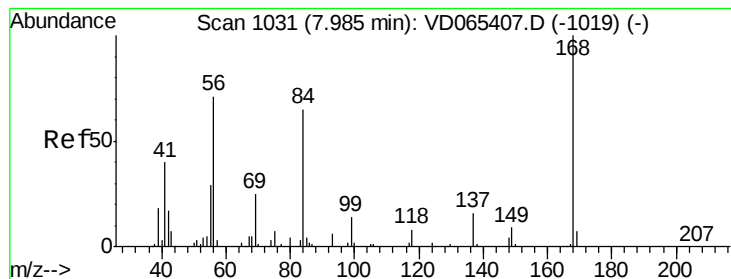
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#30
Chloroform
Concen: 50.773 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.3	75.5





#31

Cyclohexane

Concen: 45.524 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

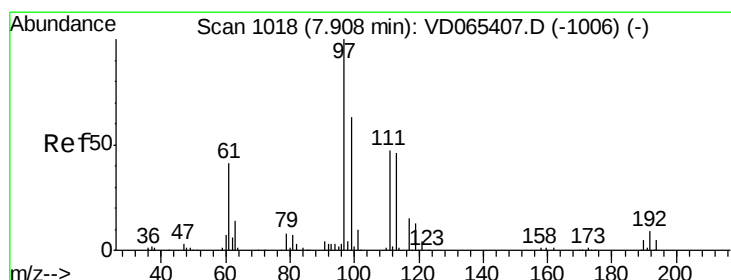
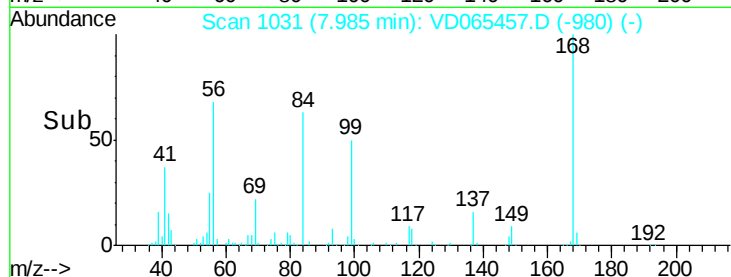
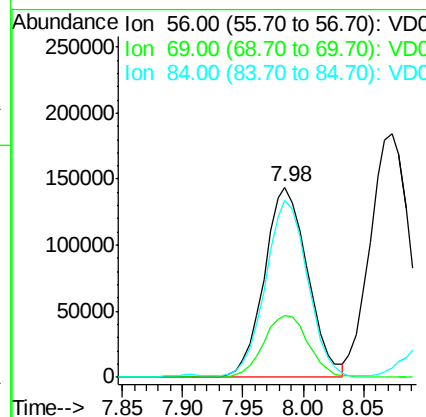
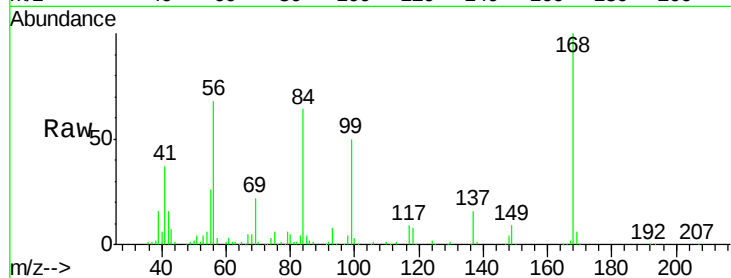
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	356472
Ion Ratio	Lower	Upper	
56	100		
69	32.6	28.3	42.5
84	91.5	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.304 ug/l

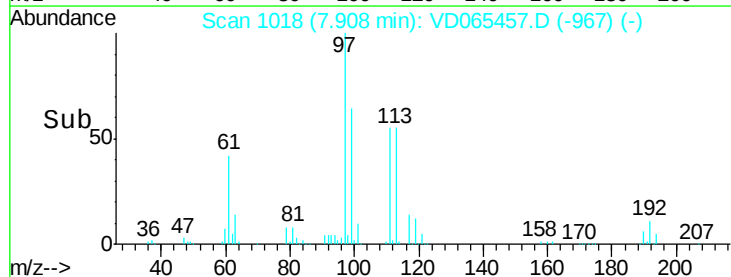
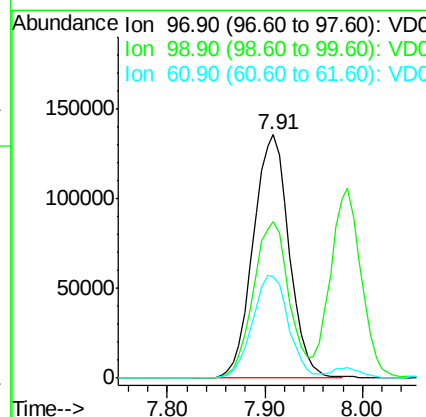
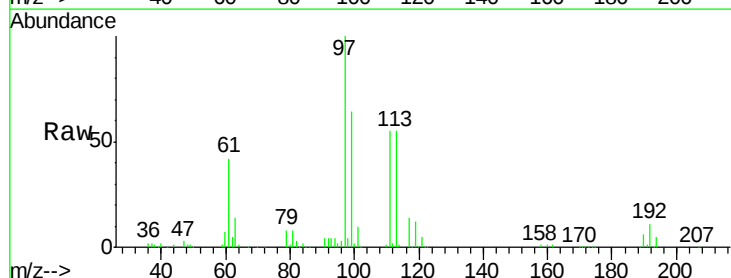
RT: 7.91 min Scan# 1018

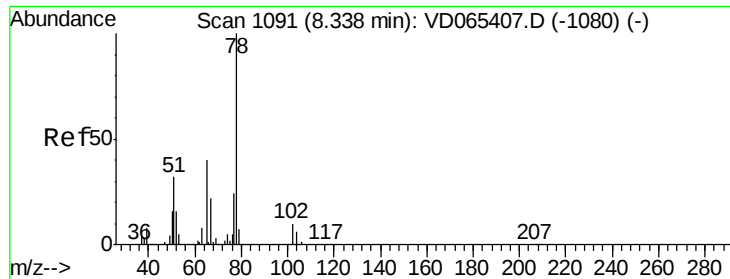
Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	97	Resp:	349399
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.9	76.3
61	42.3	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 52.219 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 205920

Ion Ratio Lower Upper

65 100

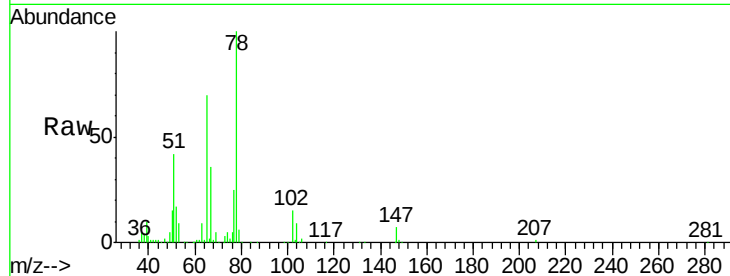
67 53.7 0.0 108.0

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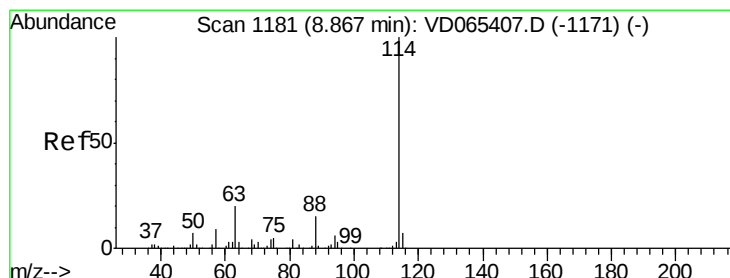
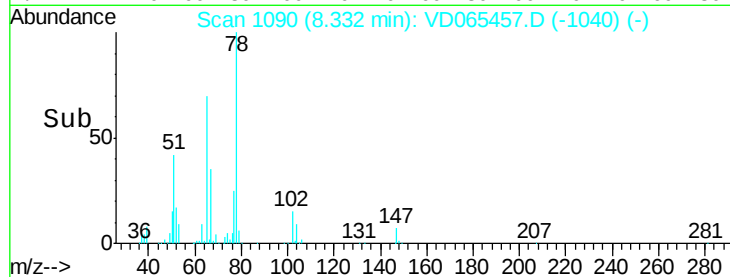
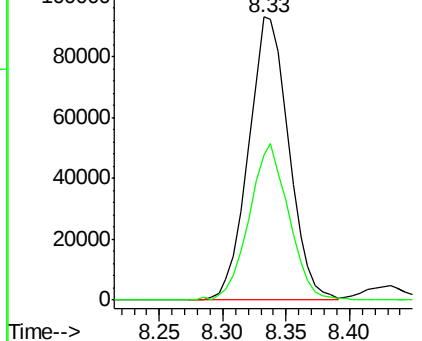
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

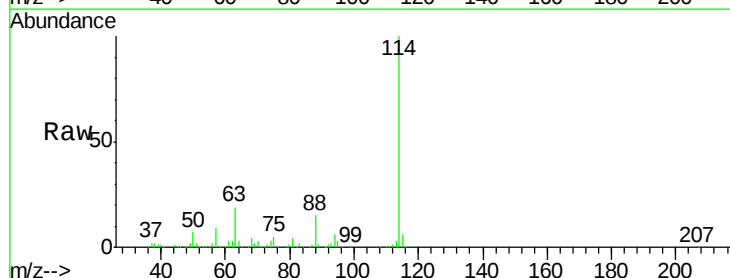
Tgt Ion:114 Resp: 675685

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

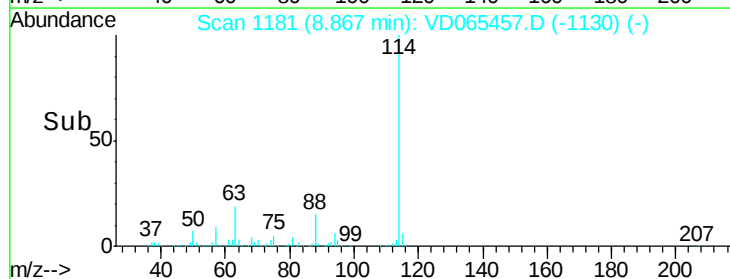
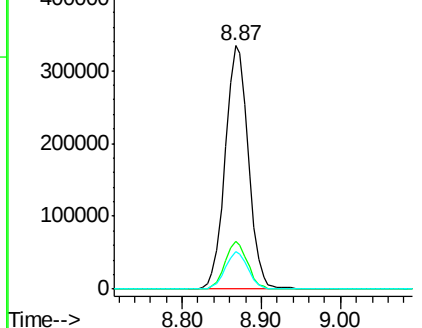
88 15.4 0.0 30.4

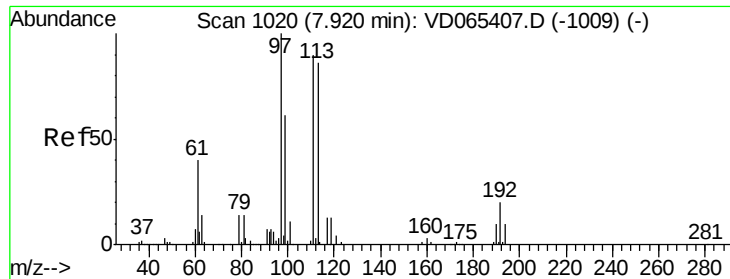


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





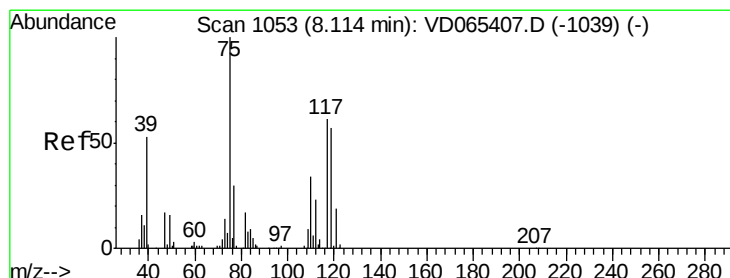
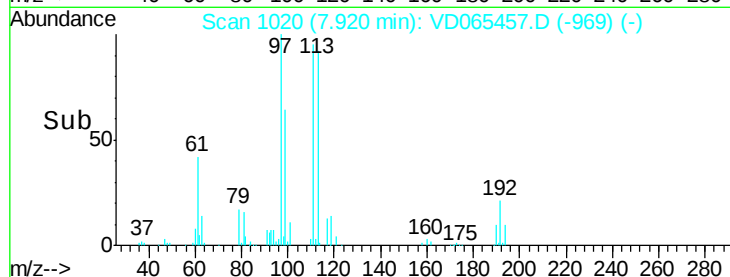
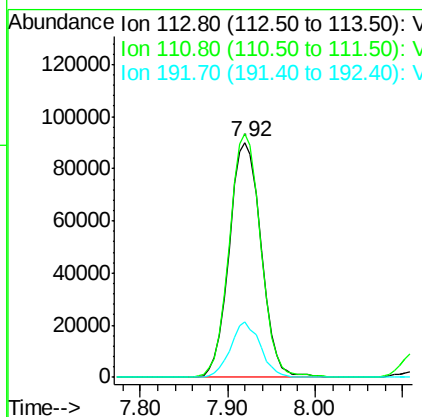
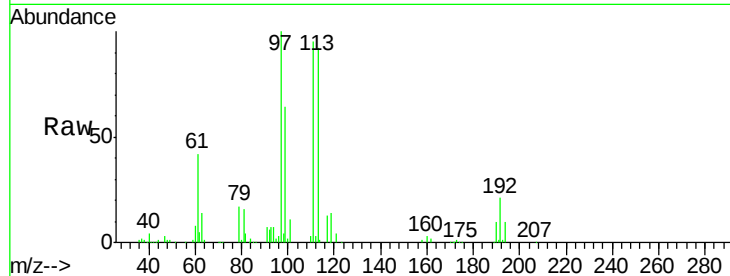
#35
 Dibromofluoromethane
 Concen: 53.311 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	22.0	17.2	25.8

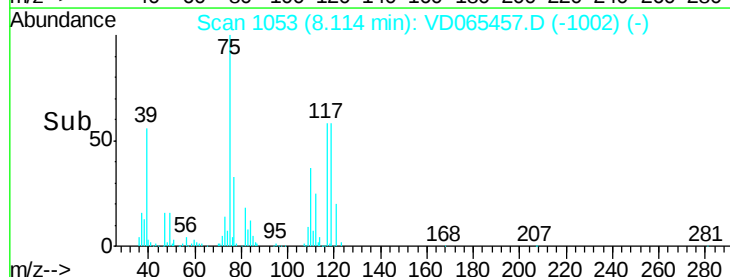
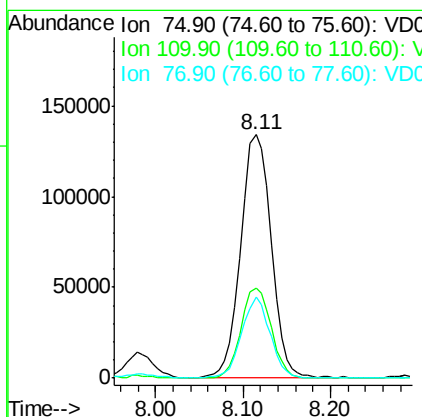
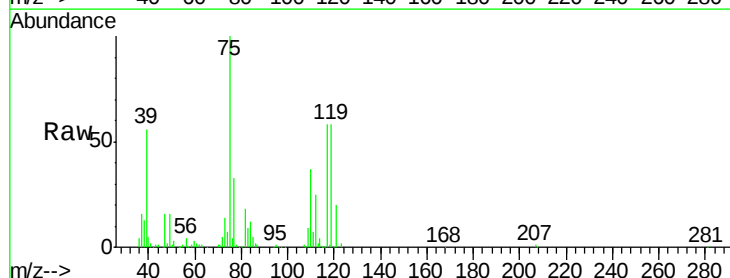
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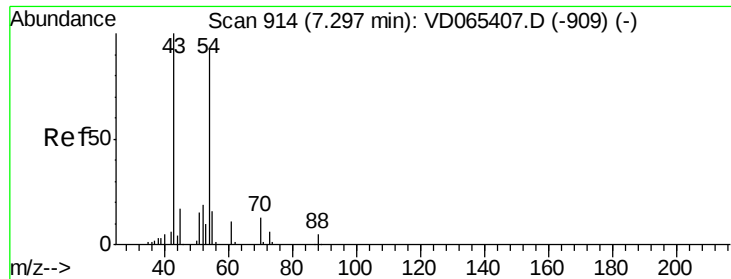
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#36
 1,1-Dichloropropene
 Concen: 49.071 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.1
77	31.3	25.2	37.8





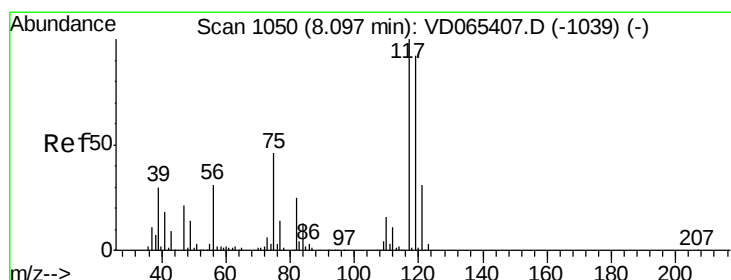
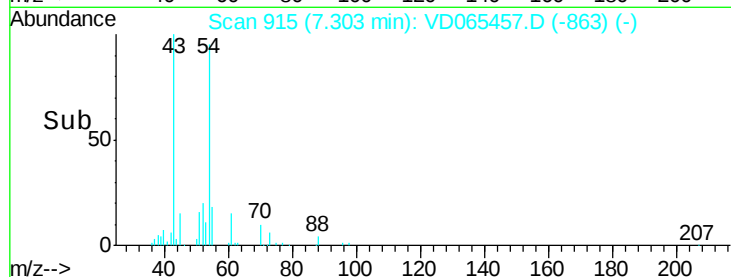
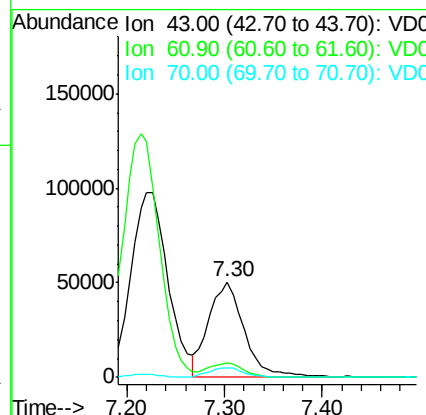
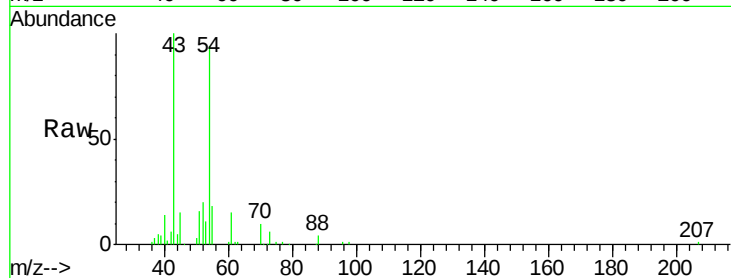
#37
Ethyl Acetate
Concen: 49.886 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	10.5	9.0	13.4

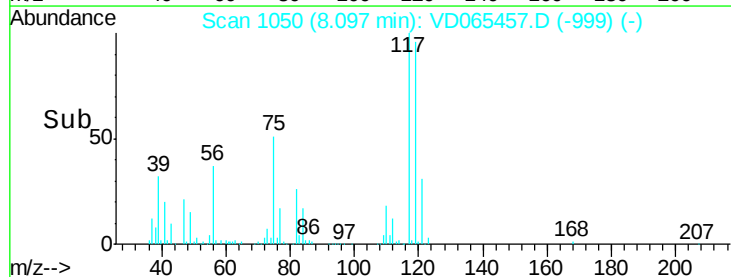
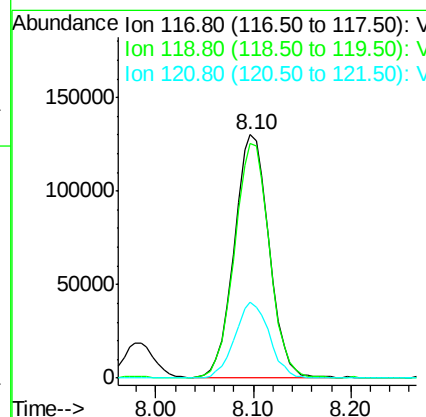
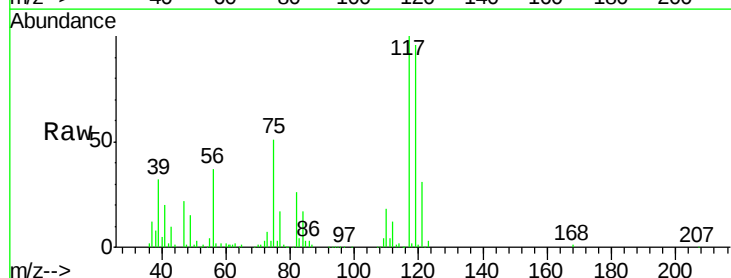
Manual Integrations
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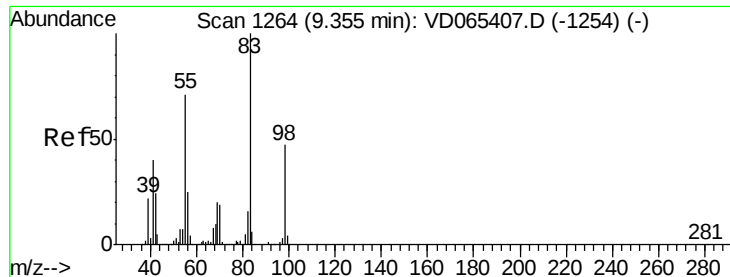
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#38
Carbon Tetrachloride
Concen: 47.819 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.3	109.9
121	31.3	25.0	37.4





