

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065483.D
 Acq On : 12 Mar 2020 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:06:59 PM

Quant Time: Mar 13 04:36:42 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	488969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	685690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	202687	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.92	113	216529	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.34	98	848782	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.64	95	266215	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171423	40.792	ug/l	100
3) Chloromethane	2.21	50	212139	41.813	ug/l	96
4) Vinyl Chloride	2.36	62	225015	44.965	ug/l	96
5) Bromomethane	2.78	94	137405	48.897	ug/l	99
6) Chloroethane	2.93	64	138953	45.337	ug/l	100
7) Trichlorofluoromethane	3.28	101	334013	45.298	ug/l	99
8) Diethyl Ether	3.71	74	93659	42.712	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	217088	45.712	ug/l	99
10) Methyl Iodide	4.30	142	237718	48.182	ug/l	99
11) Tert butyl alcohol	5.24	59	51146	212.588	ug/l	99
12) 1,1-Dichloroethene	4.07	96	201502	44.311	ug/l	95
13) Acrolein	3.93	56	94288	227.243	ug/l	98
14) Allyl chloride	4.71	41	302478	43.300	ug/l	99
15) Acrylonitrile	5.43	53	209667	219.784	ug/l	99
16) Acetone	4.17	43	224674	264.861	ug/l	100
17) Carbon Disulfide	4.40	76	646600	42.697	ug/l	99
18) Methyl Acetate	4.72	43	88430	41.096	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	389620	44.553	ug/l	97
20) Methylene Chloride	4.96	84	222013	48.061	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	235051	46.465	ug/l	96
22) Diisopropyl ether	6.37	45	617240	47.531	ug/l	97
23) Vinyl Acetate	6.31	43	1680518	233.065	ug/l	100
24) 1,1-Dichloroethane	6.27	63	381094	45.753	ug/l	99
25) 2-Butanone	7.22	43	262360	226.642	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343525	47.194	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	241786	46.761	ug/l	99
28) Bromochloromethane	7.55	49	151417	45.436	ug/l	98
29) Tetrahydrofuran	7.57	42	159199	215.351	ug/l	98
30) Chloroform	7.71	83	392349	47.127	ug/l	99
31) Cyclohexane	7.98	56	363125	43.598	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	359119	46.677	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320602	48.777	ug/l	99
37) Ethyl Acetate	7.30	43	115133	45.319	ug/l	99
38) Carbon Tetrachloride	8.10	117	330407	48.477	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	385156	48.518	ug/l	97
40) Benzene	8.36	78	906384	49.321	ug/l	100
41) Methacrylonitrile	7.53	41	76156	56.683	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	232133	48.373	ug/l	100
43) Isopropyl Acetate	8.46	43	205736	43.859	ug/l	97
44) Trichloroethene	9.11	130	253782	48.900	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216972	48.741	ug/l	97
46) Dibromomethane	9.48	93	112463	48.705	ug/l	99
47) Bromodichloromethane	9.67	83	294854	49.084	ug/l	99
48) Methyl methacrylate	9.46	41	110698	50.169	ug/l	92
49) 1,4-Dioxane	9.47	88	23637	894.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	558401	236.558	ug/l	100
52) Toluene	10.41	92	586009	50.618	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	270753	48.231	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	331641	48.807	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	157237	48.079	ug/l	99
56) Ethyl methacrylate	10.67	69	175995	47.736	ug/l	99
57) 1,3-Dichloropropane	10.96	76	263214	47.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	257583	223.768	ug/l	99
59) 2-Hexanone	10.99	43	410002	250.911	ug/l	99
60) Dibromochloromethane	11.14	129	207403	49.475	ug/l	100
61) 1,2-Dibromoethane	11.26	107	148896	47.731	ug/l	100
64) Tetrachloroethene	10.88	164	220221	49.185	ug/l	98
65) Chlorobenzene	11.68	112	602639	48.737	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	227980	50.624	ug/l	96
67) Ethyl Benzene	11.75	91	1081642	50.626	ug/l	99
68) m/p-Xylenes	11.86	106	841701	102.170	ug/l	99
69) o-Xylene	12.19	106	370430	51.117	ug/l	100
70) Styrene	12.20	104	652667	51.174	ug/l	99
71) Bromoform	12.37	173	120566	47.663	ug/l #	98
73) Isopropylbenzene	12.48	105	1030711	50.159	ug/l	100
74) N-amyl acetate	12.30	43	188320	44.765	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	164951	45.668	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	114225m	46.335	ug/l	
77) Bromobenzene	12.77	156	249701	48.910	ug/l	97
78) n-propylbenzene	12.83	91	1242872	50.977	ug/l	100
79) 2-Chlorotoluene	12.91	91	672195	48.919	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	863929	51.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	53178	45.523	ug/l	98
82) 4-Chlorotoluene	13.01	91	715220	49.533	ug/l	100
83) tert-Butylbenzene	13.23	119	744490	52.092	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	847163	50.874	ug/l	100
85) sec-Butylbenzene	13.41	105	1026967	50.340	ug/l	99
86) p-Isopropyltoluene	13.53	119	954554	51.278	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	480498	48.954	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	467813	47.913	ug/l	100
89) n-Butylbenzene	13.86	91	871078	50.615	ug/l	99
90) Hexachloroethane	14.13	117	187180	48.826	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	406368	48.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	23650	42.993	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273538	48.317	ug/l	99
94) Hexachlorobutadiene	15.28	225	184844	49.691	ug/l	99
95) Naphthalene	15.41	128	424020	42.726	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	237103	48.467	ug/l	98

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

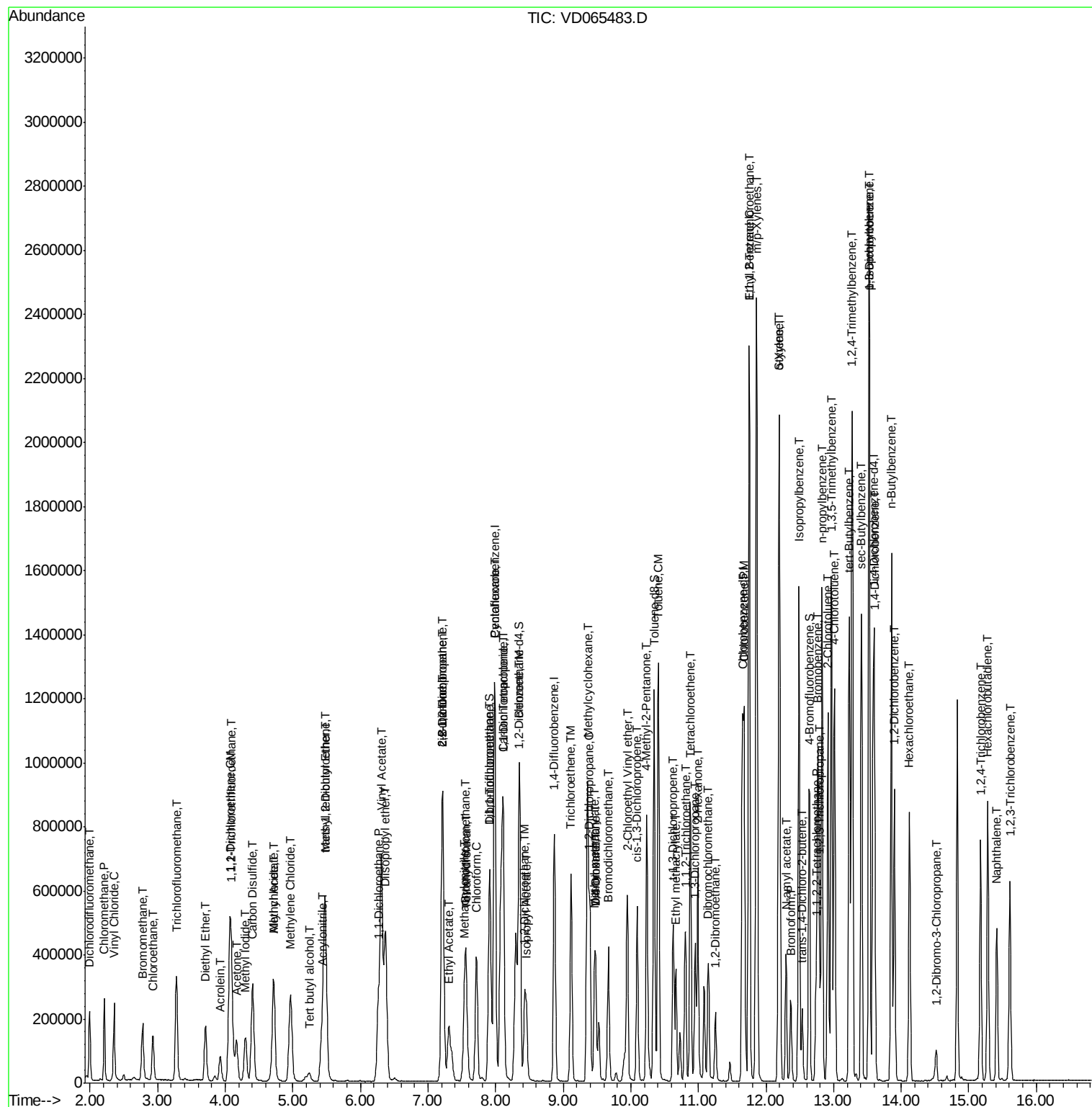
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Operator : VA/SY
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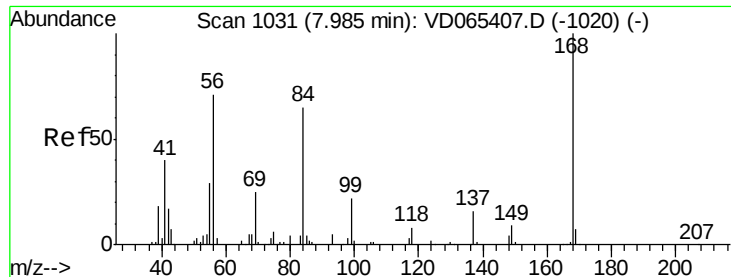
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 488969

Ion Ratio Lower Upper

168 100

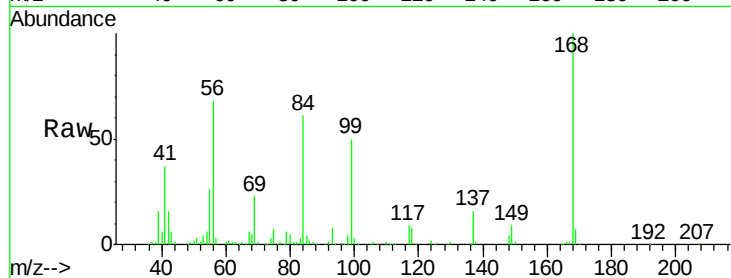
99 50.0 41.5 62.3

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

250000

200000

150000

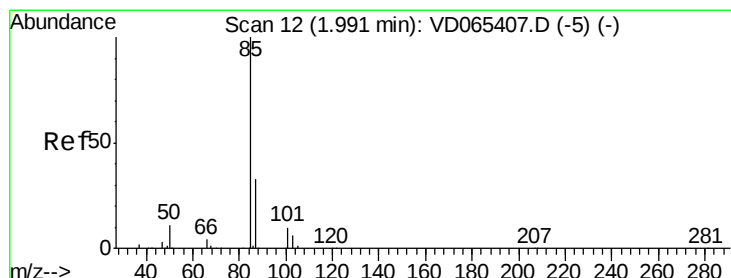
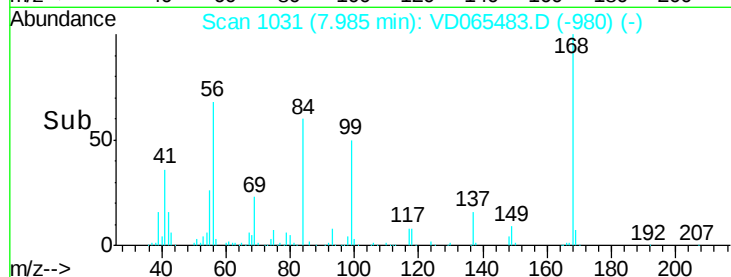
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.792 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065483.D

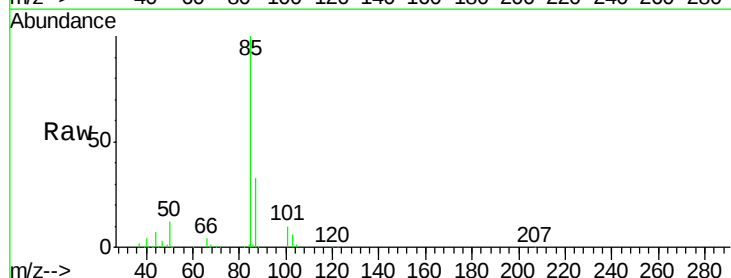
Acq: 12 Mar 2020 10:17

Tgt Ion: 85 Resp: 171423

Ion Ratio Lower Upper

85 100

87 32.7 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

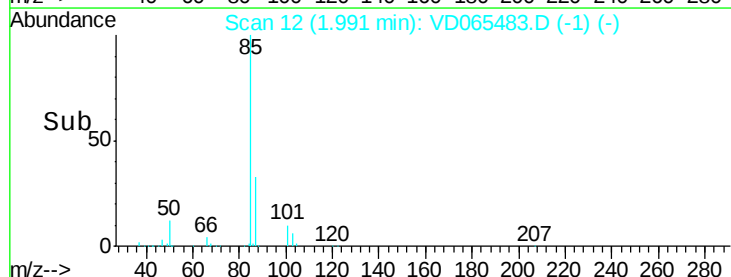
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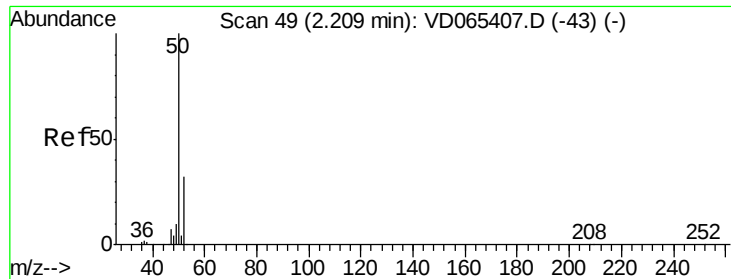
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.813 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 212139

Ion Ratio Lower Upper

50 100

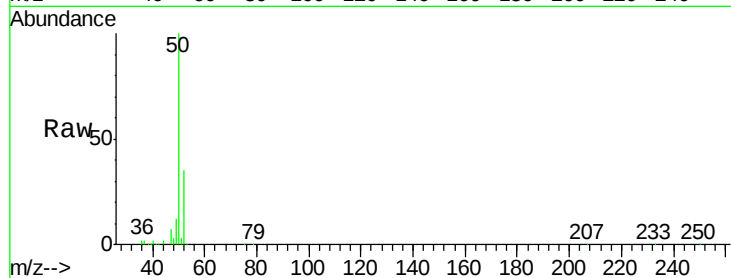
52 34.6 25.8 38.8

Manual Integrations

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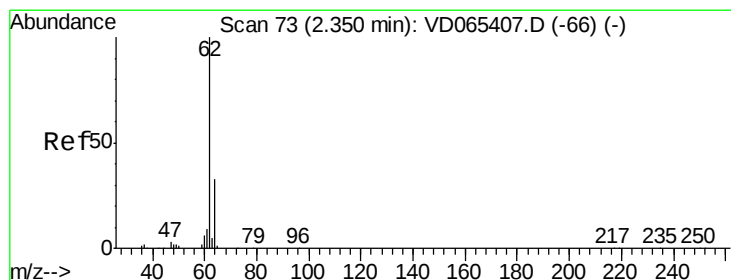
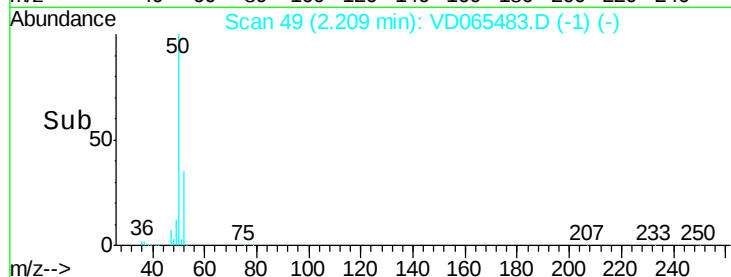
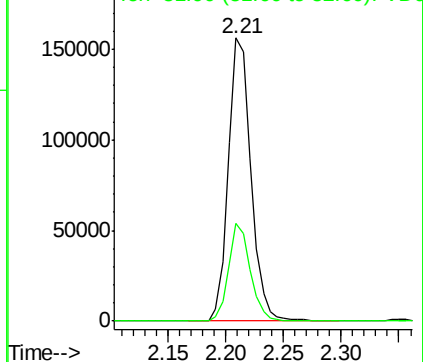
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.965 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065483.D

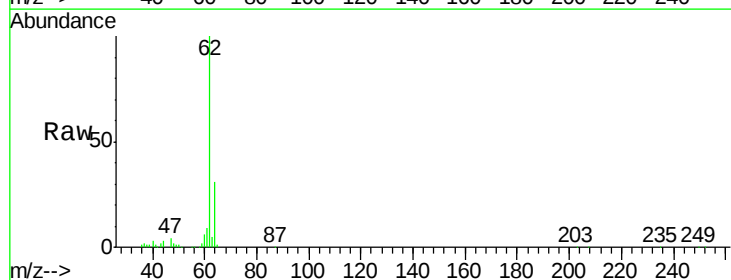
Acq: 12 Mar 2020 10:17

Tgt Ion: 62 Resp: 225015

Ion Ratio Lower Upper

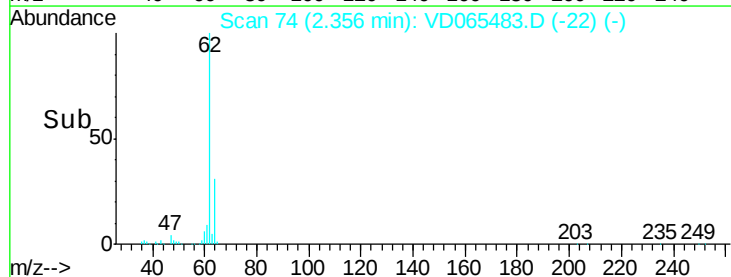
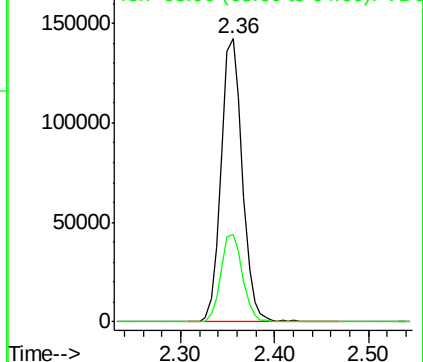
62 100

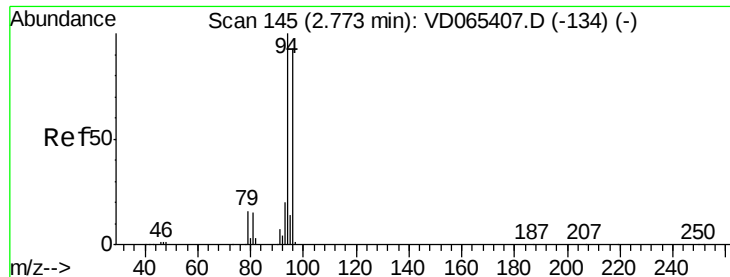
64 31.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.897 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 137405

Ion Ratio Lower Upper

94 100

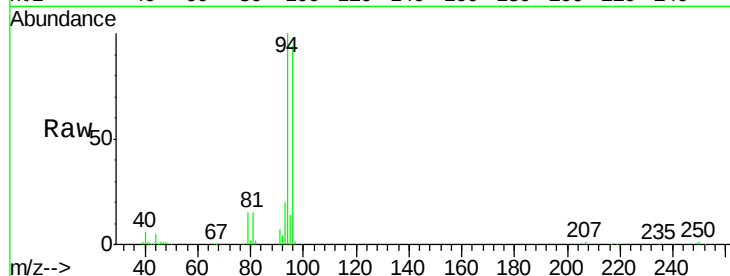
96 93.7 74.4 111.6

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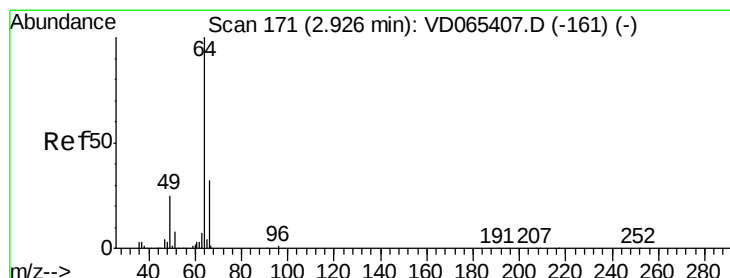
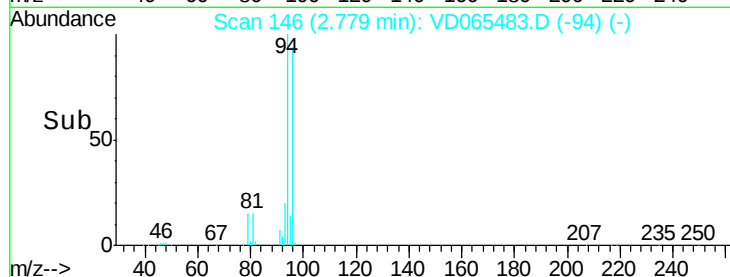
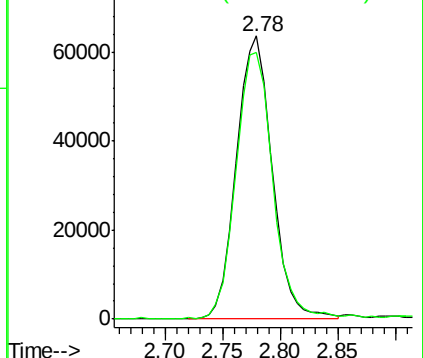
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.337 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065483.D

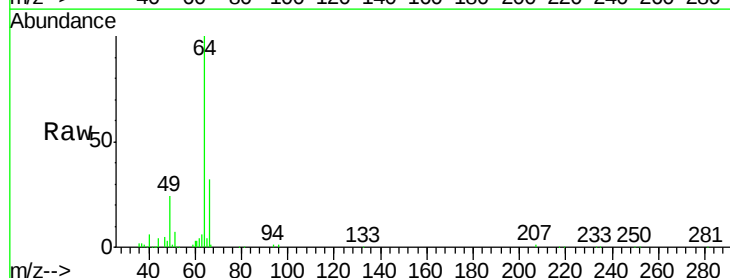
Acq: 12 Mar 2020 10:17

Tgt Ion: 64 Resp: 138953

Ion Ratio Lower Upper

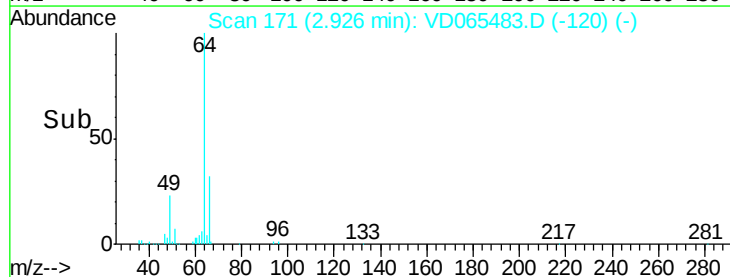
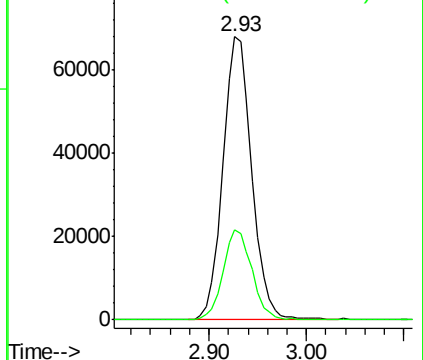
64 100

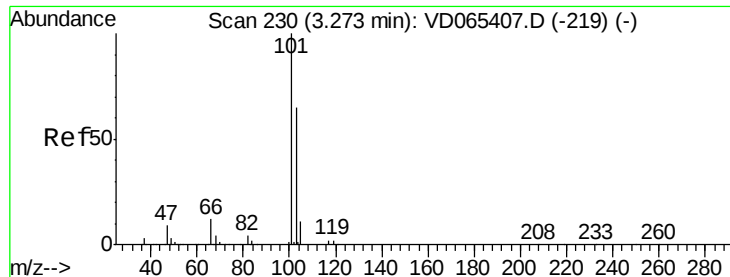
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

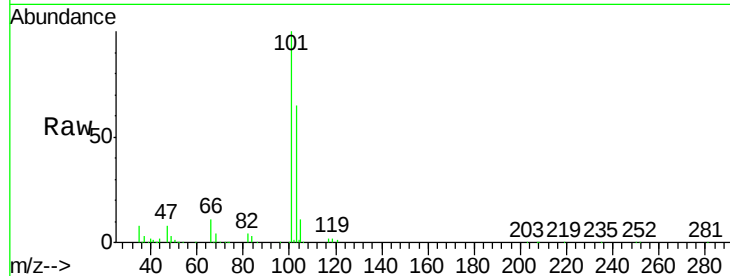
Trichlorofluoromethane
Concen: 45.298 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

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VSTDCCC050

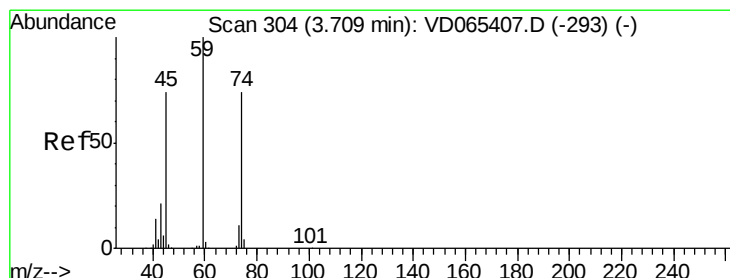
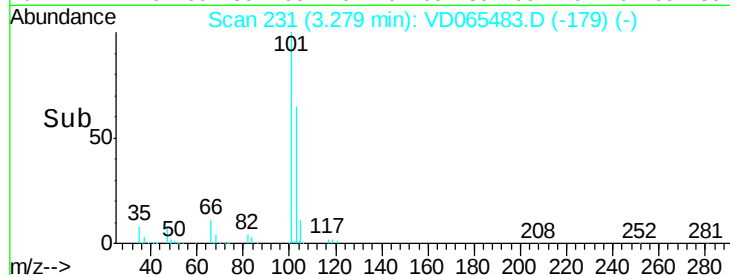
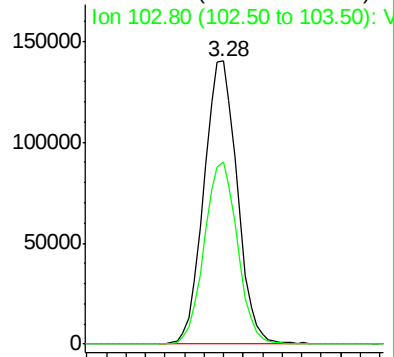
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1

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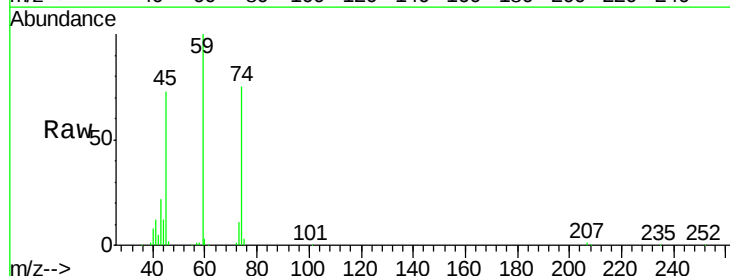
Abundance Ion 100.90 (100.60 to 101.60): V



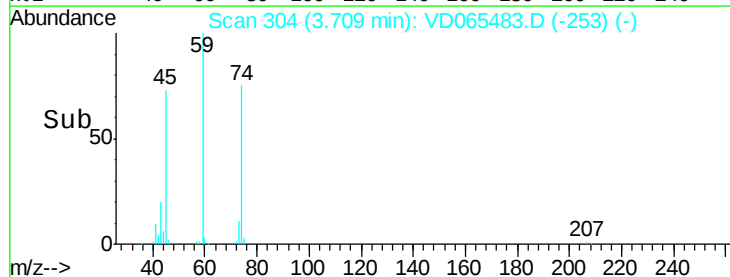
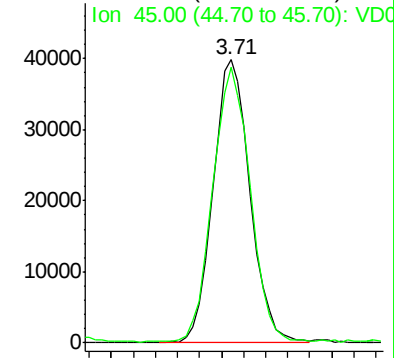
#8

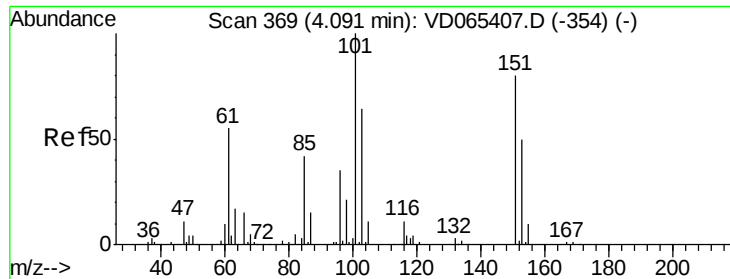
Diethyl Ether
Concen: 42.712 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065483.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.5	148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.712 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

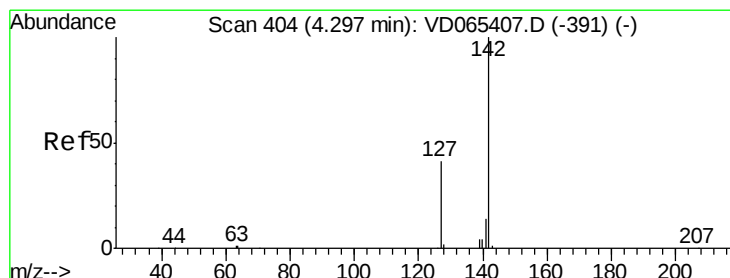
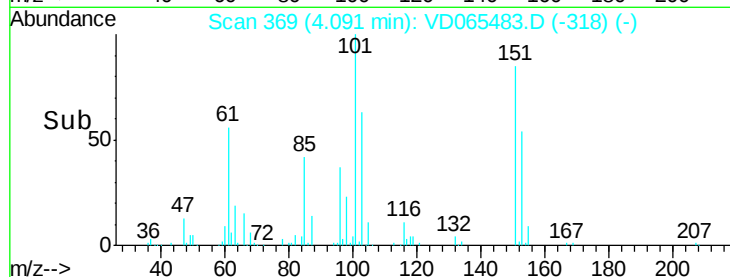
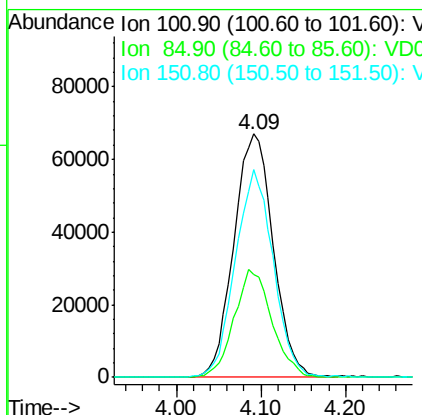
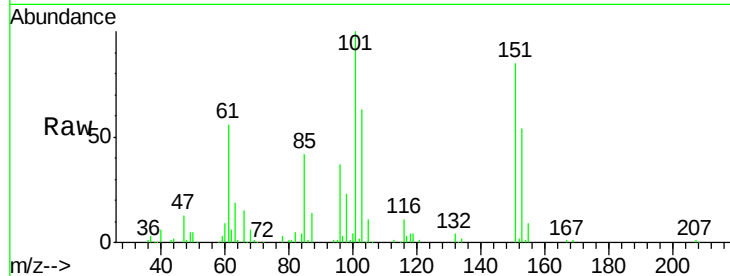
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	217088
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	82.0	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 48.182 ug/l

