

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065498.D
 Acq On : 13 Mar 2020 10:38
 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 2:05:25 PM

Quant Time: Mar 16 01:58:41 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	479725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	653028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185511	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	7.92	113	203014	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.34	98	778382	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	247446	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	169537	41.121	ug/l	96
3) Chloromethane	2.21	50	206544	41.494	ug/l	99
4) Vinyl Chloride	2.35	62	217632	44.327	ug/l	99
5) Bromomethane	2.77	94	126350	45.497	ug/l	99
6) Chloroethane	2.92	64	136642	45.442	ug/l	100
7) Trichlorofluoromethane	3.27	101	339488	46.927	ug/l	97
8) Diethyl Ether	3.71	74	97384	45.266	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222061	47.660	ug/l	99
10) Methyl Iodide	4.29	142	221315	45.721	ug/l	100
11) Tert butyl alcohol	5.25	59	53905	228.373	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	204941	45.935	ug/l	97
13) Acrolein	3.92	56	99657	244.811	ug/l	99
14) Allyl chloride	4.71	41	302244	44.100	ug/l	99
15) Acrylonitrile	5.43	53	213227	227.823	ug/l	100
16) Acetone	4.16	43	230214	276.621	ug/l	98
17) Carbon Disulfide	4.40	76	651132	43.825	ug/l	99
18) Methyl Acetate	4.72	43	94528	44.777	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	400824	46.718	ug/l	97
20) Methylene Chloride	4.96	84	221696	48.983	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	233276	47.003	ug/l	98
22) Diisopropyl ether	6.37	45	618756	48.566	ug/l	97
23) Vinyl Acetate	6.31	43	1725973	243.982	ug/l	100
24) 1,1-Dichloroethane	6.26	63	383386	46.915	ug/l	97
25) 2-Butanone	7.22	43	274890	242.042	ug/l	96
26) 2,2-Dichloropropane	7.21	77	343949	48.163	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241060	47.519	ug/l	99
28) Bromochloromethane	7.55	49	156969	48.010	ug/l	100
29) Tetrahydrofuran	7.57	42	166663	229.792	ug/l	97
30) Chloroform	7.71	83	394672	48.319	ug/l	99
31) Cyclohexane	7.98	56	366287	44.825	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	359293	47.599	ug/l	98
36) 1,1-Dichloropropene	8.11	75	321791	51.407	ug/l	98
37) Ethyl Acetate	7.30	43	123330	50.974	ug/l	98
38) Carbon Tetrachloride	8.10	117	338144	52.093	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	388371	51.369	ug/l	94
40) Benzene	8.36	78	903385	51.617	ug/l	99
41) Methacrylonitrile	7.53	41	58841	45.986	ug/l	95
42) 1,2-Dichloroethane	8.43	62	233921	51.184	ug/l	100
43) Isopropyl Acetate	8.46	43	216758	48.520	ug/l	99
44) Trichloroethene	9.11	130	253742	51.338	ug/l	99
45) 1,2-Dichloropropane	9.39	63	219701	51.822	ug/l	94
46) Dibromomethane	9.48	93	114465	52.052	ug/l	97
47) Bromodichloromethane	9.67	83	301618	52.721	ug/l	98
48) Methyl methacrylate	9.46	41	102733	48.888	ug/l	98
49) 1,4-Dioxane	9.47	88	25778	1024.806	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	591783	263.238	ug/l	100
52) Toluene	10.41	92	583575	52.929	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	274414	51.328	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	335758	51.884	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161773	51.940	ug/l	99
56) Ethyl methacrylate	10.67	69	185463	52.820	ug/l	98
57) 1,3-Dichloropropane	10.95	76	271677	51.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	254589	232.147	ug/l	100
59) 2-Hexanone	10.99	43	438501	281.774	ug/l	99
60) Dibromochloromethane	11.14	129	208333	52.182	ug/l	98
61) 1,2-Dibromoethane	11.25	107	155933	52.487	ug/l	96
64) Tetrachloroethene	10.88	164	222890	51.118	ug/l	99
65) Chlorobenzene	11.67	112	611851	50.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	223294	50.916	ug/l	99
67) Ethyl Benzene	11.75	91	1096801	52.715	ug/l	99
68) m/p-Xylenes	11.86	106	851338	106.116	ug/l	99
69) o-Xylene	12.18	106	369350	52.338	ug/l	98
70) Styrene	12.20	104	669875	53.935	ug/l	99
71) Bromoform	12.37	173	125746	51.046	ug/l #	100
73) Isopropylbenzene	12.48	105	1044529	51.531	ug/l	100
74) N-amyl acetate	12.30	43	197991	47.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172109	48.305	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	115922m	47.671	ug/l	
77) Bromobenzene	12.77	156	250023	49.647	ug/l	99
78) n-propylbenzene	12.83	91	1253763	52.131	ug/l	100
79) 2-Chlorotoluene	12.91	91	686288	50.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	866741	52.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	57382	49.797	ug/l	98
82) 4-Chlorotoluene	13.01	91	717390	50.367	ug/l	99
83) tert-Butylbenzene	13.23	119	724723	51.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	867498	52.812	ug/l	100
85) sec-Butylbenzene	13.41	105	1052317	52.292	ug/l	99
86) p-Isopropyltoluene	13.53	119	985802	53.685	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	487641	50.365	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	472081	49.016	ug/l	99
89) n-Butylbenzene	13.86	91	883597	52.049	ug/l	99
90) Hexachloroethane	14.12	117	189885	50.213	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	413790	50.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25083	46.225	ug/l	99

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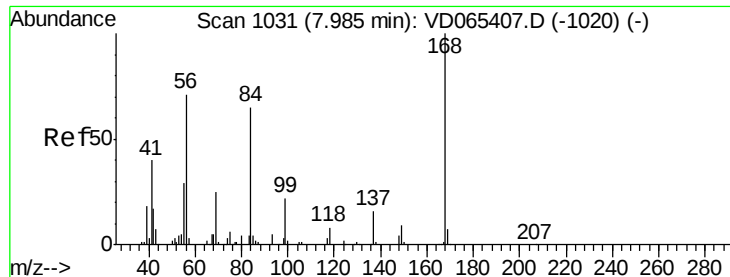
Manual Integrations
APPROVED

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3/16/2020 2:05:25 PM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	278250	49.826	ug/l	100
94) Hexachlorobutadiene	15.28	225	188076	51.256	ug/l	98
95) Naphthalene	15.41	128	447281	45.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	248983	51.595	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 479725

Ion Ratio Lower Upper

168 100

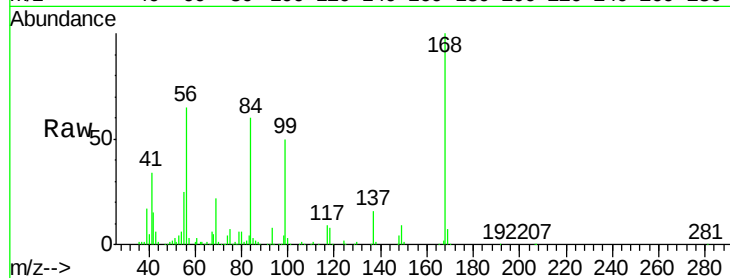
99 50.2 41.5 62.3

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

250000

200000

150000

100000

50000

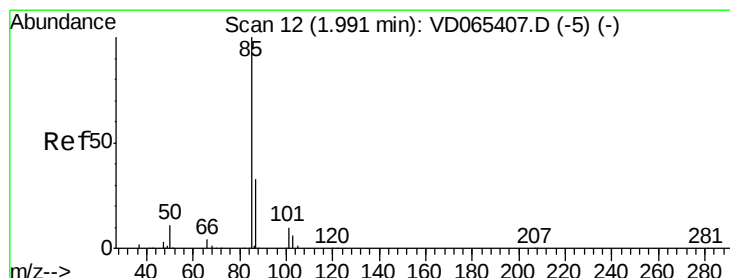
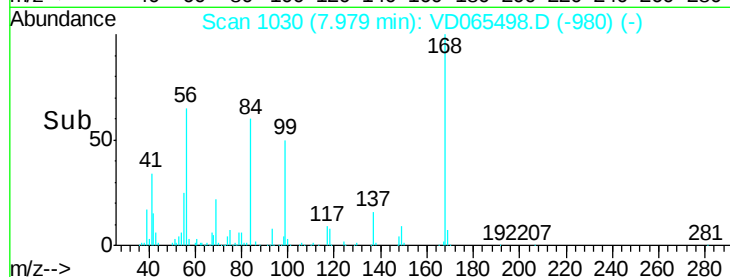
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.121 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065498.D

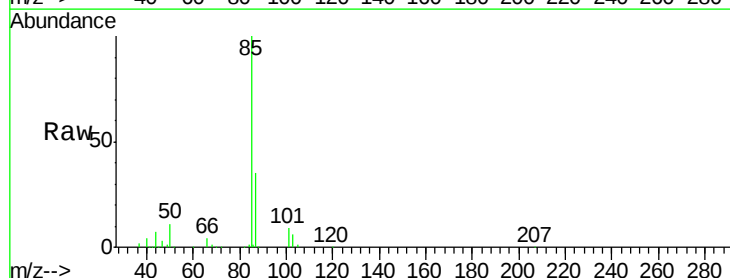
Acq: 13 Mar 2020 10:38

Tgt Ion: 85 Resp: 169537

Ion Ratio Lower Upper

85 100

87 34.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

50000

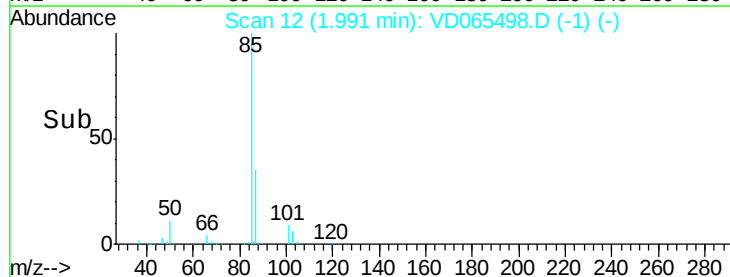
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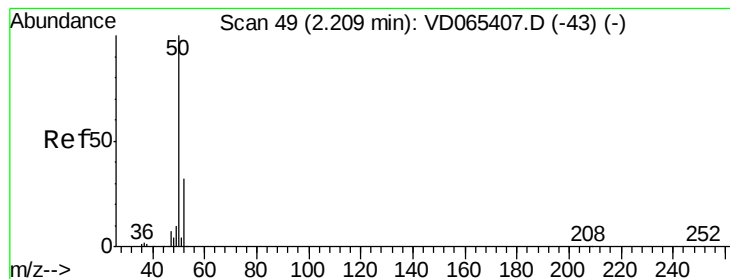
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 41.494 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 206544

Ion Ratio Lower Upper

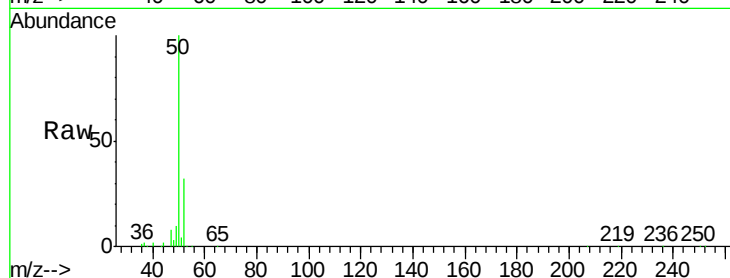
50 100

52 31.9 25.8 38.8

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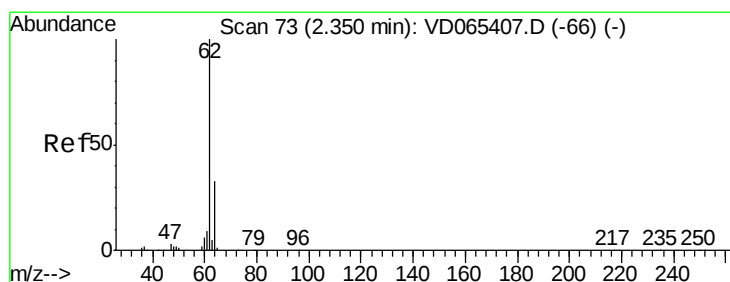
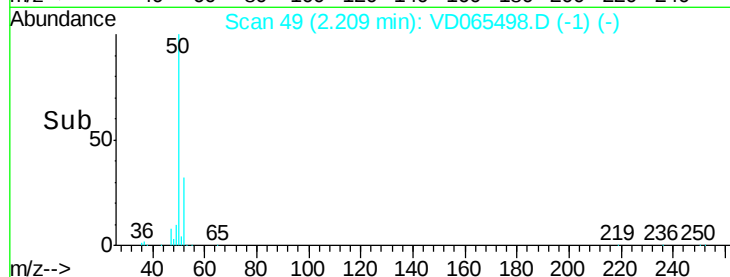
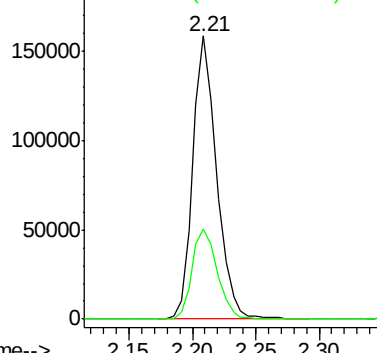
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.327 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065498.D

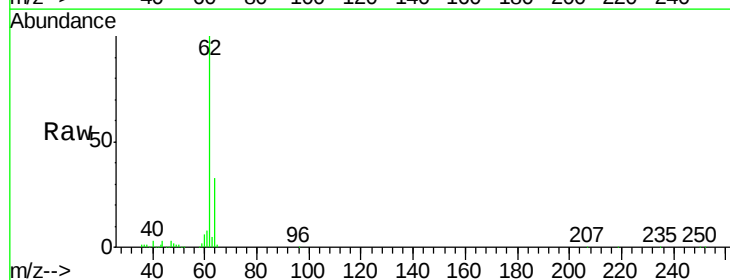
Acq: 13 Mar 2020 10:38

Tgt Ion: 62 Resp: 217632

Ion Ratio Lower Upper

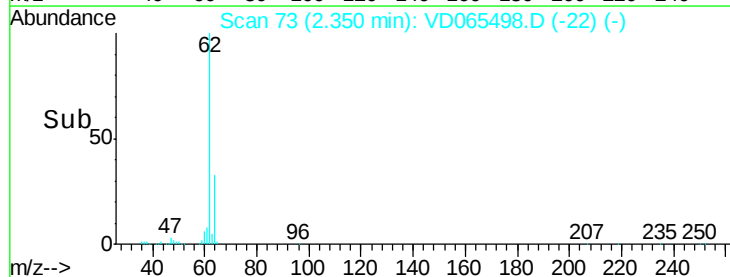
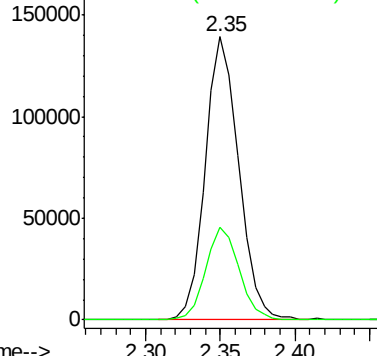
62 100

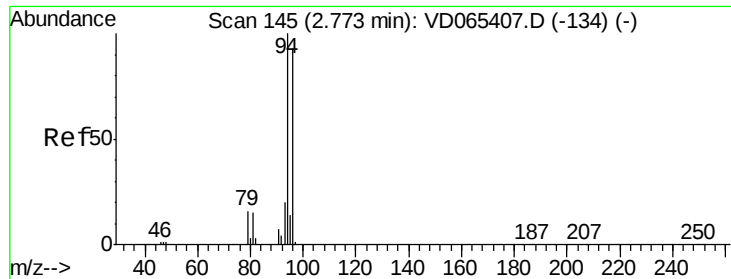
64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.497 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 126350

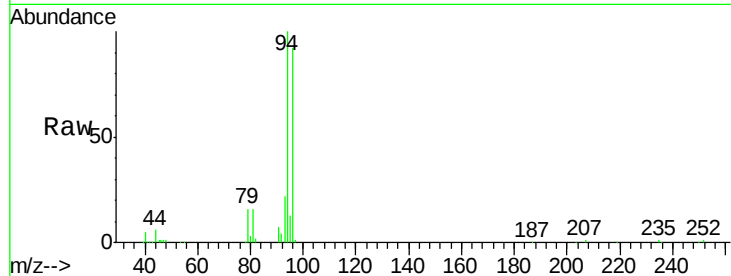
Ion Ratio Lower Upper

94 100

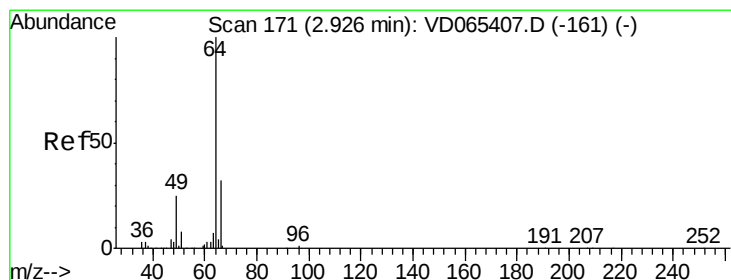
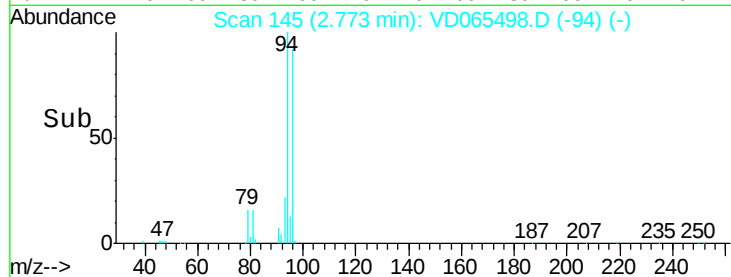
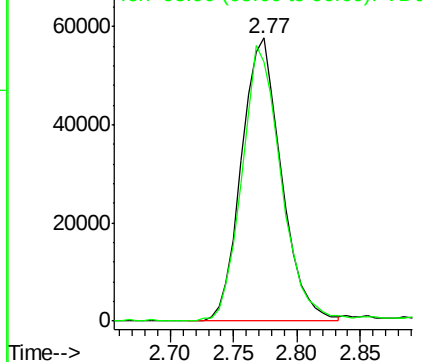
96 91.6 74.4 111.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.442 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065498.D

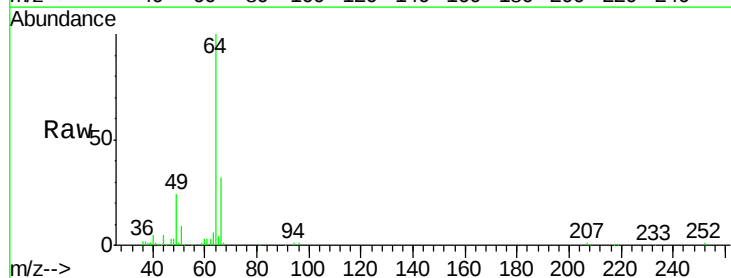
Acq: 13 Mar 2020 10:38

Tgt Ion: 64 Resp: 136642

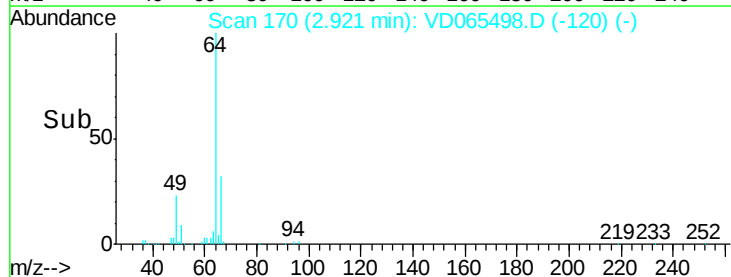
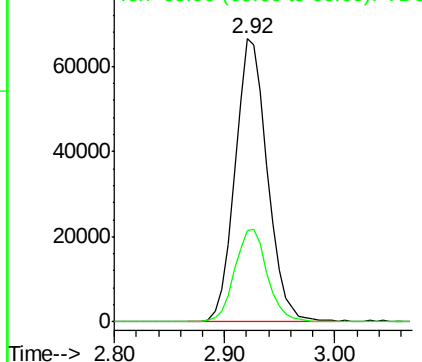
Ion Ratio Lower Upper

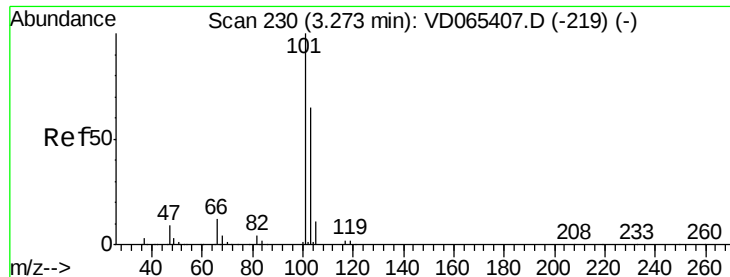
64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

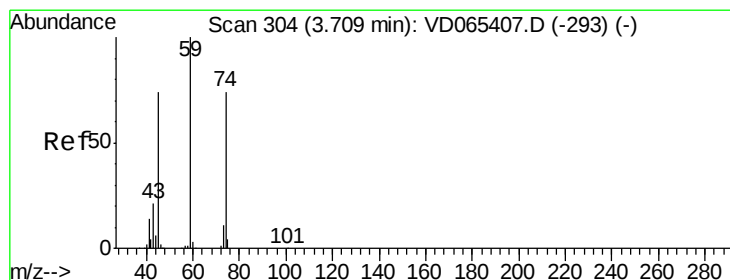
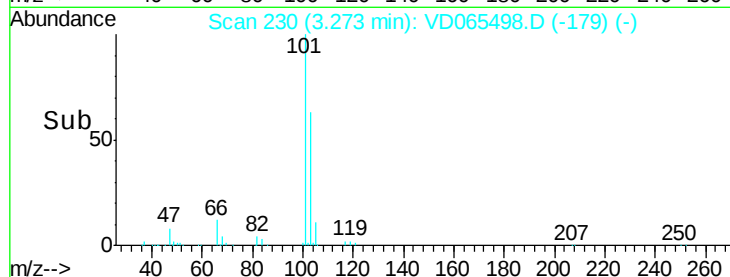
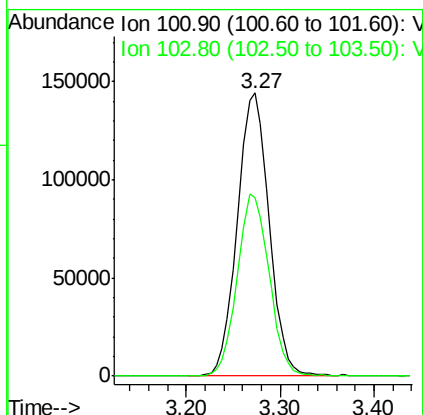
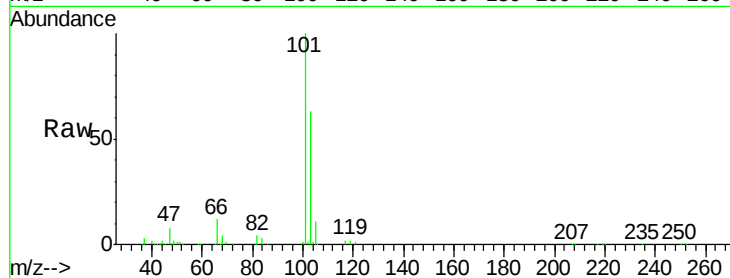
Trichlorofluoromethane
Concen: 46.927 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.1	78.1

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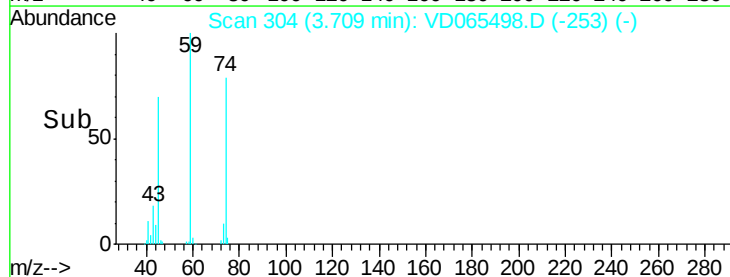
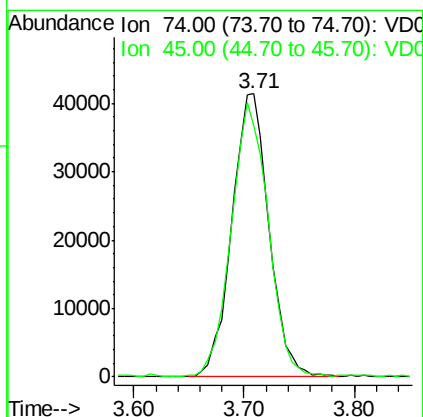
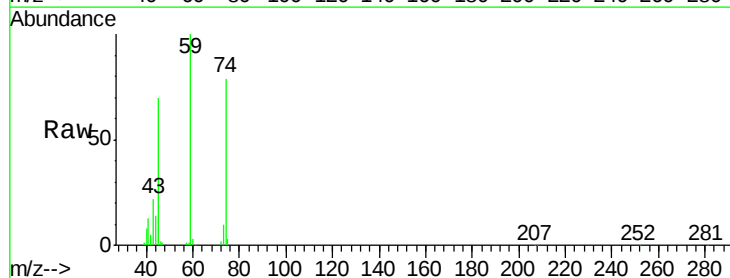
MMDadoda
3/16/2020 2:05:25 PM

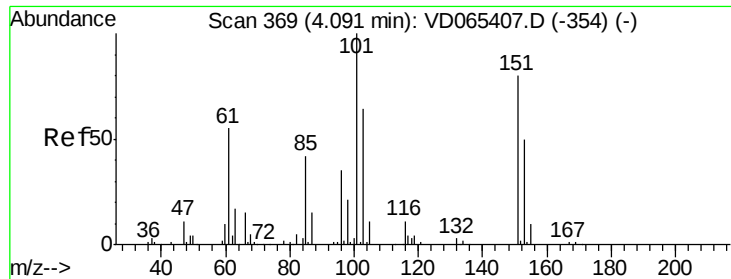


#8

Diethyl Ether
Concen: 45.266 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.660 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

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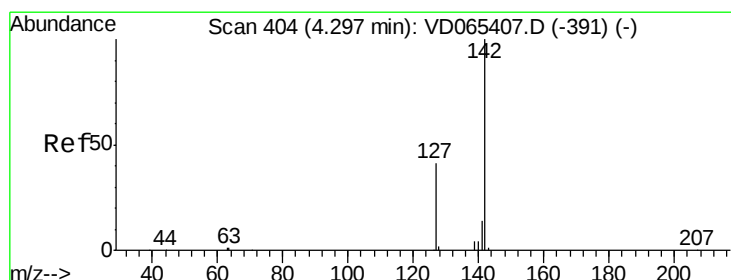
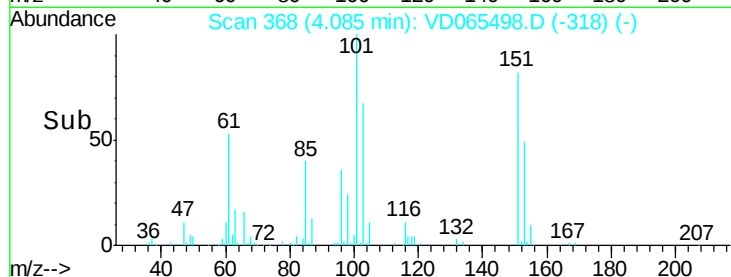
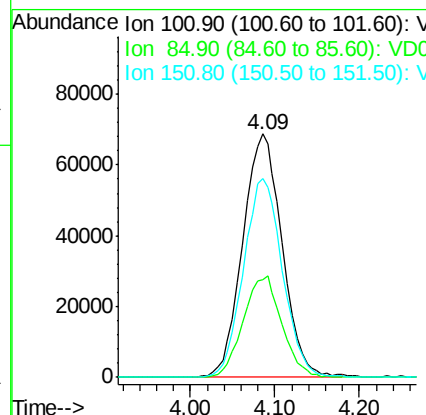
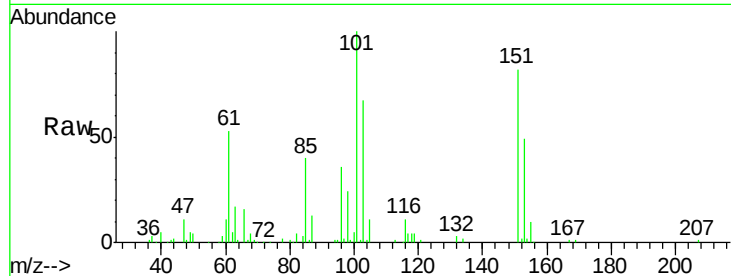
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	222061
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.2	51.2
151	81.2	65.1	97.7

Manual Integrations
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MMDadoda
3/16/2020 2:05:25 PM



#10

Methyl Iodide

Concen: 45.721 ug/l

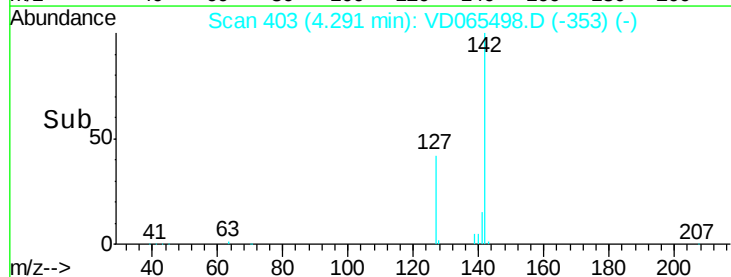
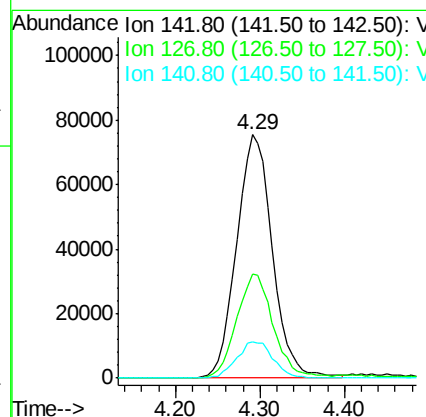
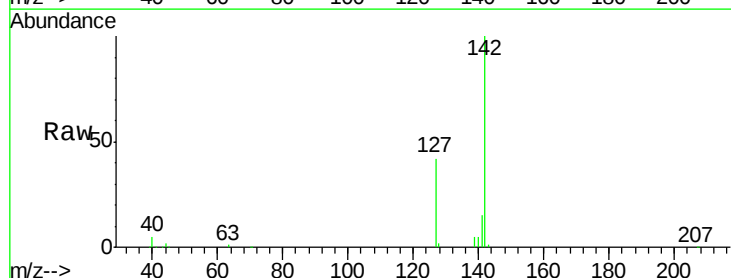
RT: 4.29 min Scan# 403

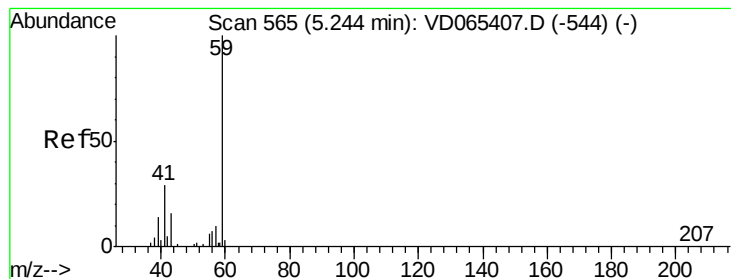
Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	142	Resp:	221315
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.0	52.6
141	15.2	12.4	18.6