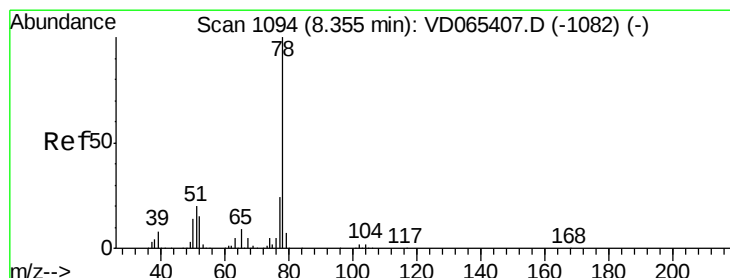
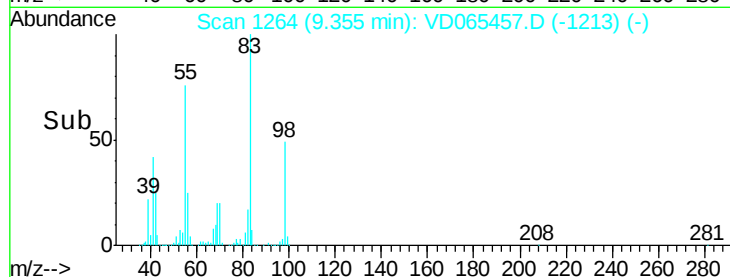
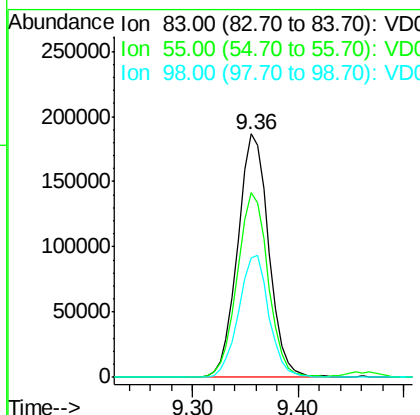
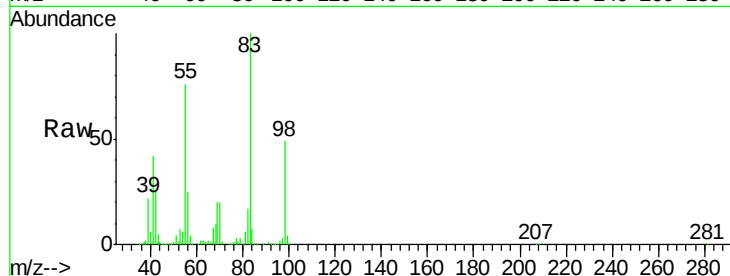
#39
Methylvlcyclohexane
Concen: 48.720 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	57.1	85.7
98	49.2	37.8	56.8

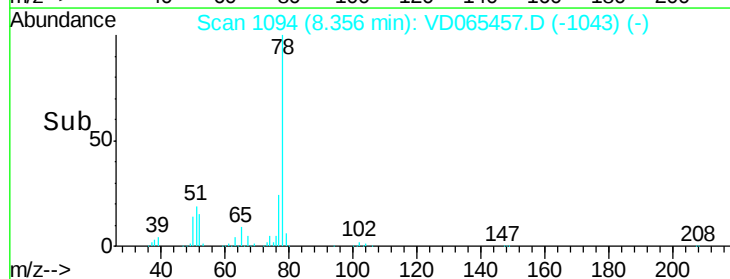
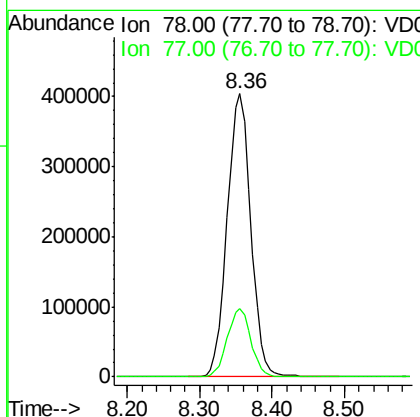
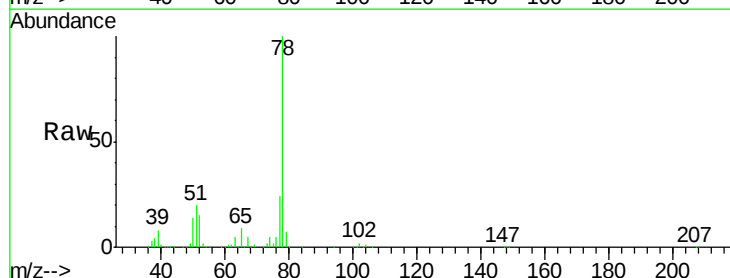
Manual Integrations
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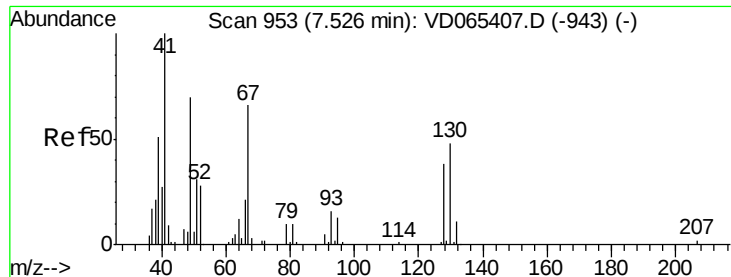
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#40
Benzene
Concen: 50.571 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





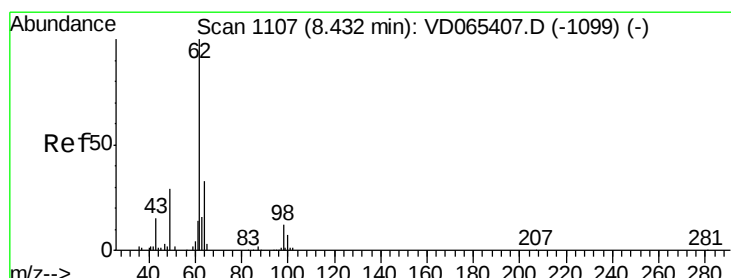
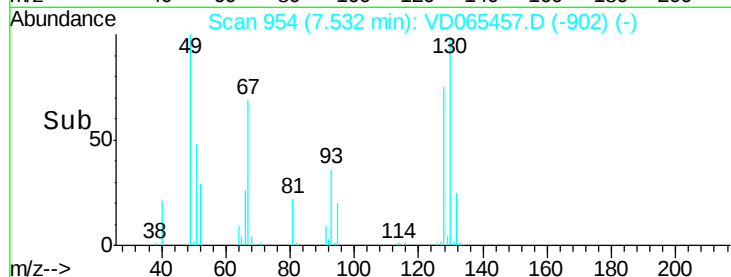
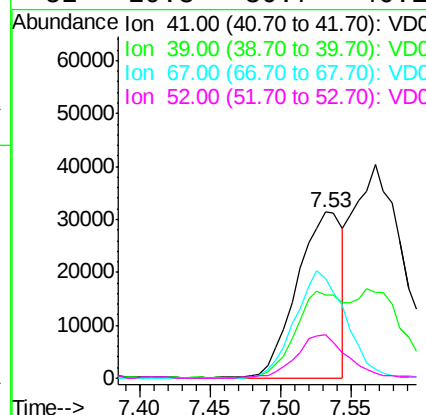
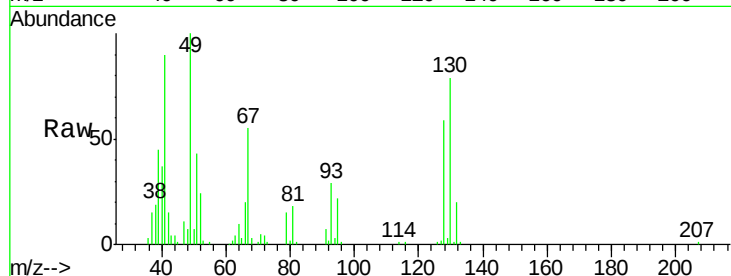
#41
Methacrylonitrile
Concen: 53.290 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	55.0	82.6
67	72.5	70.3	105.5
52	29.3	30.7	46.1#

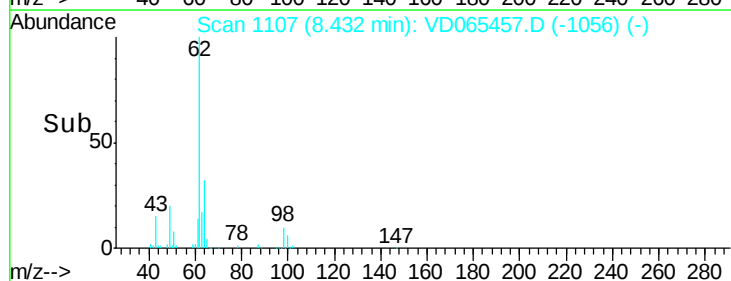
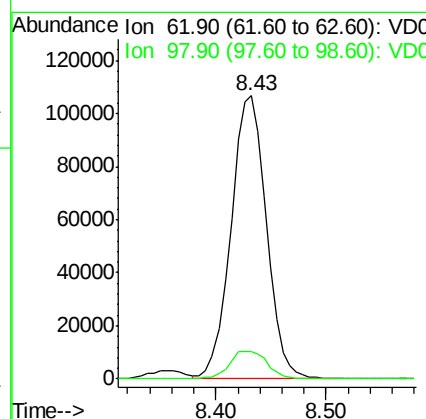
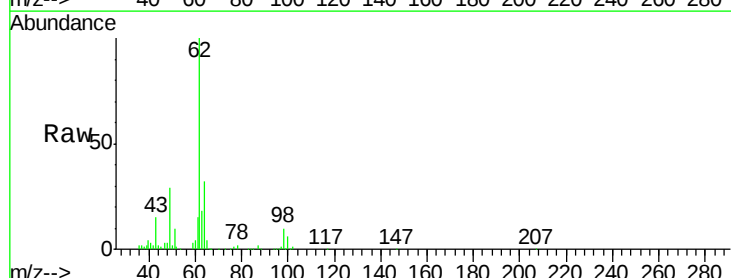
Manual Integrations
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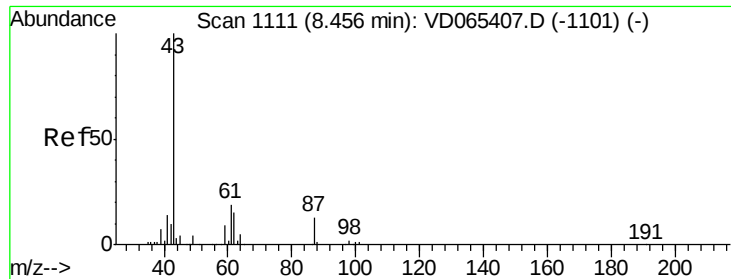
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#42
1,2-Dichloroethane
Concen: 50.384 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





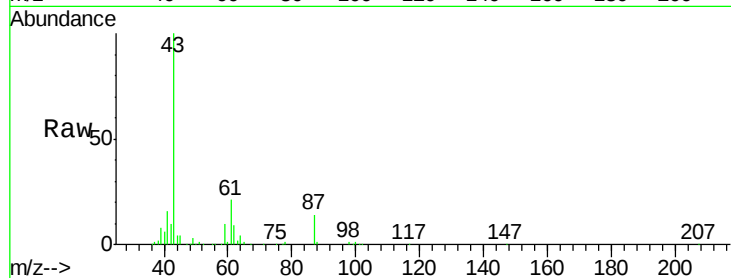
#43
Isopropyl Acetate
Concen: 49.677 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

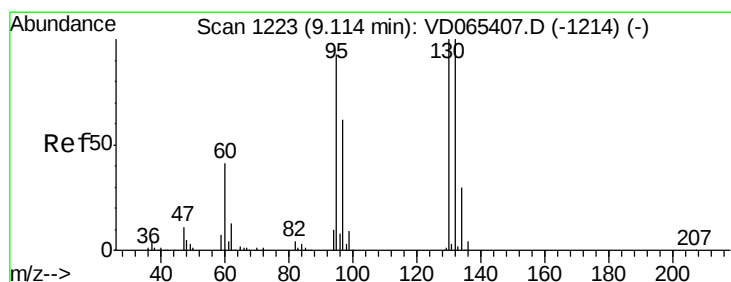
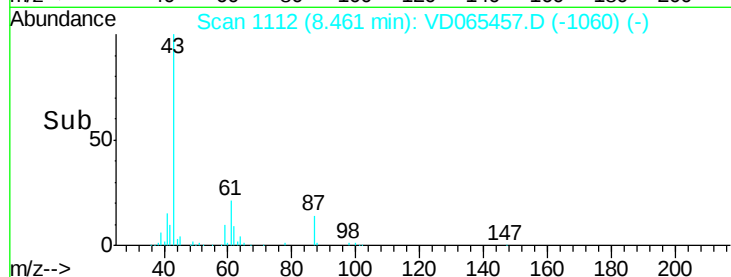
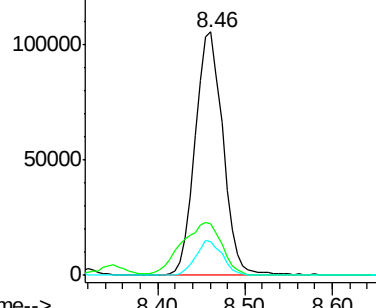
Tot Ion	Ratio	Resp	Lower	Upper
43	100	229628		
61	31.7		25.0	37.6
87	13.7		11.0	16.4

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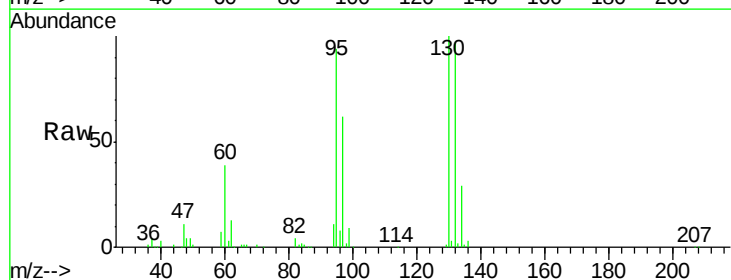


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

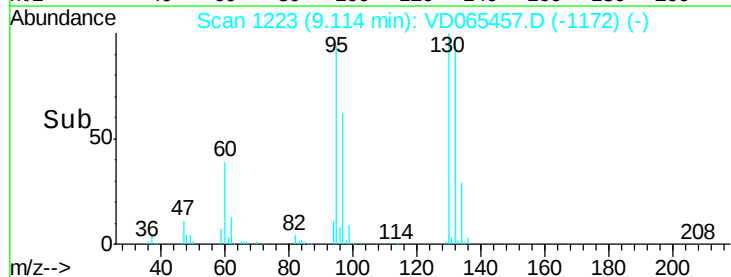
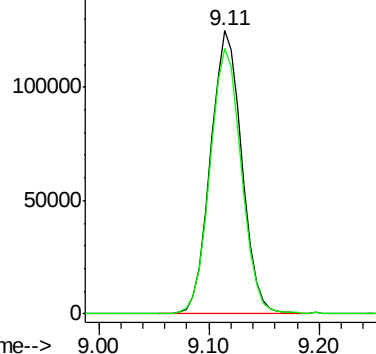


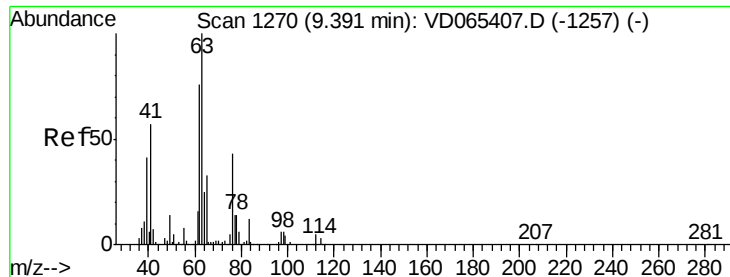
#44
Trichloroethene
Concen: 48.672 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	248915		
95	93.7		0.0	186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





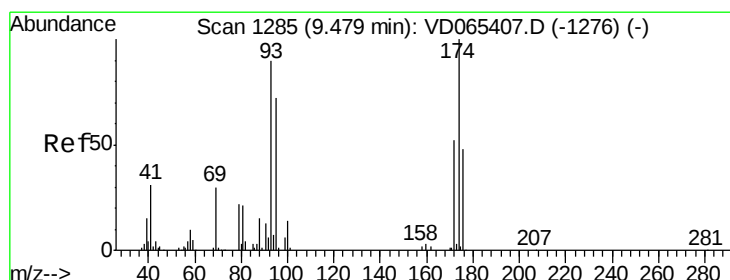
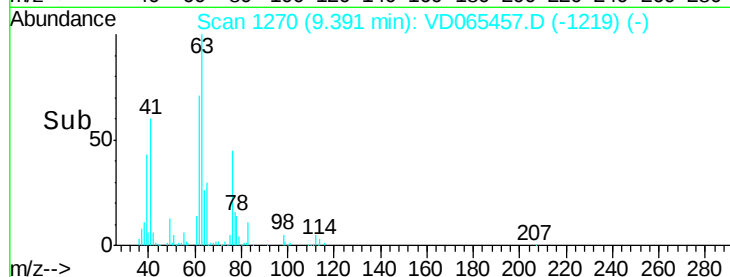
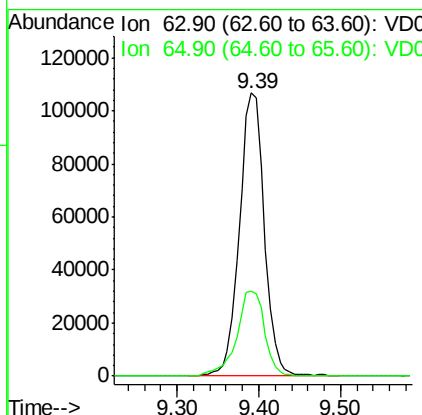
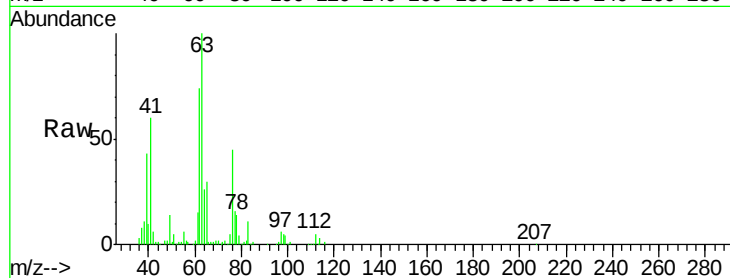
#45
 1,2-Dichloropropane
 Concen: 51.680 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	26.4	39.6

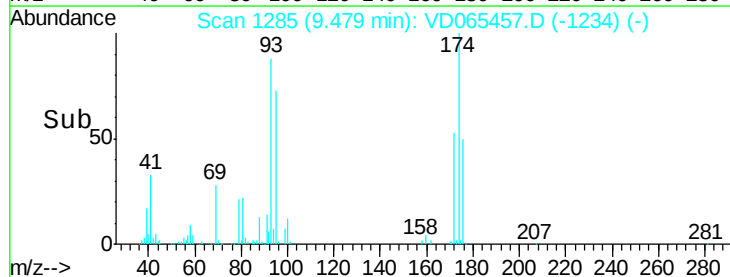
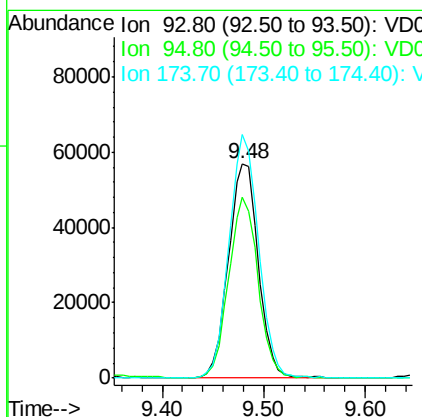
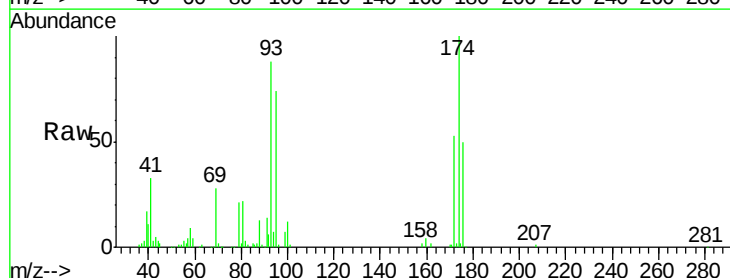
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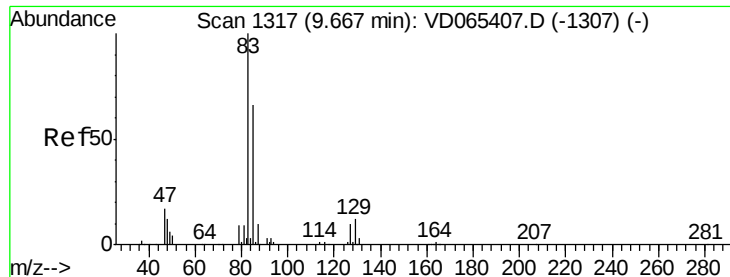
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#46
 Dibromomethane
 Concen: 51.417 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.6
174	111.7	88.3	132.5