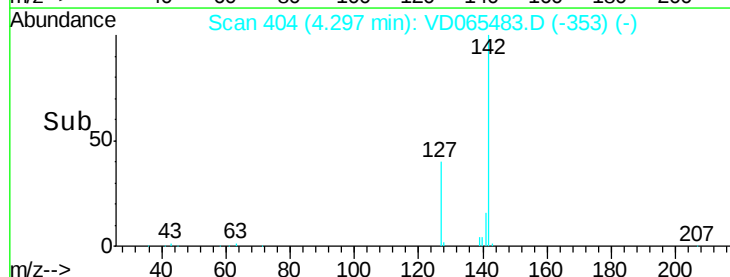
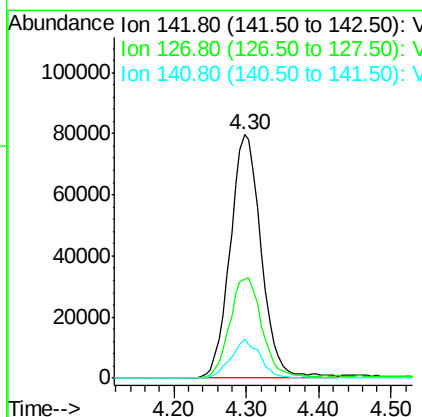
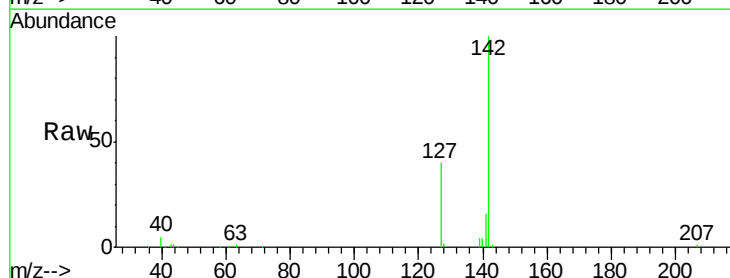
RT: 4.30 min Scan# 404

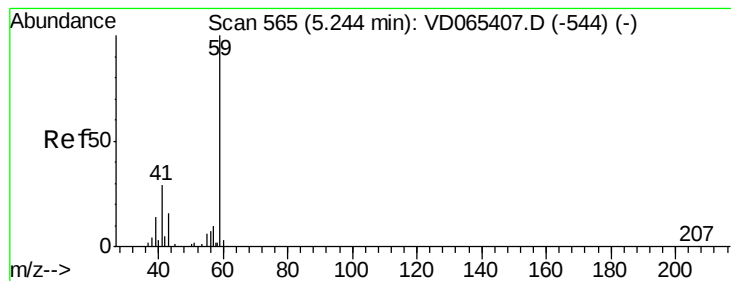
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	142	Resp:	237718
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.0	52.6
141	14.8	12.4	18.6





#11

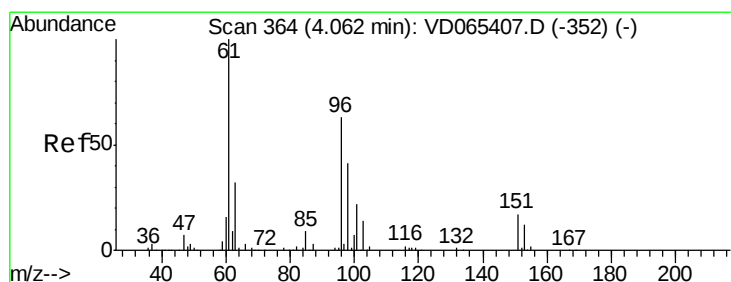
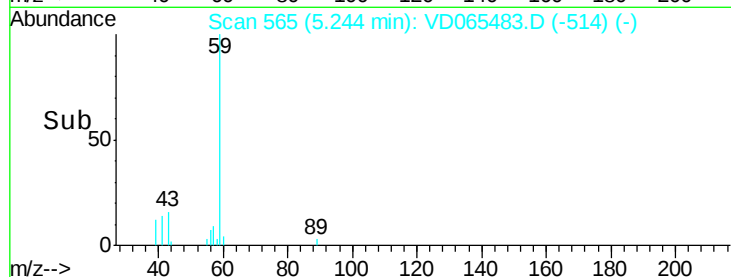
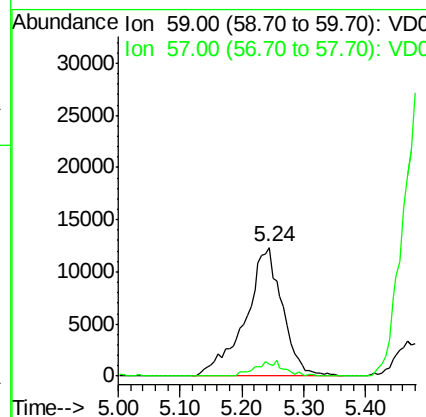
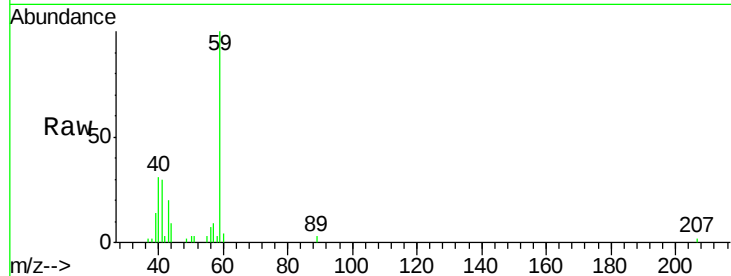
Tert butyl alcohol
Concen: 212.588 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	51146		
57	8.8		6.9	10.3

Manual Integrations
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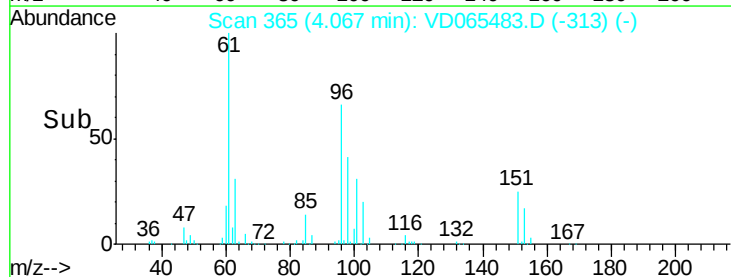
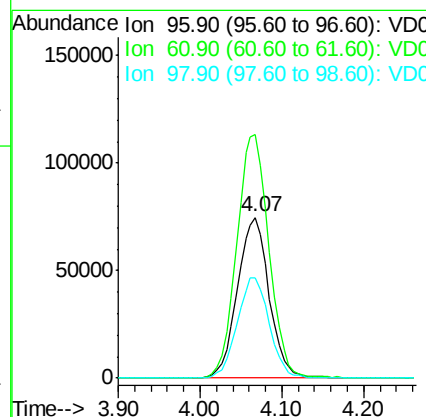
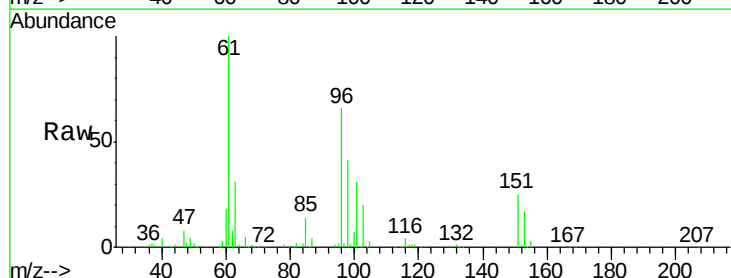
MMDadoda
3/16/2020 12:06:59 PM

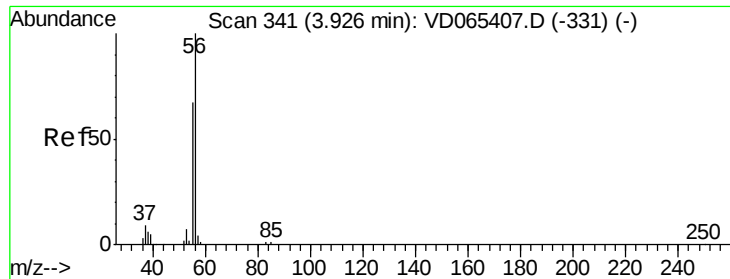


#12

1,1-Dichloroethene
Concen: 44.311 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	201502		
61	151.8		128.0	192.0
98	62.2		51.9	77.9





#13

Acrolein

Concen: 227.243 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 94288

Ion Ratio Lower Upper

56 100

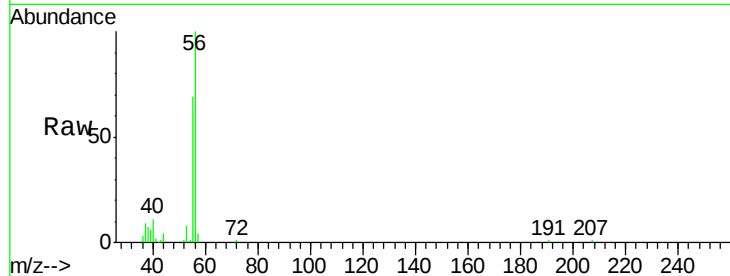
55 68.9 56.6 85.0

Manual Integrations

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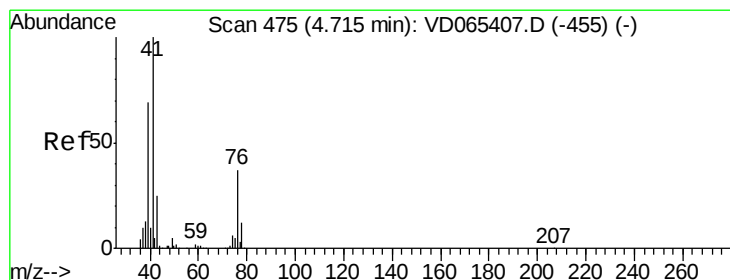
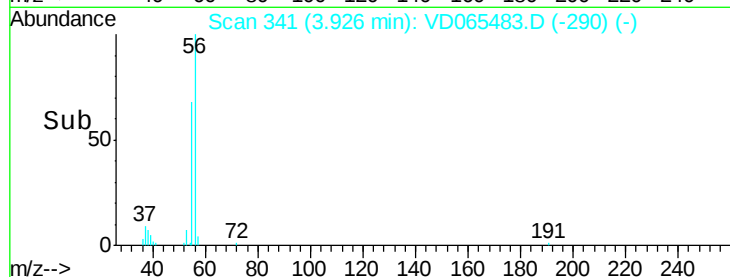
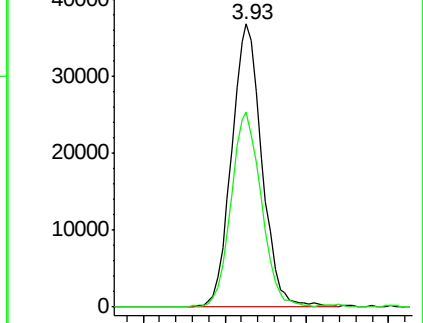
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.300 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

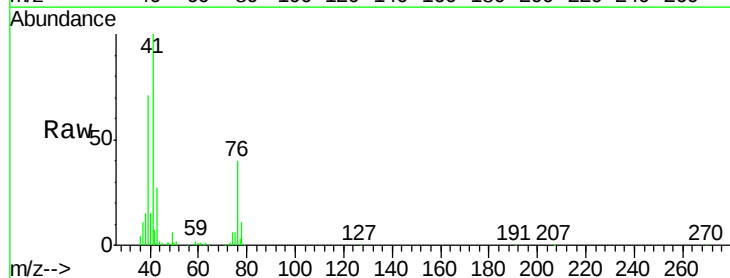
Tgt Ion: 41 Resp: 302478

Ion Ratio Lower Upper

41 100

39 66.7 52.6 79.0

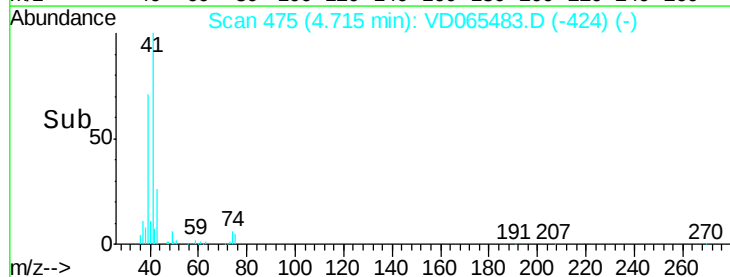
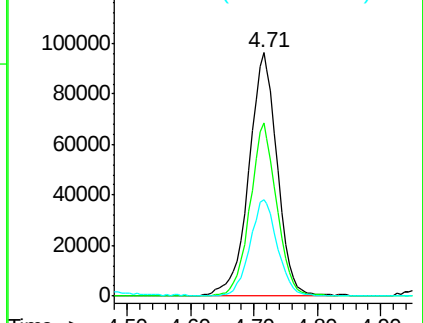
76 37.7 29.2 43.8

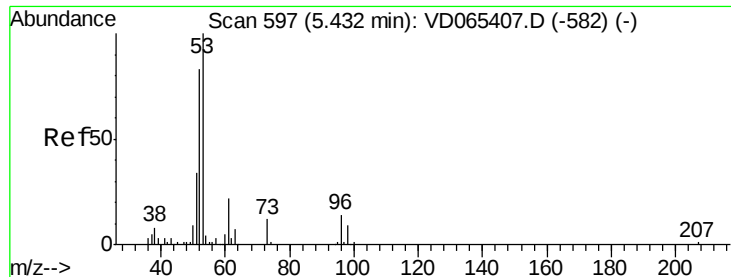


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 219.784 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

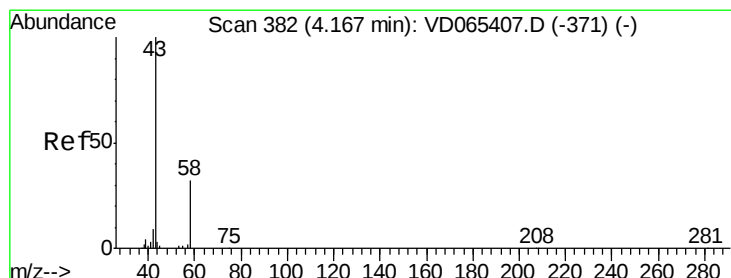
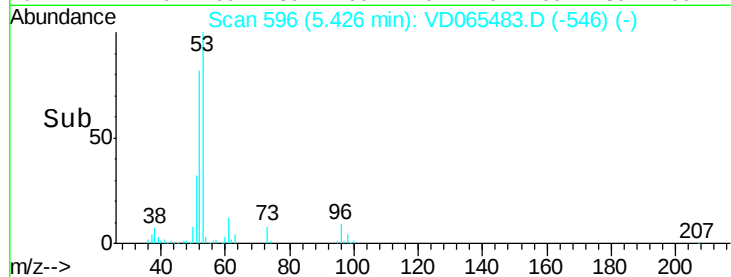
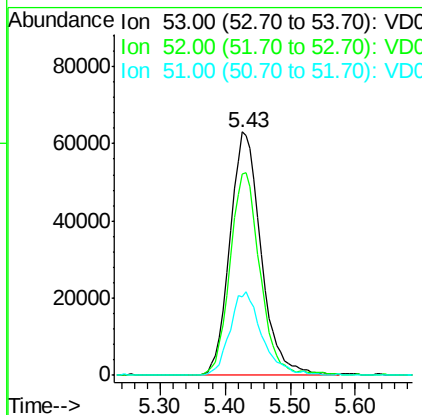
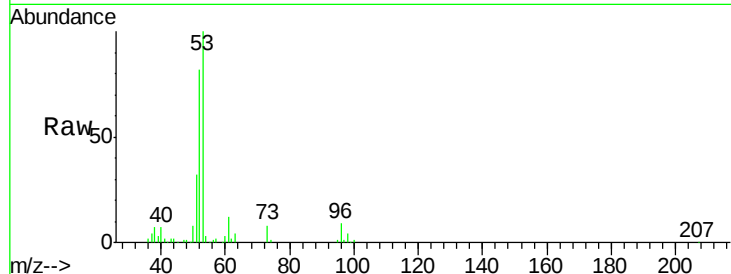
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.3	65.1	97.7	
51	35.4	28.5	42.7	

Manual Integrations
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#16

Acetone

Concen: 264.861 ug/l

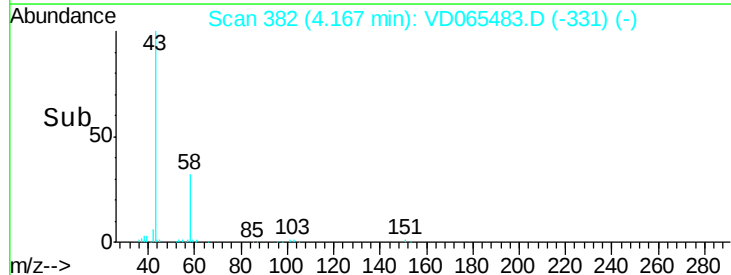
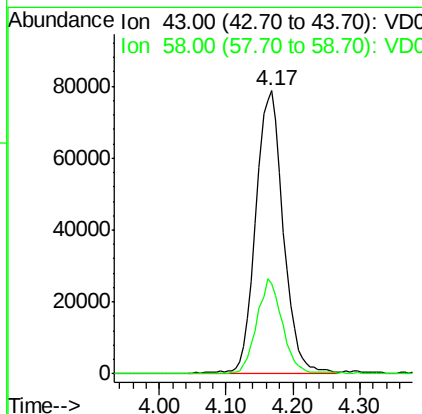
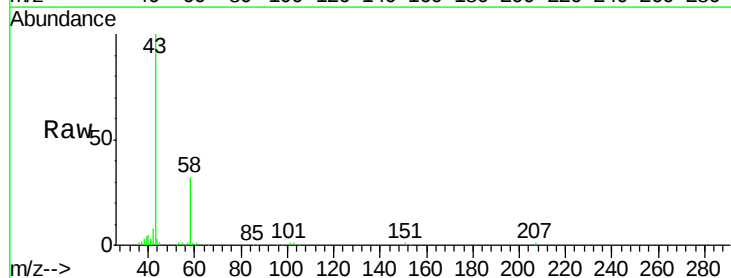
RT: 4.17 min Scan# 382

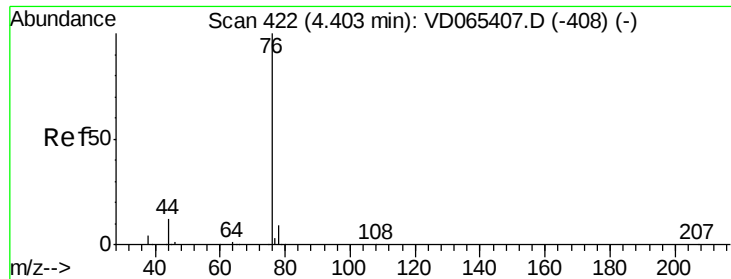
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	31.6	25.1	37.7	





#17

Carbon Disulfide

Concen: 42.697 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 646600

Ion Ratio Lower Upper

76 100

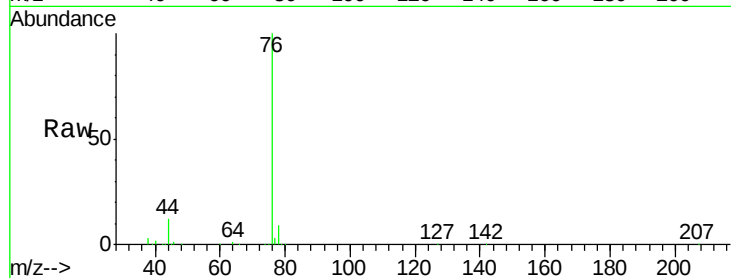
78 8.9 7.4 11.0

Manual Integrations

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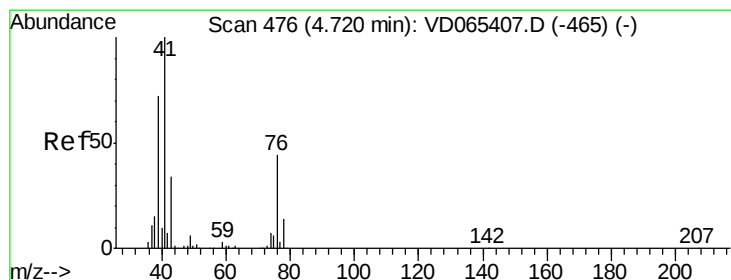
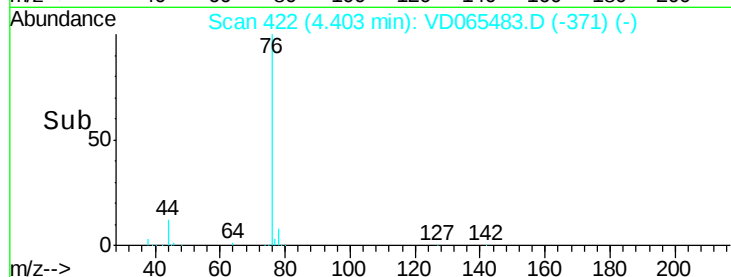
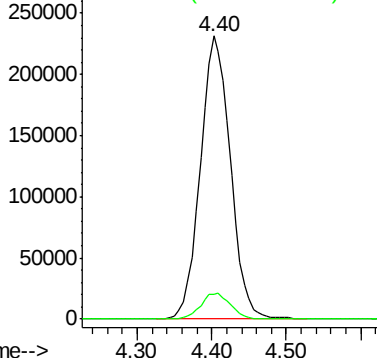
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 41.096 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065483.D

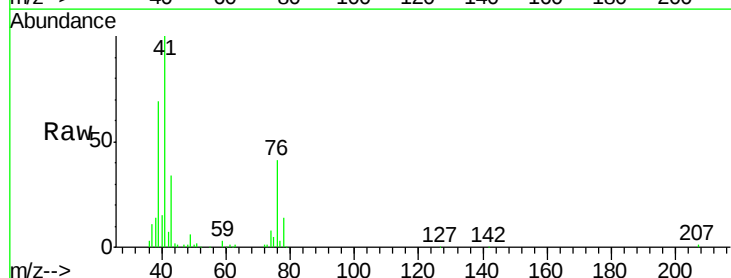
Acq: 12 Mar 2020 10:17

Tgt Ion: 43 Resp: 88430

Ion Ratio Lower Upper

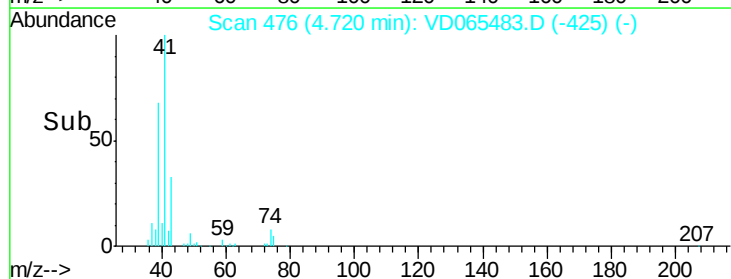
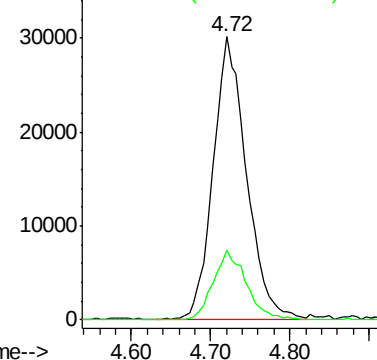
43 100

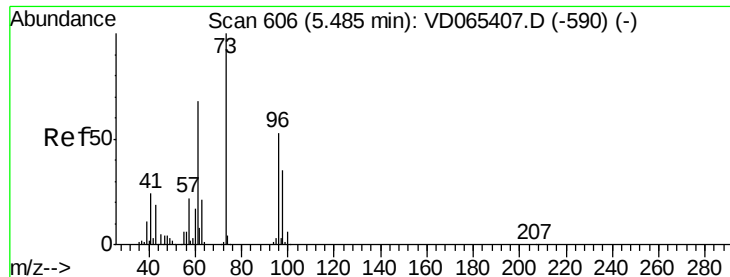
74 24.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





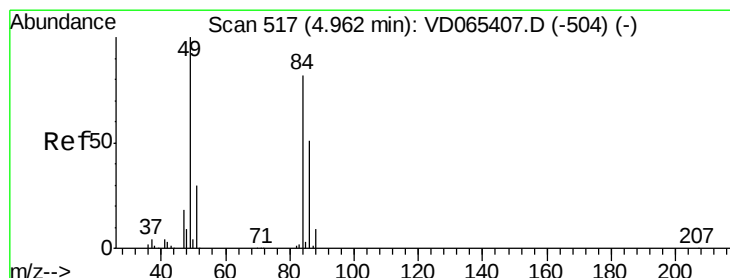
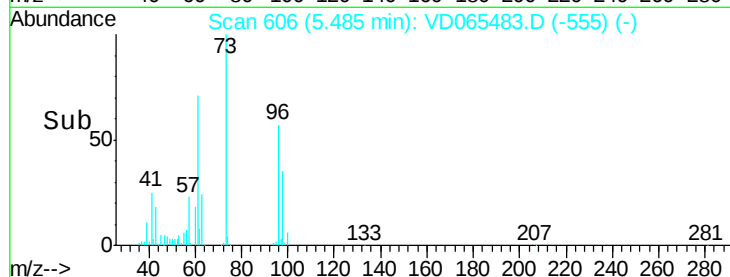
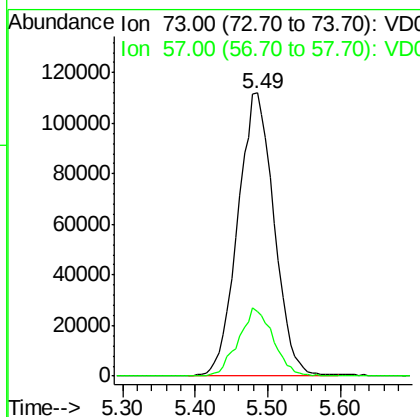
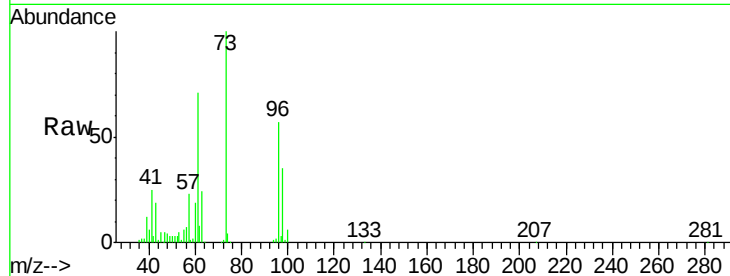
#19
Methvl tert-butvl Ether
Concen: 44.553 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 389620
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

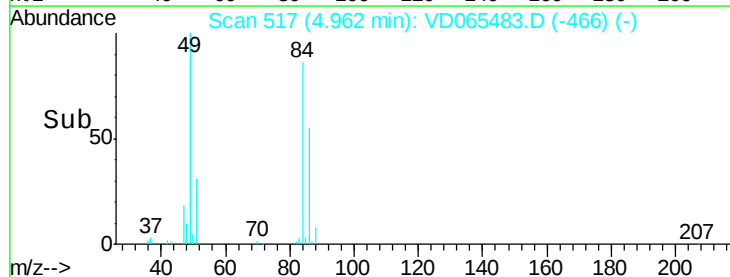
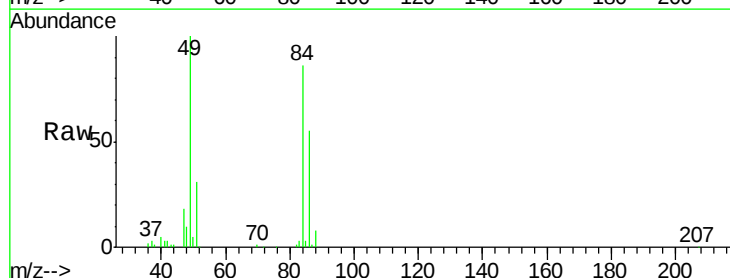
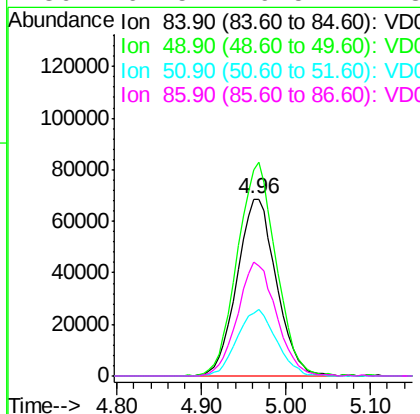
Manual Integrations
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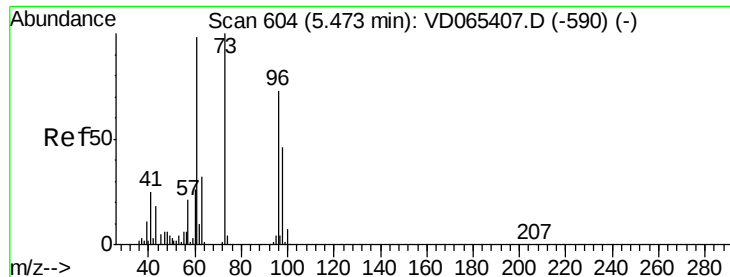
MMDadoda
3/16/2020 12:06:59 PM



#20
Methylene Chloride
Concen: 48.061 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 84 Resp: 222013
Ion Ratio Lower Upper
84 100
49 116.5 97.7 146.5
51 35.7 28.8 43.2
86 64.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.465 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

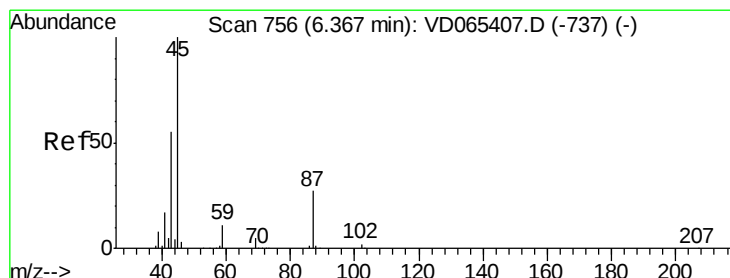
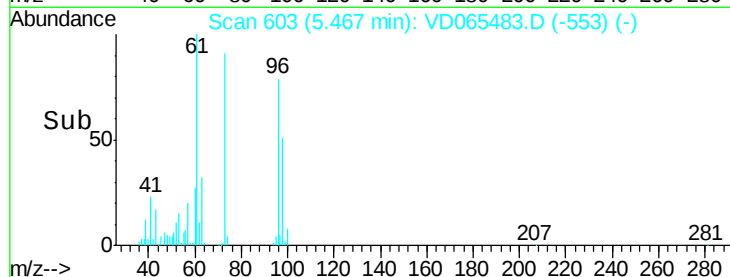
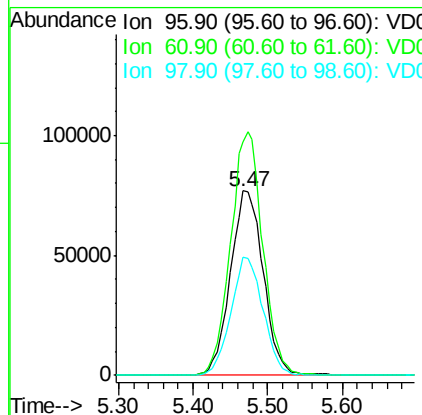
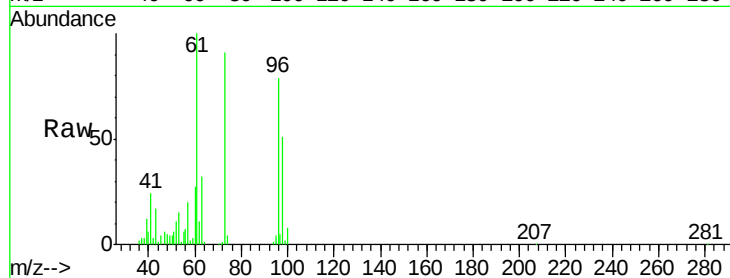
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	235051
Ion	Ratio	Lower	Upper
96	100		
61	126.5	106.3	159.5
98	63.9	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.531 ug/l