#11

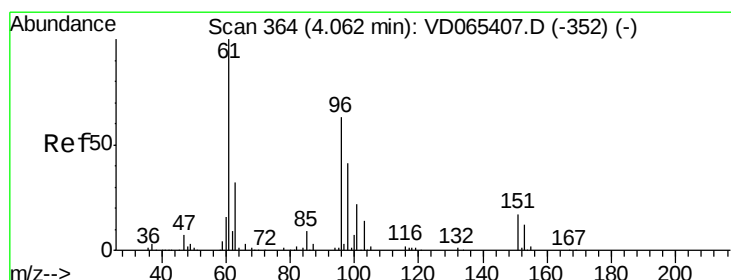
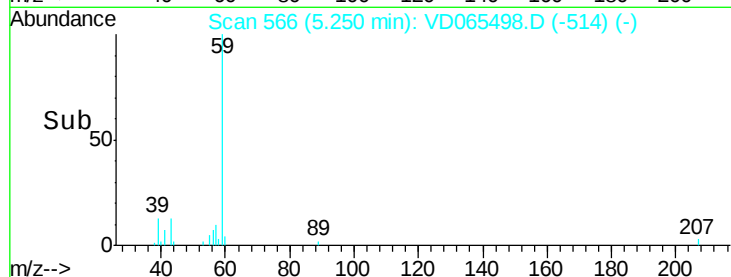
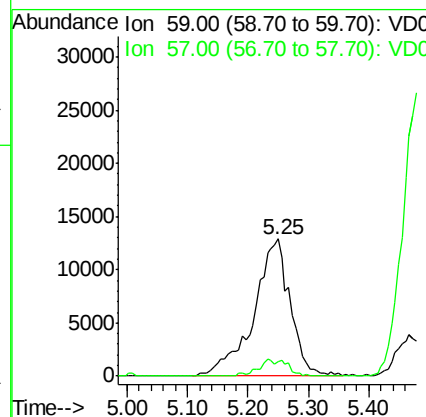
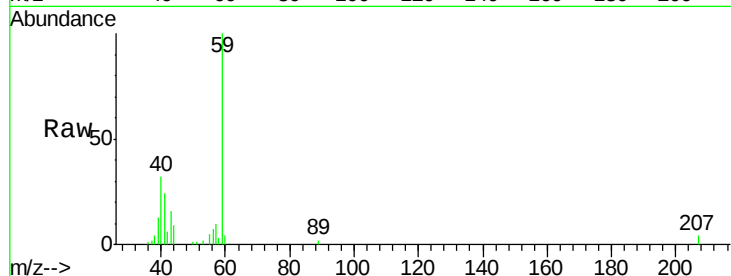
Tert butyl alcohol
Concen: 228.373 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	6.9	10.3#

Manual Integrations
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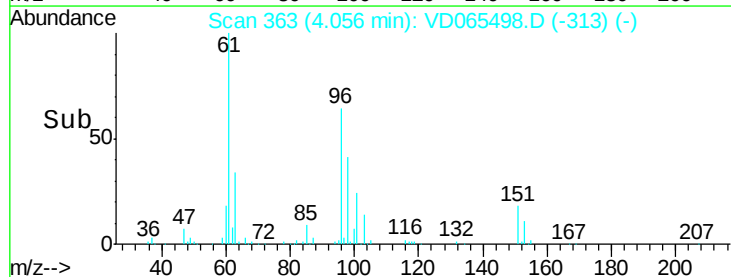
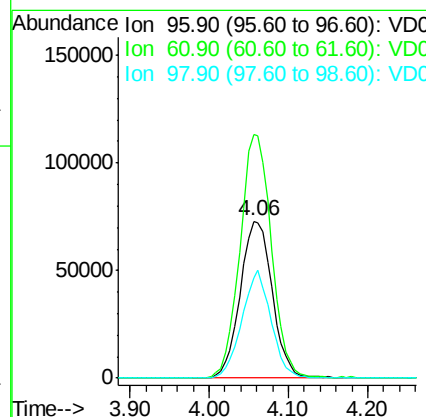
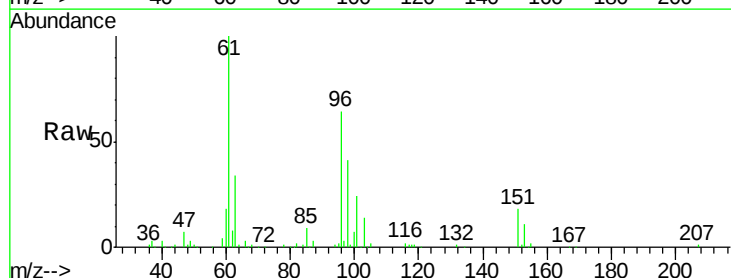
MMDadoda
3/16/2020 2:05:25 PM

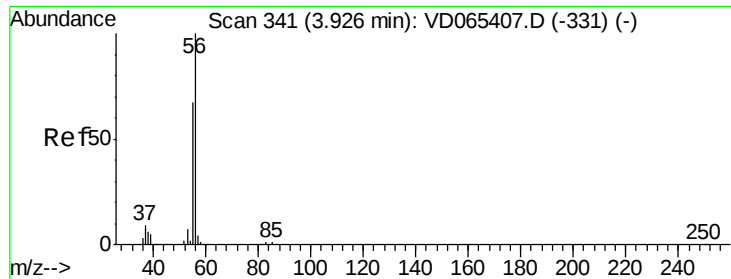


#12

1,1-Dichloroethene
Concen: 45.935 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	128.0	192.0
98	63.7	51.9	77.9





#13

Acrolein

Concen: 244.811 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 99657

Ion Ratio Lower Upper

56 100

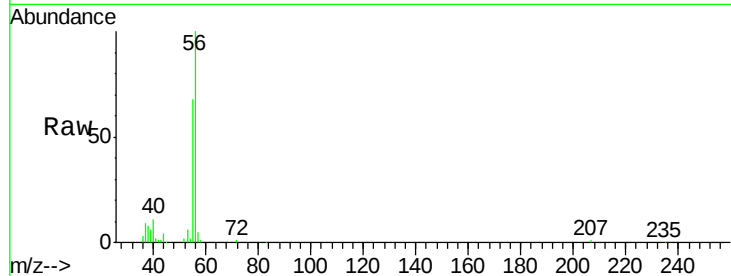
55 70.2 56.6 85.0

Manual Integrations

APPROVED

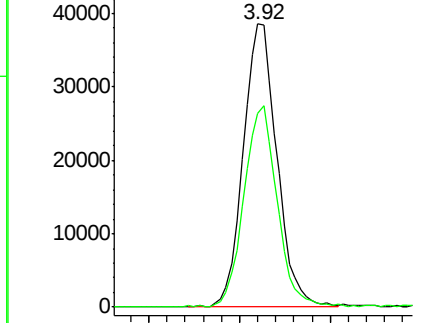
MMDadoda

3/16/2020 2:05:25 PM

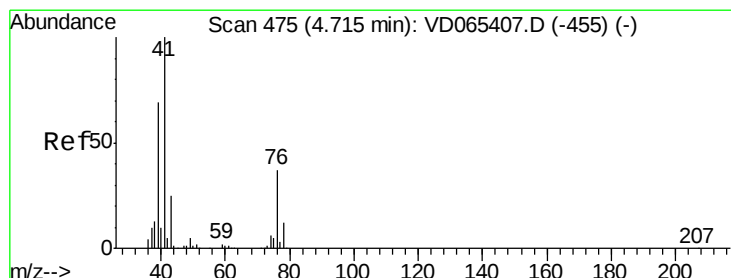
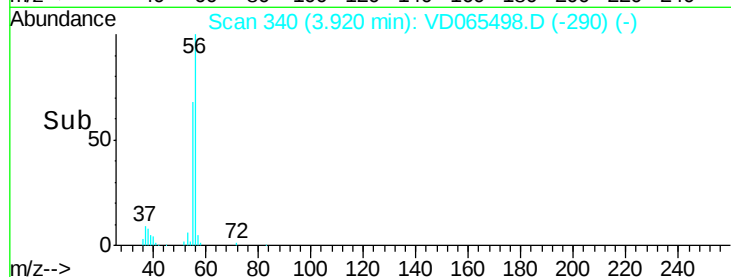


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 44.100 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

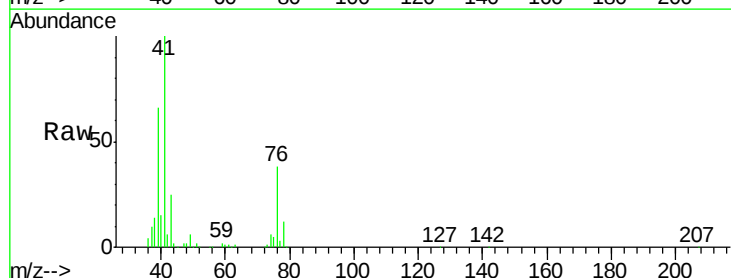
Tgt Ion: 41 Resp: 302244

Ion Ratio Lower Upper

41 100

39 65.4 52.6 79.0

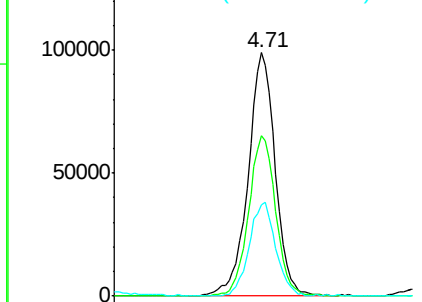
76 36.9 29.2 43.8



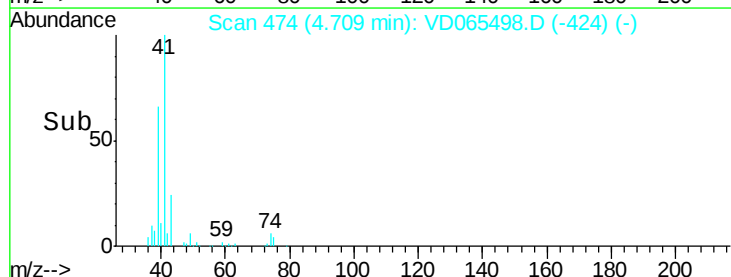
Abundance Ion 41.00 (40.70 to 41.70): VDC

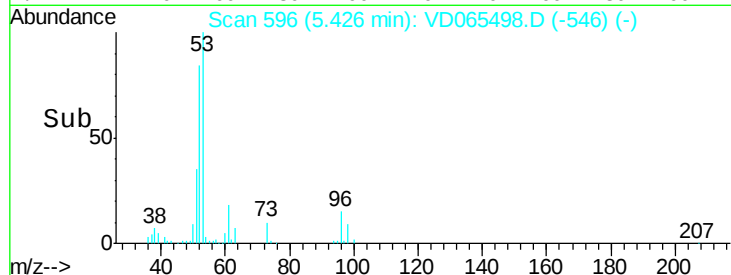
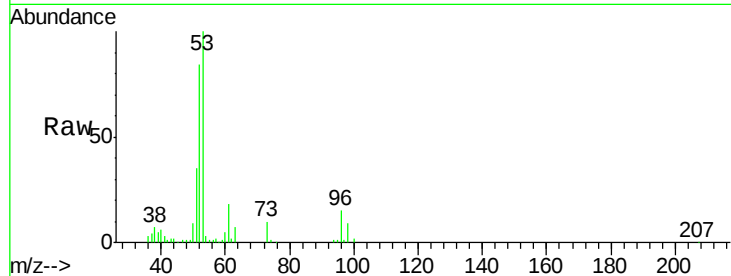
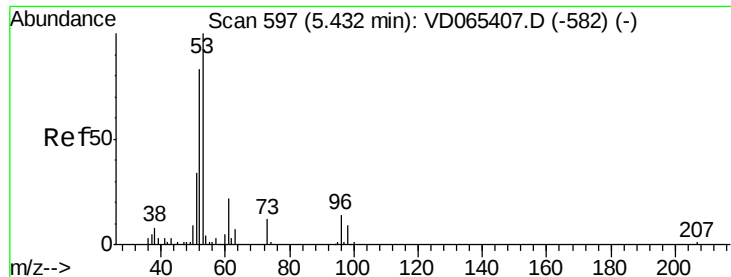
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time-->





#15

Acrylonitrile

Concen: 227.823 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065498.D

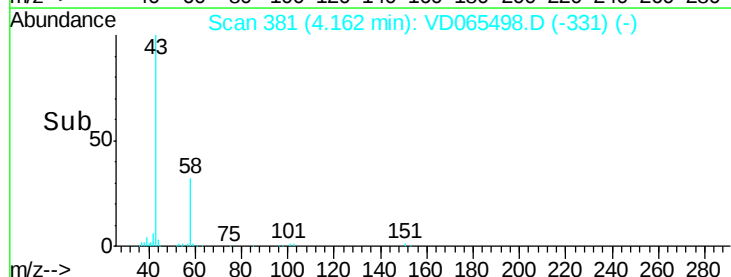
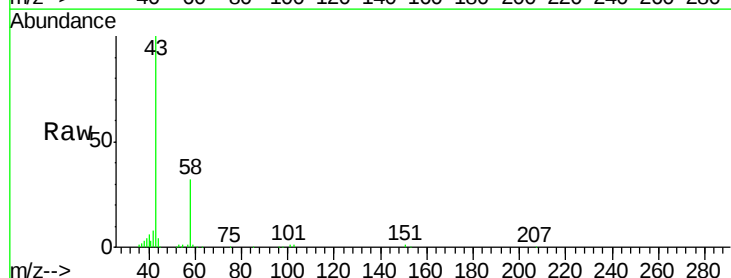
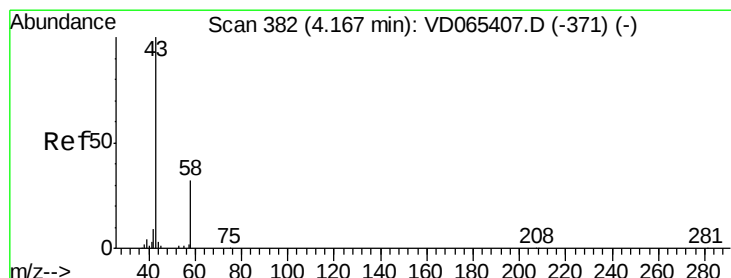
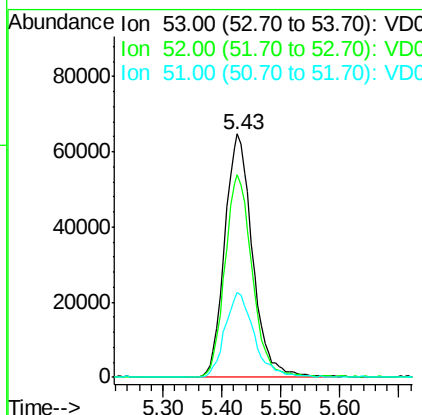
Acq: 13 Mar 2020 10:38

Tot Ion:	53	Resp:	213227
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.1	97.7
51	36.5	28.5	42.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
3/16/2020 2:05:25 PM



#16

Acetone

Concen: 276.621 ug/l

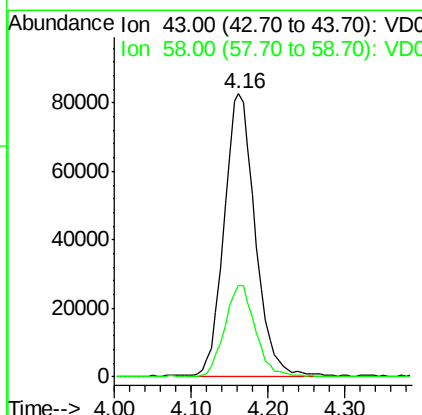
RT: 4.16 min Scan# 381

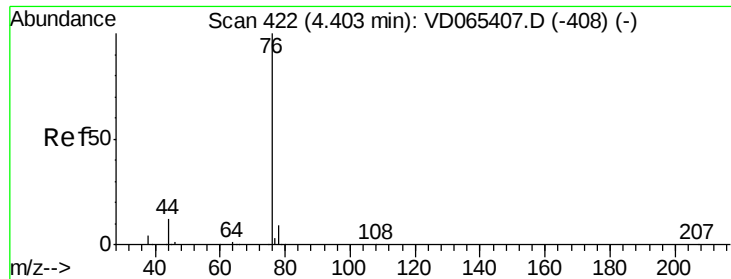
Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	43	Resp:	230214
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.1	37.7





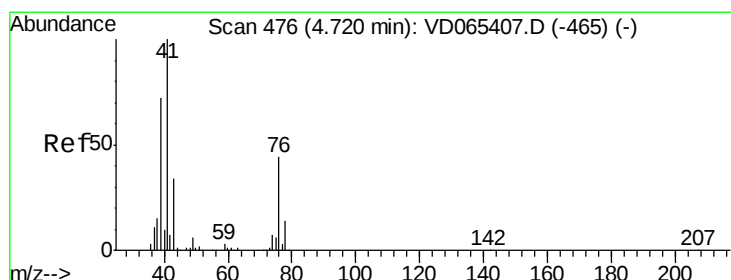
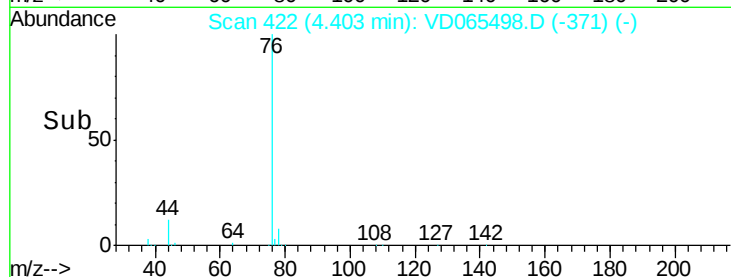
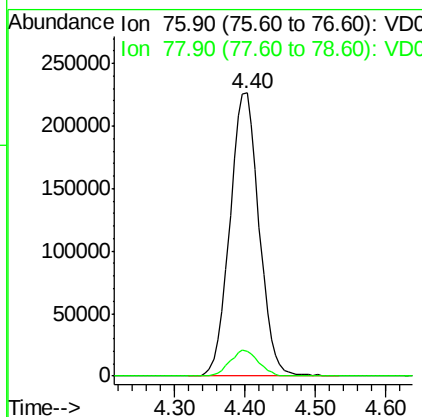
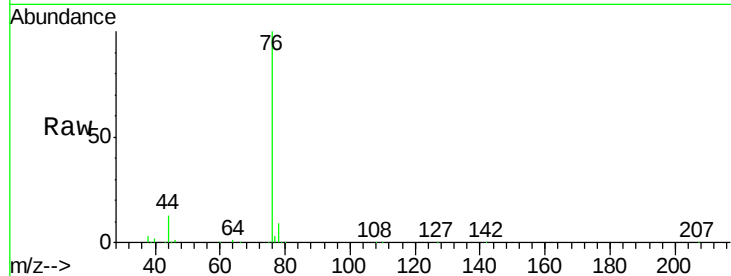
#17
Carbon Disulfide
Concen: 43.825 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

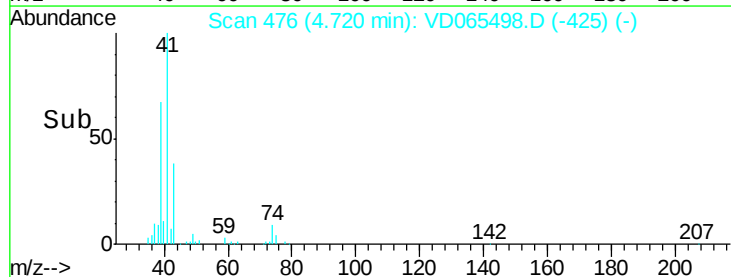
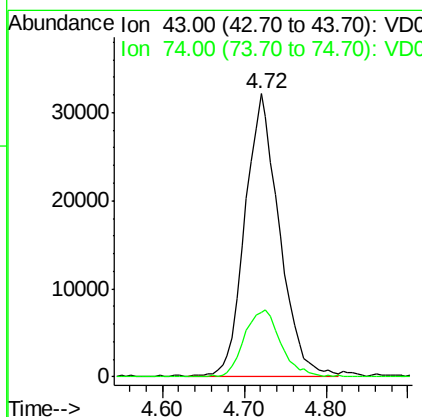
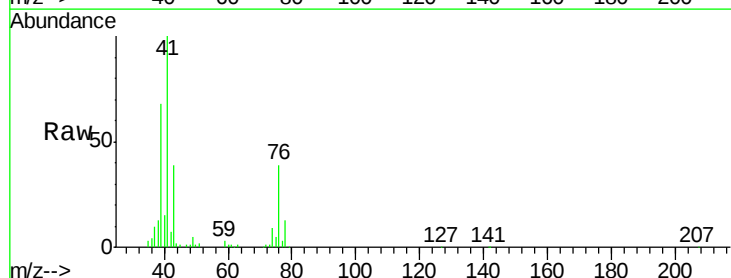
Manual Integrations
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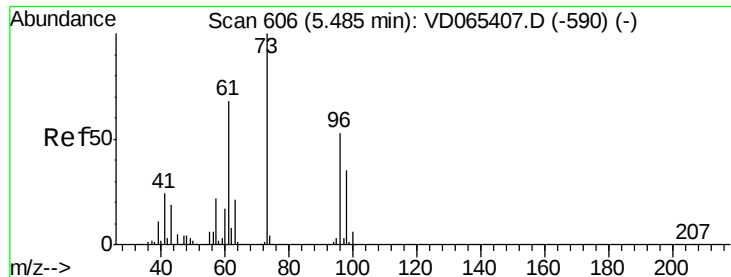
MMDadoda
3/16/2020 2:05:25 PM



#18
Methyl Acetate
Concen: 44.777 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.6	29.4





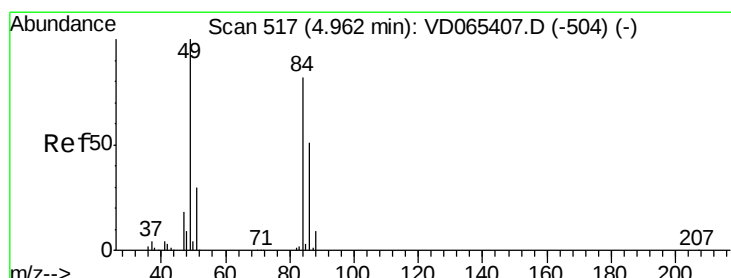
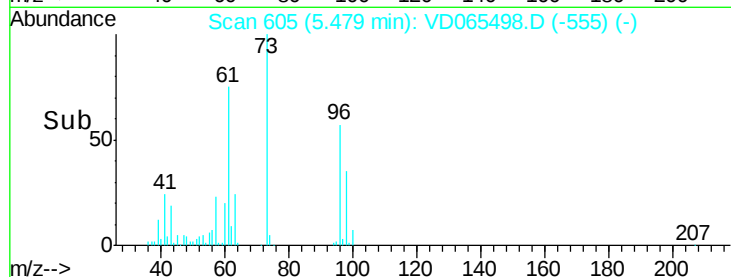
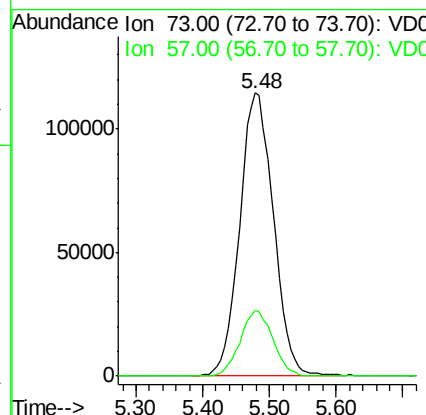
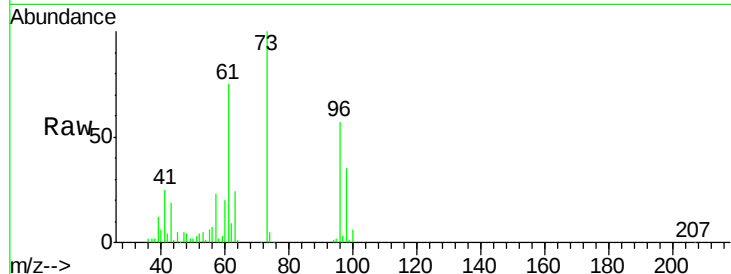
#19
Methvl tert-butvl Ether
Concen: 46.718 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 400824
Ion Ratio Lower Upper
73 100
57 23.2 17.3 25.9

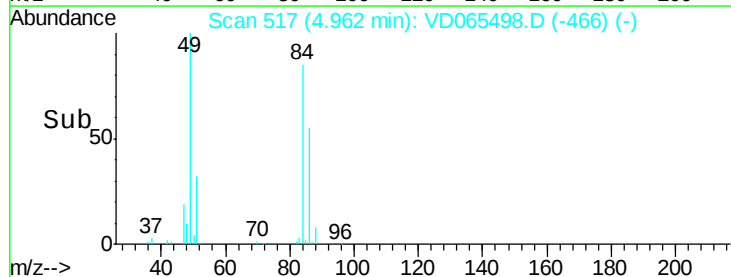
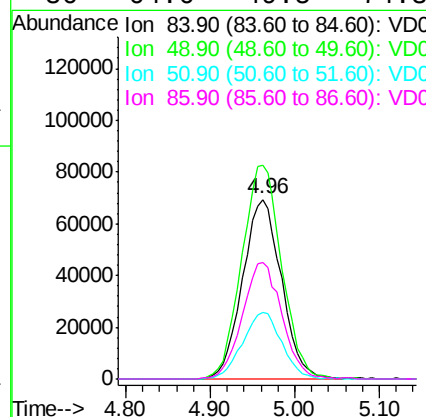
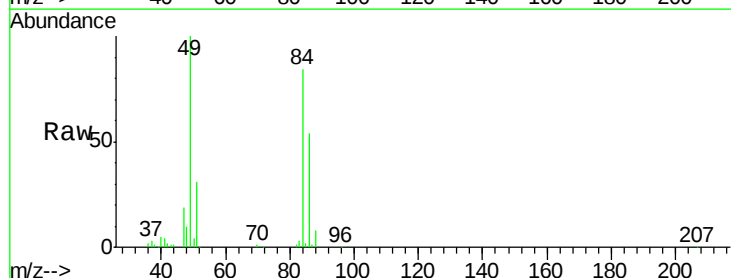
Manual Integrations
APPROVED

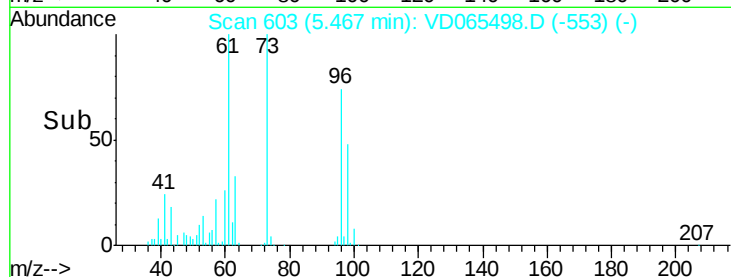
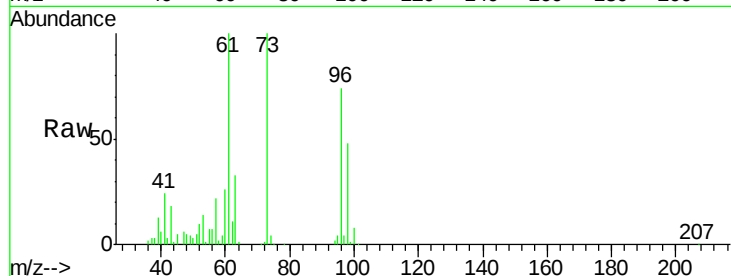
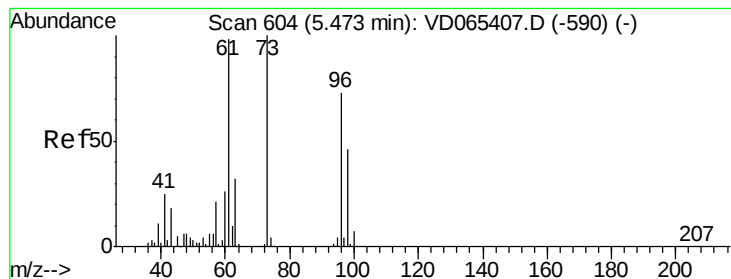
MMDadoda
3/16/2020 2:05:25 PM



#20
Methylene Chloride
Concen: 48.983 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion: 84 Resp: 221696
Ion Ratio Lower Upper
84 100
49 119.1 97.7 146.5
51 37.4 28.8 43.2
86 64.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 47.003 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tot Ion:	96	Resp:	233276
Ion	Ratio	Lower	Upper
96	100		
61	134.8	106.3	159.5
98	65.4	50.2	75.4

Instrument :

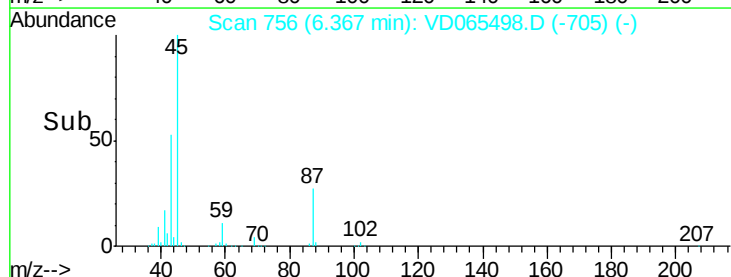
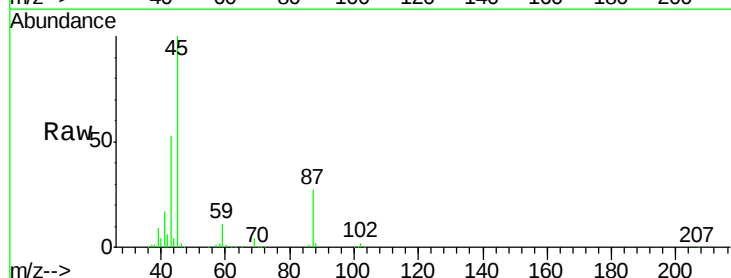
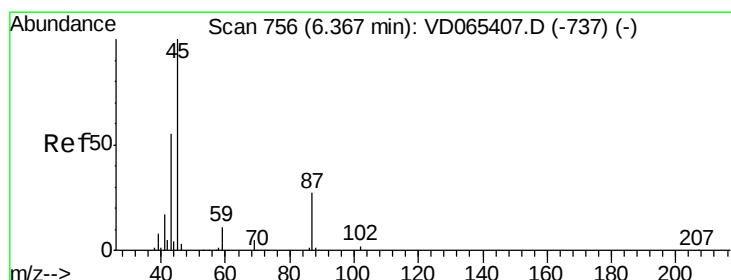
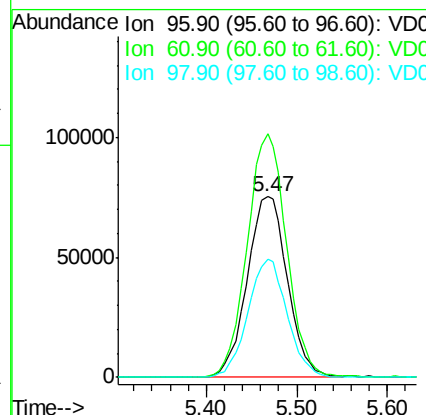
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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MMDadoda
3/16/2020 2:05:25 PM



