

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065409.D
 Acq On : 04 Mar 2020 12:55
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:38 PM

Quant Time: Mar 04 16:29:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	508212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319175	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	624681	142.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.02%	
35) Dibromofluoromethane	7.92	113	651075	142.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.66%	
50) Toluene-d8	10.34	98	2557070	145.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.16%	
62) 4-Bromofluorobenzene	12.64	95	821740	149.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	549730	124.745	ug/l	99
3) Chloromethane	2.21	50	672967	127.482	ug/l	100
4) Vinyl Chloride	2.35	62	690657	132.313	ug/l	97
5) Bromomethane	2.74	94	401942	119.842	ug/l	96
6) Chloroethane	2.91	64	421556	132.325	ug/l	98
7) Trichlorofluoromethane	3.27	101	1003774	130.430	ug/l	100
8) Diethyl Ether	3.71	74	330457	143.806	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	650752	131.368	ug/l	99
10) Methyl Iodide	4.29	142	819549	160.236	ug/l	97
11) Tert butyl alcohol	5.26	59	204396	862.220	ug/l	97
12) 1,1-Dichloroethene	4.06	96	640803	135.196	ug/l	95
13) Acrolein	3.92	56	334219	772.769	ug/l	100
14) Allyl chloride	4.71	41	1056608	144.699	ug/l	99
15) Acrylonitrile	5.43	53	787450	780.035	ug/l	100
16) Acetone	4.17	43	658242	736.244	ug/l	99
17) Carbon Disulfide	4.40	76	2136274	135.009	ug/l	100
18) Methyl Acetate	4.72	43	344362	150.659	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1452742	157.685	ug/l	97
20) Methylene Chloride	4.96	84	682853	123.197	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	729267	137.934	ug/l	98
22) Diisopropyl ether	6.37	45	1999736	145.939	ug/l	96
23) Vinyl Acetate	6.31	43	6210331	817.244	ug/l	99
24) 1,1-Dichloroethane	6.27	63	1200419	137.922	ug/l	98
25) 2-Butanone	7.23	43	980997	802.002	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1037118	136.331	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	779589	143.786	ug/l	99
28) Bromochloromethane	7.55	49	505105	143.060	ug/l	99
29) Tetrahydrofuran	7.57	42	648225	824.961	ug/l	98
30) Chloroform	7.71	83	1187320	135.651	ug/l	97
31) Cyclohexane	7.99	56	1172053	135.326	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1083396	134.868	ug/l	98
36) 1,1-Dichloropropene	8.11	75	995922	140.371	ug/l	99
37) Ethyl Acetate	7.30	43	448155	161.386	ug/l	98
38) Carbon Tetrachloride	8.10	117	1003469	137.026	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1274406	150.332	ug/l	97
40) Benzene	8.36	78	2760578	138.804	ug/l	100
41) Methacrylonitrile	7.53	41	245751	174.149	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	743586	142.088	ug/l	100
43) Isopropyl Acetate	8.46	43	828842	163.096	ug/l	99
44) Trichloroethene	9.12	130	786771	140.918	ug/l	99
45) 1,2-Dichloropropane	9.39	63	683610	141.527	ug/l	97
46) Dibromomethane	9.48	93	364548	145.156	ug/l	98
47) Bromodichloromethane	9.67	83	929527	142.563	ug/l	96
48) Methyl methacrylate	9.46	41	391370	162.800	ug/l	99
49) 1,4-Dioxane	9.47	88	96171	3326.753	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	2139899	832.623	ug/l	99
52) Toluene	10.41	92	1779858	141.896	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	941633	153.492	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	1121000	151.304	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	515509	145.139	ug/l	99
56) Ethyl methacrylate	10.67	69	695442	172.701	ug/l	98
57) 1,3-Dichloropropane	10.95	76	893457	148.226	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	953567	666.104	ug/l	99
59) 2-Hexanone	10.99	43	1520564	853.458	ug/l	99
60) Dibromochloromethane	11.15	129	669098	146.299	ug/l	100
61) 1,2-Dibromoethane	11.25	107	507696	149.664	ug/l	98
64) Tetrachloroethene	10.88	164	663935	139.079	ug/l	100
65) Chlorobenzene	11.68	112	1849615	139.898	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	684211	141.747	ug/l	97
67) Ethyl Benzene	11.75	91	3335390	146.341	ug/l	99
68) m/p-Xylenes	11.86	106	2544885	289.630	ug/l	100
69) o-Xylene	12.19	106	1169303	151.300	ug/l	99
70) Styrene	12.20	104	2035245	149.292	ug/l	100
71) Bromoform	12.37	173	409370	150.341	ug/l #	99
73) Isopropylbenzene	12.48	105	3160993	150.794	ug/l	100
74) N-amyl acetate	12.30	43	755615	174.561	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	556354	149.612	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	391279m	88.760	ug/l	
77) Bromobenzene	12.77	156	763715	145.299	ug/l	99
78) n-propylbenzene	12.83	91	3662500	146.812	ug/l	100
79) 2-Chlorotoluene	12.91	91	2044719	145.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2527048	146.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	200475	167.600	ug/l	99
82) 4-Chlorotoluene	13.01	91	2118440	143.172	ug/l	99
83) tert-Butylbenzene	13.23	119	2173285	149.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	2518773	147.848	ug/l	99
85) sec-Butylbenzene	13.41	105	3069961	147.618	ug/l	99
86) p-Isopropyltoluene	13.53	119	2827829	148.957	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1401574	139.618	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	1396055	139.407	ug/l	99
89) n-Butylbenzene	13.86	91	2614892	149.256	ug/l	98
90) Hexachloroethane	14.12	117	553567	141.213	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	1223665	142.192	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	87846	153.900	ug/l	96

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Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	899409	155.365	ug/l	99
94) Hexachlorobutadiene	15.28	225	539796	142.546	ug/l	99
95) Naphthalene	15.41	128	1682128	180.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	784456	156.008	ug/l	99

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

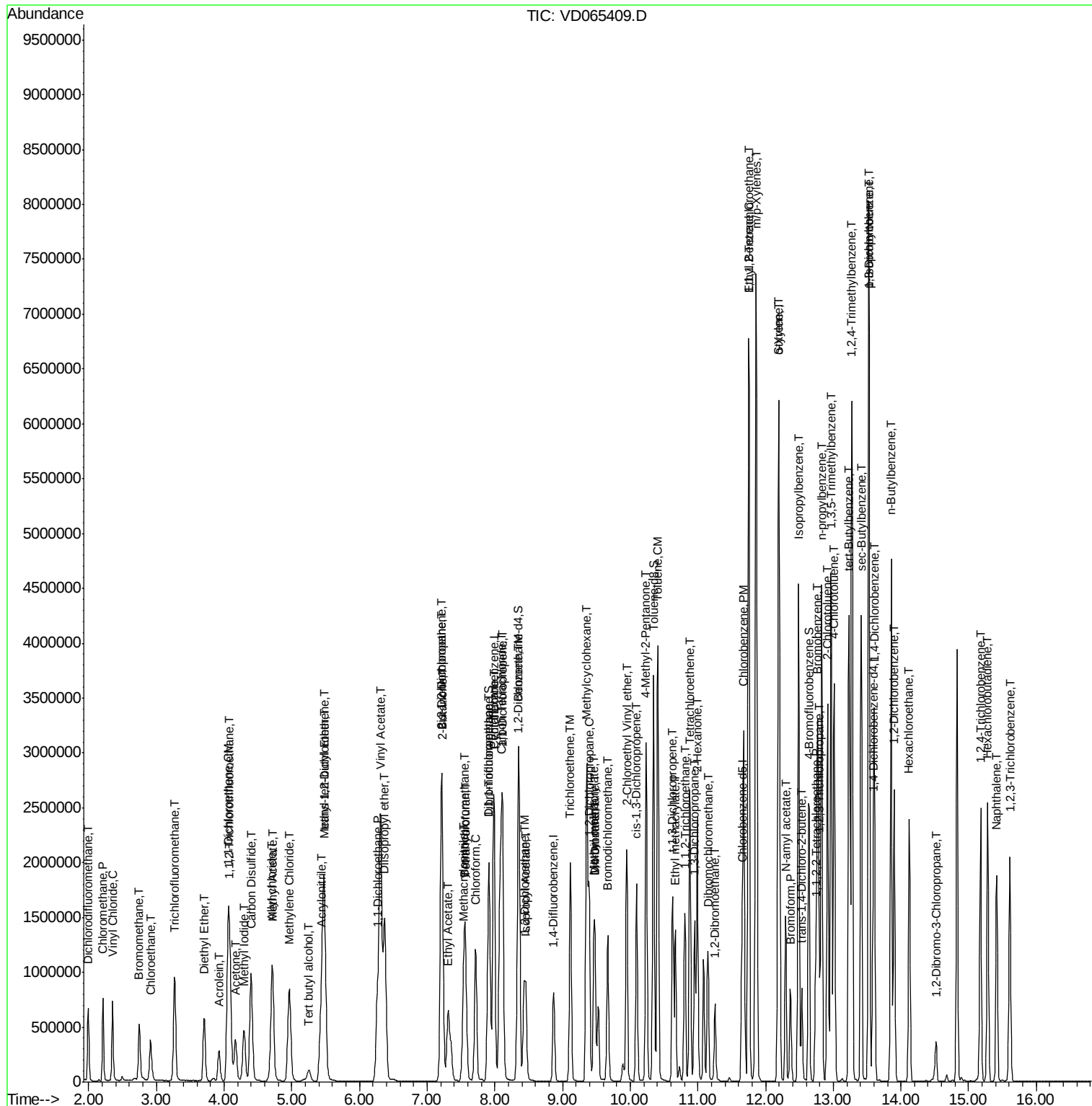
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030420\
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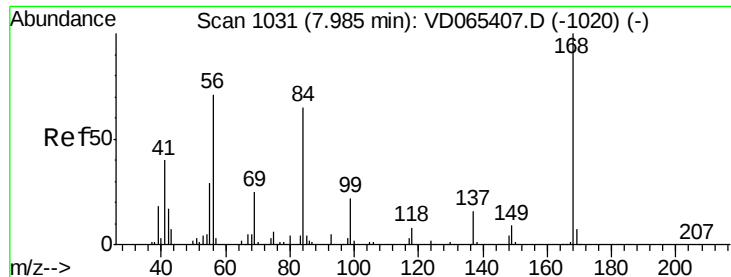
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 508212

Ion Ratio Lower Upper

168 100

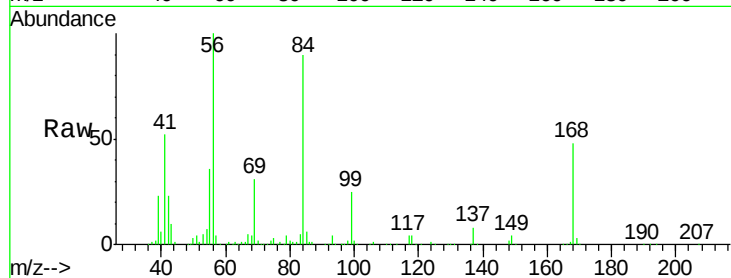
99 51.1 41.5 62.3

Manual Integrations

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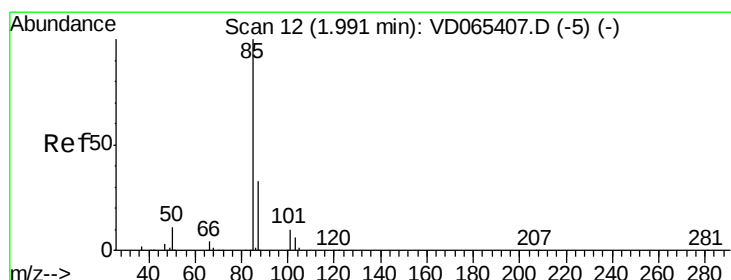
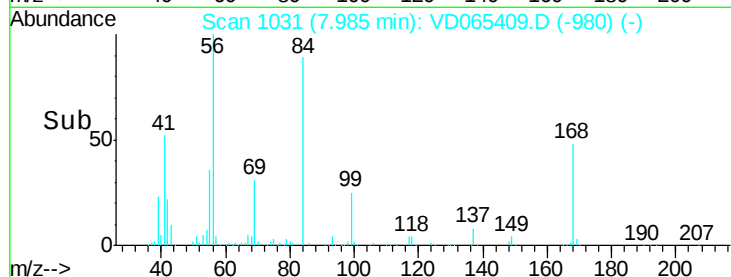
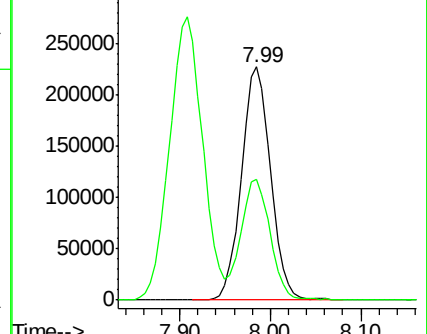
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 124.745 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065409.D

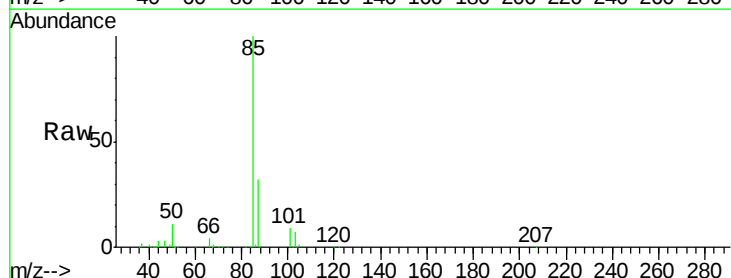
Acq: 04 Mar 2020 12:55

Tgt Ion: 85 Resp: 549730

Ion Ratio Lower Upper

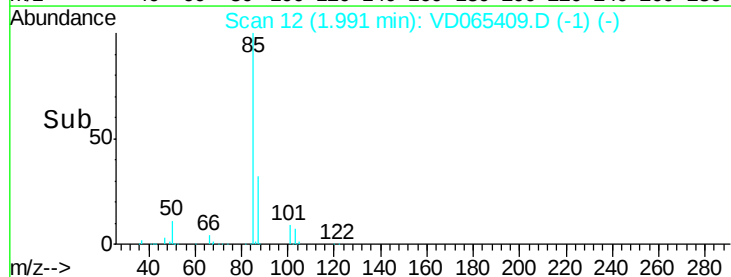
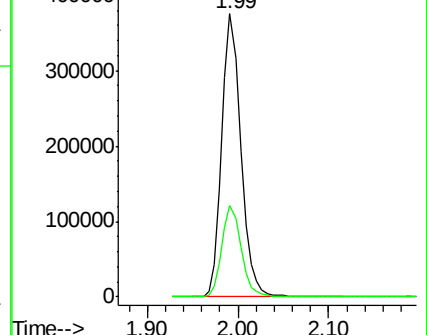
85 100

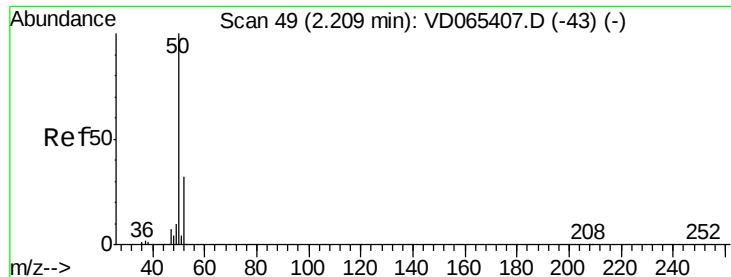
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 127.482 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 672967

Ion Ratio Lower Upper

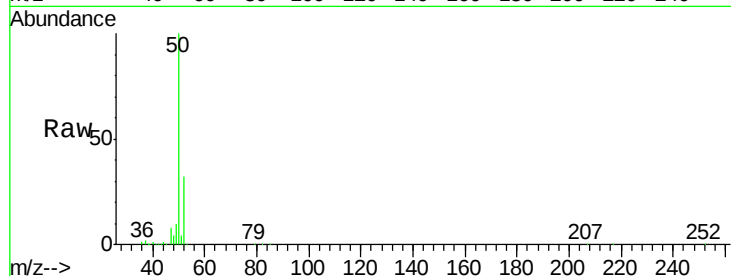
50 100

52 32.2 25.8 38.8

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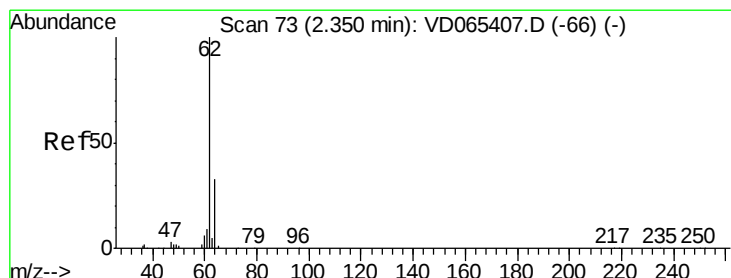
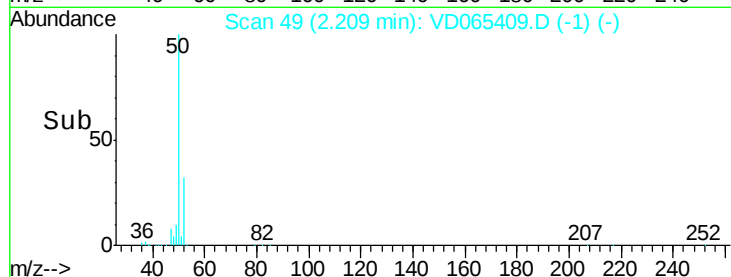
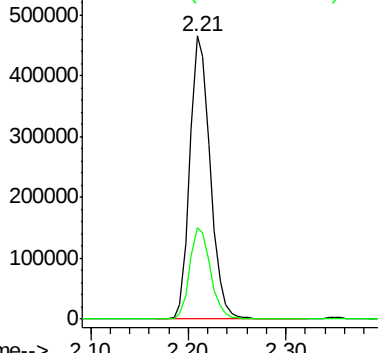
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 132.313 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065409.D

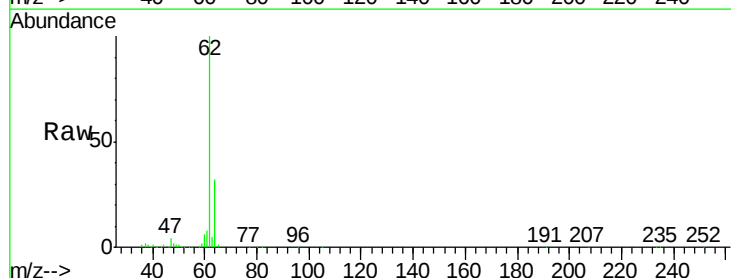
Acq: 04 Mar 2020 12:55

Tgt Ion: 62 Resp: 690657

Ion Ratio Lower Upper

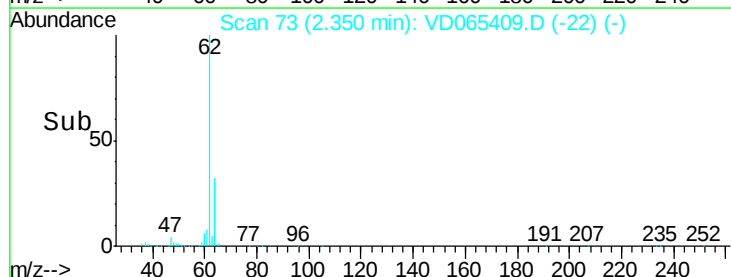
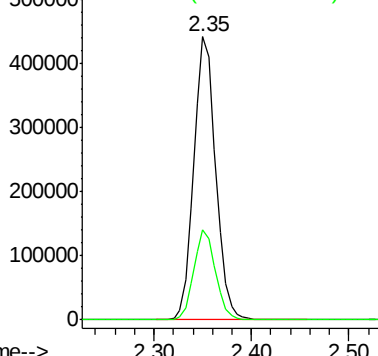
62 100

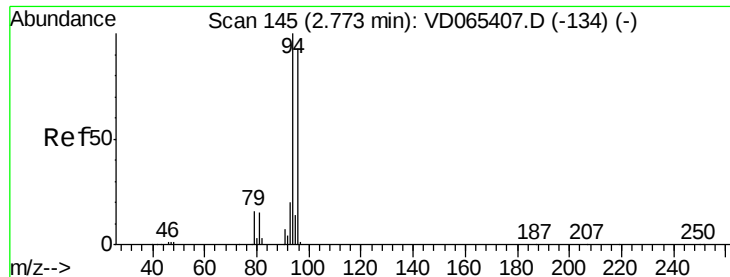
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 119.842 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 401942

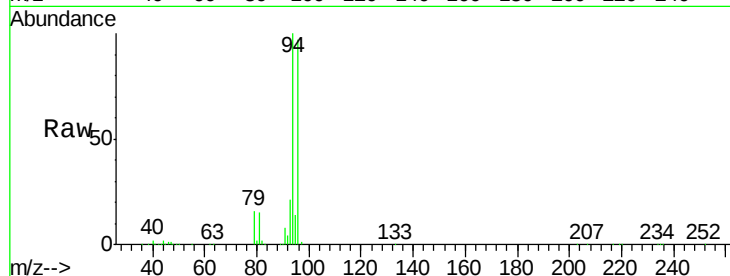
Ion Ratio Lower Upper

94 100

96 96.4 74.4 111.6

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

Ion 95.90 (95.60 to 96.60): VDC

2.74

200000

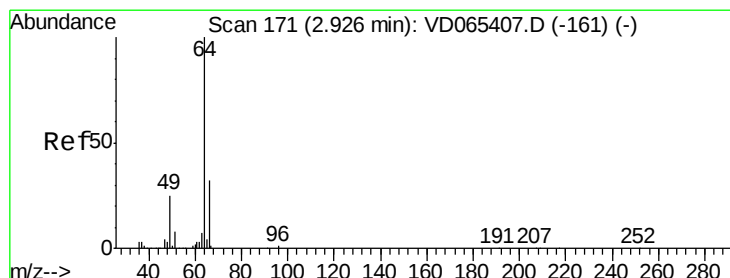
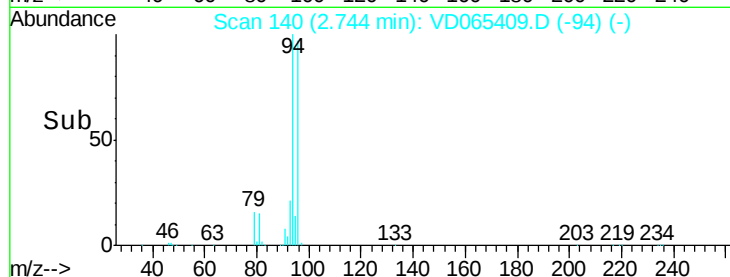
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 132.325 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065409.D

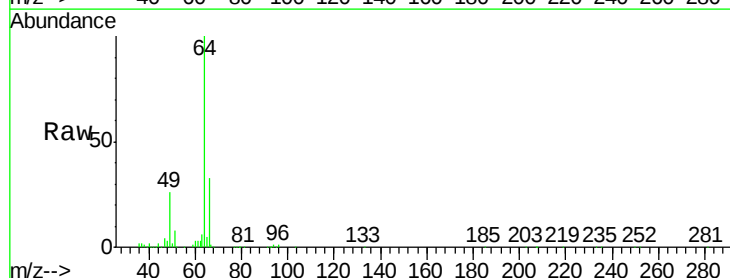
Acq: 04 Mar 2020 12:55

Tgt Ion: 64 Resp: 421556

Ion Ratio Lower Upper

64 100

66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

200000

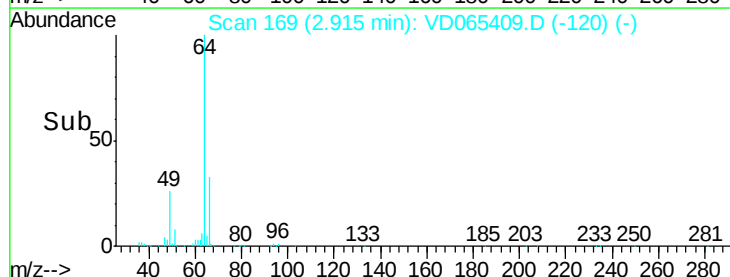
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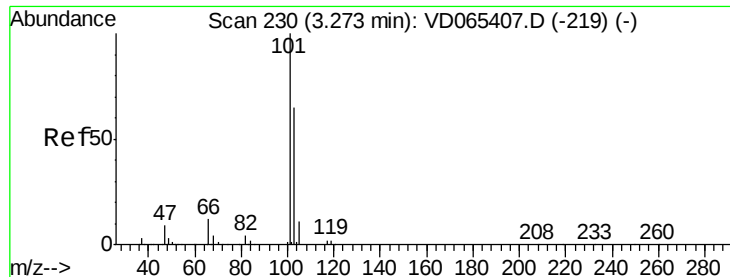
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Time-->





#7

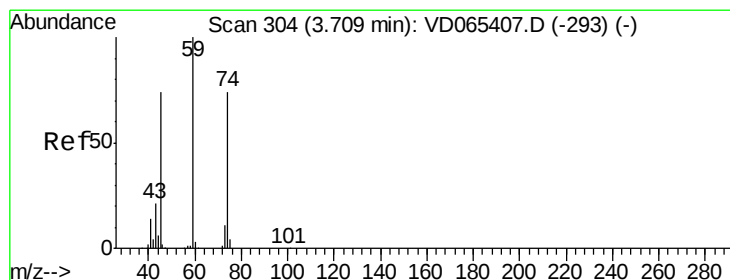
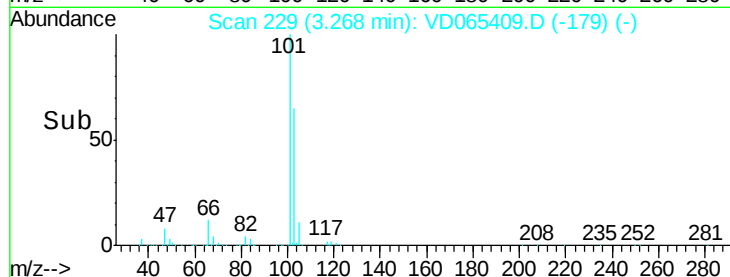
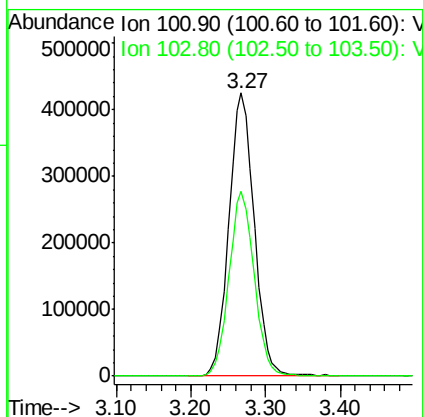
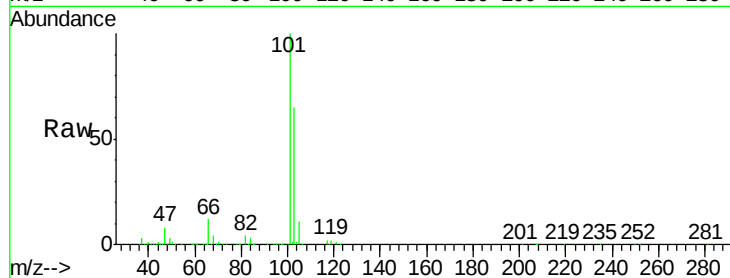
Trichlorofluoromethane
Concen: 130.430 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.1	52.1	78.1	