#47

Bromodichloromethane

Concen: 51.208 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

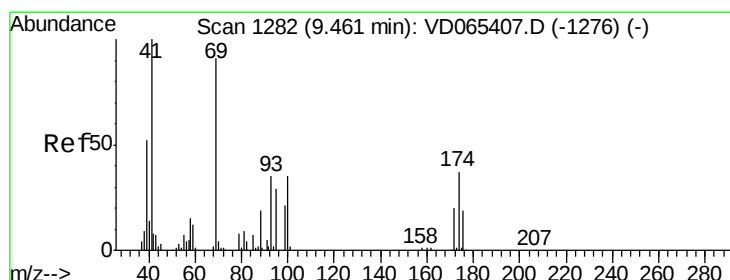
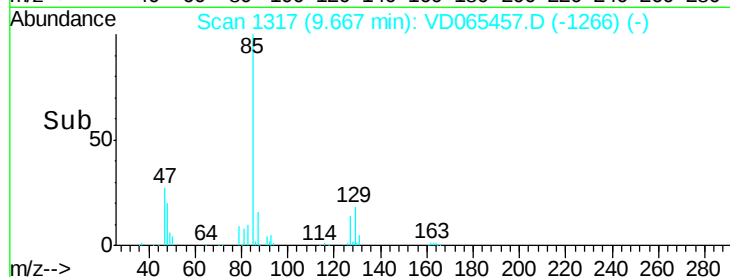
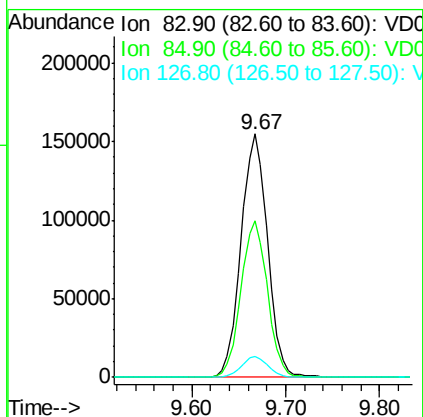
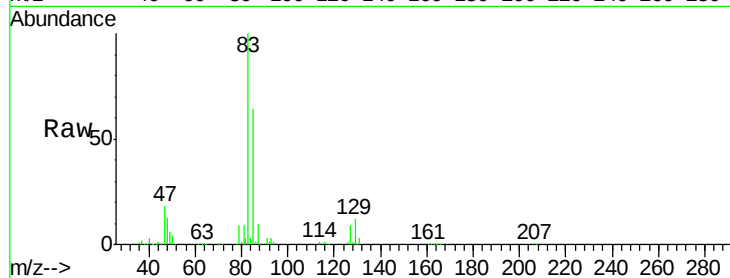
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	303123
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.8	79.2
127	8.8	8.0	12.0

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#48

Methyl methacrylate

Concen: 49.693 ug/l

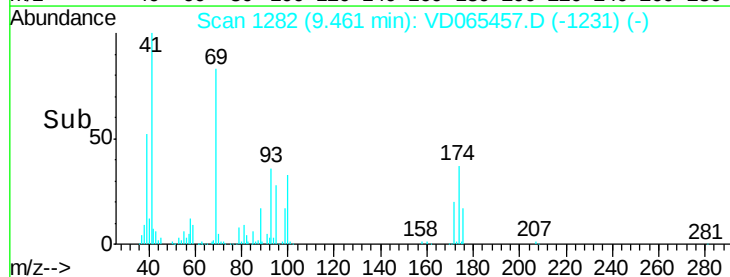
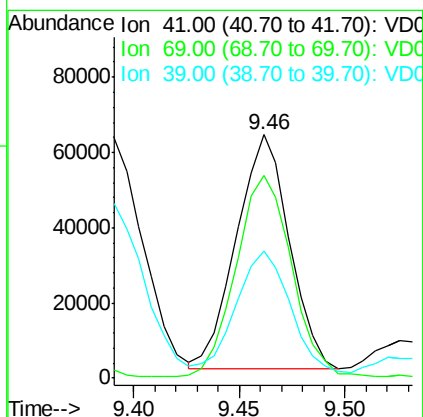
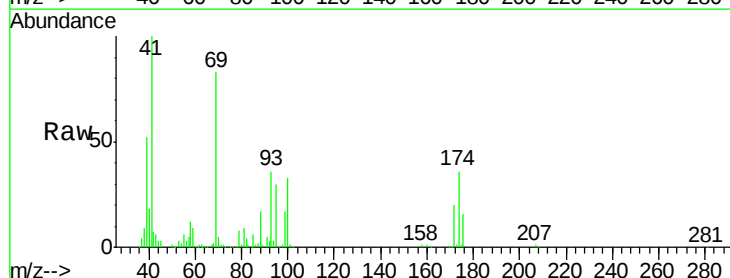
RT: 9.46 min Scan# 1282

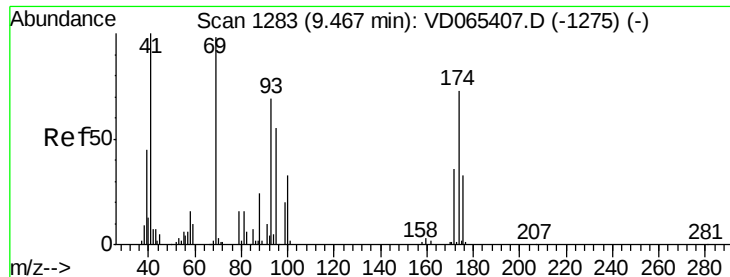
Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	41	Resp:	108049
Ion	Ratio	Lower	Upper
41	100		
69	90.7	72.5	108.7
39	52.1	41.6	62.4





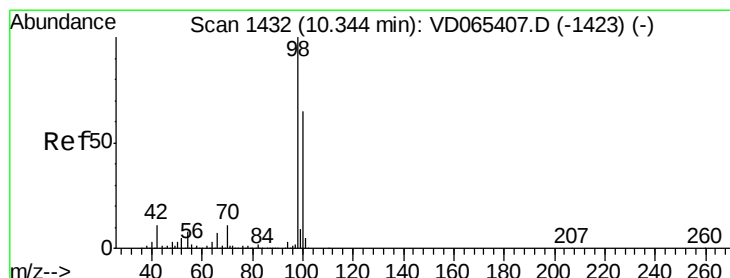
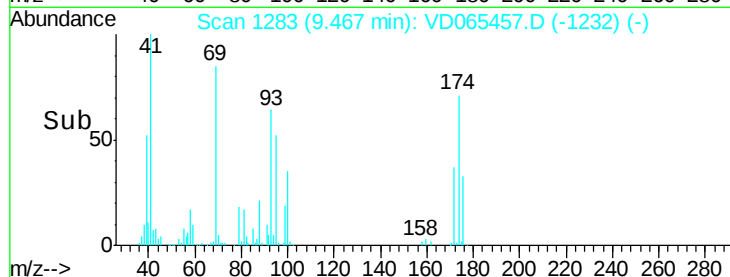
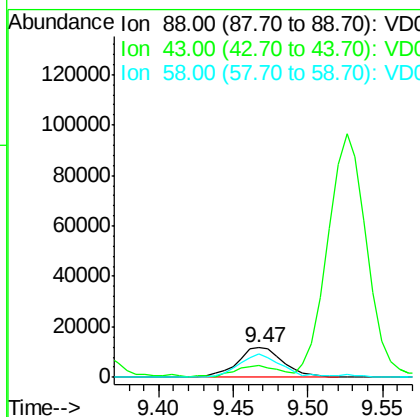
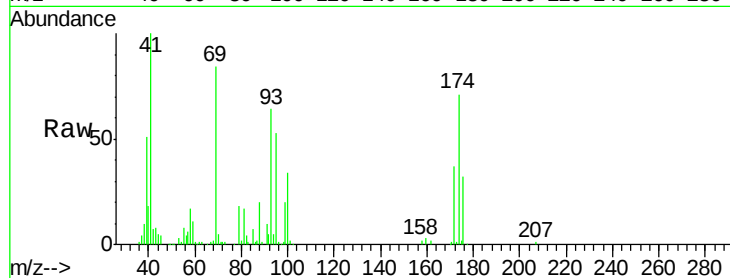
#49
1,4-Dioxane
Concen: 963.777 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25084
Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.5	36.7
58	73.1	54.5	81.7

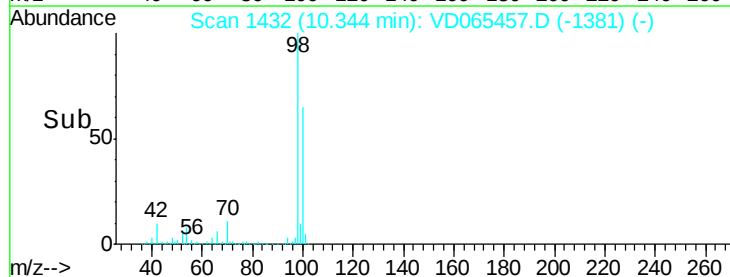
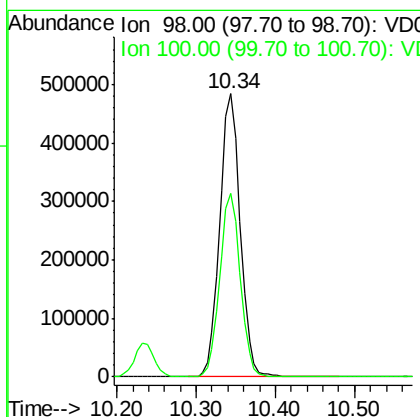
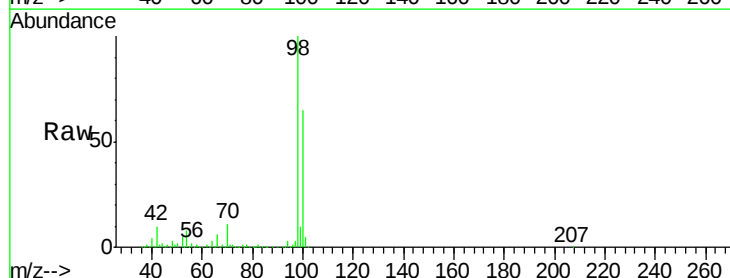
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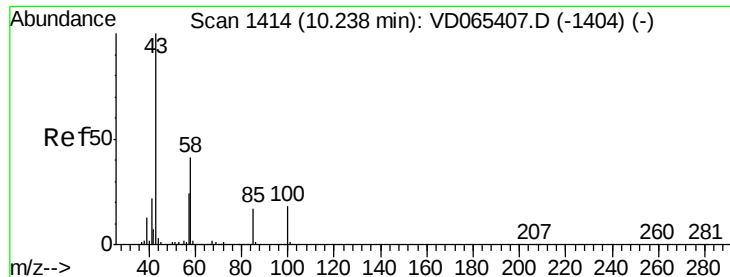
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#50
Toluene-d8
Concen: 54.200 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	98	Resp	868839
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2





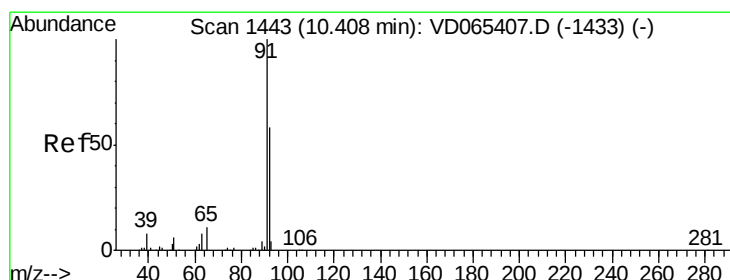
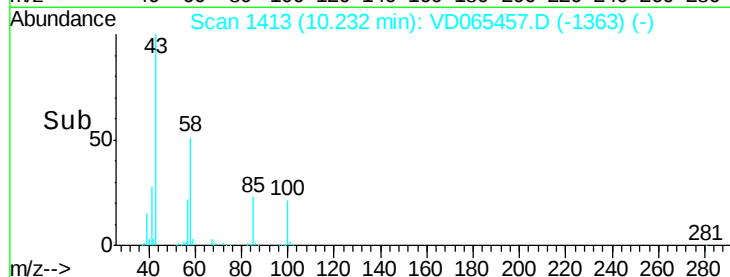
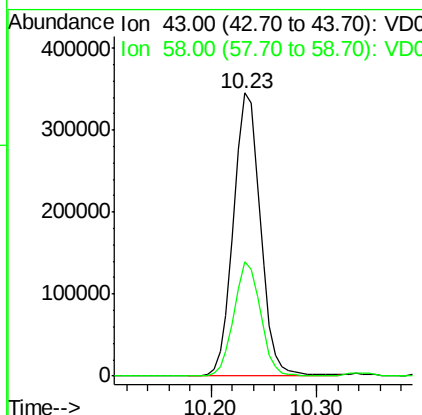
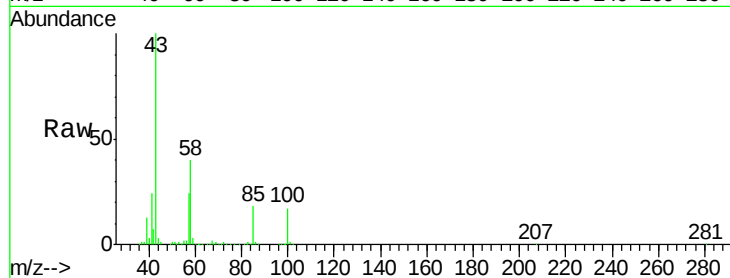
#51
4-Methyl-2-Pentanone
Concen: 262.691 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.8	47.6

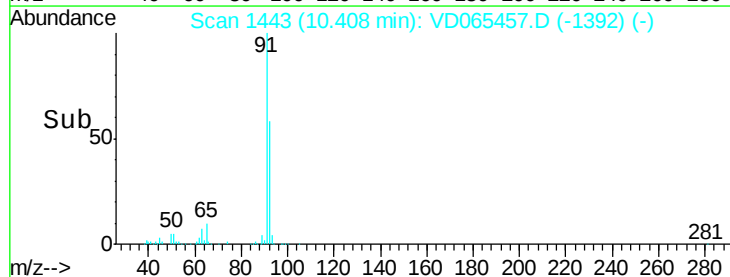
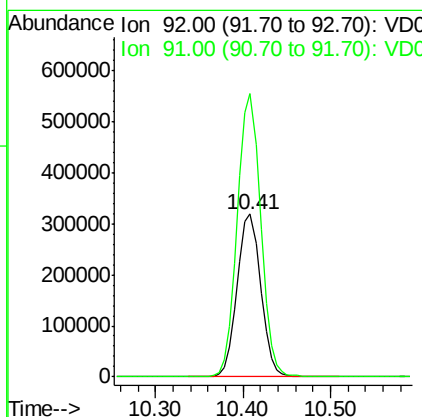
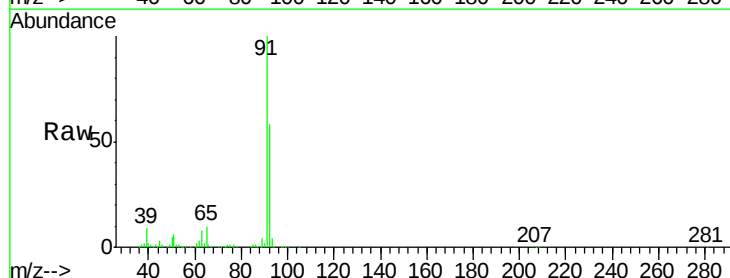
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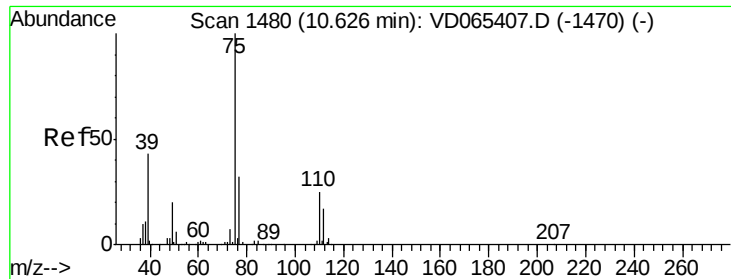
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#52
Toluene
Concen: 51.033 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.8	206.8





#53

t-1,3-Dichloropropene

Concen: 51.408 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 284381

Ion Ratio Lower Upper

75 100

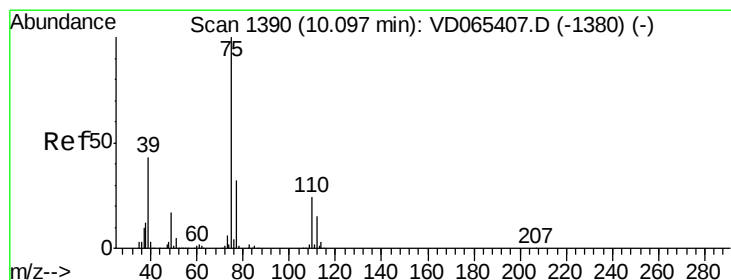
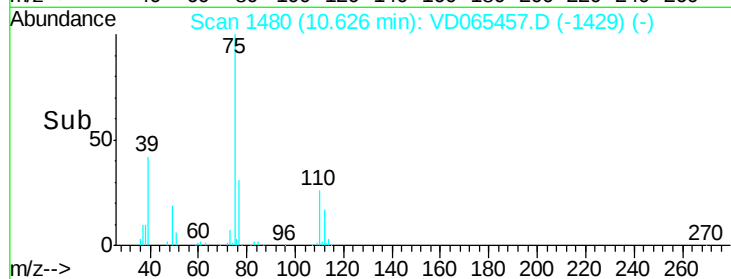
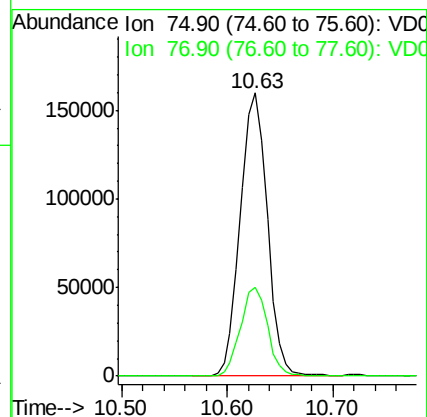
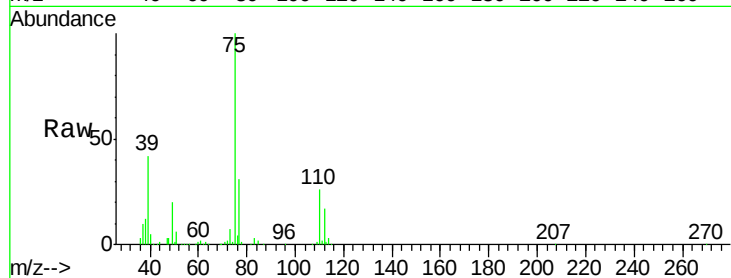
77 31.2 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 51.335 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

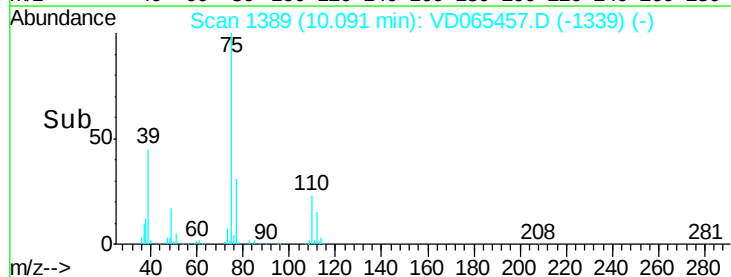
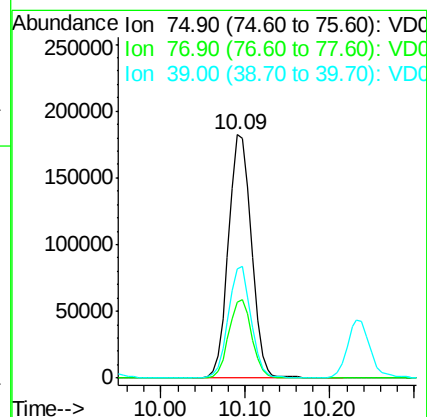
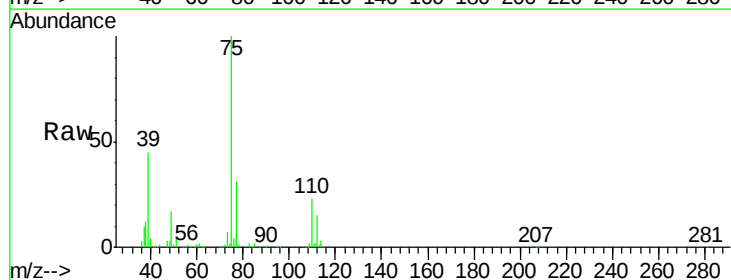
Tgt Ion: 75 Resp: 343731