#22

Diisopropyl ether

Concen: 48.566 ug/l

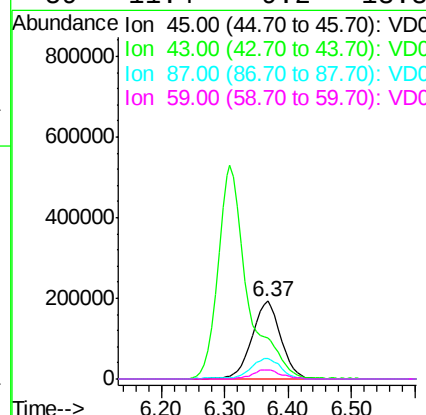
RT: 6.37 min Scan# 756

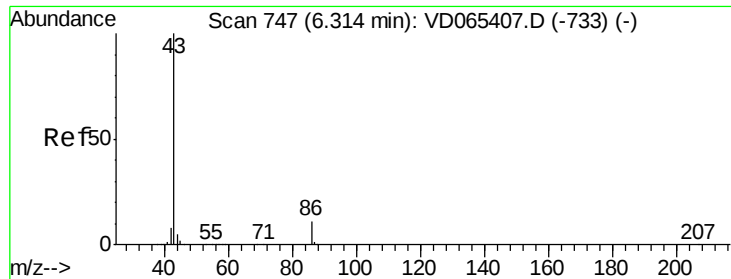
Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	45	Resp:	618756
Ion	Ratio	Lower	Upper
45	100		
43	52.4	44.4	66.6
87	26.7	21.9	32.9
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 243.982 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1725973

Ion Ratio Lower Upper

43 100

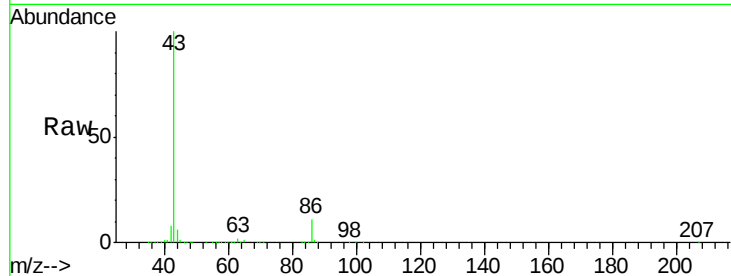
86 11.2 8.9 13.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

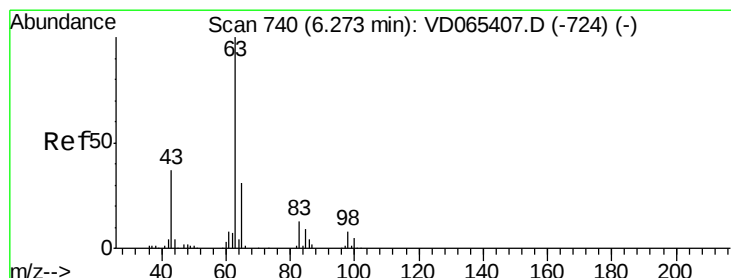
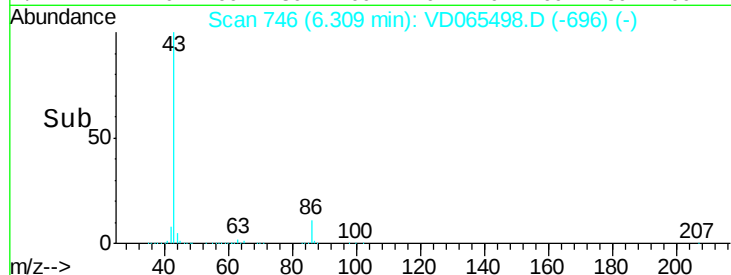
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.915 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

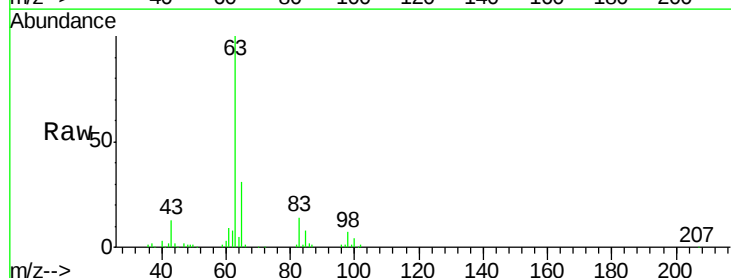
Tgt Ion: 63 Resp: 383386

Ion Ratio Lower Upper

63 100

98 7.2 4.2 12.6

100 3.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

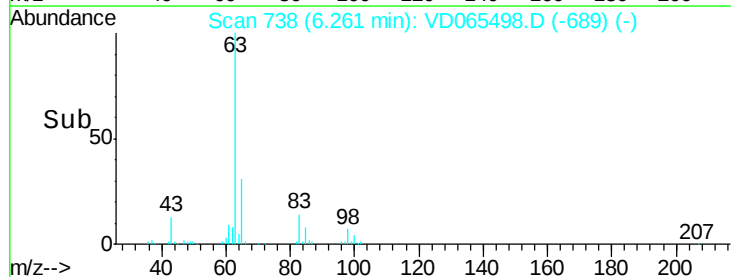
150000

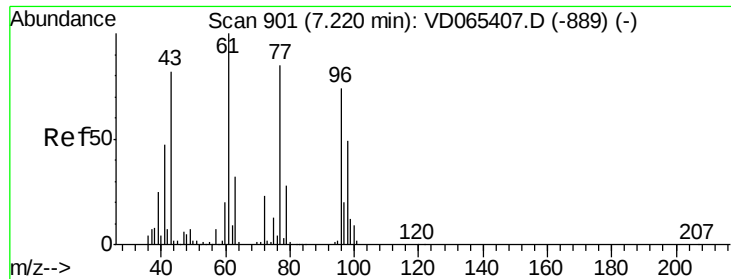
100000

50000

0

Time-->





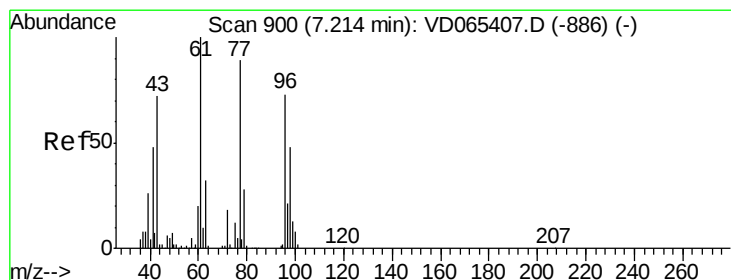
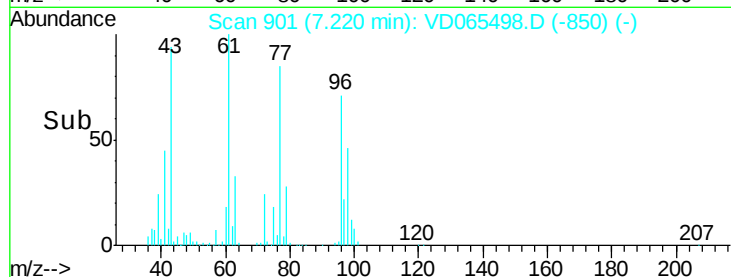
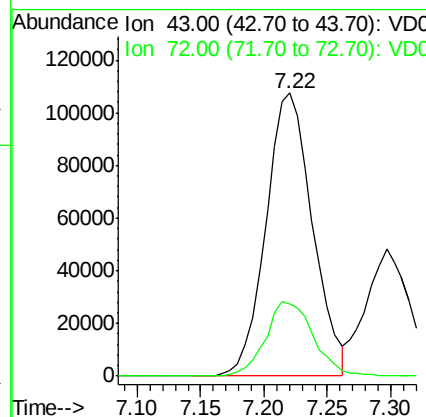
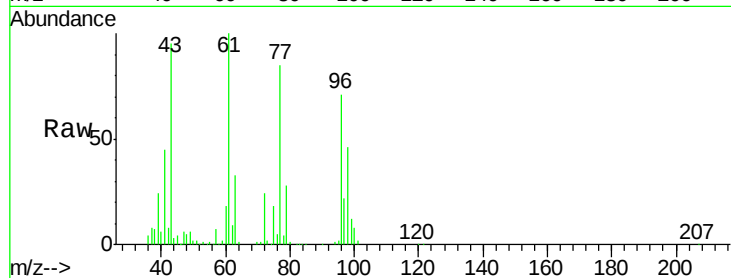
#25
2-Butanone
Concen: 242.042 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	274890
Ion Ratio	Lower	Upper	
43	100		
72	25.7	22.3	33.5

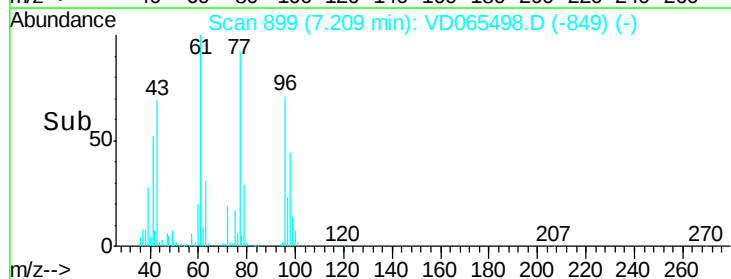
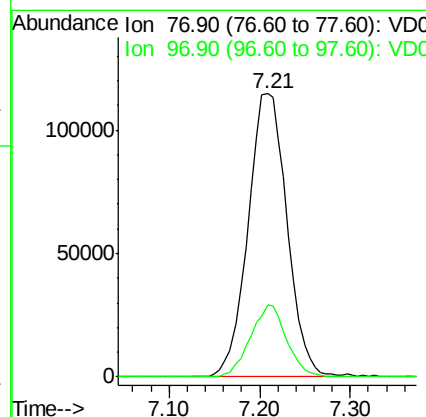
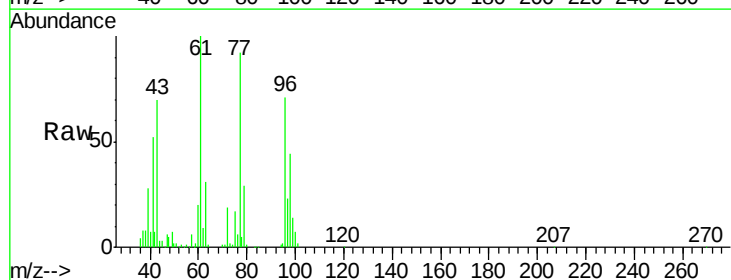
Manual Integrations
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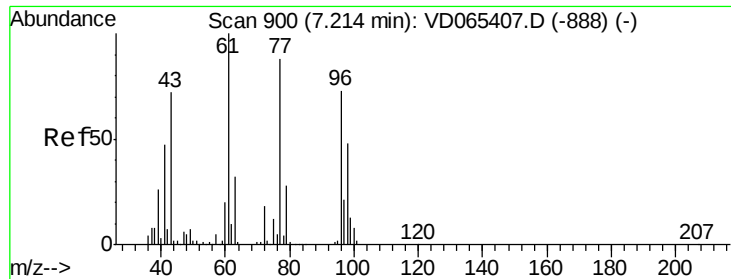
MMDadoda
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#26
2,2-Dichloropropane
Concen: 48.163 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	77	Resp	343949
Ion Ratio	Lower	Upper	
77	100		
97	23.7	11.8	35.4





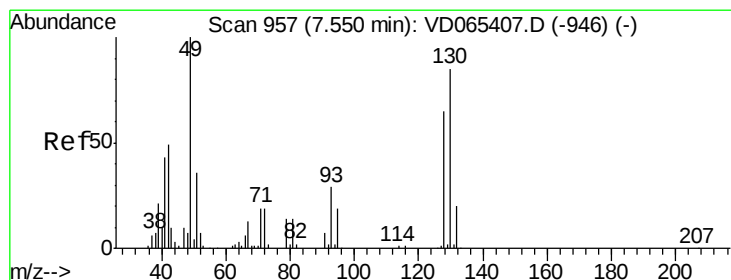
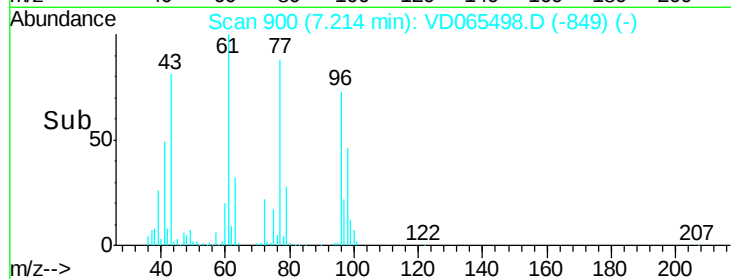
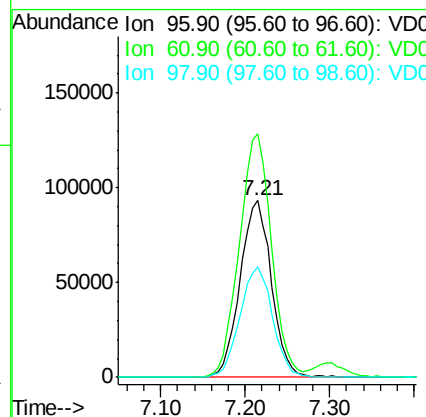
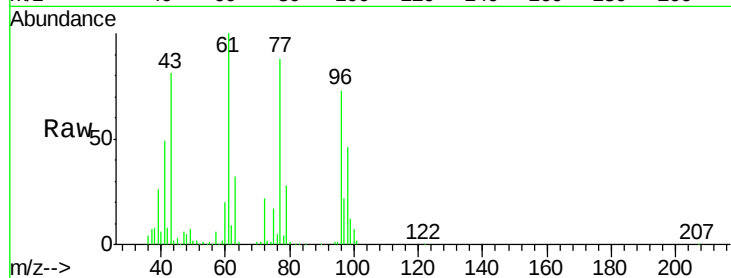
#27
 cis-1,2-Dichloroethene
 Concen: 47.519 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	241060		
61	140.6	0.0	280.4	
98	64.7	0.0	132.6	

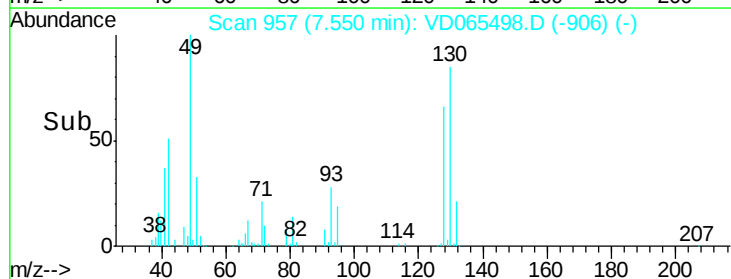
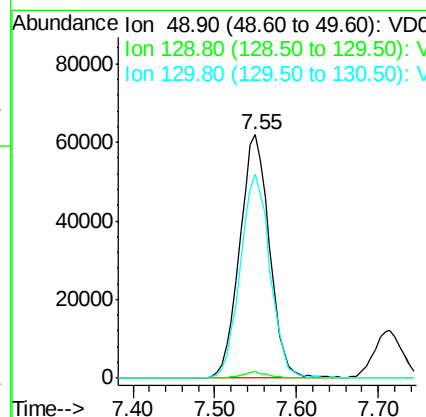
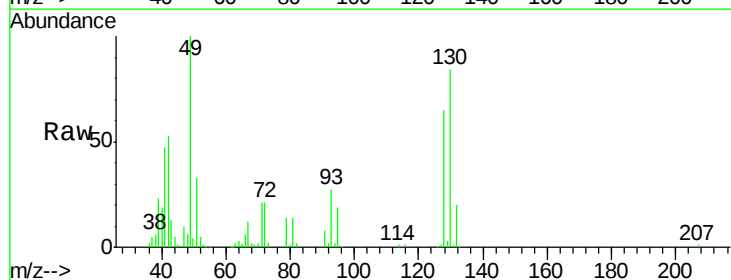
Manual Integrations
 APPROVED

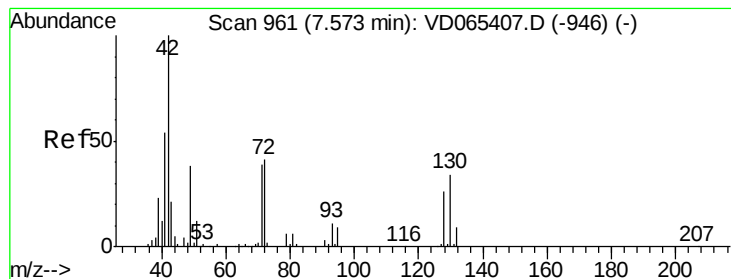
MMDadoda
 3/16/2020 2:05:25 PM



#28
 Bromochloromethane
 Concen: 48.010 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	156969		
129	2.3	0.0	4.6	
130	83.7	66.6	100.0	





#29

Tetrahydrofuran

Concen: 229.792 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

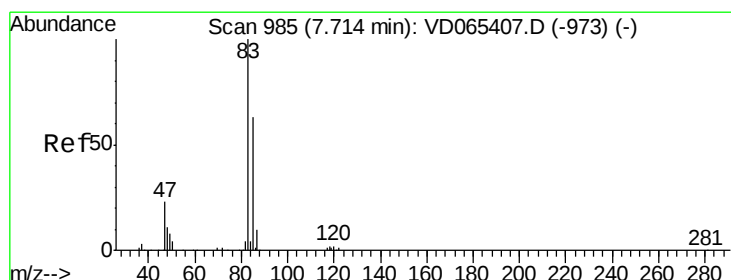
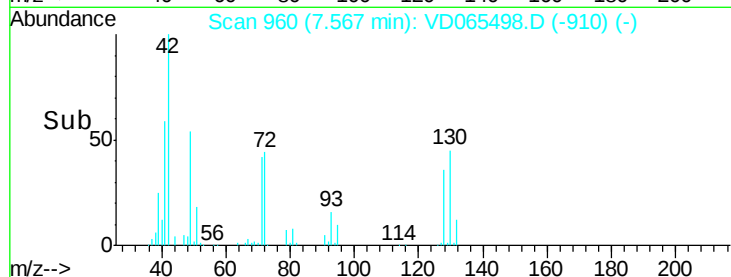
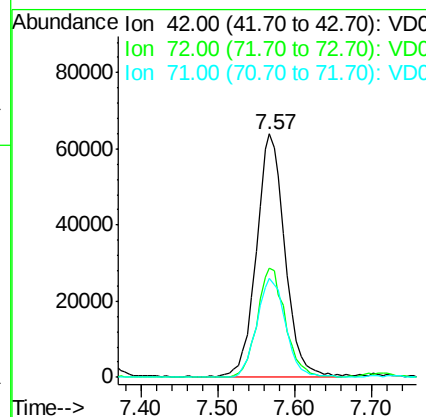
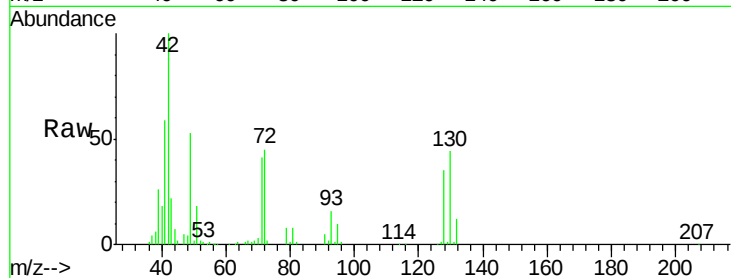
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	166663
Ion Ratio		Lower	Upper
42	100		
72	44.3	33.0	49.6
71	41.0	32.0	48.0

Manual Integrations
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#30

Chloroform

Concen: 48.319 ug/l

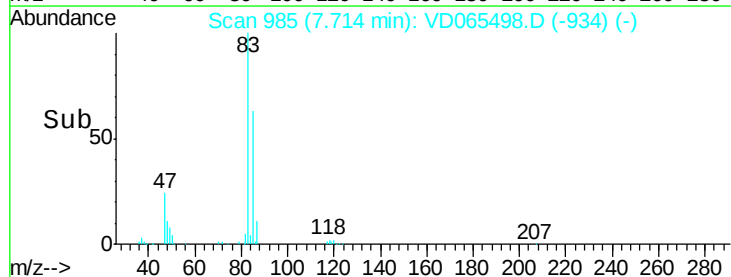
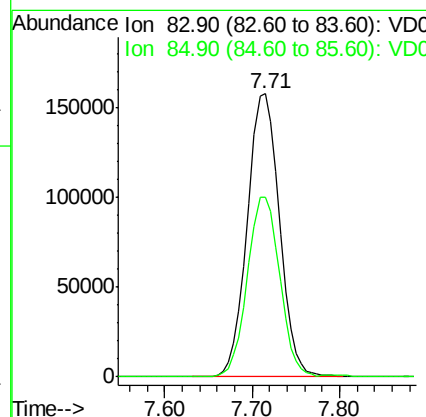
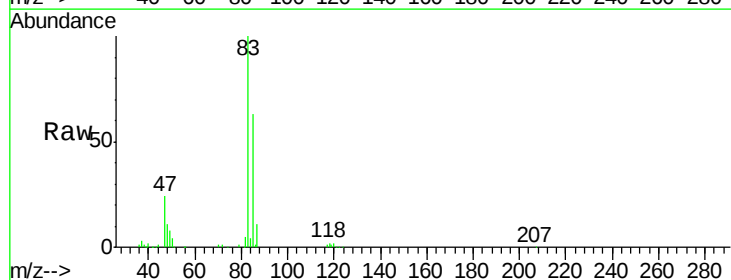
RT: 7.71 min Scan# 985

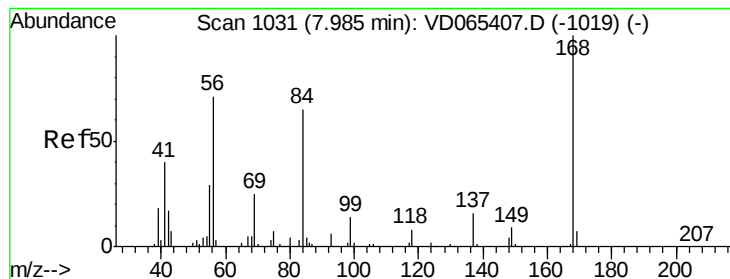
Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	83	Resp:	394672
Ion Ratio		Lower	Upper
83	100		
85	63.3	50.3	75.5





#31

Cyclohexane

Concen: 44.825 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

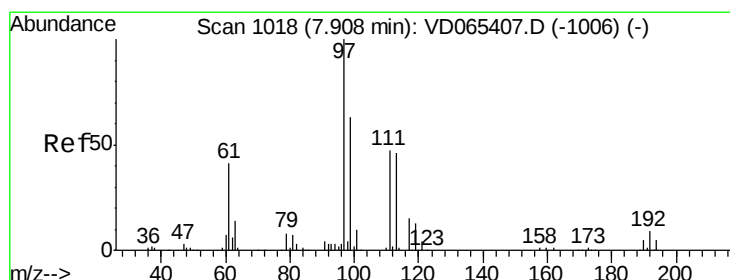
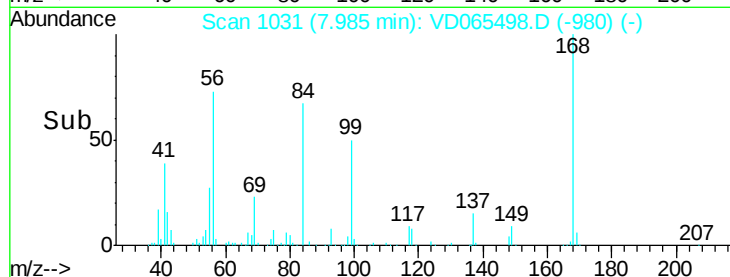
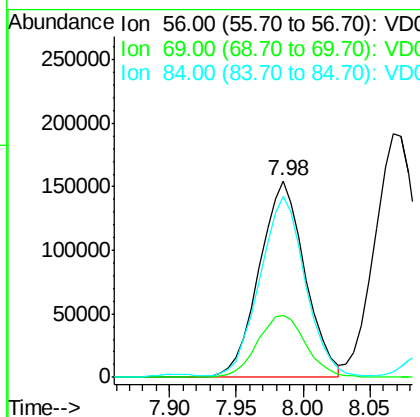
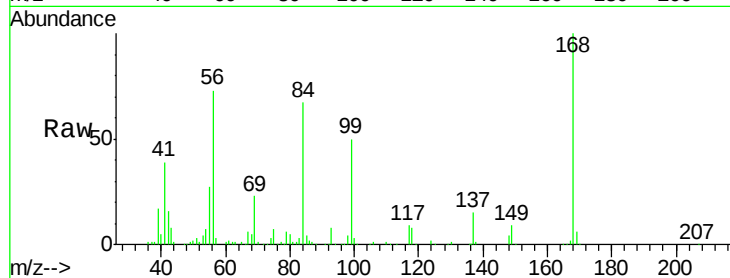
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	366287
Ion Ratio	Lower	Upper	
56	100		
69	31.6	28.3	42.5
84	90.5	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.599 ug/l

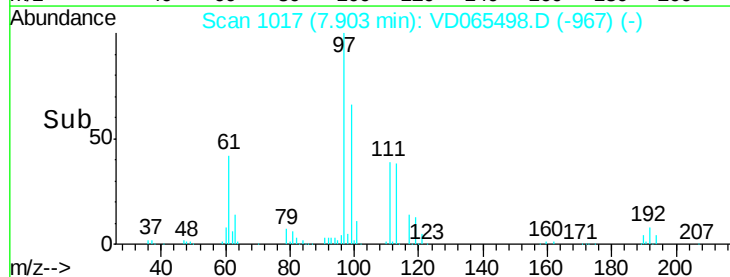
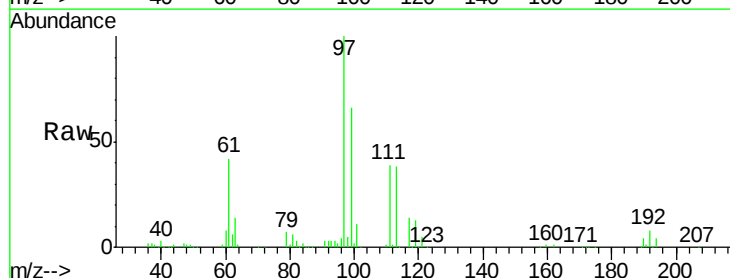
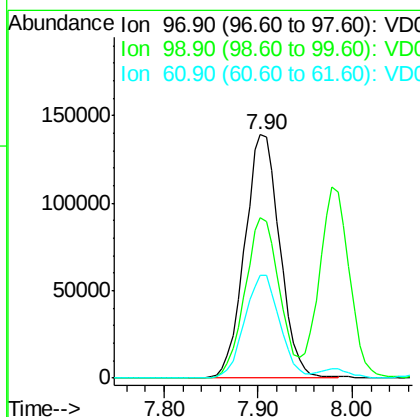
RT: 7.90 min Scan# 1017

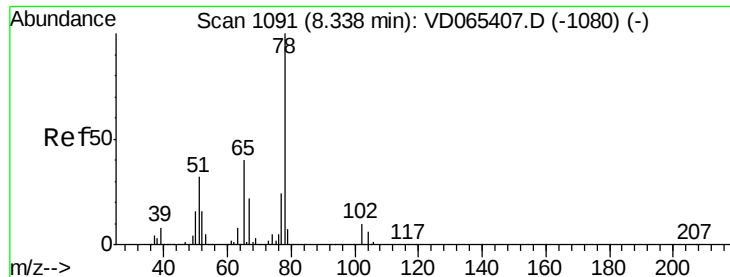
Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	97	Resp:	359293
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.9	76.3
61	42.4	33.2	49.8





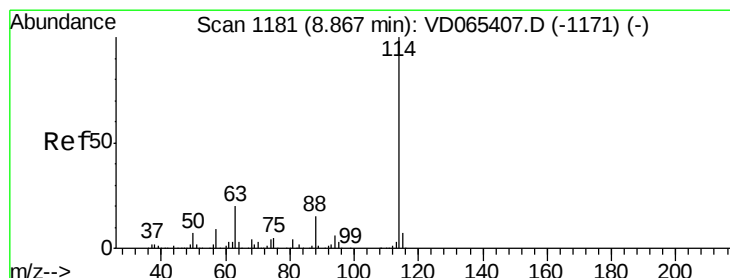
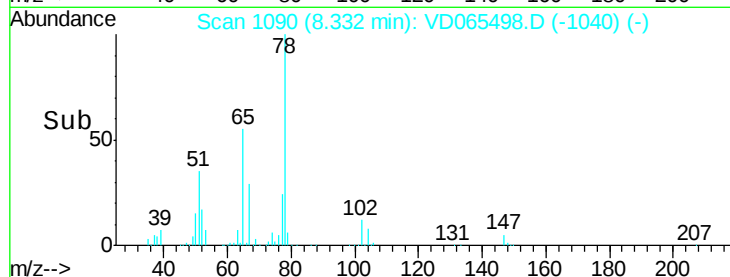
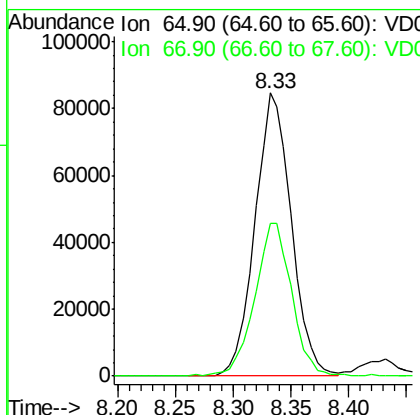
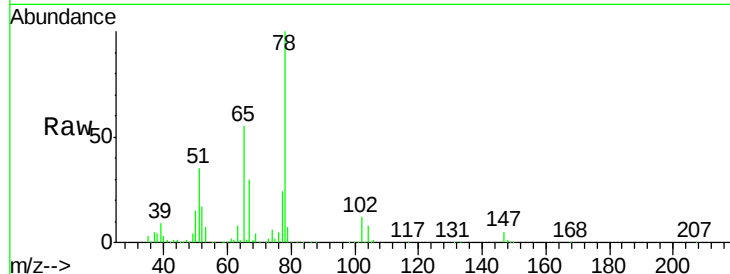
#33
 1,2-Dichloroethane-d4
 Concen: 45.081 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185511		
67	55.2	0.0	108.0	

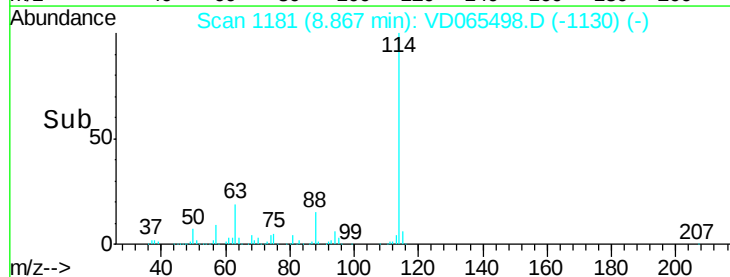
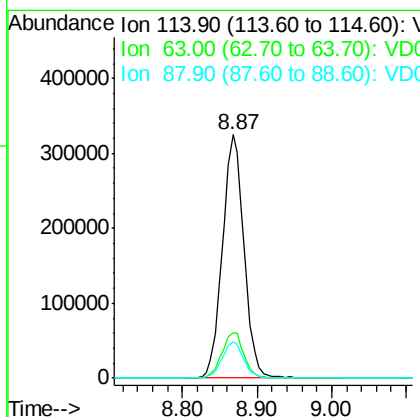
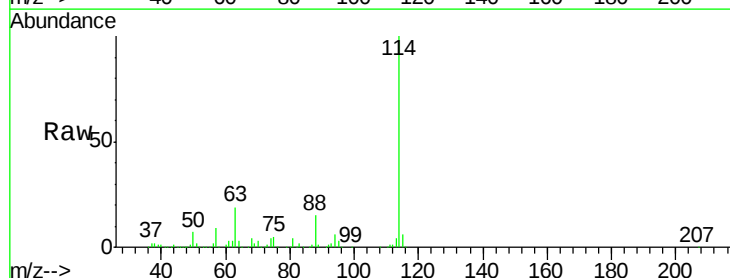
Manual Integrations
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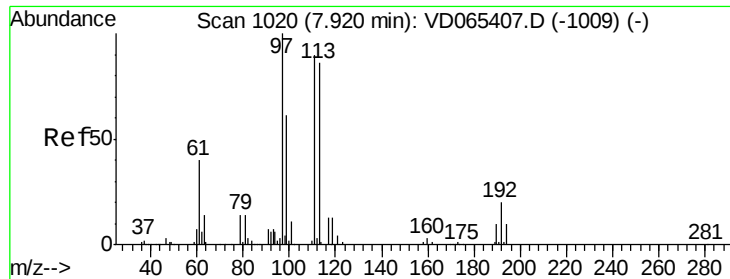
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	653028		
63	18.5	0.0	39.6	
88	15.1	0.0	30.4	