Manual Integrations
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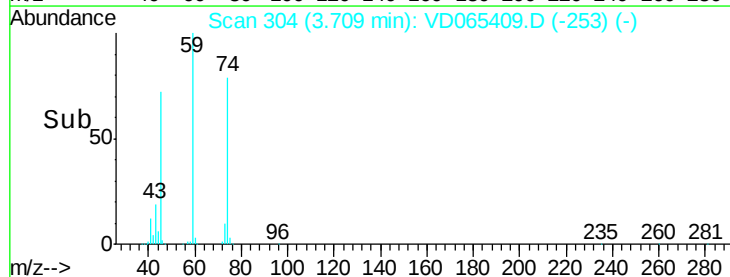
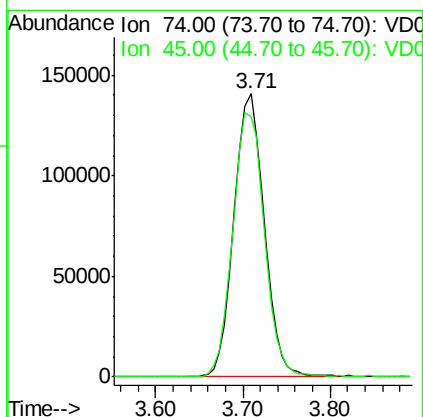
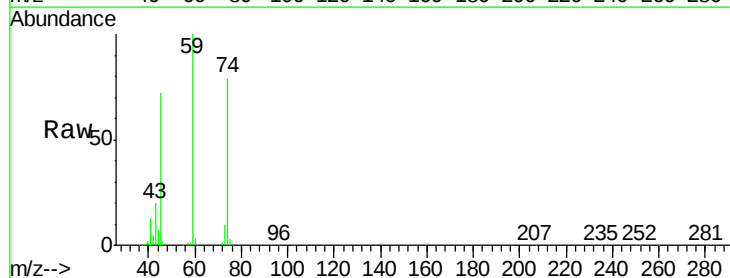
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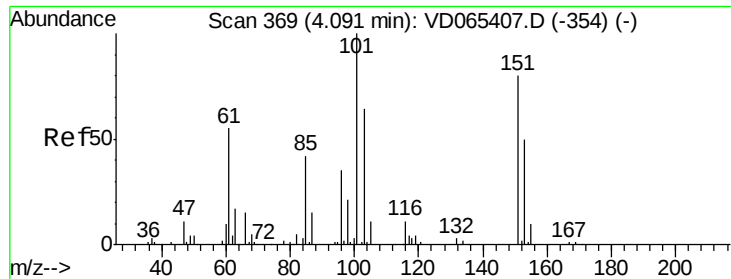


#8

Diethyl Ether
Concen: 143.806 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	96.8	49.5	148.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.368 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

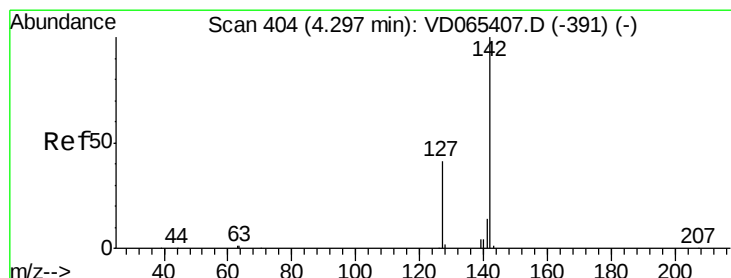
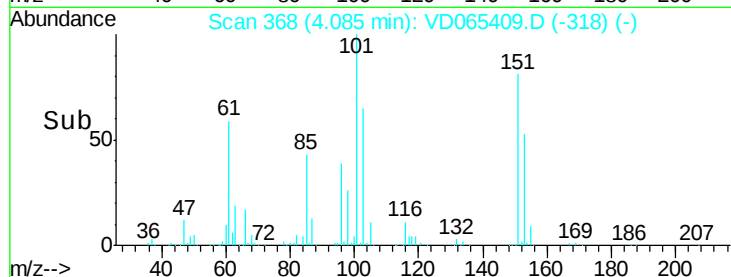
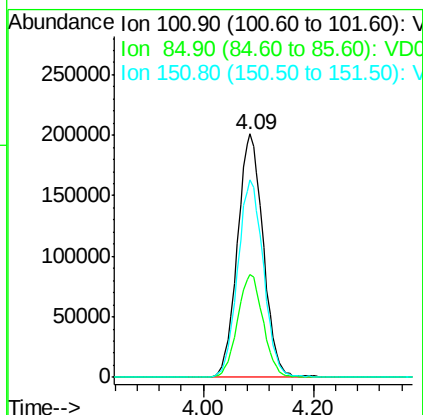
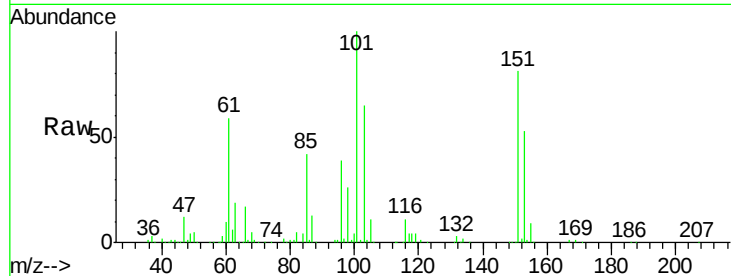
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	650752
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	81.0	65.1	97.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 160.236 ug/l

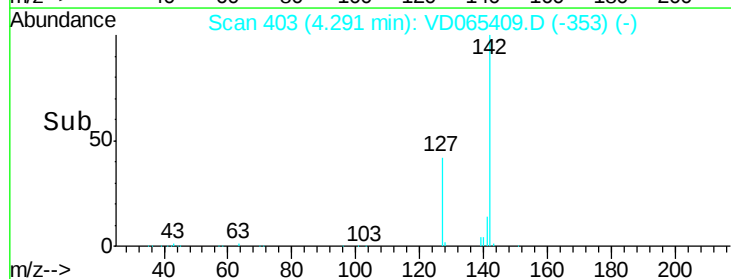
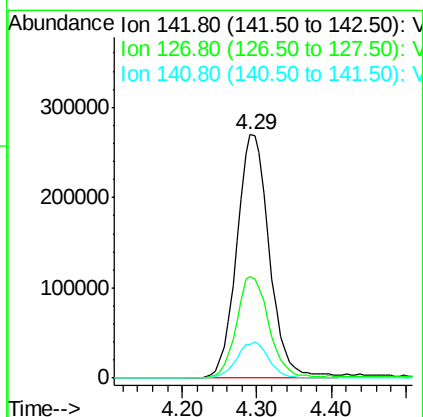
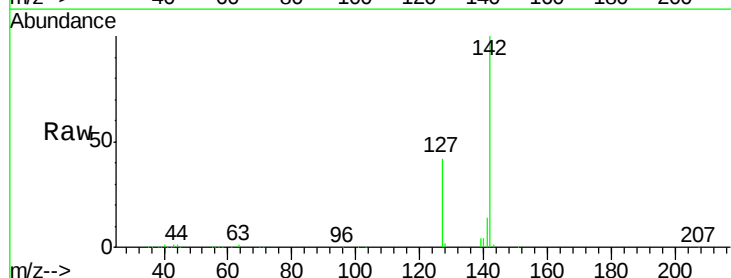
RT: 4.29 min Scan# 403

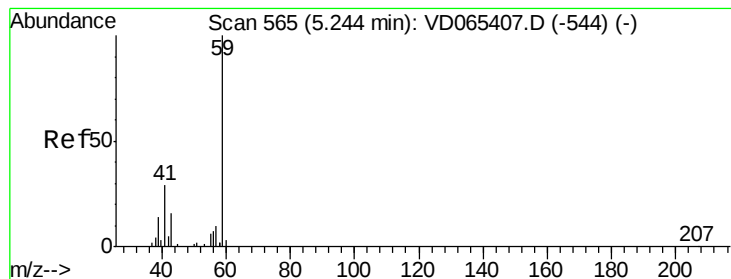
Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	142	Resp:	819549
Ion Ratio	Lower	Upper	
142	100		
127	41.4	35.0	52.6
141	14.7	12.4	18.6





#11

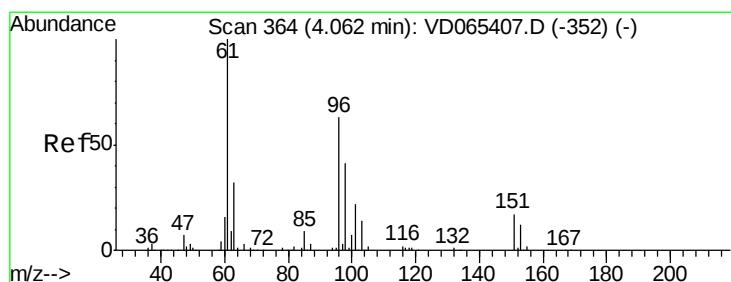
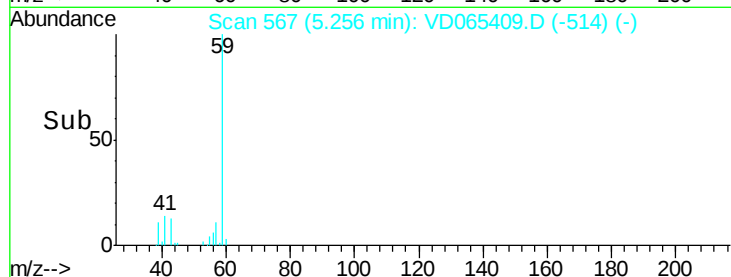
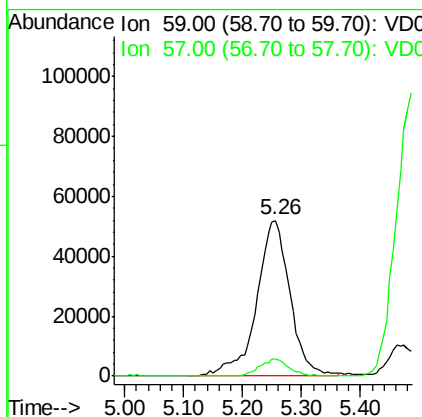
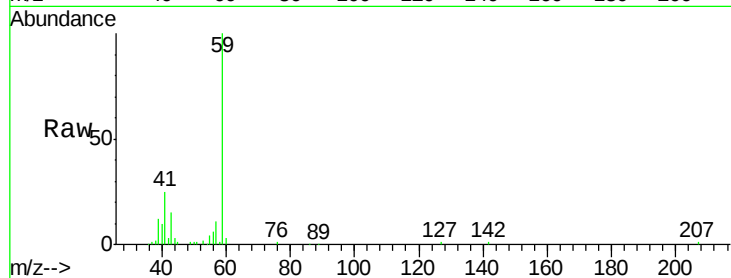
Tert butyl alcohol
Concen: 862.220 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	204396		
57	9.8	6.9	10.3	

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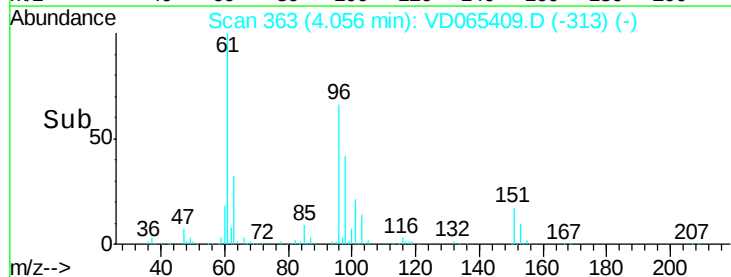
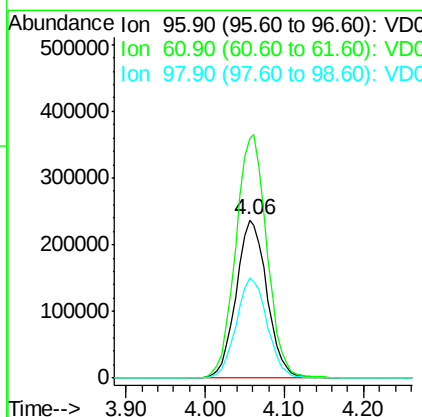
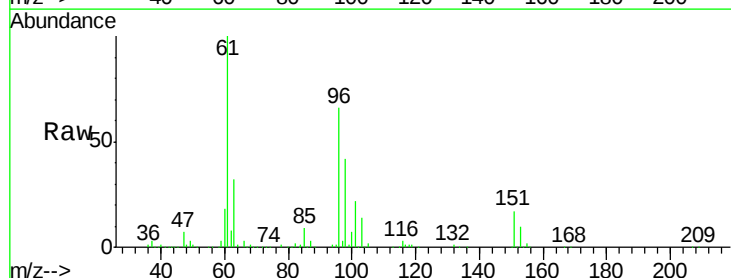
MMDadoda
3/5/2020 1:38:38 PM

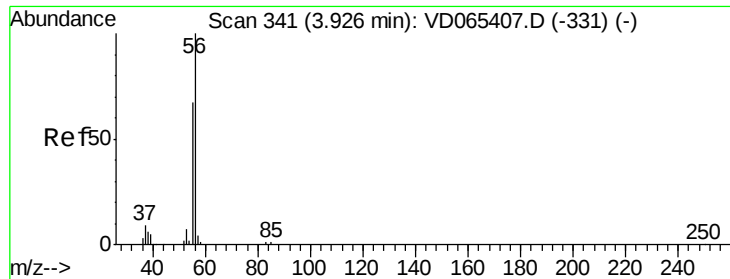


#12

1,1-Dichloroethene
Concen: 135.196 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	640803		
61	151.4	128.0	192.0	
98	63.3	51.9	77.9	





#13

Acrolein

Concen: 772.769 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 334219

Ion Ratio Lower Upper

56 100

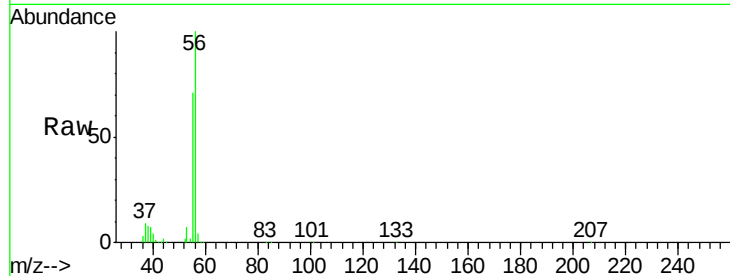
55 70.4 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

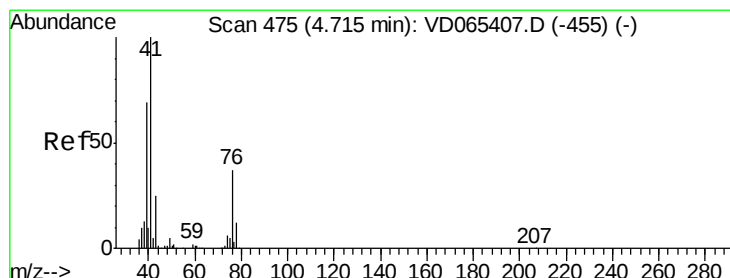
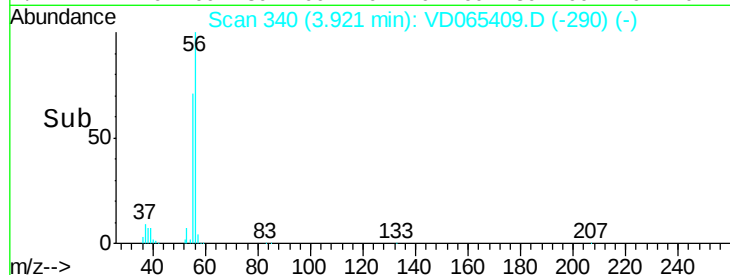
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 144.699 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

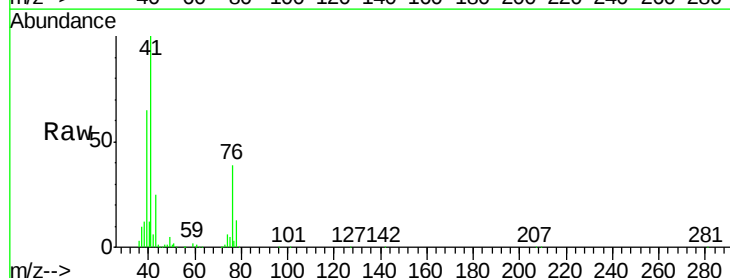
Tgt Ion: 41 Resp: 1056608

Ion Ratio Lower Upper

41 100

39 64.2 52.6 79.0

76 36.4 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

400000

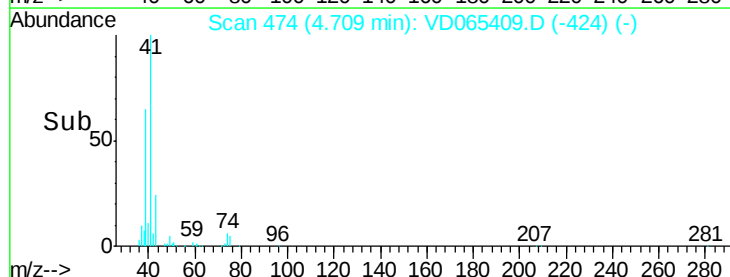
300000

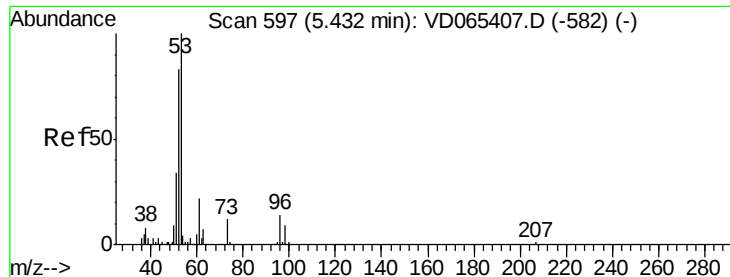
200000

100000

0

Time-->





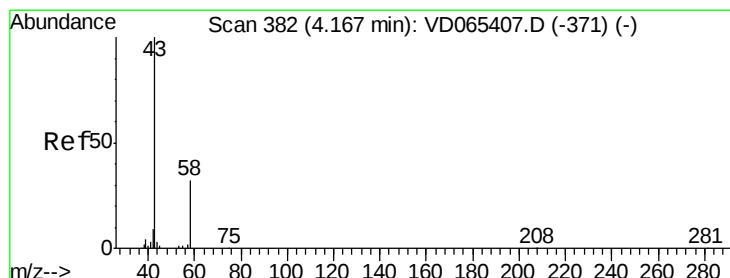
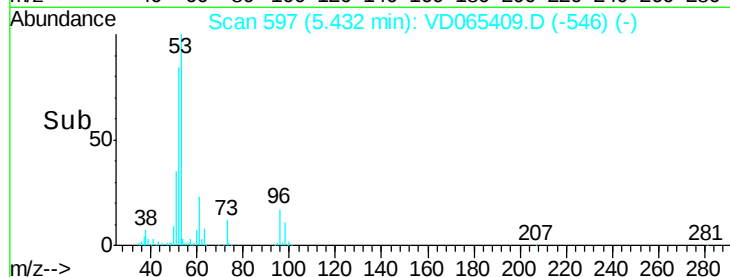
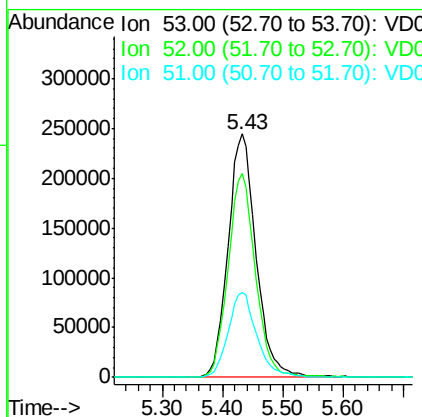
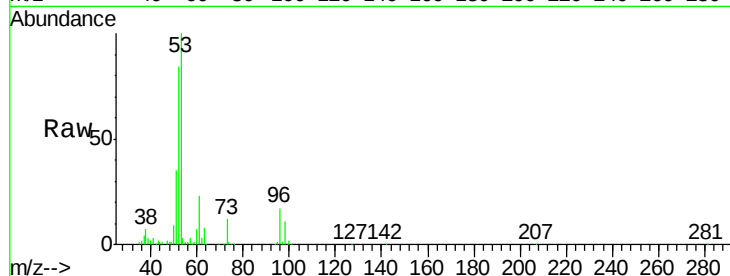
#15
 Acrylonitrile
 Concen: 780.035 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	53	Resp:	787450
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.1	97.7
51	35.7	28.5	42.7

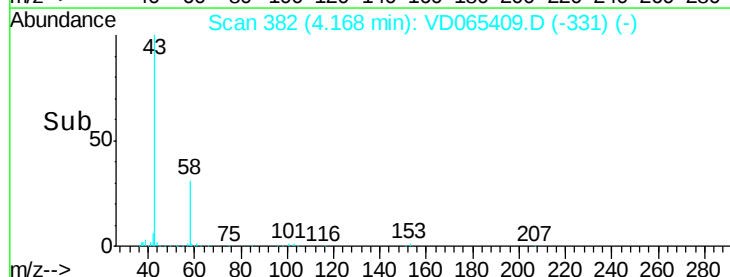
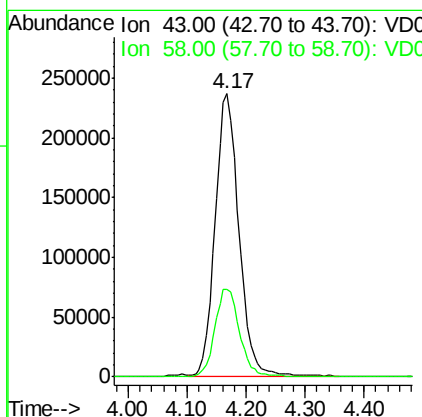
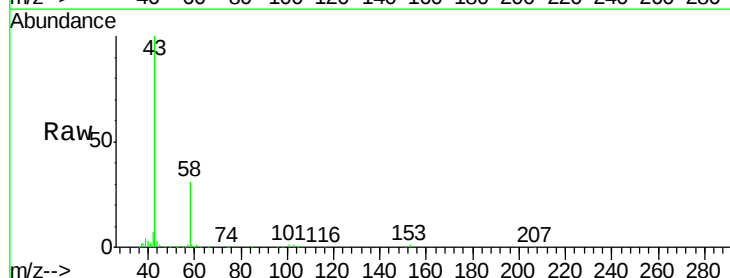
Manual Integrations
 APPROVED

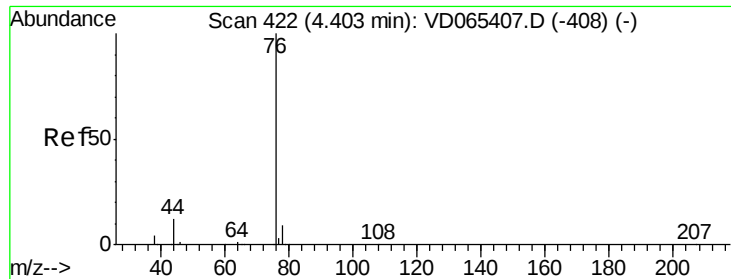
MMDadoda
 3/5/2020 1:38:38 PM



#16
 Acetone
 Concen: 736.244 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion:	43	Resp:	658242
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.1	37.7





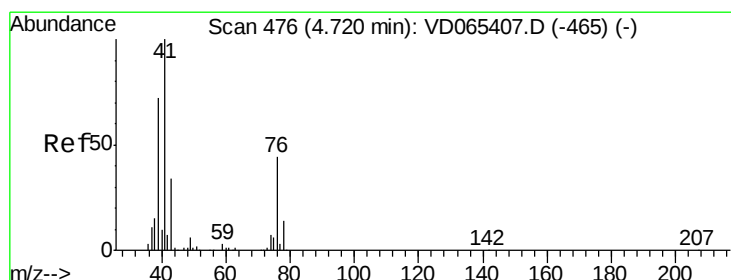
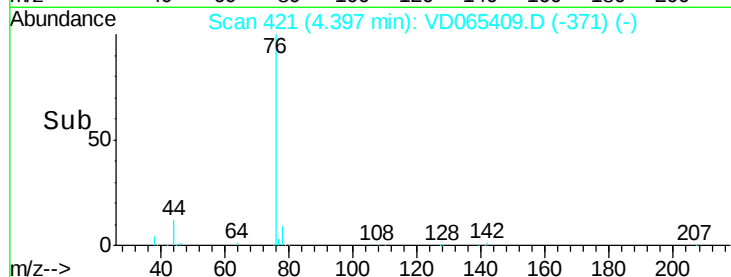
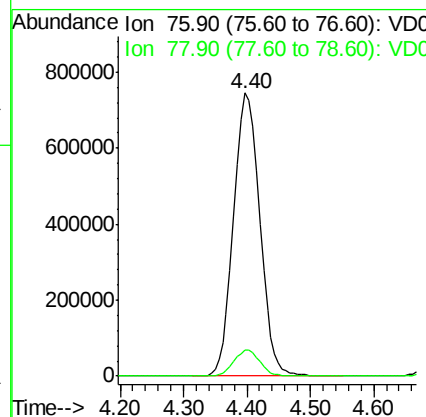
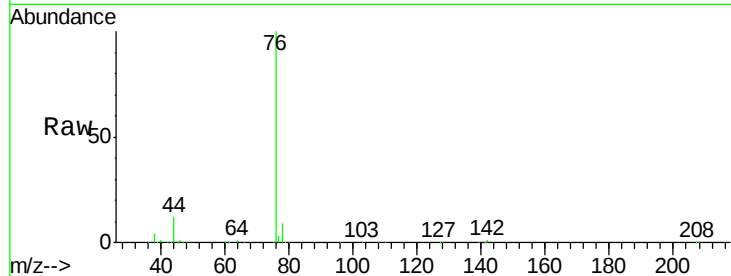
#17
Carbon Disulfide
Concen: 135.009 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2136274
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

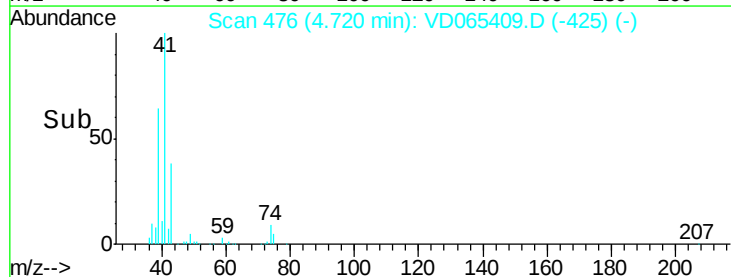
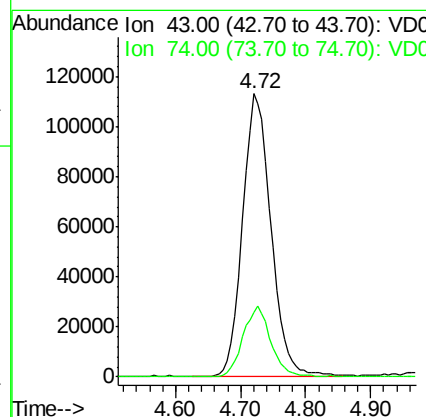
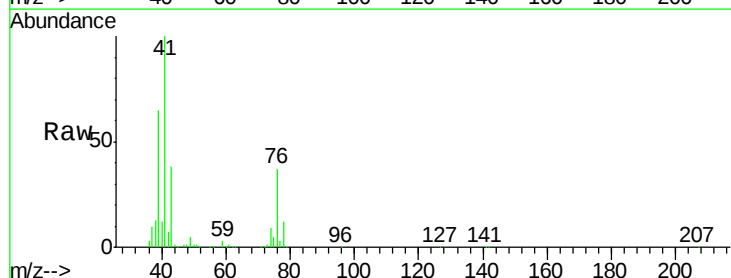
Manual Integrations
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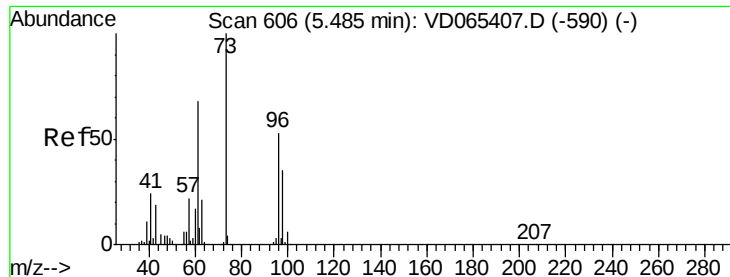
MMDadoda
3/5/2020 1:38:38 PM