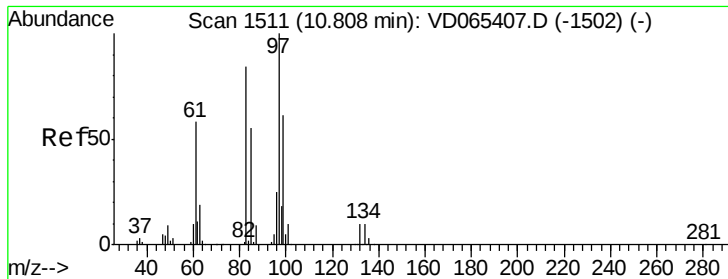
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 44.8 34.6 52.0





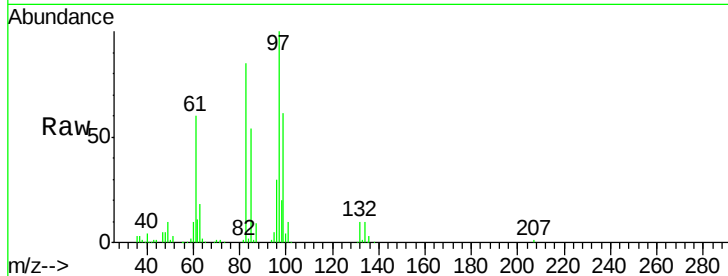
#55
 1,1,2-Trichloroethane
 Concen: 51.295 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

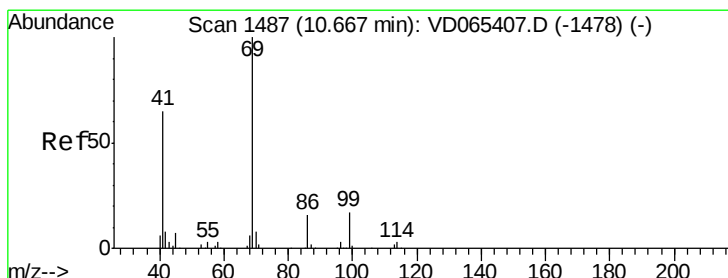
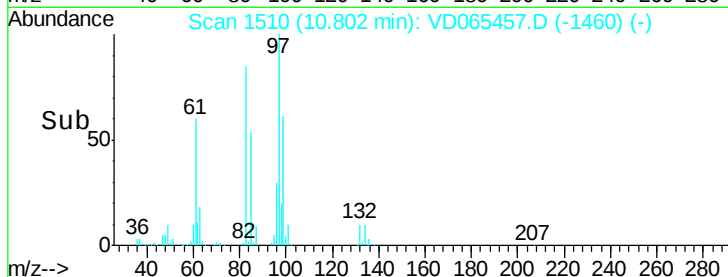
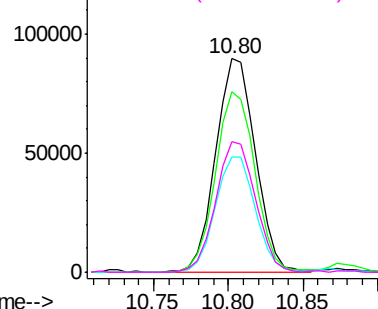
Tot Ion:	97	Resp:	165307
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.4	101.0
85	53.7	43.8	65.8
99	61.1	48.8	73.2

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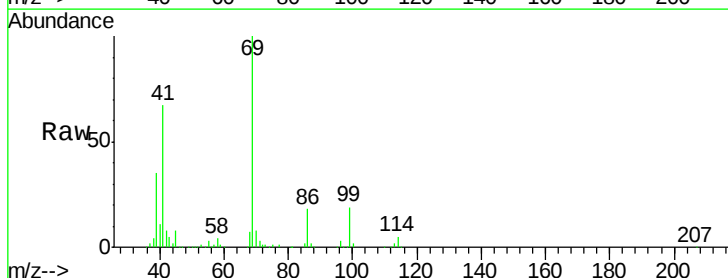


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

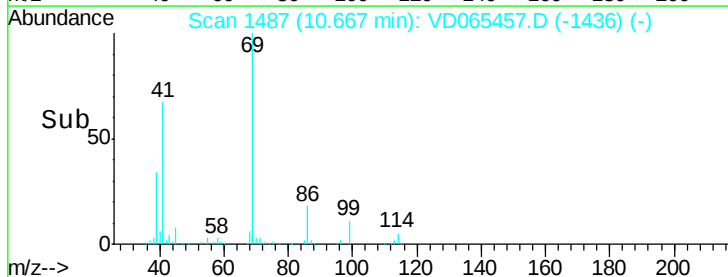
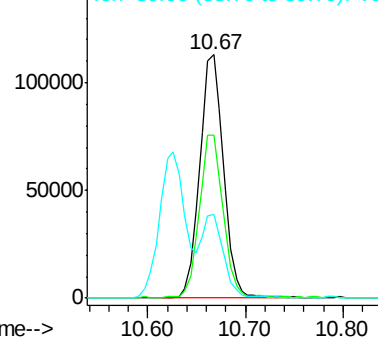


#56
 Ethyl methacrylate
 Concen: 52.727 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion:	69	Resp:	191562
Ion	Ratio	Lower	Upper
69	100		
41	66.3	53.0	79.6
39	30.8	26.0	39.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





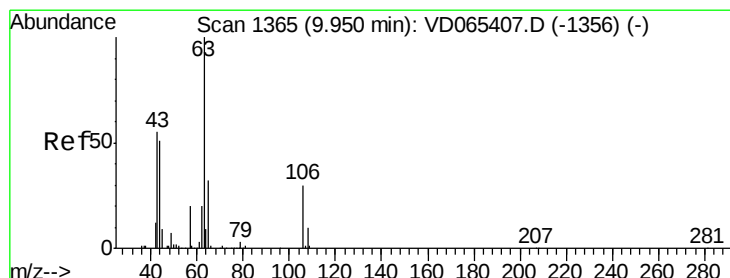
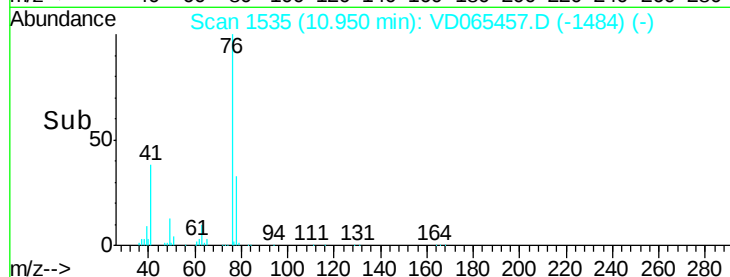
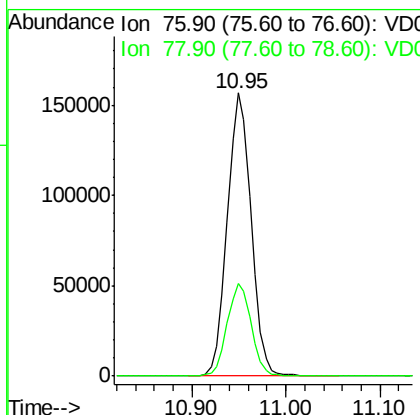
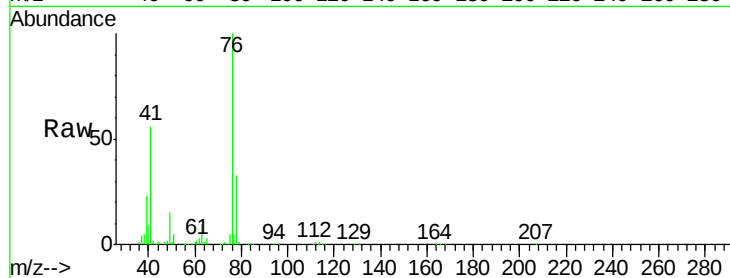
#57
 1,3-Dichloropropane
 Concen: 50.646 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

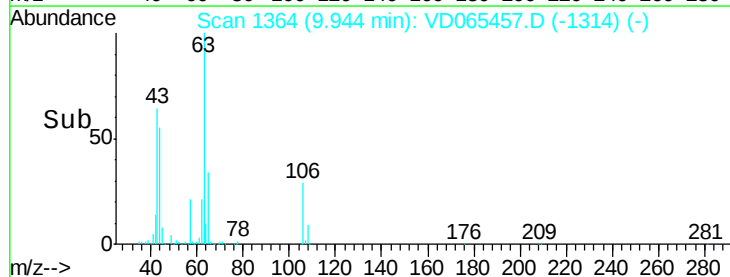
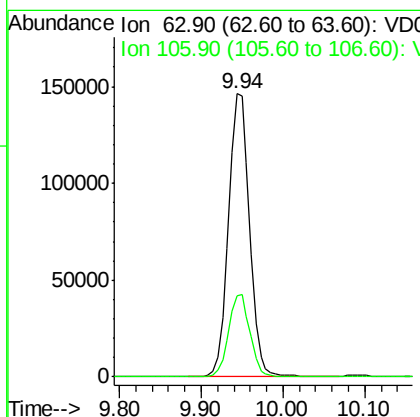
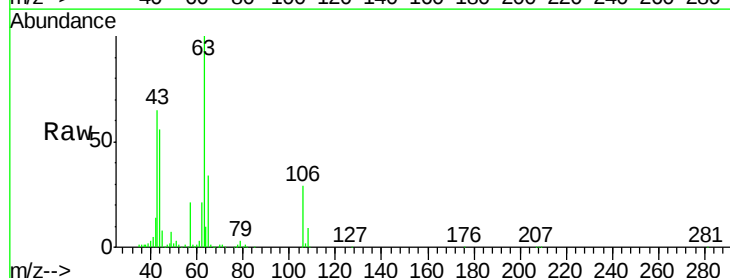
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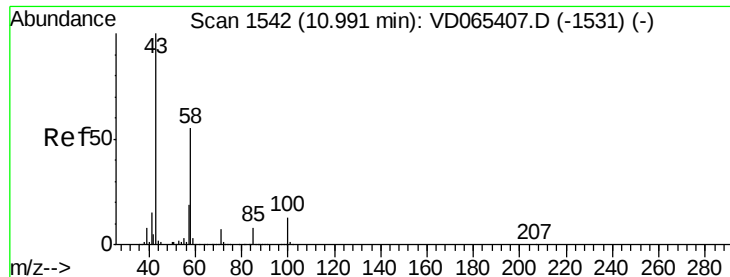
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#58
 2-Chloroethyl Vinyl ether
 Concen: 231.379 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.3	34.9





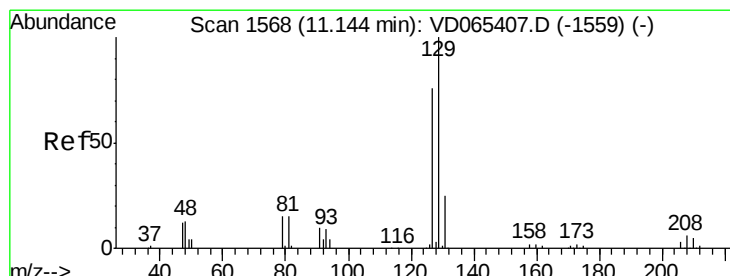
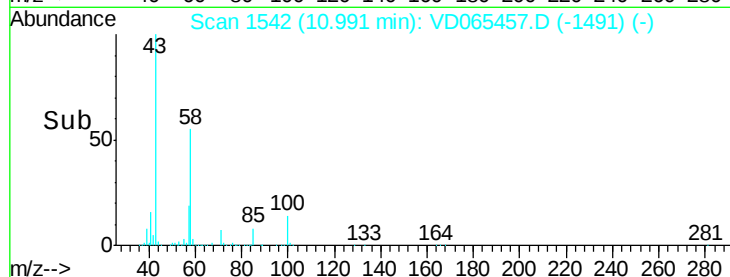
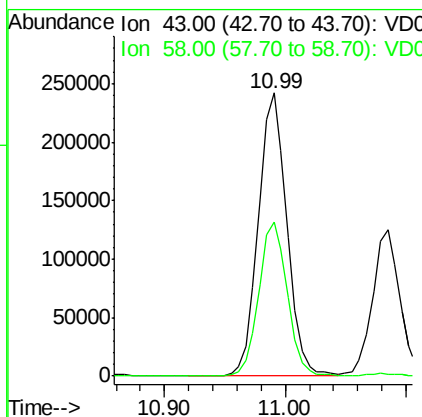
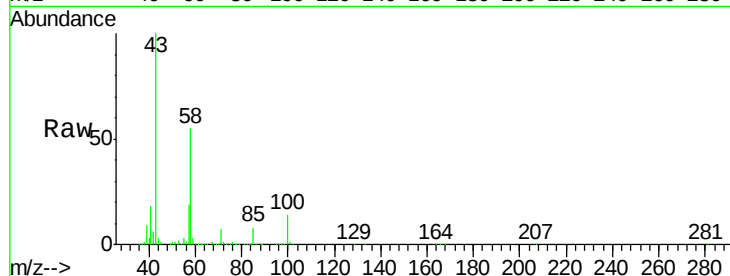
#59
2-Hexanone
Concen: 248.673 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 400416
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.2

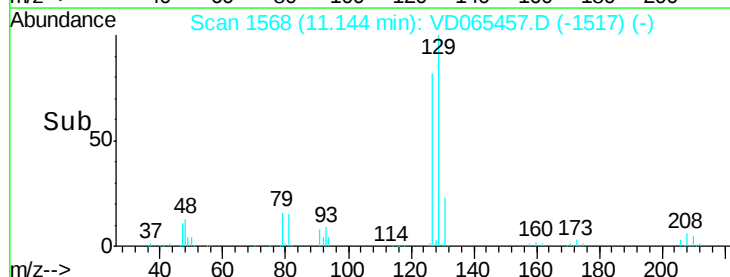
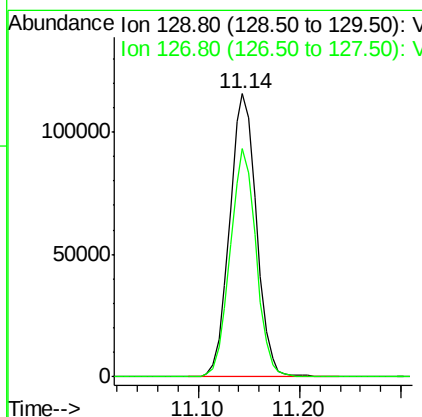
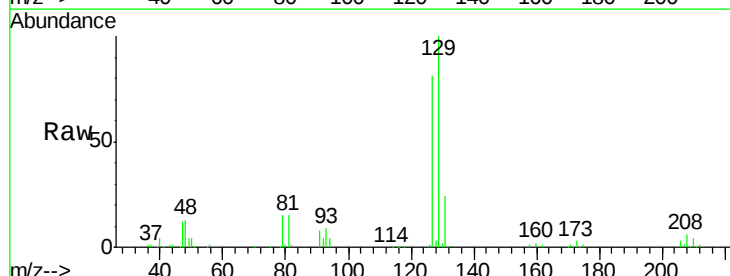
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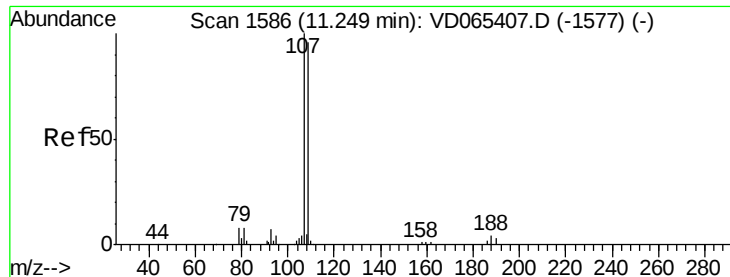
MMDadoda
3/10/2020 3:34:29 PM



#60
Dibromochloromethane
Concen: 51.362 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 129 Resp: 212172
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.585 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 155495

Ion Ratio Lower Upper

107 100

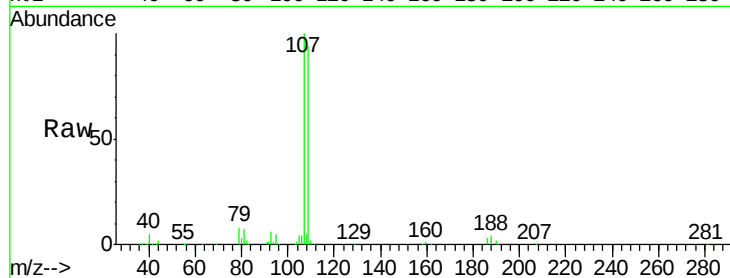
109 94.3 76.8 115.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

80000

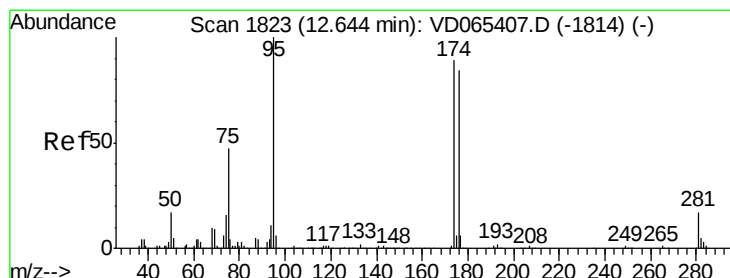
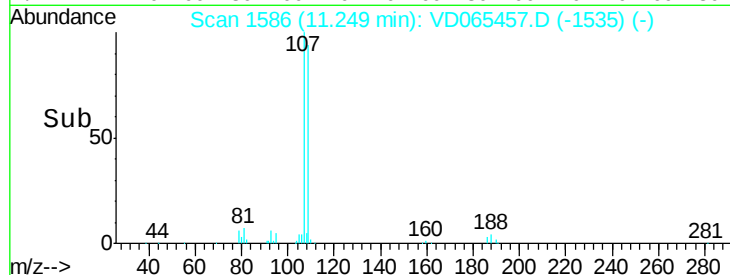
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

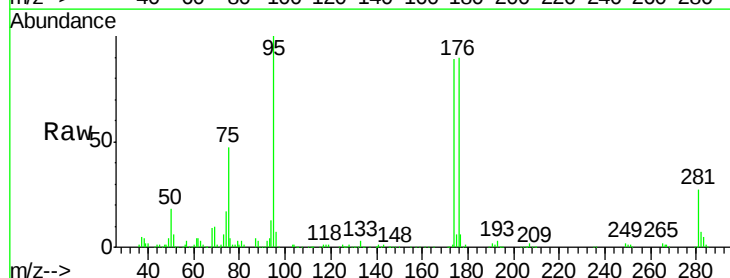
Tgt Ion: 95 Resp: 267612

Ion Ratio Lower Upper

95 100

174 91.5 0.0 176.8

176 88.4 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

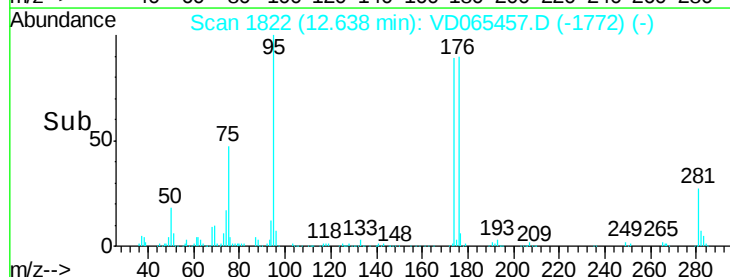
150000

100000

50000

0

Time-->





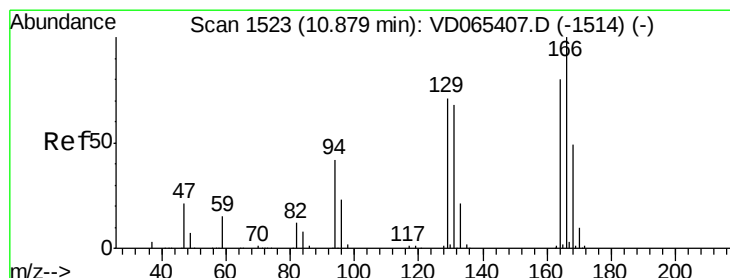
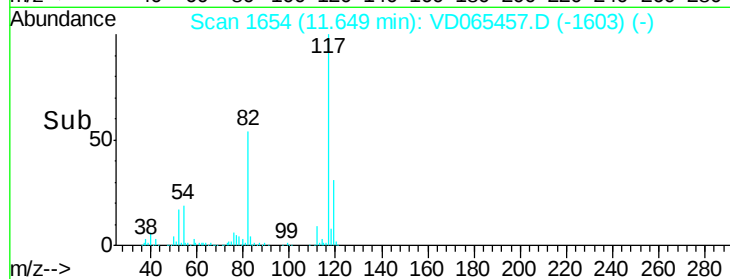
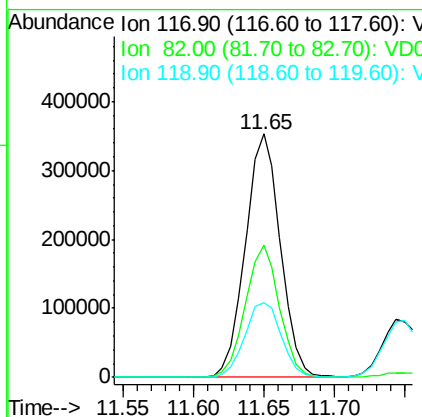
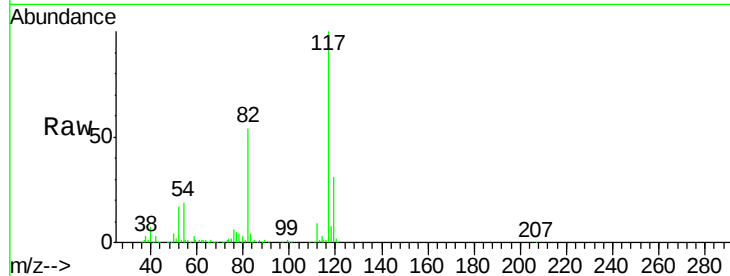
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	40.6	60.8
119	30.9	25.4	38.2