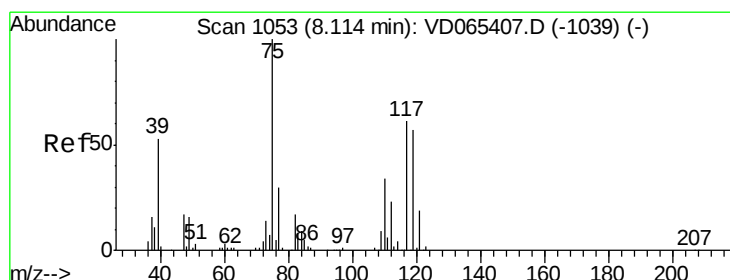
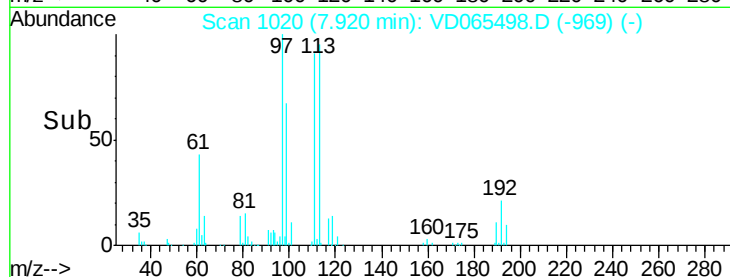
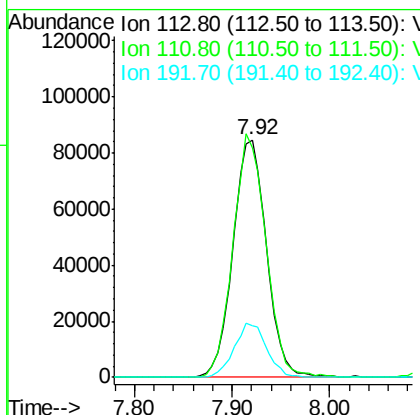
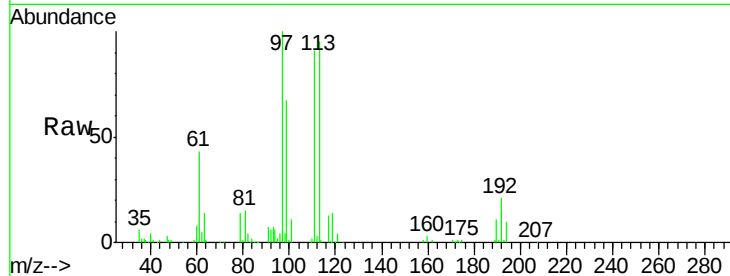
#35
 Dibromofluoromethane
 Concen: 50.271 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.1	123.1
192	21.9	17.2	25.8

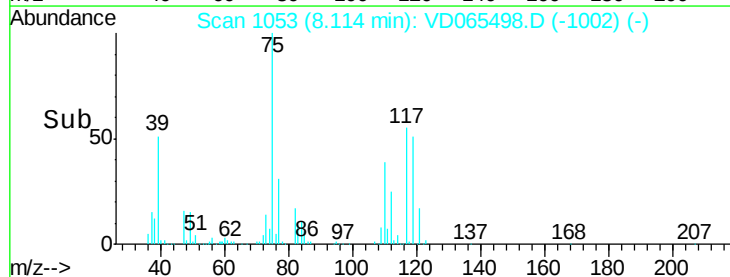
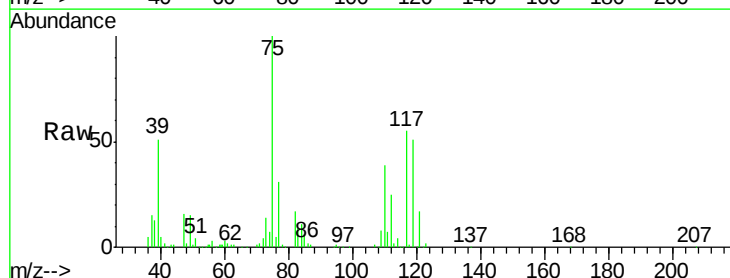
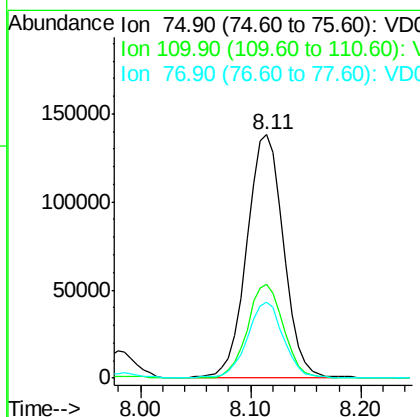
Manual Integrations
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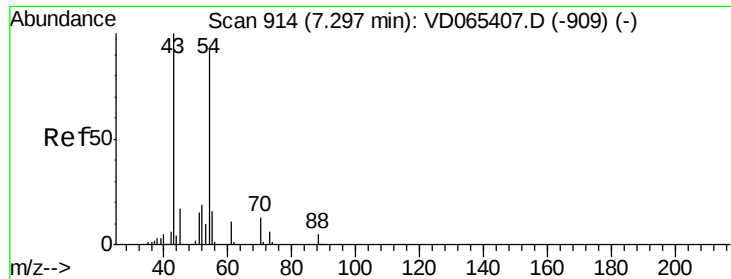
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#36
 1,1-Dichloropropene
 Concen: 51.407 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.1	54.1
77	31.1	25.2	37.8





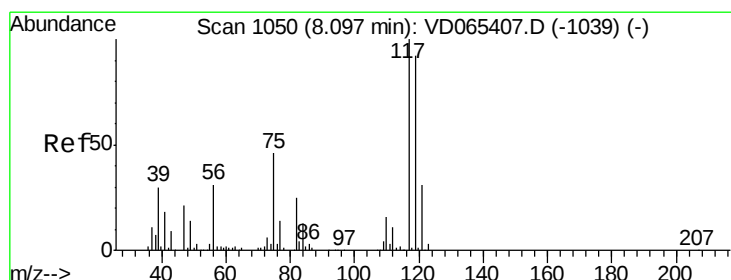
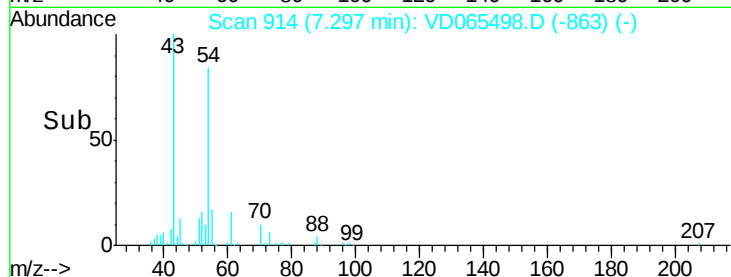
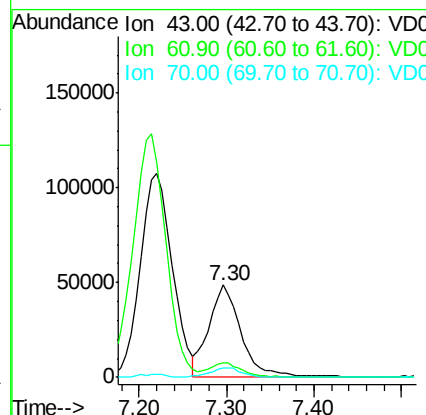
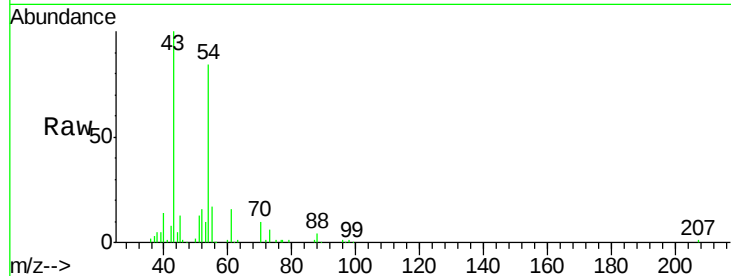
#37
Ethyl Acetate
Concen: 50.974 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.4	17.0
70	10.3	9.0	13.4

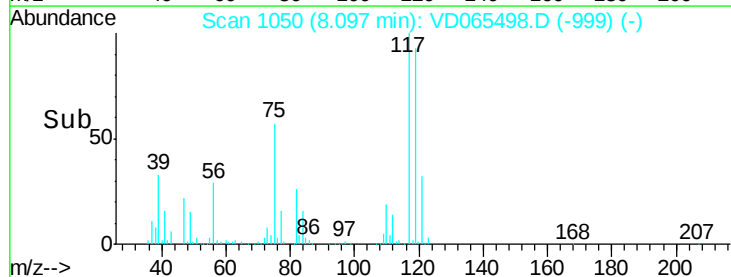
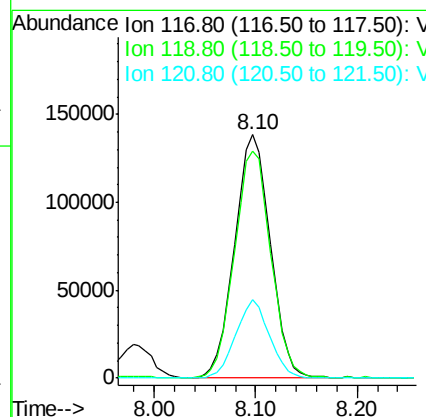
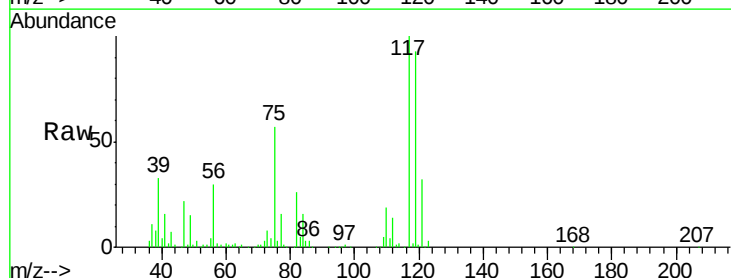
Manual Integrations
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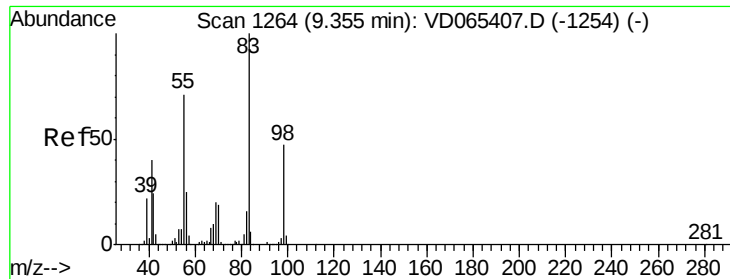
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#38
Carbon Tetrachloride
Concen: 52.093 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.3	109.9
121	32.2	25.0	37.4





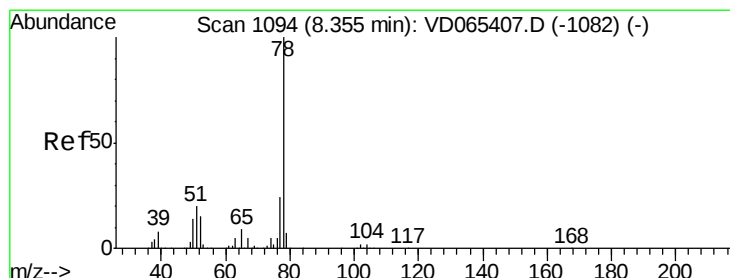
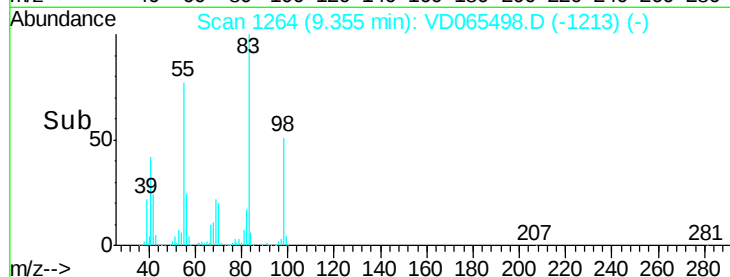
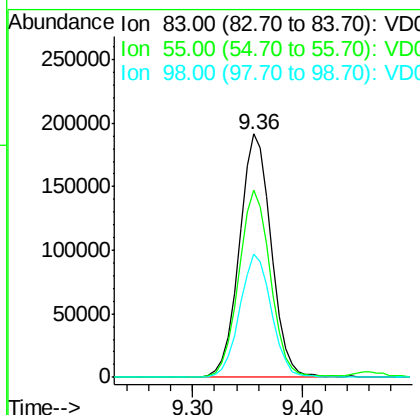
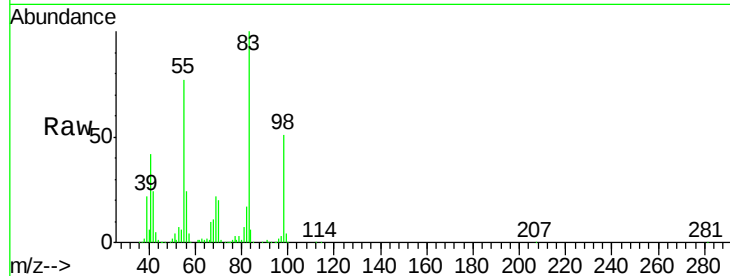
#39
Methvlcvclohexane
Concen: 51.369 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	388371
Ion Ratio	Lower	Upper	
83	100		
55	77.2	57.1	85.7
98	50.7	37.8	56.8

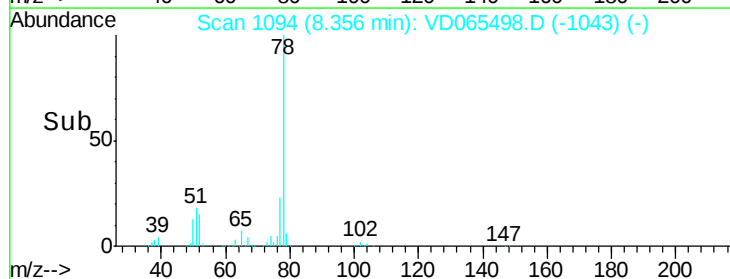
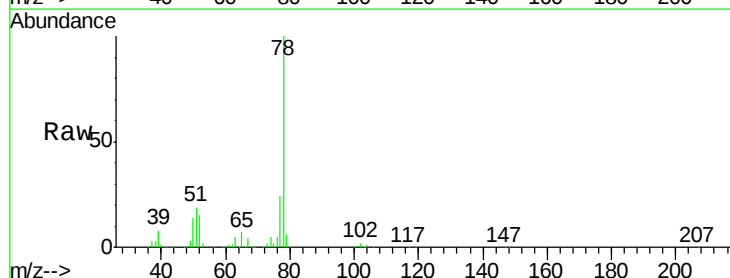
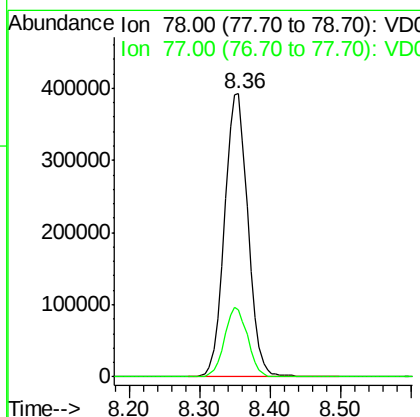
Manual Integrations
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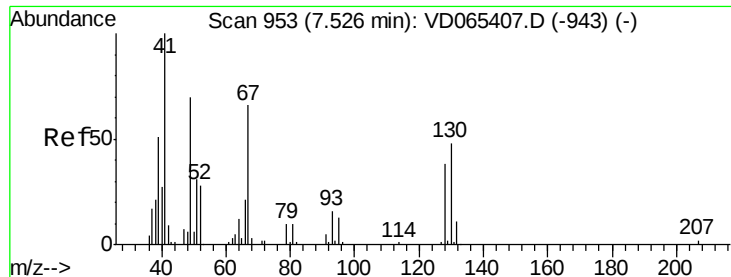
MMDadoda
3/16/2020 2:05:25 PM



#40
Benzene
Concen: 51.617 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	78	Resp	903385
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.4	29.0





#41

Methacrylonitrile

Concen: 45.986 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 58841

Ion Ratio Lower Upper

41 100

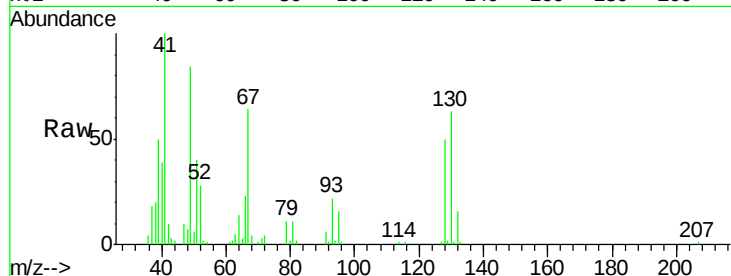
39 72.1 55.0 82.6

67 81.8 70.3 105.5

52 36.7 30.7 46.1

Manual Integrations
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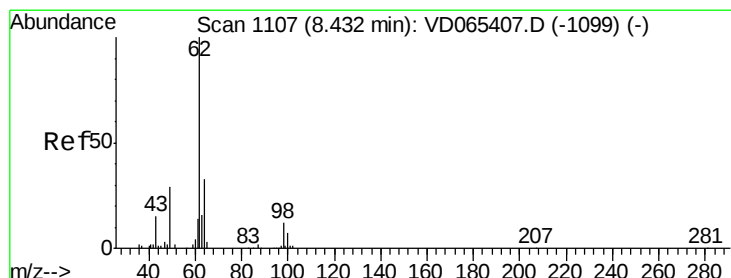
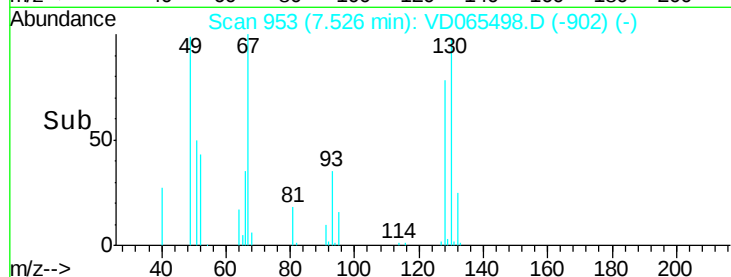
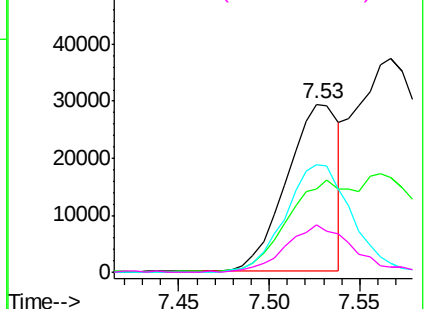


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.184 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD065498.D

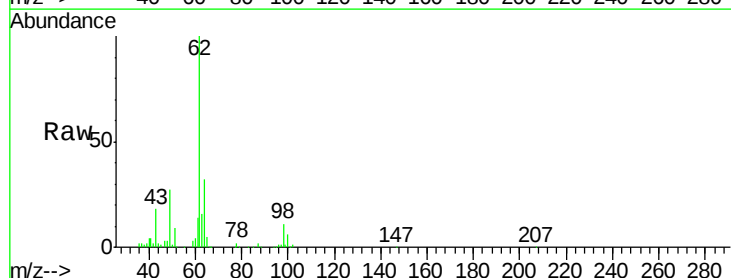
Acq: 13 Mar 2020 10:38

Tgt Ion: 62 Resp: 233921

Ion Ratio Lower Upper

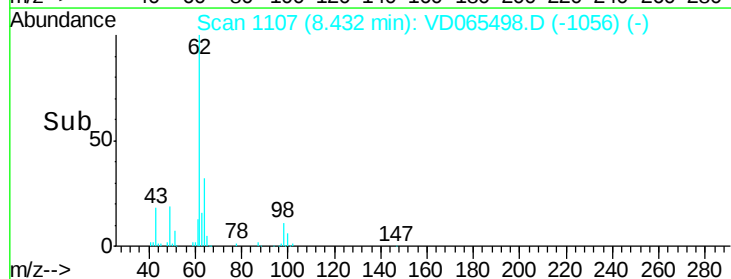
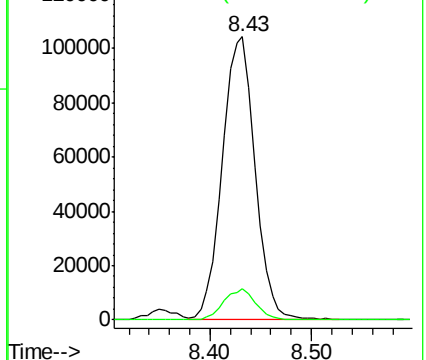
62 100

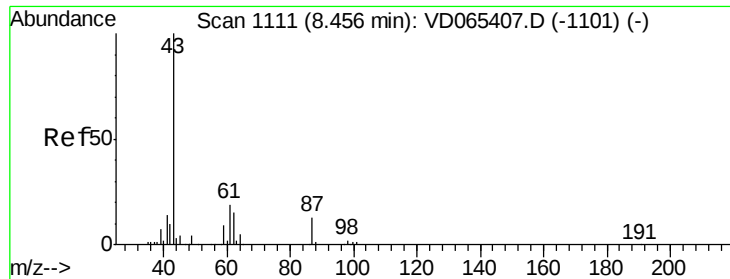
98 10.6 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





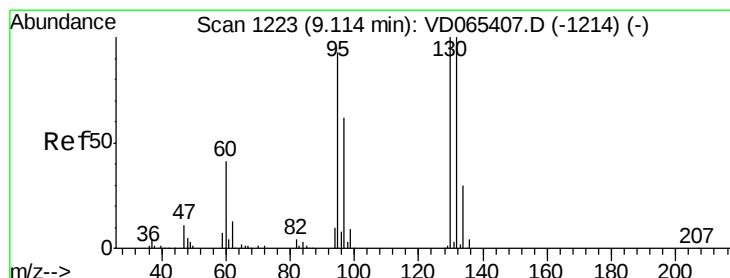
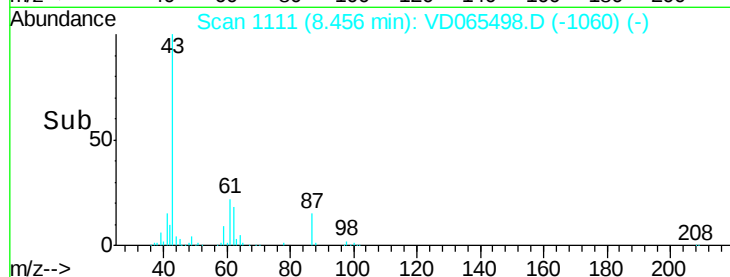
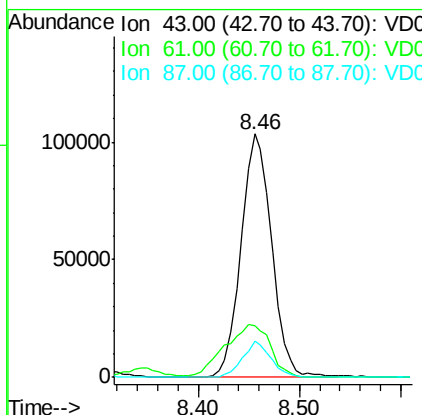
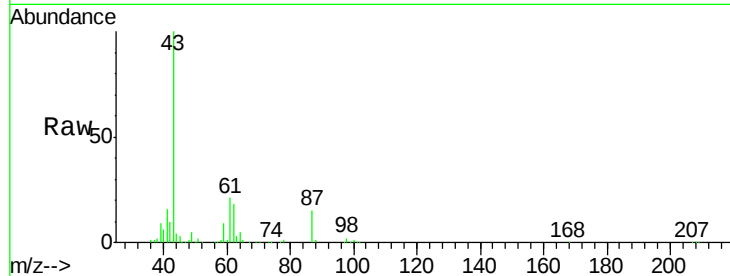
#43
Isopropyl Acetate
Concen: 48.520 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	13.8	11.0	16.4

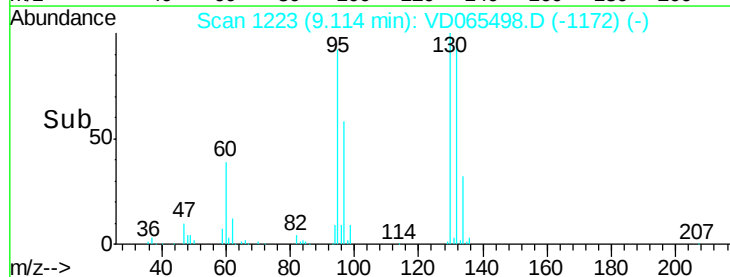
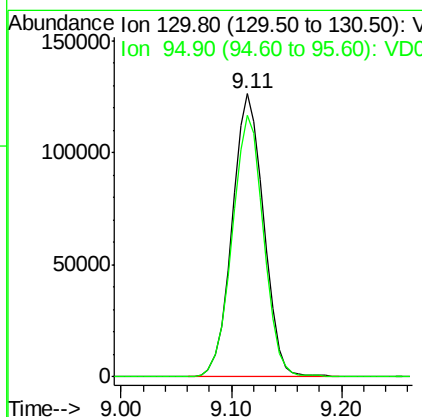
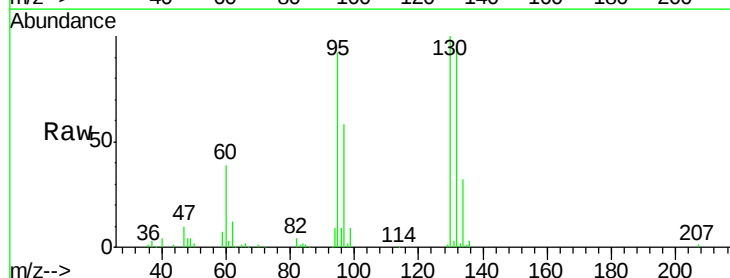
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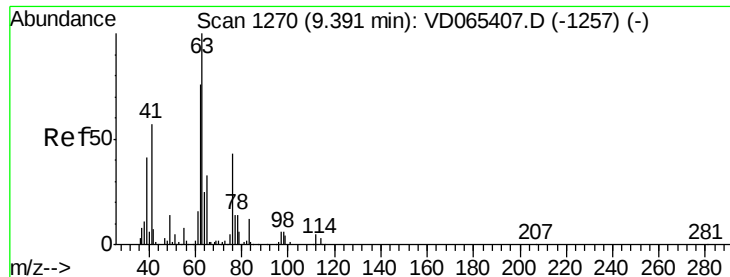
MMDadoda
3/16/2020 2:05:25 PM



#44
Trichloroethene
Concen: 51.338 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	186.0





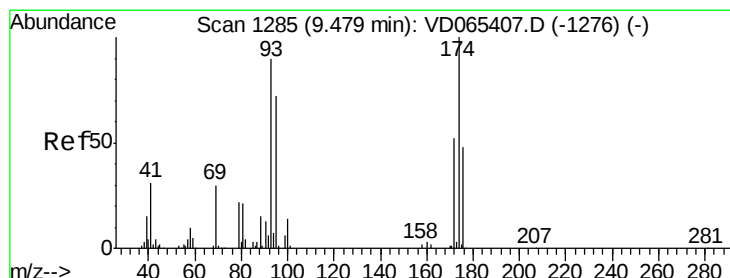
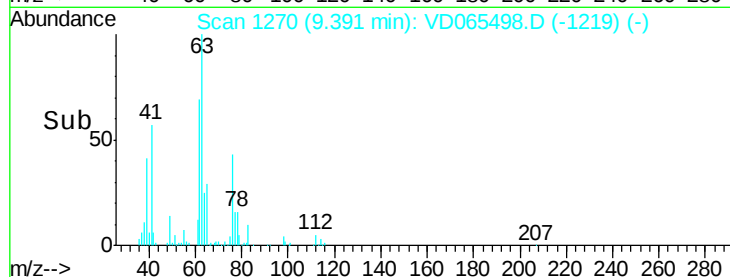
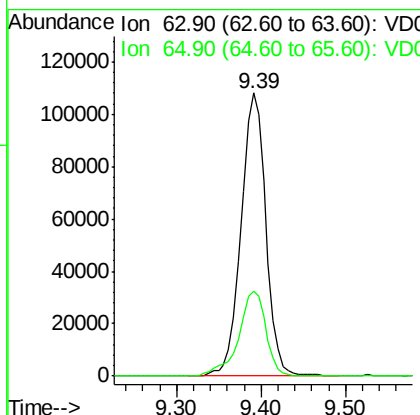
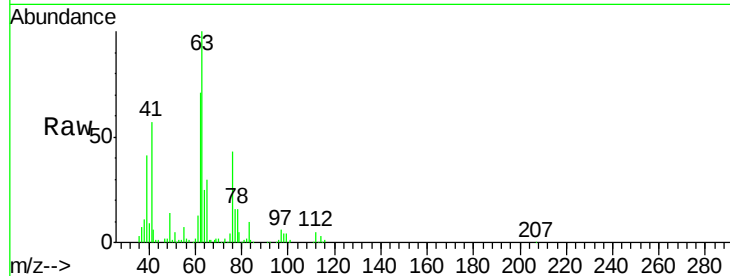
#45
 1,2-Dichloropropane
 Concen: 51.822 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	26.4	39.6

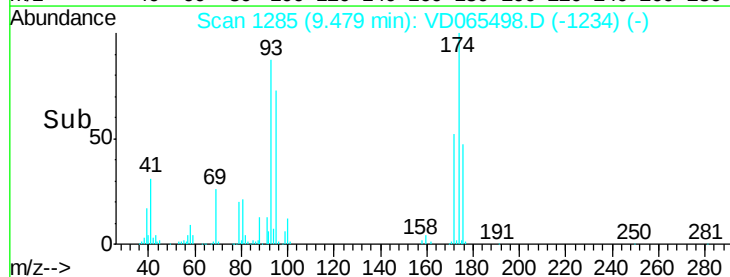
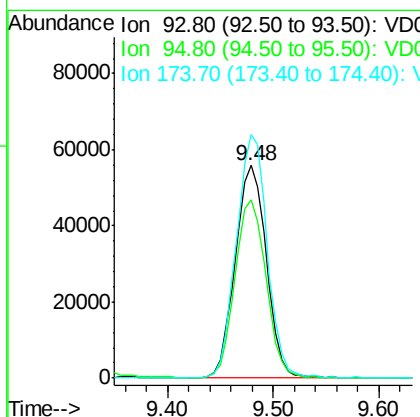
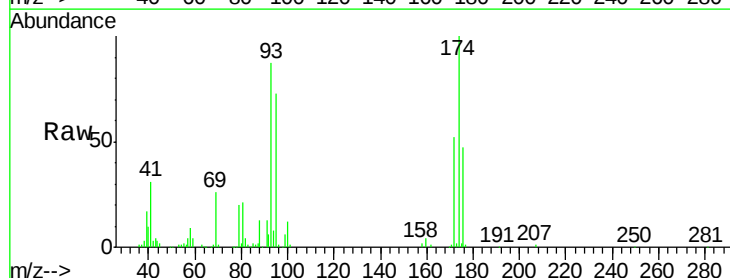
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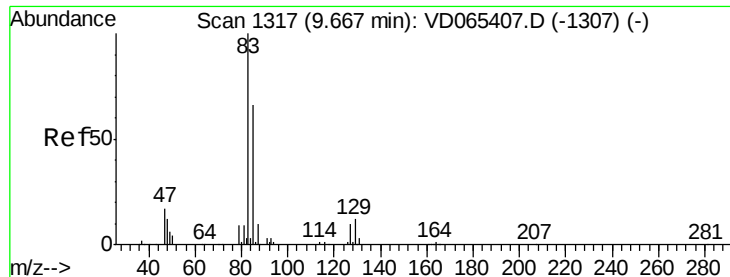
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#46
 Dibromomethane
 Concen: 52.052 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	113.3	88.3	132.5