#18
Methyl Acetate
Concen: 150.659 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 43 Resp: 344362
Ion Ratio Lower Upper
43 100
74 24.3 19.6 29.4





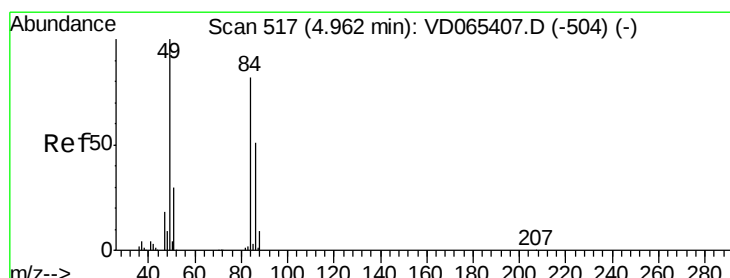
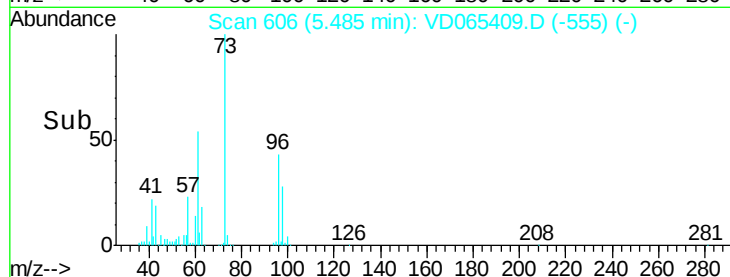
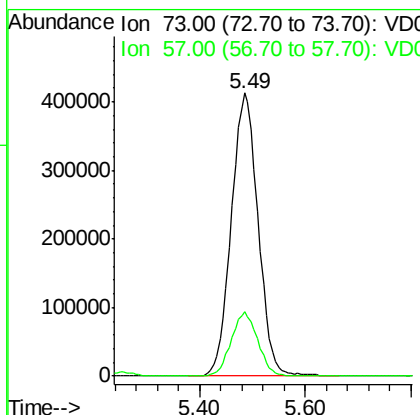
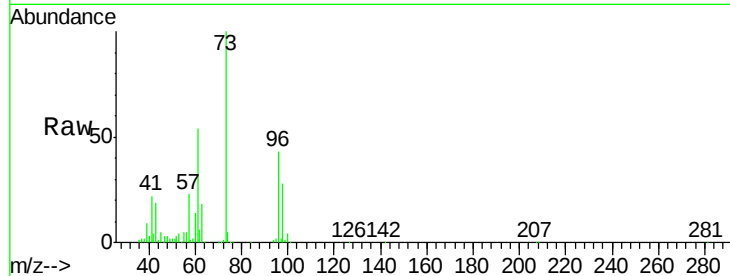
#19
Methvl tert-butvl Ether
Concen: 157.685 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 73 Resp: 1452742
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

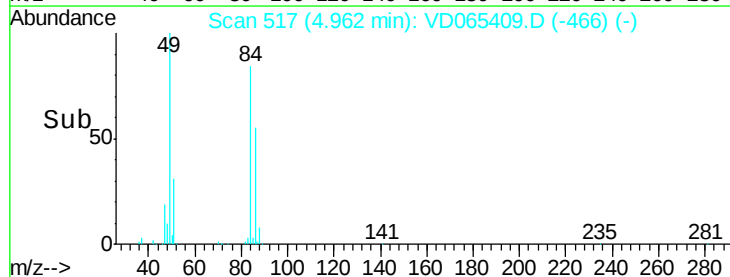
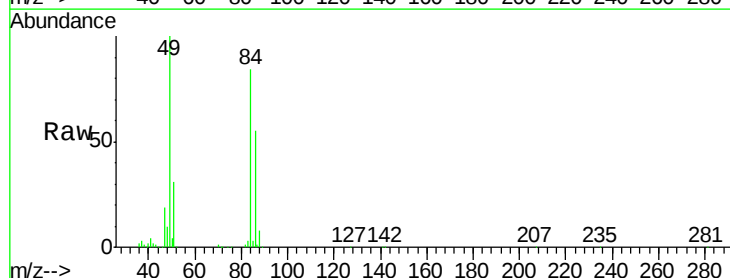
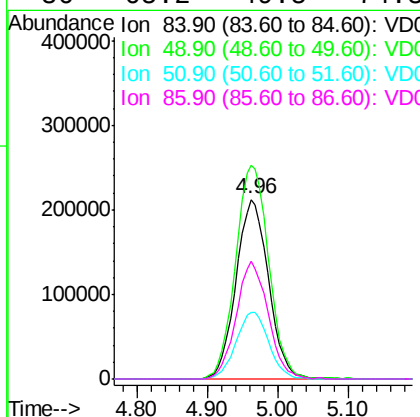
Manual Integrations
APPROVED

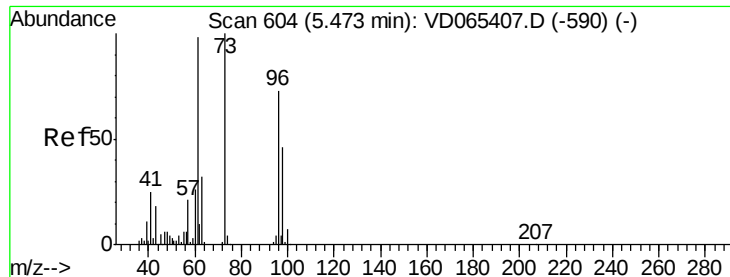
MMDadoda
3/5/2020 1:38:38 PM



#20
Methylene Chloride
Concen: 123.197 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 84 Resp: 682853
Ion Ratio Lower Upper
84 100
49 118.9 97.7 146.5
51 37.4 28.8 43.2
86 65.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 137.934 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

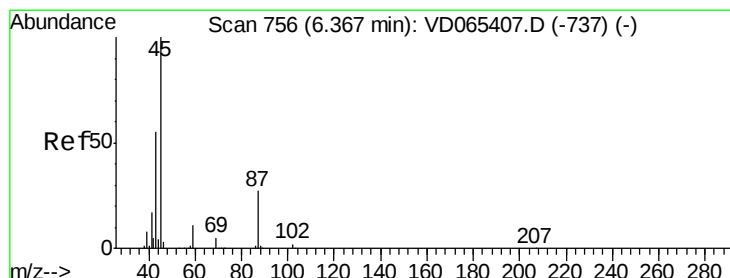
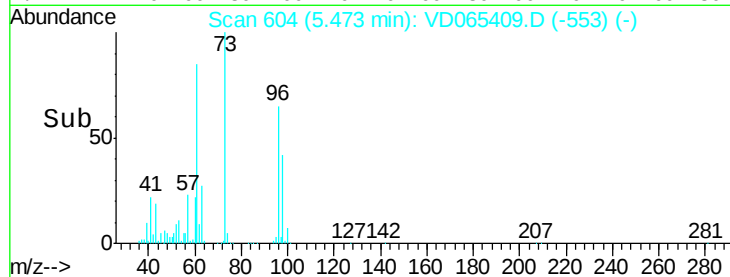
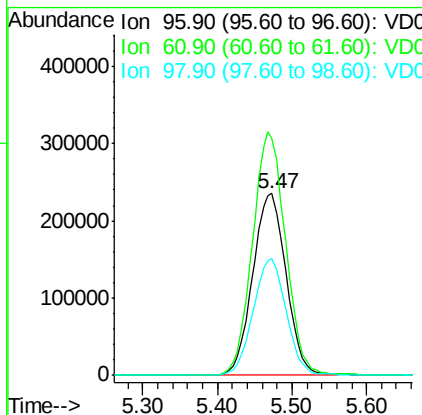
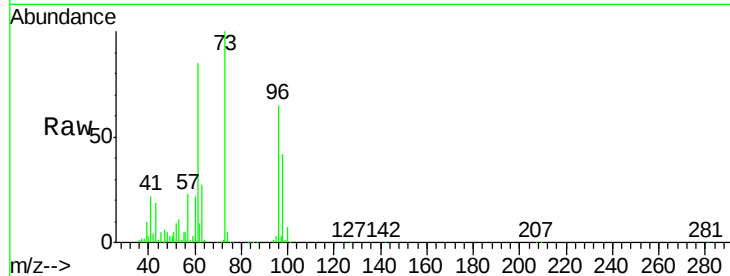
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	729267
Ion	Ratio	Lower	Upper
96	100		
61	130.5	106.3	159.5
98	64.3	50.2	75.4

Manual Integrations
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MMDadoda
3/5/2020 1:38:38 PM



#22

Diisopropyl ether

Concen: 145.939 ug/l

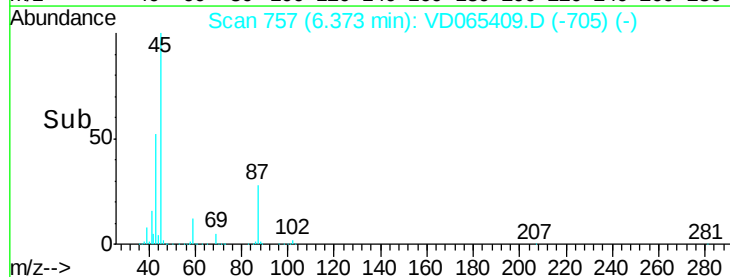
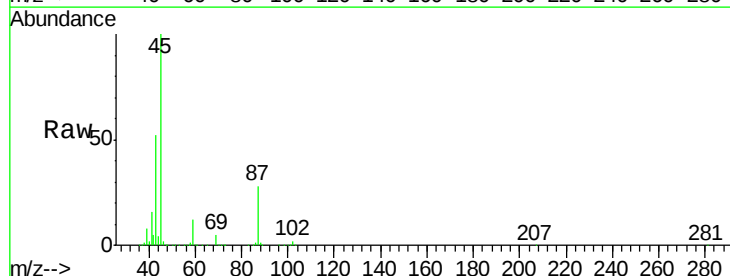
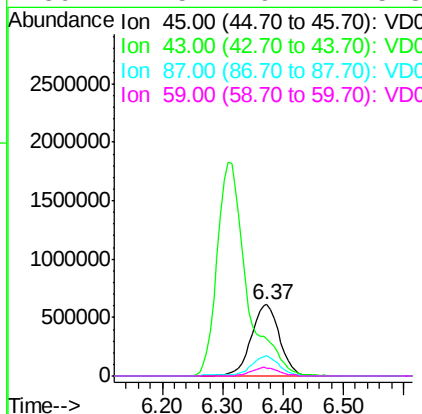
RT: 6.37 min Scan# 757

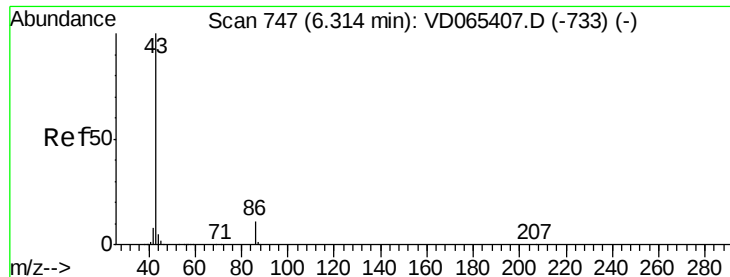
Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	45	Resp:	1999736
Ion	Ratio	Lower	Upper
45	100		
43	51.5	44.4	66.6
87	27.9	21.9	32.9
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 817.244 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6210331

Ion Ratio Lower Upper

43 100

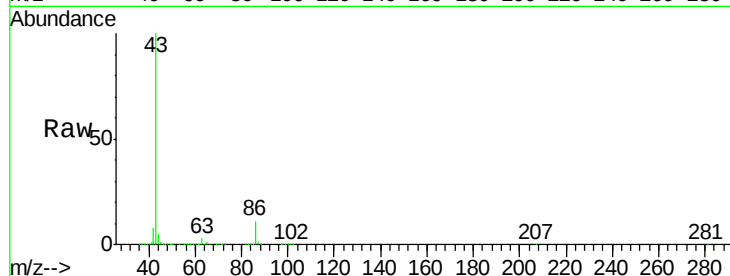
86 10.6 8.9 13.3

Manual Integrations

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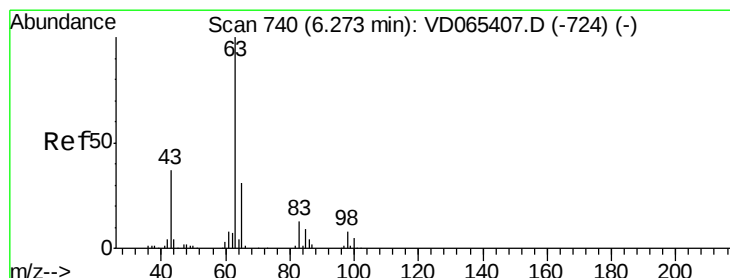
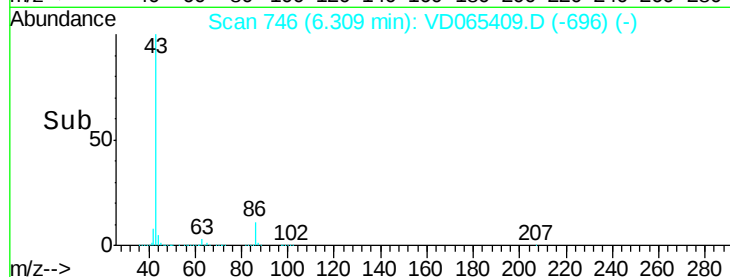
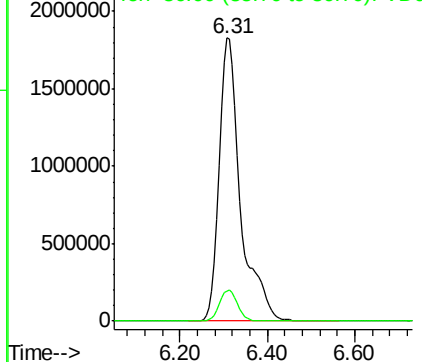
MMDadoda

3/5/2020 1:38:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 137.922 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

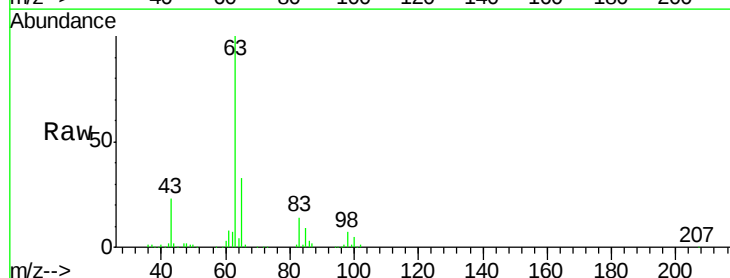
Tgt Ion: 63 Resp: 1200419

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

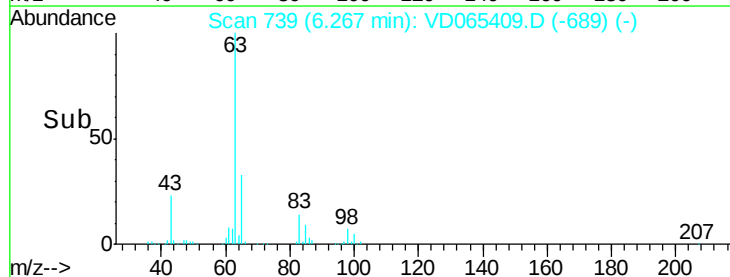
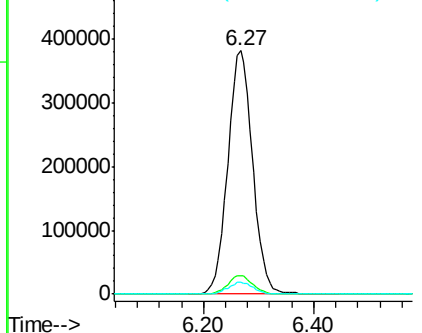
100 4.7 2.4 7.2

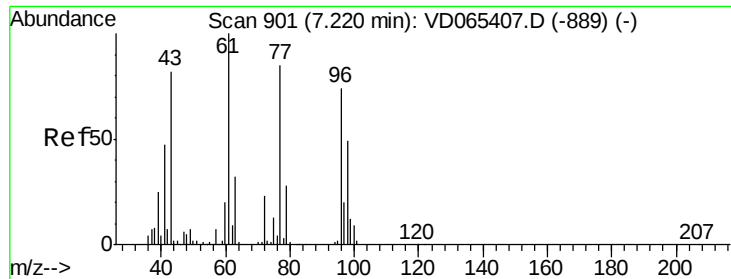


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 802.002 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 980997

Ion Ratio Lower Upper

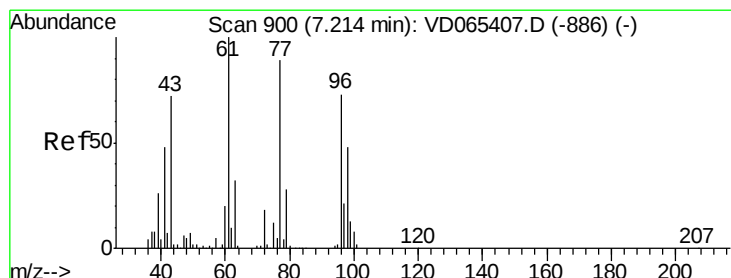
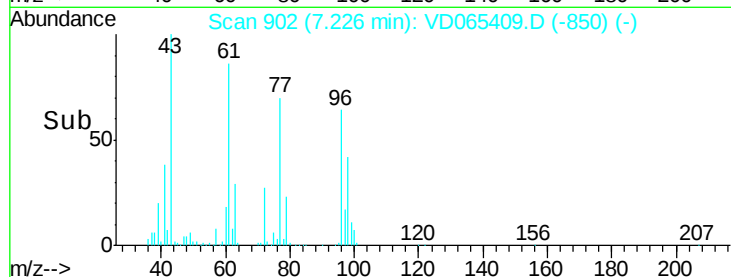
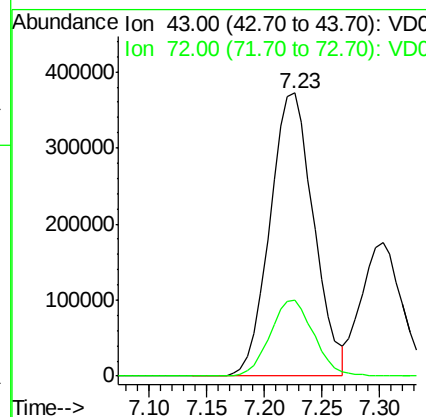
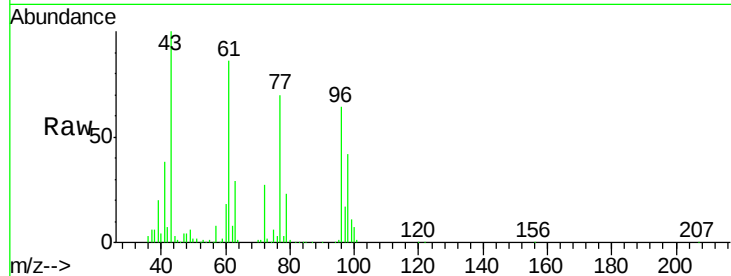
43 100

72 27.1 22.3 33.5

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#26

2,2-Dichloropropane

Concen: 136.331 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065409.D

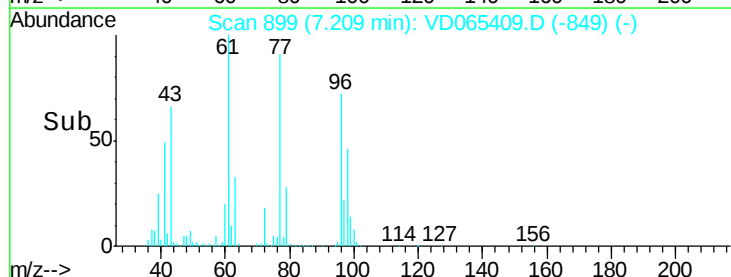
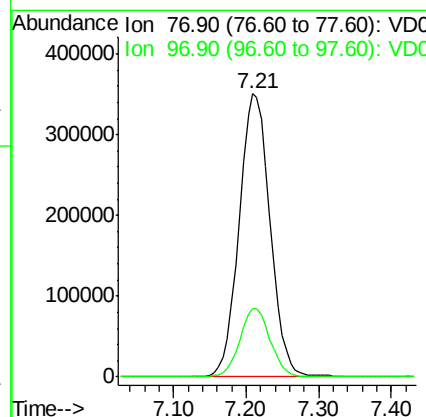
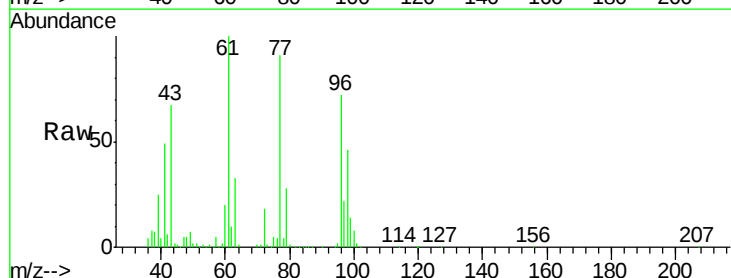
Acq: 04 Mar 2020 12:55

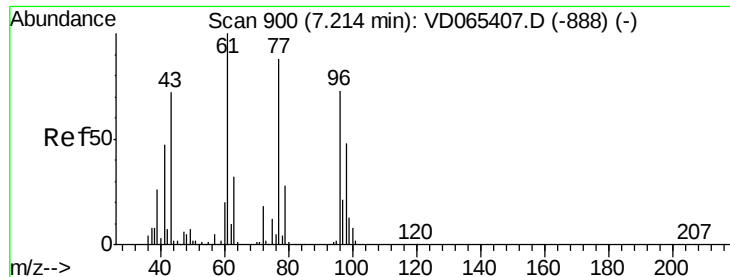
Tgt Ion: 77 Resp: 1037118

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4





#27

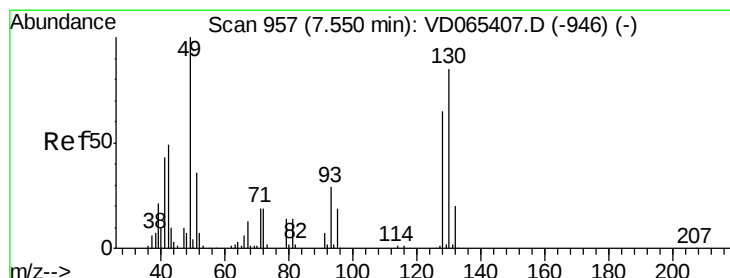
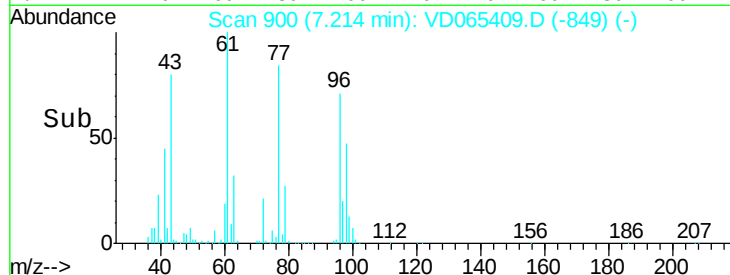
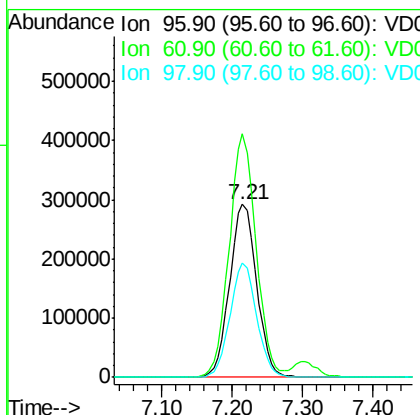
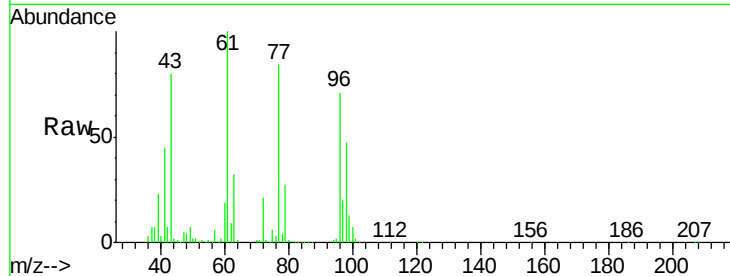
cis-1,2-Dichloroethene
 Concen: 143.786 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	779589		
61	139.3		0.0	280.4
98	65.0		0.0	132.6

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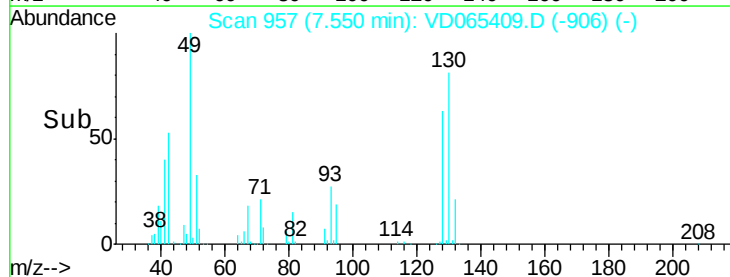
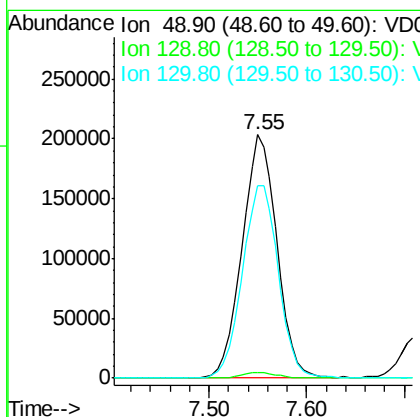
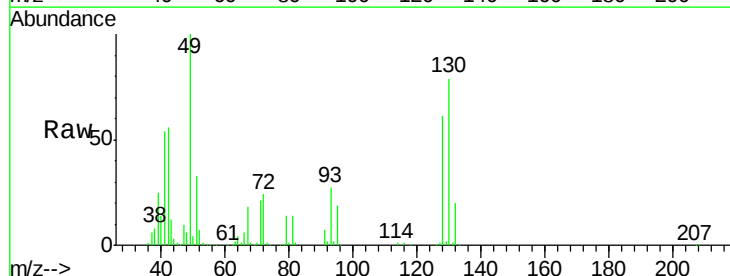
MMDadoda
 3/5/2020 1:38:38 PM

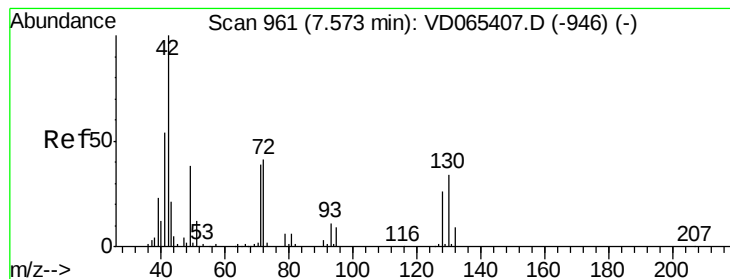


#28

Bromochloromethane
 Concen: 143.060 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	505105		
129	2.3		0.0	4.6
130	82.0		66.6	100.0