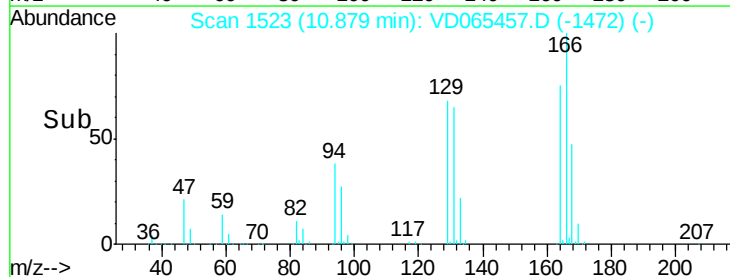
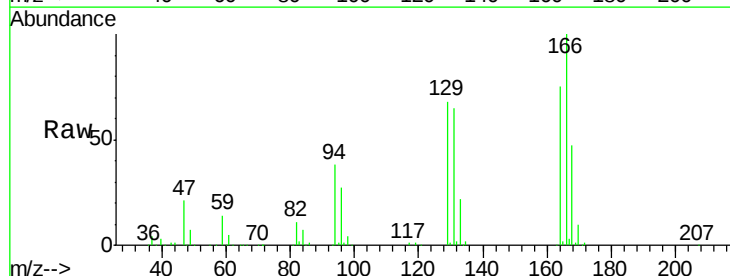
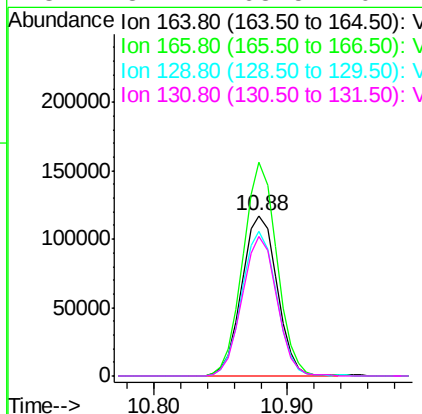
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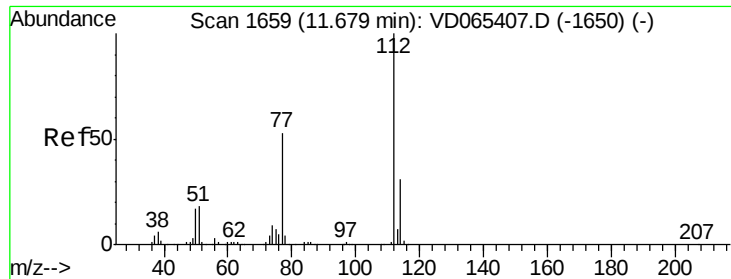
MMDadoda
3/10/2020 3:34:29 PM



#64
Tetrachloroethene
Concen: 48.666 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	100.5	150.7
129	89.9	71.5	107.3
131	87.1	68.5	102.7





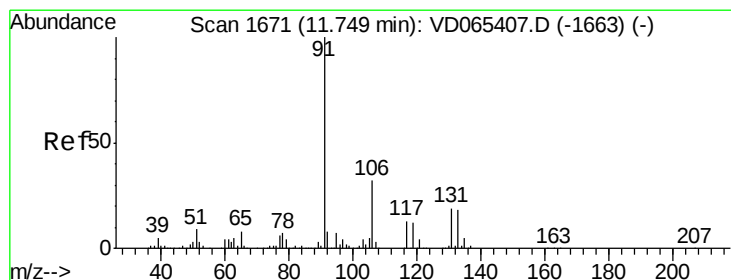
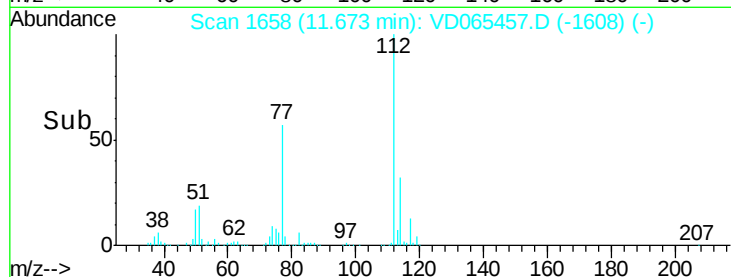
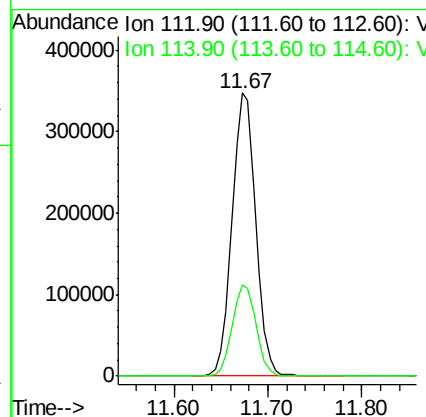
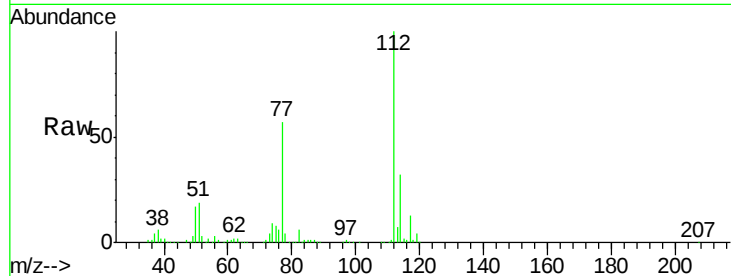
#65
Chlorobenzene
Concen: 49.763 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.4	36.6

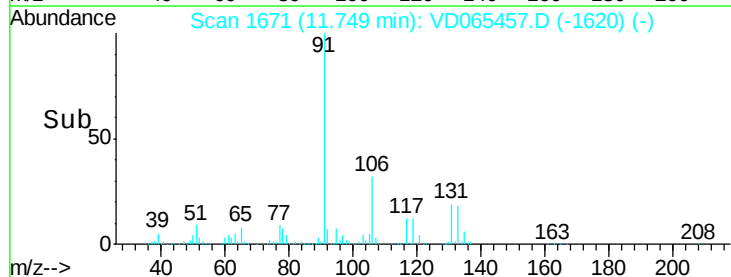
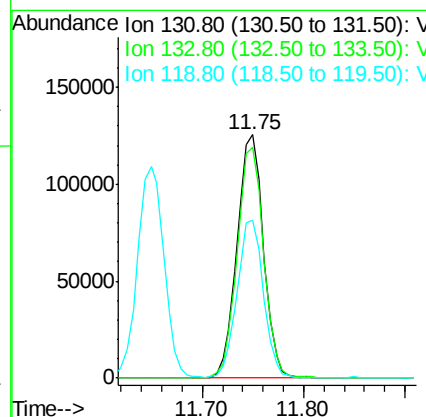
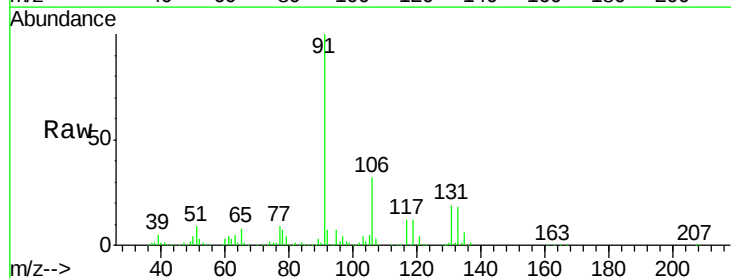
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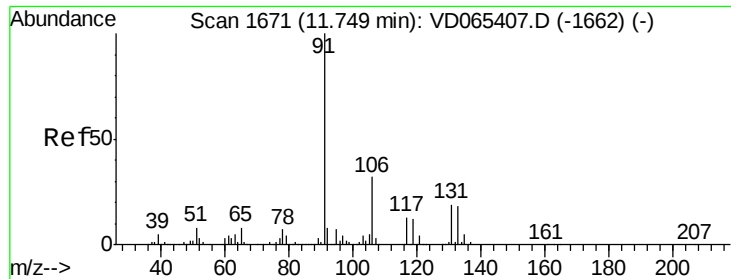
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.306 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	49.2	147.6
119	65.2	33.3	99.8





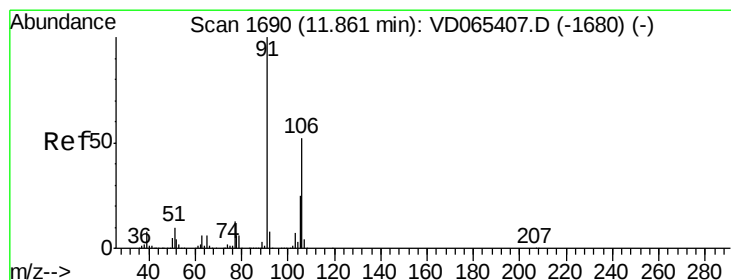
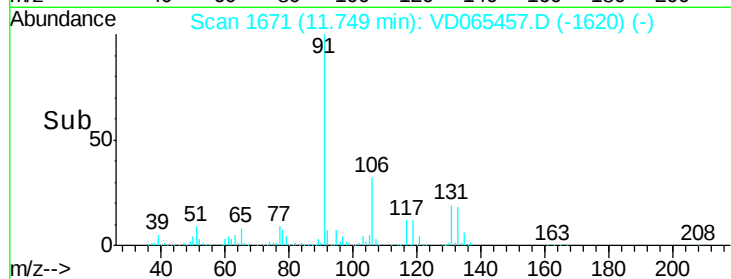
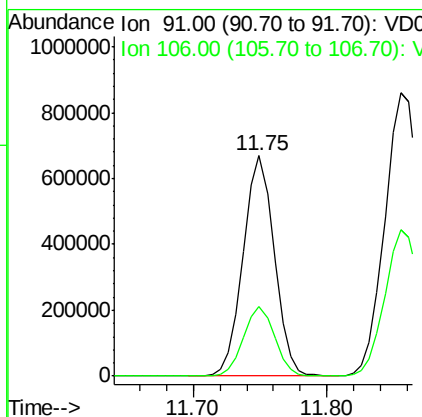
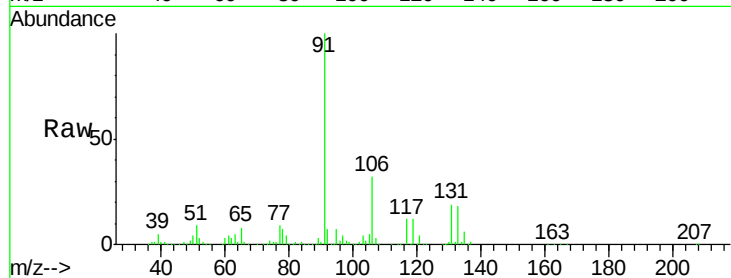
#67
Ethyl Benzene
Concen: 51.469 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1081178
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

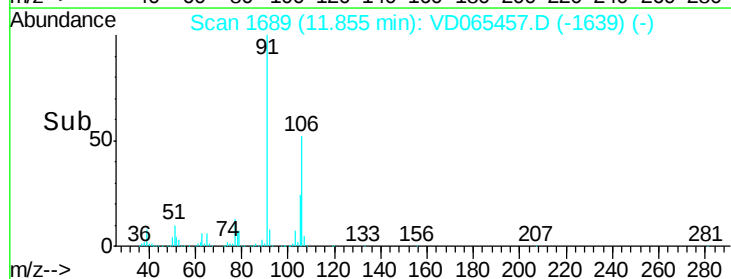
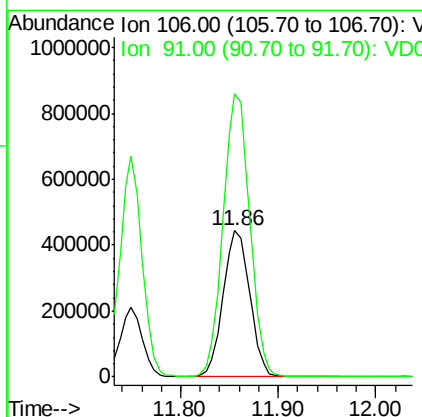
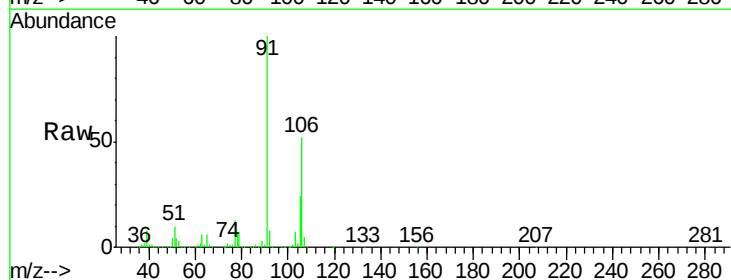
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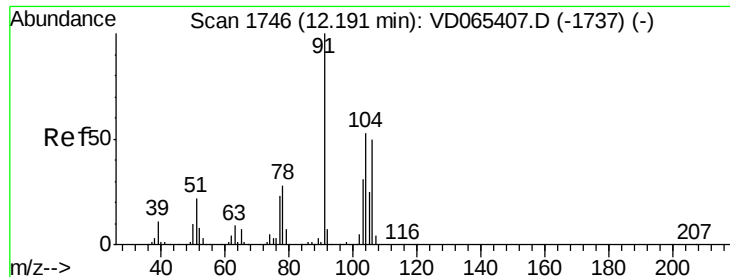
MMDadoda
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#68
m/p-Xylenes
Concen: 103.744 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 106 Resp: 840309
Ion Ratio Lower Upper
106 100
91 194.2 155.9 233.9





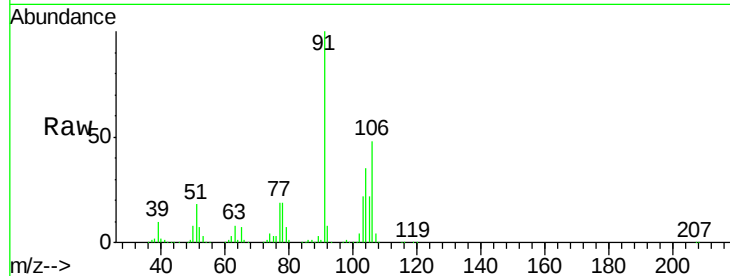
#69
o-Xylene
Concen: 52.554 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

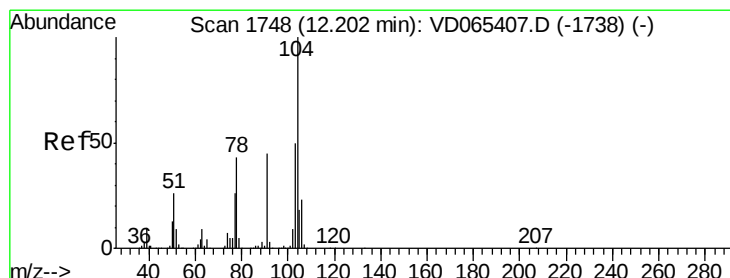
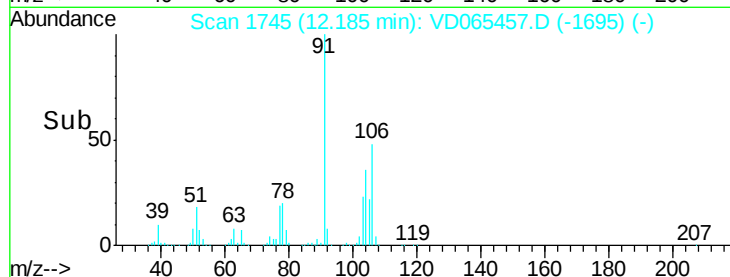
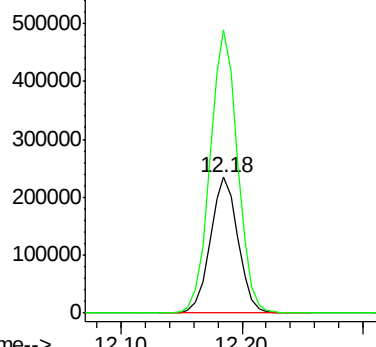
Tot Ion:106 Resp: 374445
Ion Ratio Lower Upper
106 100
91 207.2 103.5 310.3

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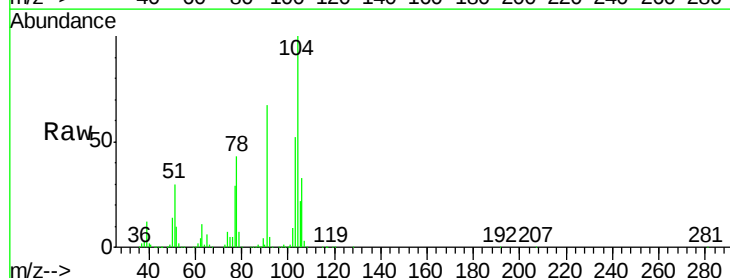


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

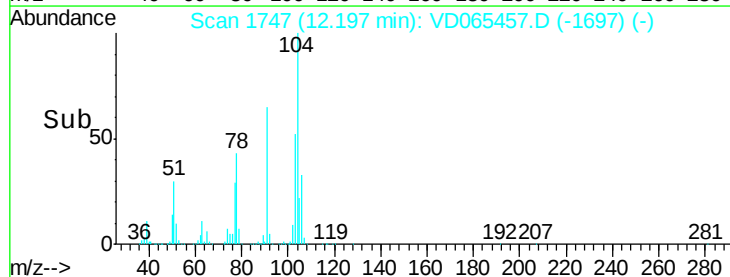
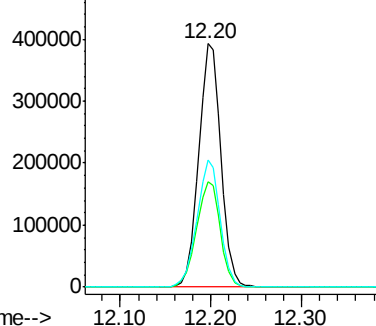


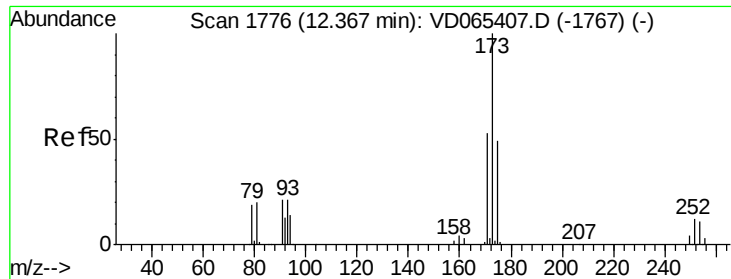
#70
Styrene
Concen: 53.277 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion:104 Resp: 668072
Ion Ratio Lower Upper
104 100
78 46.3 37.7 56.5
103 54.5 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





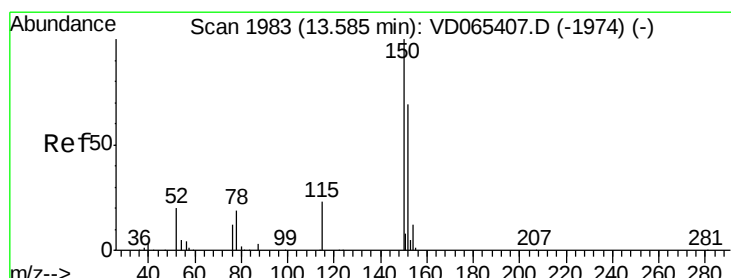
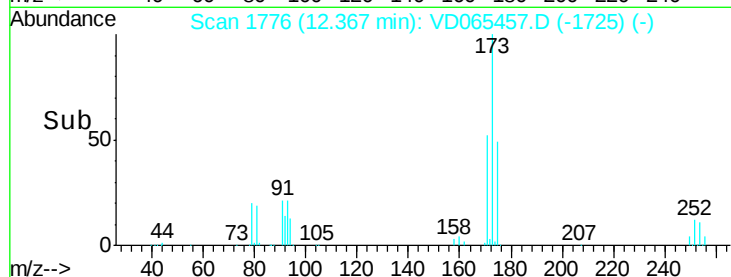
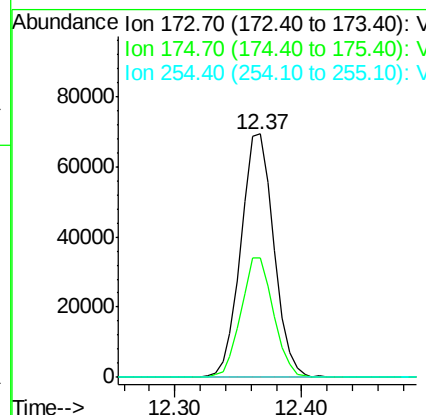
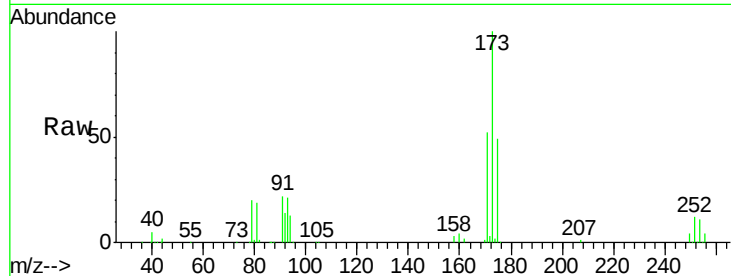
#71
Bromoform
Concen: 50.124 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1