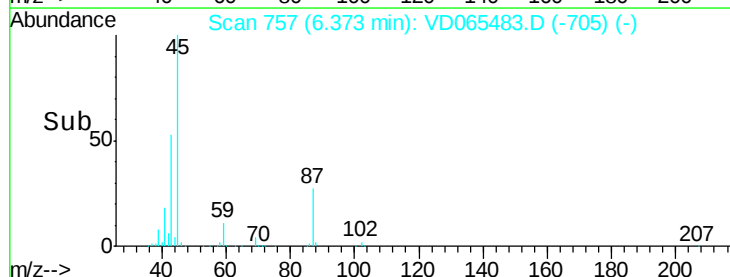
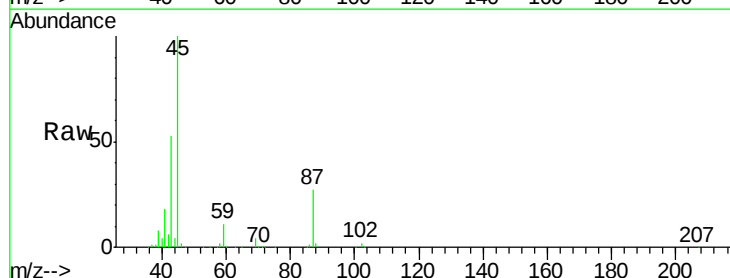
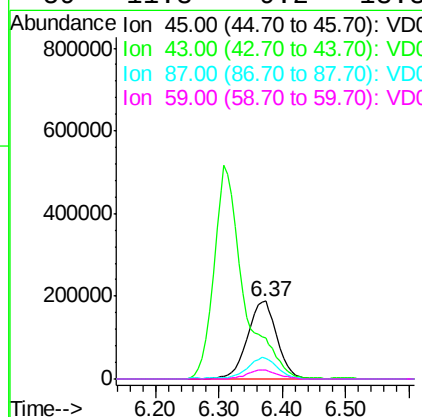
RT: 6.37 min Scan# 757

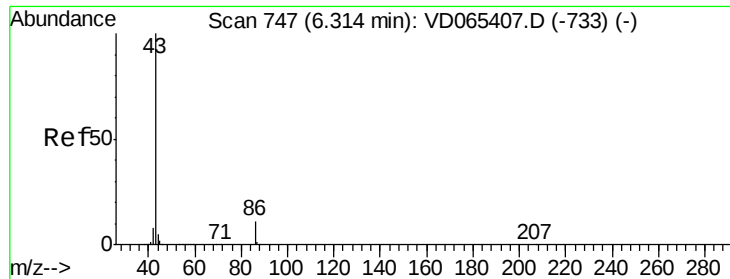
Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	45	Resp:	617240
Ion	Ratio	Lower	Upper
45	100		
43	52.2	44.4	66.6
87	26.6	21.9	32.9
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 233.065 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1680518

Ion Ratio Lower Upper

43 100

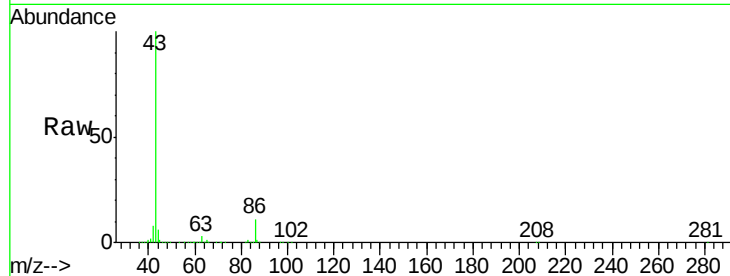
86 10.9 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

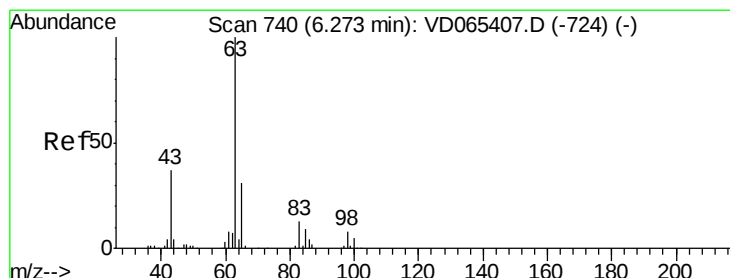
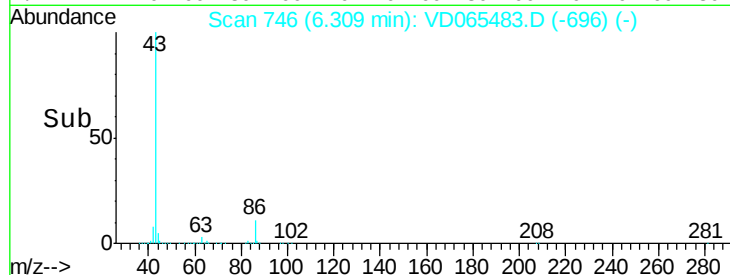
200000

100000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 45.753 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

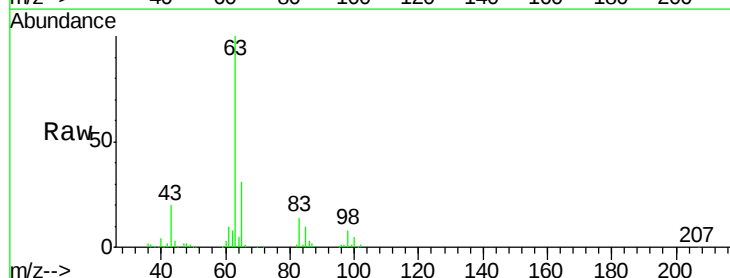
Tgt Ion: 63 Resp: 381094

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

150000

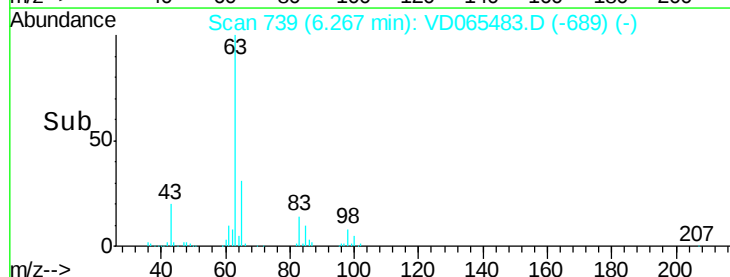
100000

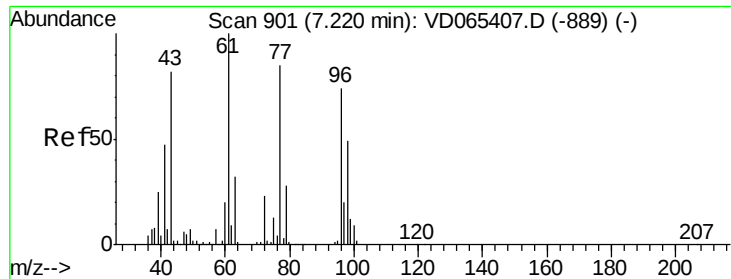
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 226.642 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 262360

Ion Ratio Lower Upper

43 100

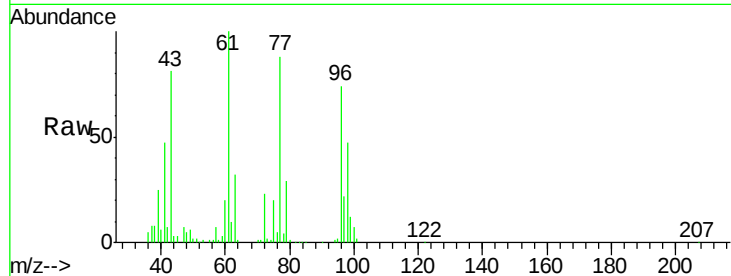
72 29.0 22.3 33.5

Manual Integrations

APPROVED

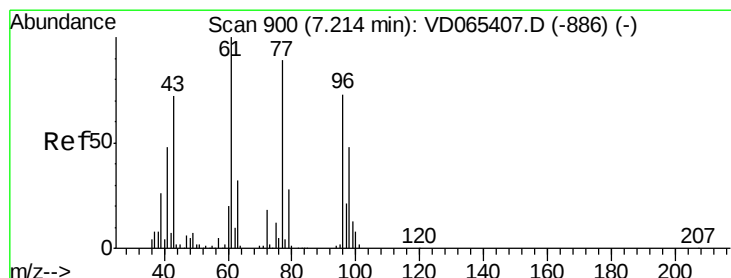
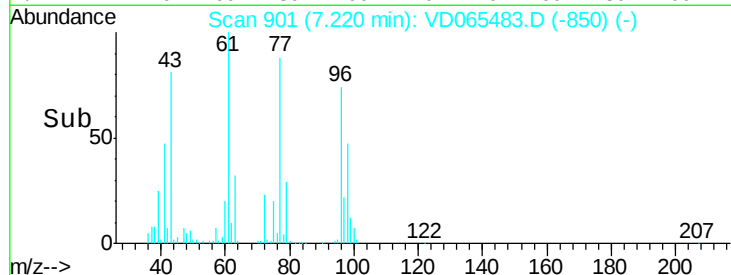
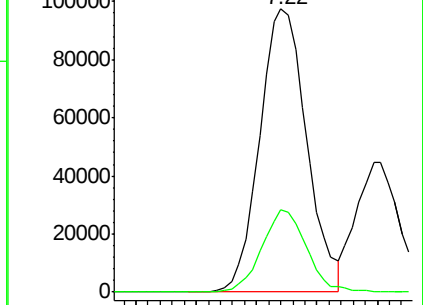
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.194 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065483.D

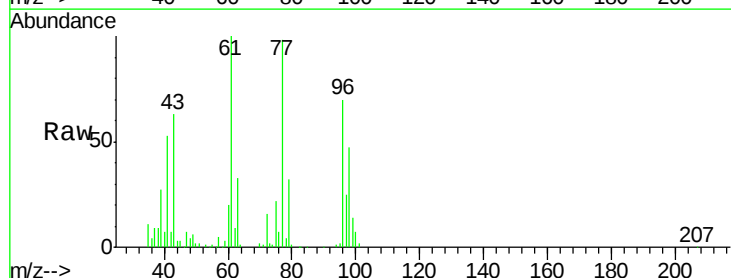
Acq: 12 Mar 2020 10:17

Tgt Ion: 77 Resp: 343525

Ion Ratio Lower Upper

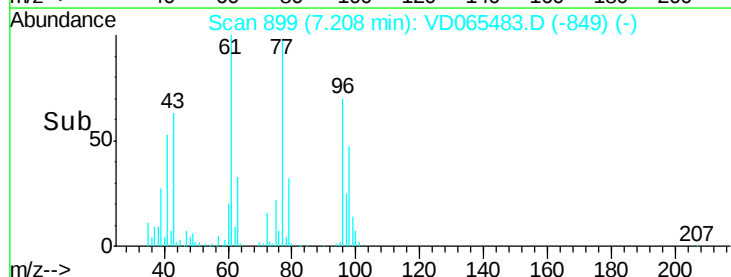
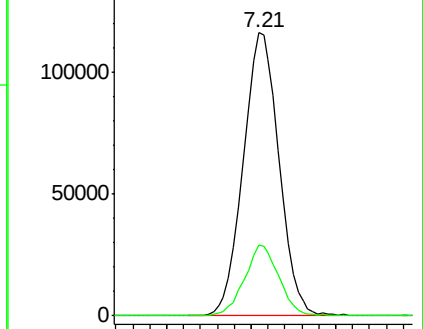
77 100

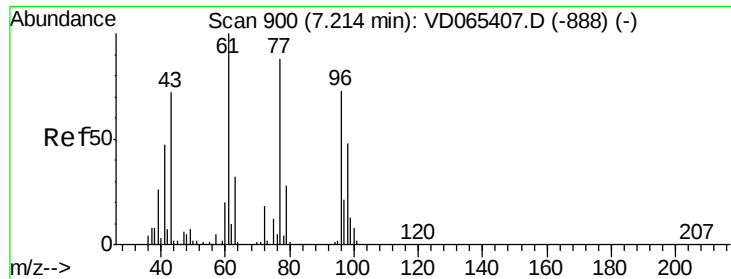
97 24.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

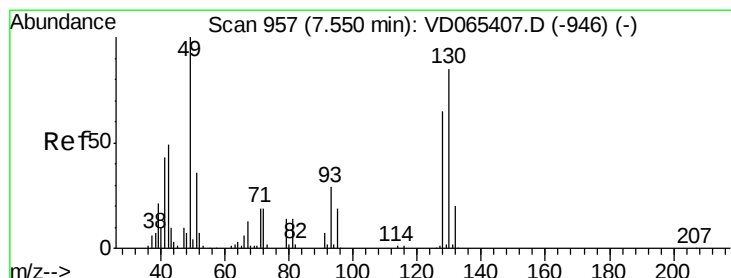
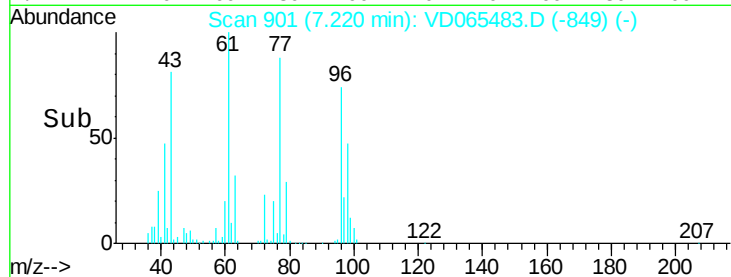
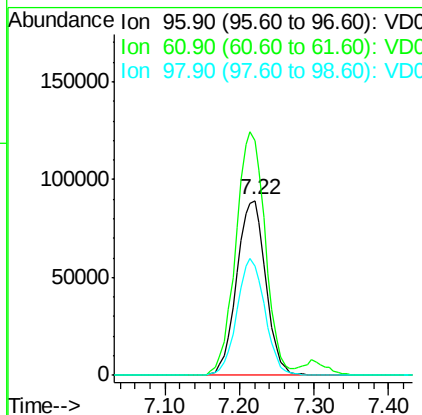
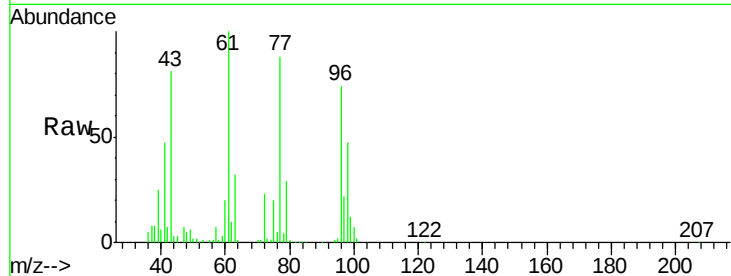
cis-1,2-Dichloroethene
Concen: 46.761 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241786		
61	140.9	0.0	280.4	
98	64.6	0.0	132.6	

Manual Integrations
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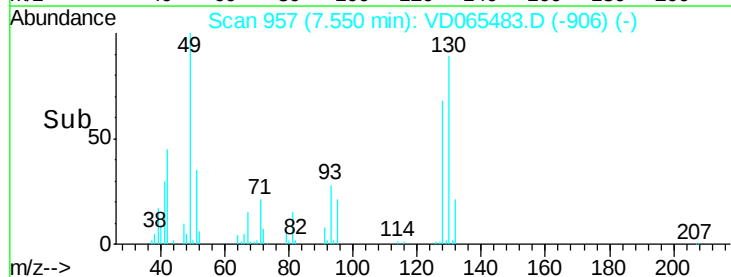
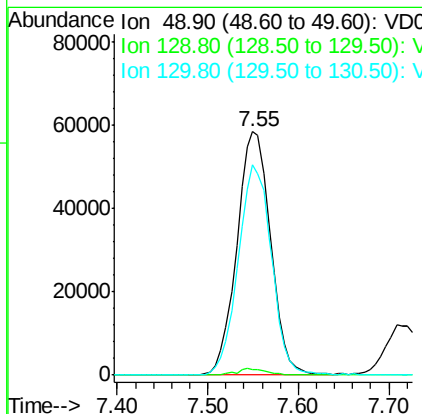
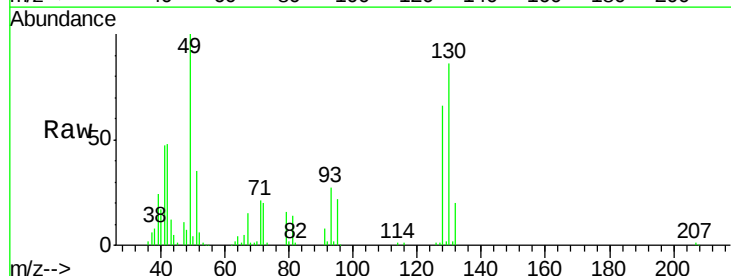
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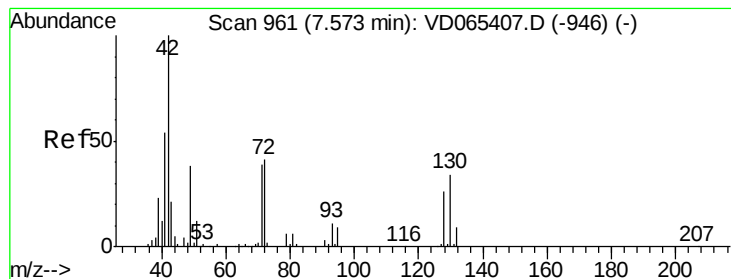


#28

Bromochloromethane
Concen: 45.436 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151417		
129	2.3	0.0	4.6	
130	85.2	66.6	100.0	





#29

Tetrahydrofuran

Concen: 215.351 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

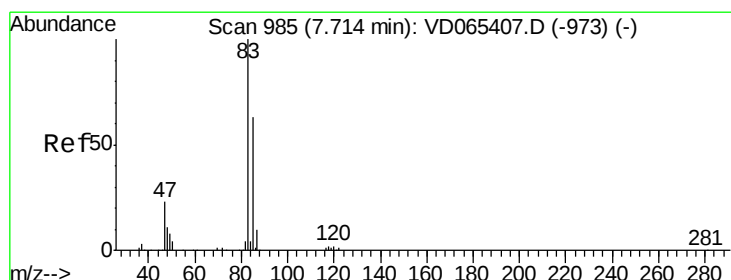
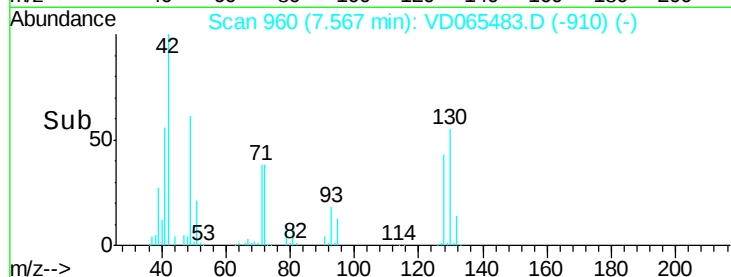
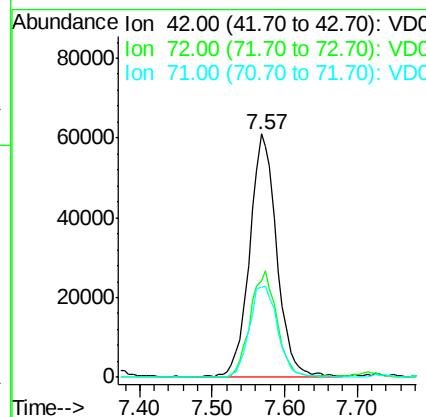
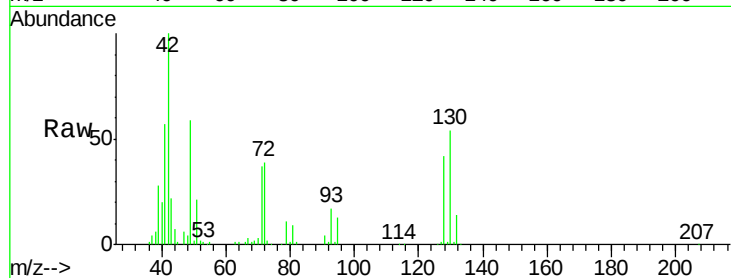
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	159199
Ion Ratio		Lower	Upper
42	100		
72	42.9	33.0	49.6
71	39.0	32.0	48.0

Manual Integrations
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#30

Chloroform

Concen: 47.127 ug/l

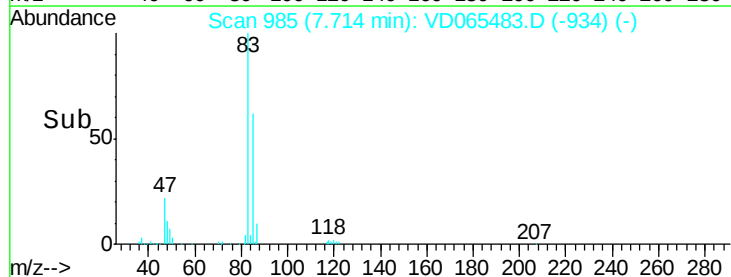
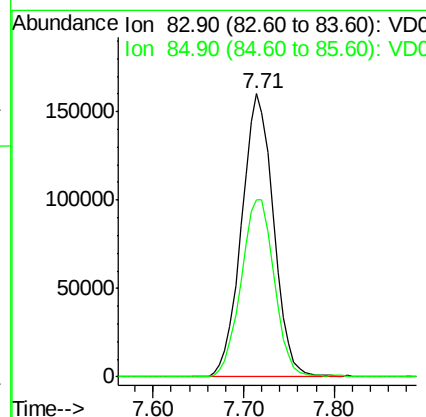
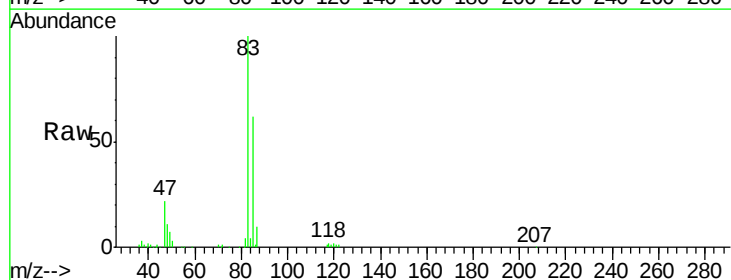
RT: 7.71 min Scan# 985

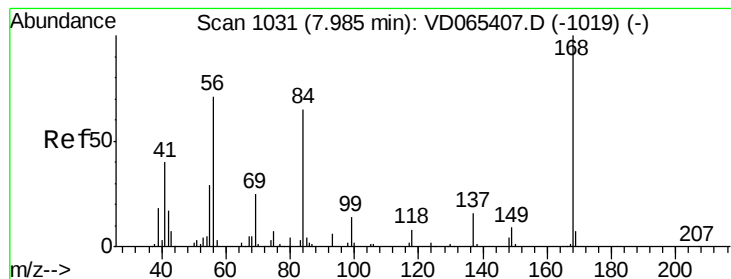
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	83	Resp:	392349
Ion Ratio		Lower	Upper
83	100		
85	62.4	50.3	75.5





#31

Cyclohexane

Concen: 43.598 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

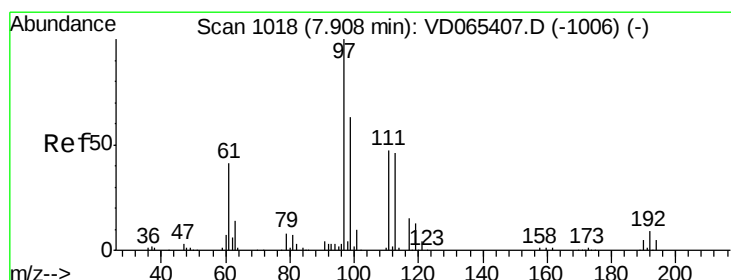
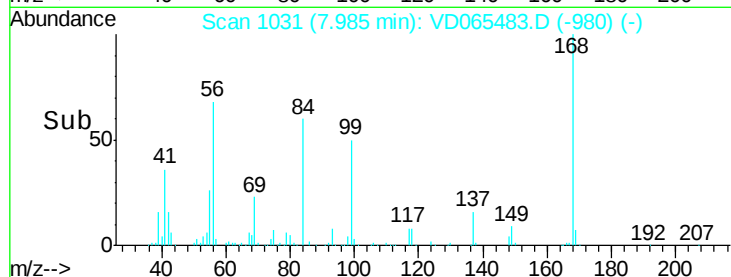
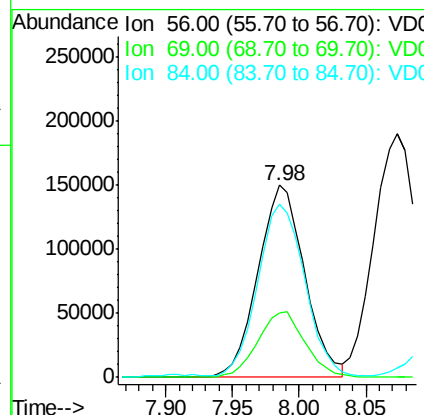
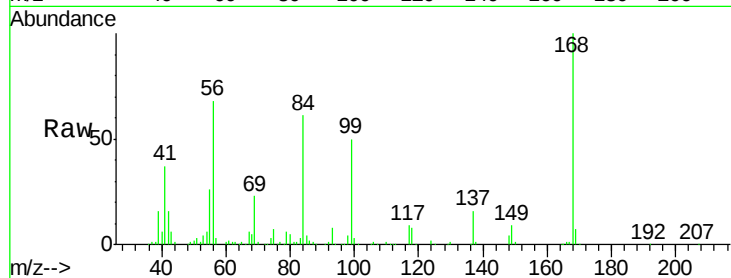
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	363125
Ion Ratio	Lower	Upper	
56	100		
69	33.5	28.3	42.5
84	88.7	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 46.677 ug/l

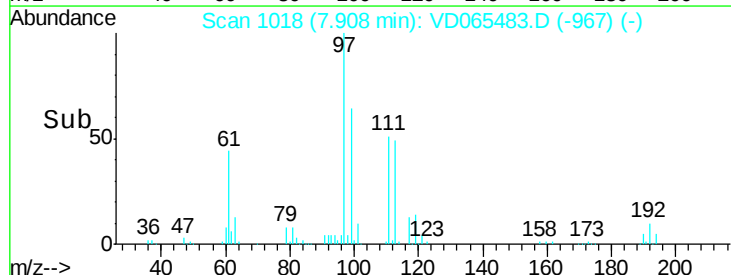
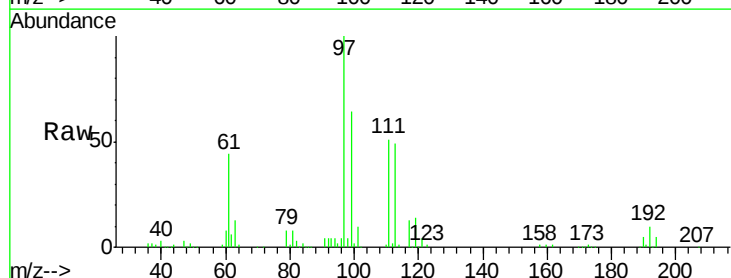
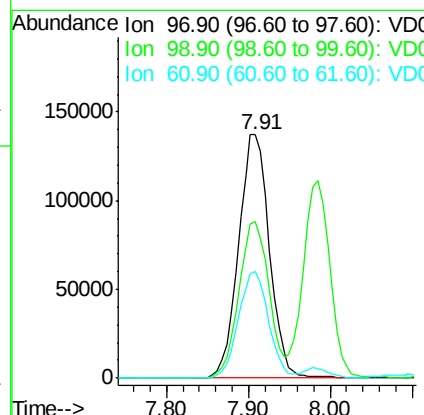
RT: 7.91 min Scan# 1018

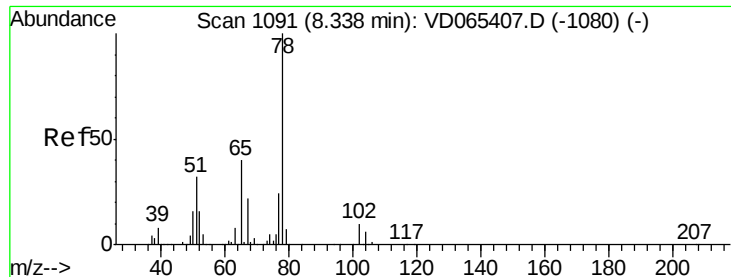
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	97	Resp:	359119
Ion Ratio	Lower	Upper	
97	100		
99	63.0	50.9	76.3
61	42.5	33.2	49.8





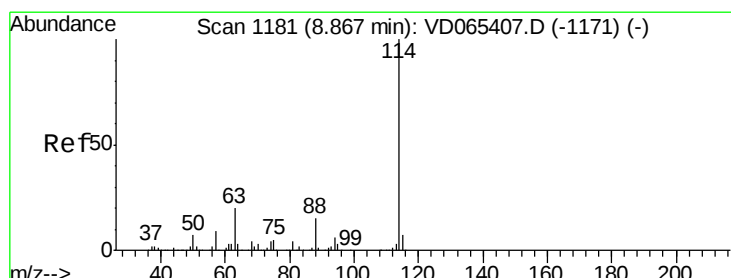
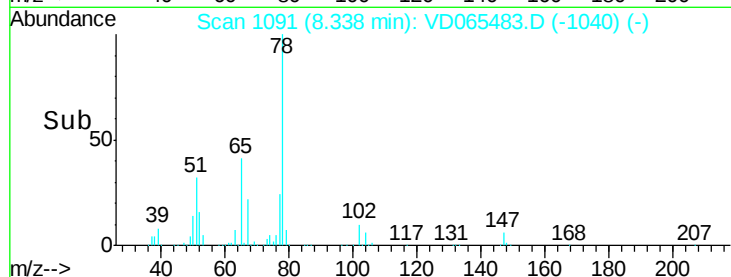
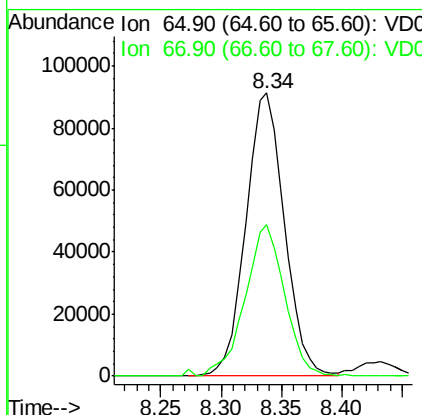
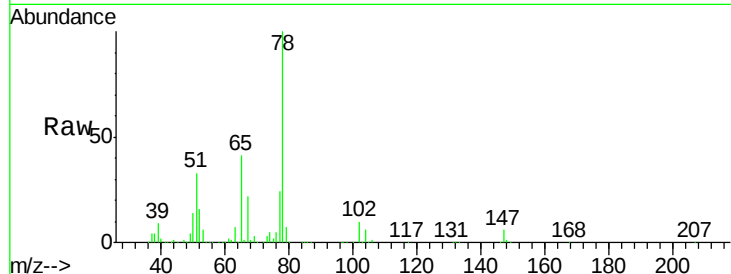
#33
 1,2-Dichloroethane-d4
 Concen: 48.323 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202687		
67	54.7	0.0	108.0	