#29

Tetrahydrofuran

Concen: 824.961 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

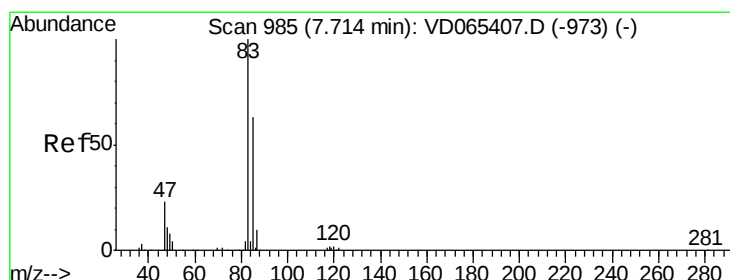
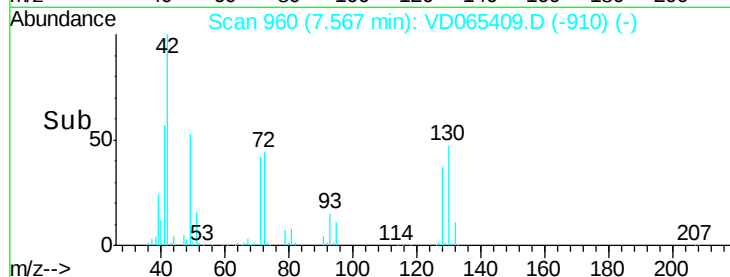
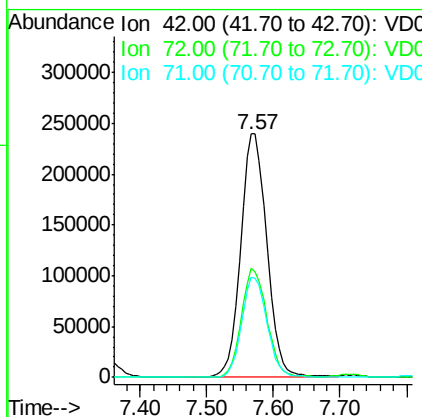
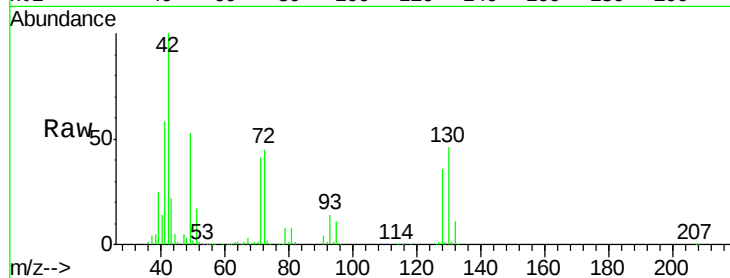
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	648225
Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.0	49.6
71	39.8	32.0	48.0

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#30

Chloroform

Concen: 135.651 ug/l

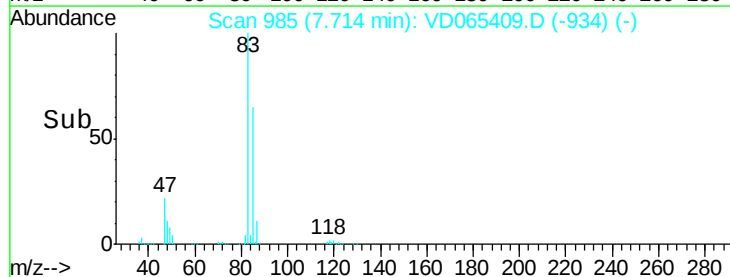
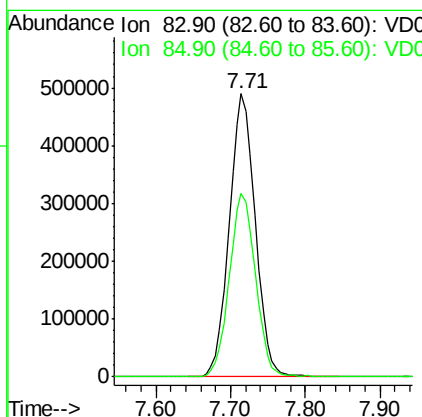
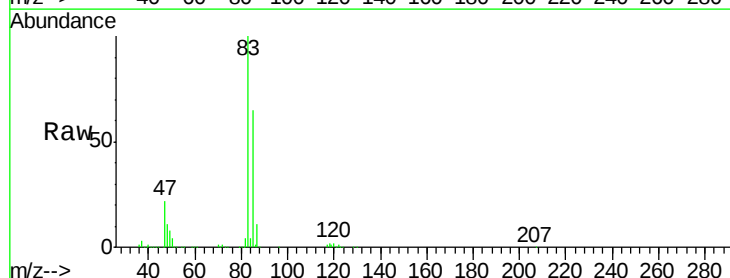
RT: 7.71 min Scan# 985

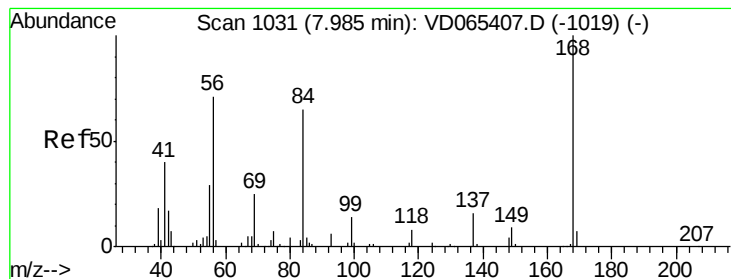
Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	83	Resp:	1187320
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5





#31

Cyclohexane

Concen: 135.326 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 1172053

Ion Ratio Lower Upper

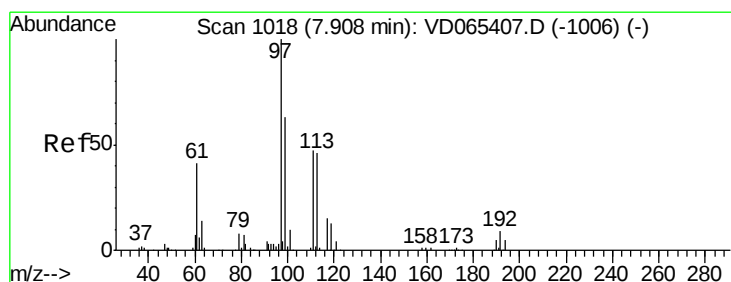
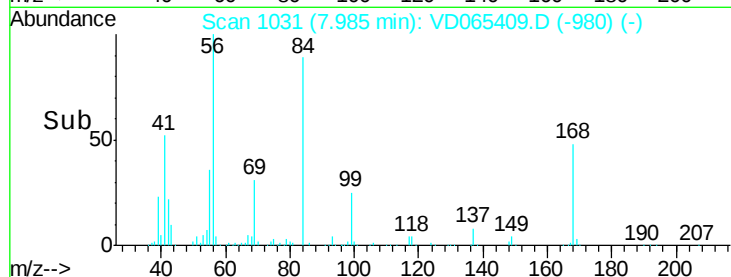
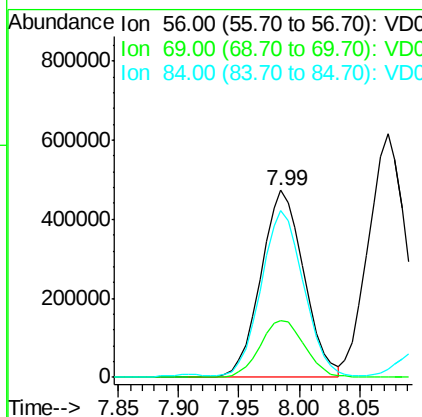
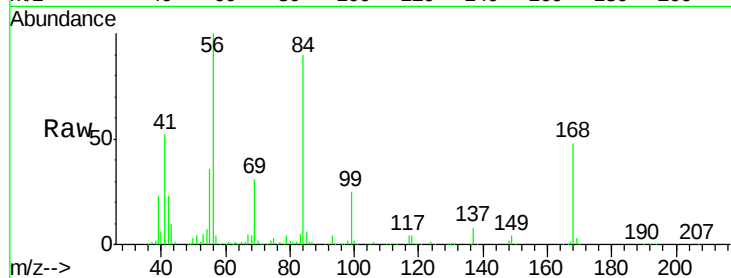
56 100

69 30.6 28.3 42.5

84 88.0 73.1 109.7

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#32

1,1,1-Trichloroethane

Concen: 134.868 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

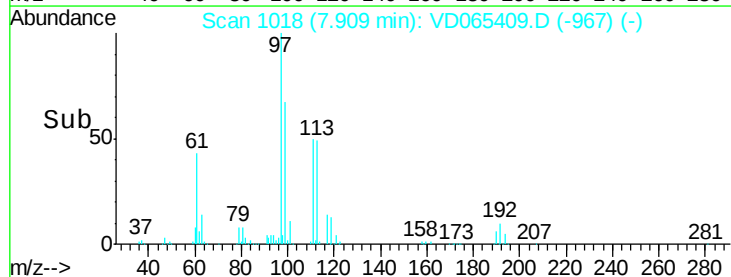
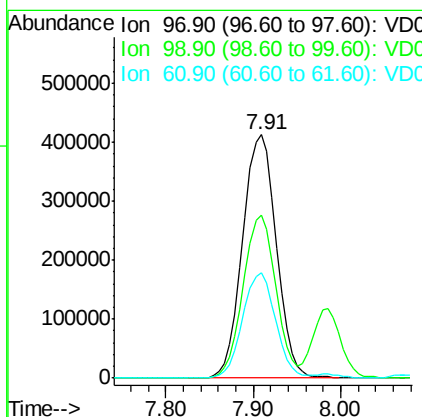
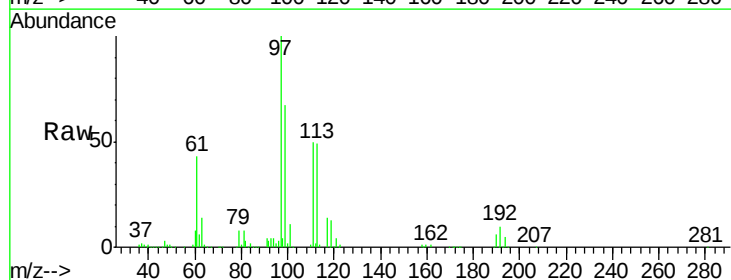
Tgt Ion: 97 Resp: 1083396

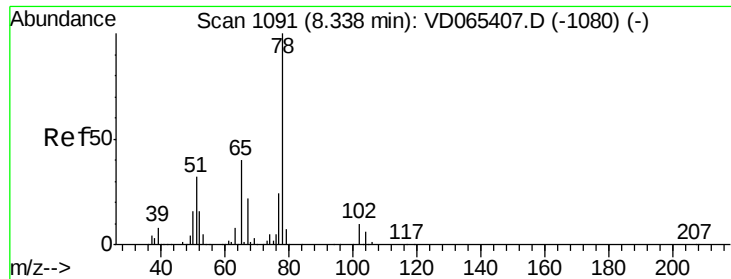
Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 42.4 33.2 49.8





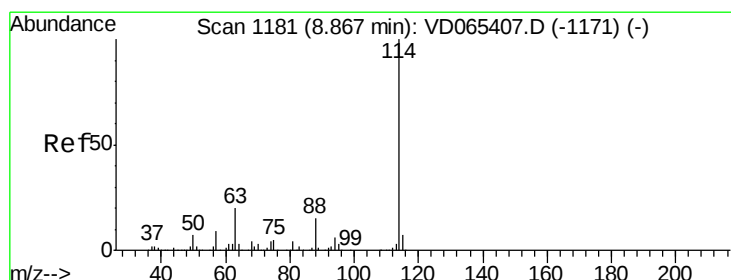
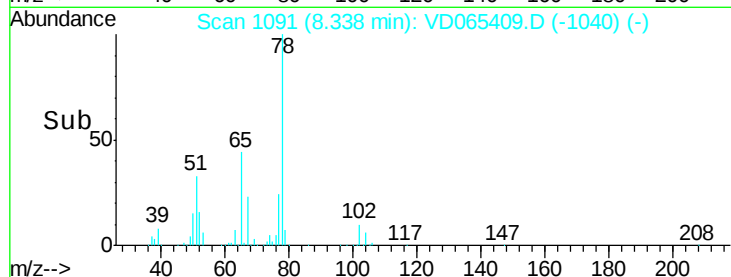
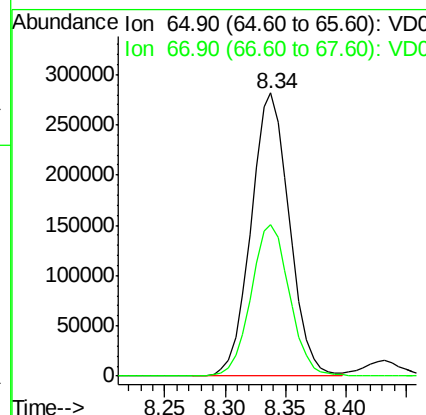
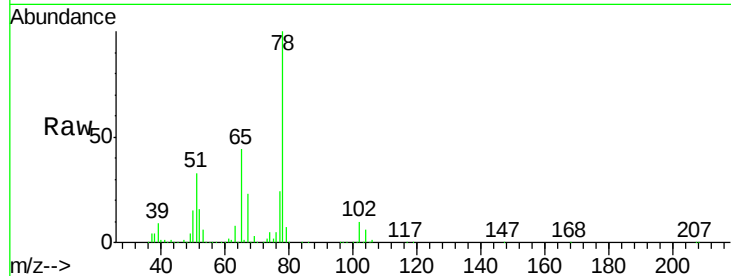
#33
 1,2-Dichloroethane-d4
 Concen: 142.508 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	108.0

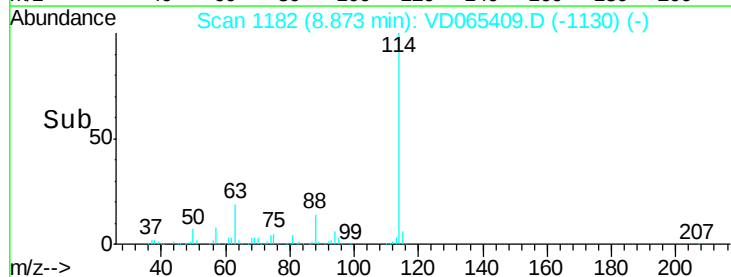
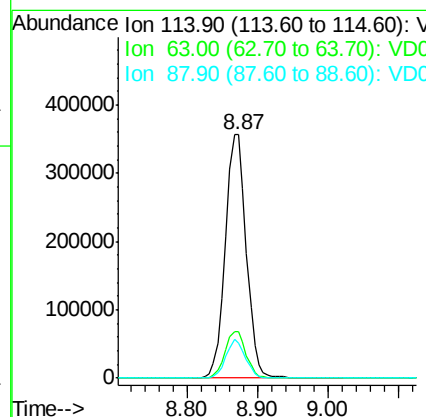
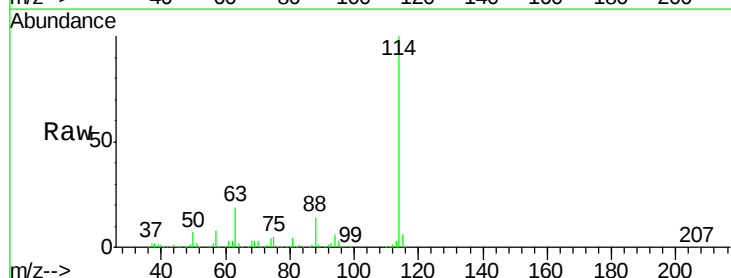
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.6
88	14.3	0.0	30.4





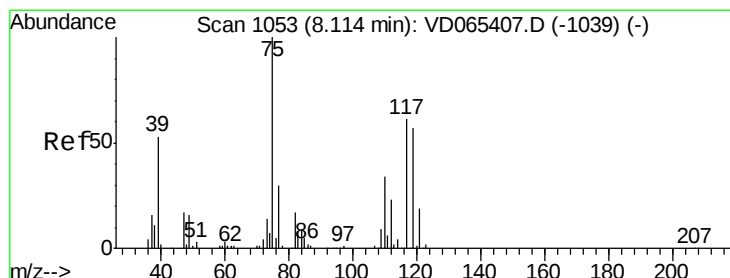
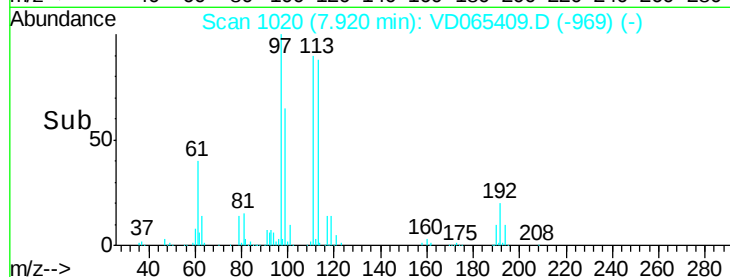
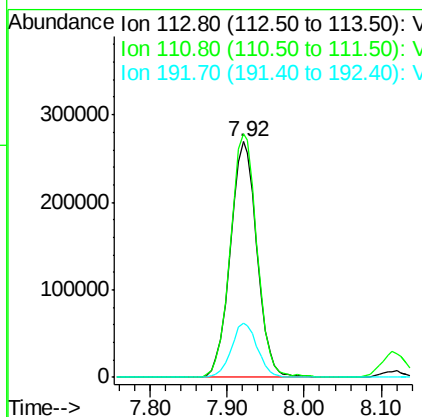
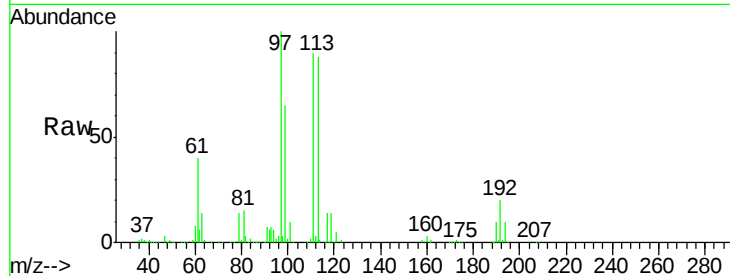
#35
 Dibromofluoromethane
 Concen: 142.329 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

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

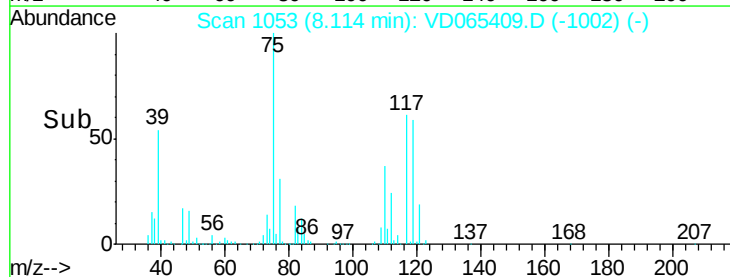
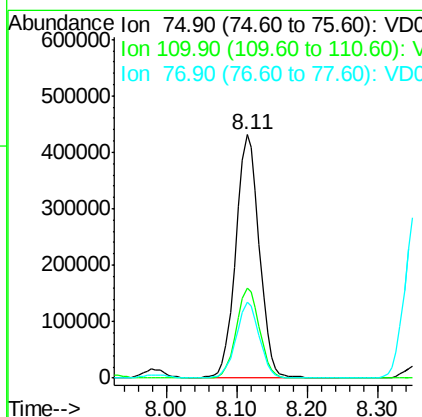
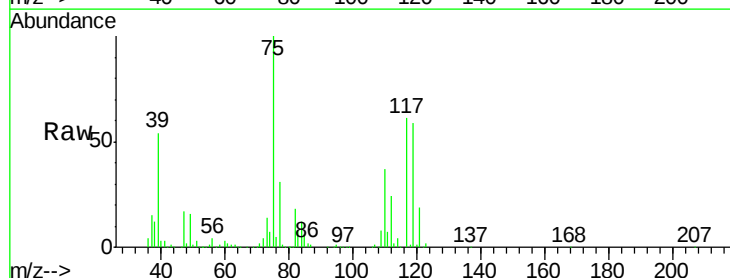
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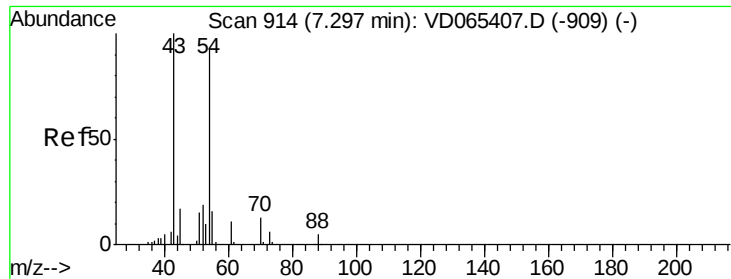
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#36
 1,1-Dichloropropene
 Concen: 140.371 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.1
77	30.9	25.2	37.8





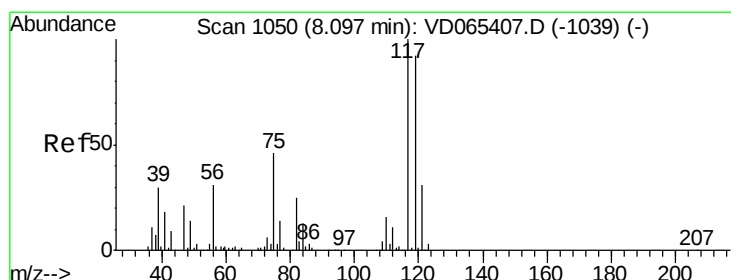
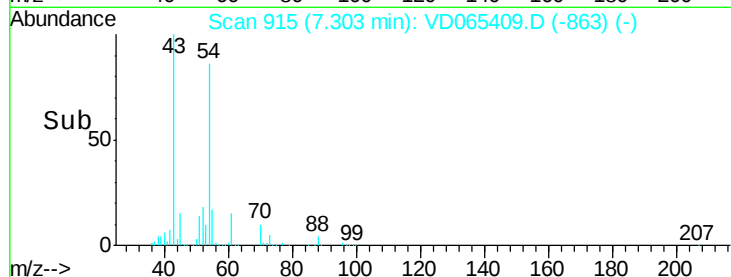
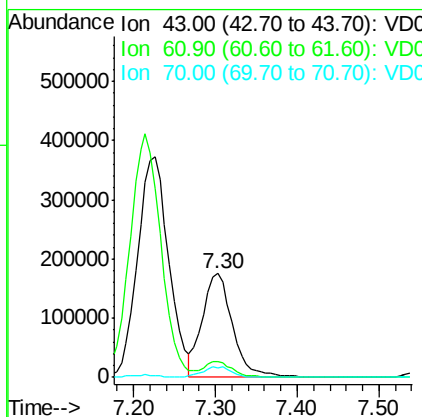
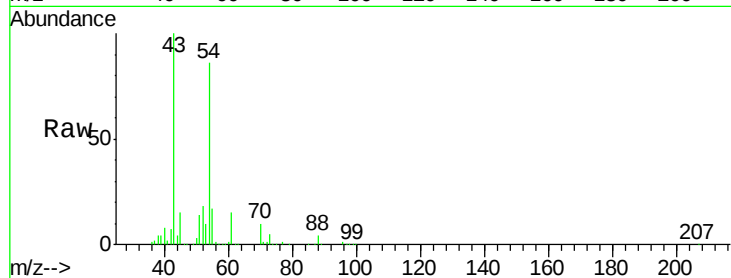
#37
Ethyl Acetate
Concen: 161.386 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.4	17.0
70	10.0	9.0	13.4

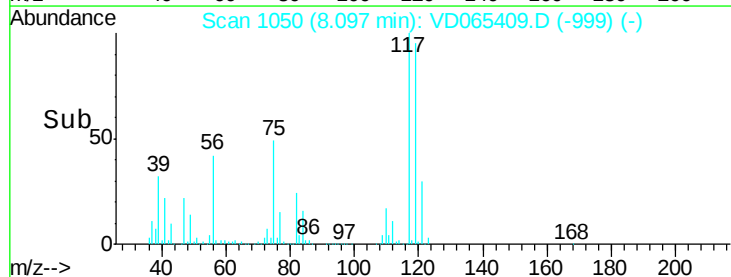
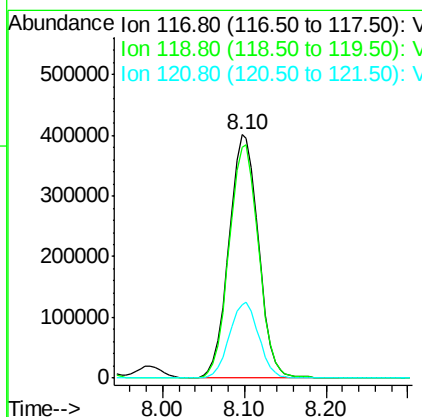
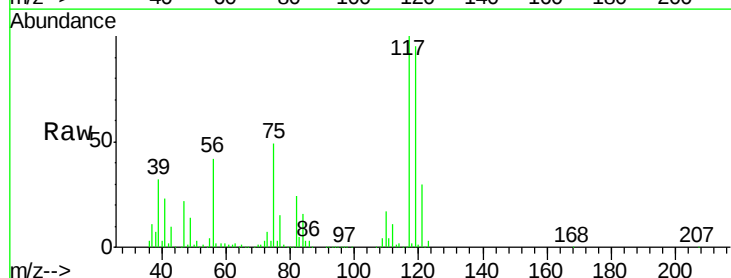
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#38
Carbon Tetrachloride
Concen: 137.026 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.3	109.9
121	30.1	25.0	37.4





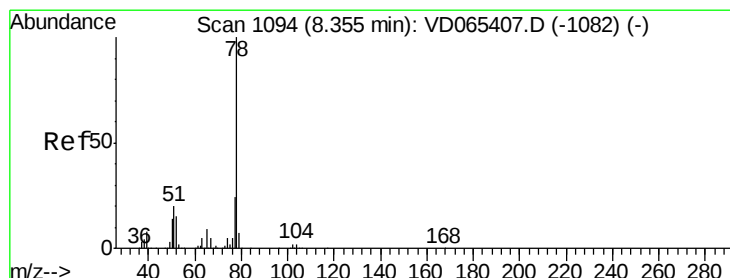
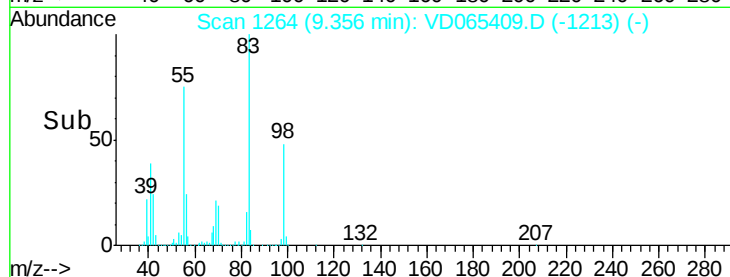
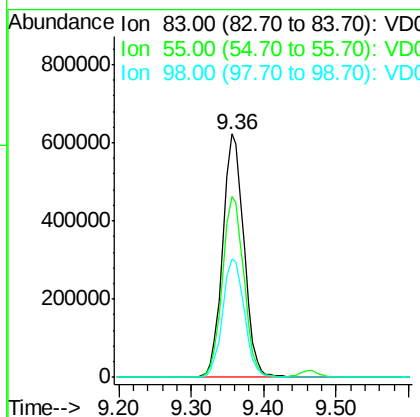
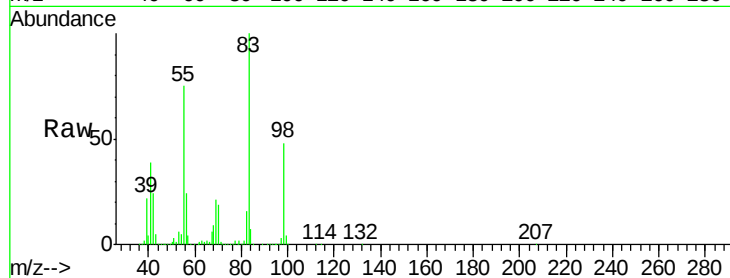
#39
Methvlcvclohexane
Concen: 150.332 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 83 Resp: 1274406
Ion Ratio Lower Upper
83 100
55 74.6 57.1 85.7
98 48.5 37.8 56.8