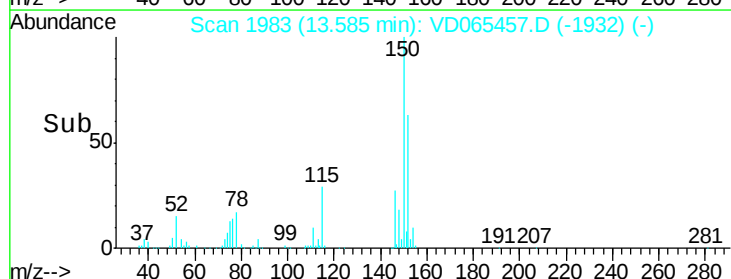
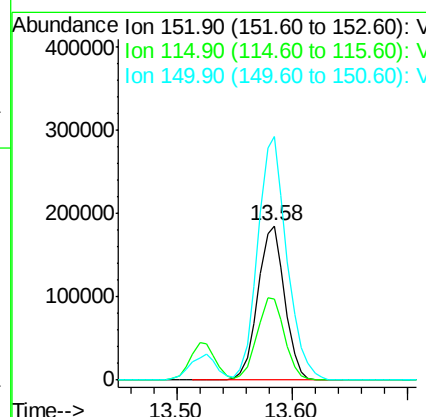
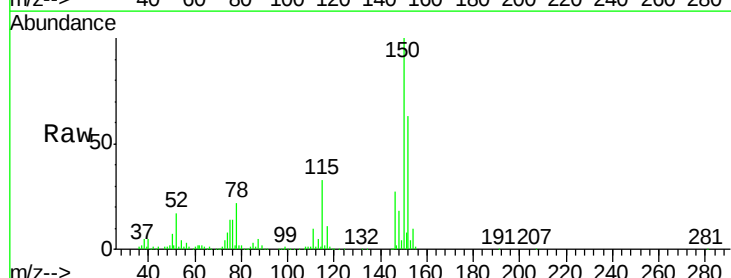
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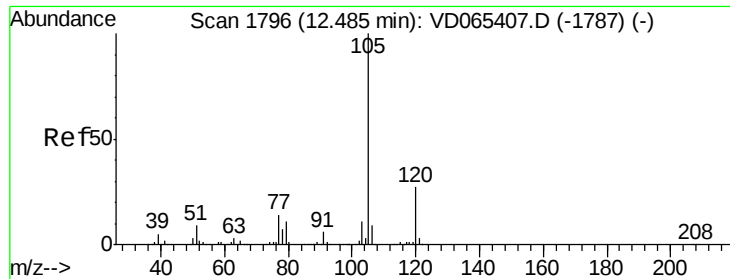
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.6	82.8
150	171.2	0.0	345.0





#73

Isopropylbenzene

Concen: 50.854 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1004079

Ion Ratio Lower Upper

105 100

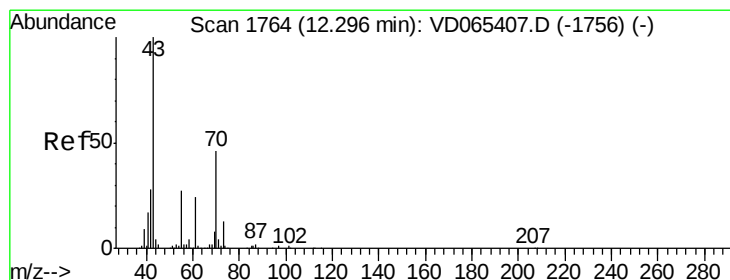
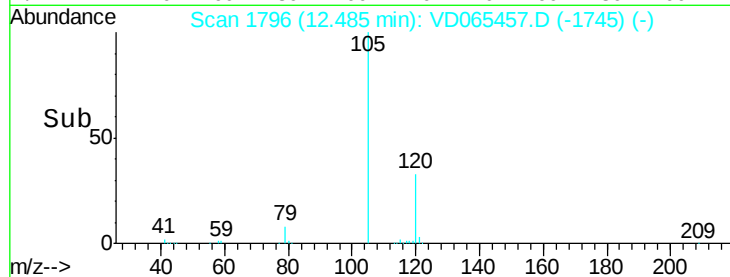
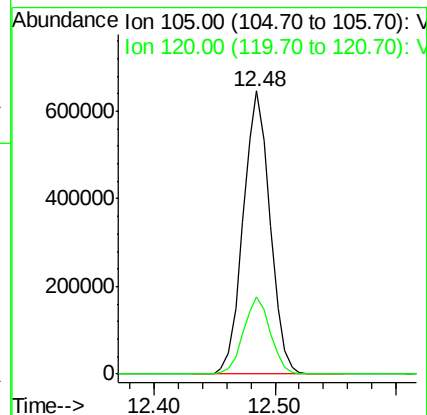
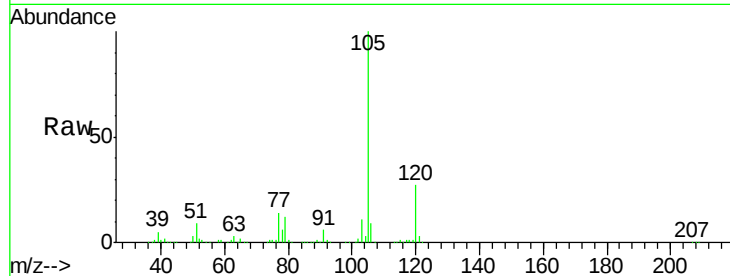
120 27.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 50.409 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion: 43 Resp: 203761

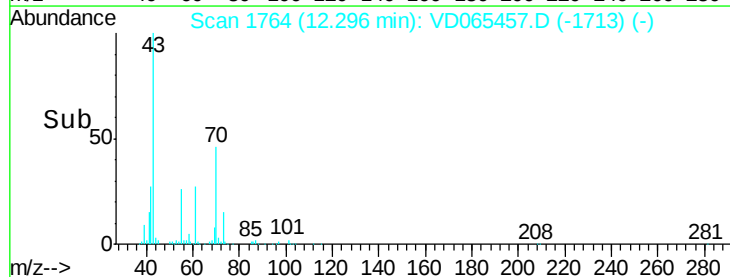
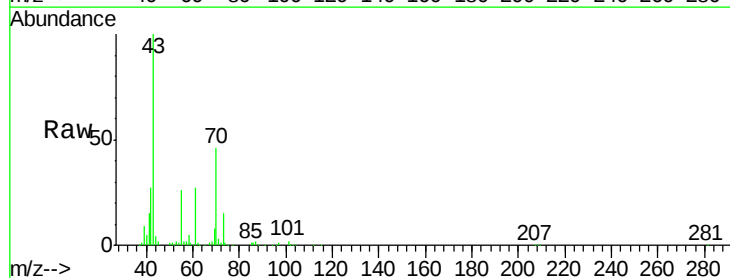
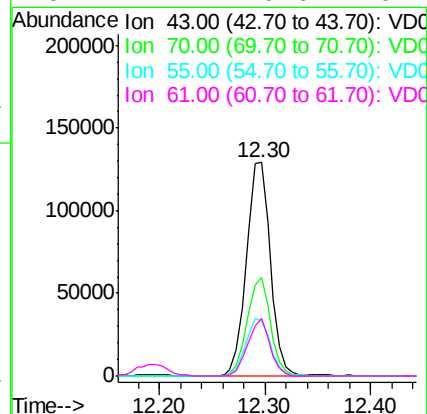
Ion Ratio Lower Upper

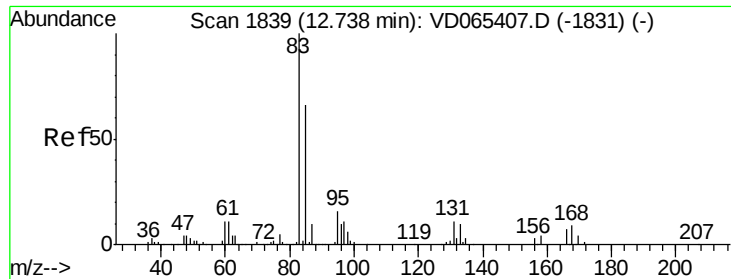
43 100

70 45.0 36.1 54.1

55 27.6 21.6 32.4

61 24.7 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.829 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

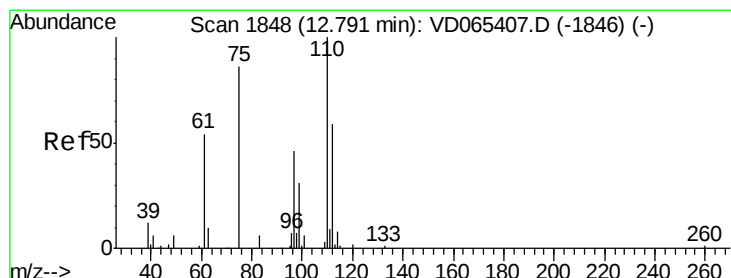
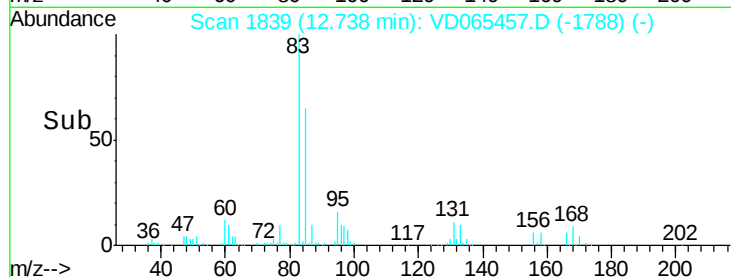
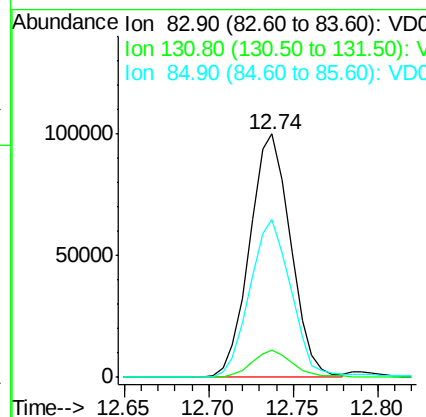
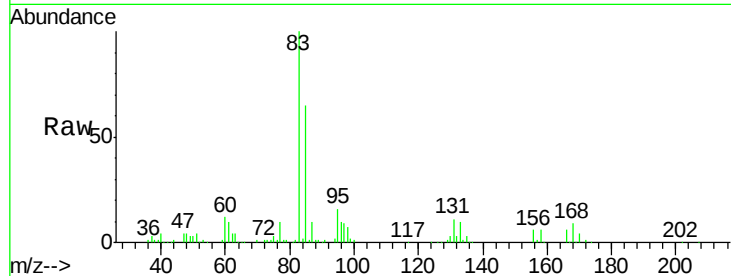
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169466
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	66.0	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.867 ug/l m

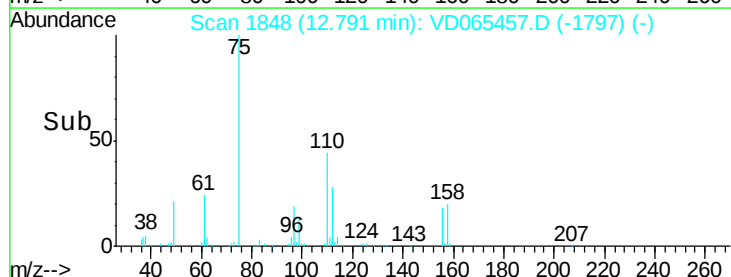
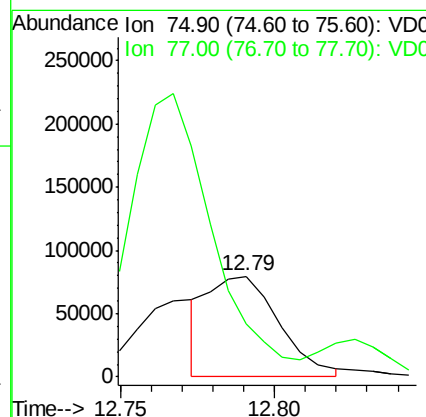
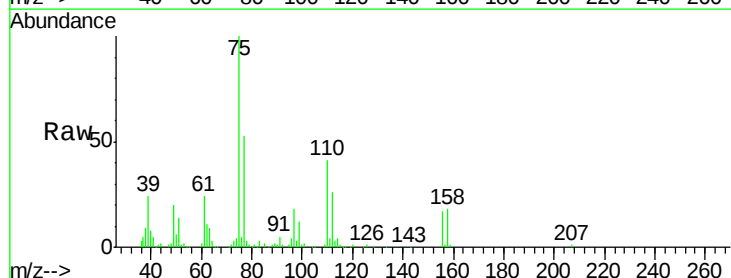
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	75	Resp:	127593
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.634 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

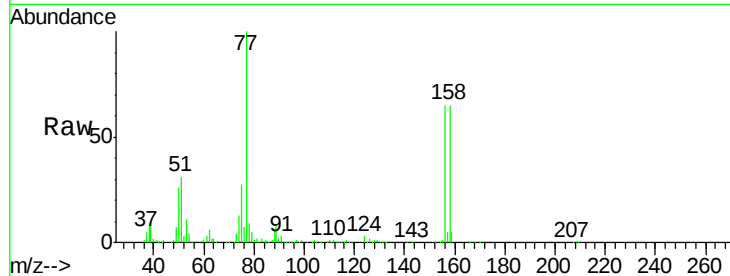
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	248383
Ion Ratio	Lower	Upper	
156	100		
77	170.2	84.9	254.6
158	98.1	49.0	147.2

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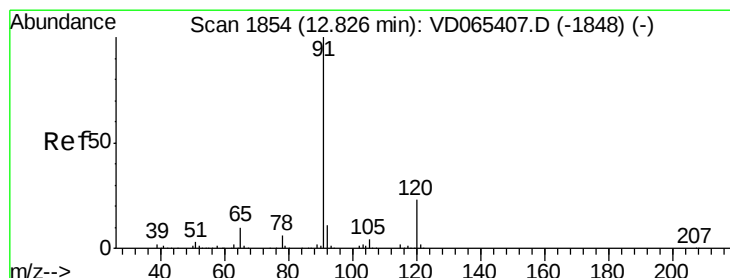
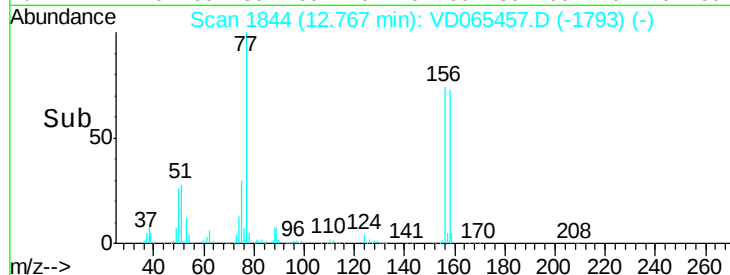
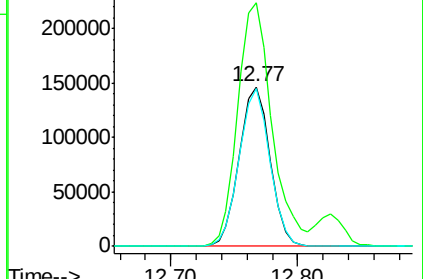
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.372 ug/l

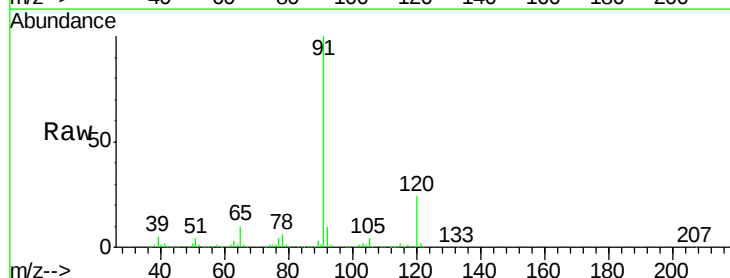
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065457.D

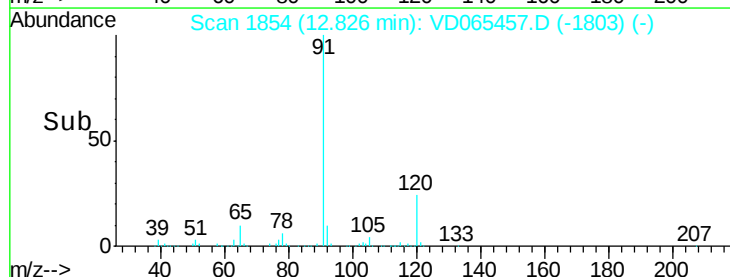
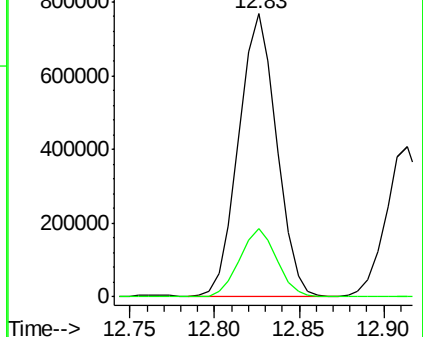
Acq: 09 Mar 2020 18:42

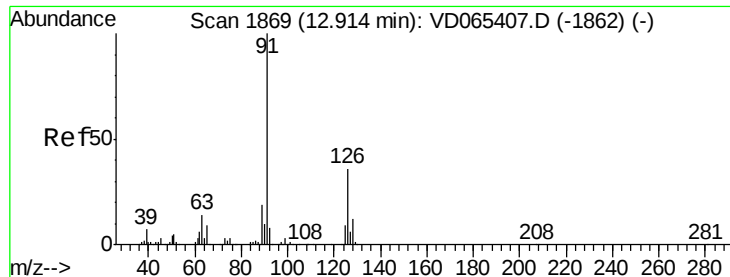
Tgt Ion:	91	Resp:	1203478
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





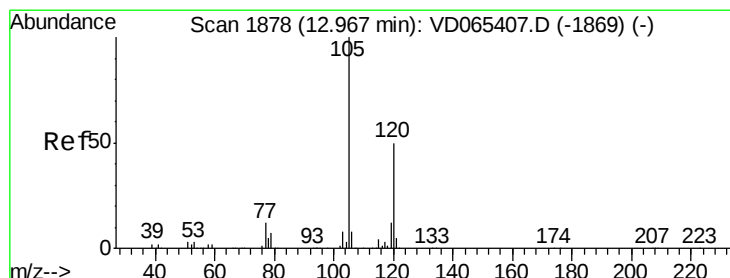
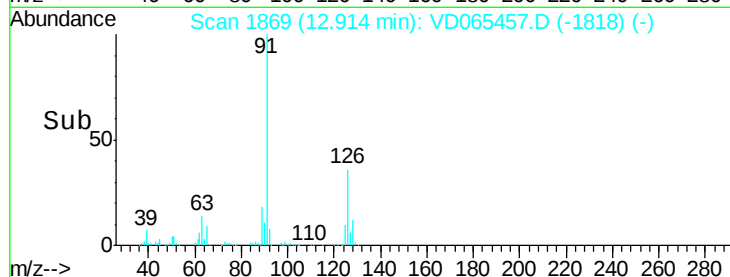
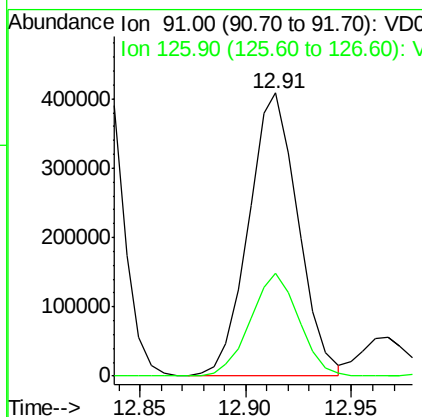
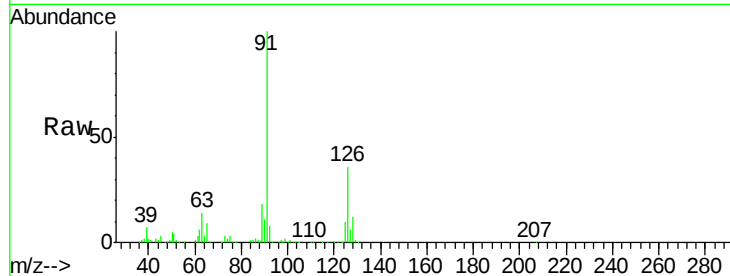
#79
2-Chlorotoluene
Concen: 50.245 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 663385
Ion Ratio Lower Upper
91 100
126 35.7 17.9 53.8