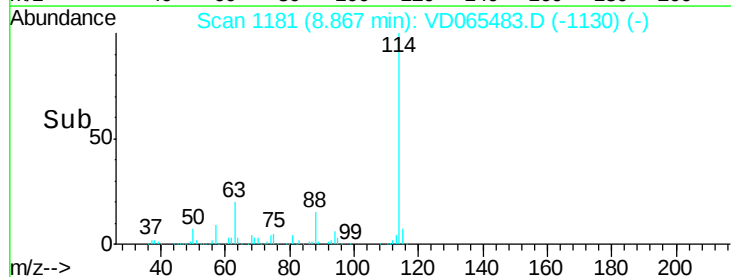
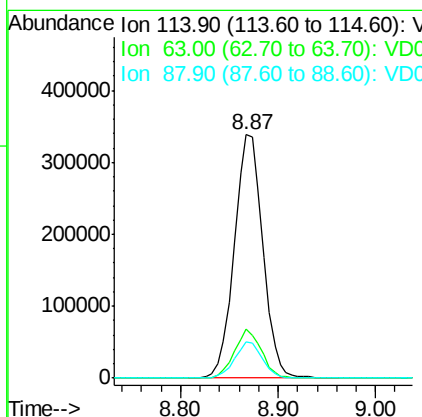
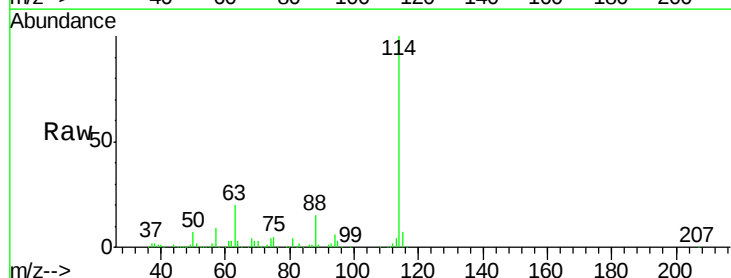
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685690		
63	19.9	0.0	39.6	
88	14.9	0.0	30.4	





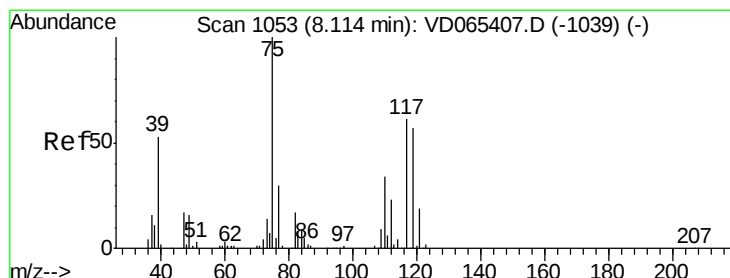
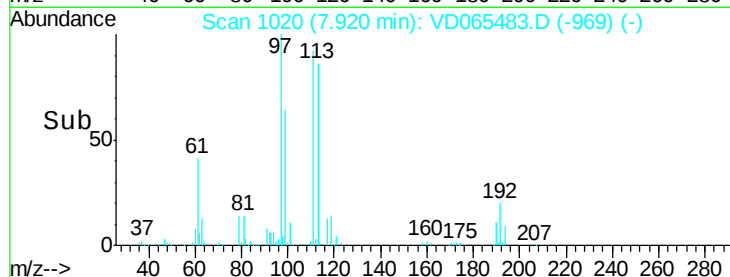
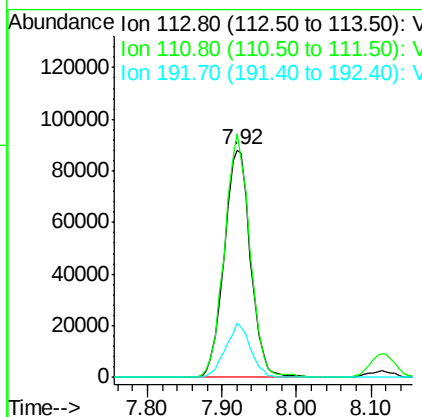
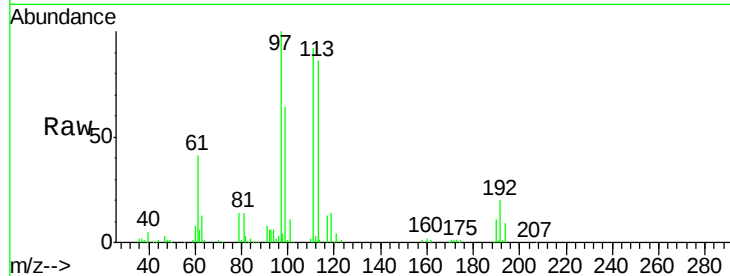
#35
Dibromofluoromethane
Concen: 51.064 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	22.5	17.2	25.8

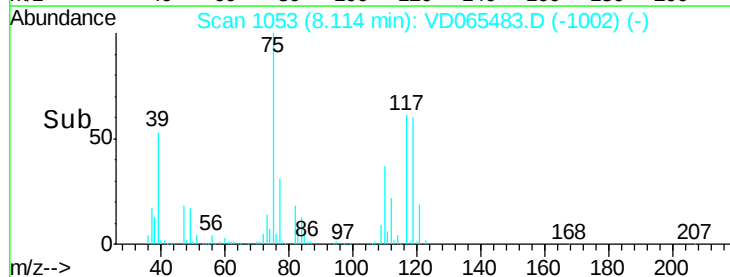
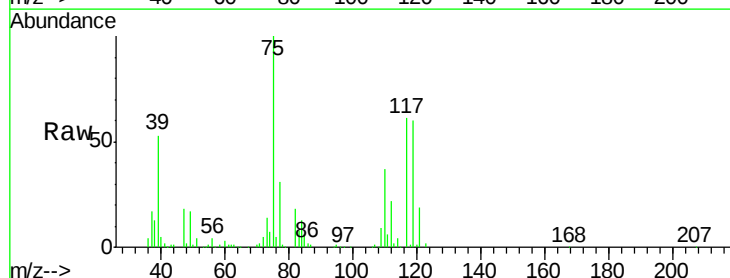
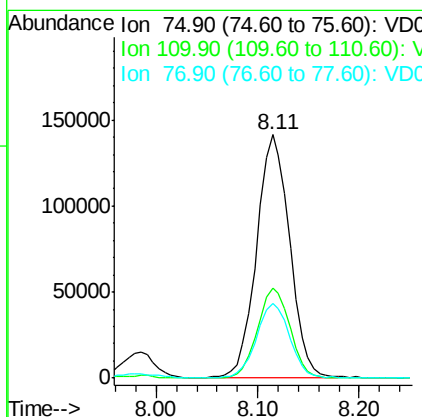
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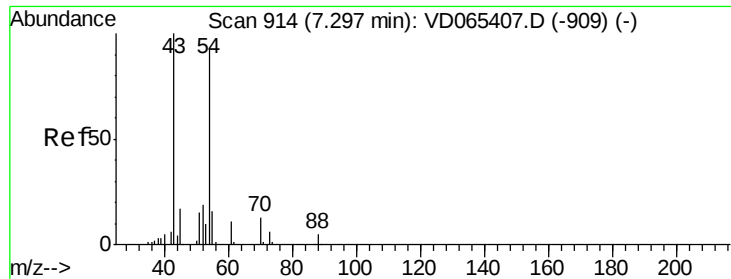
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#36
1,1-Dichloropropene
Concen: 48.777 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.3	25.2	37.8





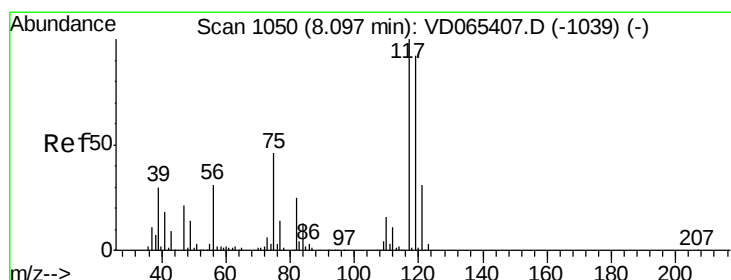
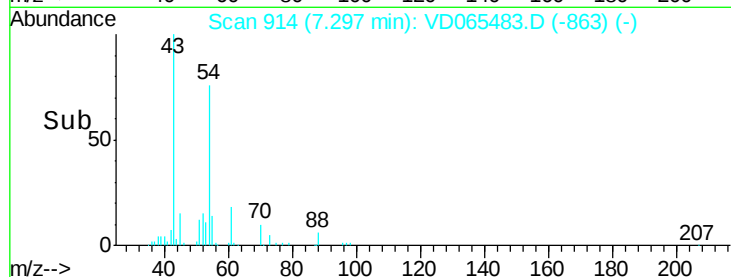
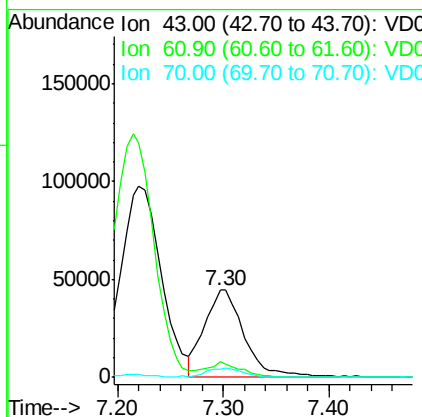
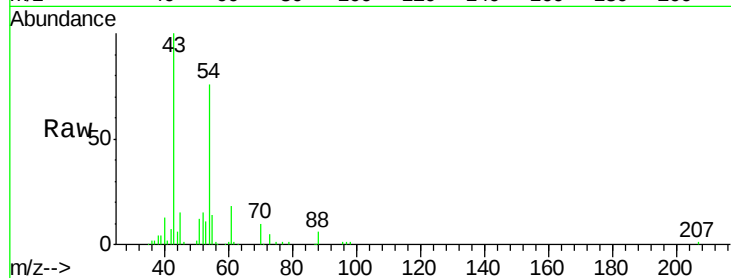
#37
Ethyl Acetate
Concen: 45.319 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.4	17.0
70	10.6	9.0	13.4

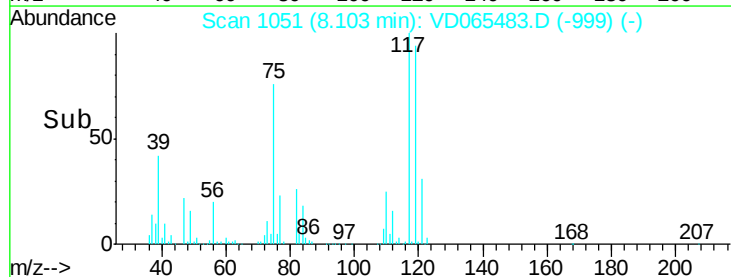
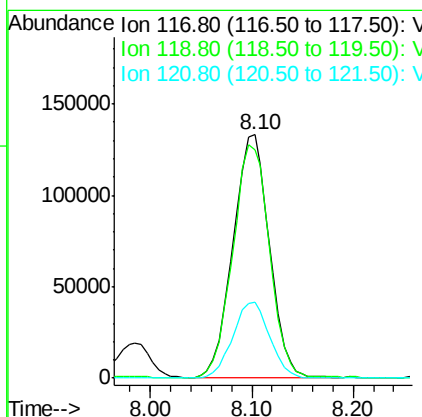
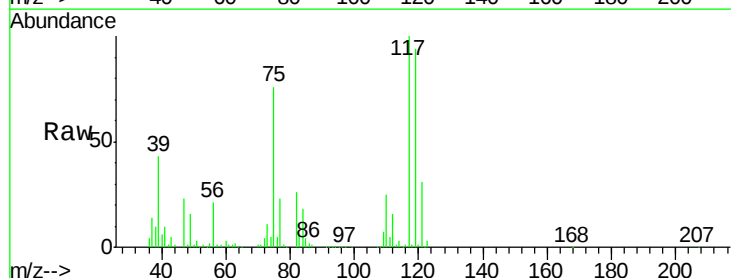
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.477 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.3	109.9
121	31.0	25.0	37.4





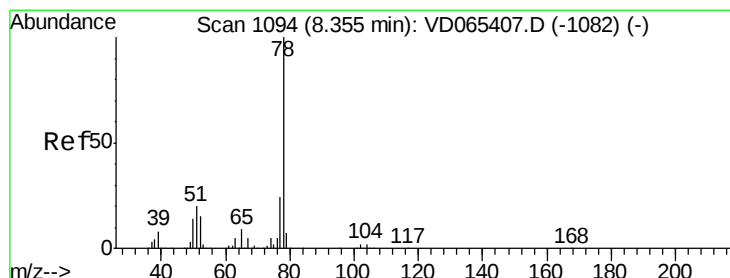
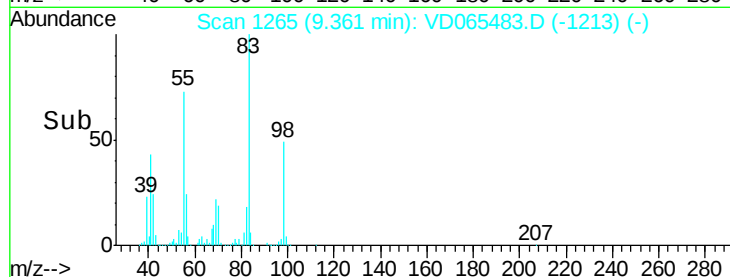
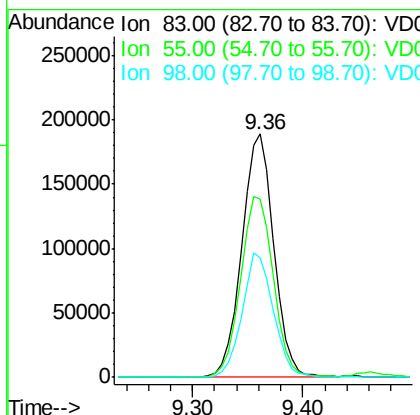
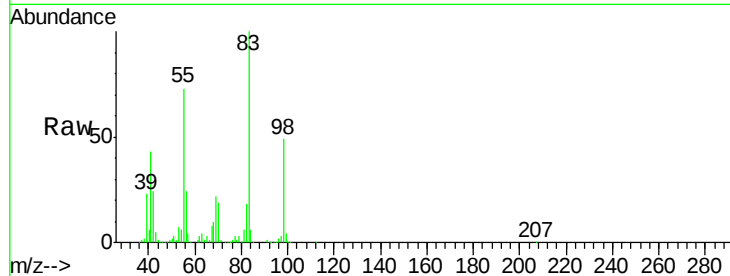
#39
Methylvlcyclohexane
Concen: 48.518 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	57.1	85.7
98	49.3	37.8	56.8

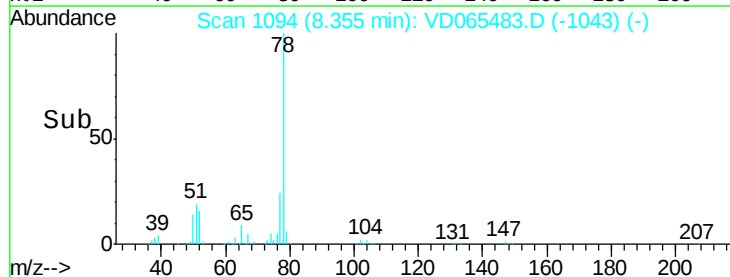
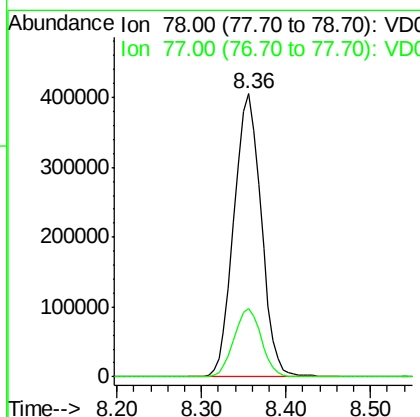
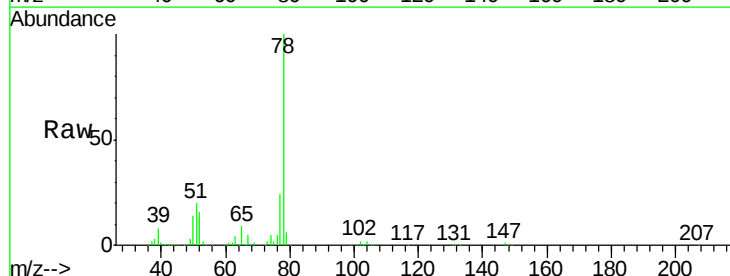
Manual Integrations
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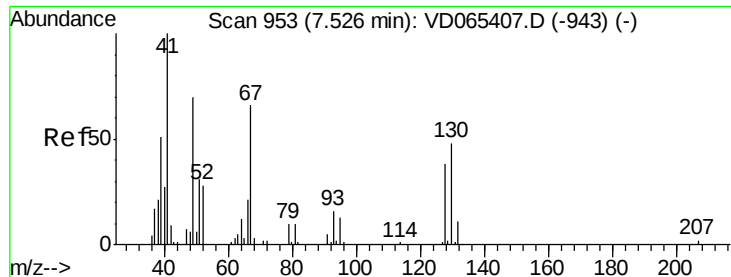
MMDadoda
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#40
Benzene
Concen: 49.321 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 56.683 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 76156

Ion Ratio Lower Upper

41 100

39 51.9 55.0 82.6#

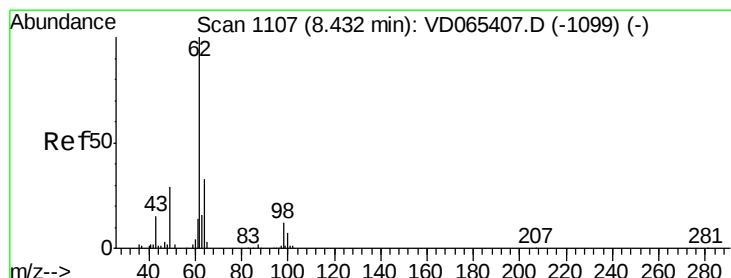
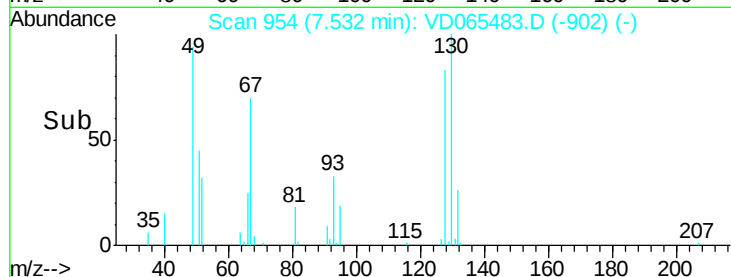
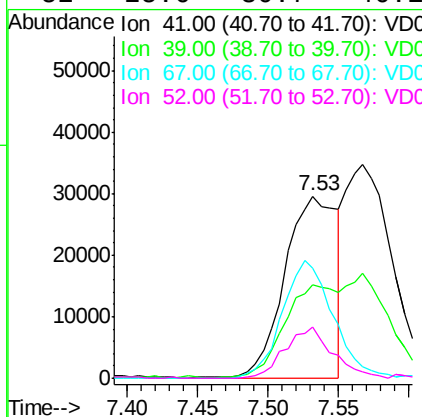
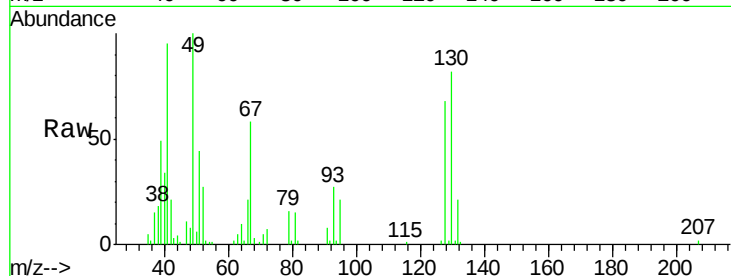
67 63.3 70.3 105.5#

52 25.6 30.7 46.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.373 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065483.D

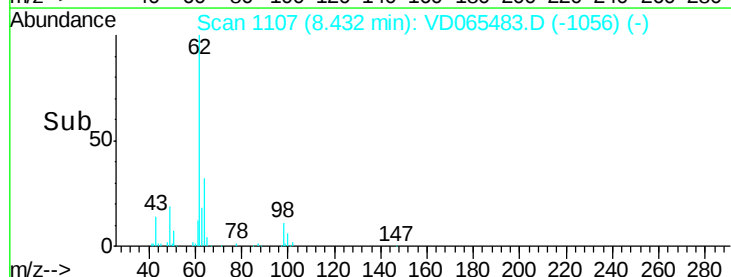
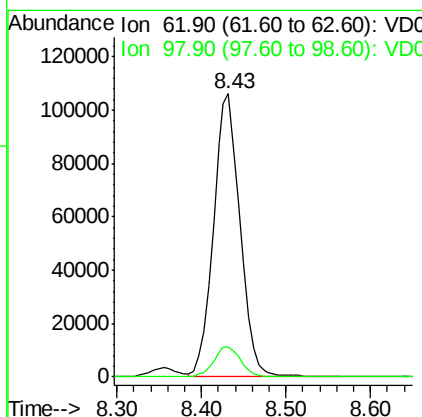
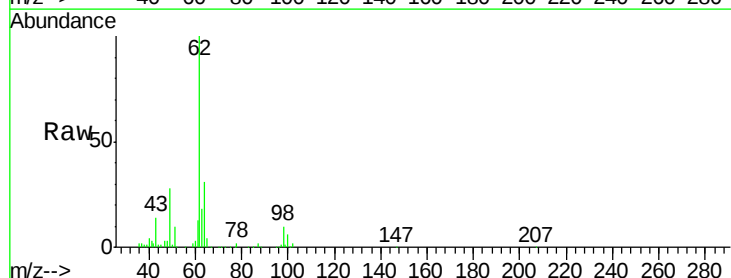
Acq: 12 Mar 2020 10:17

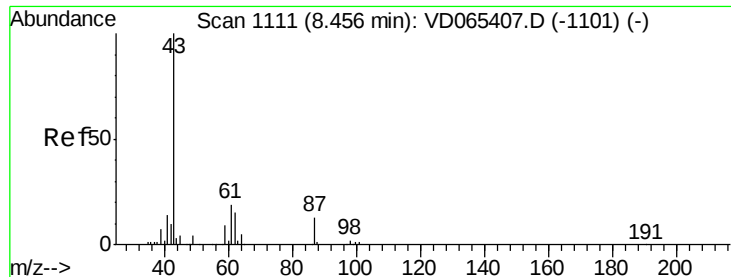
Tgt Ion: 62 Resp: 232133

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.4





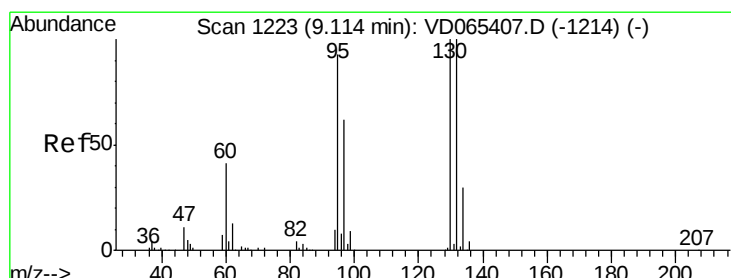
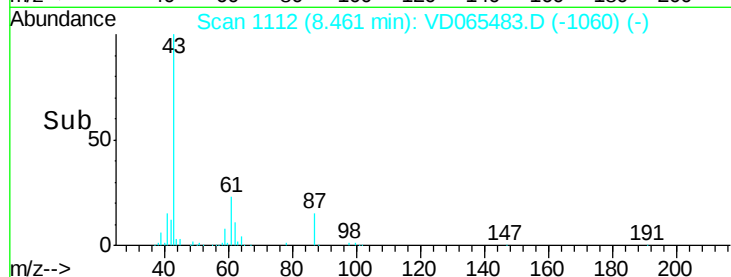
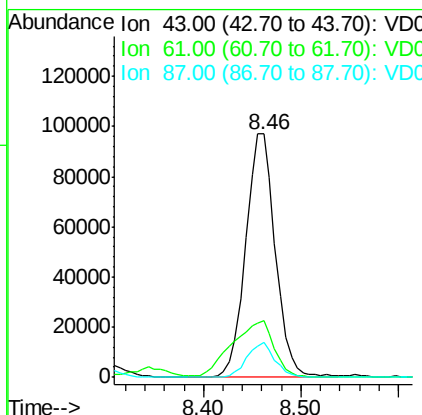
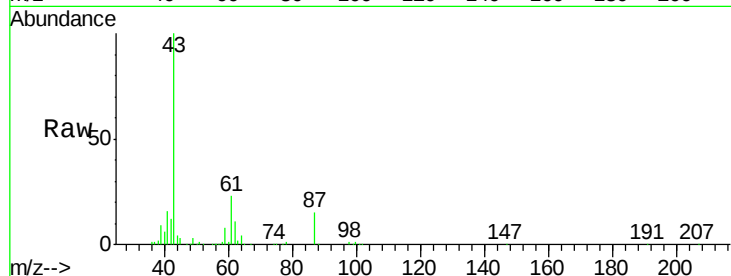
#43
Isopropyl Acetate
Concen: 43.859 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.2	25.0	37.6
87	13.4	11.0	16.4

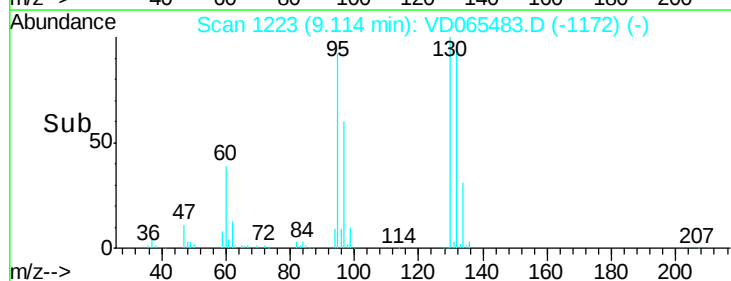
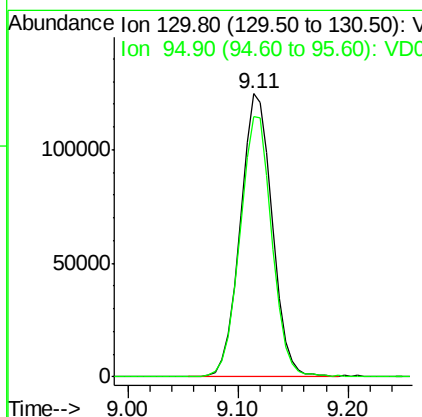
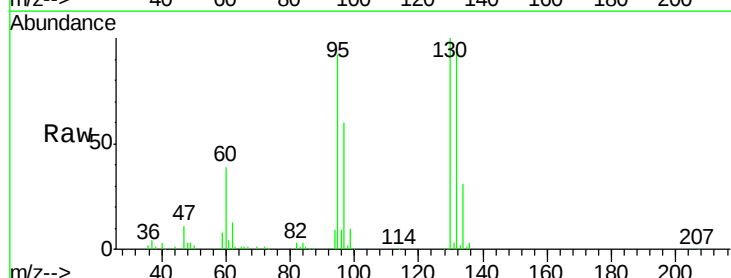
Manual Integrations
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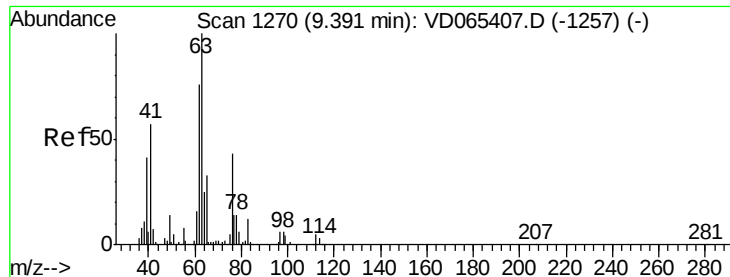
MMDadoda
3/16/2020 12:06:59 PM



#44
Trichloroethene
Concen: 48.900 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	186.0





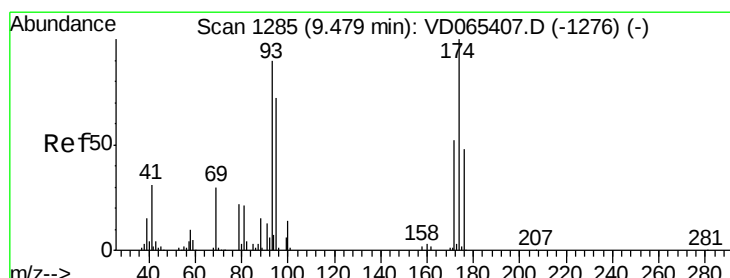
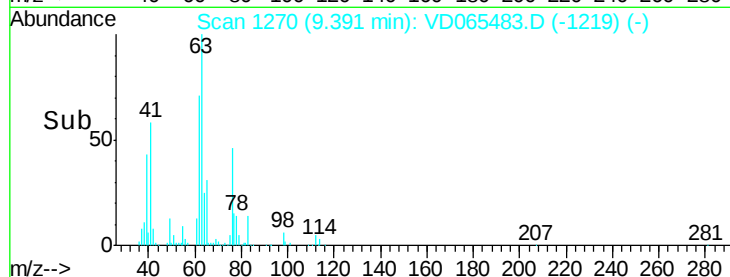
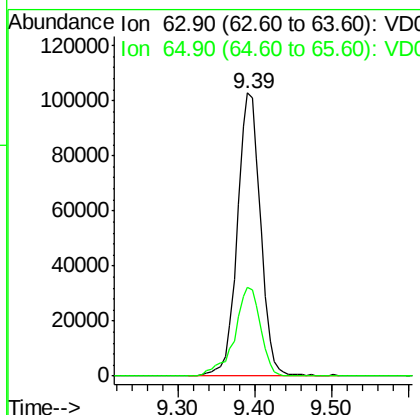
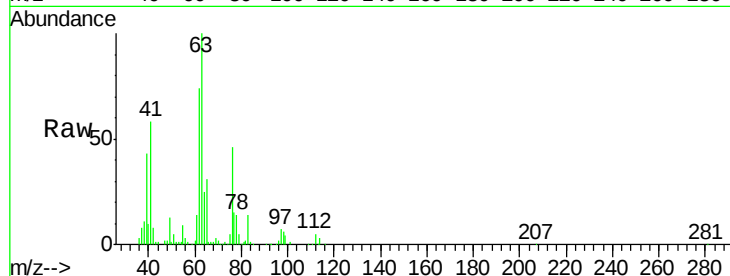
#45
 1,2-Dichloropropane
 Concen: 48.741 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	26.4	39.6

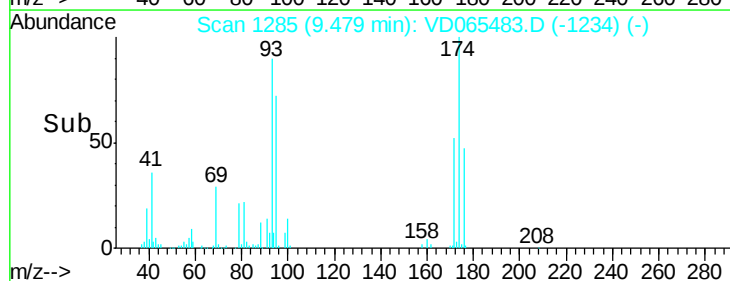
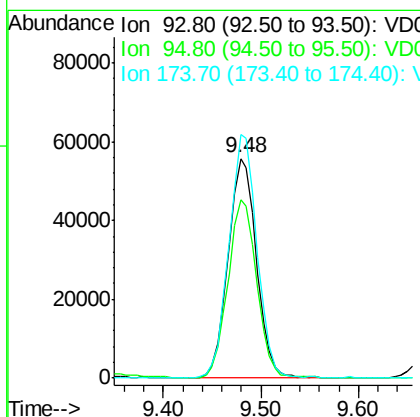
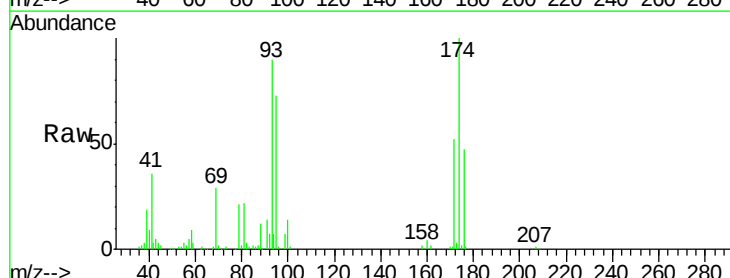
Manual Integrations
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#46
 Dibromomethane
 Concen: 48.705 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	109.1	88.3	132.5