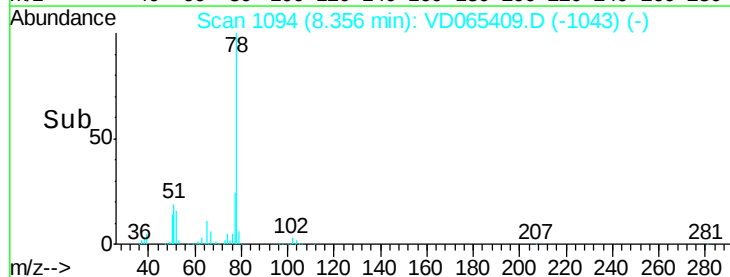
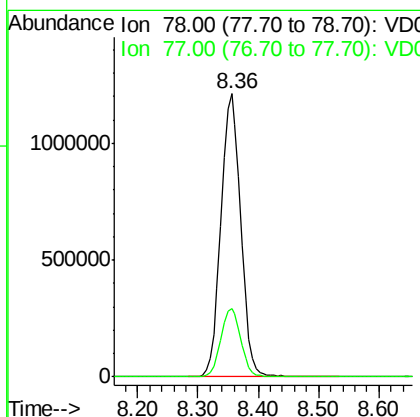
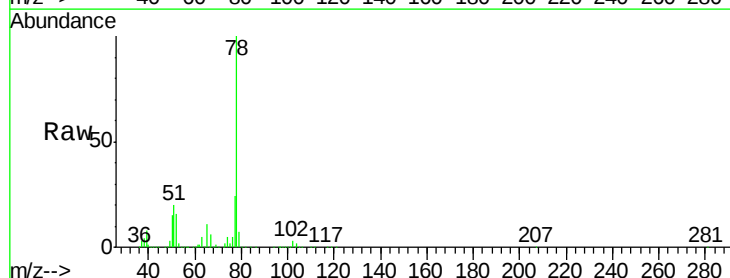
Manual Integrations
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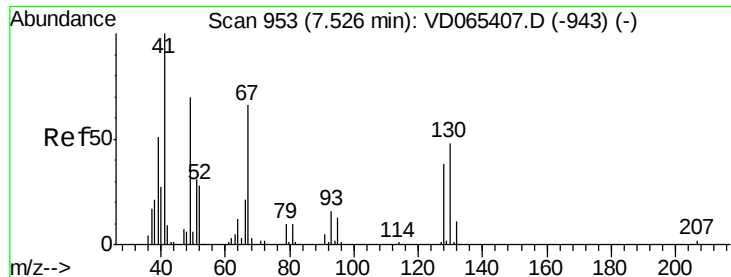
MMDadoda
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#40
Benzene
Concen: 138.804 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 78 Resp: 2760578
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0





#41

Methacrylonitrile

Concen: 174.149 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

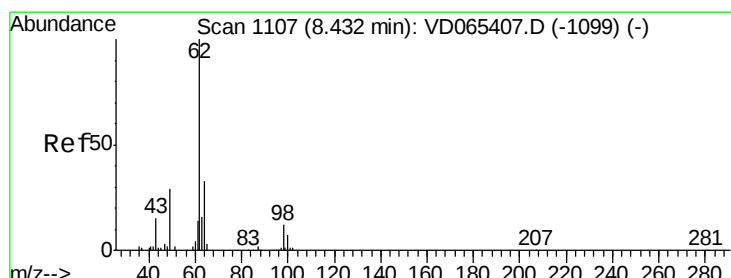
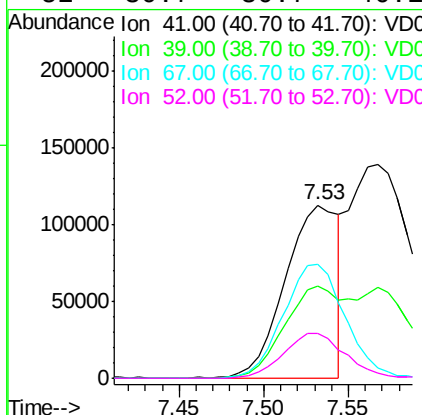
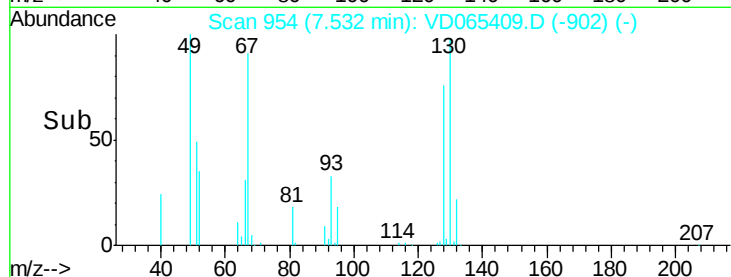
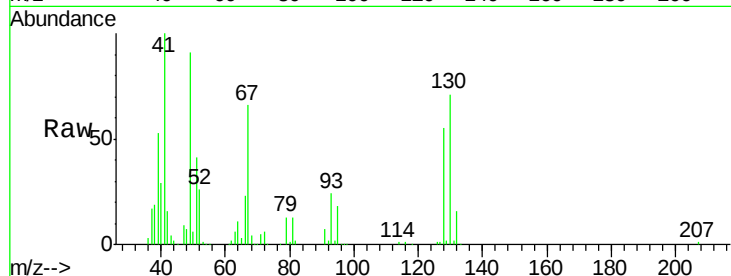
VSTDIC150

Tot Ion: 41 Resp: 245751

Ion	Ratio	Lower	Upper
41	100		
39	67.3	55.0	82.6
67	77.6	70.3	105.5
52	30.7	30.7	46.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 142.088 ug/l

RT: 8.43 min Scan# 1107

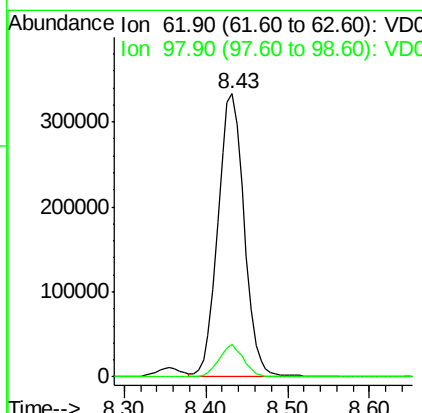
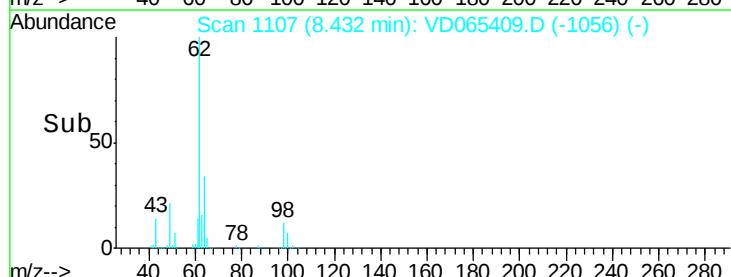
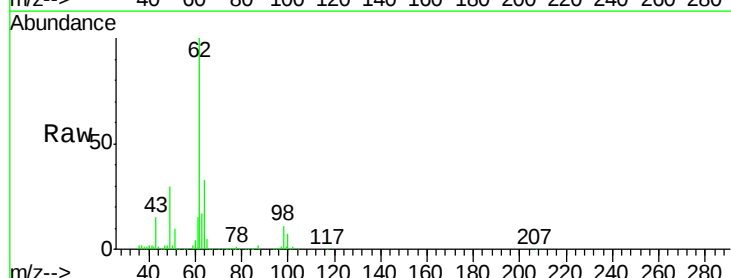
Delta R.T. 0.00 min

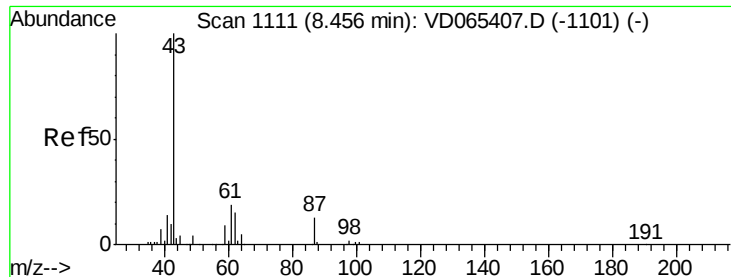
Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion: 62 Resp: 743586

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





#43

Isopropyl Acetate

Concen: 163.096 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

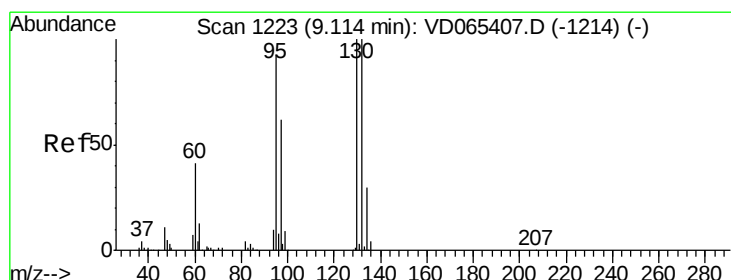
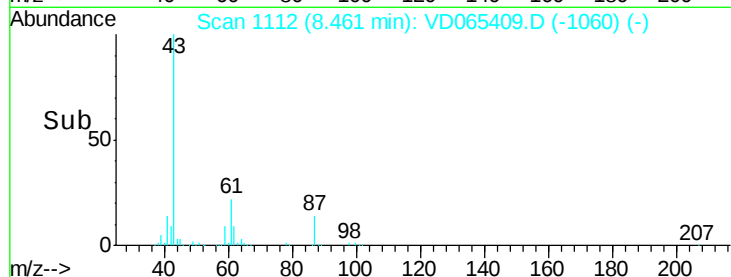
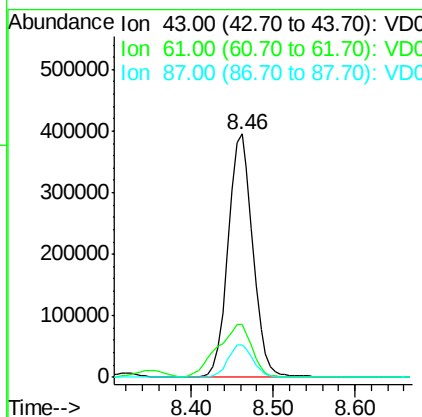
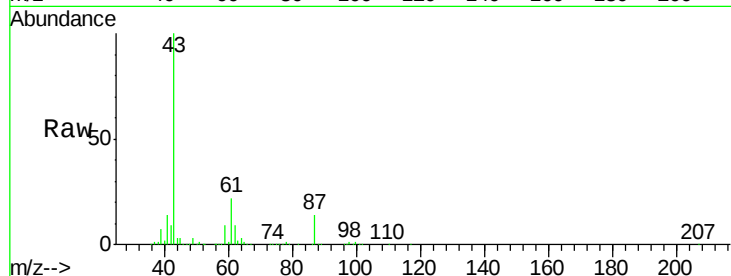
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	828842
Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.0	37.6
87	13.8	11.0	16.4

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#44

Trichloroethene

Concen: 140.918 ug/l

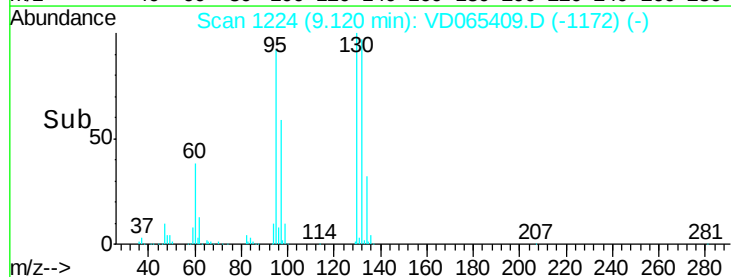
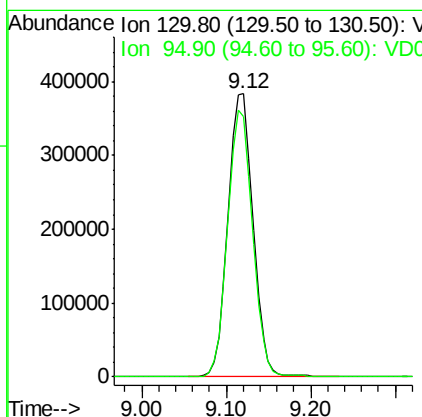
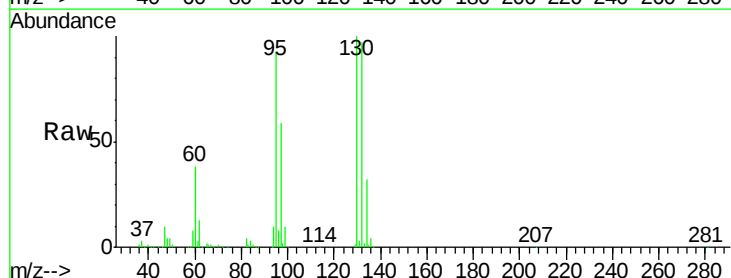
RT: 9.12 min Scan# 1224

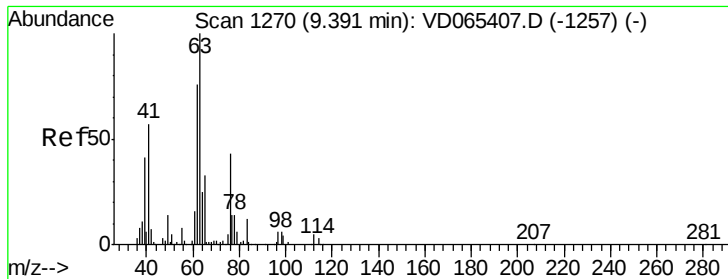
Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	130	Resp:	786771
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	186.0





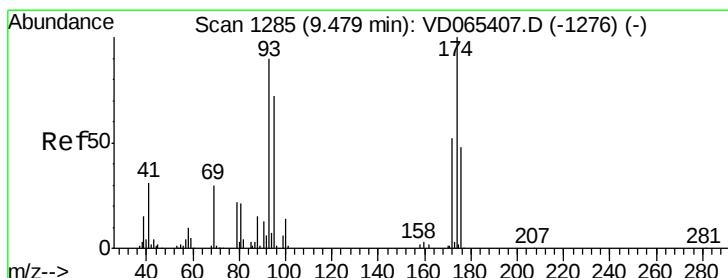
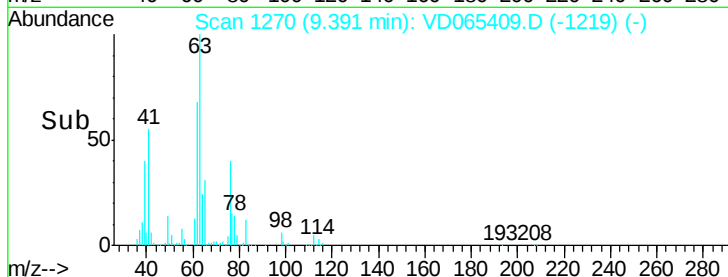
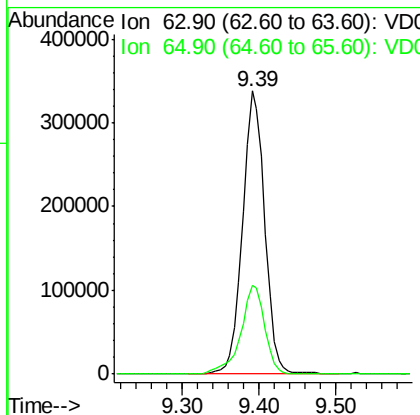
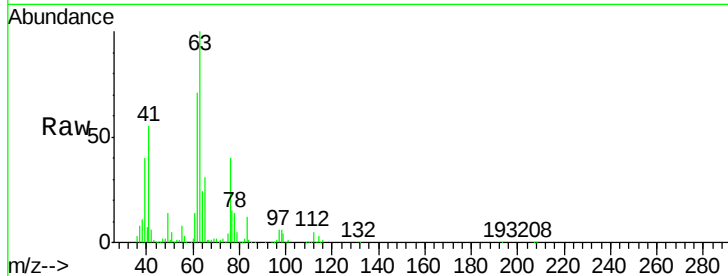
#45
 1,2-Dichloropropane
 Concen: 141.527 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.4	39.6

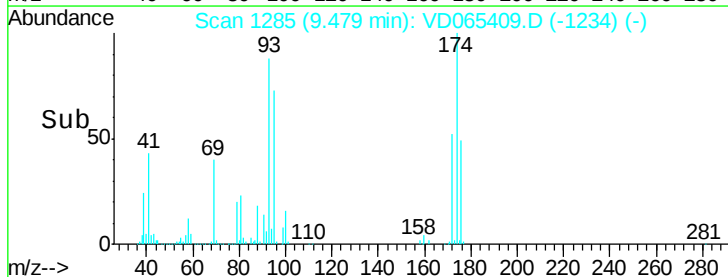
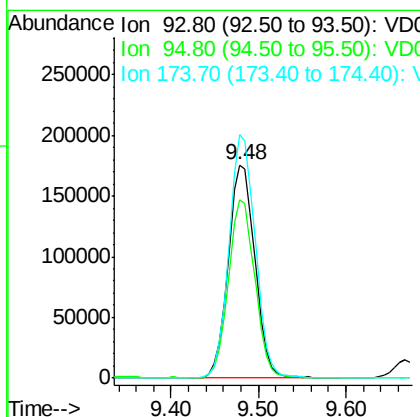
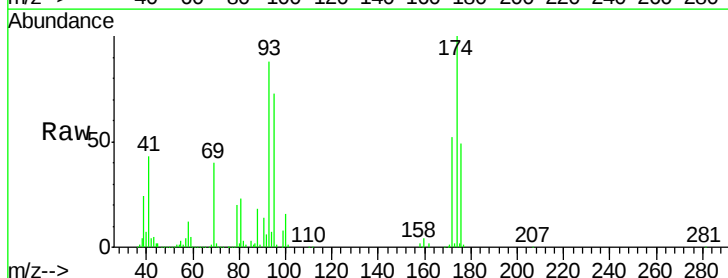
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 3/5/2020 1:38:38 PM



#46
 Dibromomethane
 Concen: 145.156 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.6
174	112.1	88.3	132.5





#47

Bromodichloromethane

Concen: 142.563 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

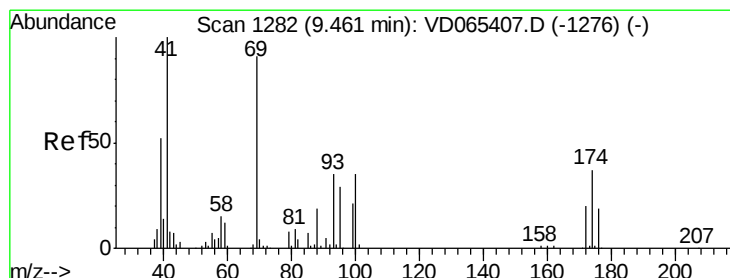
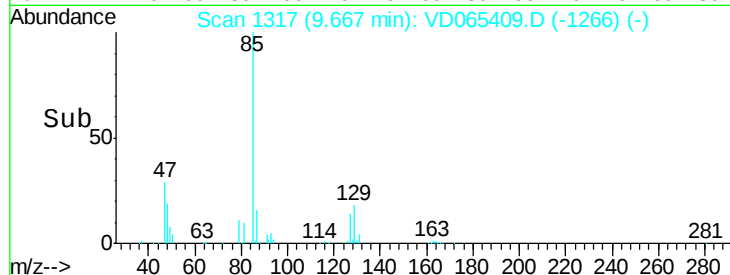
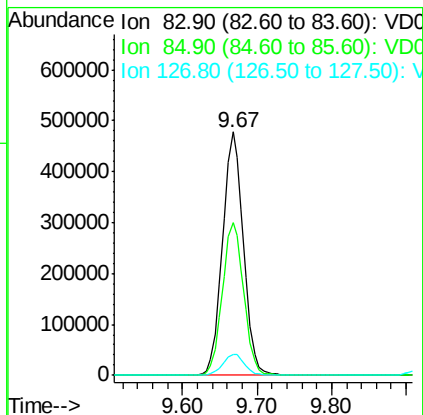
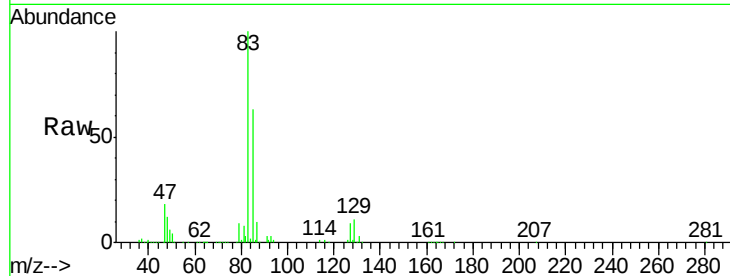
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	929527
Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.8	79.2
127	8.6	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 162.800 ug/l

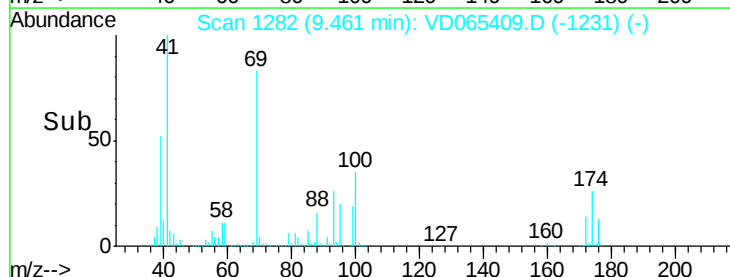
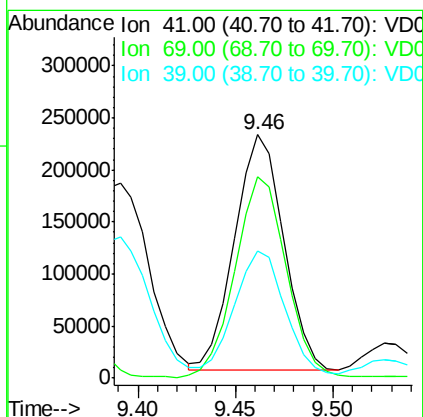
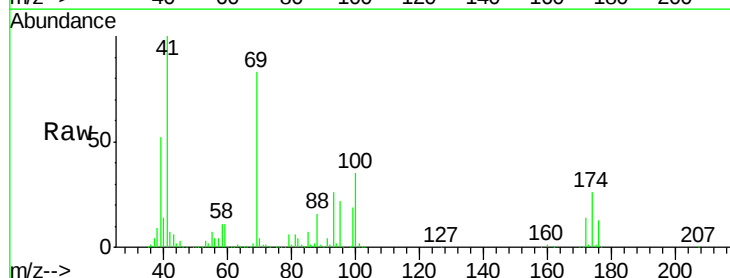
RT: 9.46 min Scan# 1282

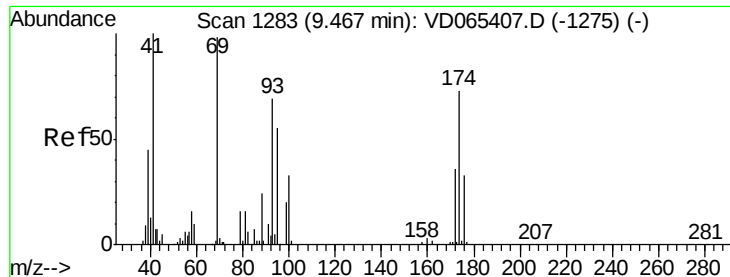
Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	41	Resp:	391370
Ion	Ratio	Lower	Upper
41	100		
69	91.0	72.5	108.7
39	52.7	41.6	62.4





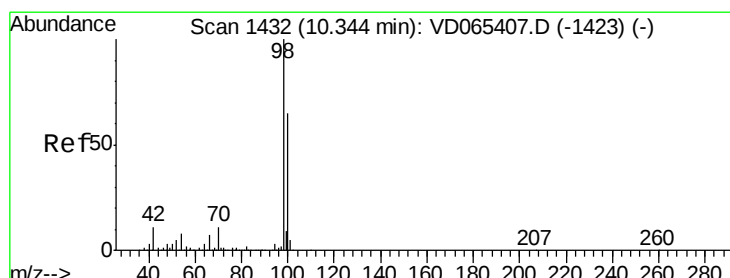
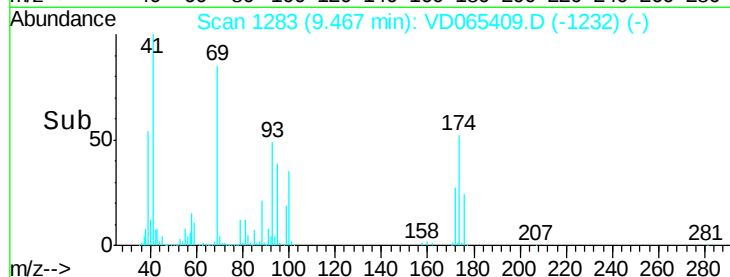
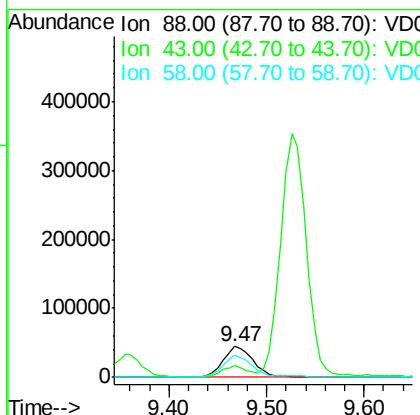
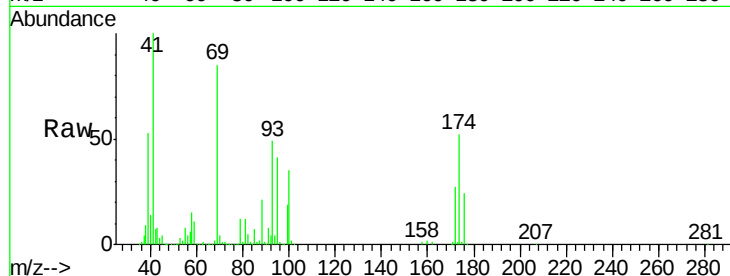
#49
1,4-Dioxane
Concen: 3326.753 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	96171
Ion Ratio	100	Lower	Upper
88	100		
43	32.7	24.5	36.7
58	69.5	54.5	81.7

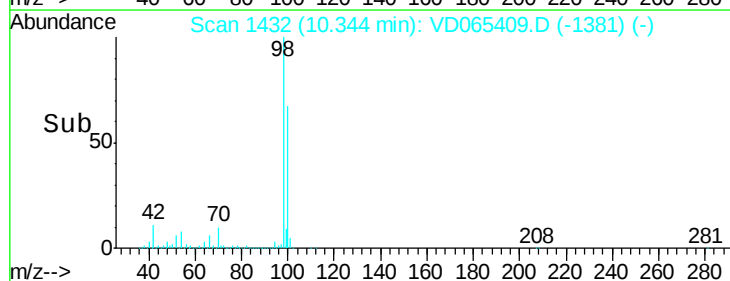
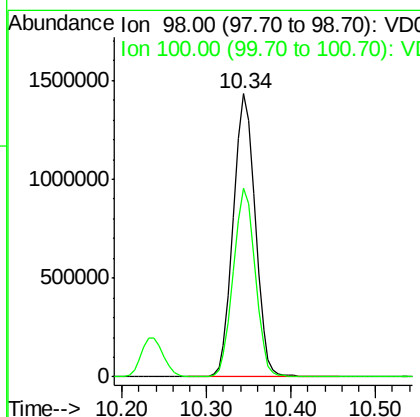
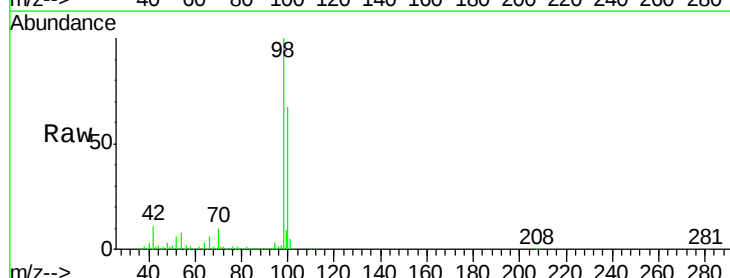
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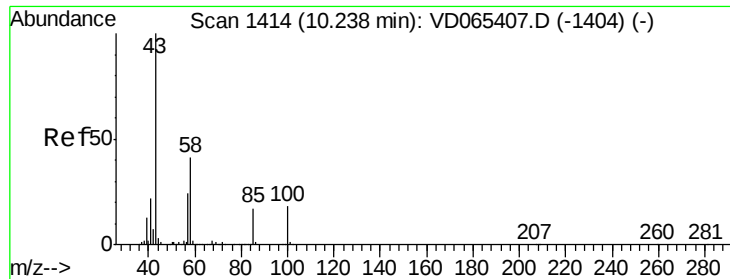
MMDadoda
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#50
Toluene-d8
Concen: 145.584 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	98	Resp	2557070
Ion Ratio	100	Lower	Upper
98	100		
100	66.3	52.8	79.2