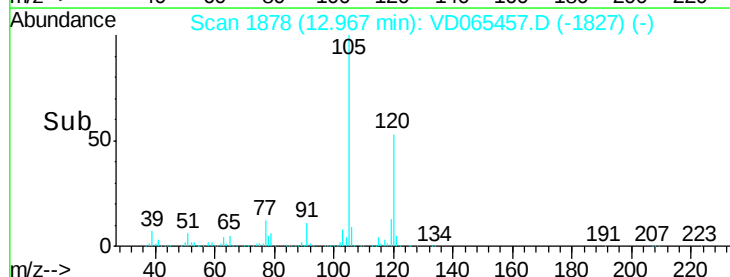
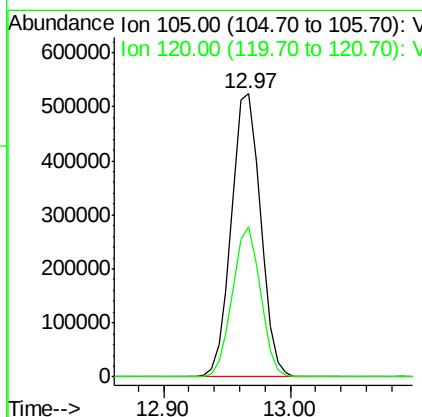
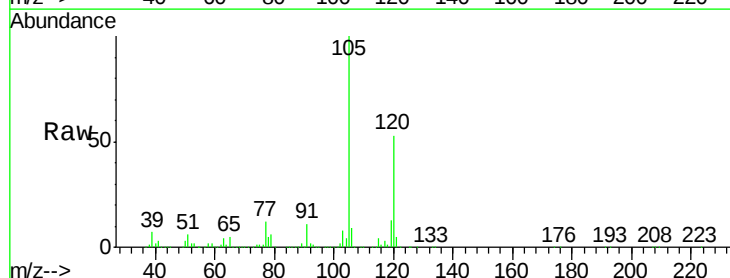
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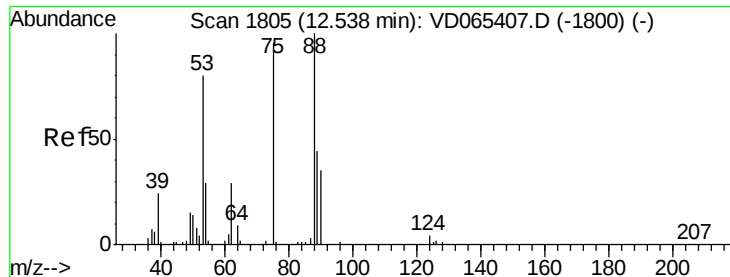
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#80
1,3,5-Trimethylbenzene
Concen: 51.367 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion: 105 Resp: 833786
Ion Ratio Lower Upper
105 100
120 51.1 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.547 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

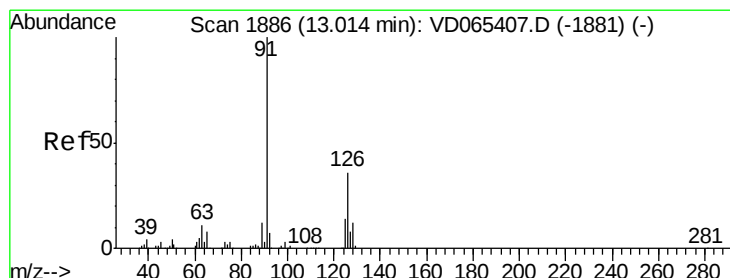
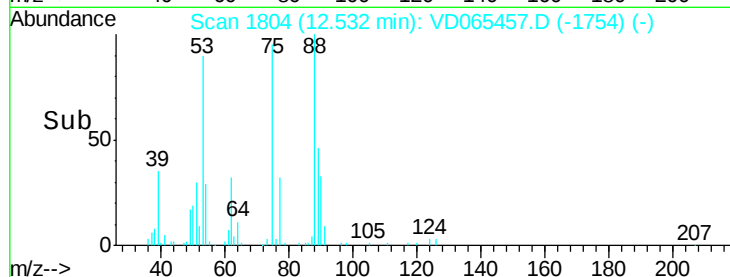
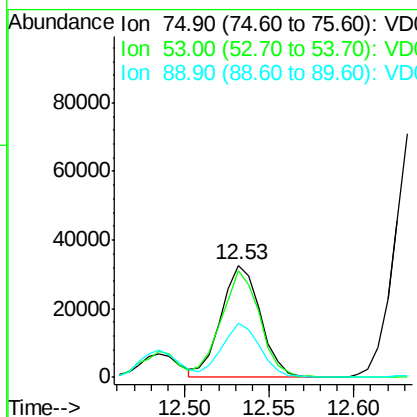
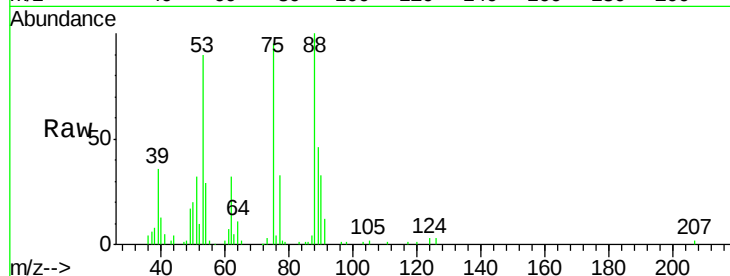
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53368
Ion	Ratio	Lower	Upper
75	100		
53	93.1	71.3	106.9
89	46.7	37.0	55.6

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#82

4-Chlorotoluene

Concen: 51.133 ug/l

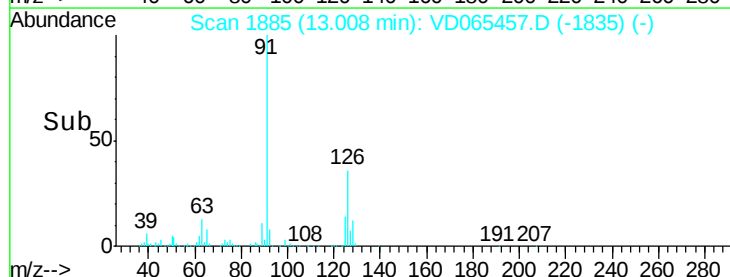
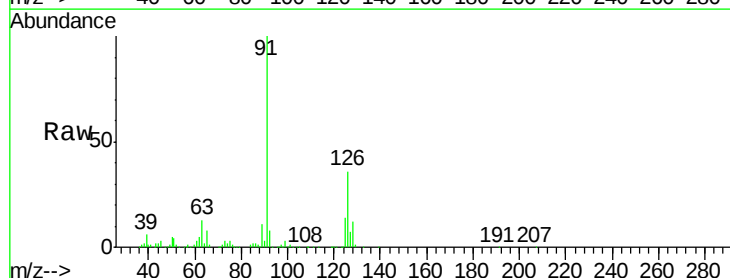
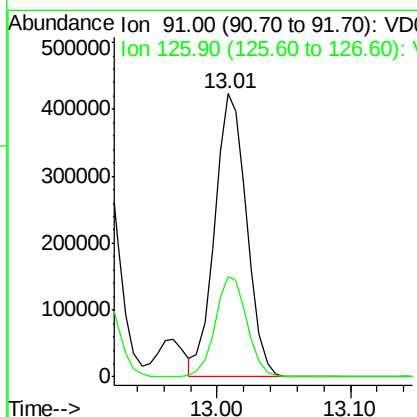
RT: 13.01 min Scan# 1885

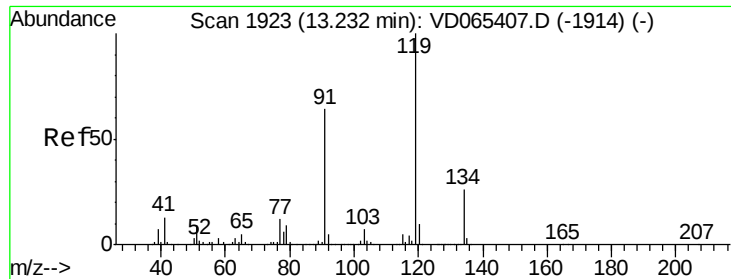
Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	91	Resp:	709418
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.8





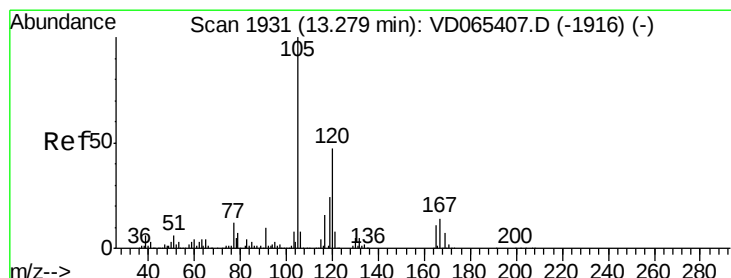
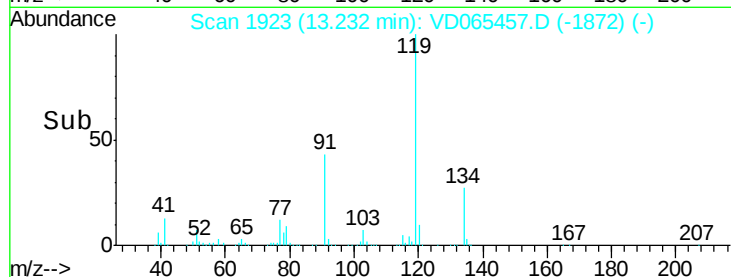
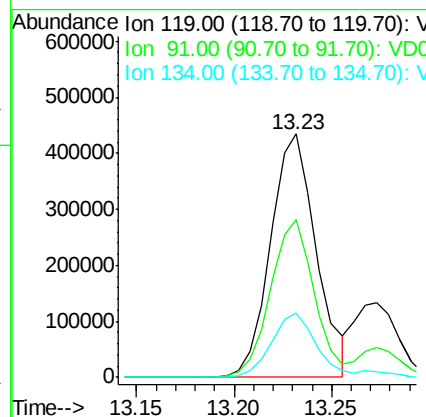
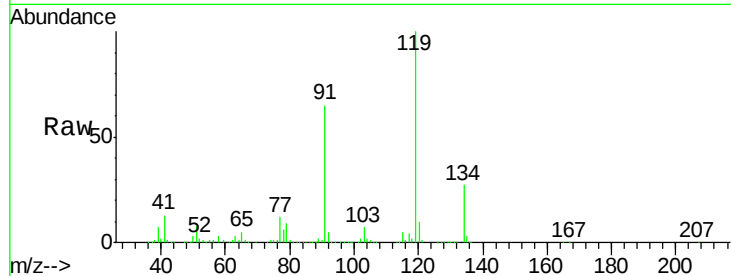
#83
 tert-Butylbenzene
 Concen: 51.357 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.6	95.0
134	25.9	14.2	42.8

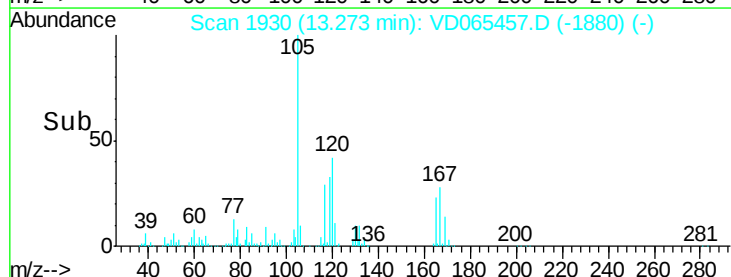
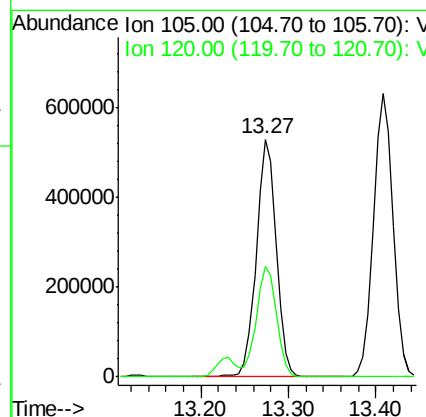
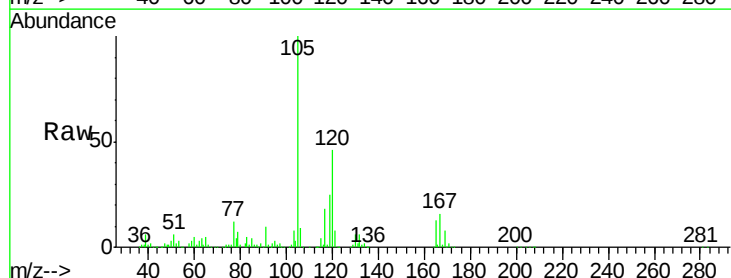
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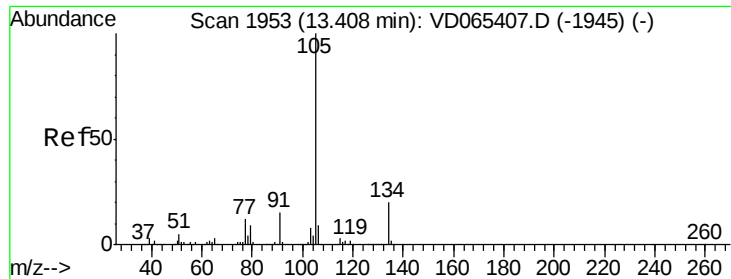
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.758 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.139 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 982813

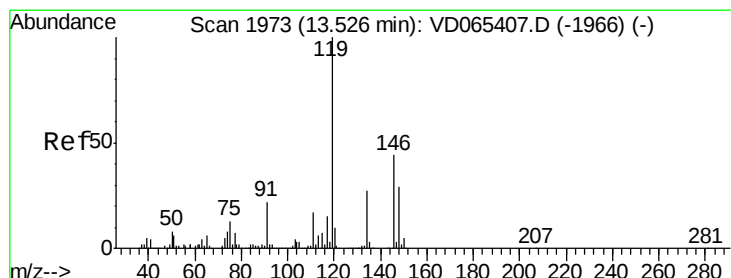
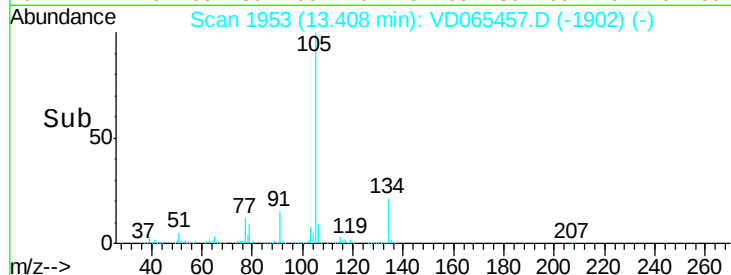
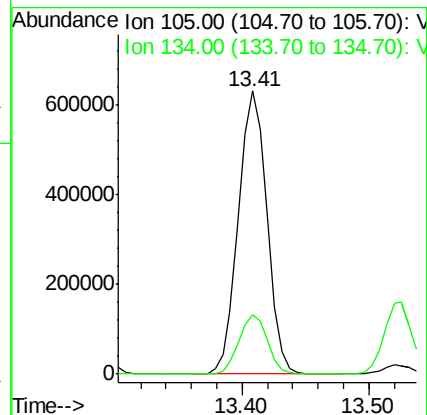
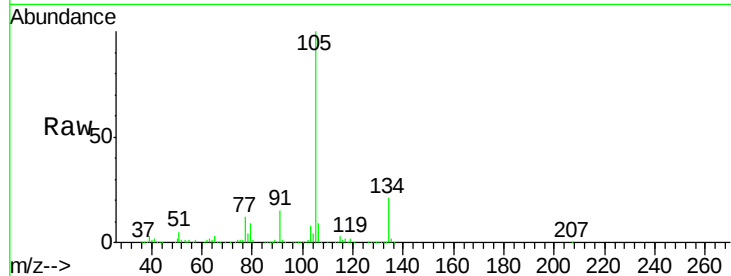
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 50.893 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

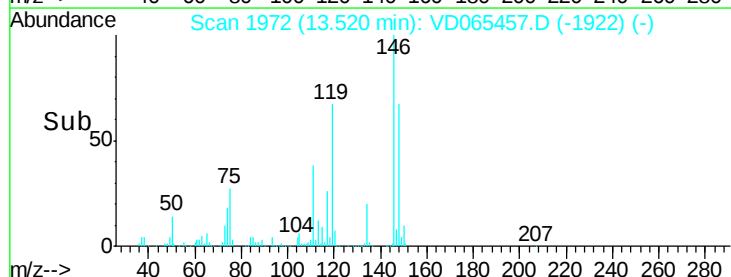
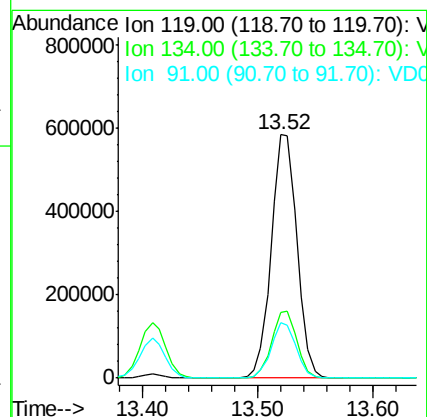
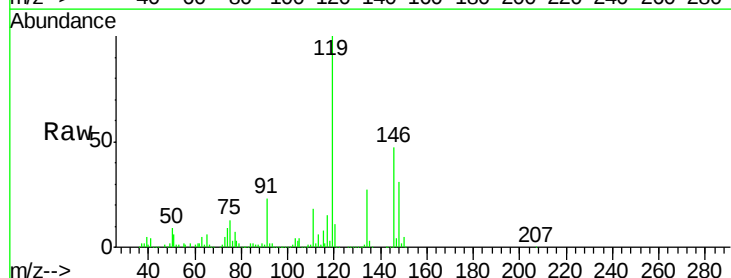
Tgt Ion:119 Resp: 910304

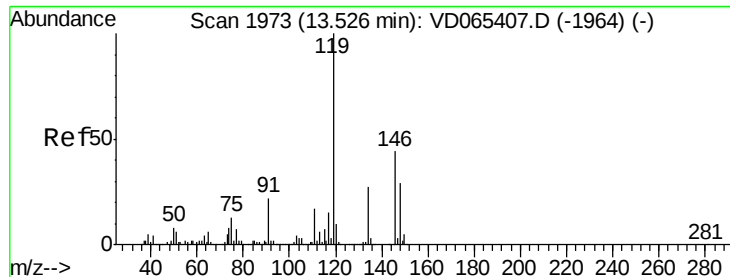
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 21.9 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 49.526 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Instrument :

MSVOA_D

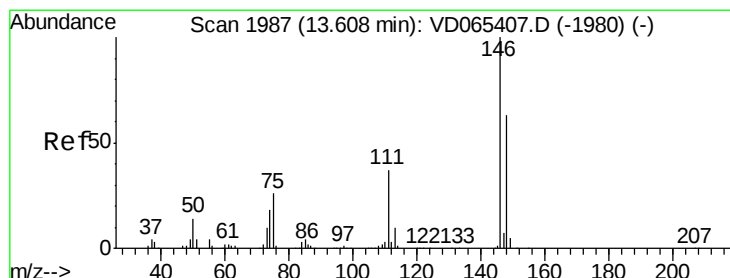
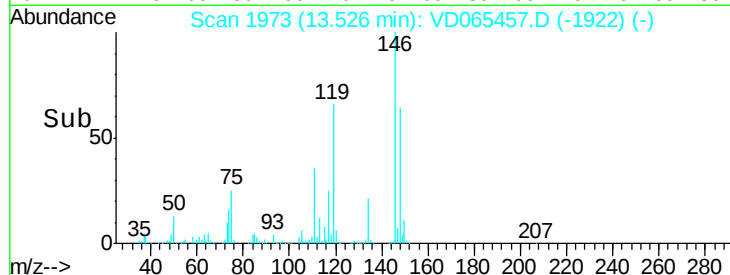
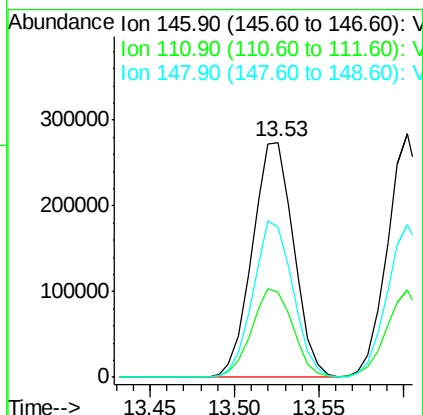
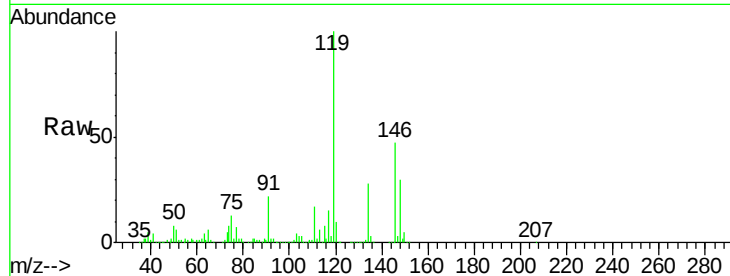
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	467086
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.2	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 48.575 ug/l