#47

Bromodichloromethane

Concen: 49.084 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

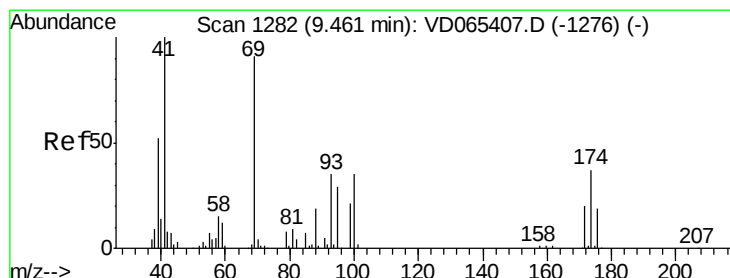
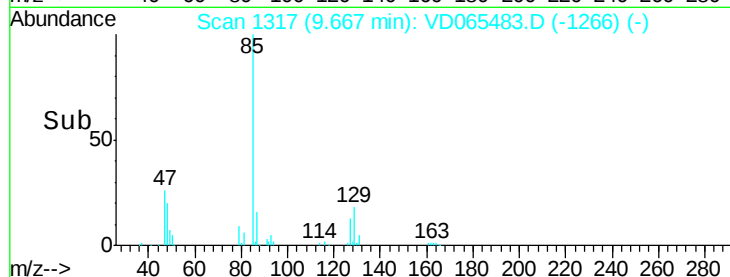
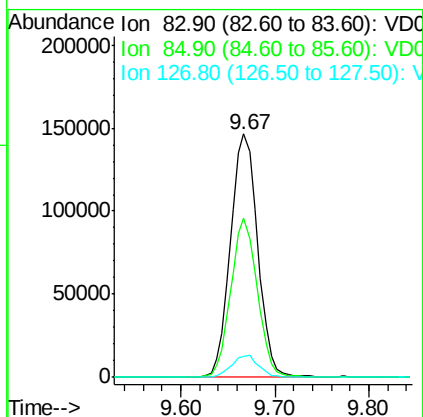
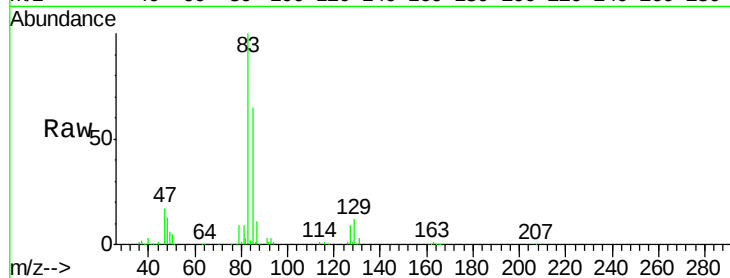
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	294854
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.8	79.2
127	8.7	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.169 ug/l

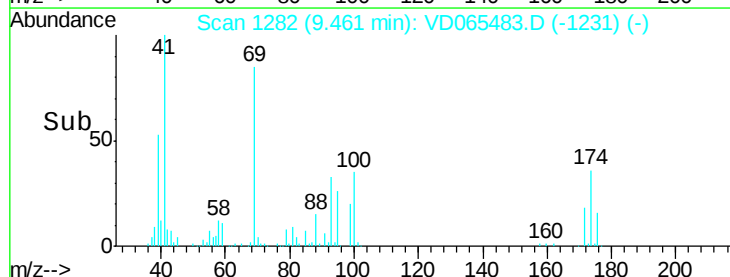
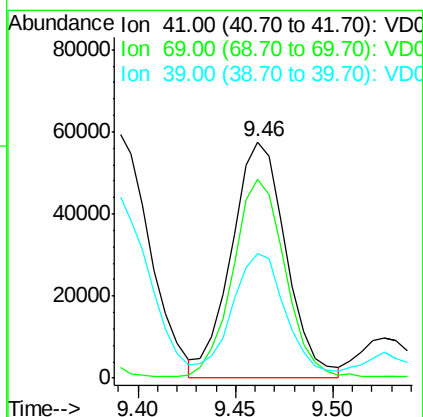
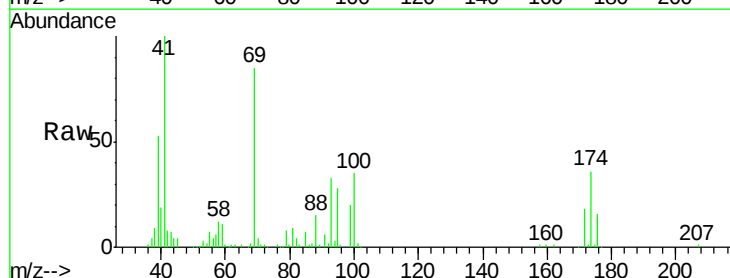
RT: 9.46 min Scan# 1282

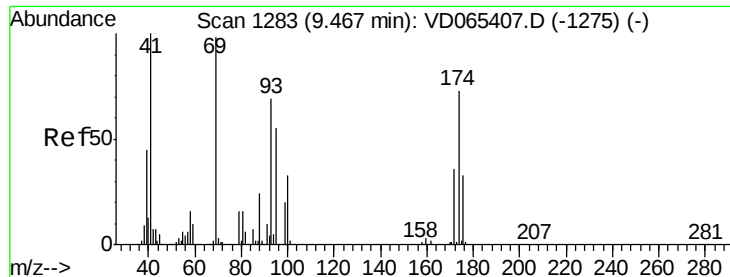
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	41	Resp:	110698
Ion	Ratio	Lower	Upper
41	100		
69	82.6	72.5	108.7
39	46.6	41.6	62.4





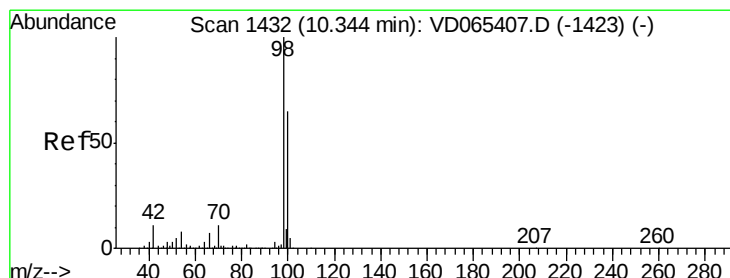
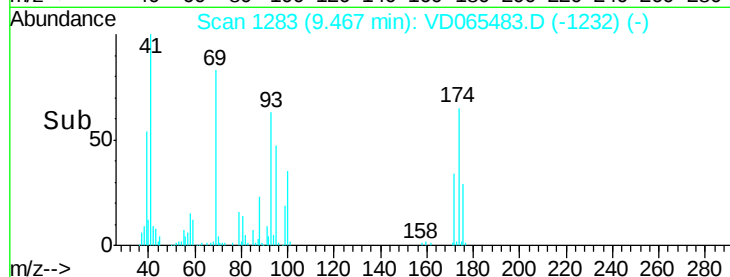
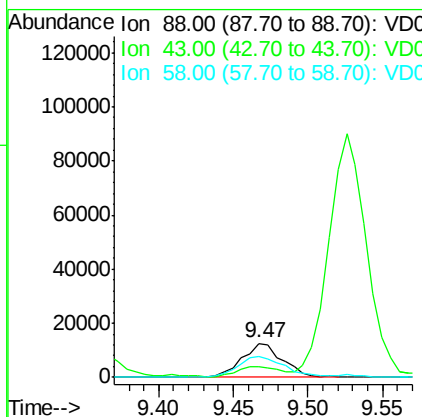
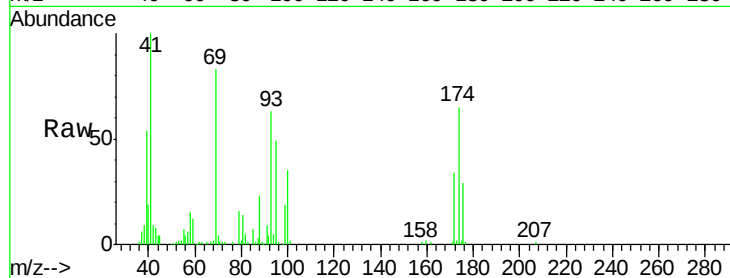
#49
1,4-Dioxane
Concen: 894.929 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	24.5	36.7
58	69.2	54.5	81.7

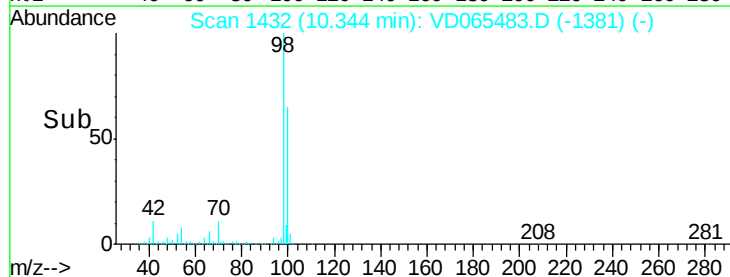
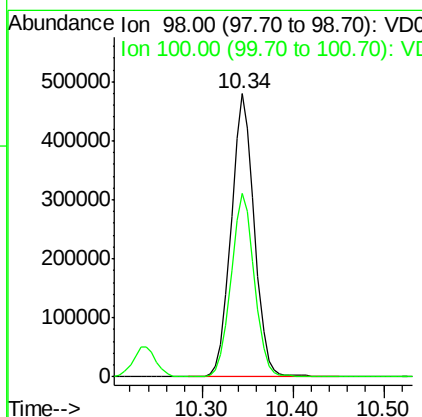
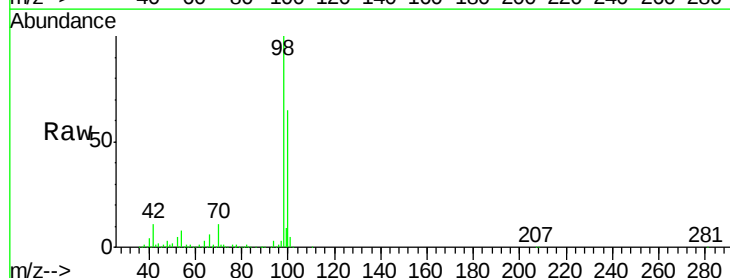
Manual Integrations
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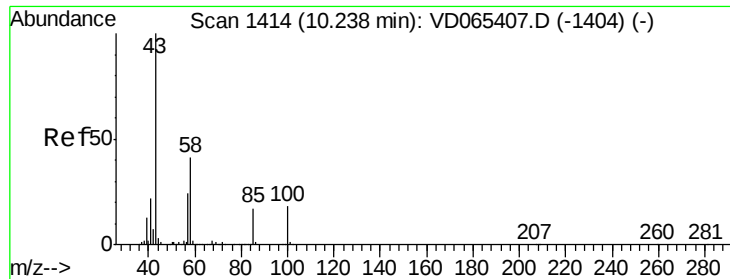
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#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2





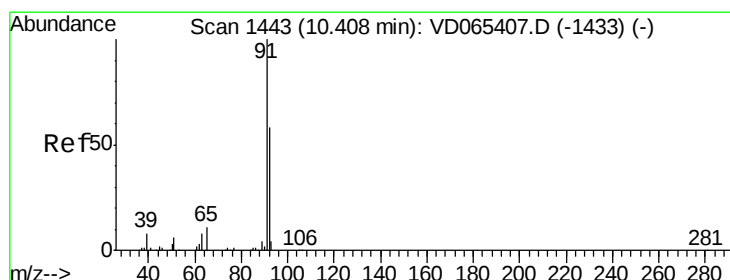
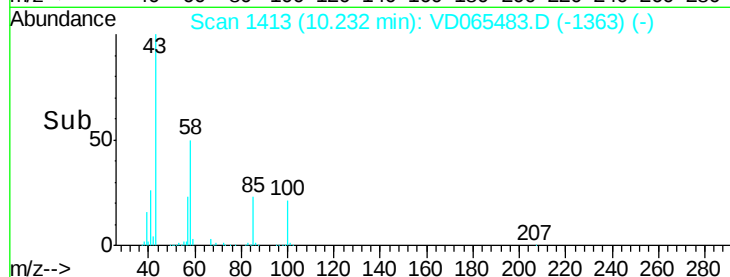
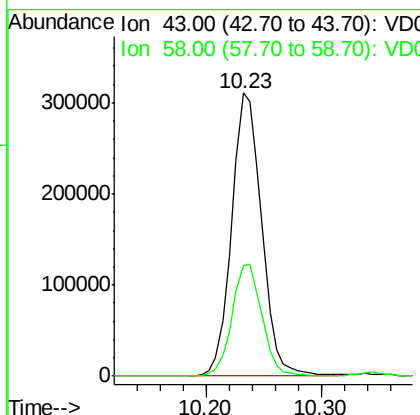
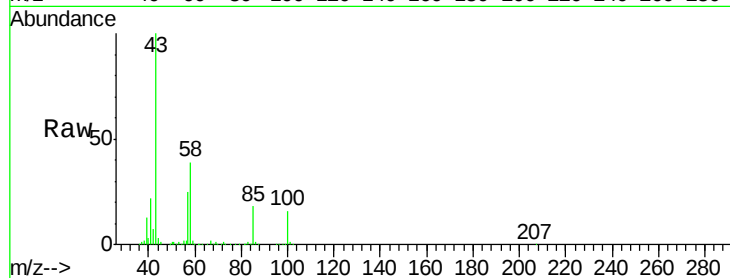
#51
4-Methyl-2-Pentanone
Concen: 236.558 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 558401
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6

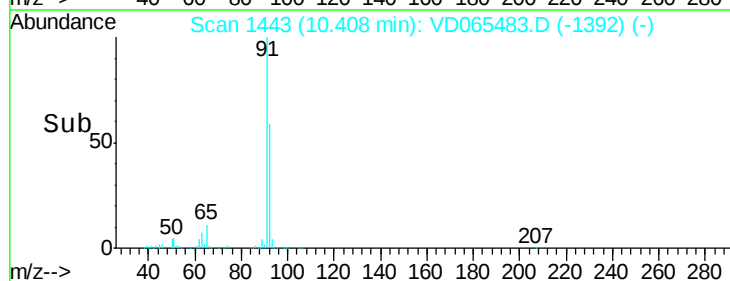
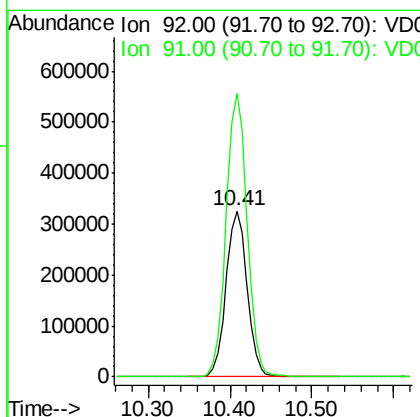
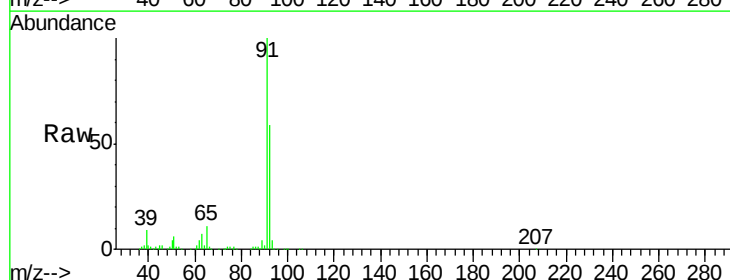
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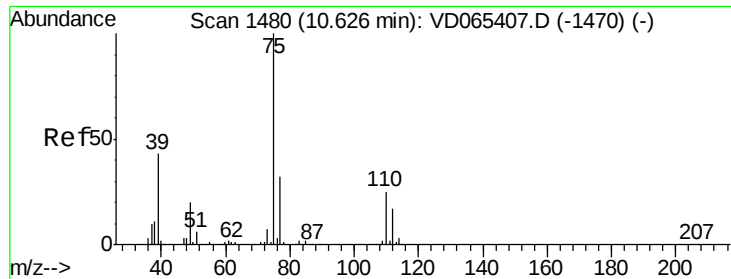
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#52
Toluene
Concen: 50.618 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 92 Resp: 586009
Ion Ratio Lower Upper
92 100
91 170.7 137.8 206.8





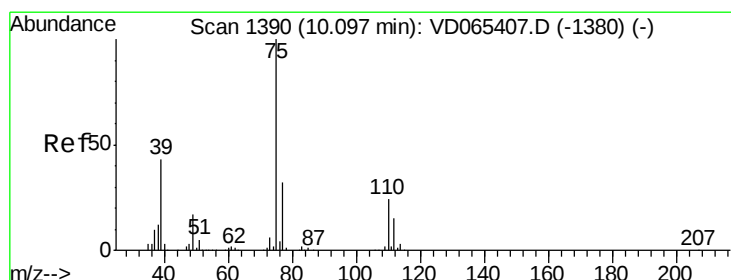
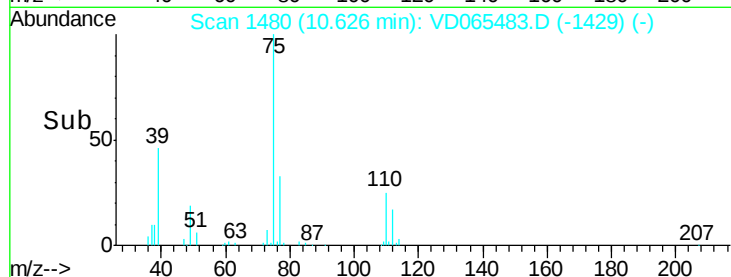
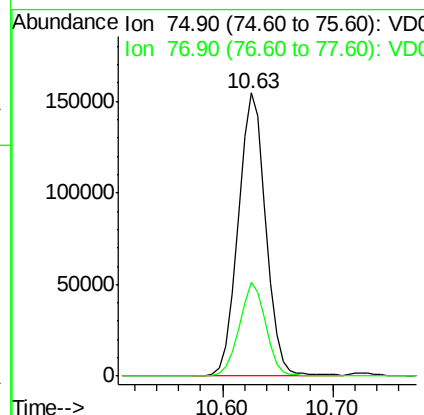
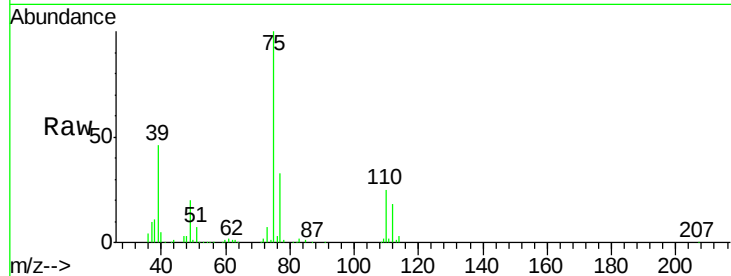
#53
t-1,3-Dichloropropene
Concen: 48.231 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 270753
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2

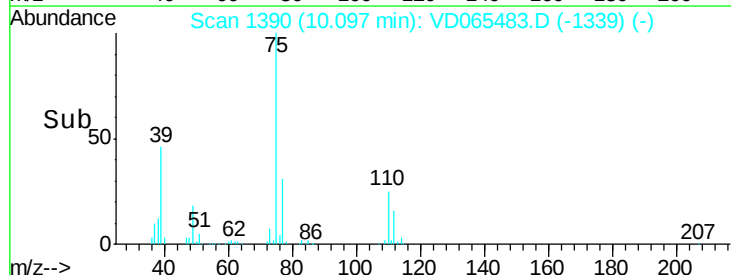
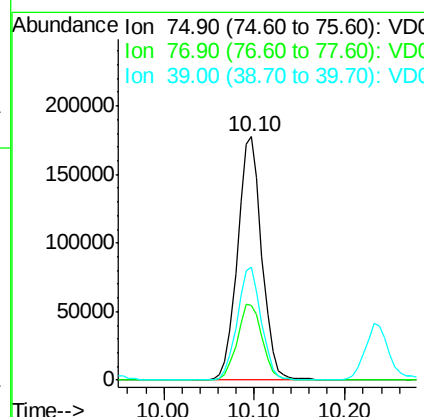
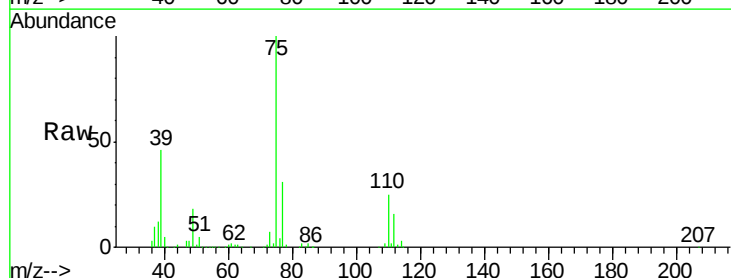
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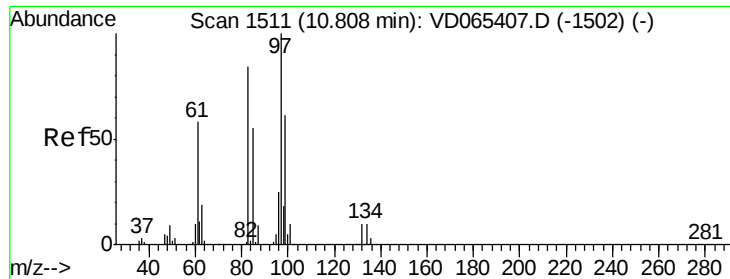
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#54
cis-1,3-Dichloropropene
Concen: 48.807 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 75 Resp: 331641
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9
39 46.0 34.6 52.0





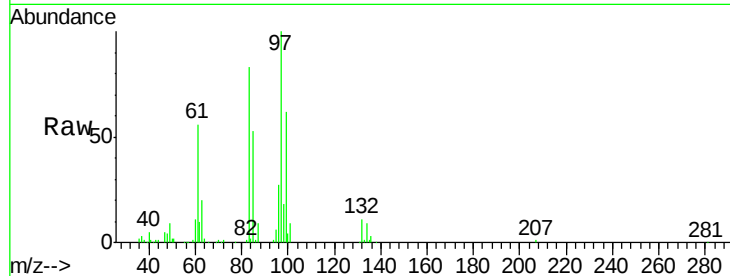
#55
 1,1,2-Trichloroethane
 Concen: 48.079 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	53.0	43.8	65.8
99	61.9	48.8	73.2

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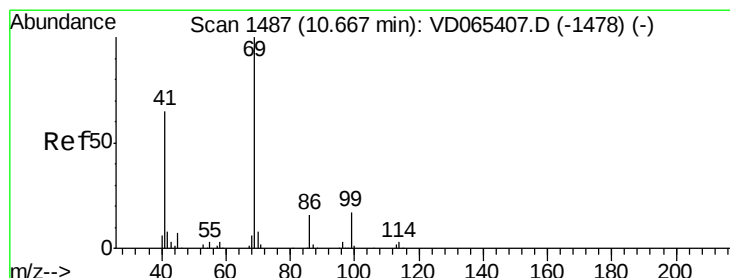
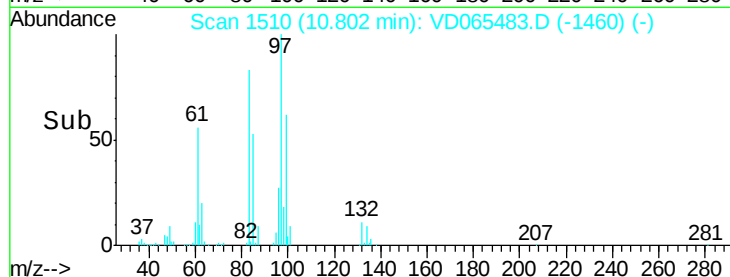
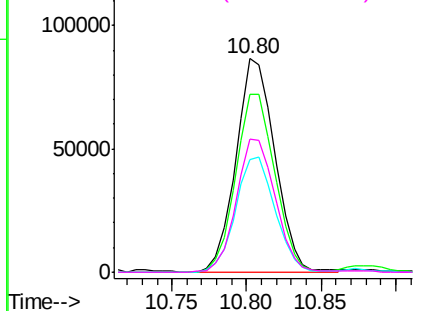


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

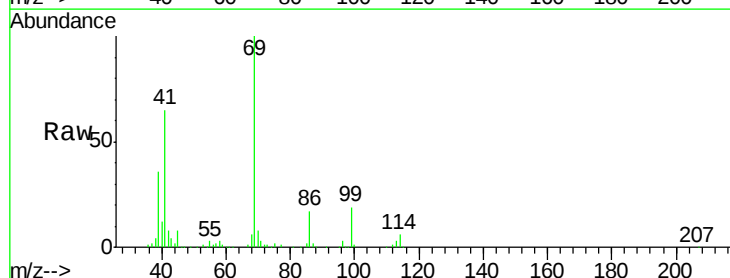
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 47.736 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

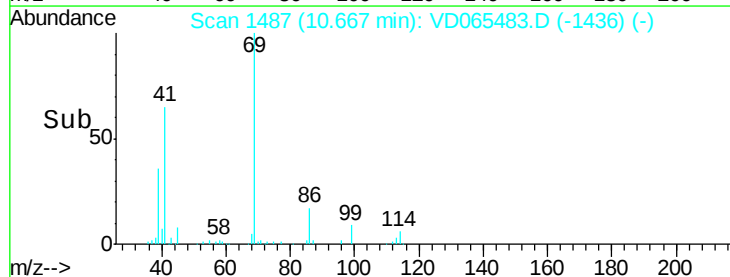
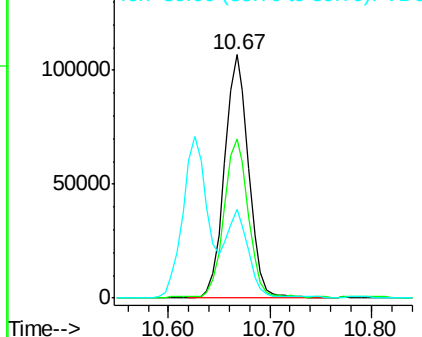
Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.4	53.0	79.6
39	32.1	26.0	39.0

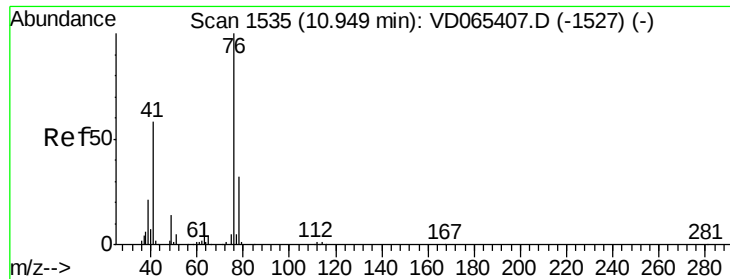


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





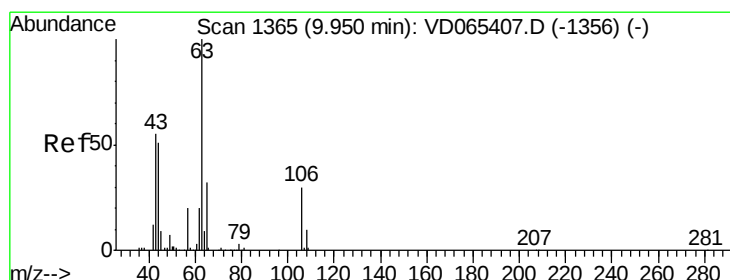
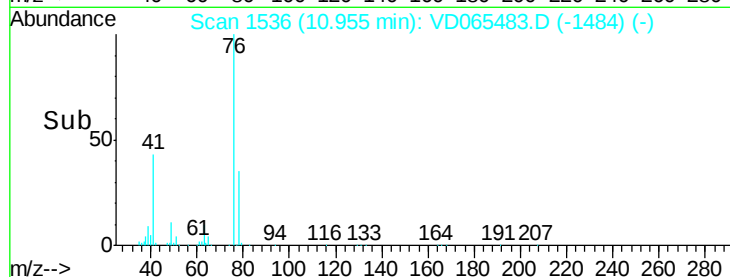
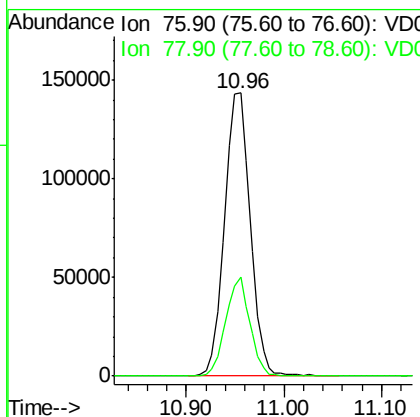
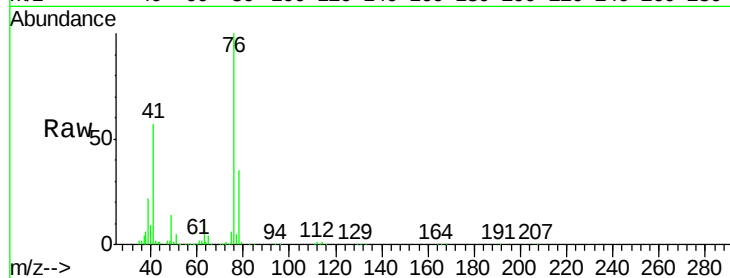
#57
 1,3-Dichloropropane
 Concen: 47.568 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 263214
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0

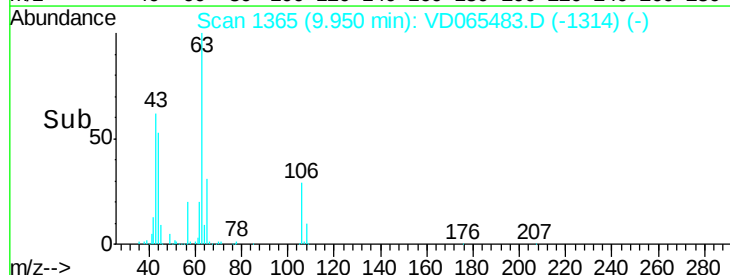
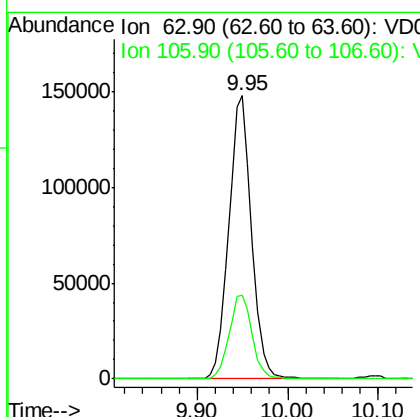
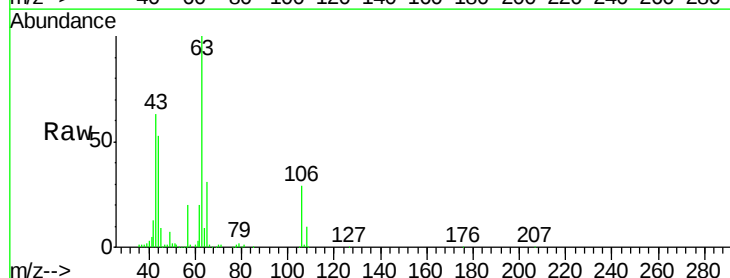
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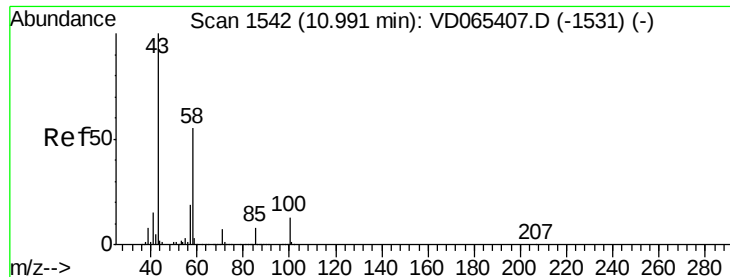
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.768 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 63 Resp: 257583
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.3 34.9