#47

Bromodichloromethane

Concen: 52.721 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

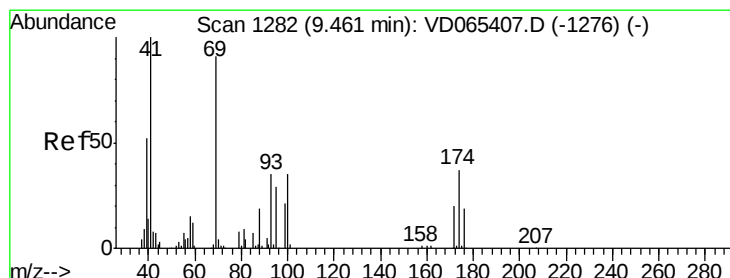
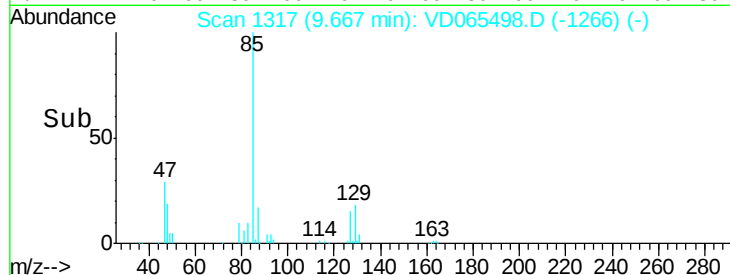
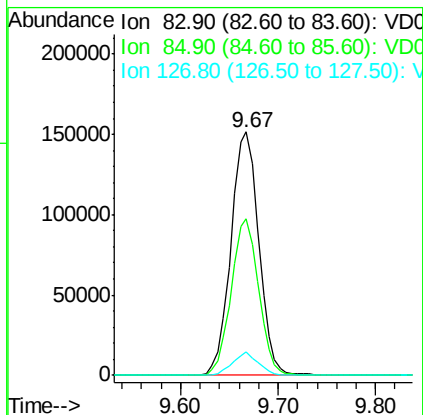
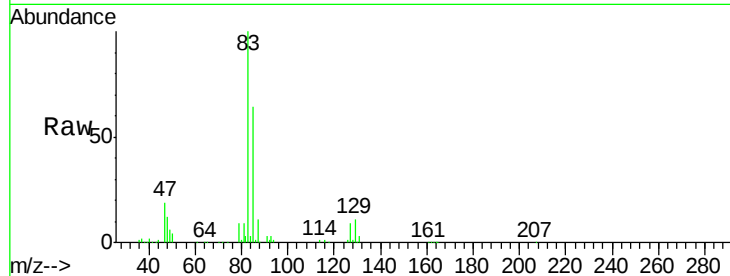
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	301618
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.8	79.2
127	9.4	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.888 ug/l

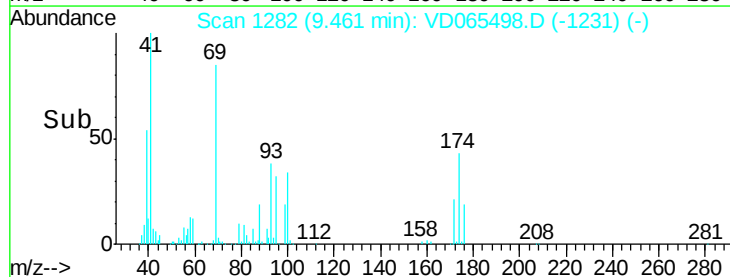
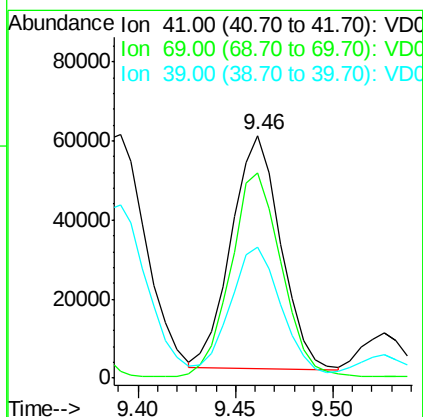
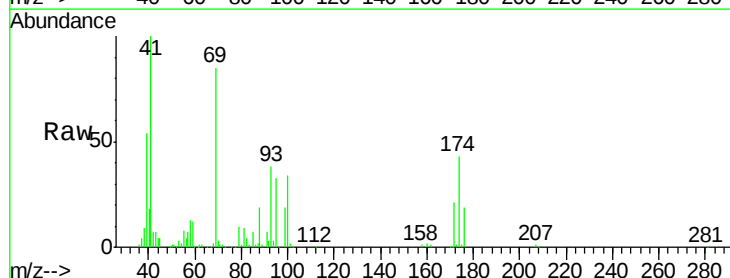
RT: 9.46 min Scan# 1282

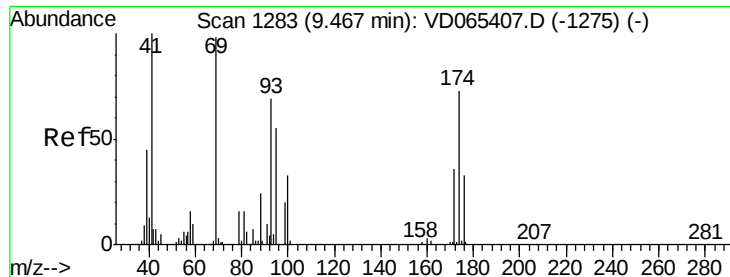
Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	41	Resp:	102733
Ion	Ratio	Lower	Upper
41	100		
69	91.1	72.5	108.7
39	54.9	41.6	62.4





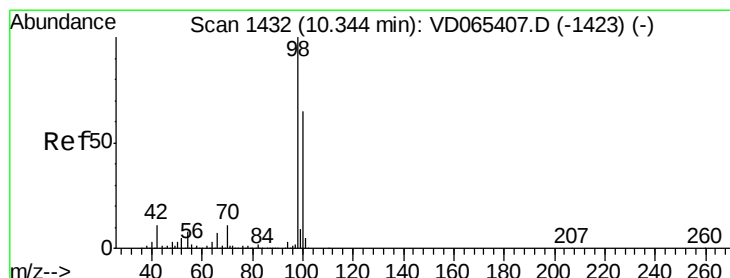
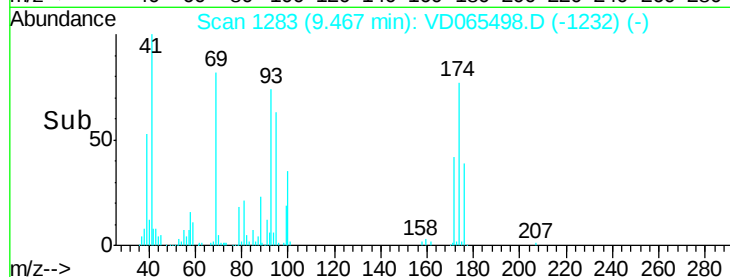
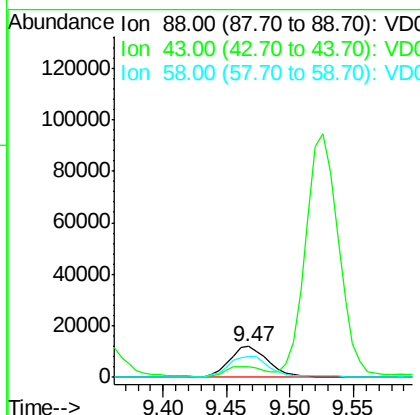
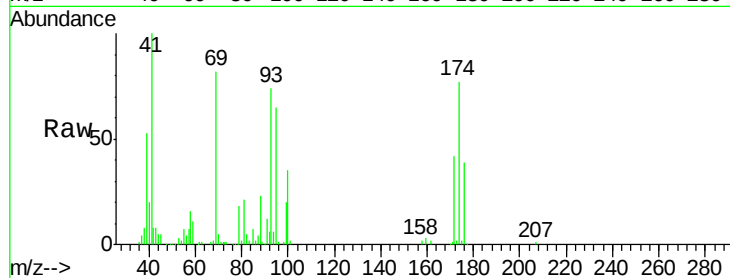
#49
1,4-Dioxane
Concen: 1024.806 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.5	36.7
58	70.7	54.5	81.7

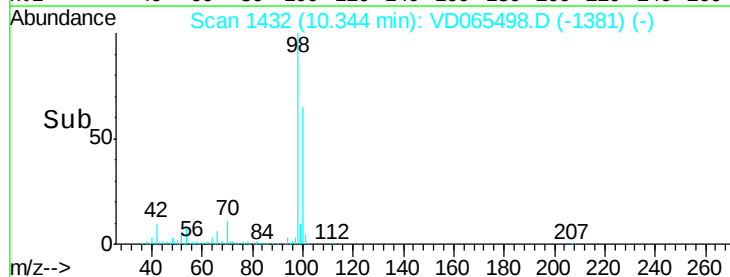
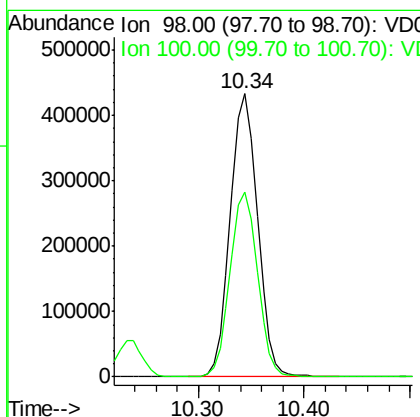
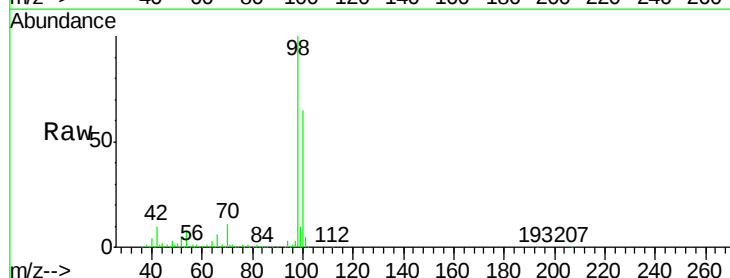
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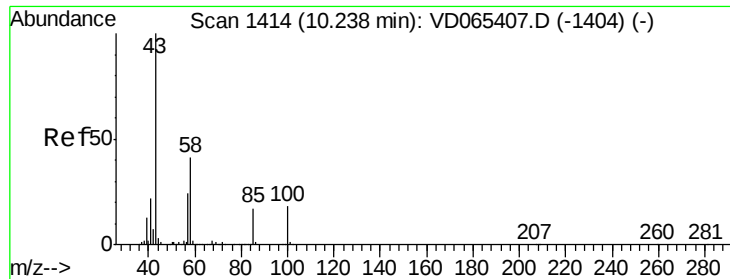
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#50
Toluene-d8
Concen: 50.242 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.8	79.2





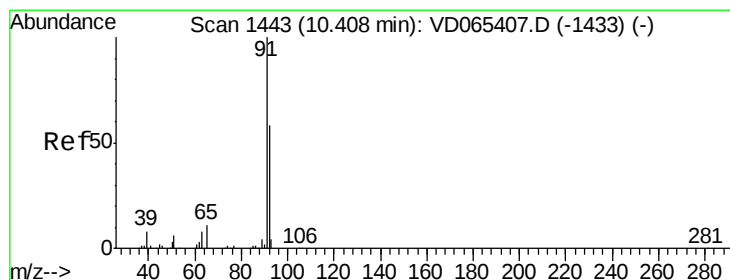
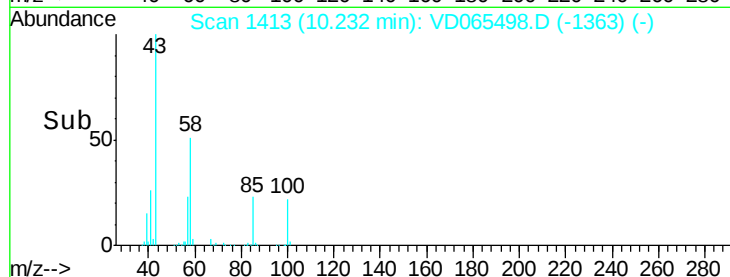
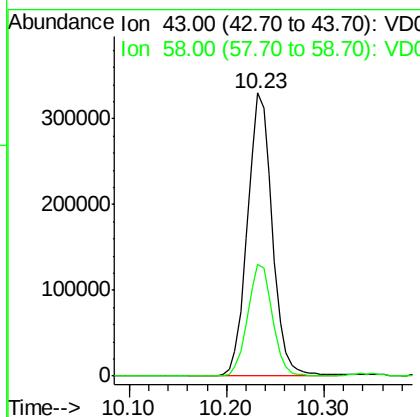
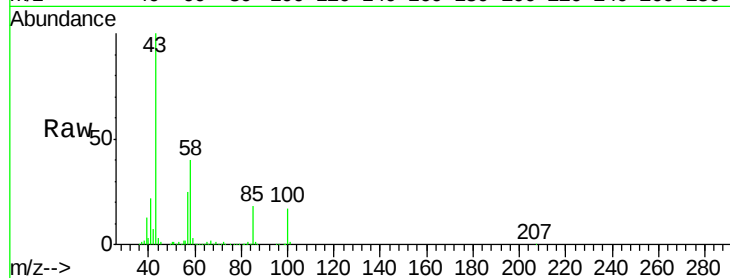
#51
4-Methyl-2-Pentanone
Concen: 263.238 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.8	47.6

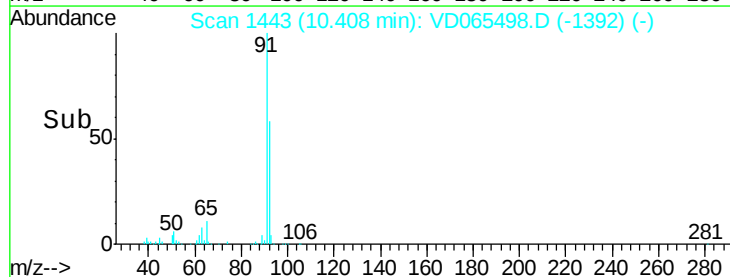
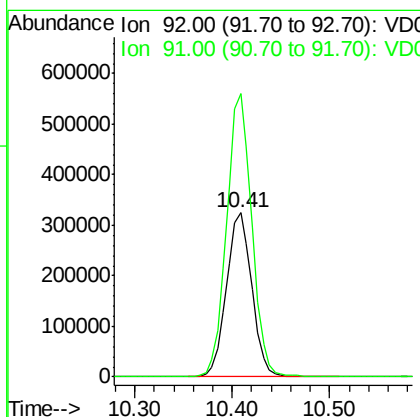
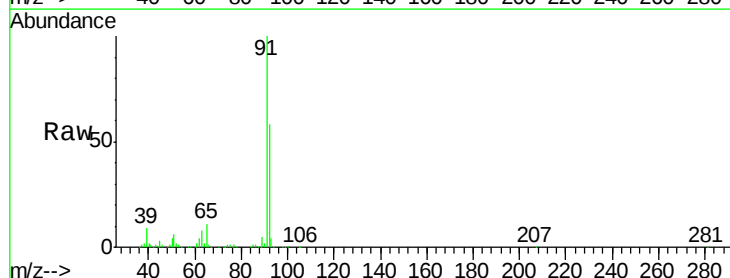
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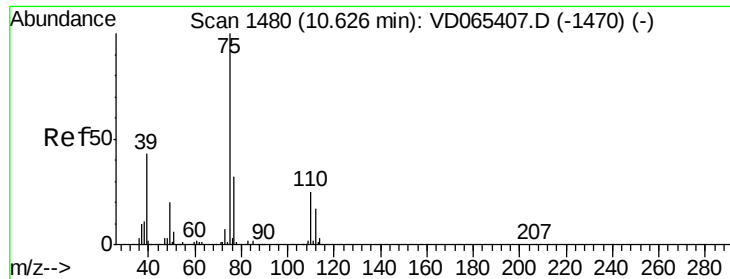
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#52
Toluene
Concen: 52.929 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.8	206.8





#53

t-1,3-Dichloropropene

Concen: 51.328 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 274414

Ion Ratio Lower Upper

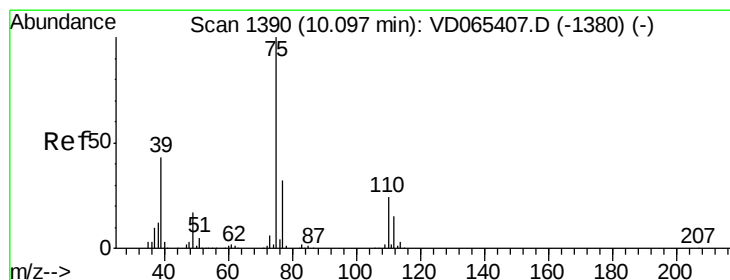
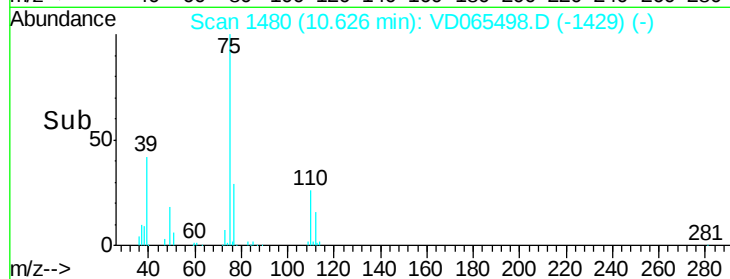
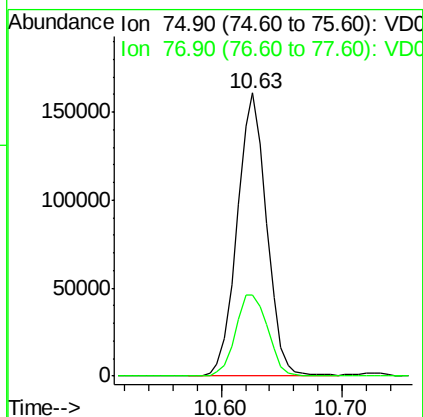
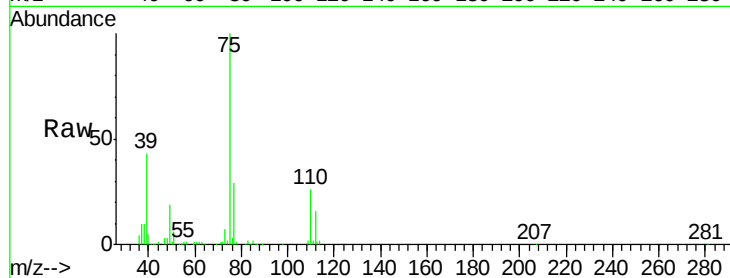
75 100

77 28.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 51.884 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

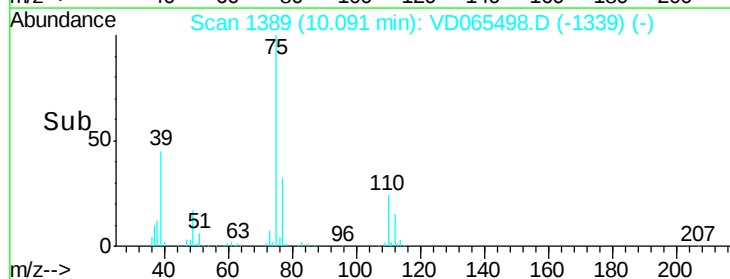
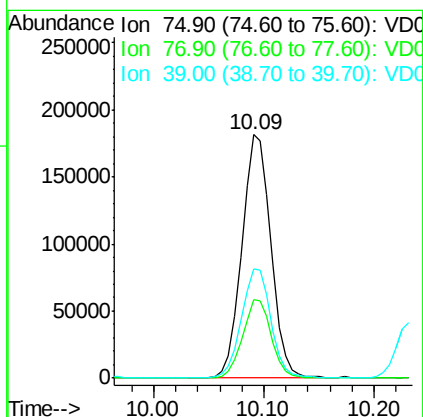
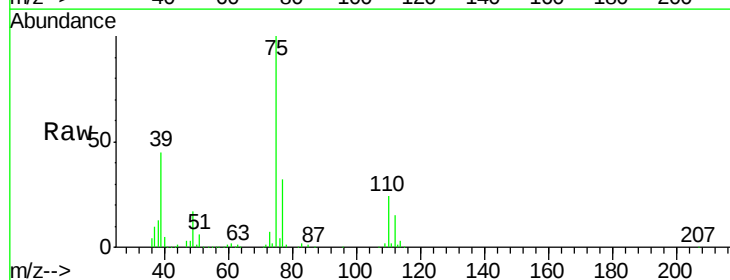
Tgt Ion: 75 Resp: 335758

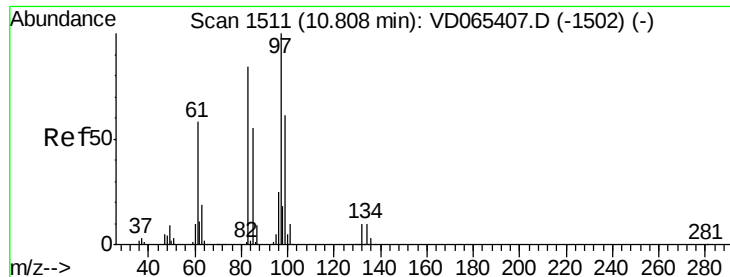
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 45.0 34.6 52.0





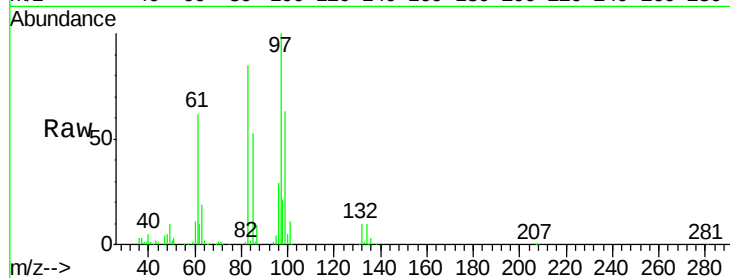
#55
 1,1,2-Trichloroethane
 Concen: 51.940 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

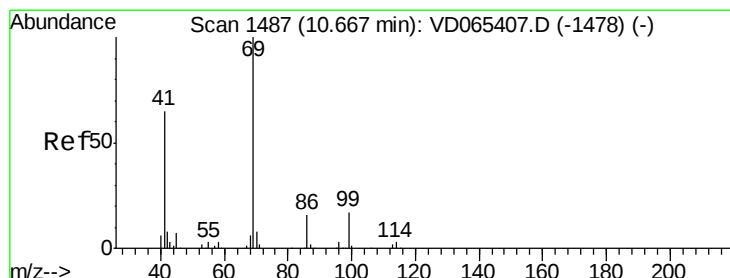
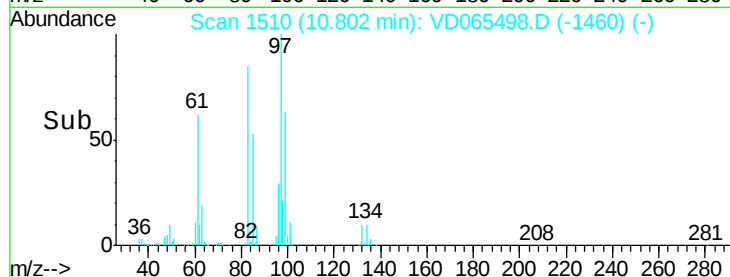
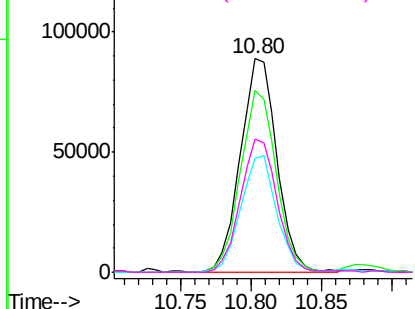
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	53.2	43.8	65.8
99	62.6	48.8	73.2

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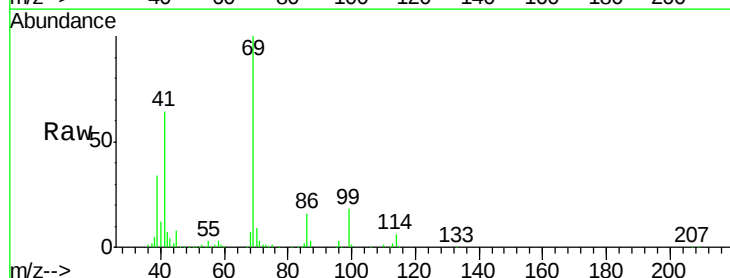


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

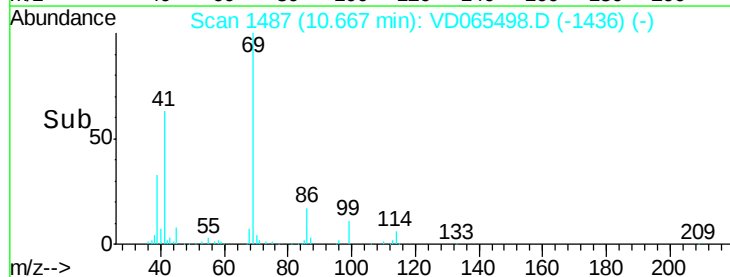
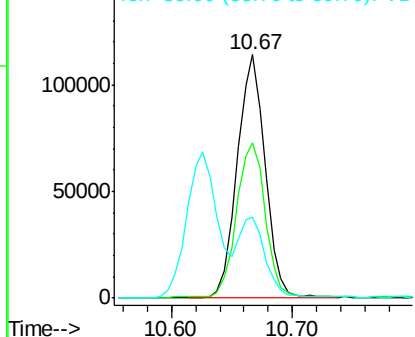


#56
 Ethyl methacrylate
 Concen: 52.820 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.0	79.6
39	30.4	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





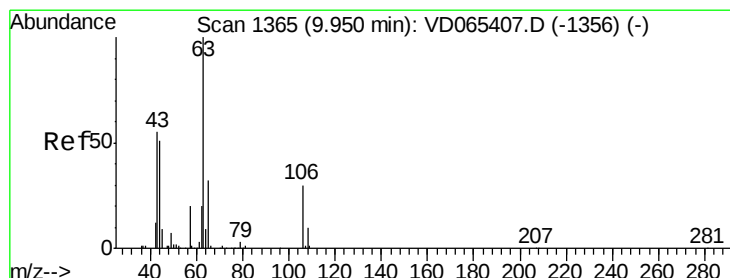
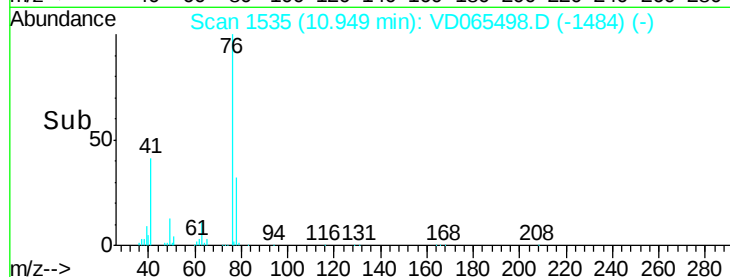
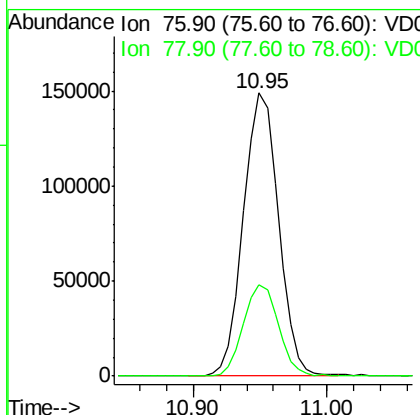
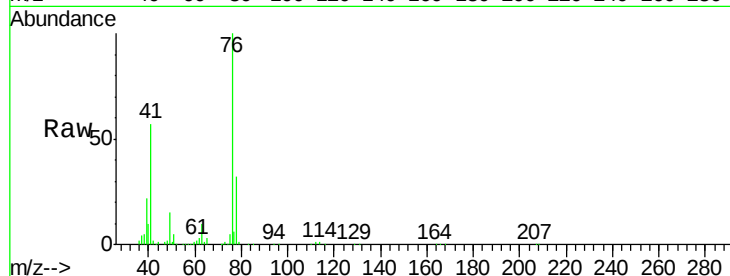
#57
 1,3-Dichloropropane
 Concen: 51.553 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 271677
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

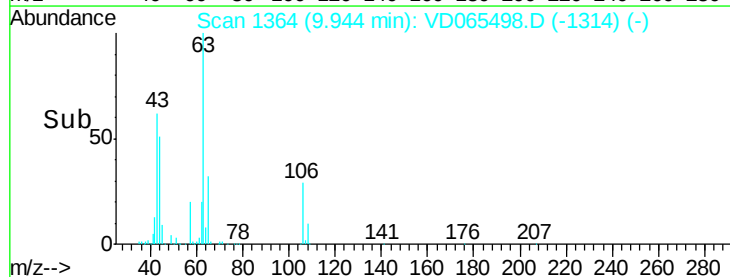
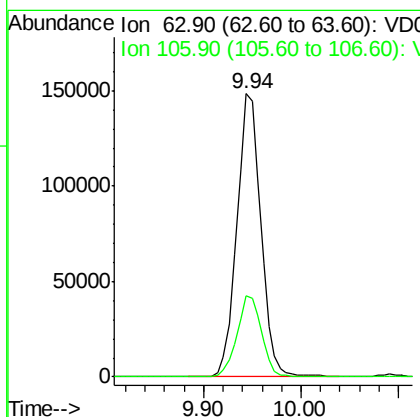
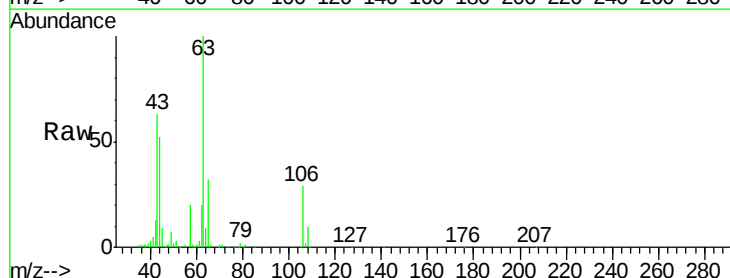
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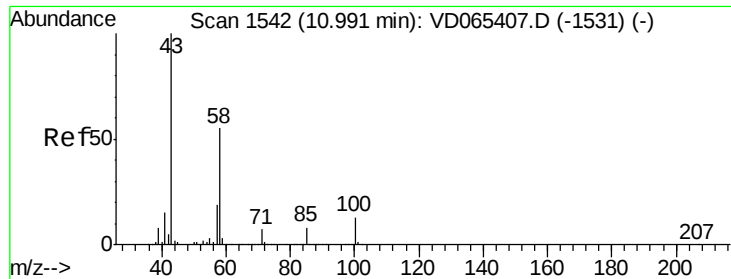
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#58
 2-Chloroethyl Vinyl ether
 Concen: 232.147 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion: 63 Resp: 254589
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.3 34.9