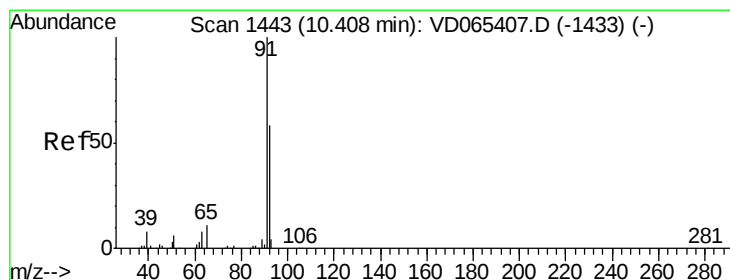
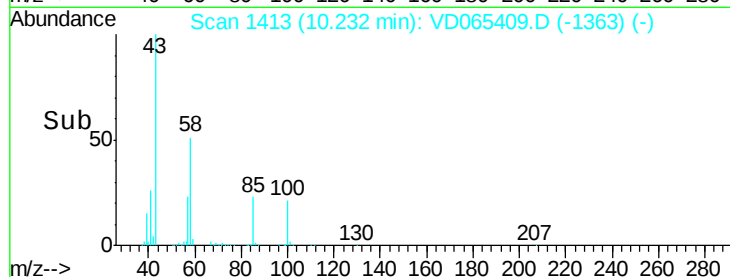
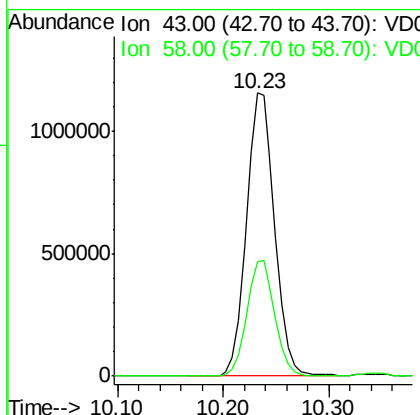
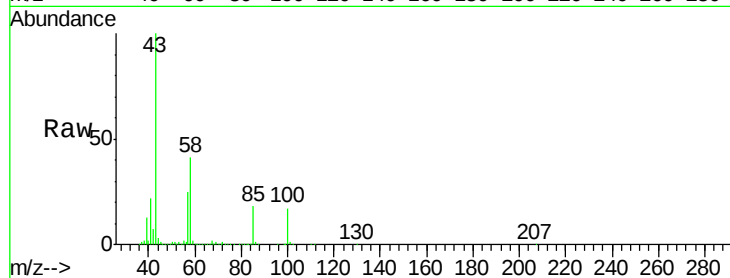
#51
4-Methyl-2-Pentanone
Concen: 832.623 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2139899
Ion Ratio Lower Upper
43 100
58 40.5 31.8 47.6

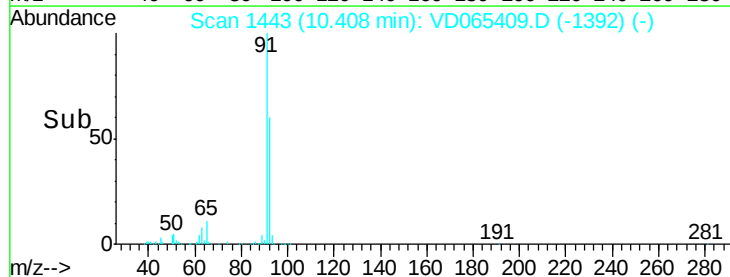
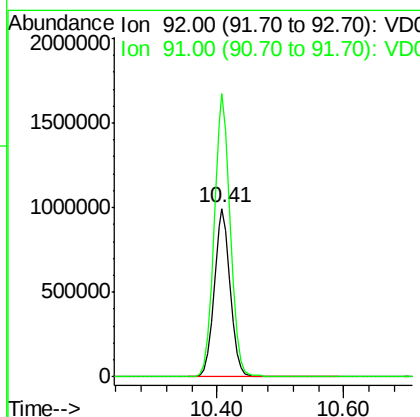
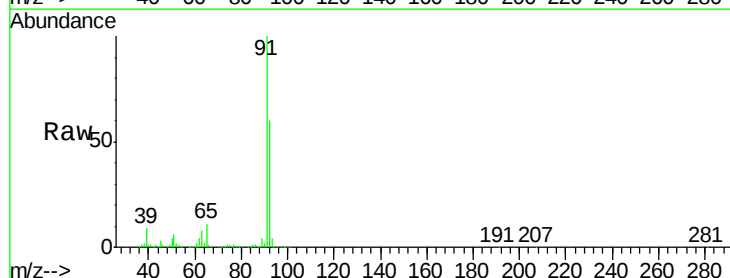
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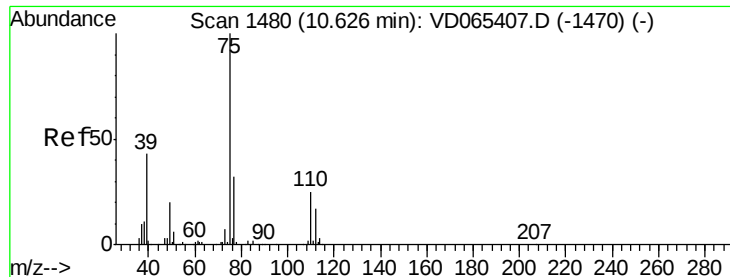
MMDadoda
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#52
Toluene
Concen: 141.896 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 92 Resp: 1779858
Ion Ratio Lower Upper
92 100
91 169.8 137.8 206.8





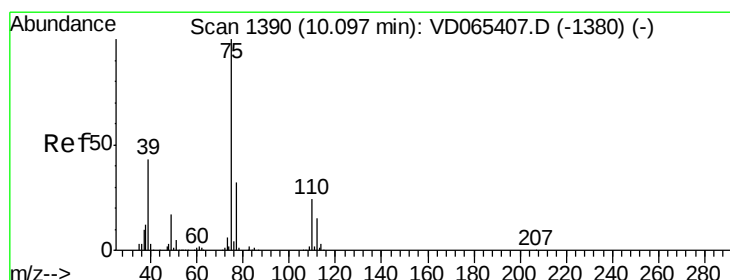
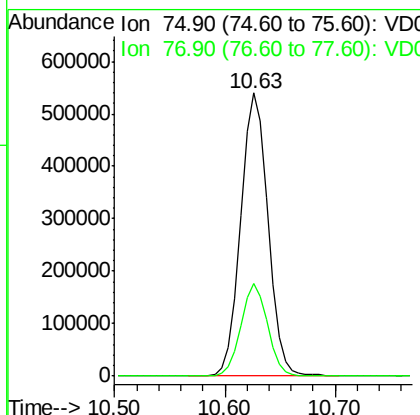
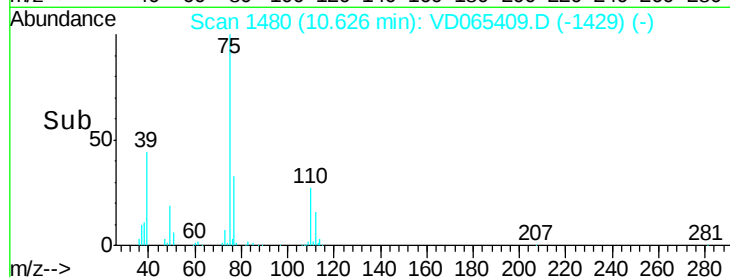
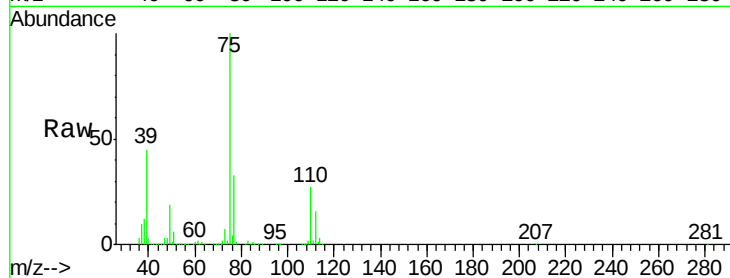
#53
t-1,3-Dichloropropene
Concen: 153.492 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.2

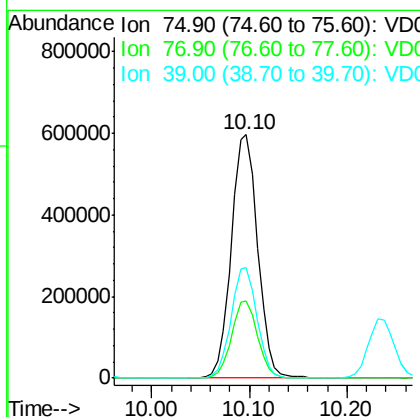
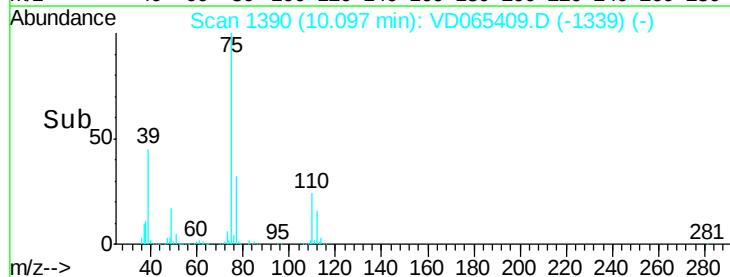
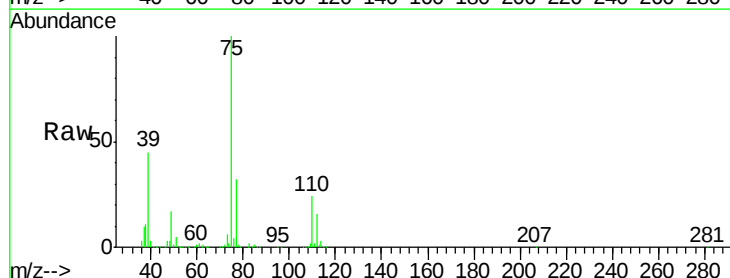
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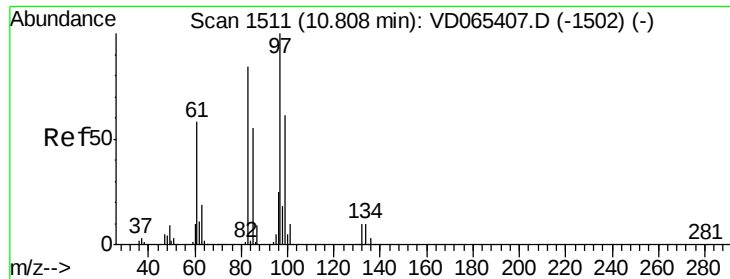
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3/5/2020 1:38:38 PM



#54
cis-1,3-Dichloropropene
Concen: 151.304 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
39	45.2	34.6	52.0





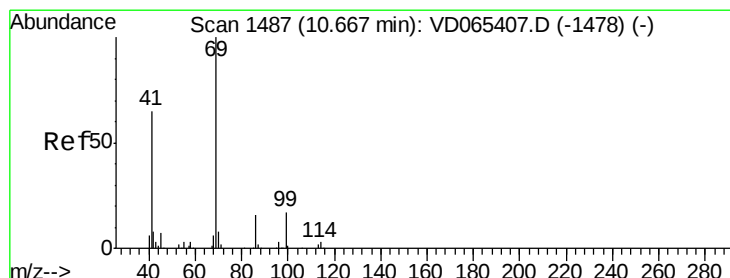
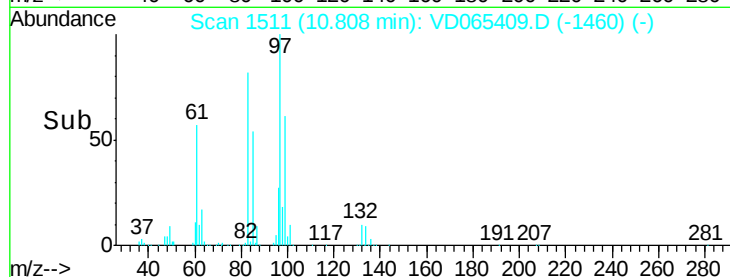
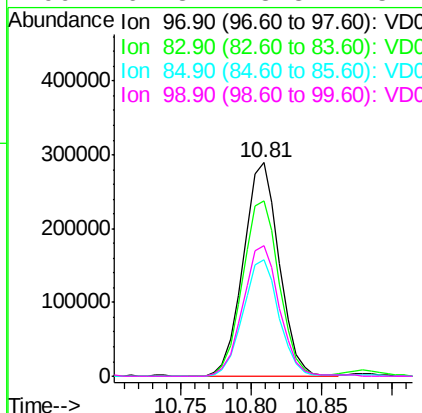
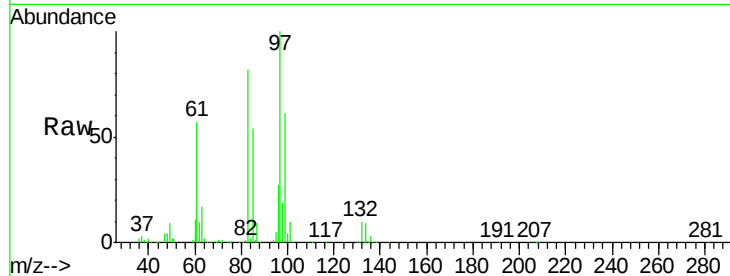
#55
 1,1,2-Trichloroethane
 Concen: 145.139 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.4	101.0
85	54.3	43.8	65.8
99	61.3	48.8	73.2

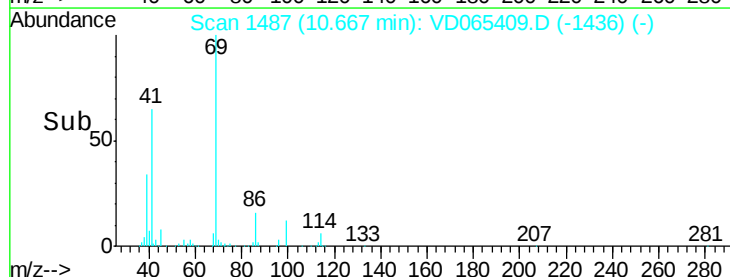
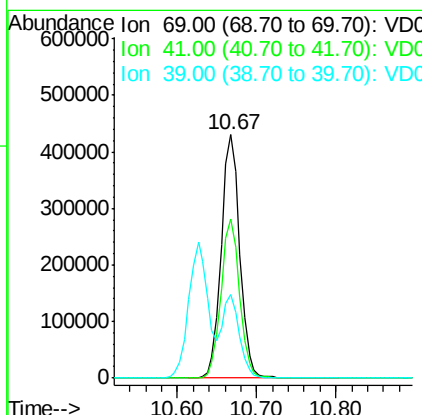
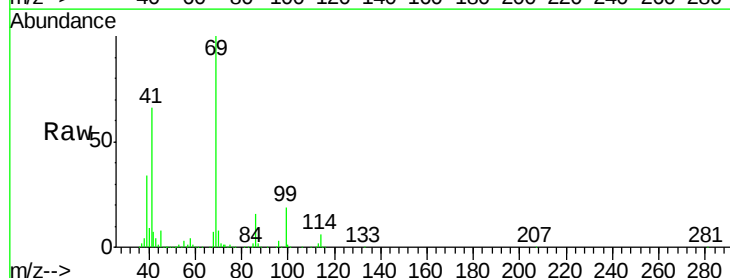
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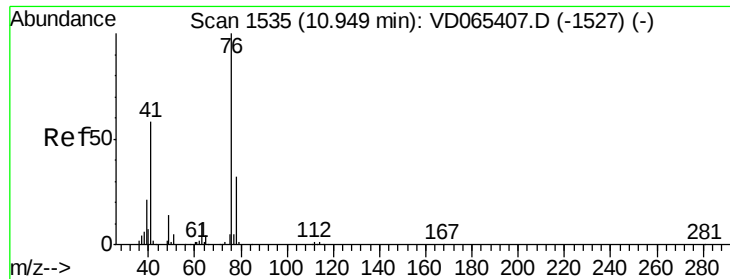
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#56
 Ethyl methacrylate
 Concen: 172.701 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.8	53.0	79.6
39	31.8	26.0	39.0





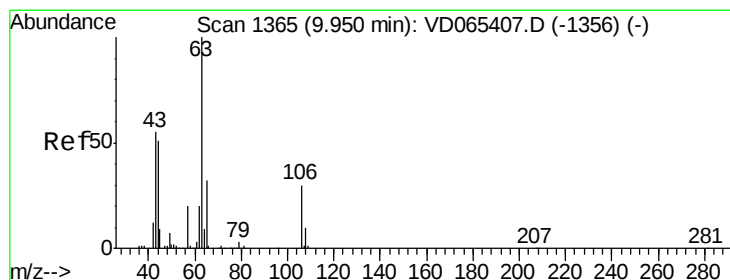
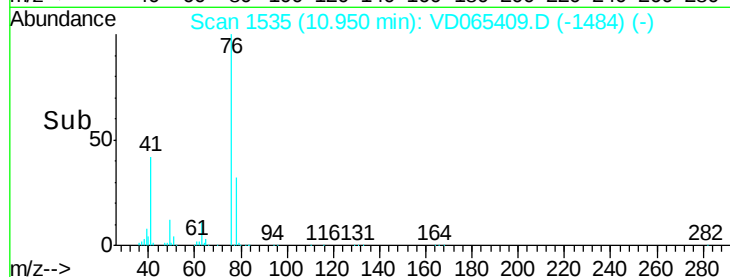
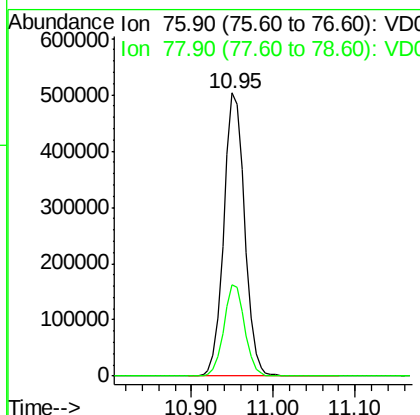
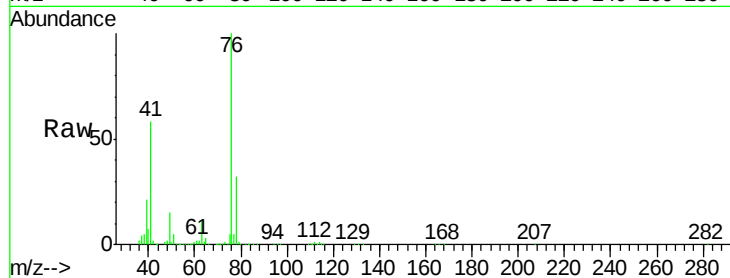
#57
 1,3-Dichloropropane
 Concen: 148.226 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

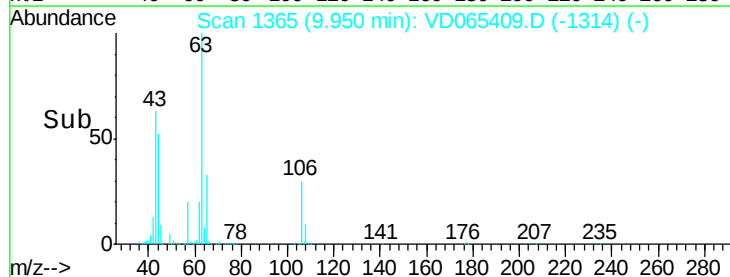
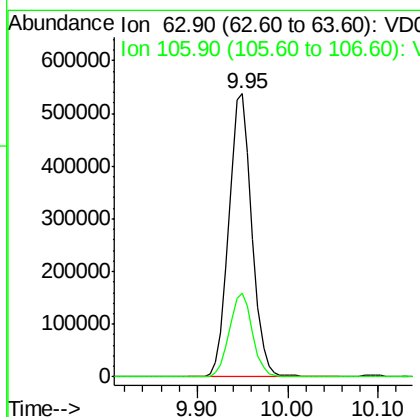
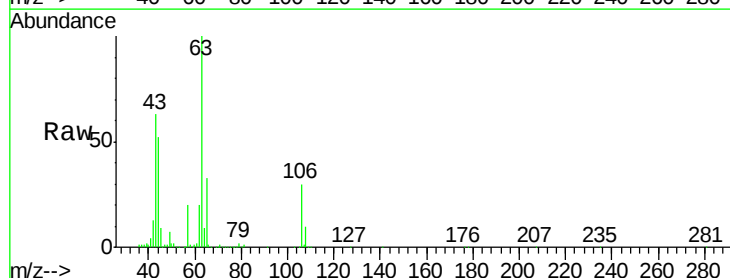
Manual Integrations
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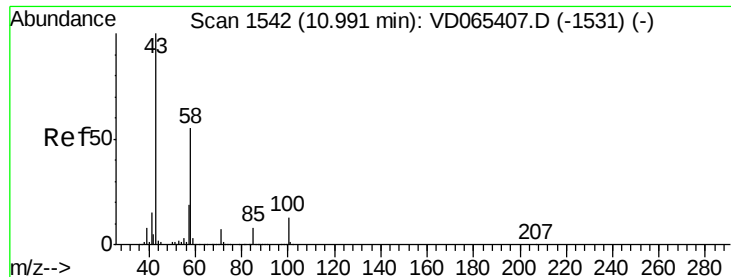
MMDadoda
 3/5/2020 1:38:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 666.104 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.3	34.9





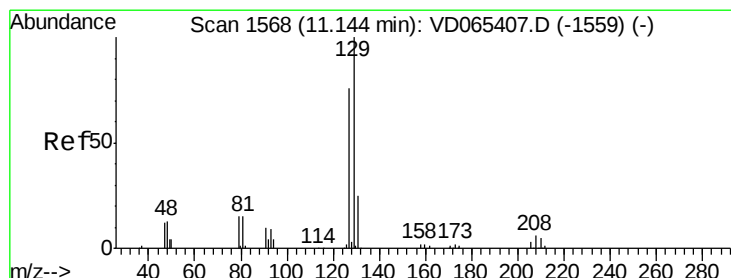
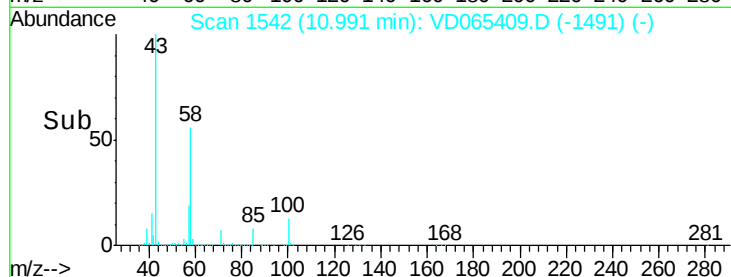
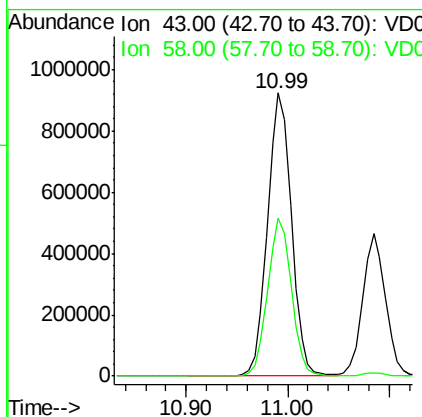
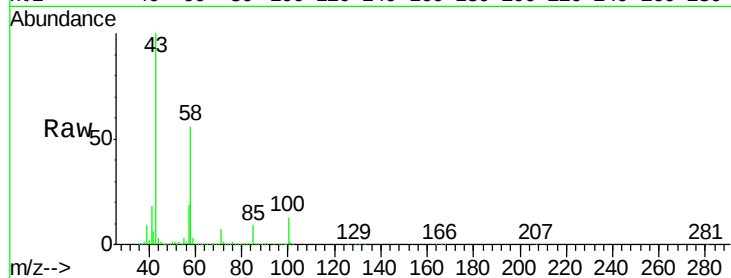
#59
2-Hexanone
Concen: 853.458 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 1520564
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

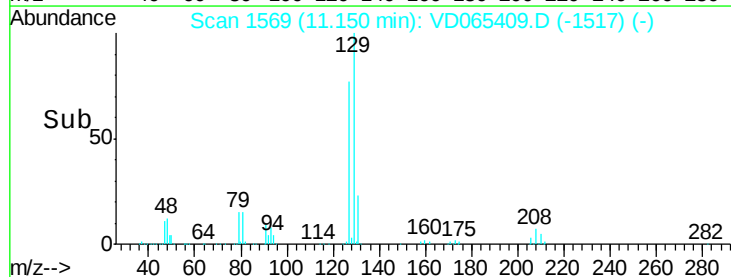
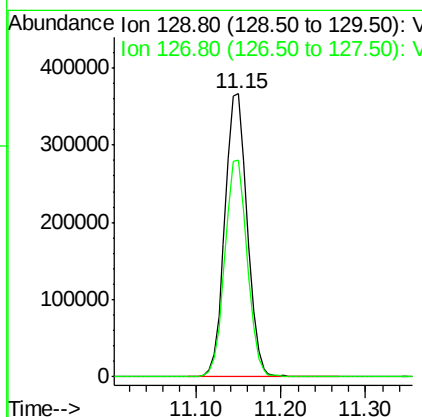
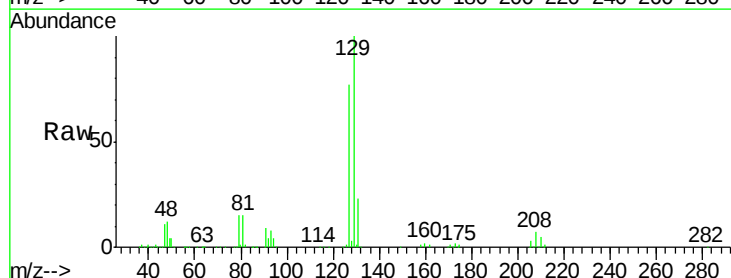
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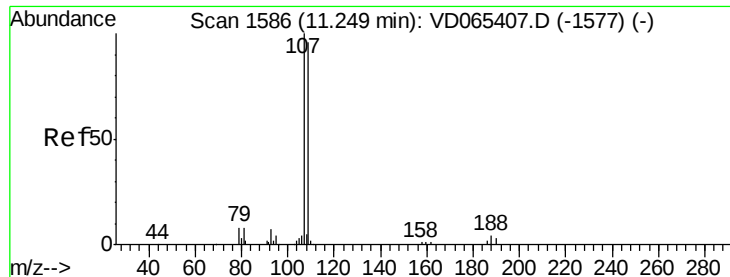
MMDadoda
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#60
Dibromochloromethane
Concen: 146.299 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 129 Resp: 669098
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