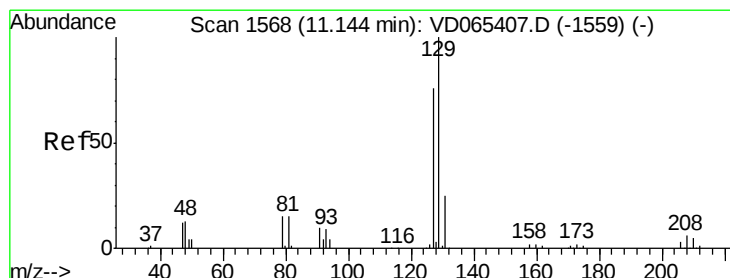
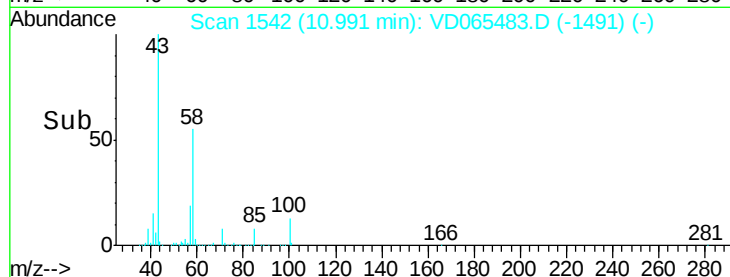
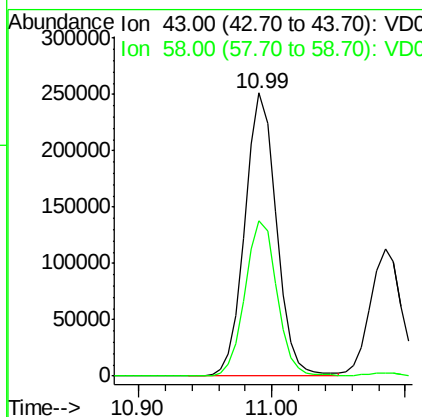
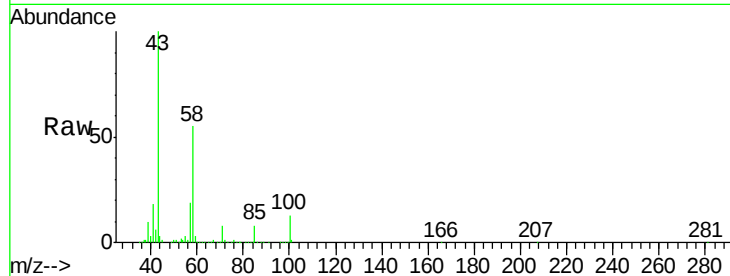
#59
2-Hexanone
Concen: 250.911 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 410002
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

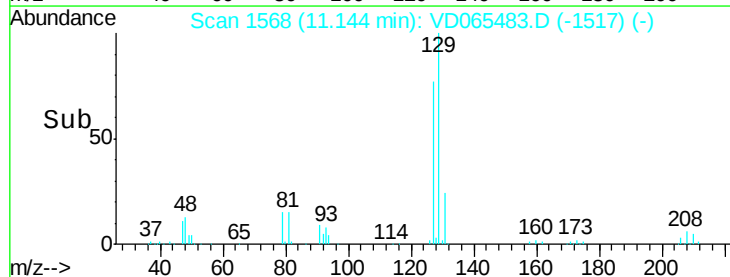
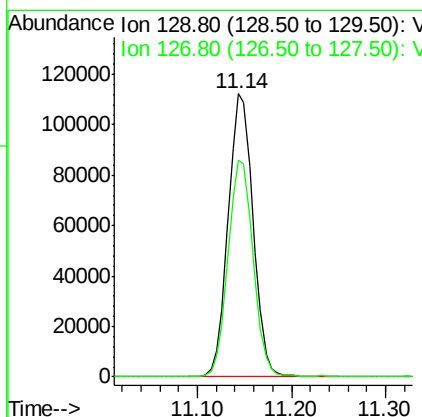
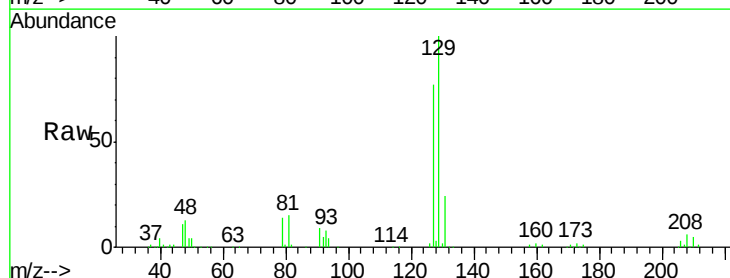
Manual Integrations
APPROVED

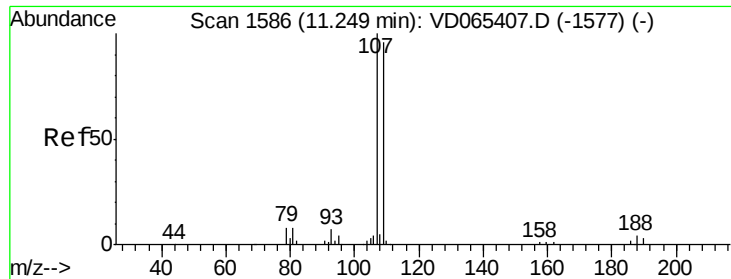
MMDadoda
3/16/2020 12:06:59 PM



#60
Dibromochloromethane
Concen: 49.475 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion: 129 Resp: 207403
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.731 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 148896

Ion Ratio Lower Upper

107 100

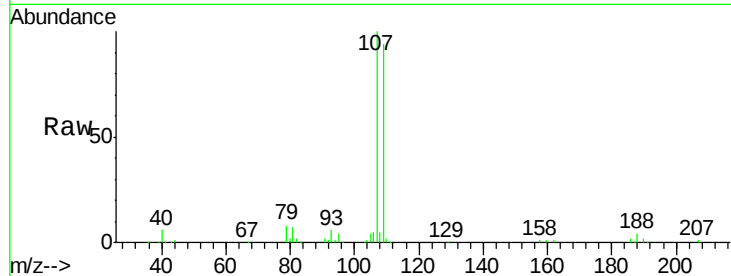
109 96.3 76.8 115.2

Manual Integrations

APPROVED

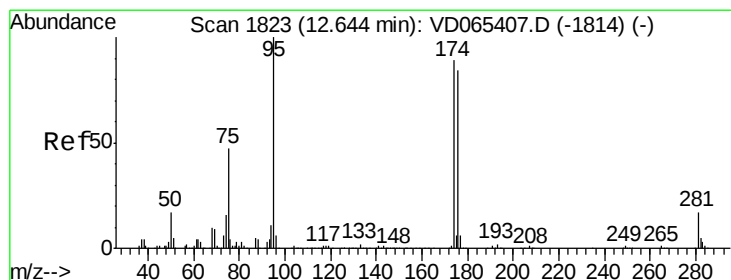
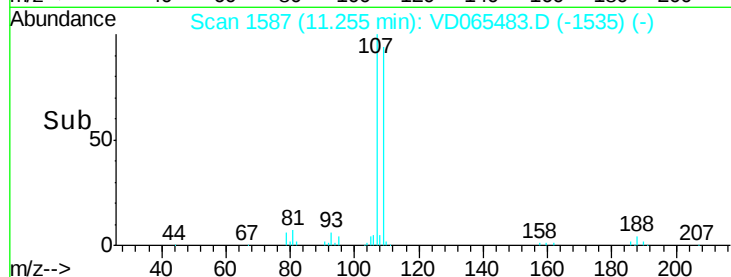
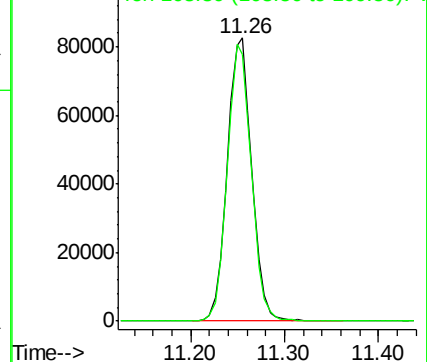
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.011 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

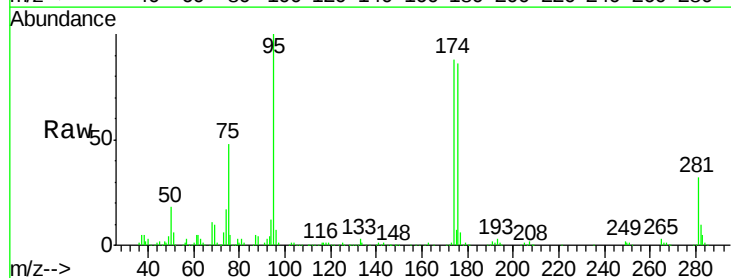
Tgt Ion: 95 Resp: 266215

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

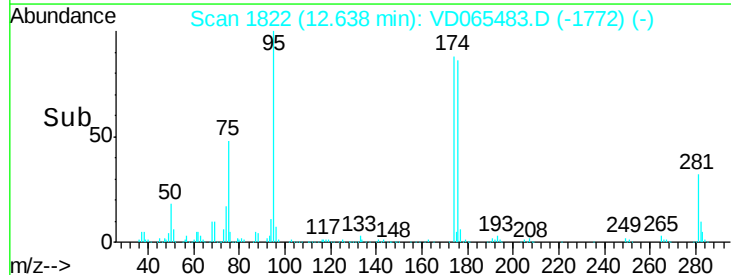
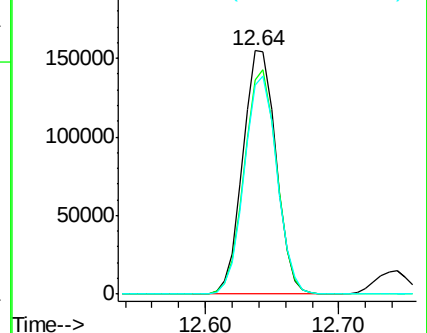
176 88.3 0.0 171.4



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





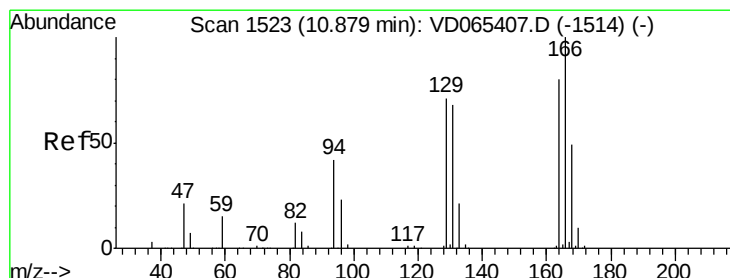
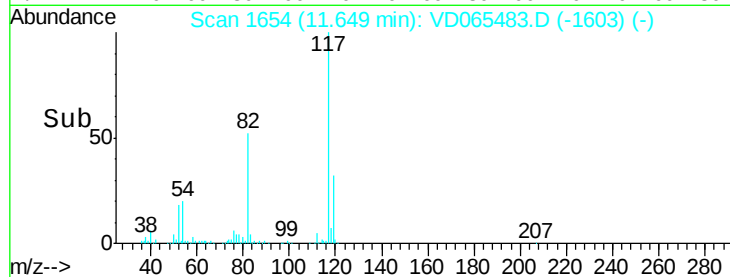
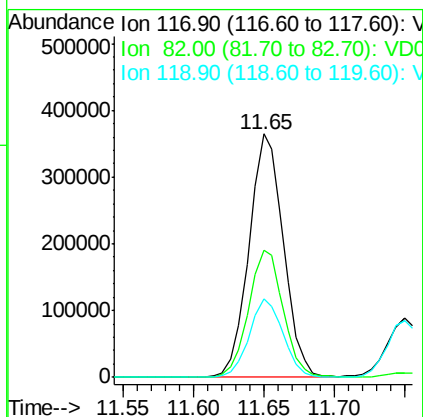
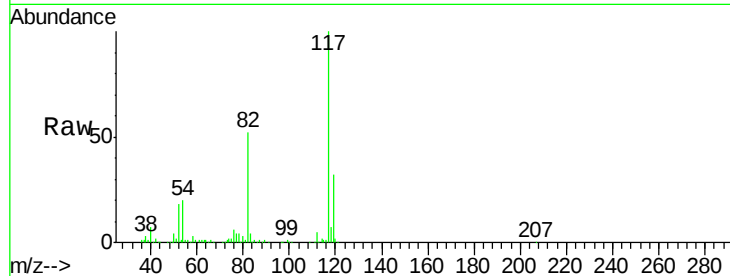
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	624851		
82	52.2		40.6	60.8
119	32.5		25.4	38.2

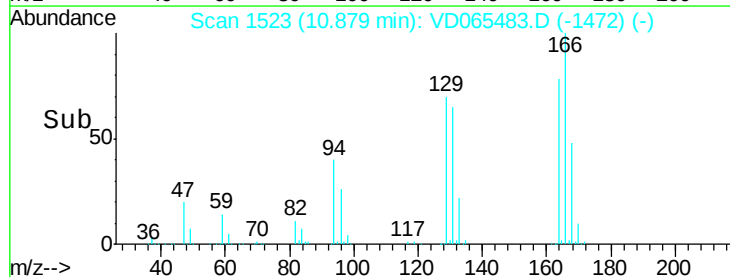
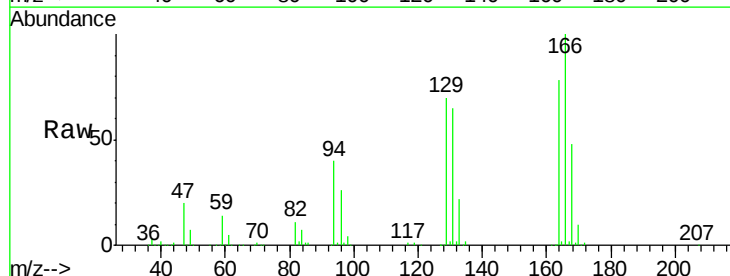
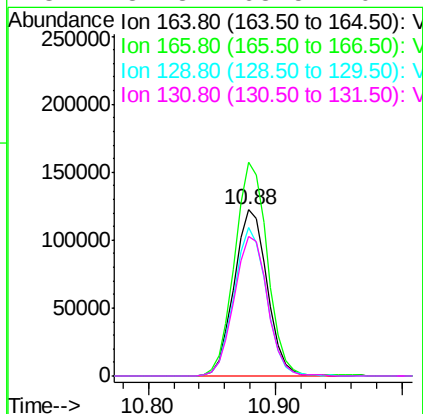
Manual Integrations
APPROVED

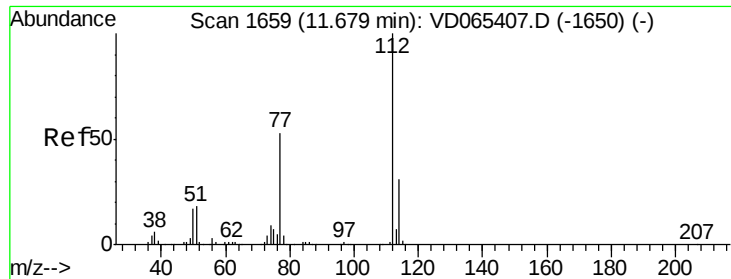
MMDadoda
3/16/2020 12:06:59 PM



#64
Tetrachloroethene
Concen: 49.185 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220221		
166	128.8		100.5	150.7
129	89.9		71.5	107.3
131	84.3		68.5	102.7





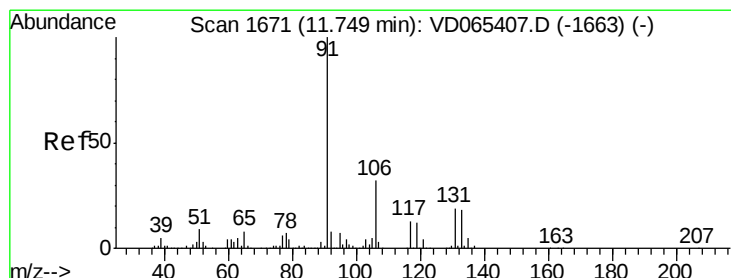
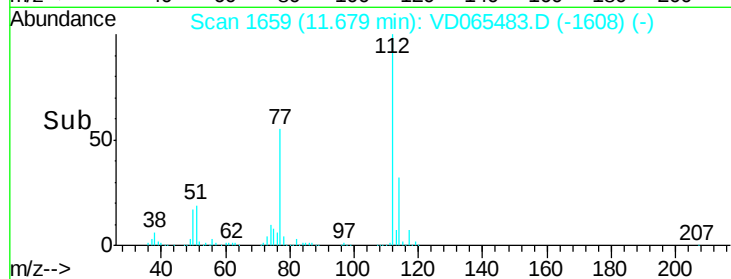
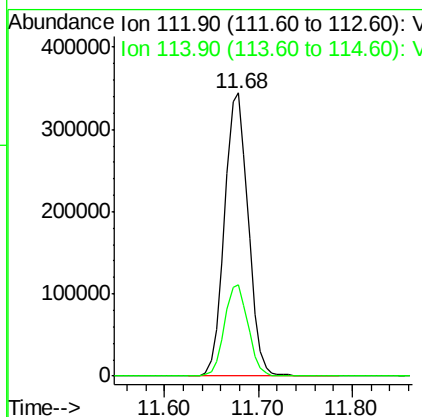
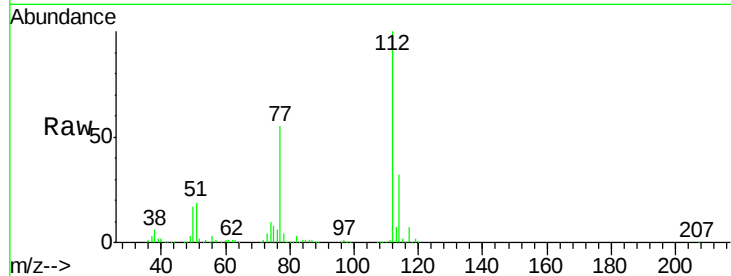
#65
Chlorobenzene
Concen: 48.737 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.4	36.6

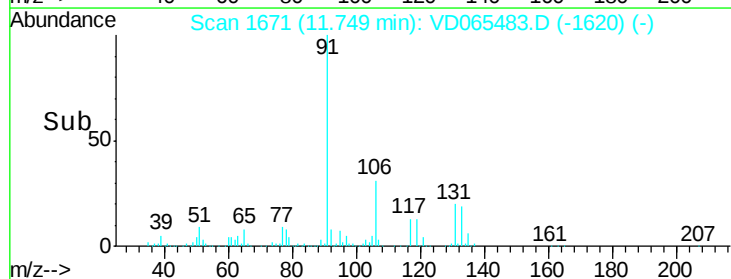
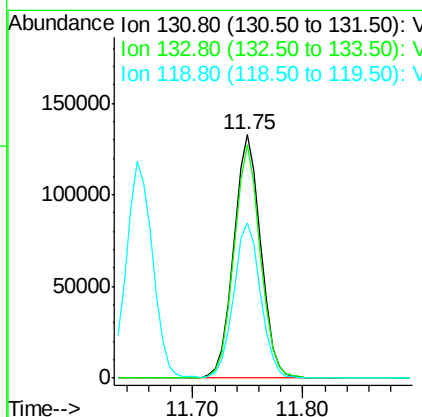
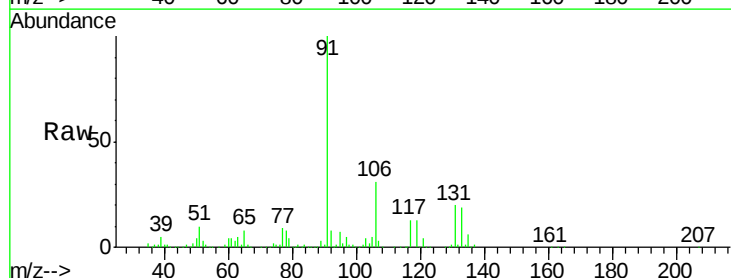
Manual Integrations
APPROVED

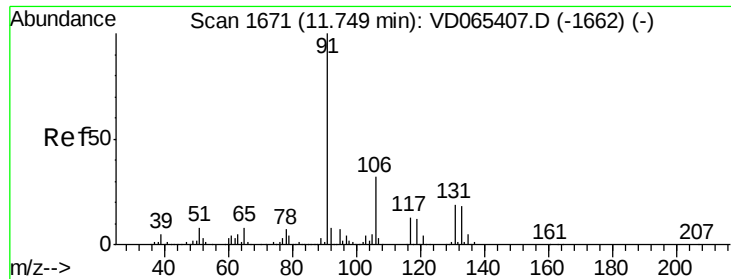
MMDadoda
3/16/2020 12:06:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.624 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	49.2	147.6
119	63.9	33.3	99.8





#67

Ethyl Benzene

Concen: 50.626 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1081642

Ion Ratio Lower Upper

91 100

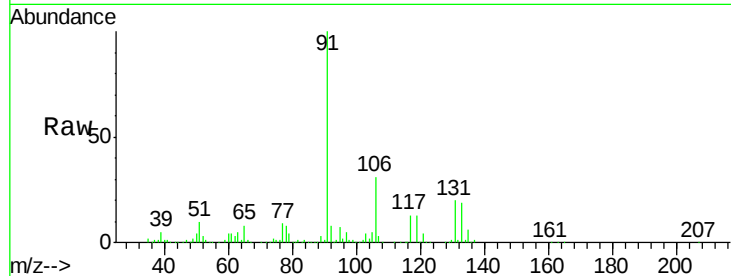
106 30.7 25.2 37.8

Manual Integrations

APPROVED

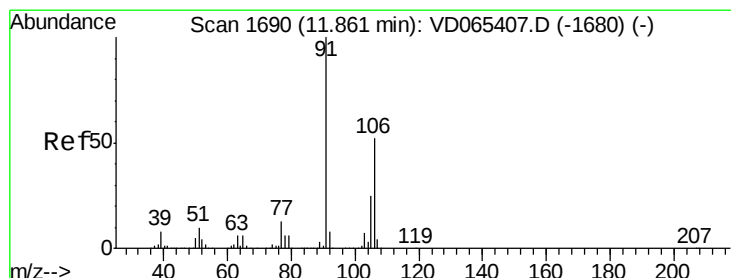
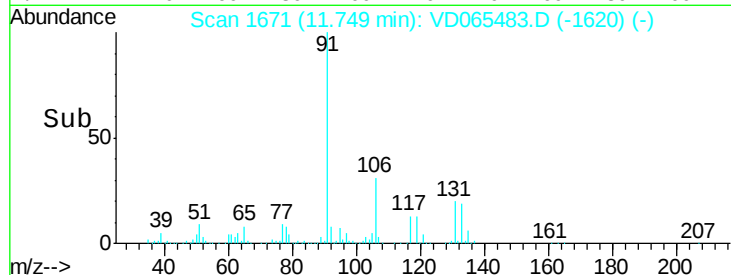
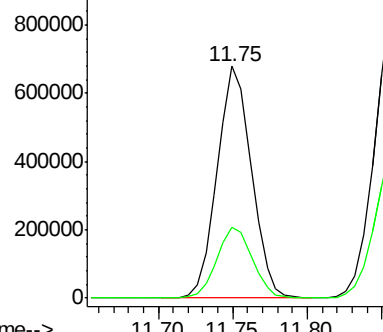
MMDadoda

3/16/2020 12:06:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.170 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065483.D

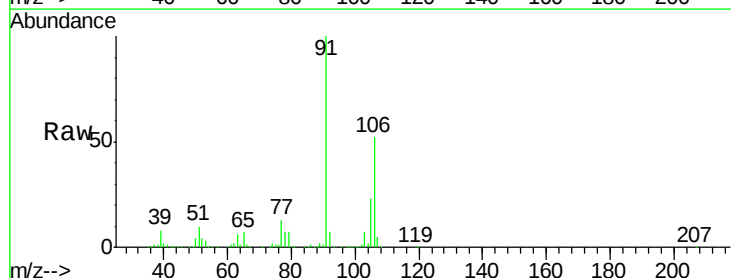
Acq: 12 Mar 2020 10:17

Tgt Ion: 106 Resp: 841701

Ion Ratio Lower Upper

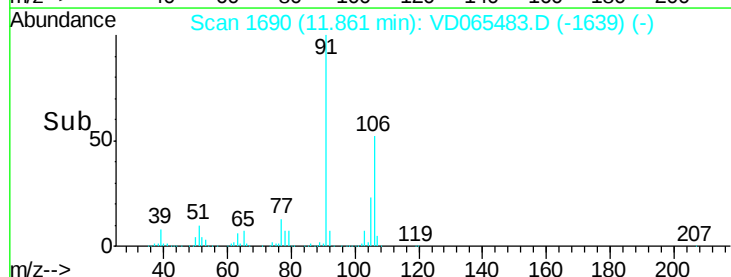
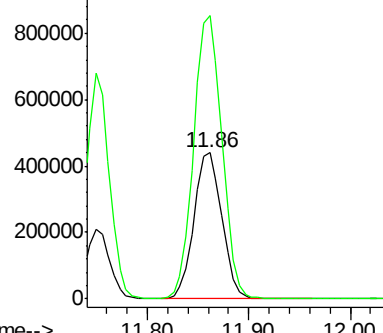
106 100

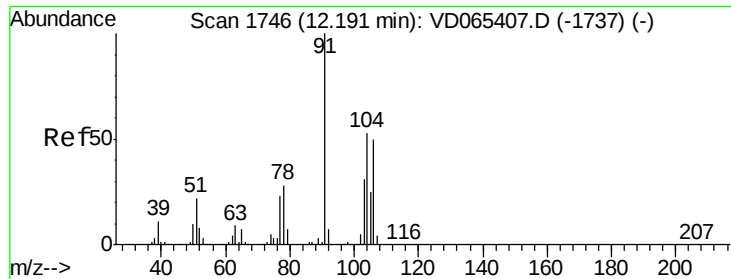
91 195.9 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





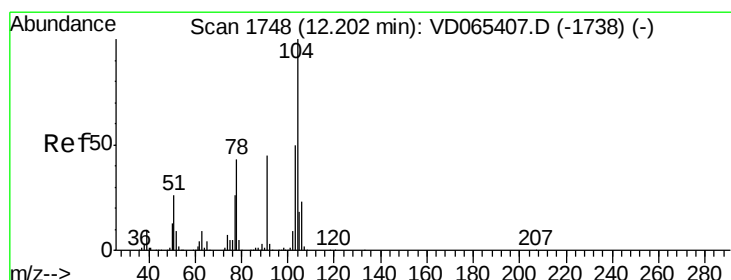
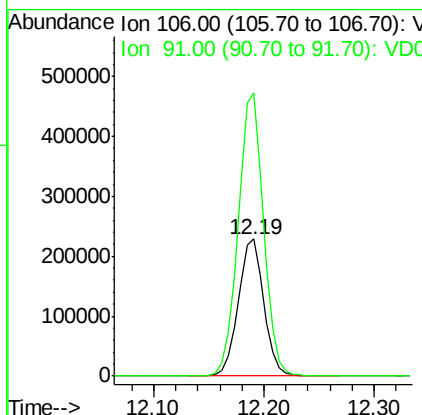
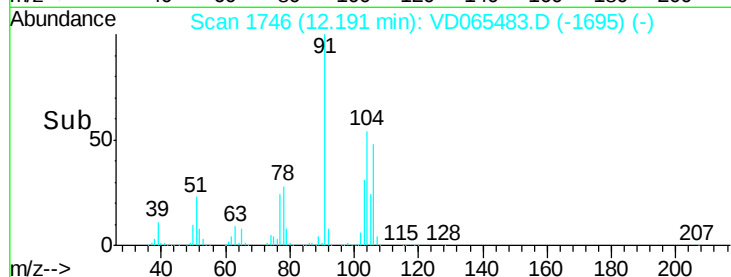
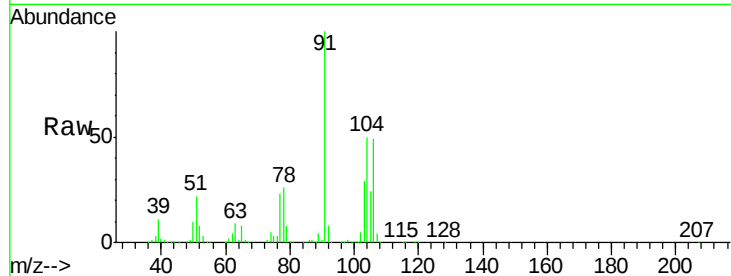
#69
o-Xylene
Concen: 51.117 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	370430		
91	206.2	103.5	310.3	

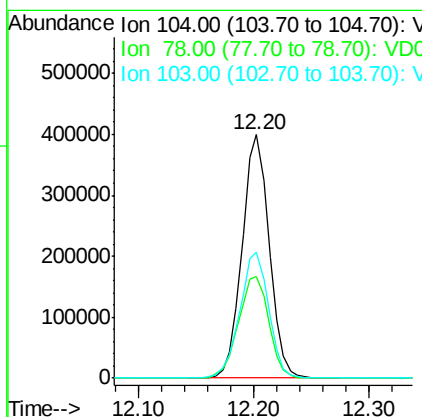
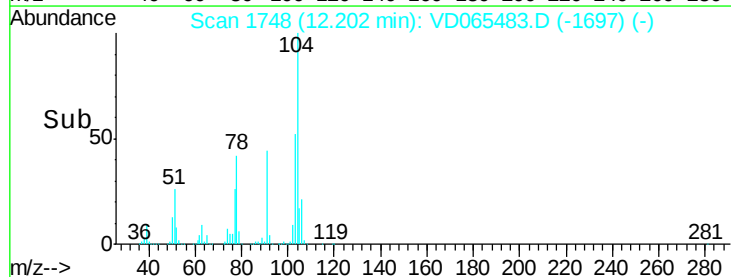
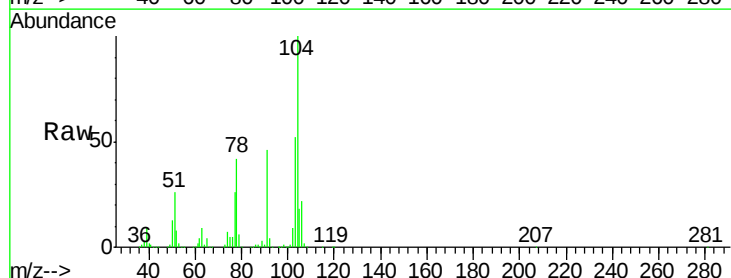
Manual Integrations
APPROVED

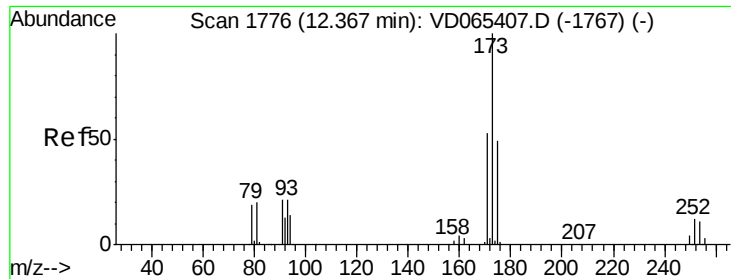
MMDadoda
3/16/2020 12:06:59 PM



#70
Styrene
Concen: 51.174 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	652667		
78	47.0	37.7	56.5	
103	55.1	43.6	65.4	