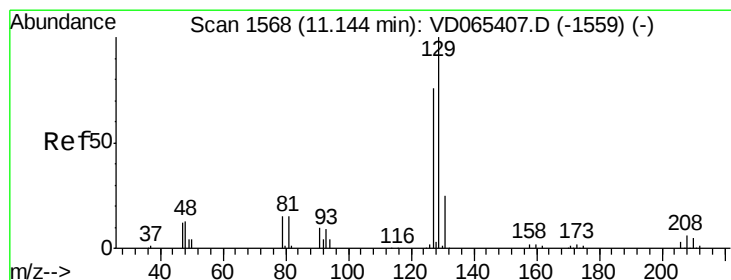
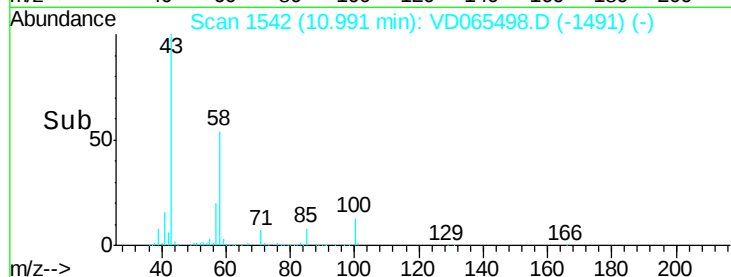
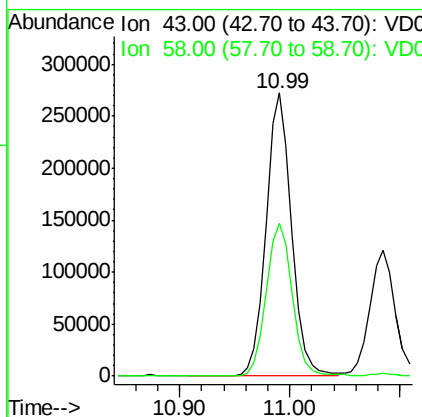
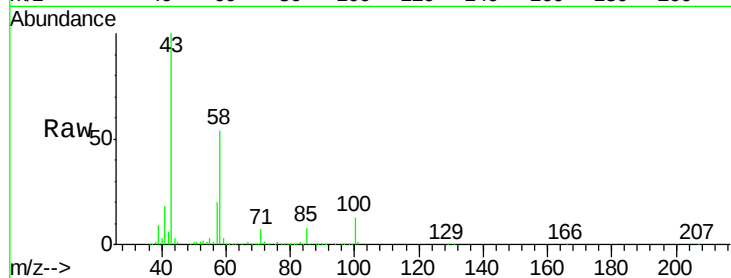
#59
2-Hexanone
Concen: 281.774 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 438501
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.2

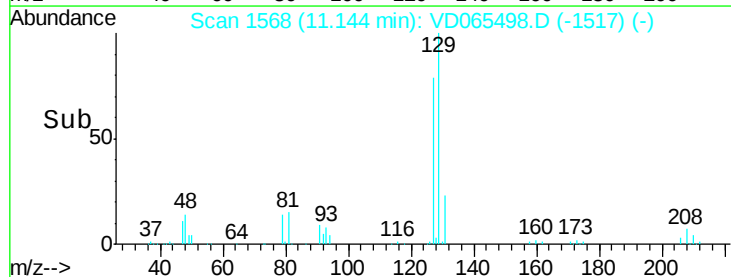
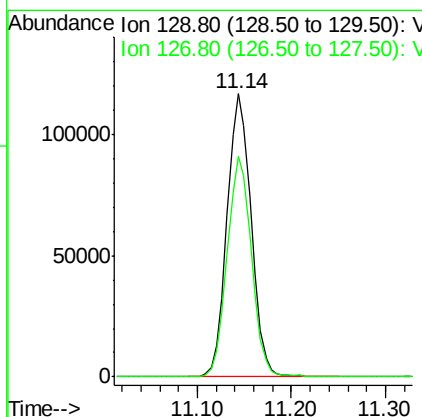
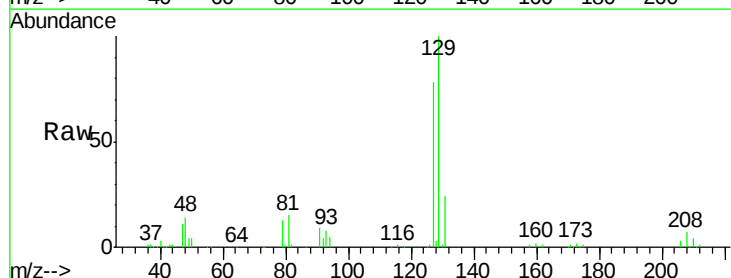
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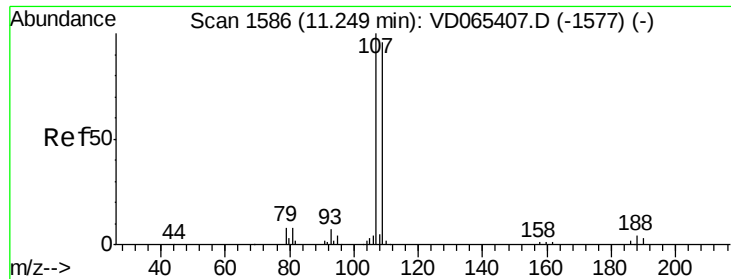
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#60
Dibromochloromethane
Concen: 52.182 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion: 129 Resp: 208333
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





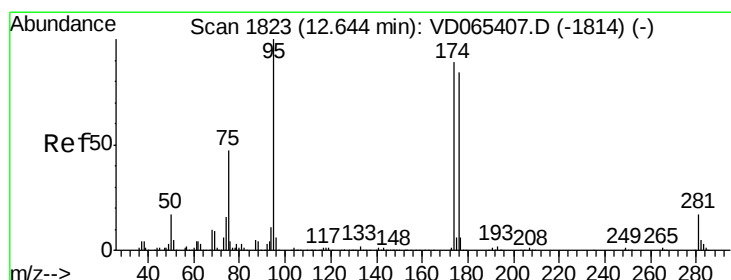
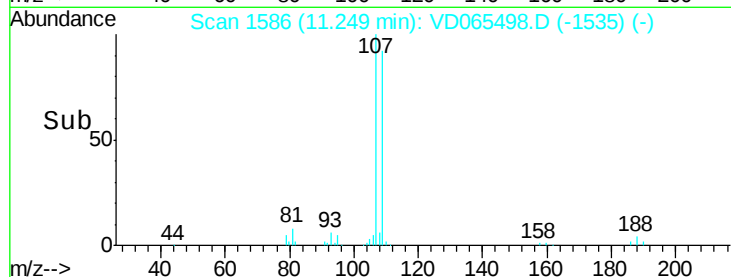
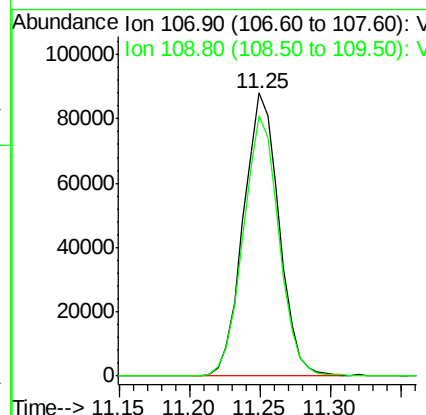
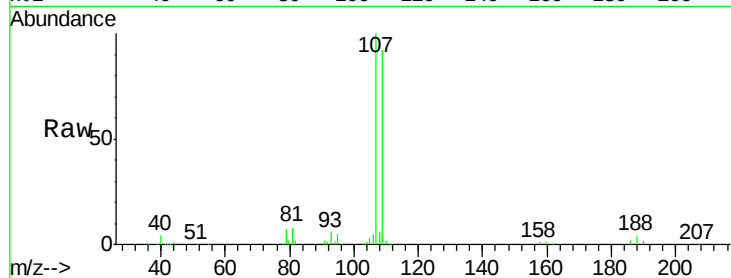
#61
 1,2-Dibromoethane
 Concen: 52.487 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.8	115.2

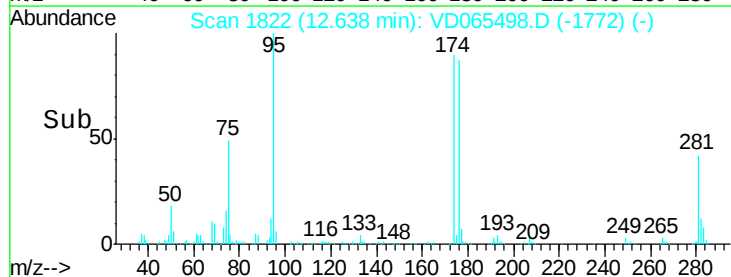
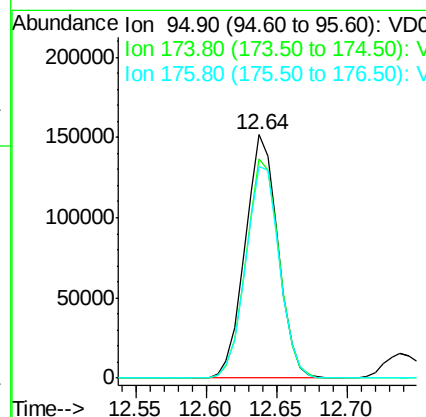
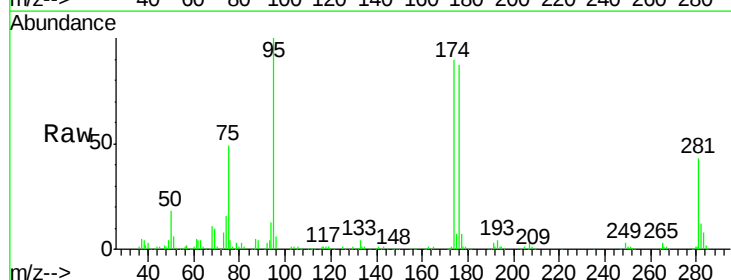
Manual Integrations
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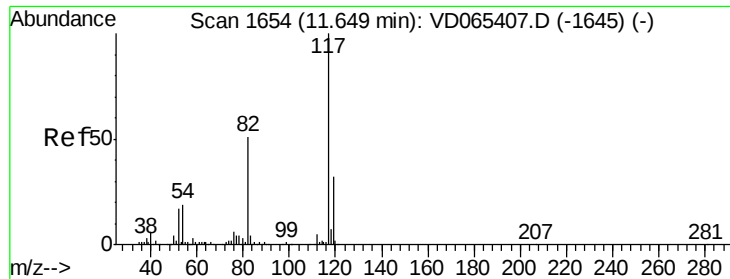
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#62
 4-Bromofluorobenzene
 Concen: 51.738 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	176.8
176	89.3	0.0	171.4





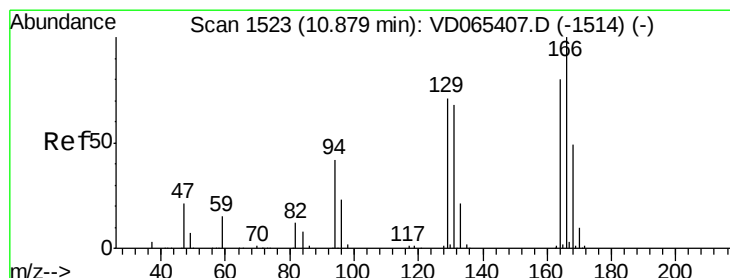
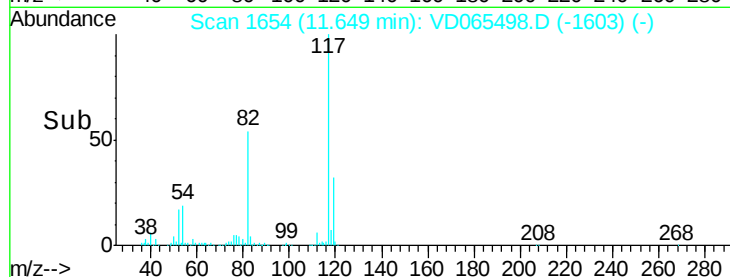
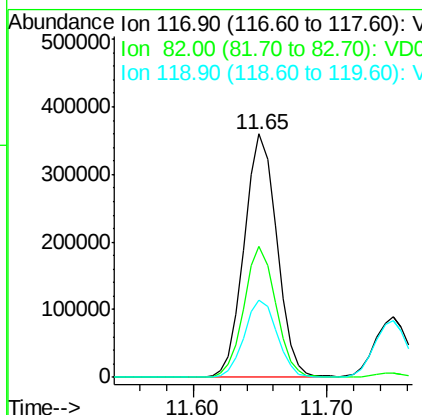
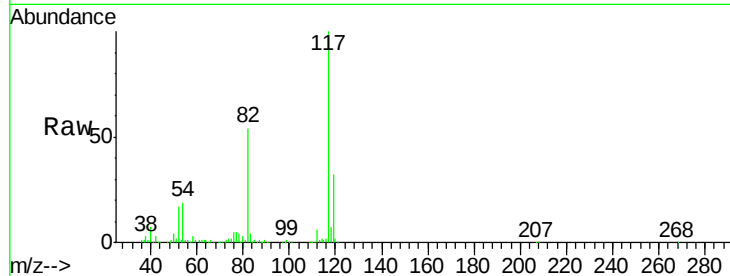
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608499		
82	53.9		40.6	60.8
119	31.5		25.4	38.2

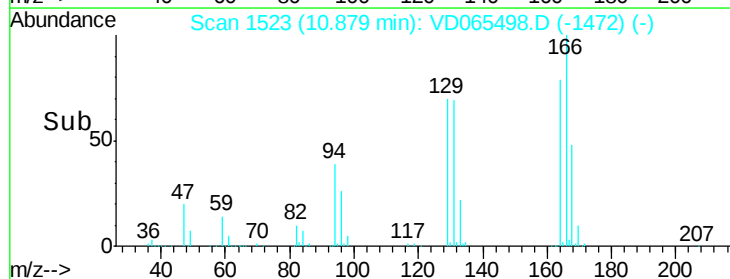
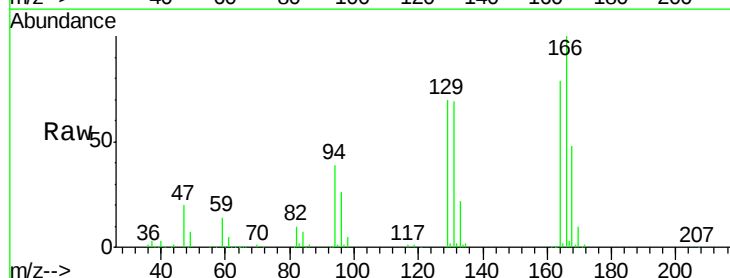
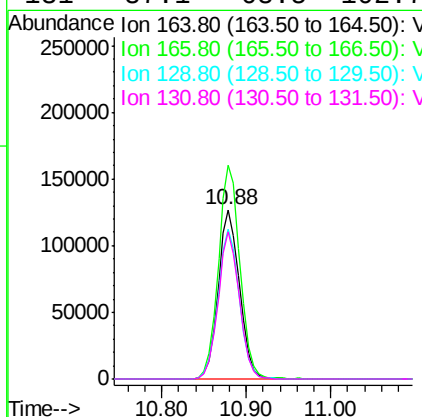
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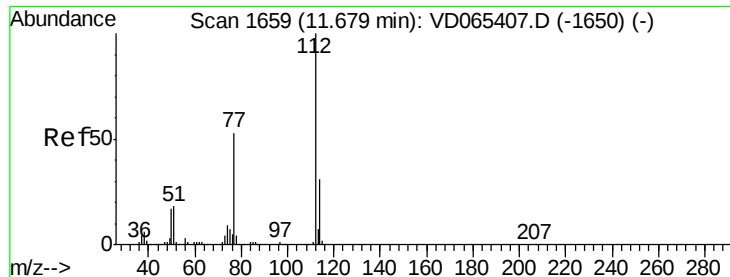
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#64
Tetrachloroethene
Concen: 51.118 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222890		
166	126.0		100.5	150.7
129	88.0		71.5	107.3
131	87.1		68.5	102.7





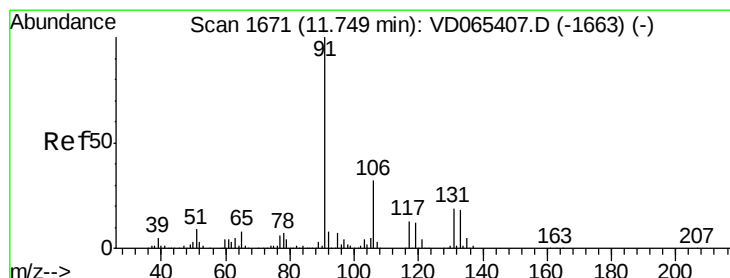
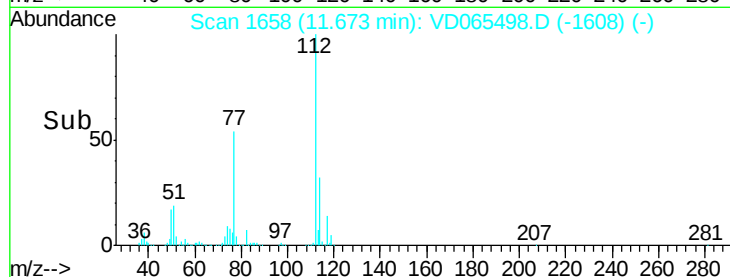
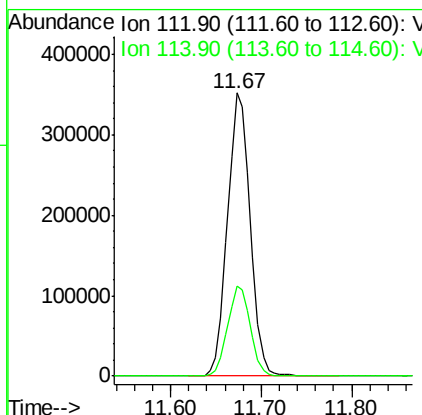
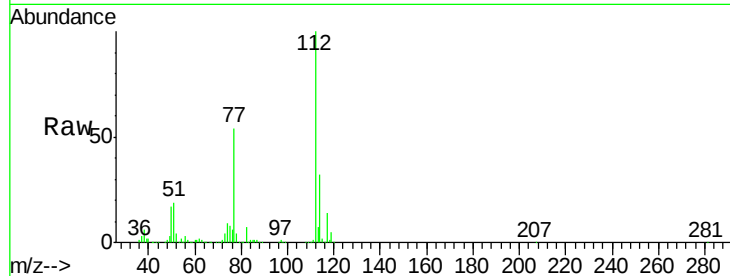
#65
Chlorobenzene
Concen: 50.812 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.4	36.6

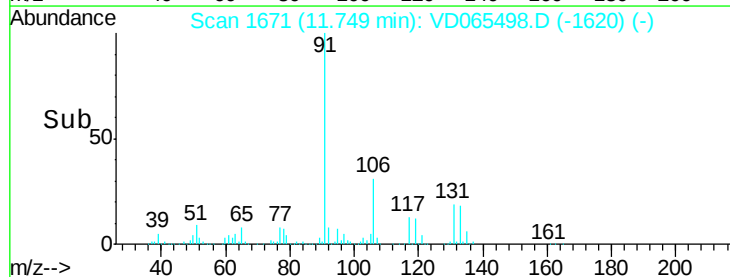
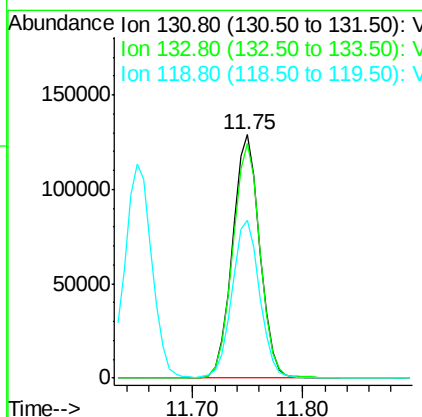
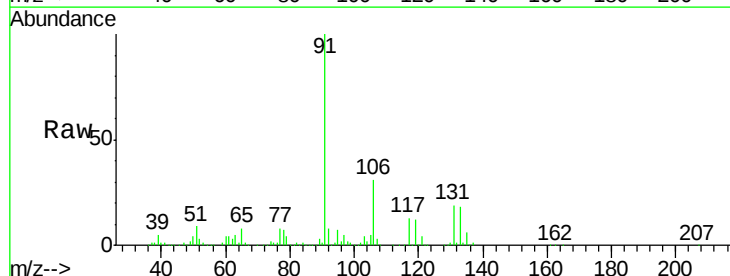
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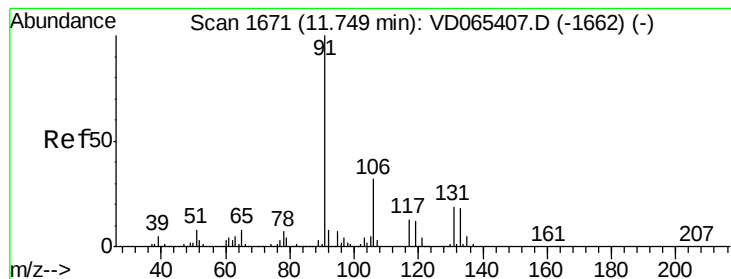
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.916 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	49.2	147.6
119	66.1	33.3	99.8





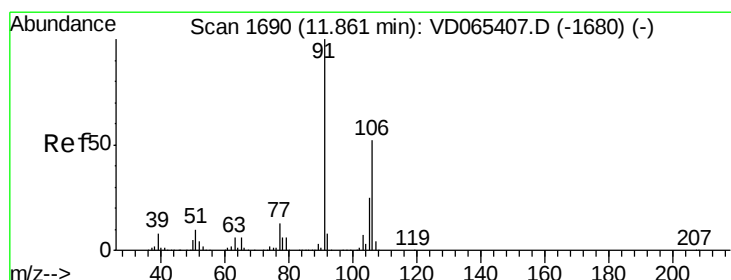
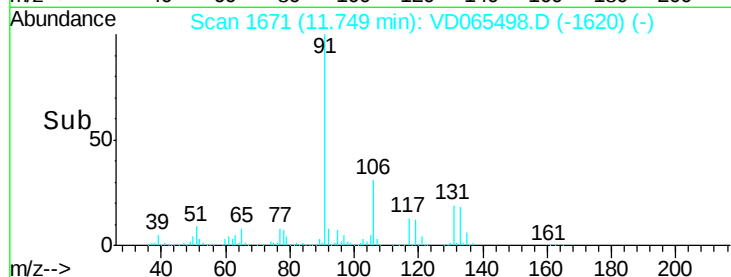
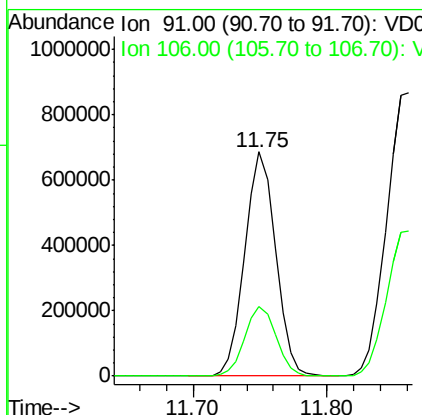
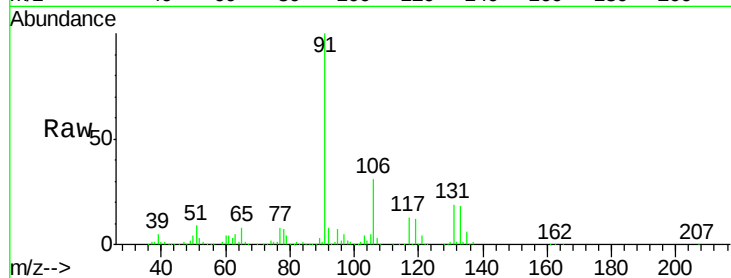
#67
Ethyl Benzene
Concen: 52.715 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1096801
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8

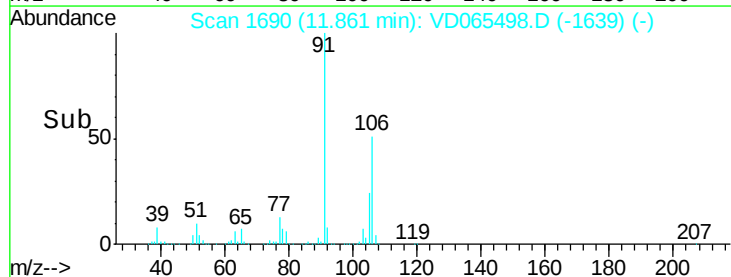
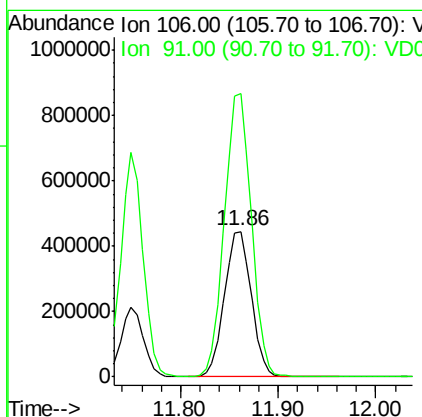
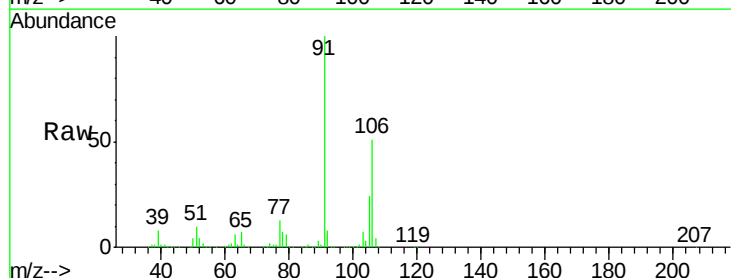
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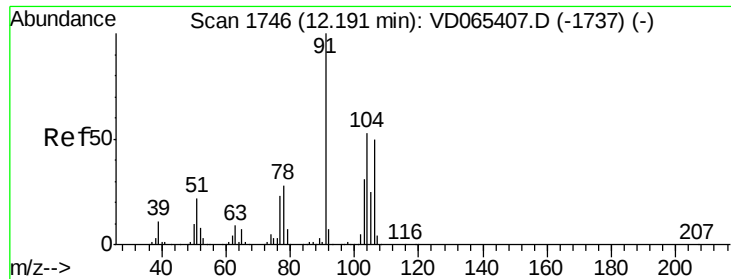
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#68
m/p-Xylenes
Concen: 106.116 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion: 106 Resp: 851338
Ion Ratio Lower Upper
106 100
91 195.7 155.9 233.9





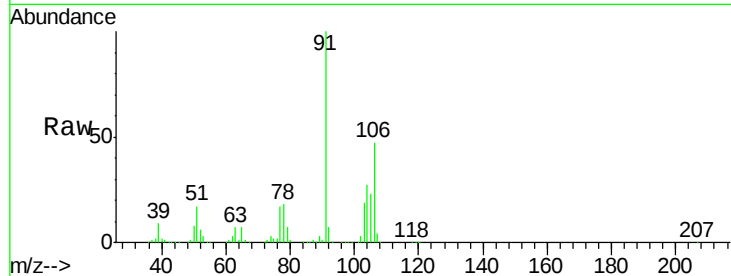
#69
o-Xylene
Concen: 52.338 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

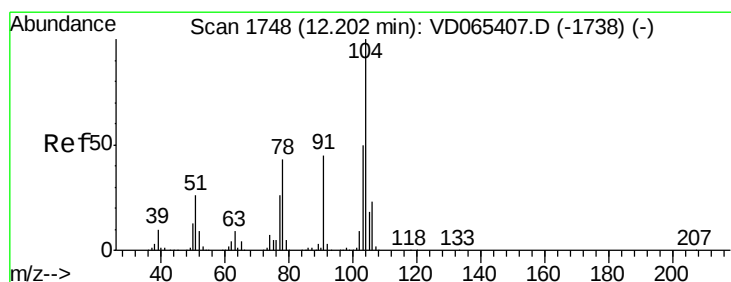
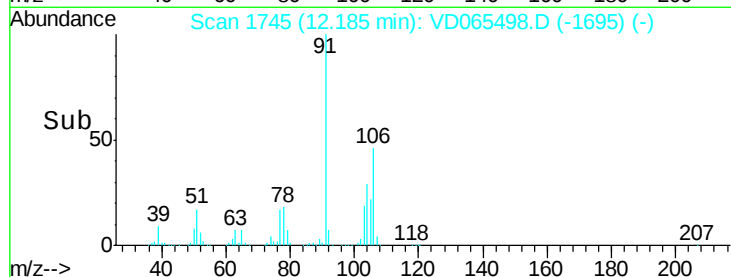
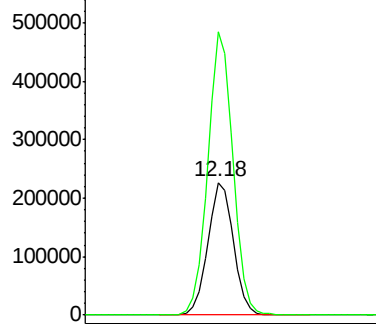
Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	103.5	310.3

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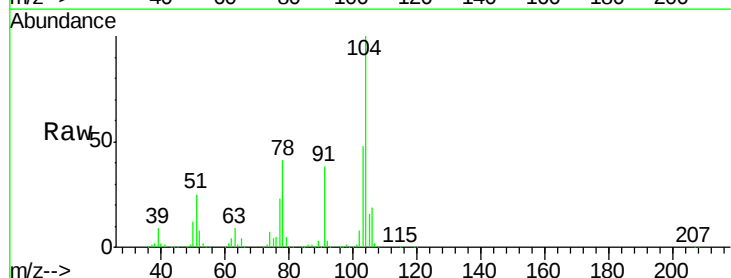


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

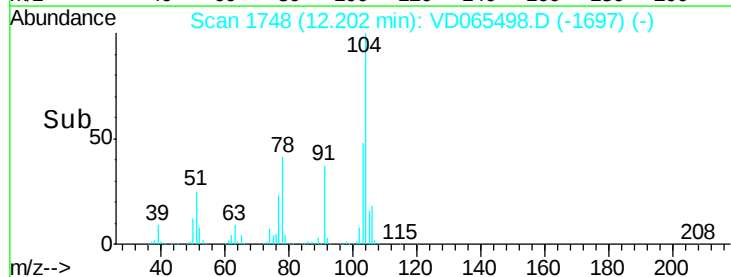
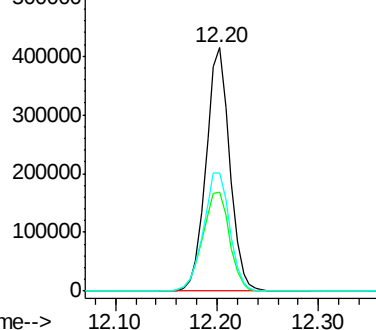


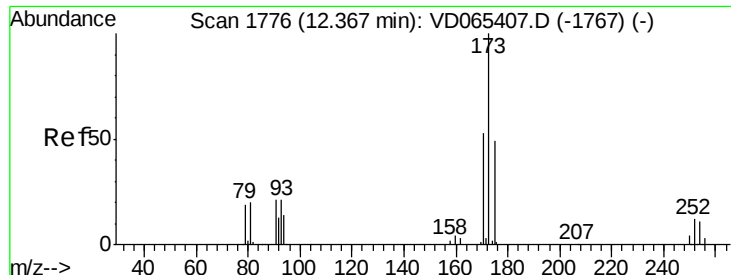
#70
Styrene
Concen: 53.935 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.7	56.5
103	54.4	43.6	65.4