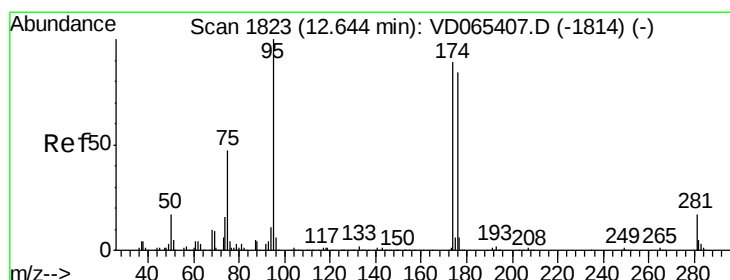
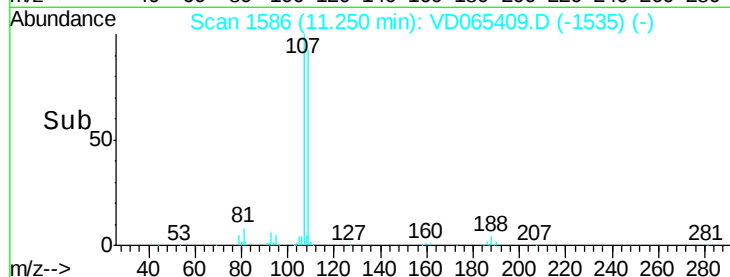
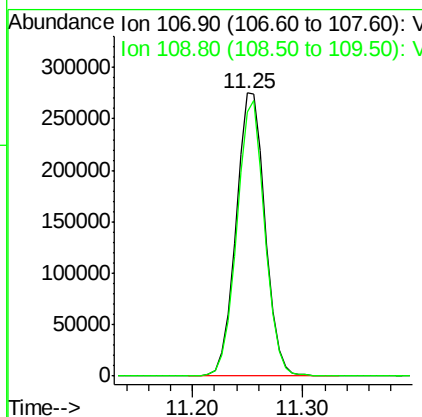
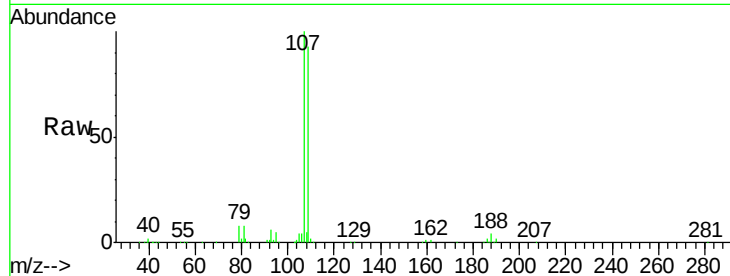
#61
 1,2-Dibromoethane
 Concen: 149.664 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 107 Resp: 507696
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.8 115.2

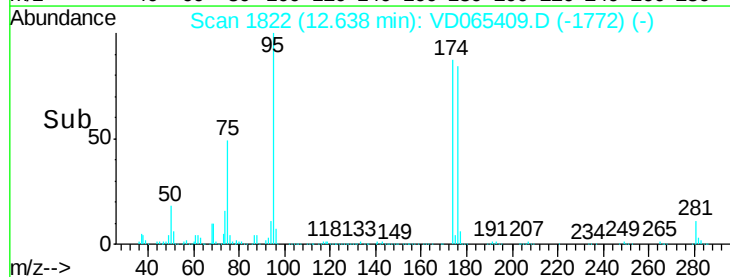
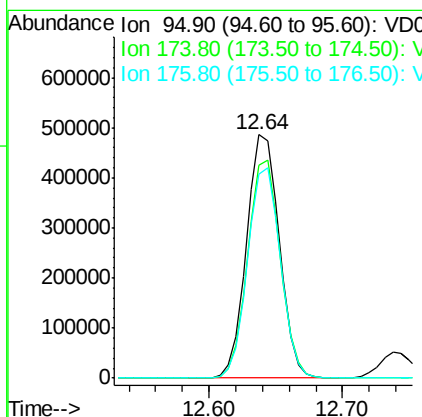
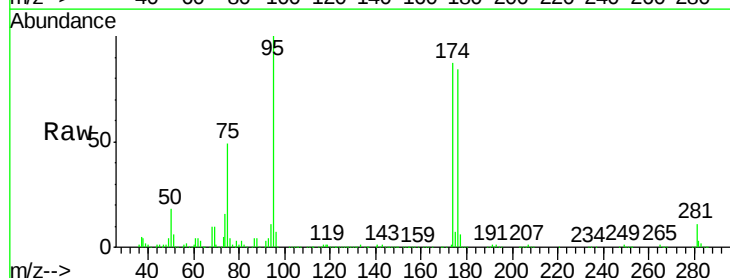
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 149.711 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion: 95 Resp: 821740
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 176.8
 176 86.6 0.0 171.4





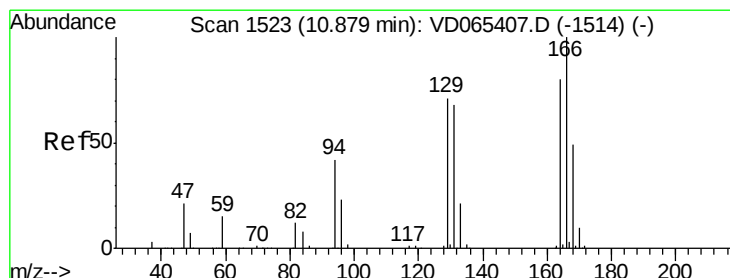
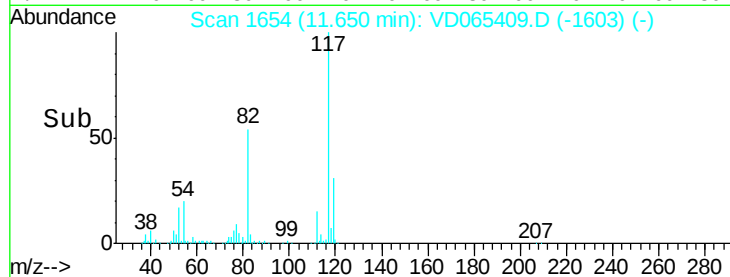
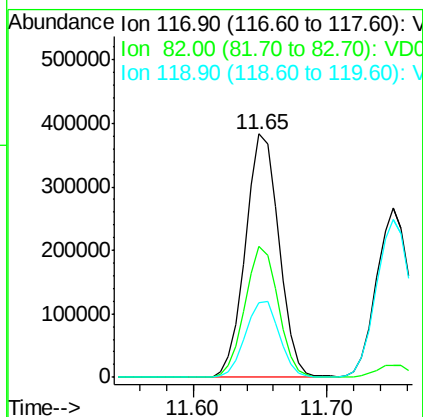
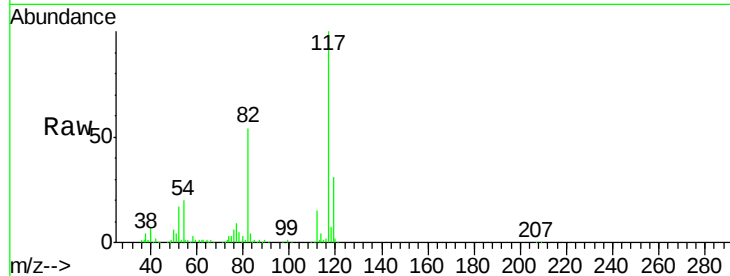
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	664601		
82	53.7		40.6	60.8
119	30.7		25.4	38.2

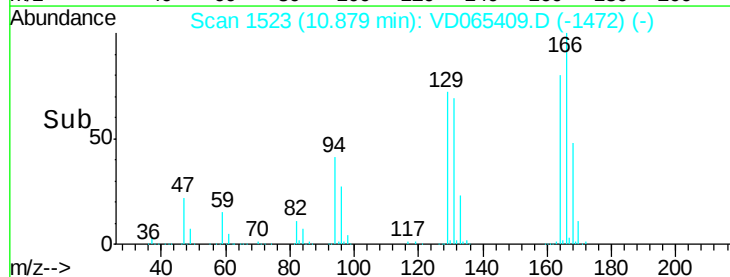
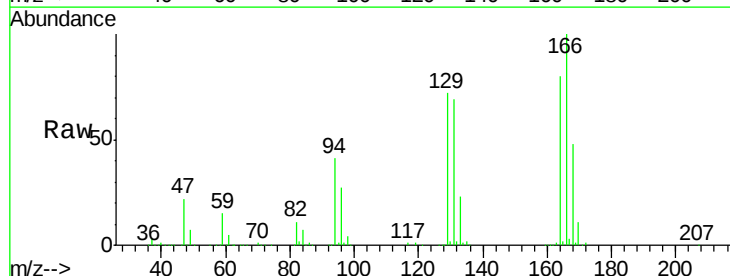
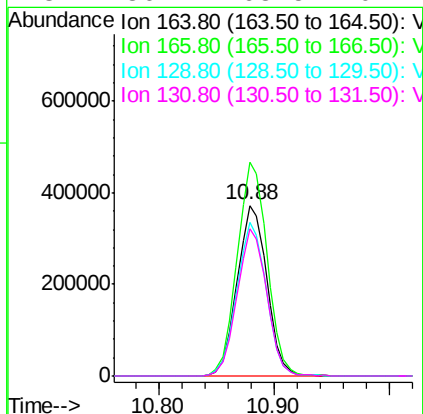
Manual Integrations
APPROVED

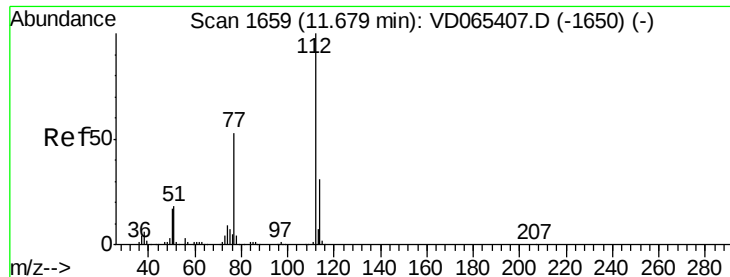
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#64
Tetrachloroethene
Concen: 139.079 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	663935		
166	125.4		100.5	150.7
129	90.2		71.5	107.3
131	86.1		68.5	102.7





#65

Chlorobenzene

Concen: 139.898 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1849615

Ion Ratio Lower Upper

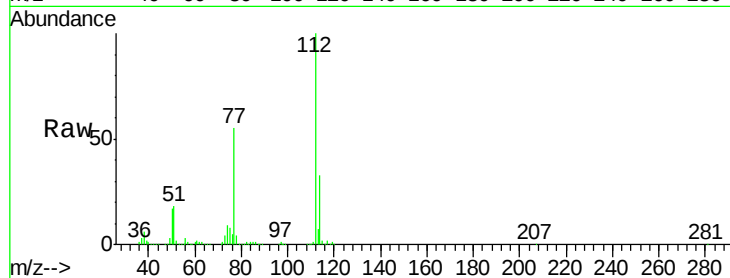
112 100

114 32.8 24.4 36.6

Manual Integrations
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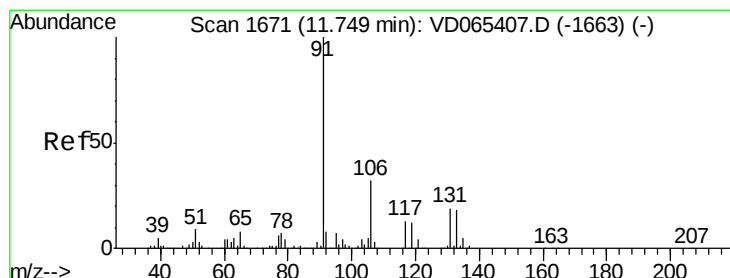
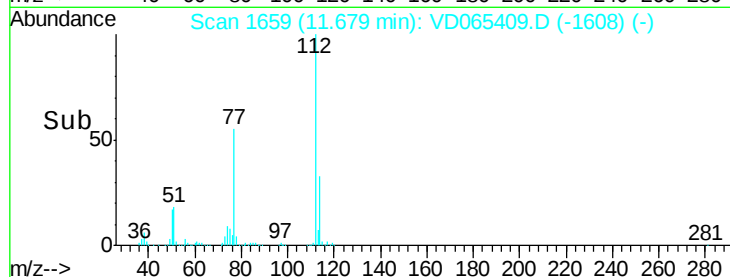
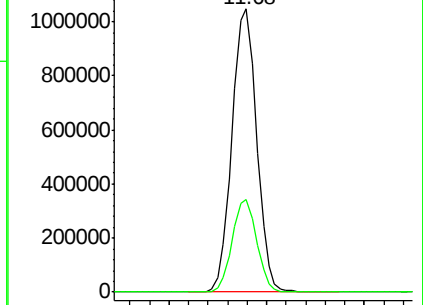
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 141.747 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

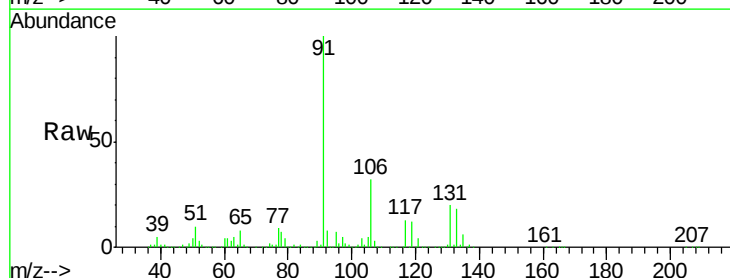
Tgt Ion:131 Resp: 684211

Ion Ratio Lower Upper

131 100

133 95.2 49.2 147.6

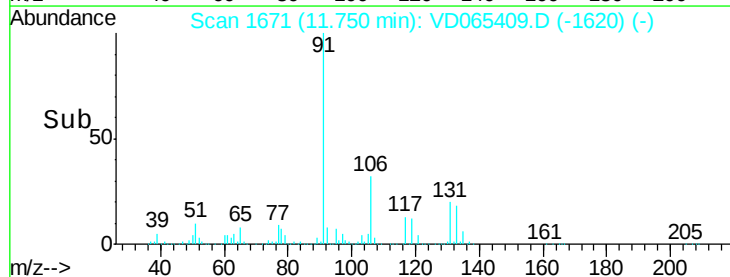
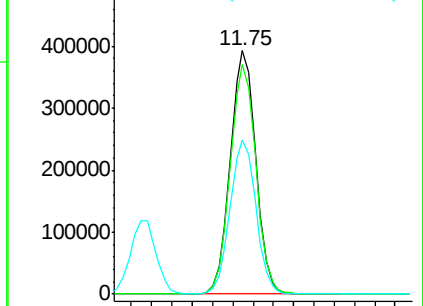
119 64.5 33.3 99.8

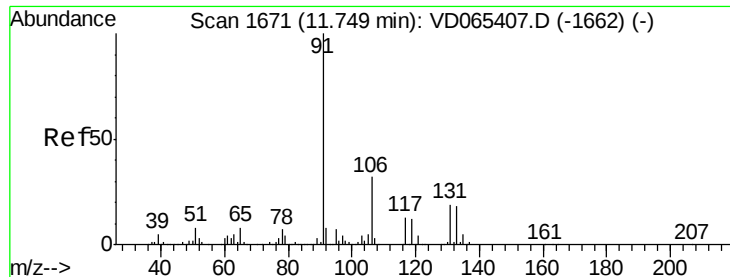


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 146.341 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3335390

Ion Ratio Lower Upper

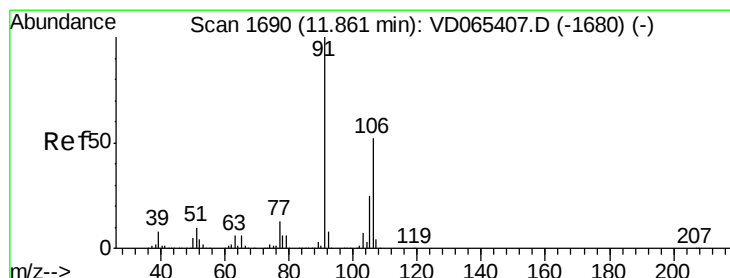
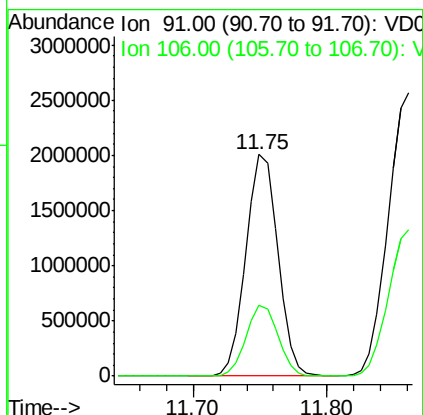
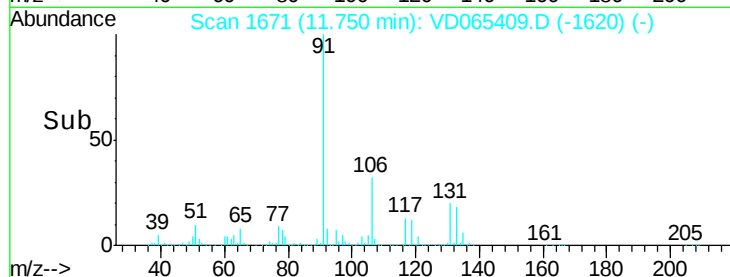
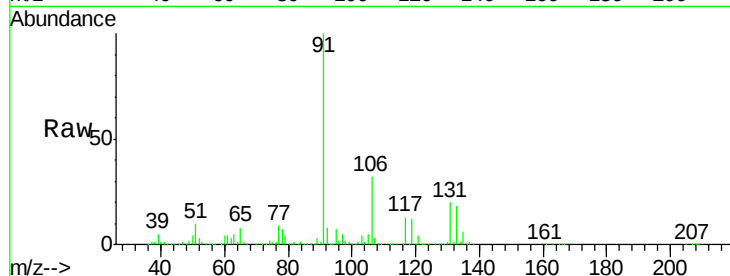
91 100

106 31.8 25.2 37.8

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#68

m/p-Xylenes

Concen: 289.630 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065409.D

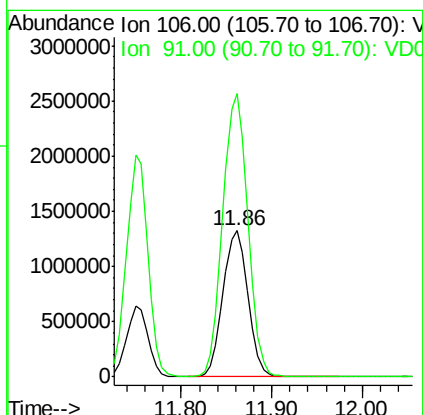
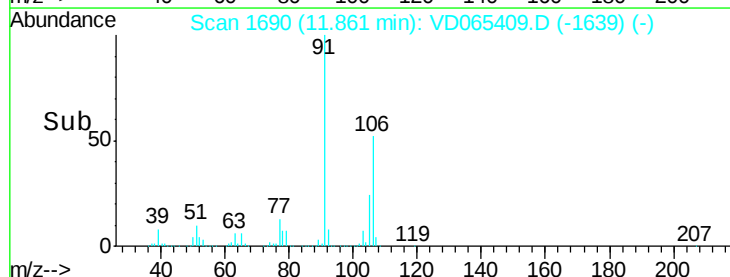
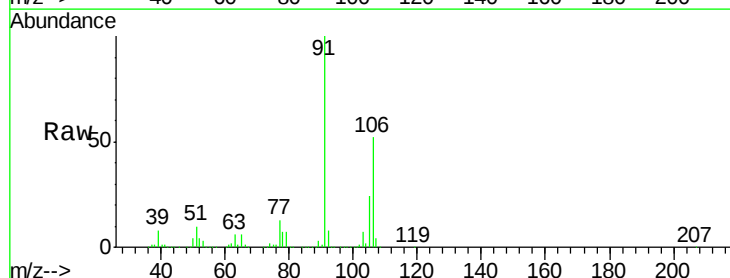
Acq: 04 Mar 2020 12:55

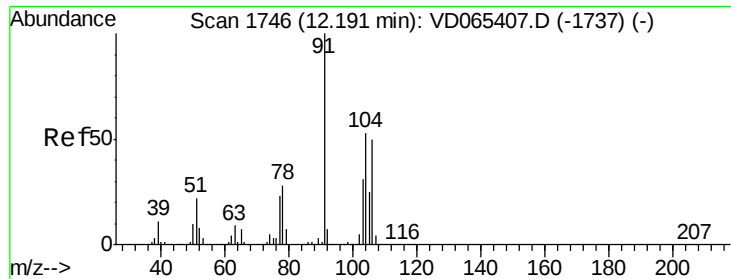
Tgt Ion: 106 Resp: 2544885

Ion Ratio Lower Upper

106 100

91 194.4 155.9 233.9





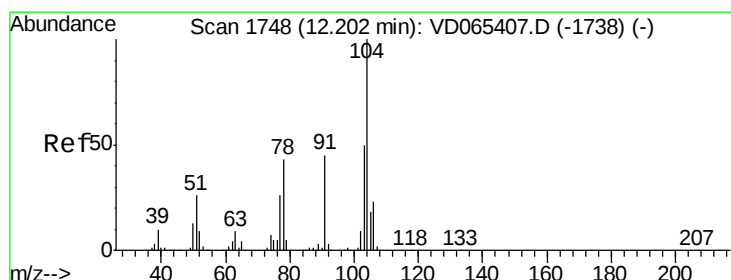
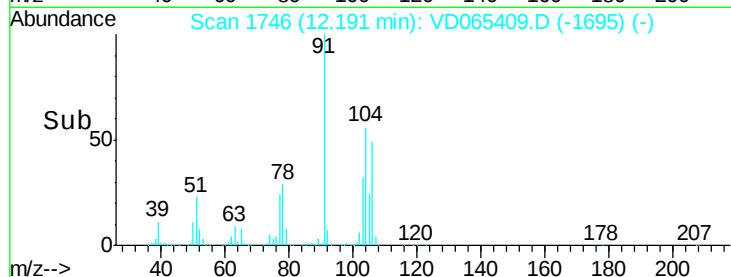
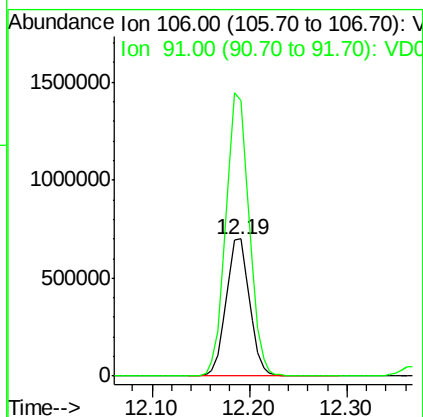
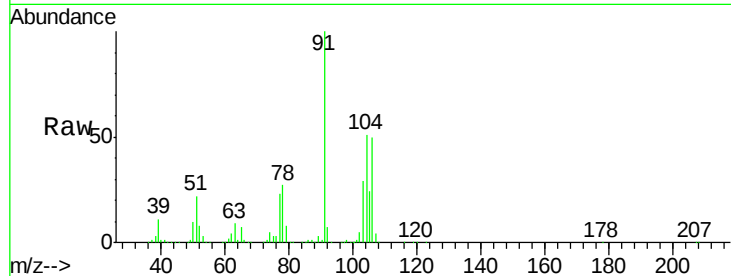
#69
o-Xylene
Concen: 151.300 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1169303
Ion Ratio Lower Upper
106 100
91 205.7 103.5 310.3

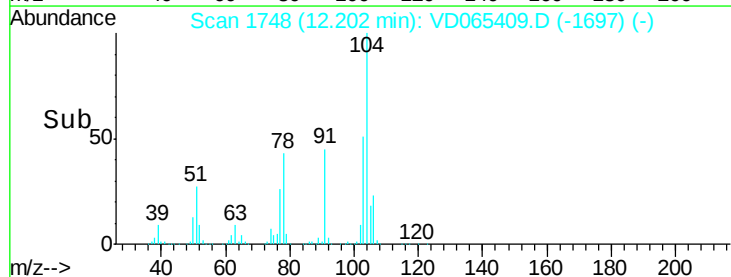
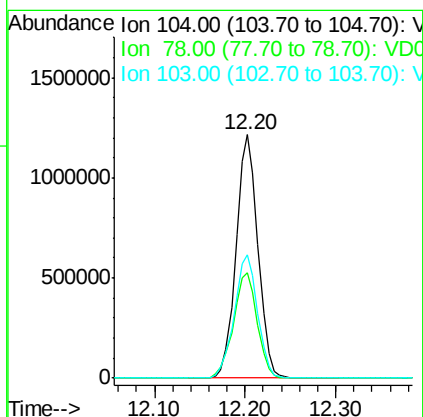
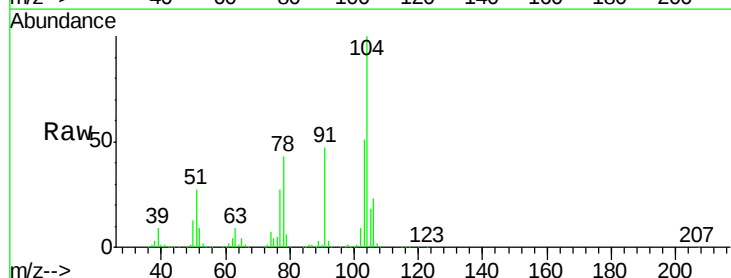
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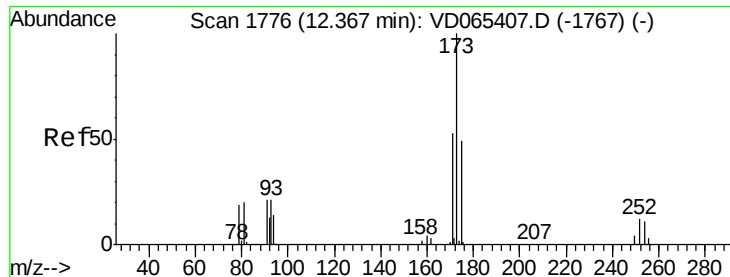
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#70
Styrene
Concen: 149.292 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion:104 Resp: 2035245
Ion Ratio Lower Upper
104 100
78 47.1 37.7 56.5
103 54.2 43.6 65.4





#71

Bromoform

Concen: 150.341 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

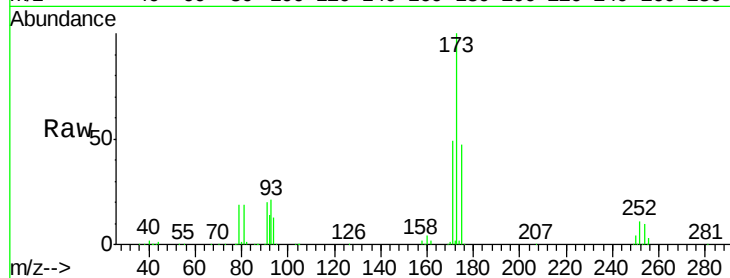
ClientSampleId :

VSTDIC150

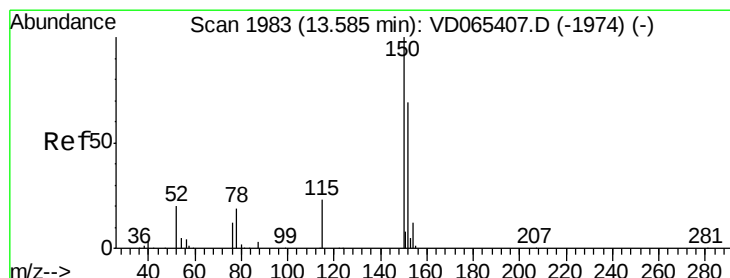
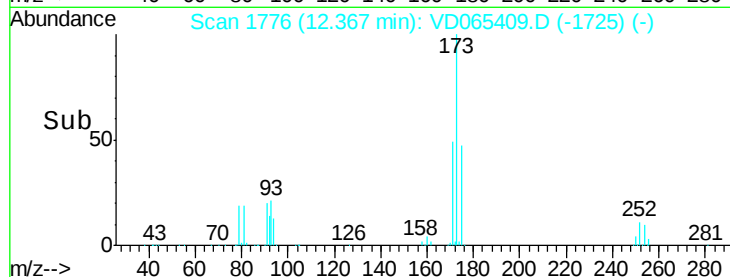
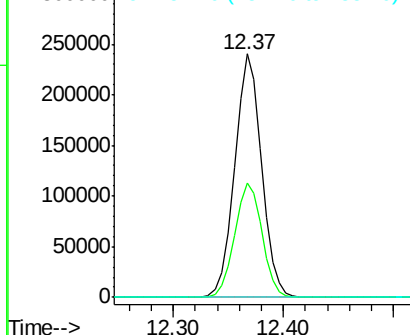
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.2	0.1	0.1#