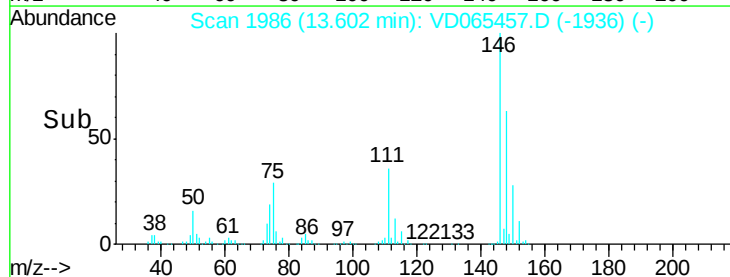
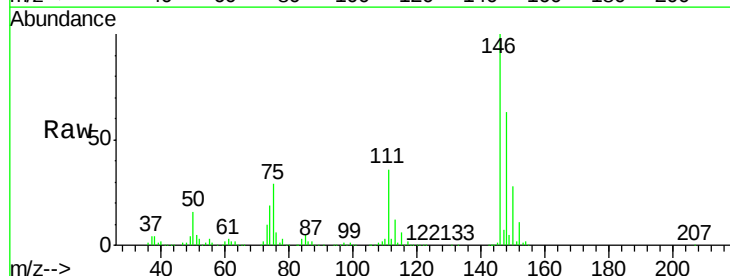
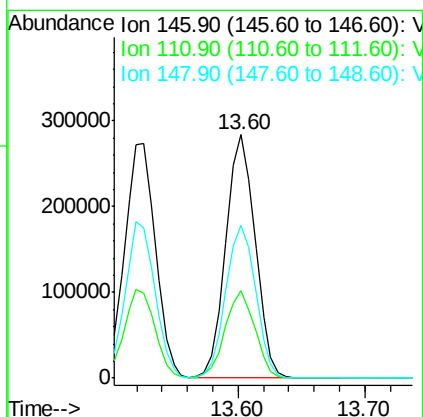
RT: 13.60 min Scan# 1986

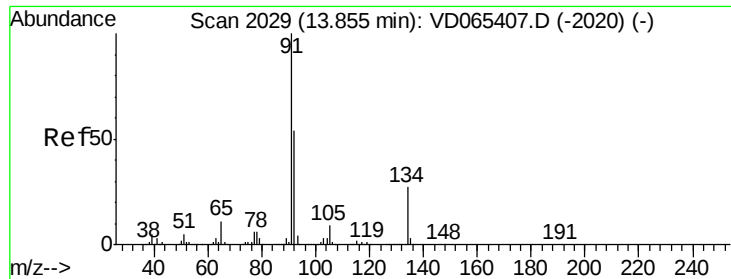
Delta R.T. -0.01 min

Lab File: VD065457.D

Acq: 09 Mar 2020 18:42

Tgt Ion:	146	Resp:	455703
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.5	55.5
148	64.1	32.0	96.0





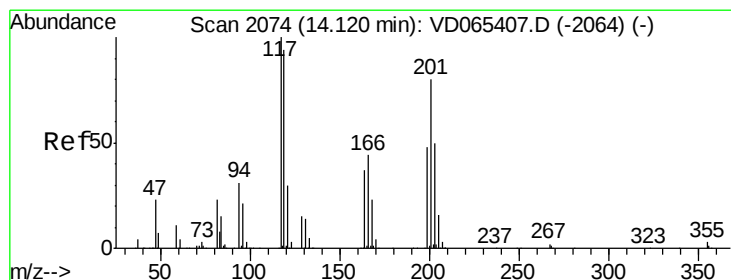
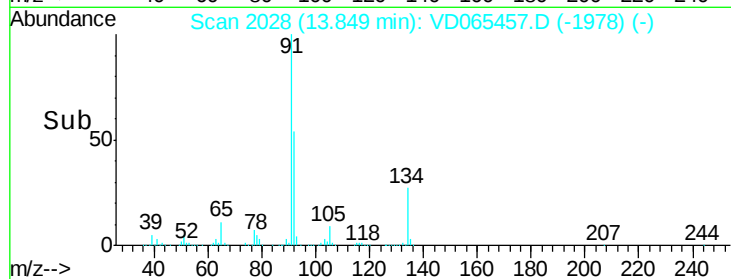
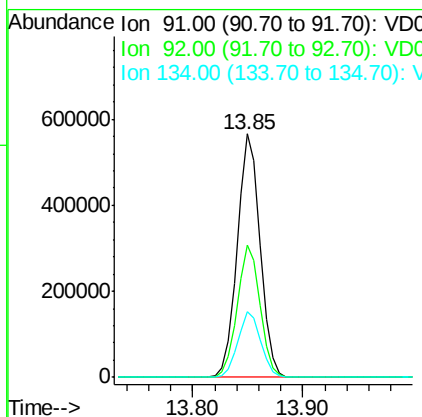
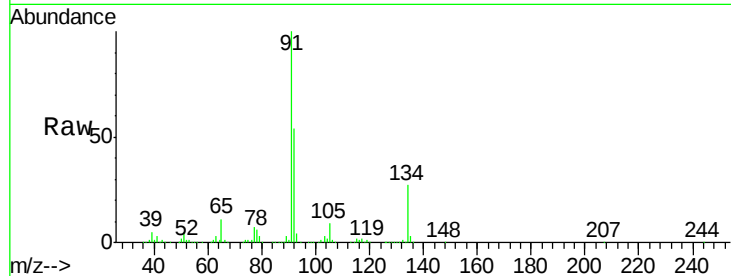
#89
n-Butylbenzene
Concen: 49.763 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.4
134	26.8	13.4	40.2

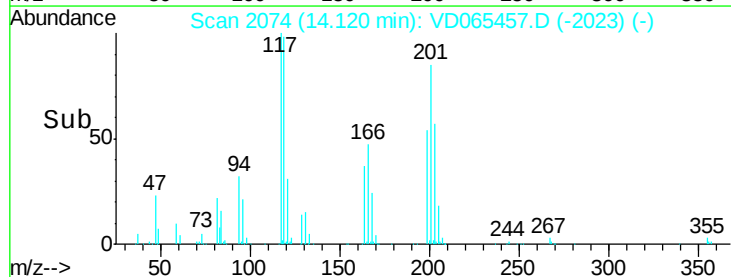
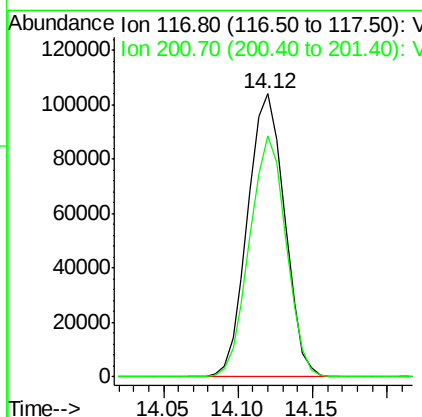
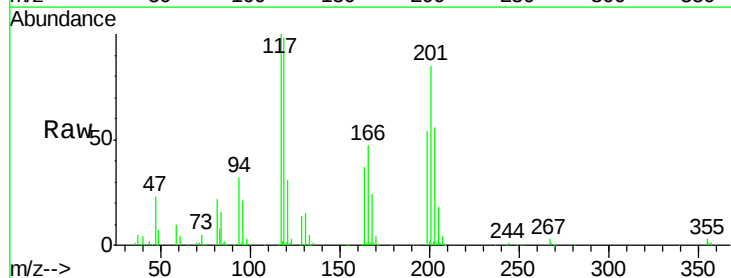
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#90
Hexachloroethane
Concen: 48.639 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	41.9	125.6





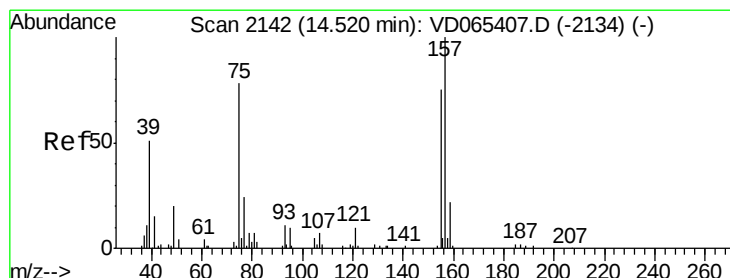
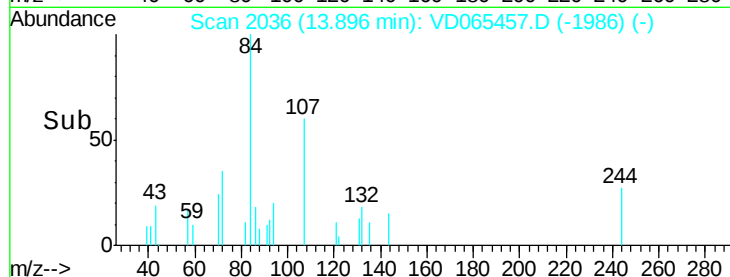
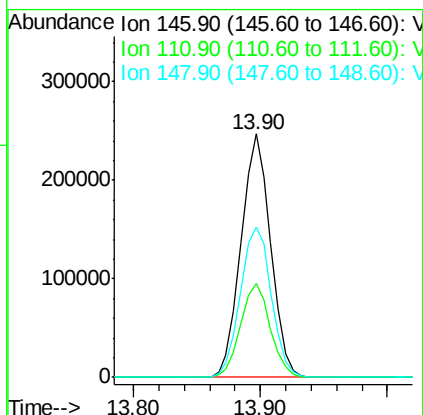
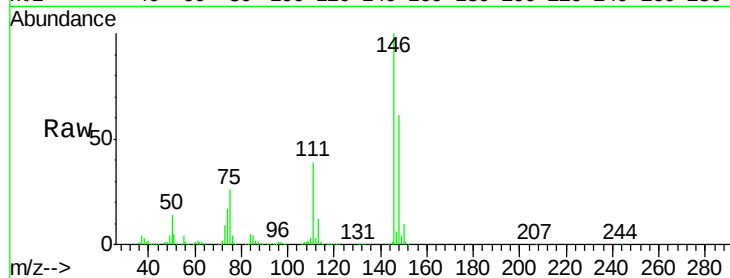
#91
 1,2-Dichlorobenzene
 Concen: 49.676 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	64.5	32.6	97.8

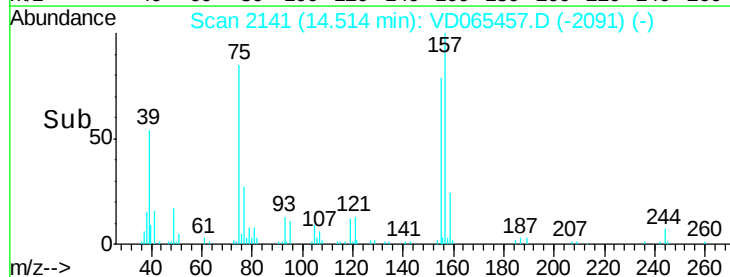
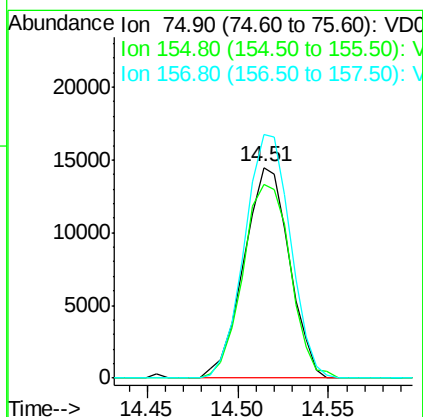
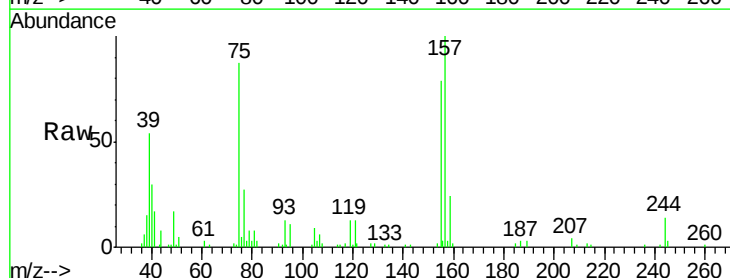
Manual Integrations
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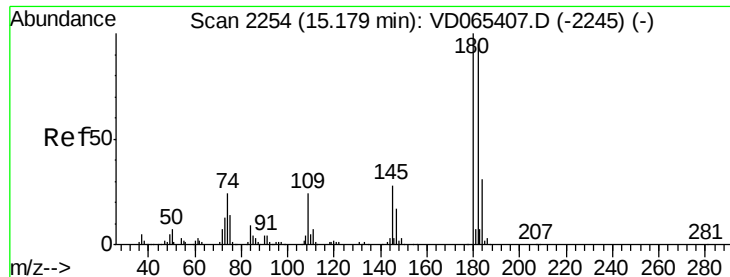
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.050 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	46.4	139.1
157	116.0	60.2	180.4





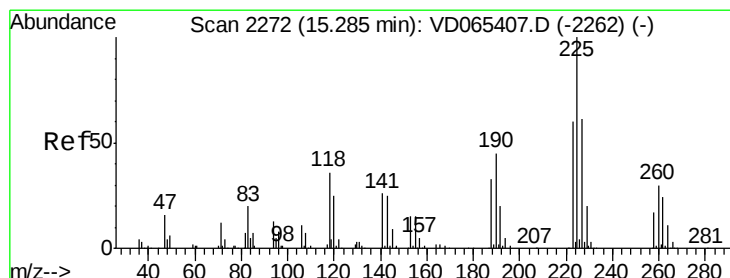
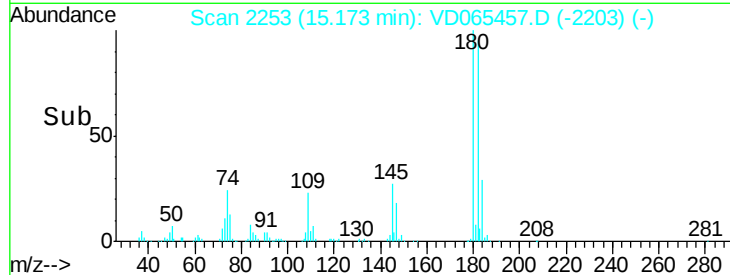
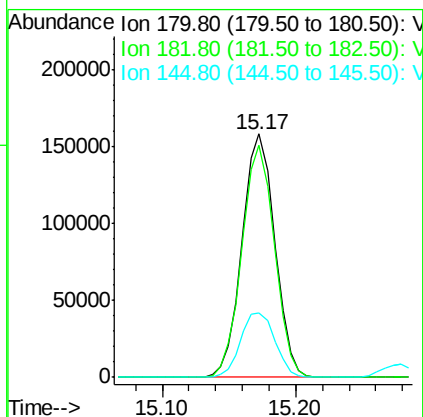
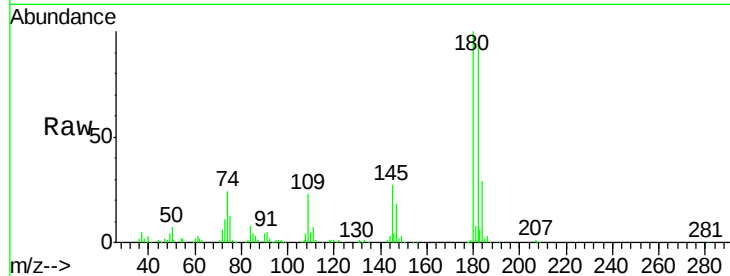
#93
 1,2,4-Trichlorobenzene
 Concen: 49.283 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268082		
182	95.0	48.3	144.9	
145	27.9	14.4	43.4	

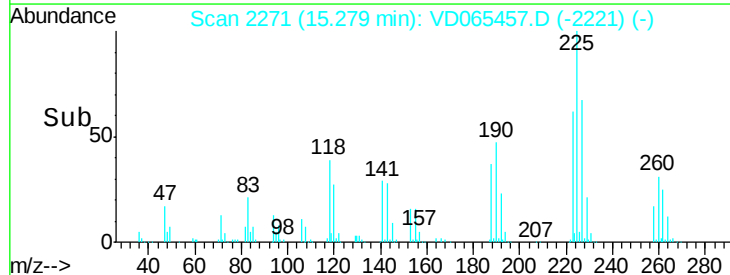
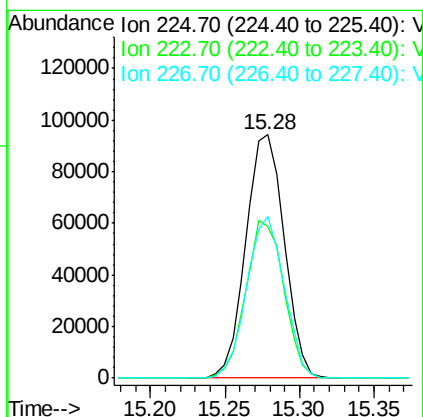
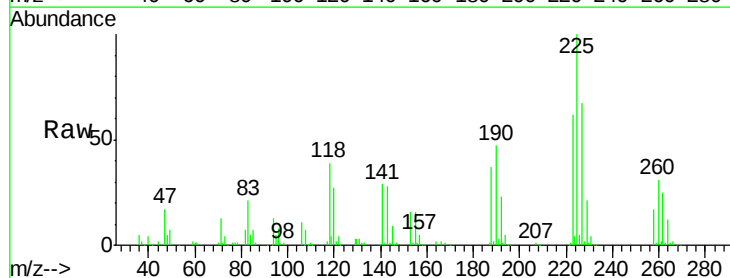
Manual Integrations
 APPROVED

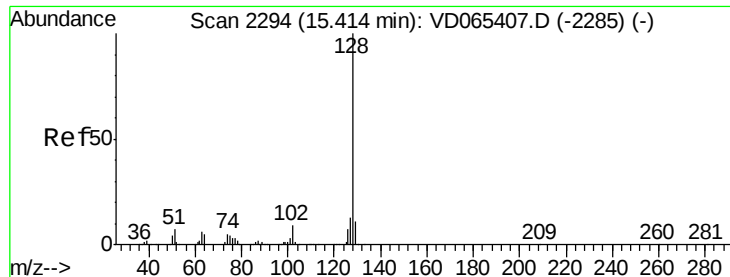
MMDadoda
 3/10/2020 3:34:29 PM



#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065457.D
 Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167952		
223	63.9	30.9	92.5	
227	64.9	31.6	94.7	





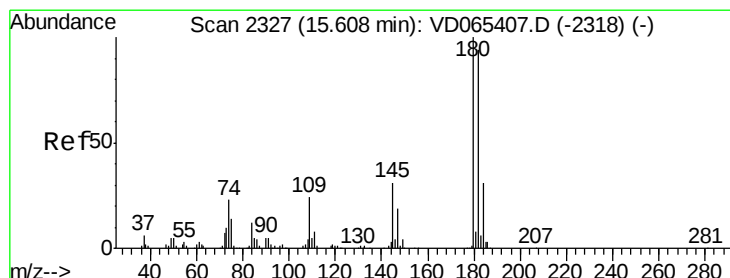
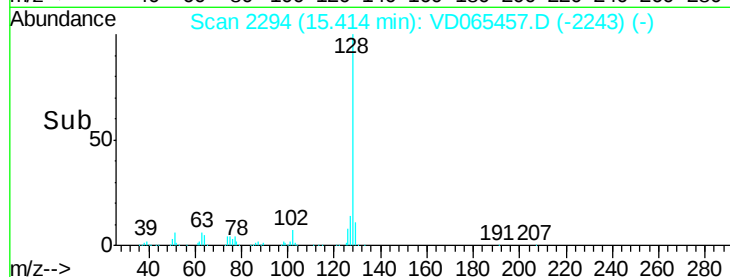
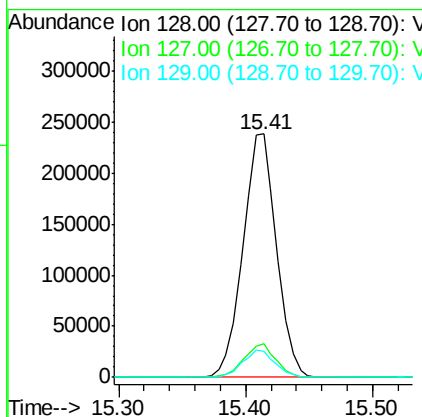
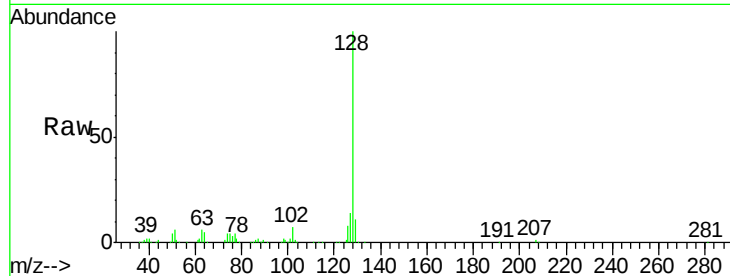
#95
Naphthalene
Concen: 45.505 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/10/2020 3:34:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.020 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065457.D
Acq: 09 Mar 2020 18:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	46.9	140.6
145	30.9	15.0	45.1