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





#71

Bromoform

Concen: 51.046 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

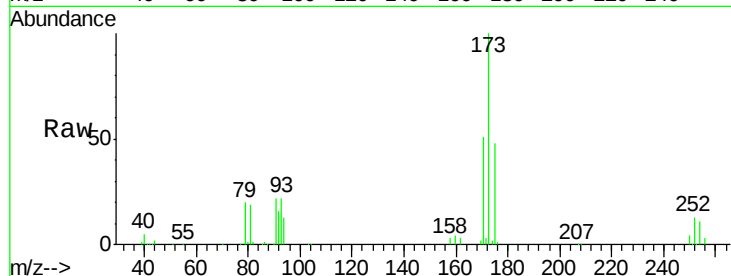
ClientSampleId :

VSTDCCC050

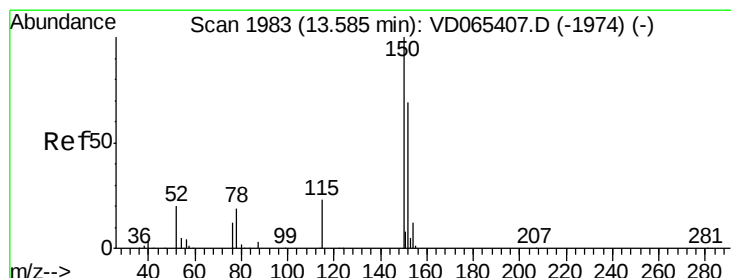
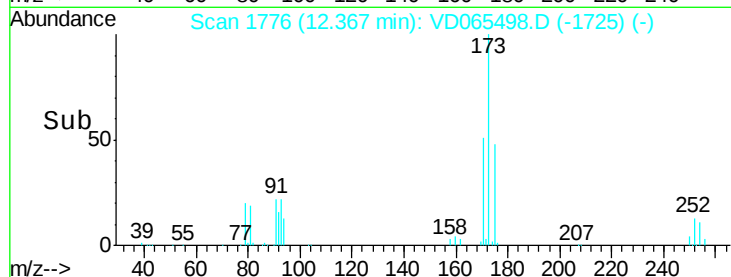
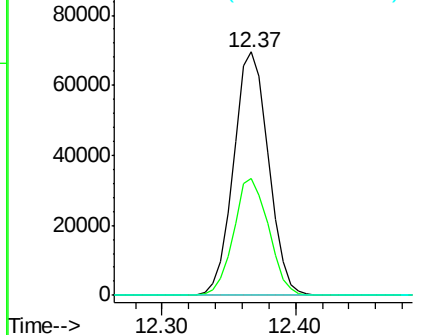
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1#

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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

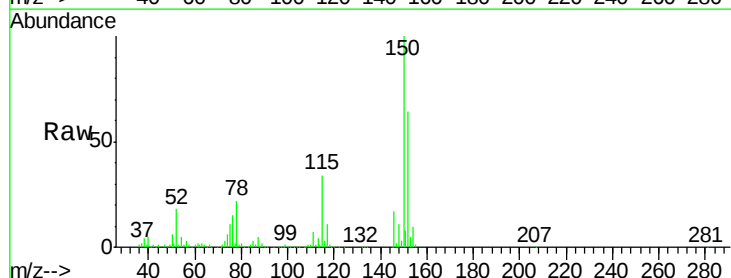
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

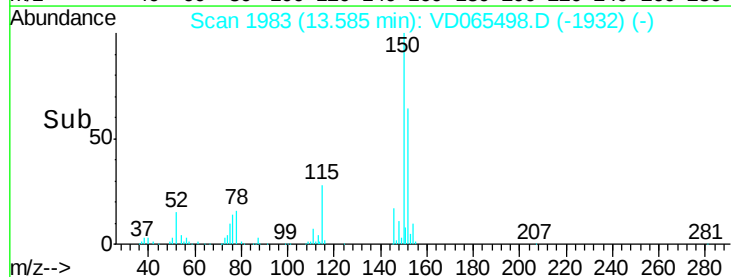
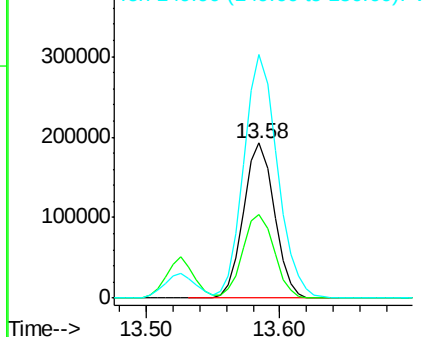
Lab File: VD065498.D

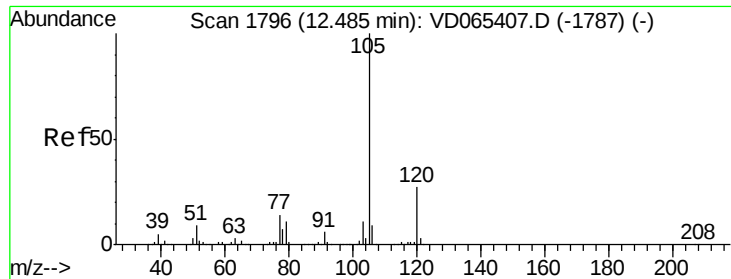
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.8
150	171.2	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: 51.531 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1044529

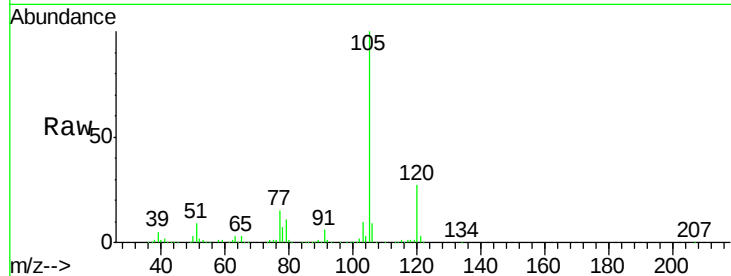
Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4

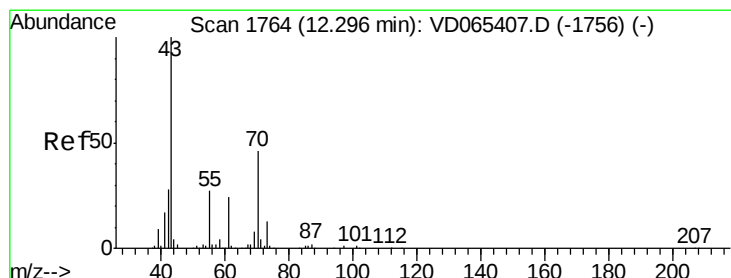
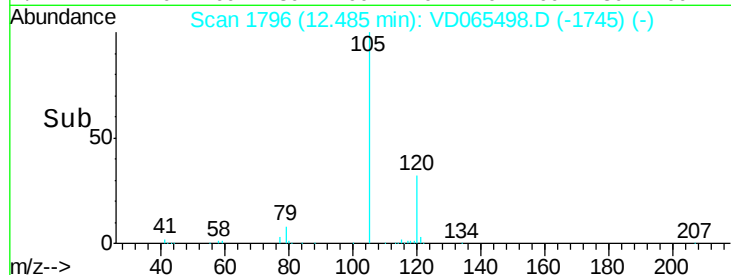
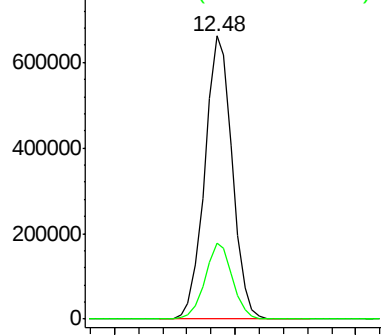
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.712 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion: 43 Resp: 197991

Ion Ratio Lower Upper

43 100

70 45.7 36.1 54.1

55 29.3 21.6 32.4

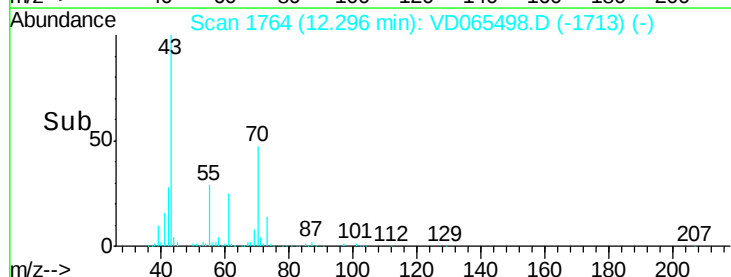
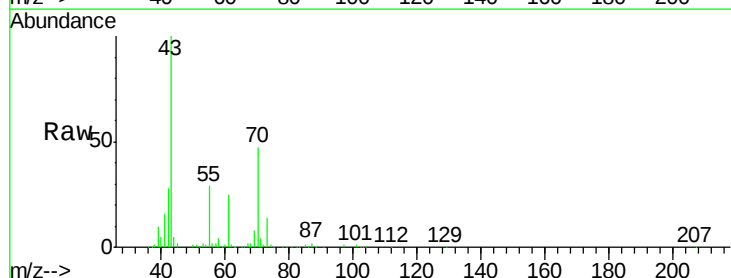
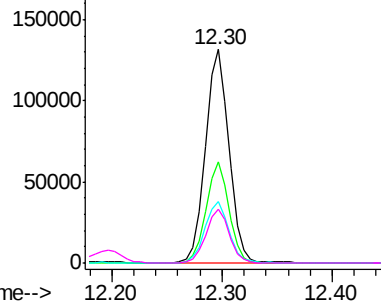
61 24.7 19.6 29.4

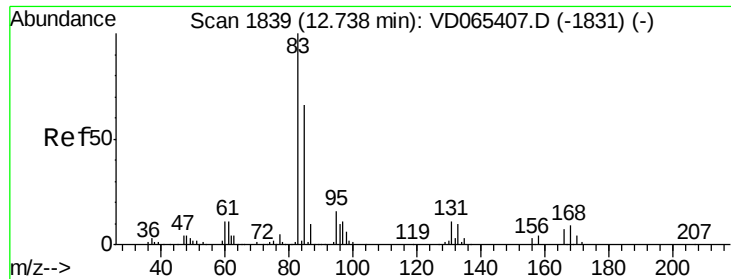
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 48.305 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

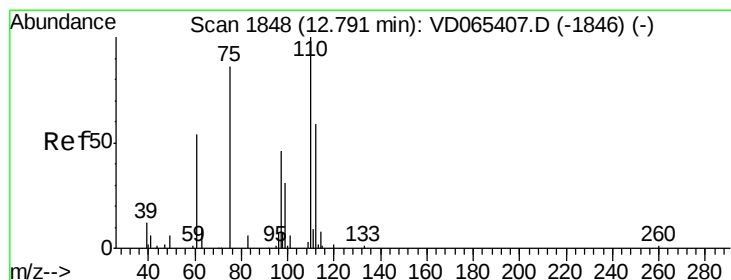
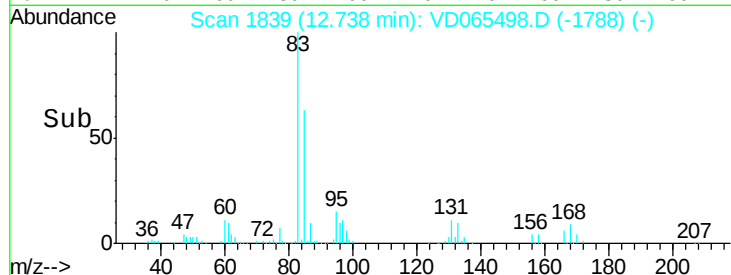
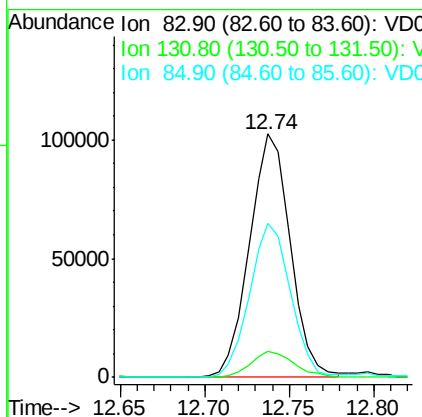
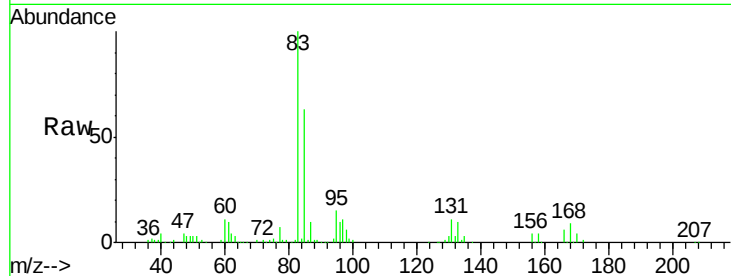
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172109
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.1	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 47.671 ug/l m

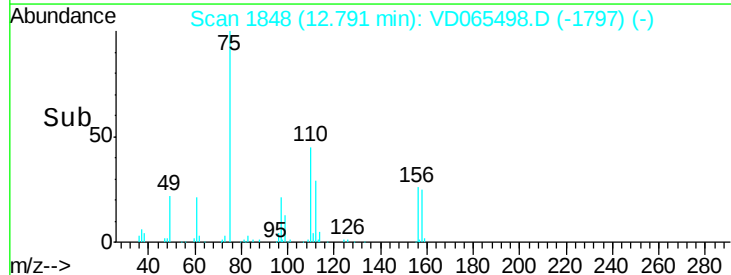
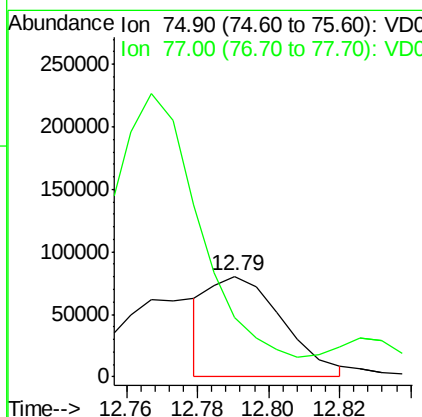
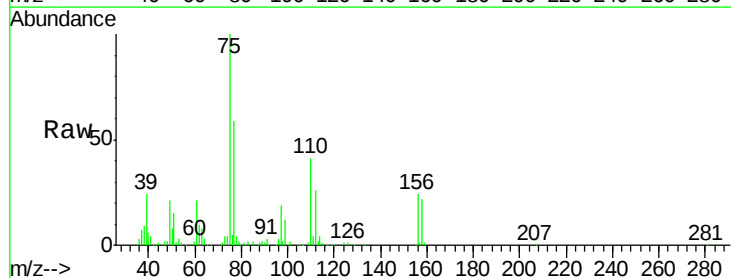
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Tgt Ion:	75	Resp:	115922
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





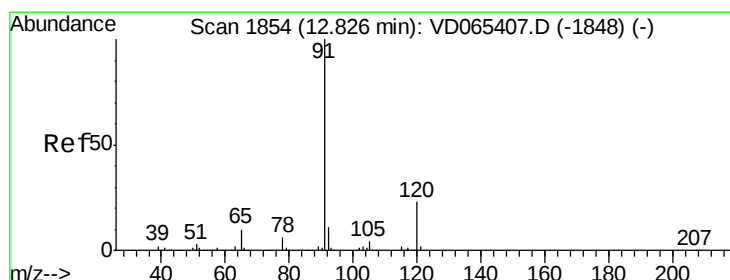
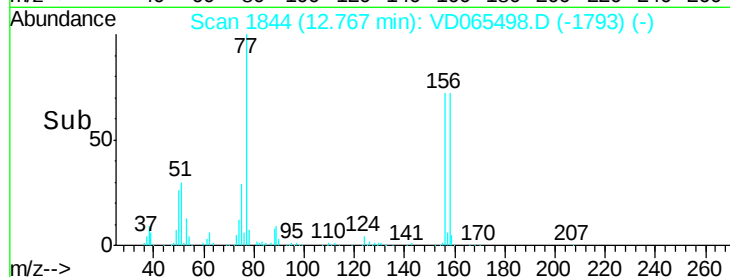
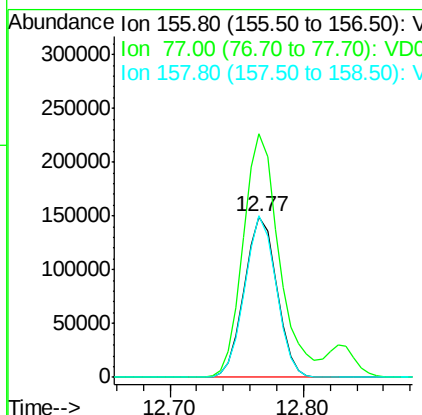
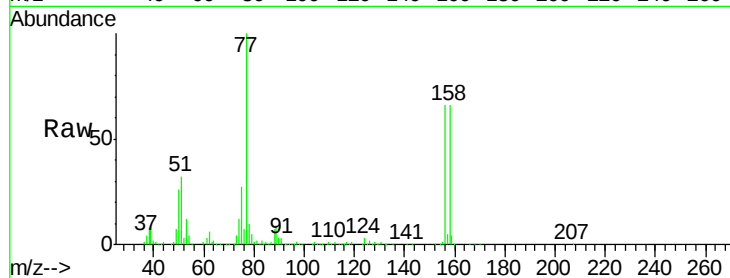
#77
Bromobenzene
Concen: 49.647 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.2	84.9	254.6
158	98.1	49.0	147.2

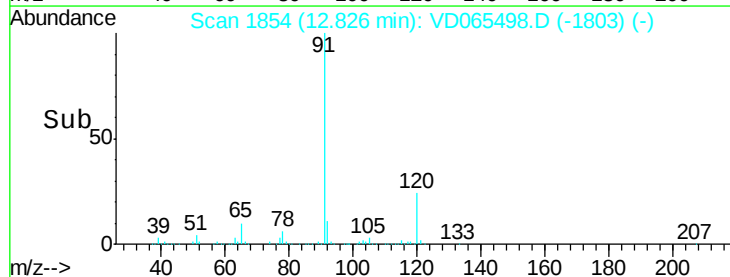
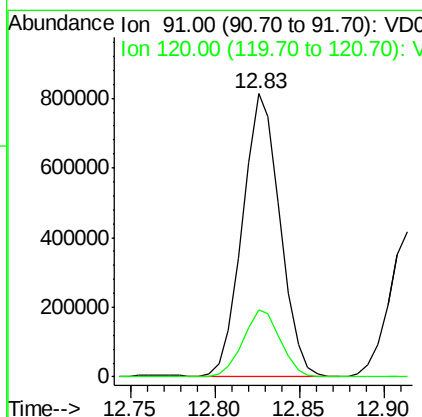
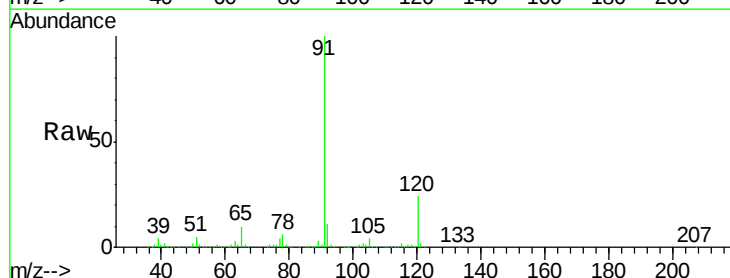
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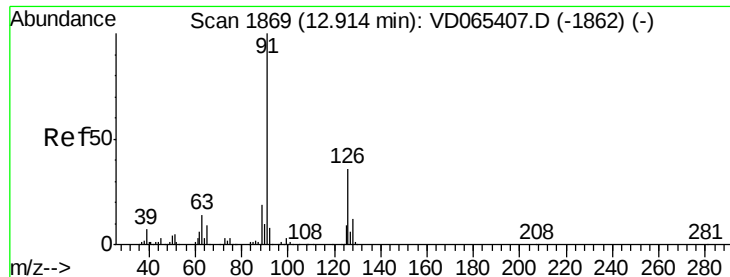
MMDadoda
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#78
n-propylbenzene
Concen: 52.131 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.632 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 686288

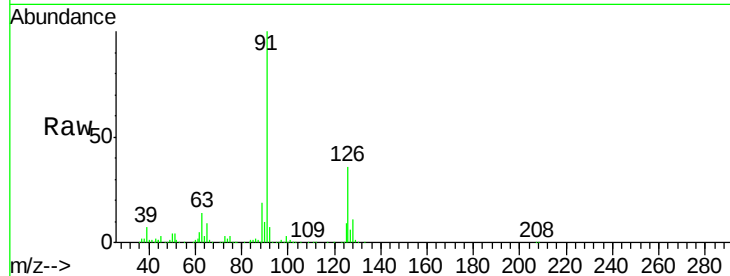
Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.8

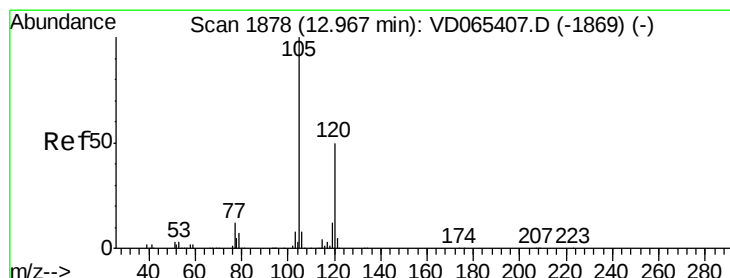
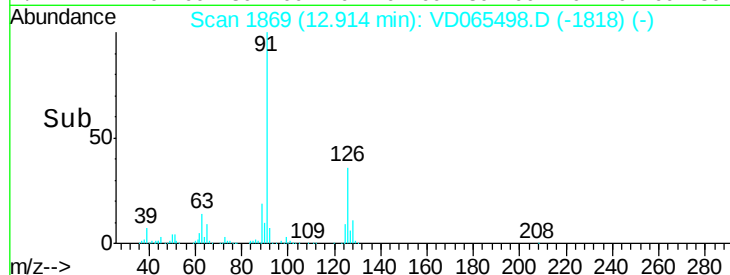
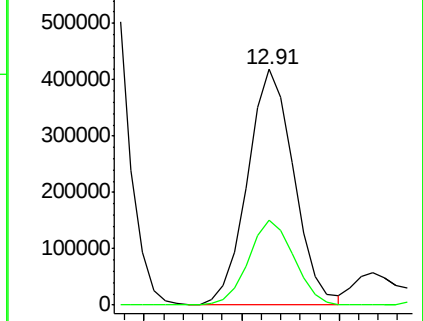
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.012 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065498.D

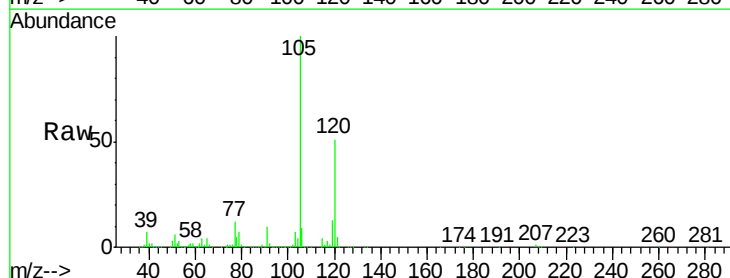
Acq: 13 Mar 2020 10:38

Tgt Ion: 105 Resp: 866741

Ion Ratio Lower Upper

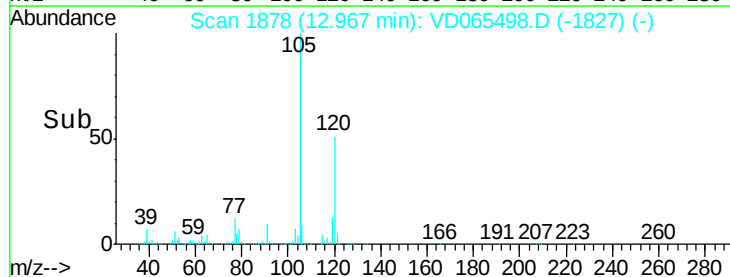
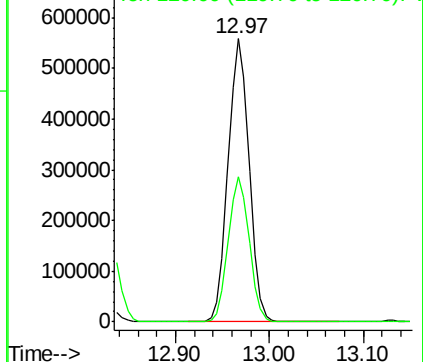
105 100

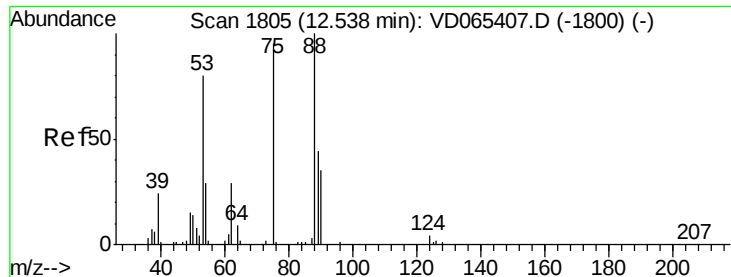
120 51.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)





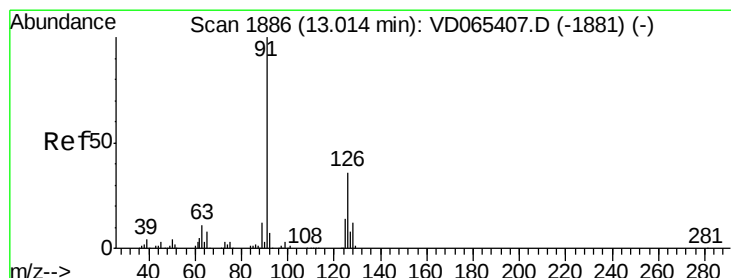
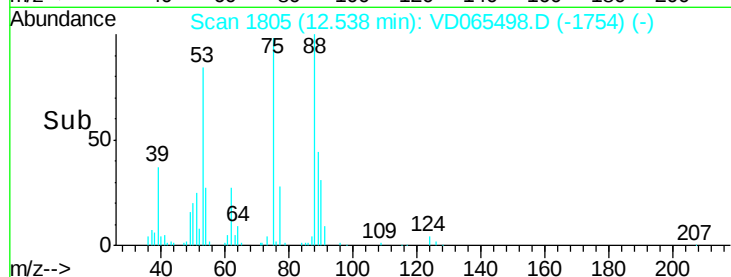
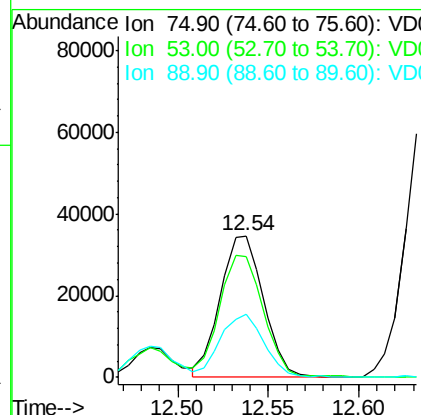
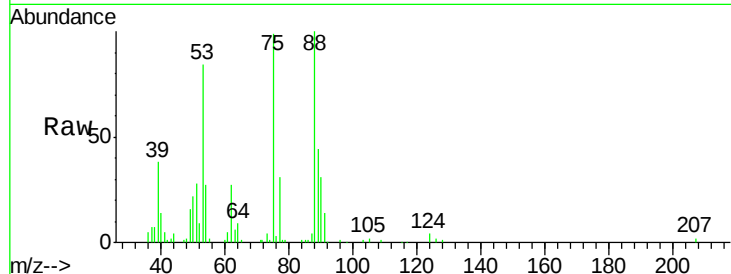
#81
trans-1,4-Dichloro-2-butene
Concen: 49.797 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.6	71.3	106.9
89	45.4	37.0	55.6

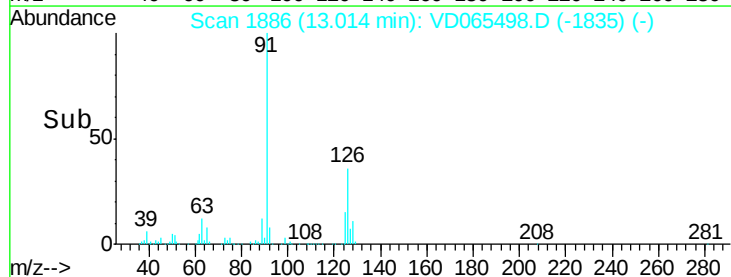
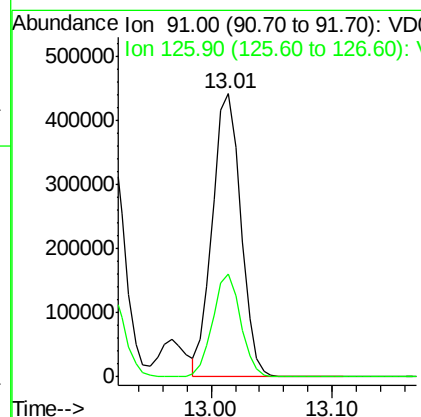
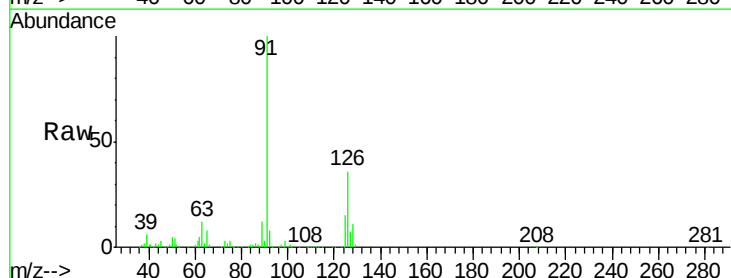
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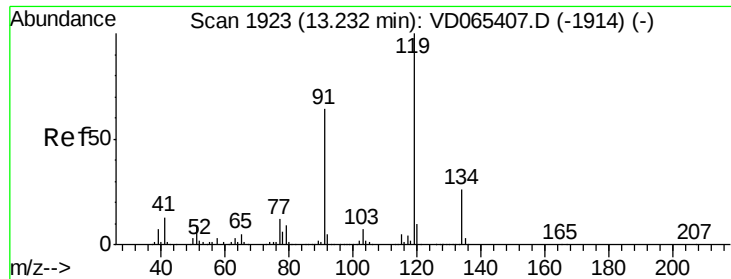
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#82
4-Chlorotoluene
Concen: 50.367 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





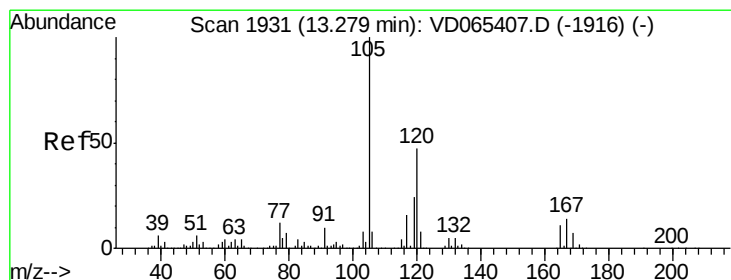
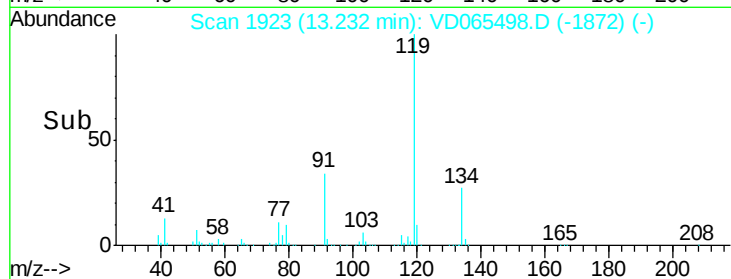
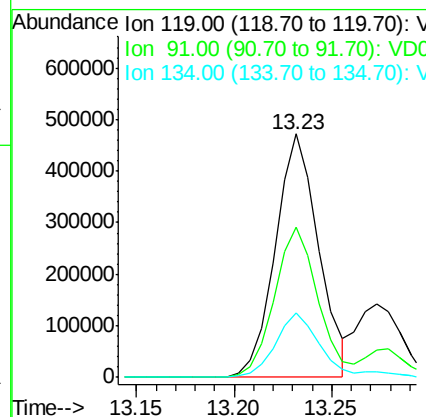
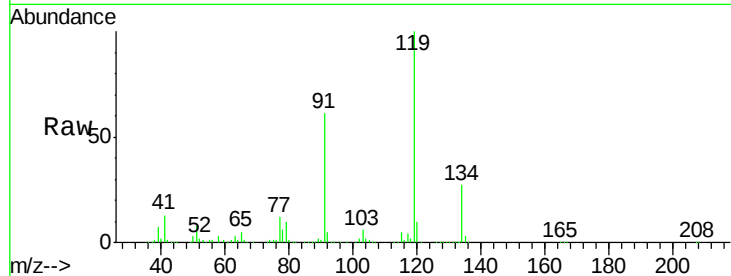
#83
tert-Butylbenzene
Concen: 51.406 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.6	95.0
134	28.2	14.2	42.8