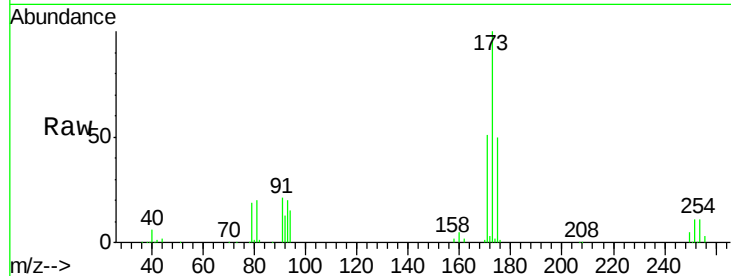
#71
Bromoform
Concen: 47.663 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

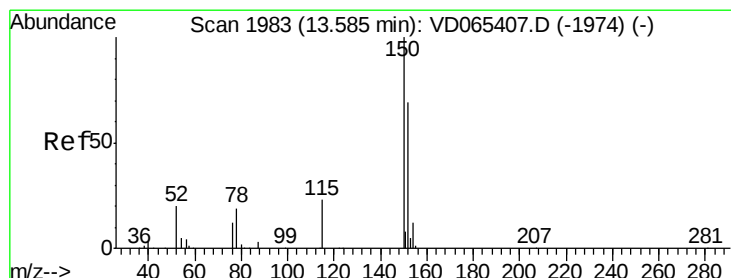
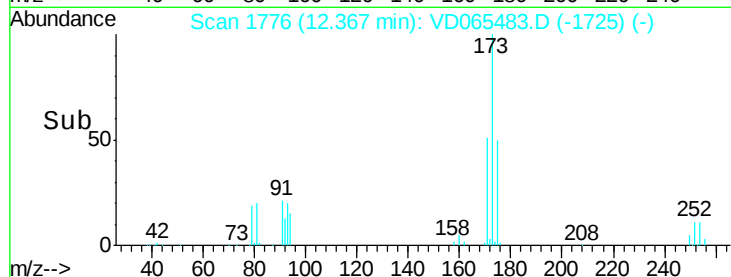
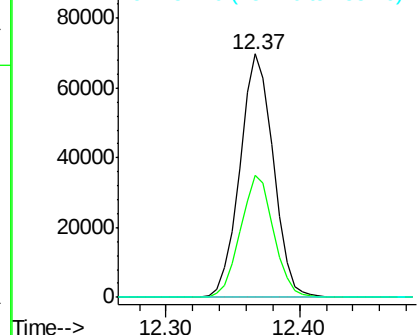
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	73.0
254	0.1	0.1	0.1#

Manual Integrations
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3/16/2020 12:06:59 PM

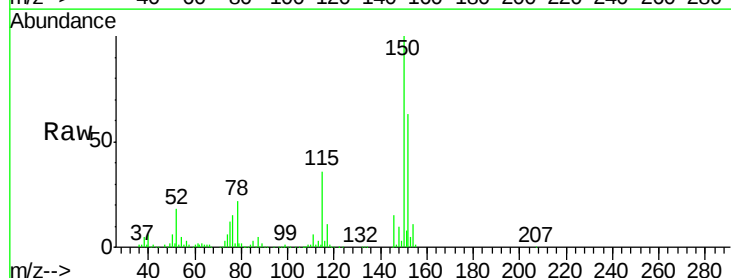


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

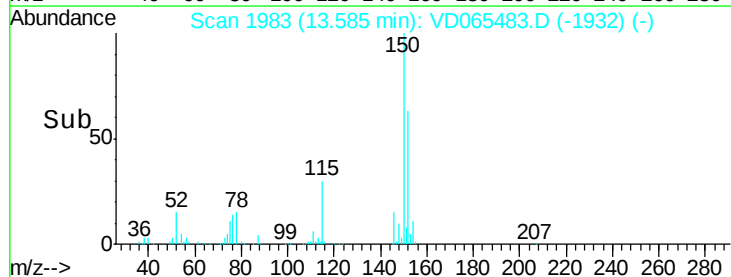
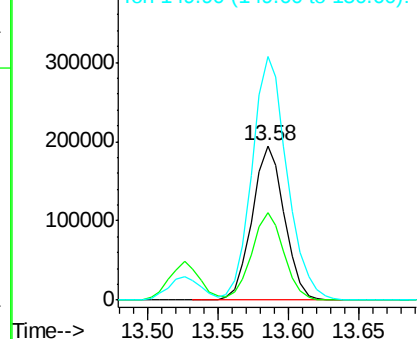


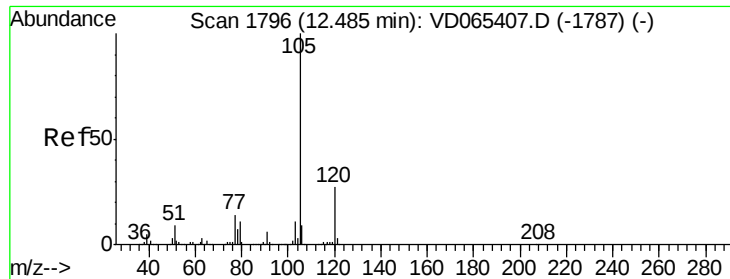
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.6	82.8
150	172.0	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.159 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1030711

Ion Ratio Lower Upper

105 100

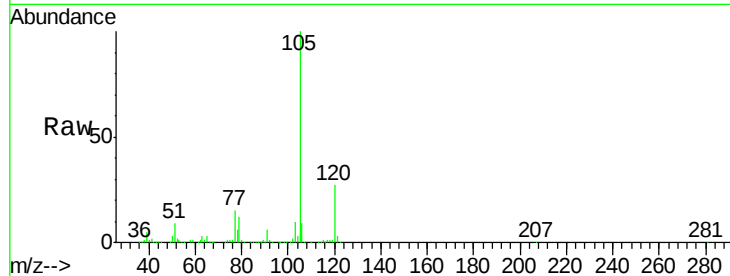
120 26.7 13.5 40.4

Manual Integrations

APPROVED

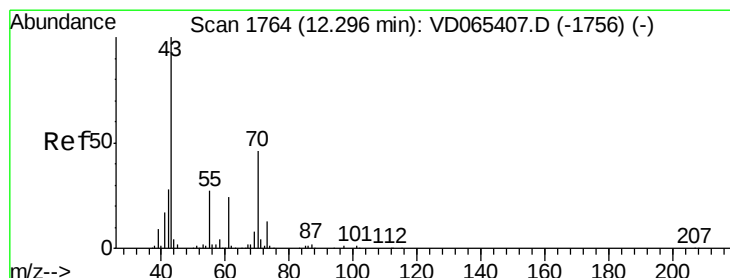
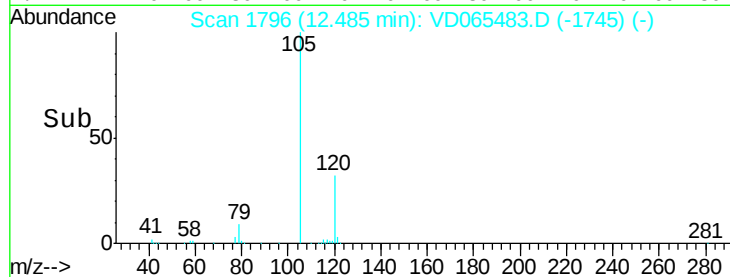
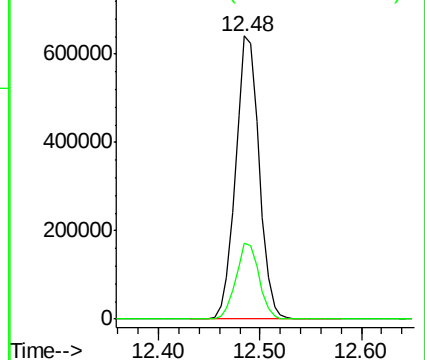
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.765 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion: 43 Resp: 188320

Ion Ratio Lower Upper

43 100

70 45.6 36.1 54.1

55 29.1 21.6 32.4

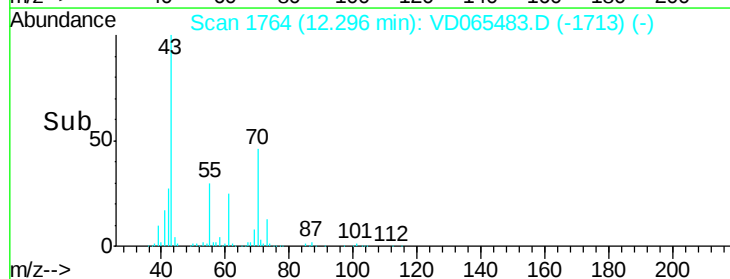
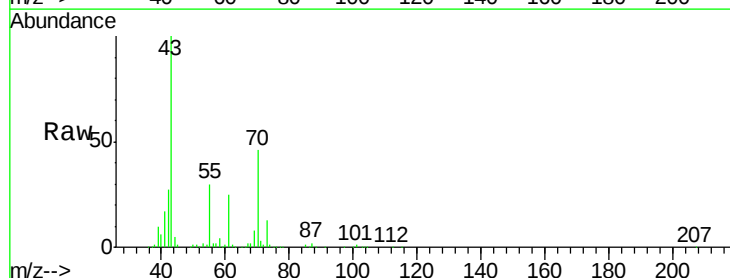
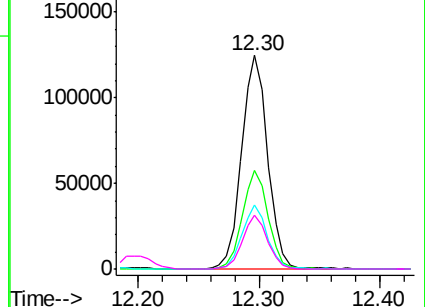
61 24.0 19.6 29.4

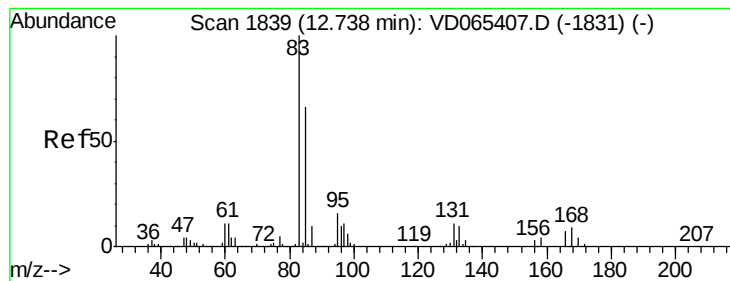
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.668 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

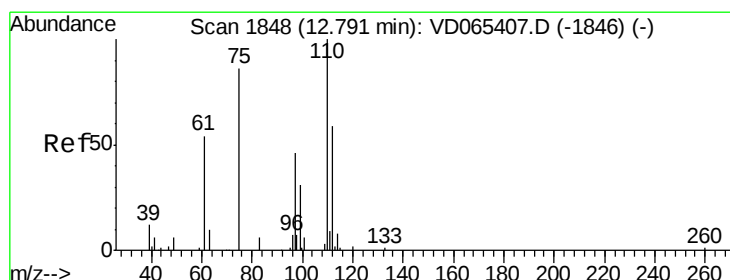
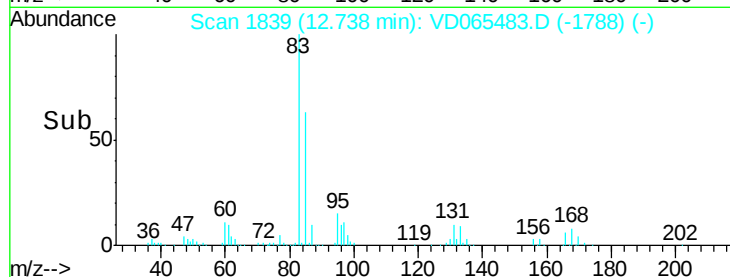
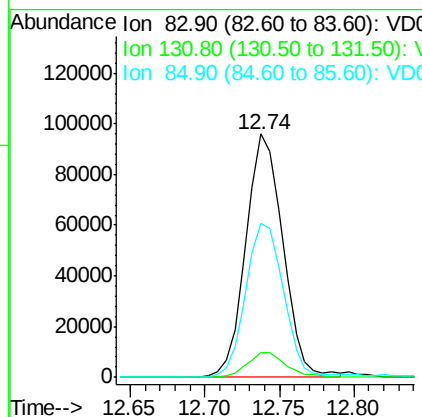
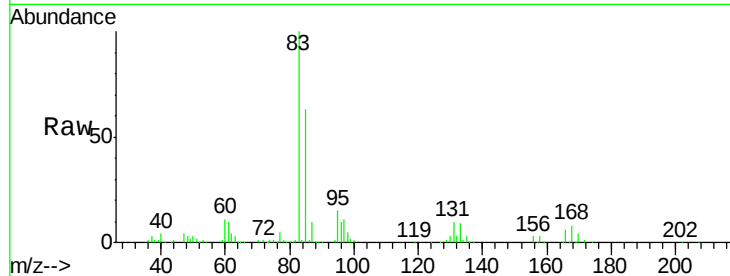
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164951
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 46.335 ug/l m

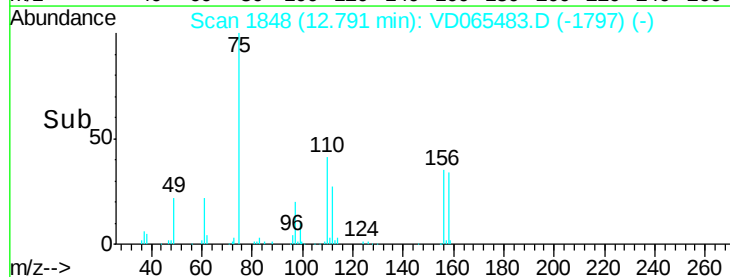
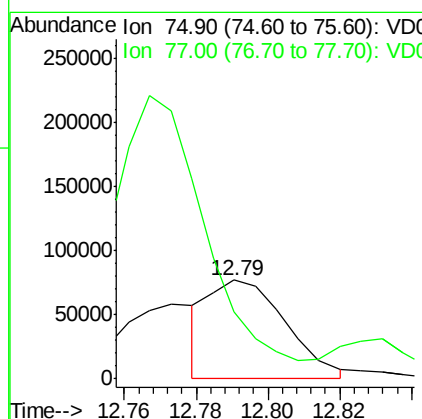
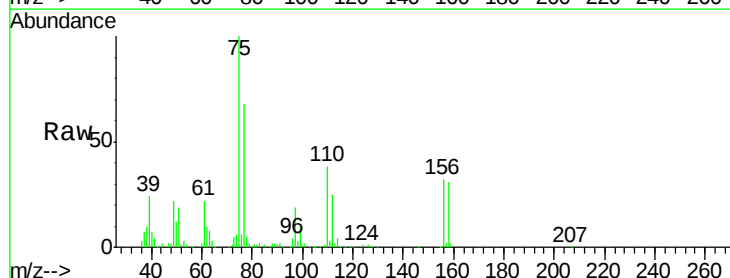
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	75	Resp:	114225
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





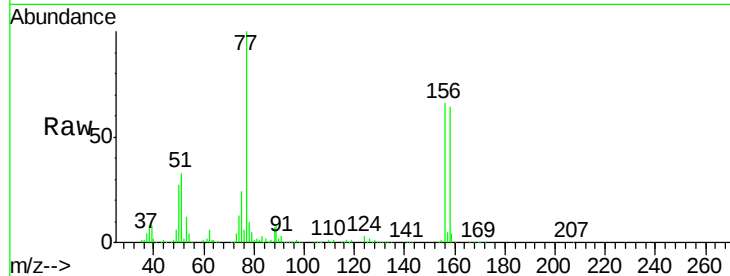
#77
Bromobenzene
Concen: 48.910 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

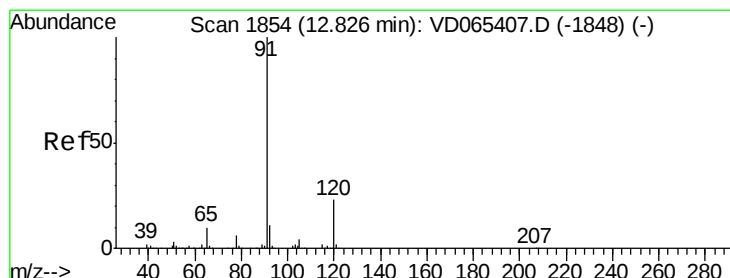
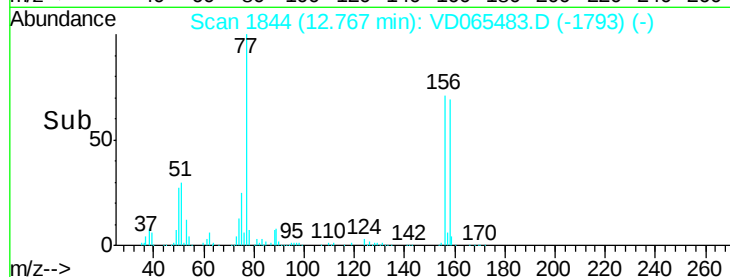
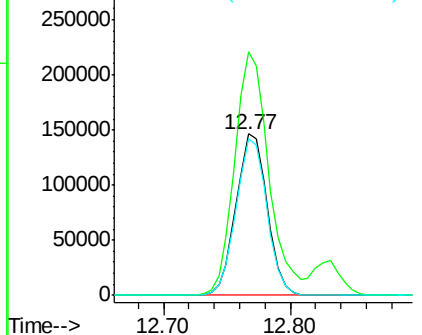
Tot Ion	Ratio	Lower	Upper
156	100		
77	164.6	84.9	254.6
158	96.3	49.0	147.2

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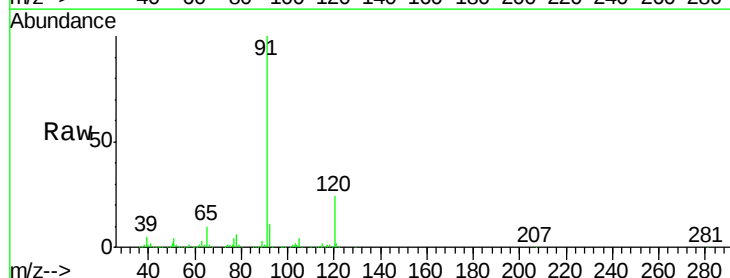


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

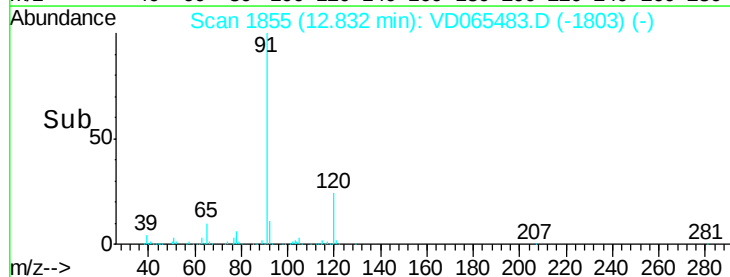
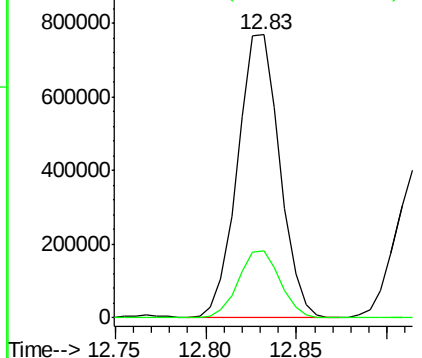


#78
n-propylbenzene
Concen: 50.977 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt 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





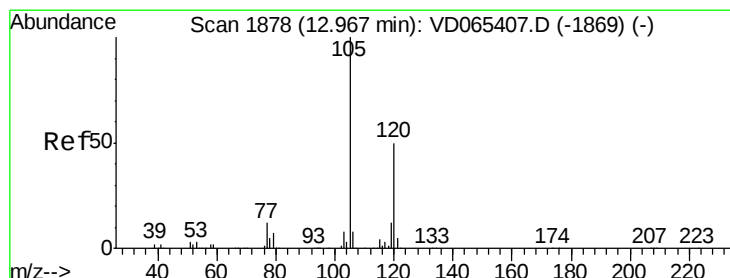
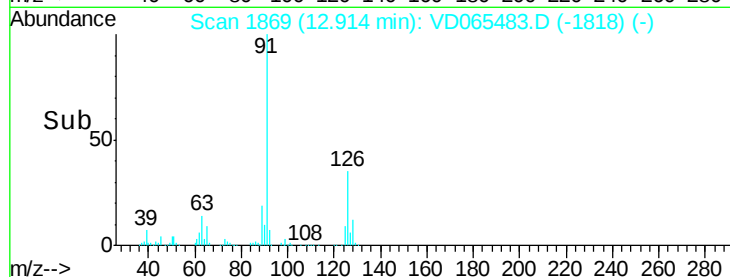
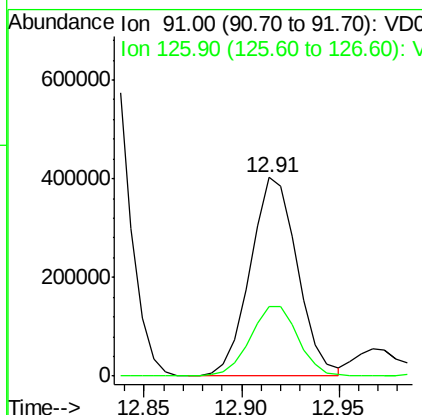
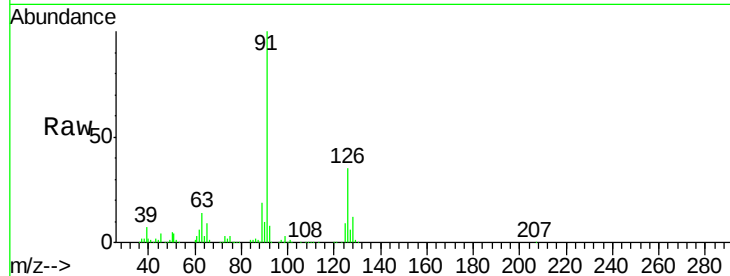
#79
 2-Chlorotoluene
 Concen: 48.919 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 672195
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.8

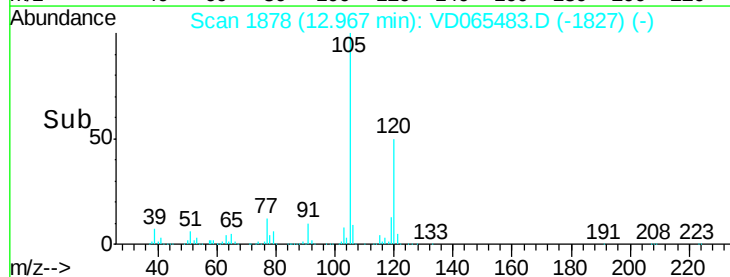
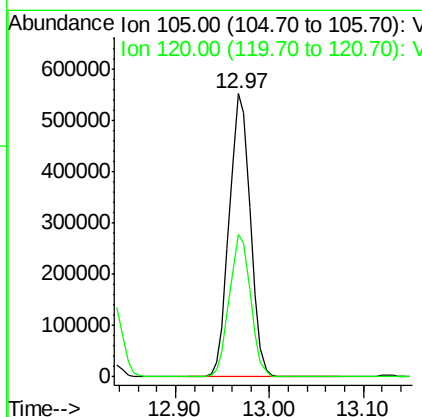
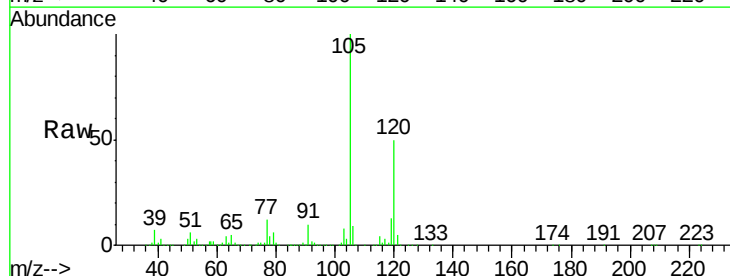
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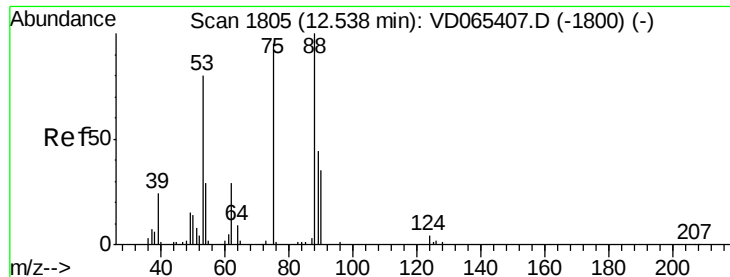
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.140 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion: 105 Resp: 863929
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.0





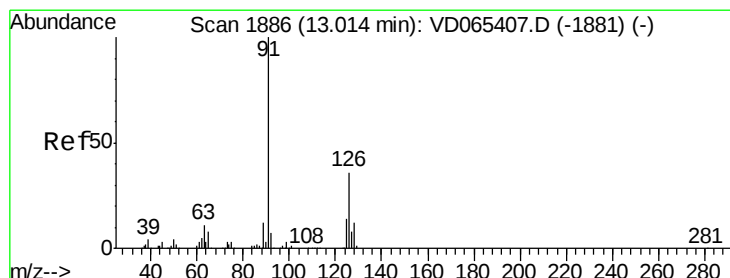
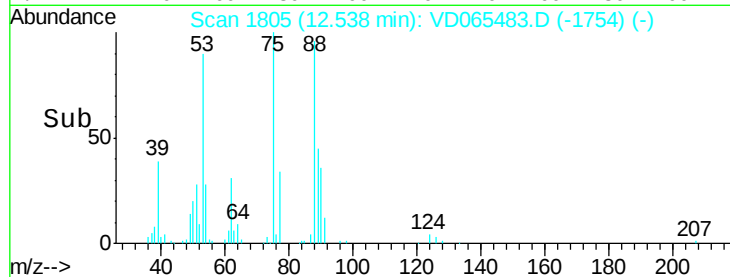
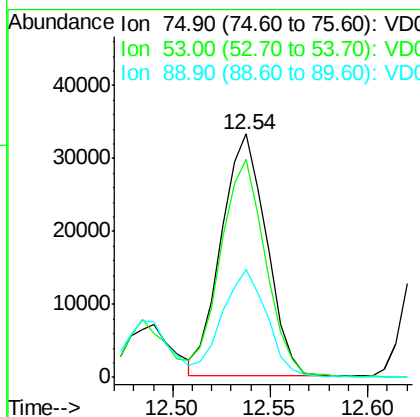
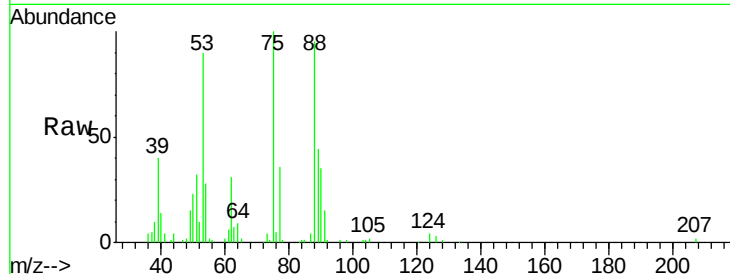
#81
trans-1,4-Dichloro-2-butene
Concen: 45.523 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	71.3	106.9
89	44.5	37.0	55.6

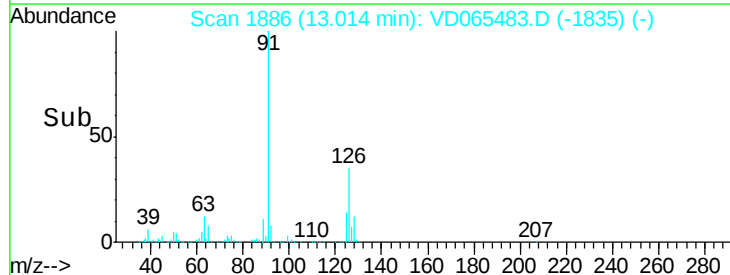
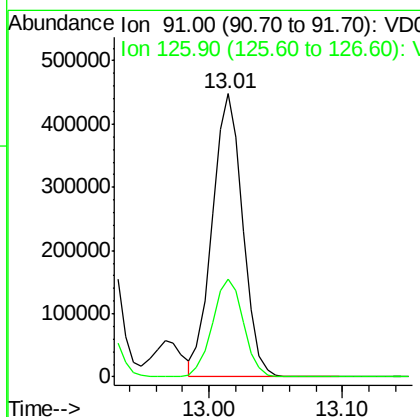
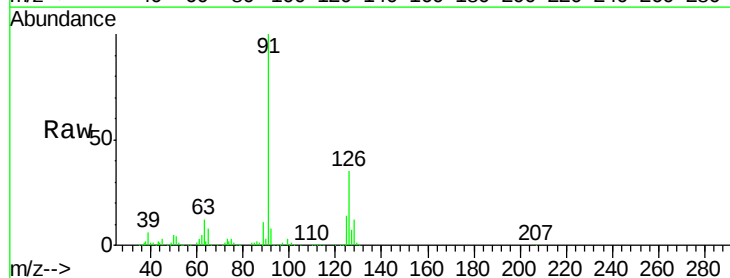
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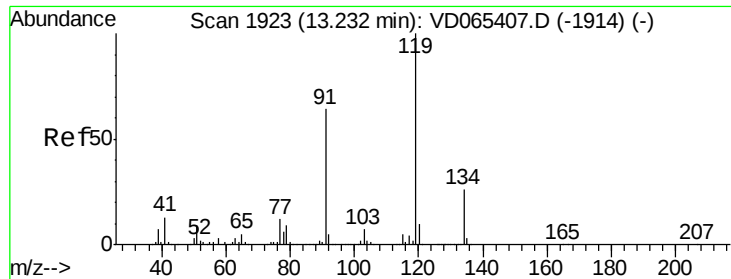
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#82
4-Chlorotoluene
Concen: 49.533 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8





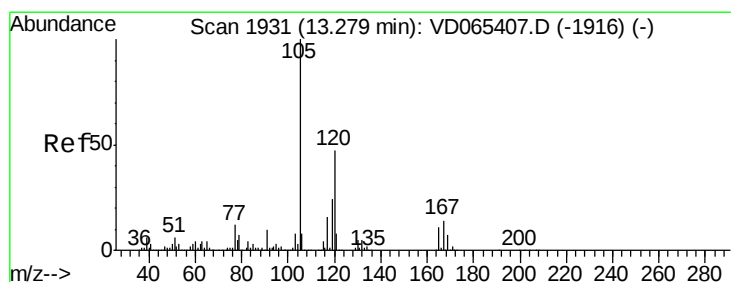
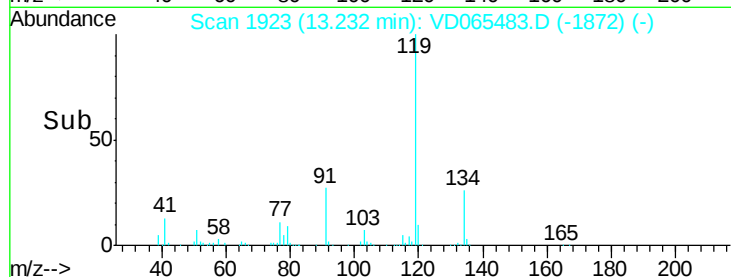
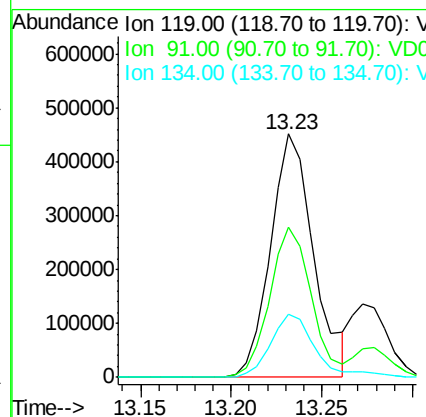
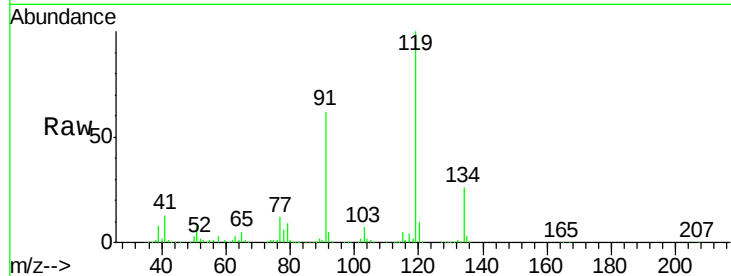
#83
tert-Butylbenzene
Concen: 52.092 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	31.6	95.0
134	27.2	14.2	42.8

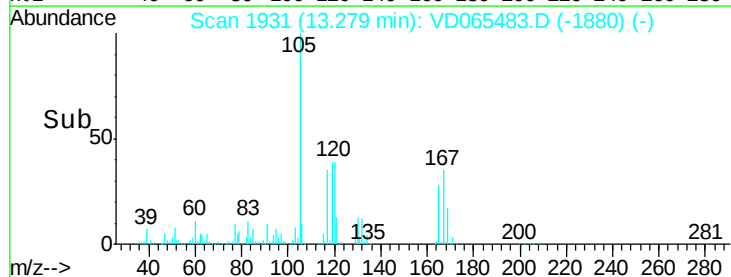
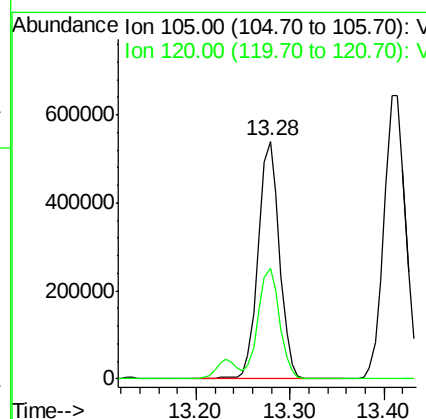
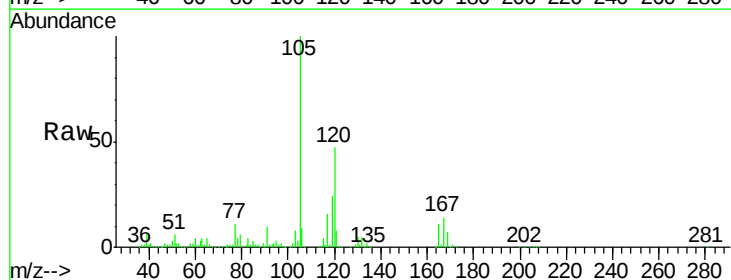
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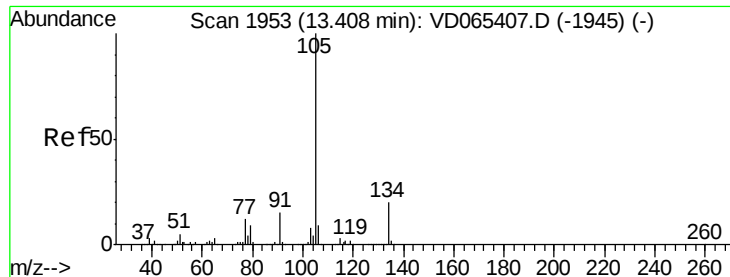
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#84
1,2,4-Trimethylbenzene
Concen: 50.874 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





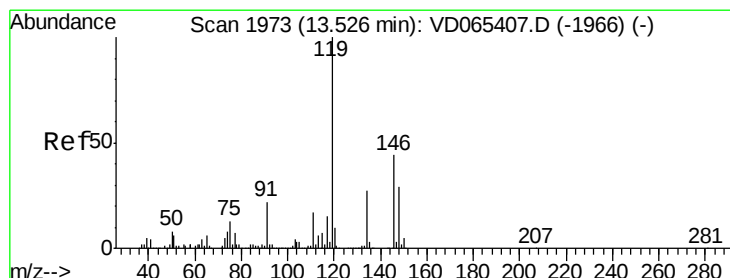
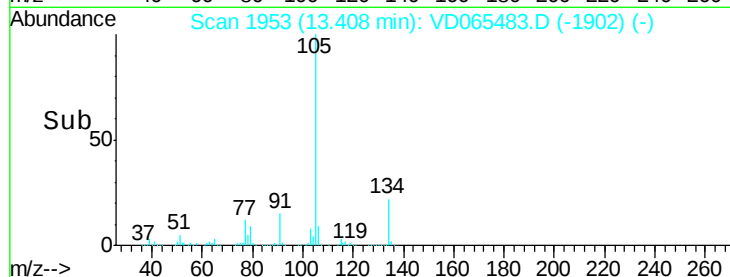
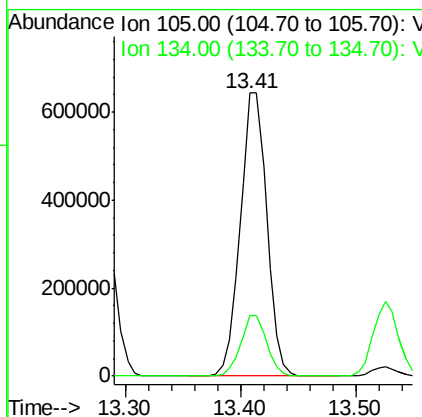
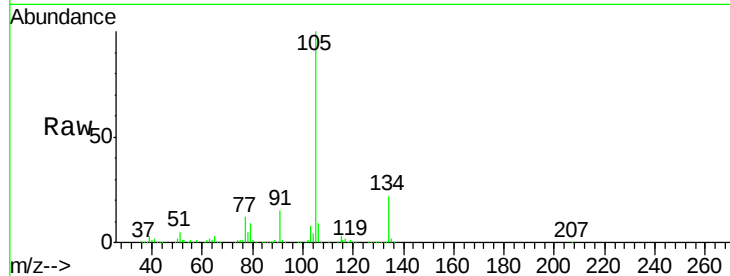
#85
 sec-Butylbenzene
 Concen: 50.340 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1026967
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.9

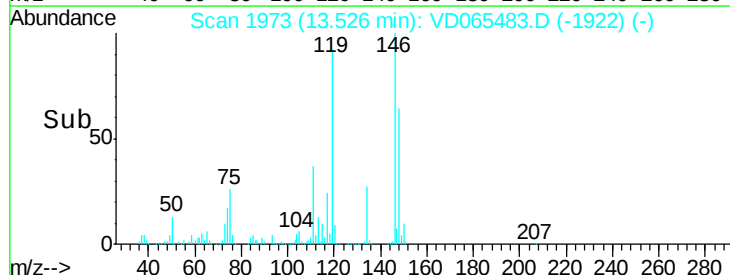
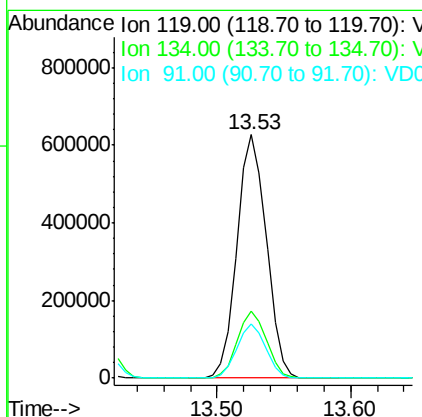
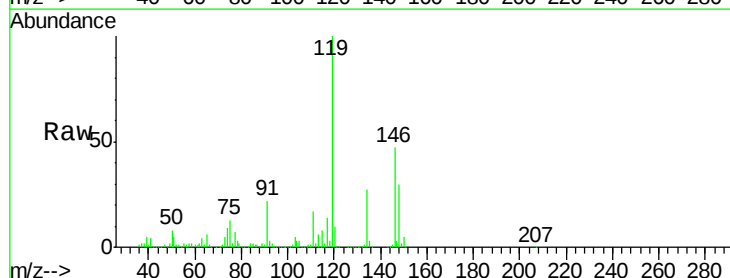
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#86
 p-Isopropyltoluene
 Concen: 51.278 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion:119 Resp: 954554
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.3 39.9
 91 21.9 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 48.954 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Instrument :

MSVOA_D

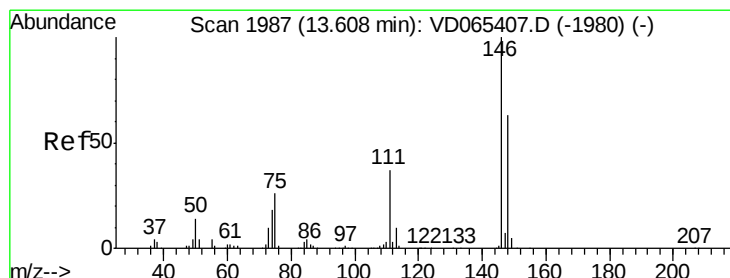
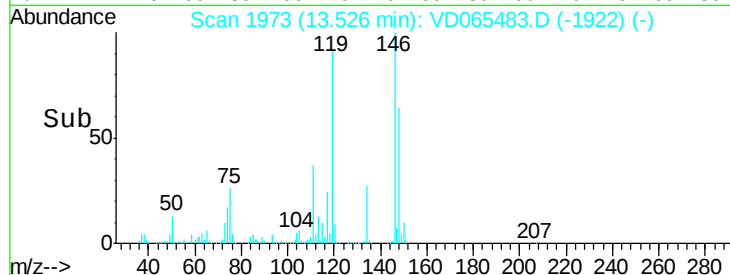
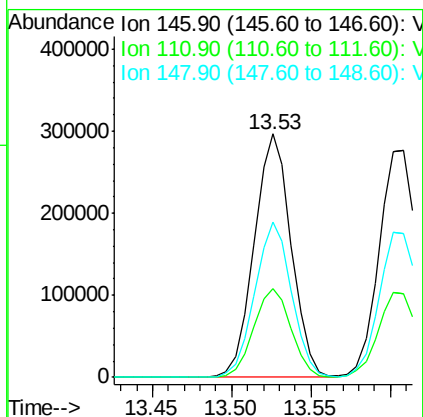
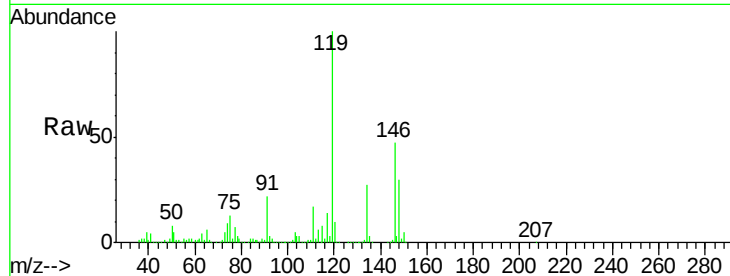
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	480498
Ion Ratio	Lower	Upper	
146	100		
111	37.1	19.1	57.1
148	63.8	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 47.913 ug/l

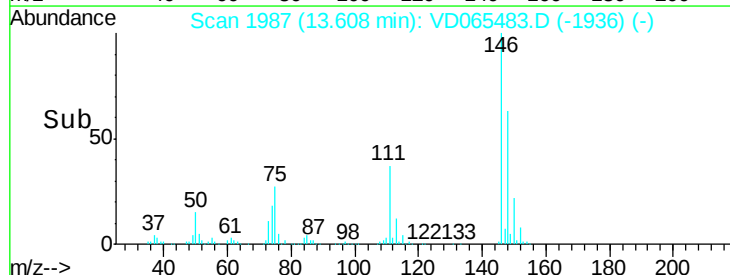
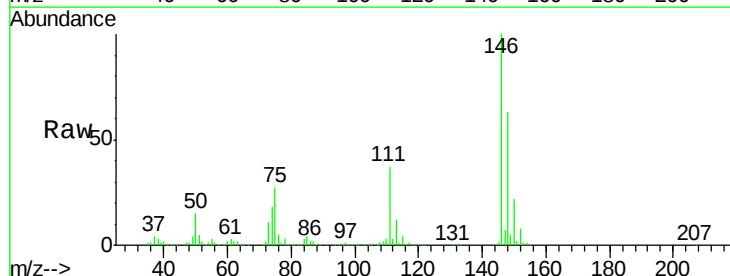
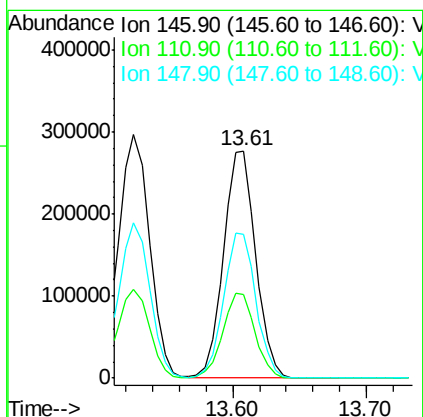
RT: 13.61 min Scan# 1987

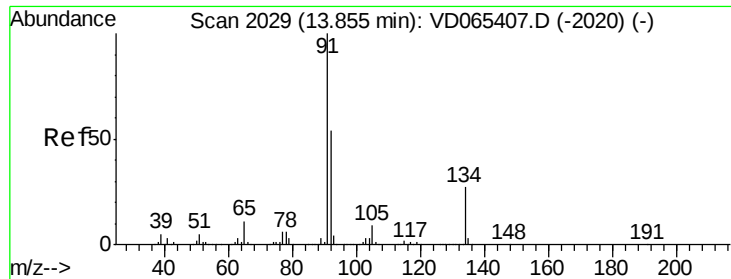
Delta R.T. 0.00 min

Lab File: VD065483.D

Acq: 12 Mar 2020 10:17

Tgt Ion:	146	Resp:	467813
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.5	55.5
148	63.9	32.0	96.0





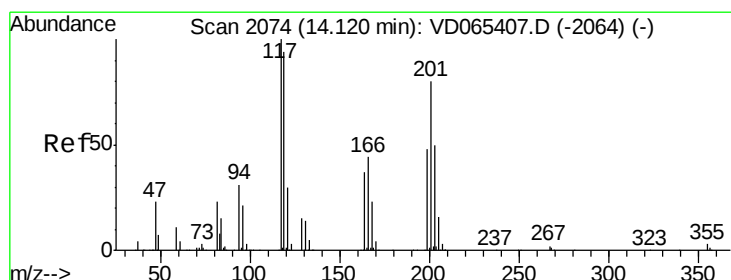
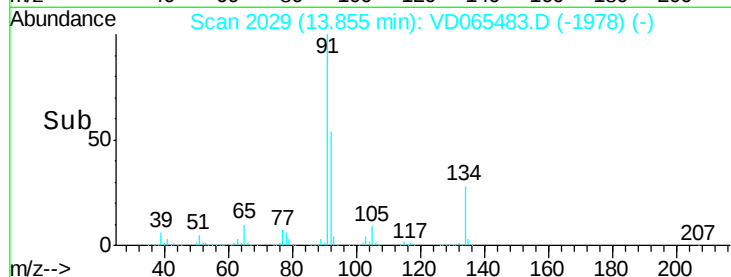
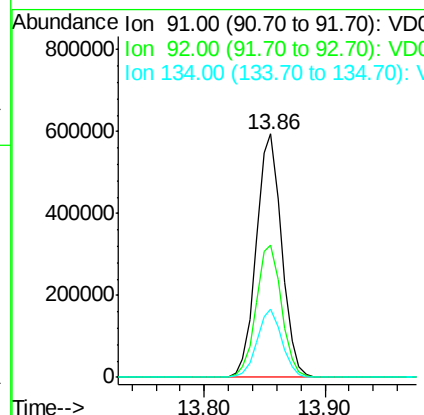
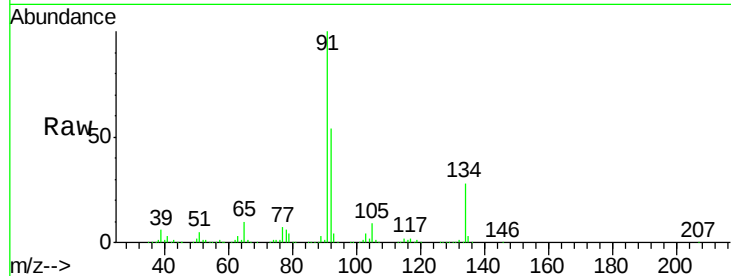
#89
n-Butylbenzene
Concen: 50.615 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.8	80.4
134	27.4	13.4	40.2

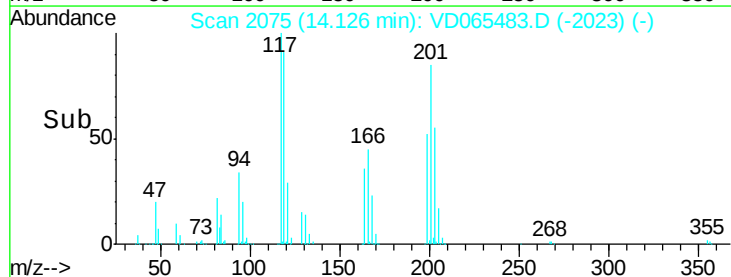
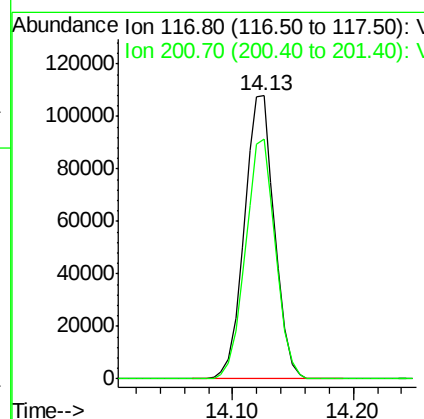
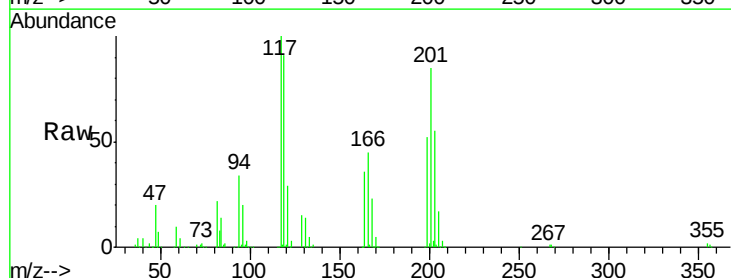
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#90
Hexachloroethane
Concen: 48.826 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.9	125.6





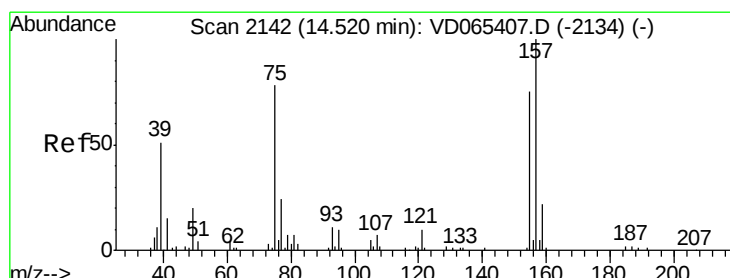
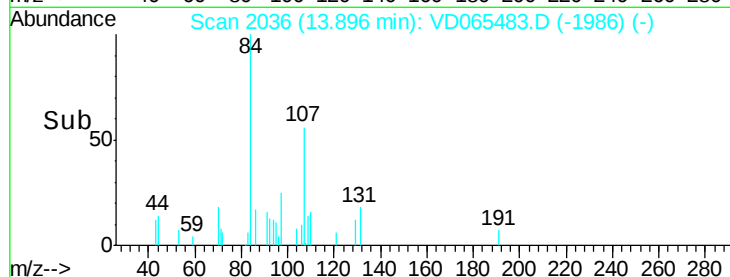
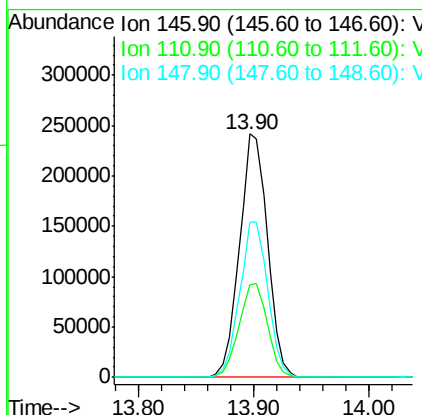
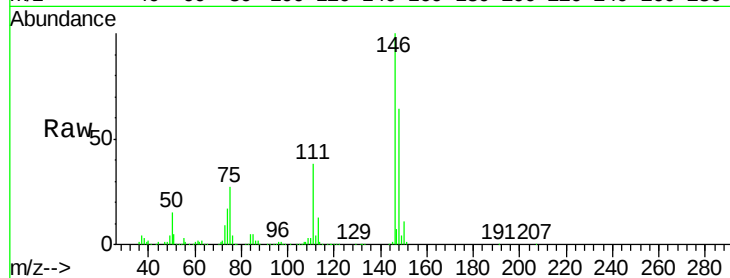
#91
1,2-Dichlorobenzene
Concen: 48.651 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.1	32.6	97.8

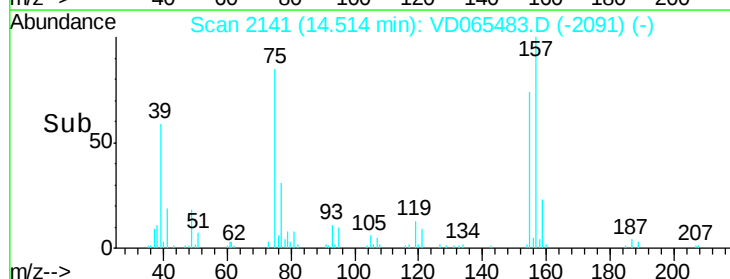
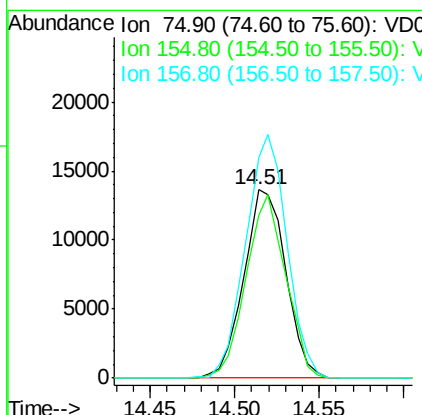
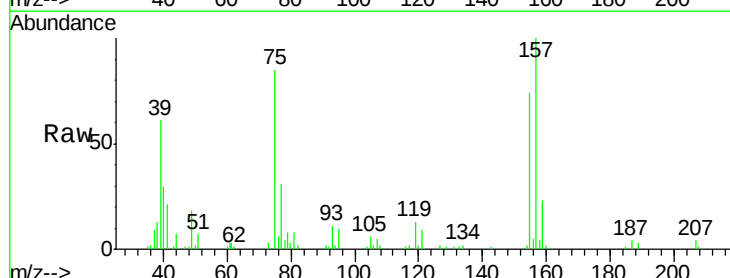
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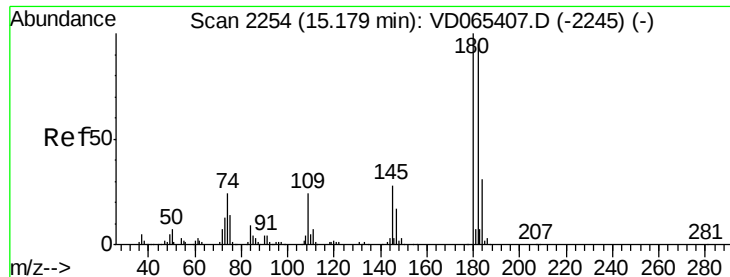
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#92
1,2-Dibromo-3-Chloropropane
Concen: 42.993 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.01 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	46.4	139.1
157	126.6	60.2	180.4





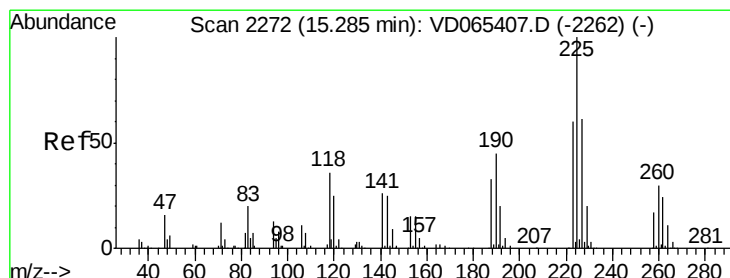
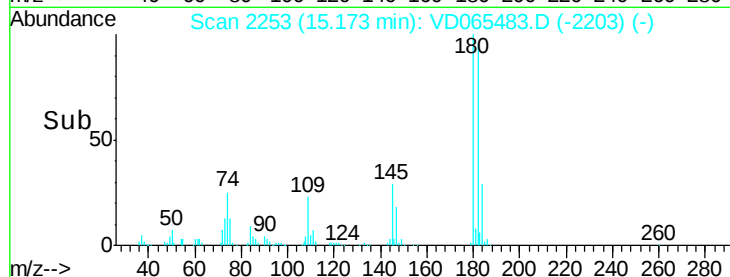
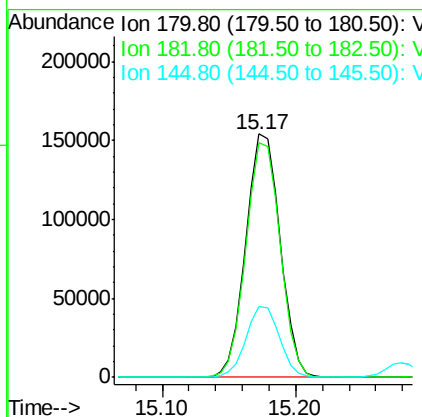
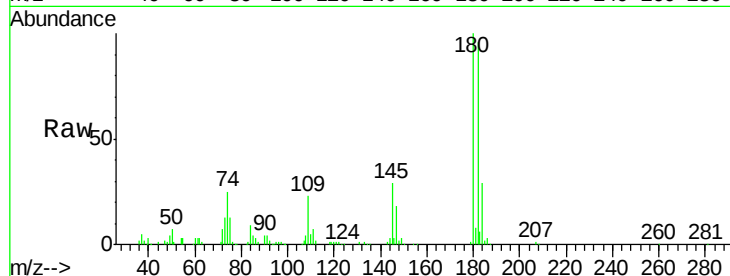
#93
 1,2,4-Trichlorobenzene
 Concen: 48.317 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273538		
182	96.0	48.3	144.9	
145	28.5	14.4	43.4	

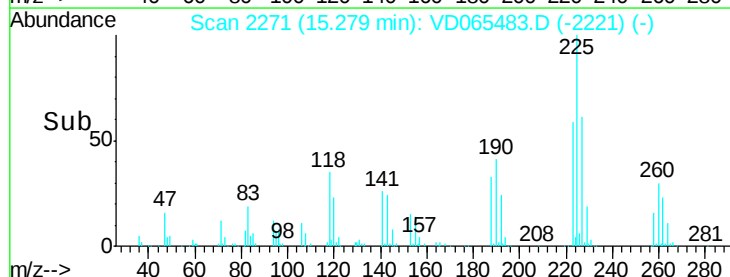
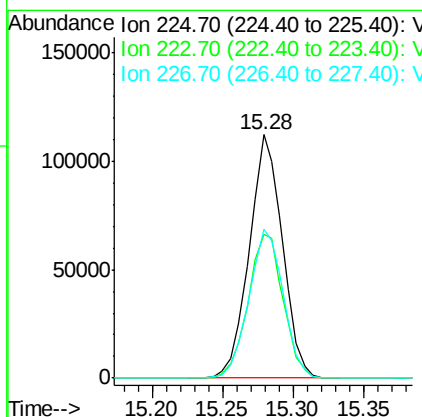
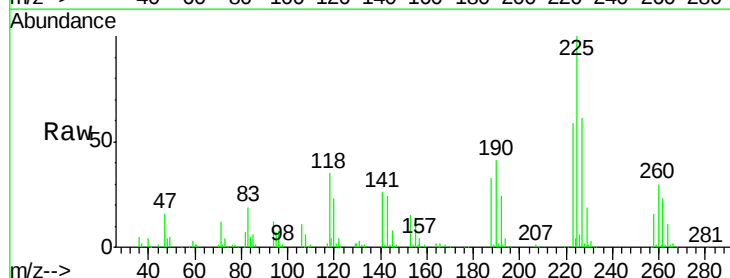
Manual Integrations
 APPROVED

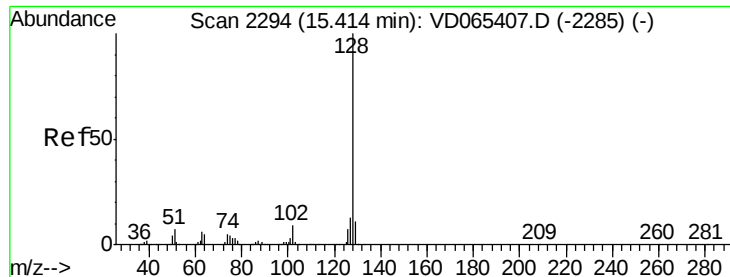
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#94
 Hexachlorobutadiene
 Concen: 49.691 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065483.D
 Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	184844		
223	62.6	30.9	92.5	
227	63.4	31.6	94.7	





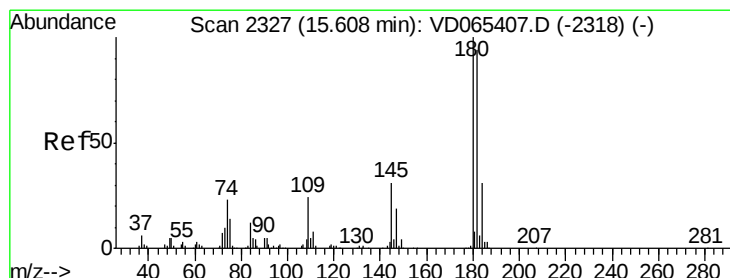
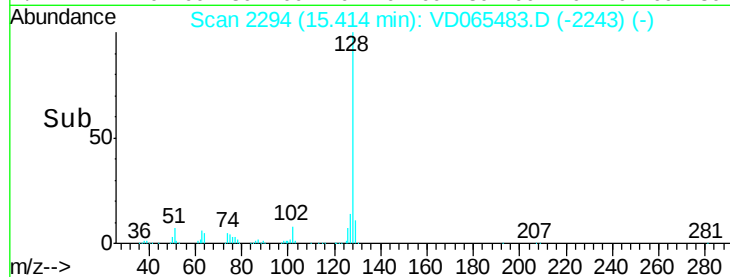
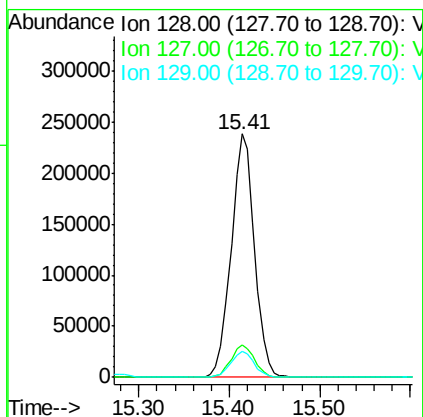
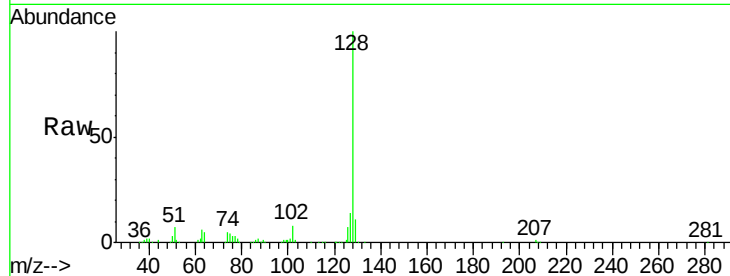
#95
Naphthalene
Concen: 42.726 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.467 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065483.D
Acq: 12 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	30.0	15.0	45.1