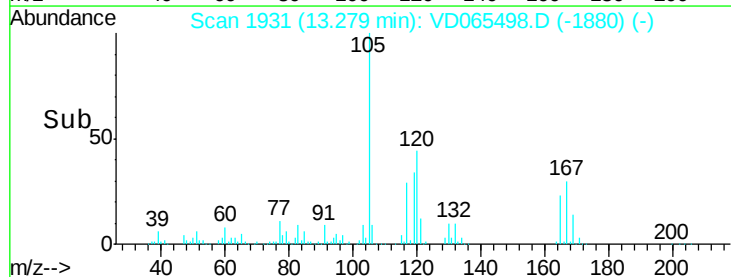
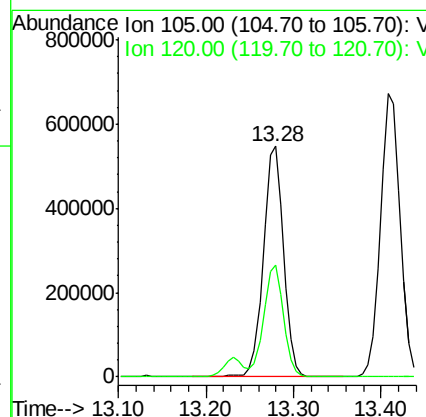
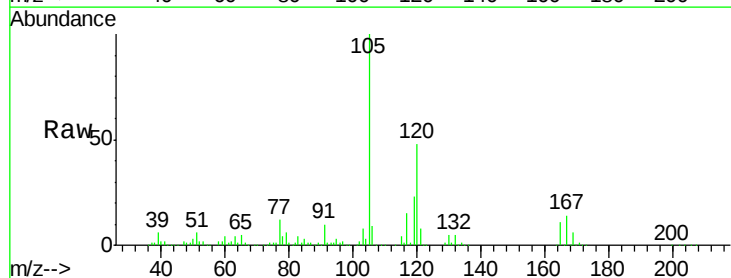
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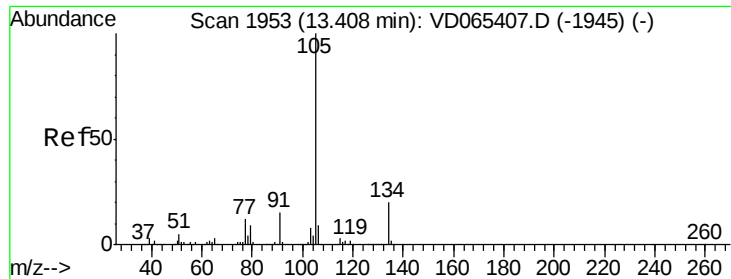
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#84
1,2,4-Trimethylbenzene
Concen: 52.812 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 52.292 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1052317

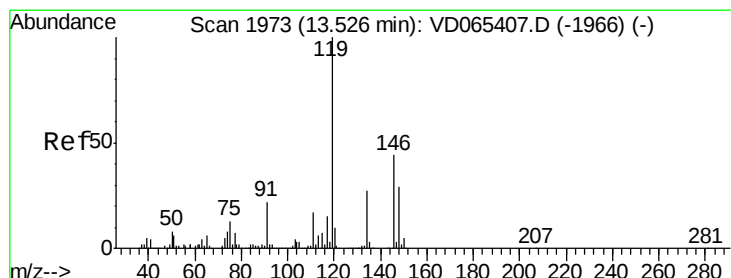
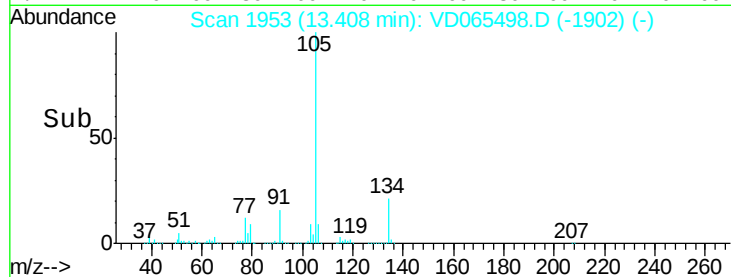
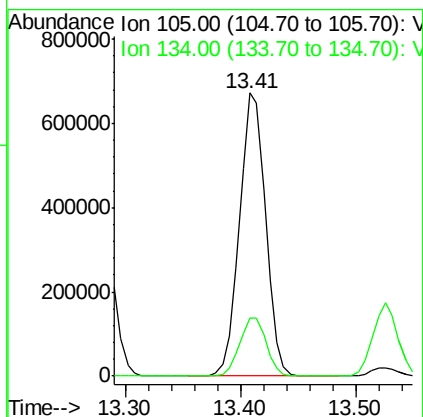
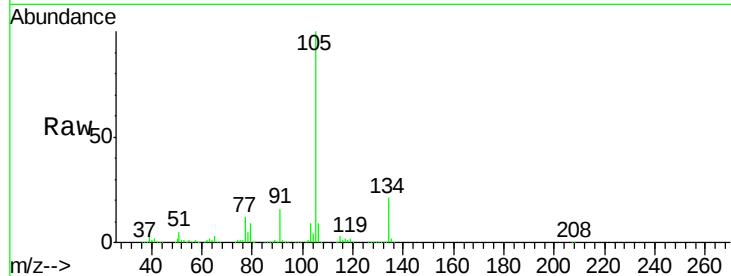
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 53.685 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065498.D

Acq: 13 Mar 2020 10:38

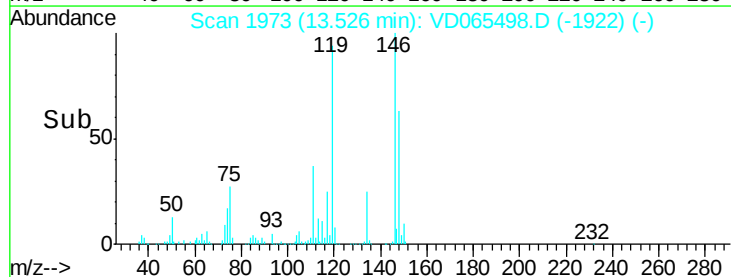
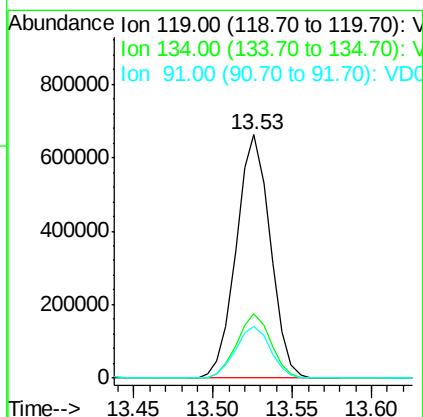
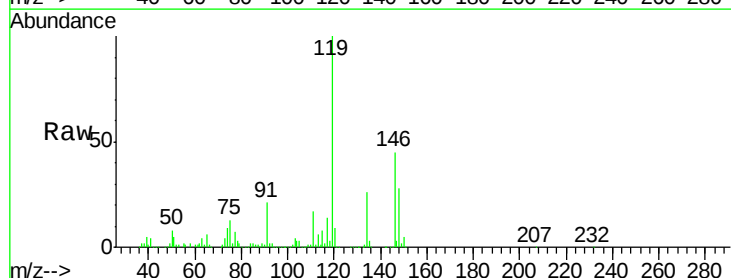
Tgt Ion:119 Resp: 985802

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 21.6 10.9 32.6





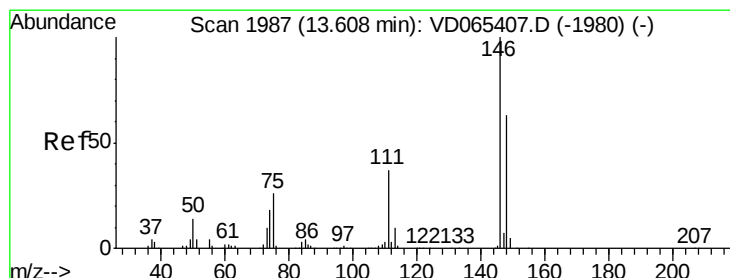
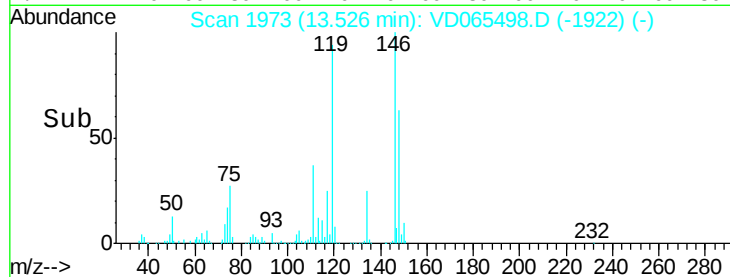
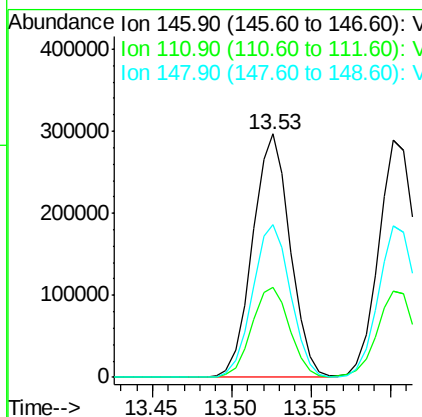
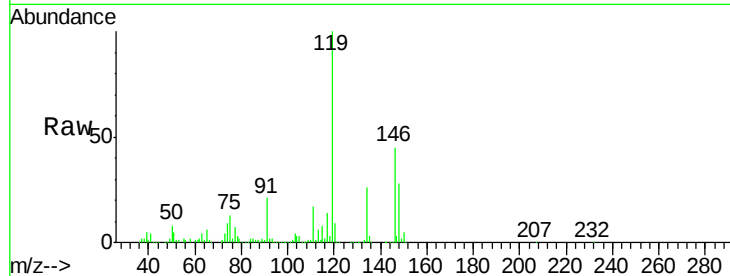
#87
 1,3-Dichlorobenzene
 Concen: 50.365 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.5	32.3	96.8

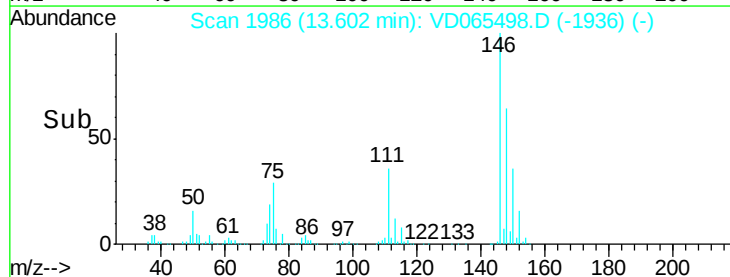
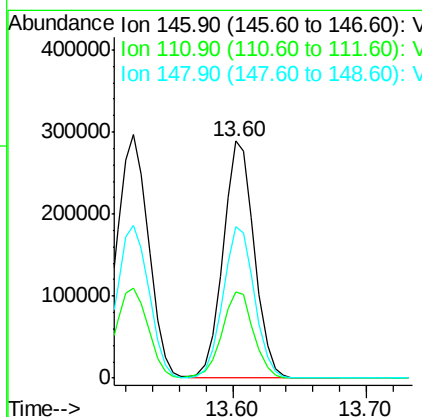
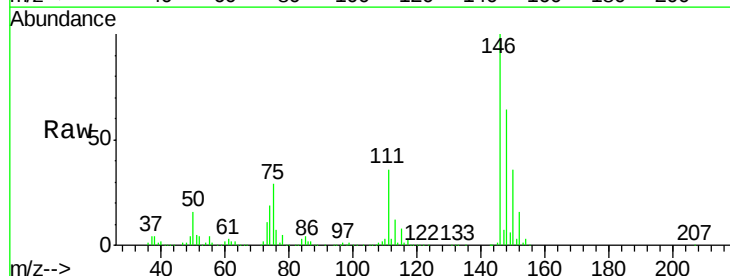
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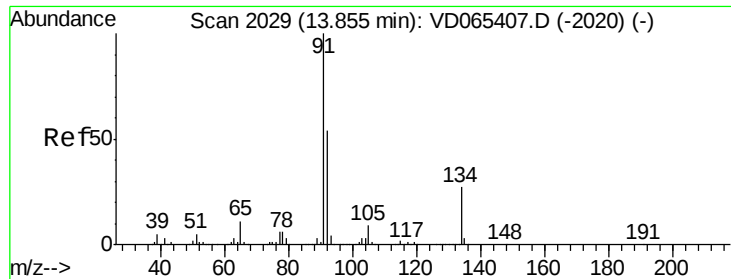
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#88
 1,4-Dichlorobenzene
 Concen: 49.016 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	64.6	32.0	96.0





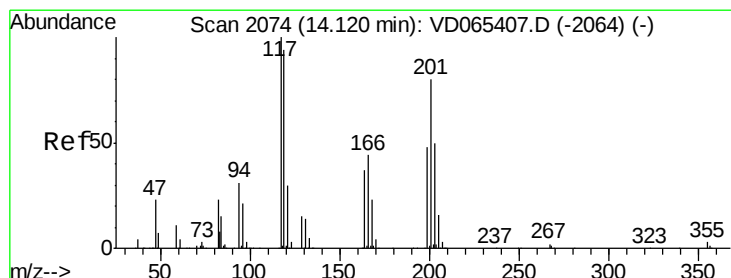
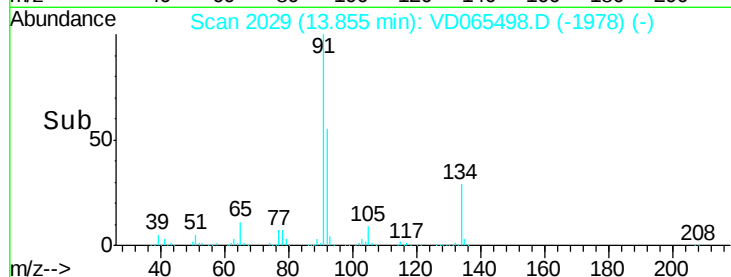
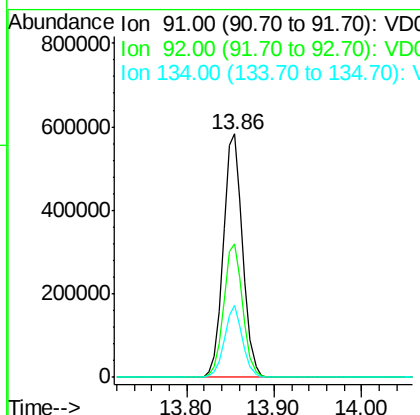
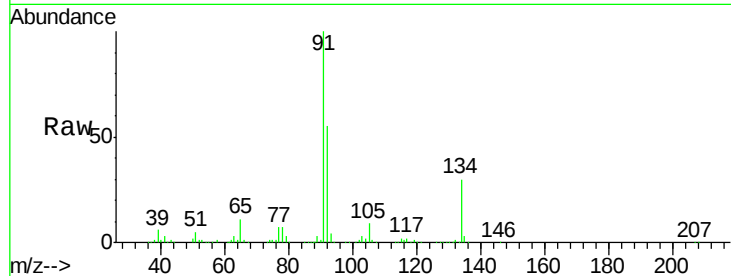
#89
n-Butylbenzene
Concen: 52.049 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	883597		
92	54.1	26.8	80.4	
134	27.4	13.4	40.2	

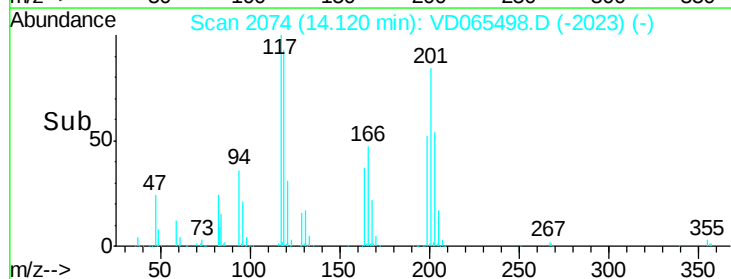
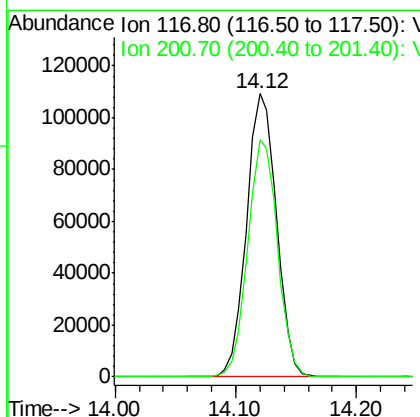
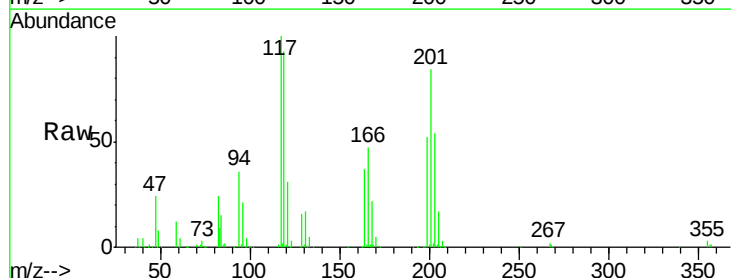
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#90
Hexachloroethane
Concen: 50.213 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	189885		
201	83.1	41.9	125.6	





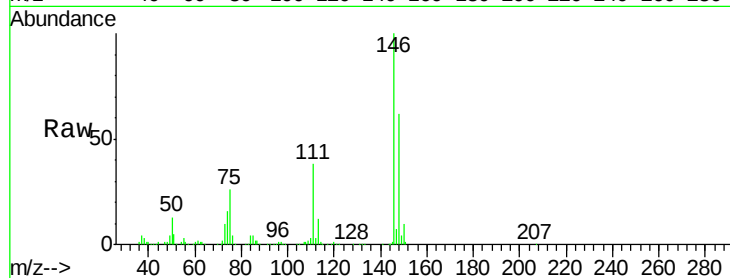
#91
1,2-Dichlorobenzene
Concen: 50.221 ug/l
RT: 13.90 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

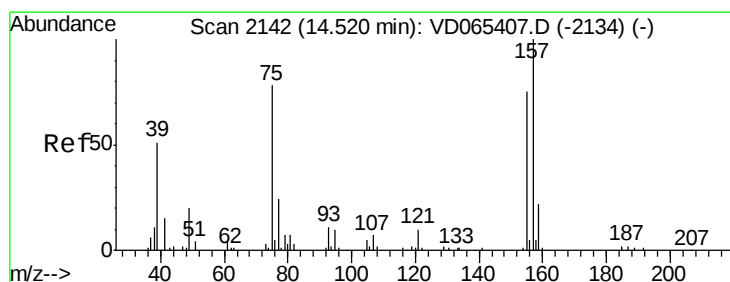
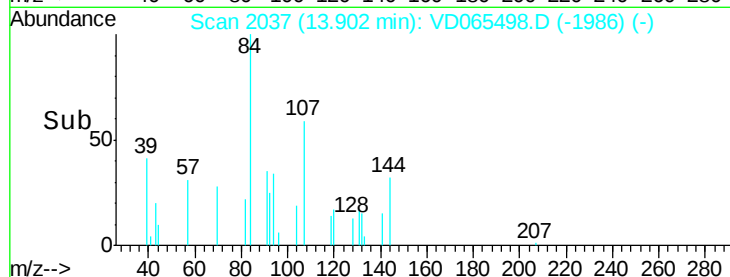
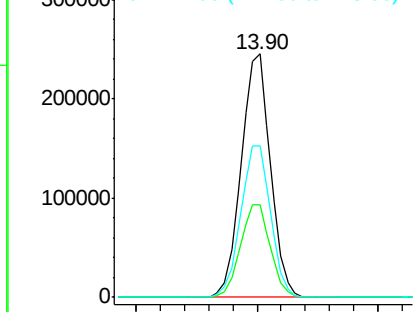
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	63.7	32.6	97.8

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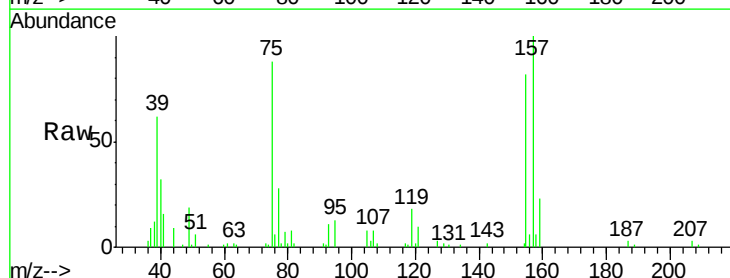


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

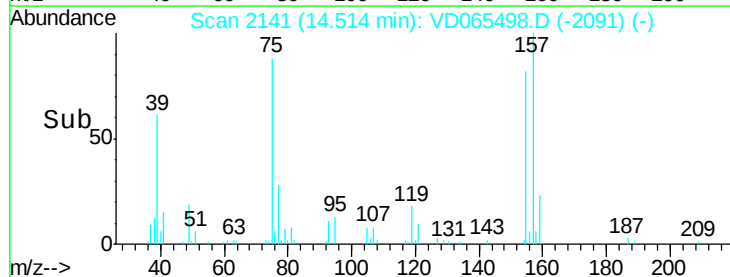
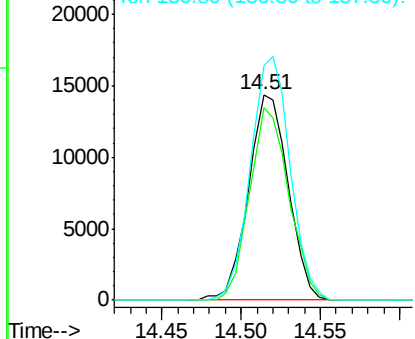


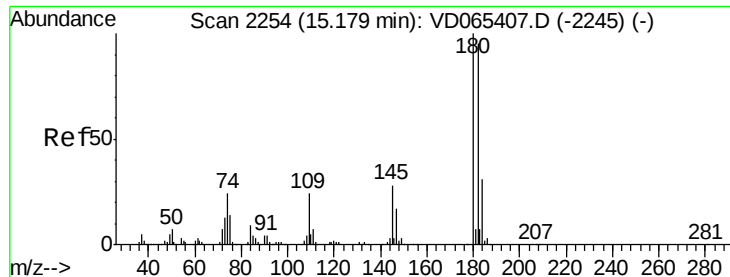
#92
1,2-Dibromo-3-Chloropropane
Concen: 46.225 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.01 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	46.4	139.1
157	117.8	60.2	180.4



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





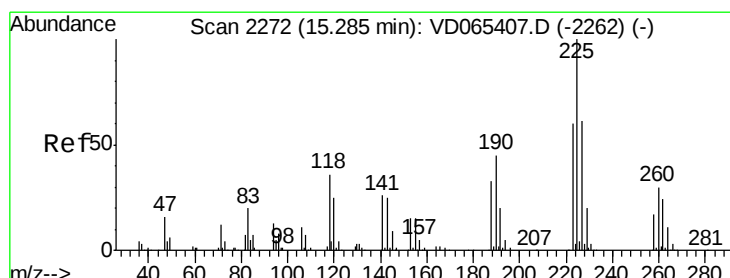
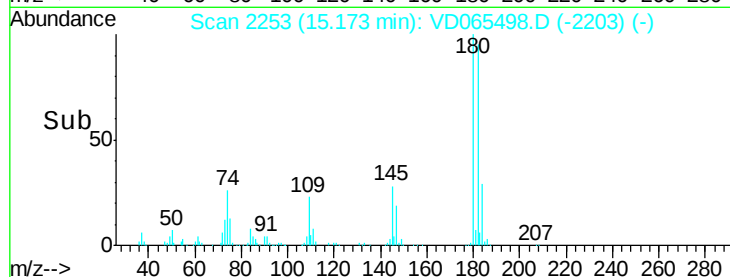
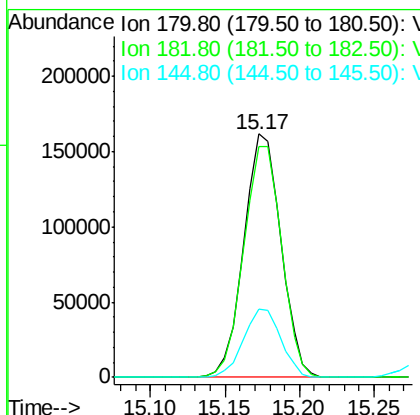
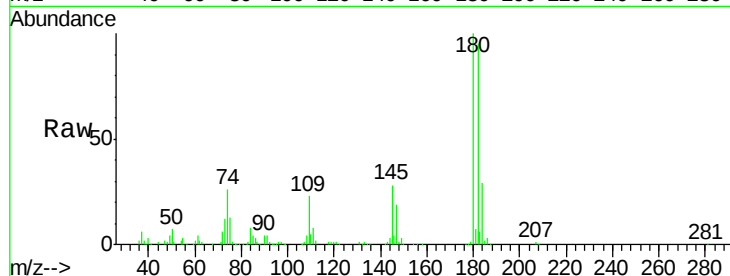
#93
 1,2,4-Trichlorobenzene
 Concen: 49.826 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278250		
182	96.6	48.3	144.9	
145	28.3	14.4	43.4	

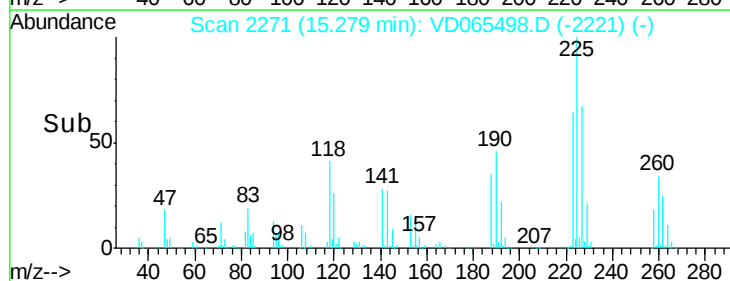
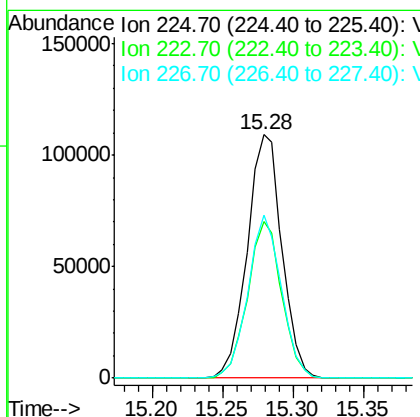
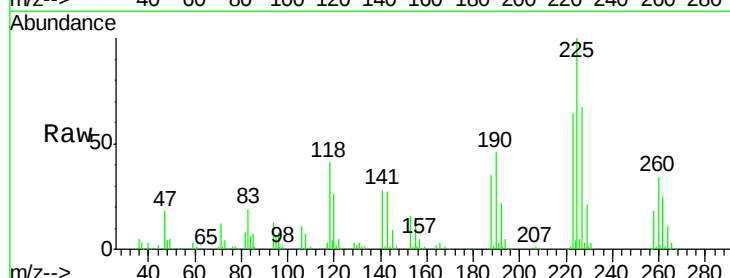
Manual Integrations
 APPROVED

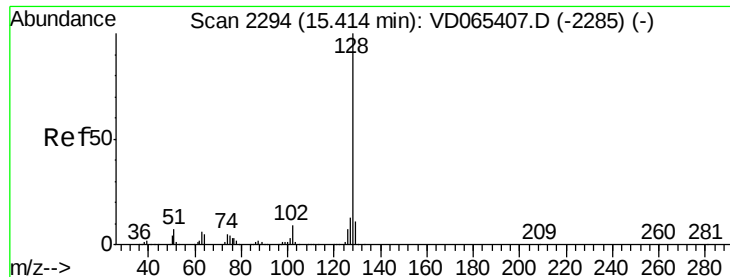
MMDadoda
 3/16/2020 2:05:25 PM



#94
 Hexachlorobutadiene
 Concen: 51.256 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065498.D
 Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	188076		
223	63.1	30.9	92.5	
227	64.5	31.6	94.7	





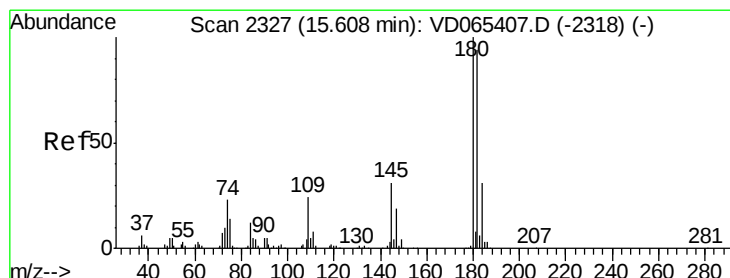
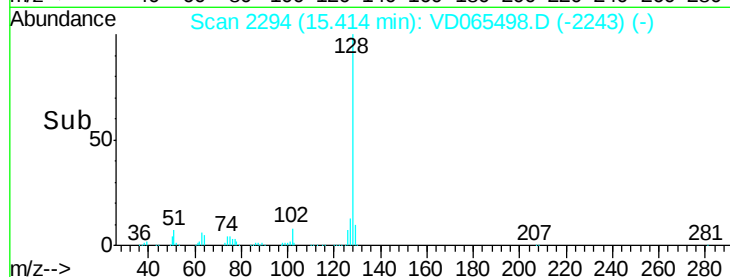
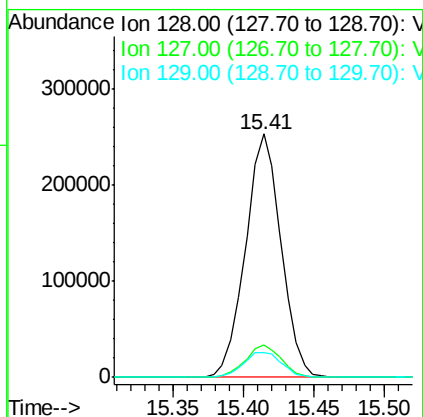
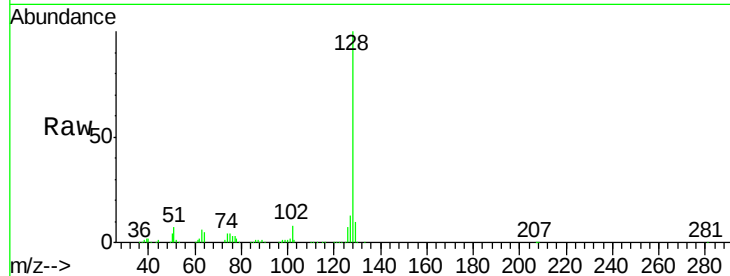
#95
Naphthalene
Concen: 45.385 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:05:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.595 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065498.D
Acq: 13 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	29.4	15.0	45.1