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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

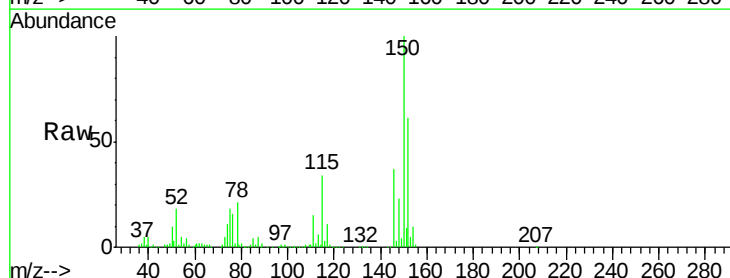
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

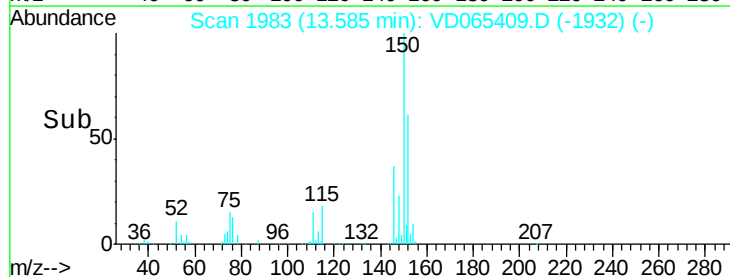
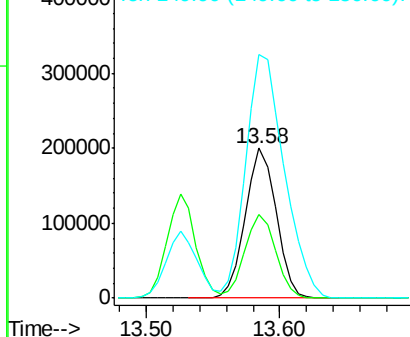
Lab File: VD065409.D

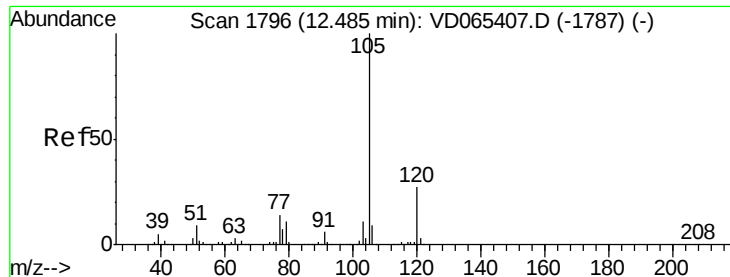
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	202.5	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: 150.794 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3160993

Ion Ratio Lower Upper

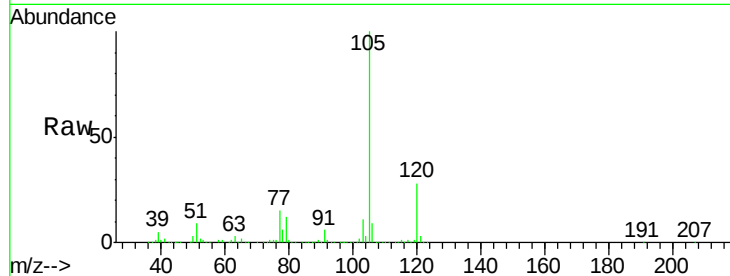
105 100

120 27.1 13.5 40.4

Manual Integrations
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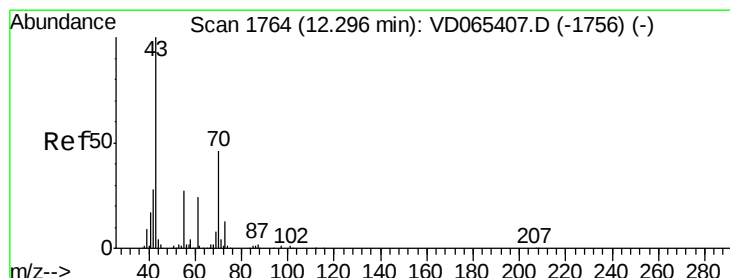
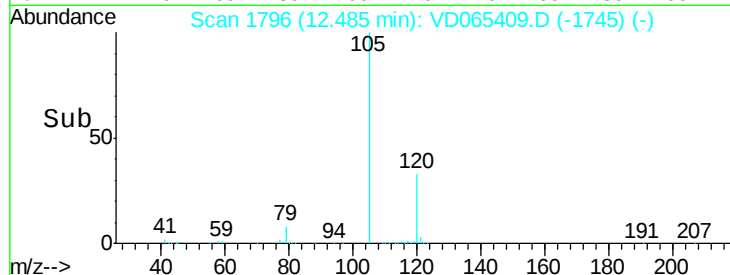
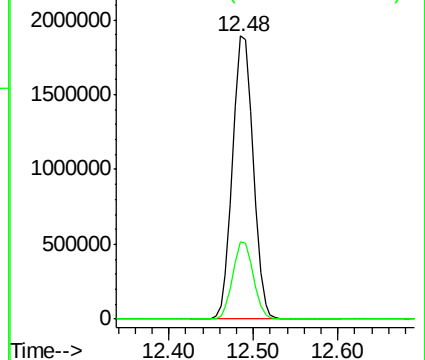
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 174.561 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion: 43 Resp: 755615

Ion Ratio Lower Upper

43 100

70 44.2 36.1 54.1

55 24.9 21.6 32.4

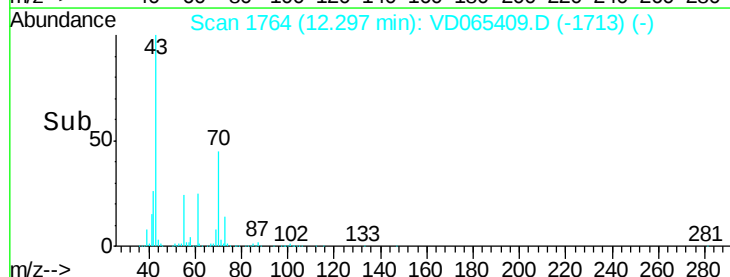
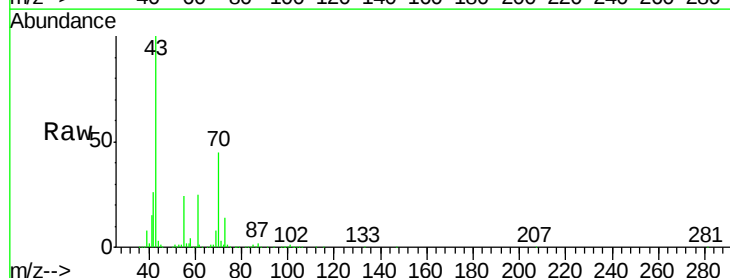
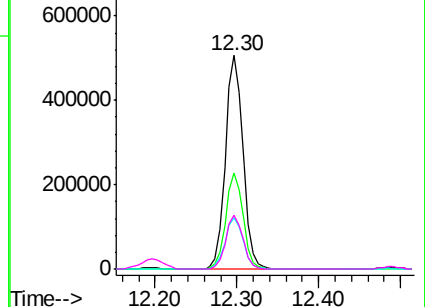
61 24.7 19.6 29.4

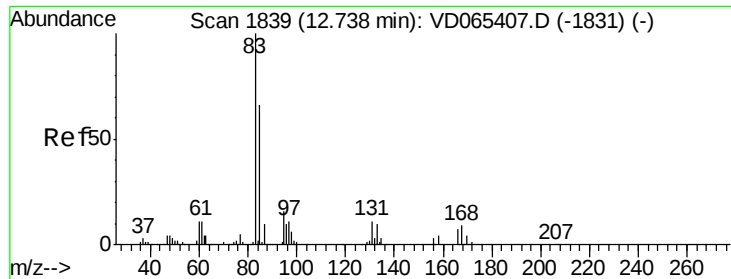
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 149.612 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

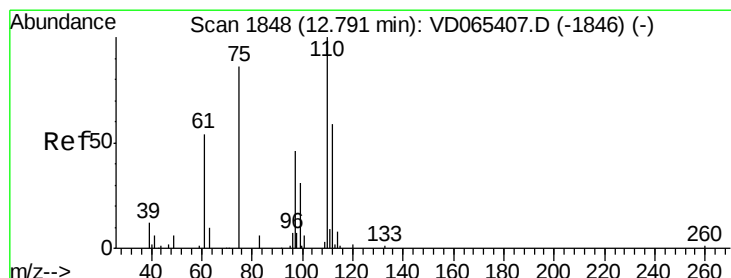
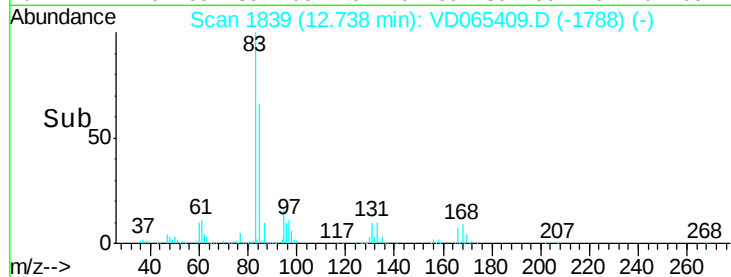
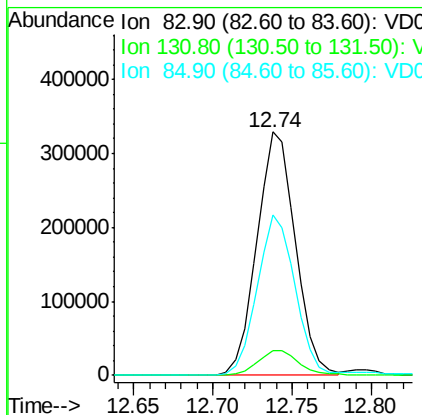
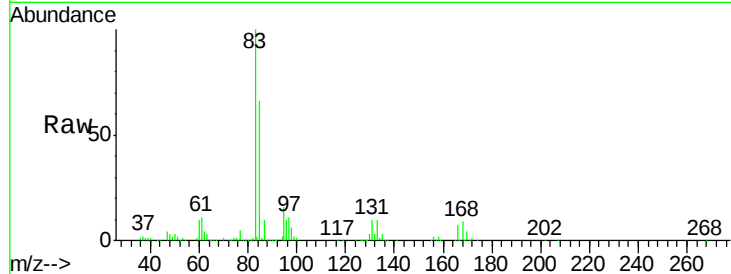
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	556354
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.7	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 88.760 ug/l m

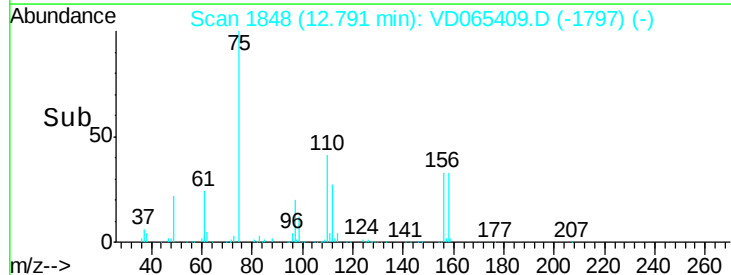
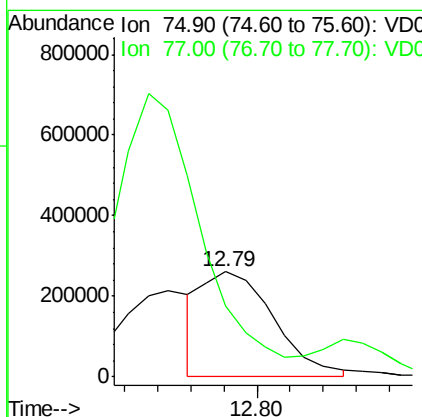
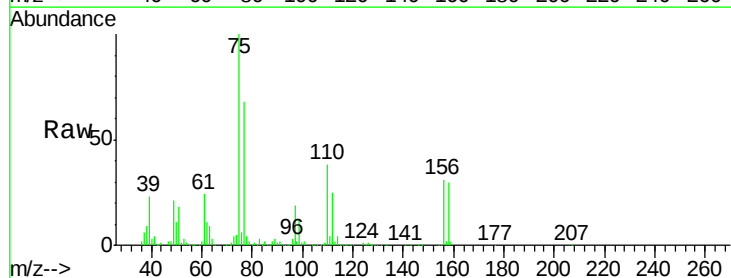
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	75	Resp:	391279
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 145.299 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 763715

Ion Ratio Lower Upper

156 100

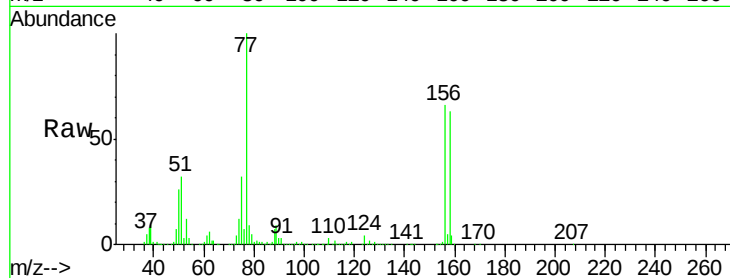
77 171.1 84.9 254.6

158 96.4 49.0 147.2

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

800000

600000

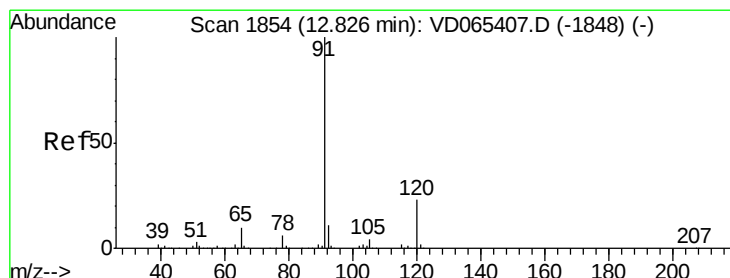
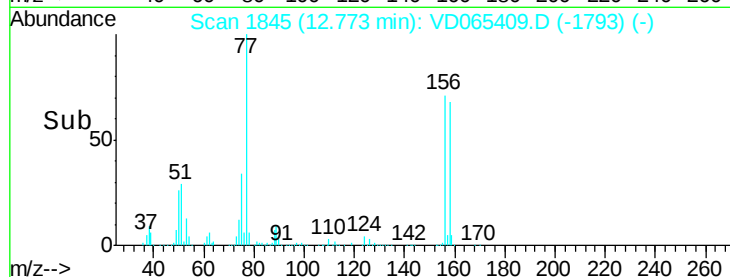
400000

200000

0

12.70 12.80

Time-->



#78

n-propylbenzene

Concen: 146.812 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065409.D

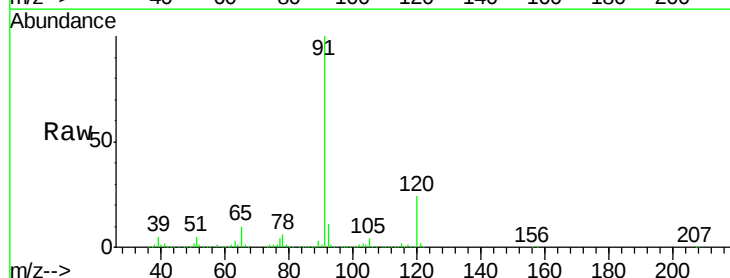
Acq: 04 Mar 2020 12:55

Tgt Ion: 91 Resp: 3662500

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

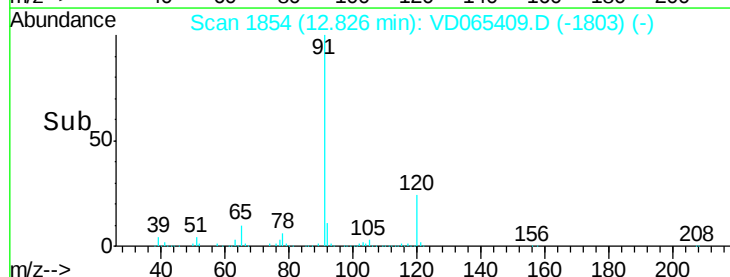
1000000

500000

0

12.75 12.80 12.85 12.90

Time-->





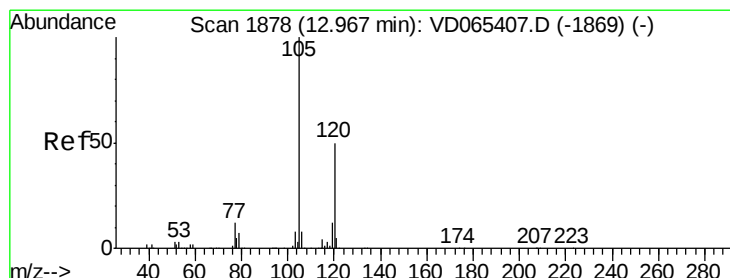
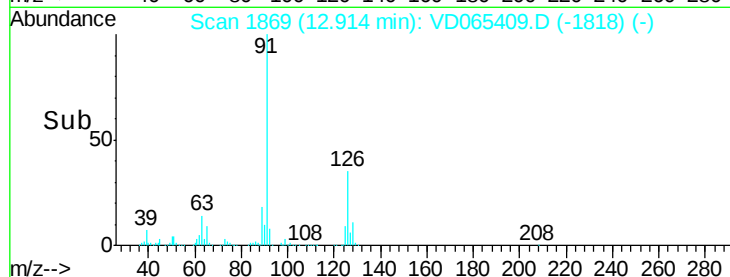
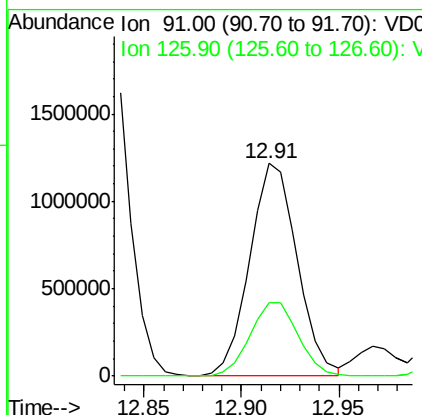
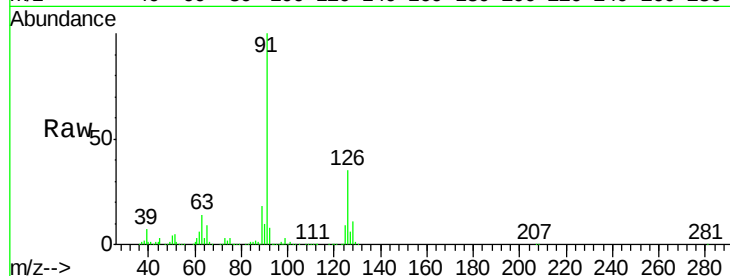
#79
2-Chlorotoluene
Concen: 145.695 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2044719
Ion Ratio Lower Upper
91 100
126 35.3 17.9 53.8

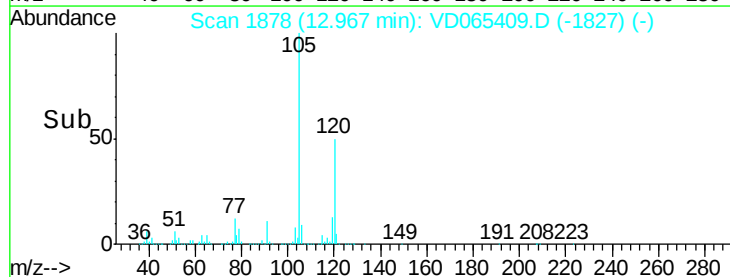
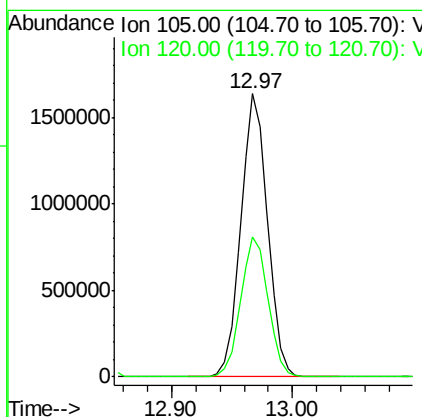
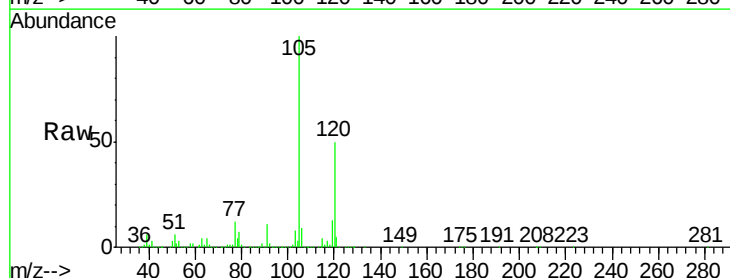
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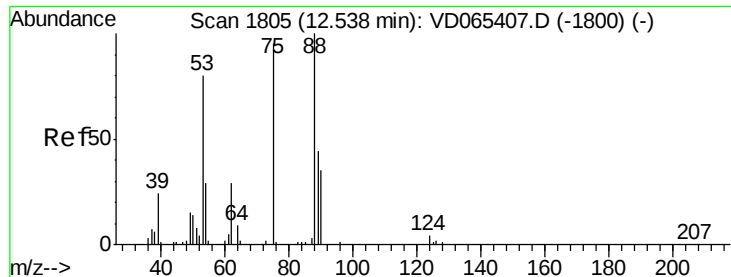
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 146.430 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion: 105 Resp: 2527048
Ion Ratio Lower Upper
105 100
120 50.7 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 167.600 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

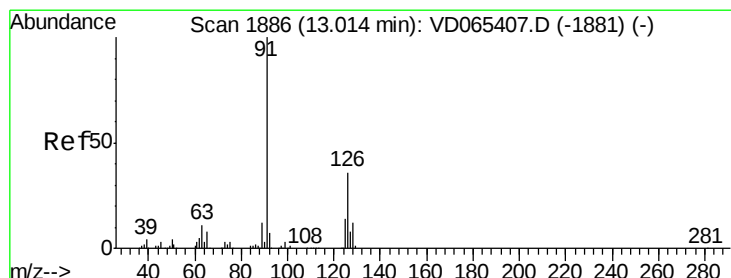
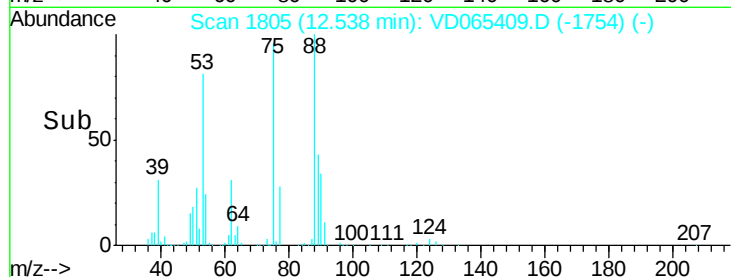
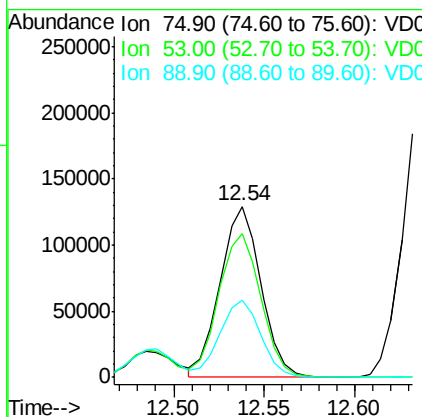
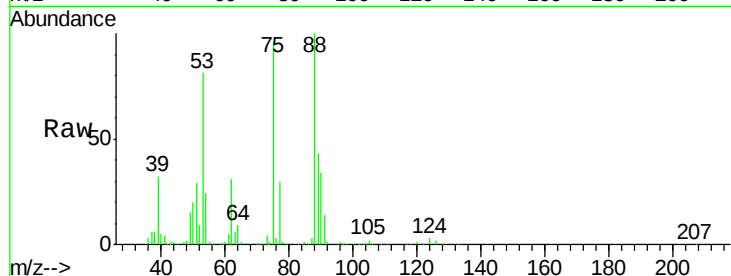
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	200475
Ion	Ratio	Lower	Upper
75	100		
53	87.6	71.3	106.9
89	46.0	37.0	55.6

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#82

4-Chlorotoluene

Concen: 143.172 ug/l

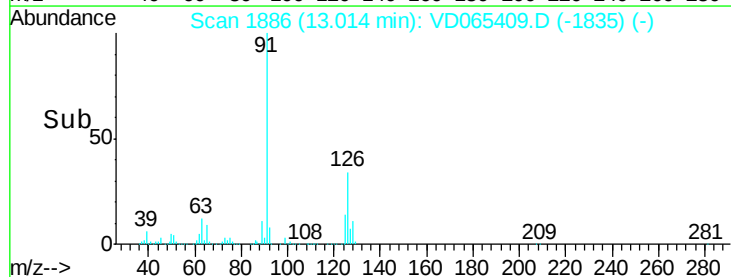
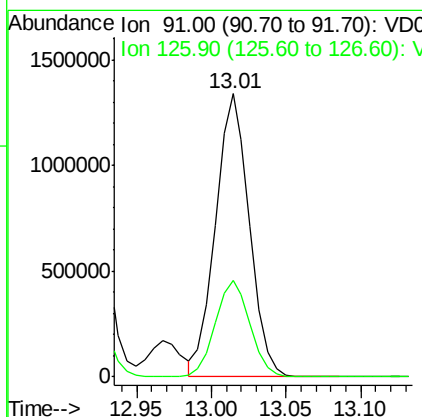
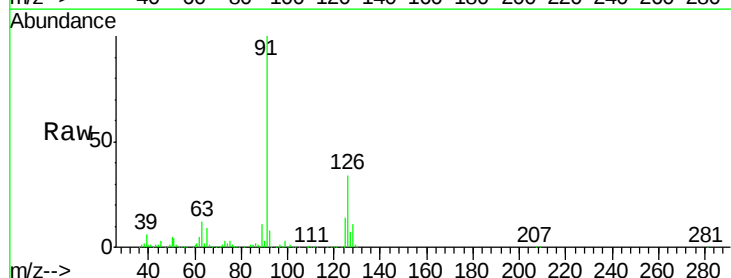
RT: 13.01 min Scan# 1886

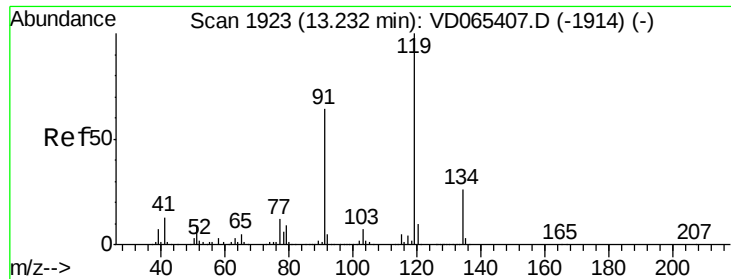
Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Tgt Ion:	91	Resp:	2118440
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.8





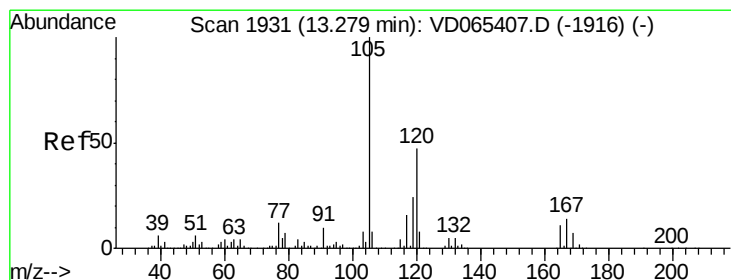
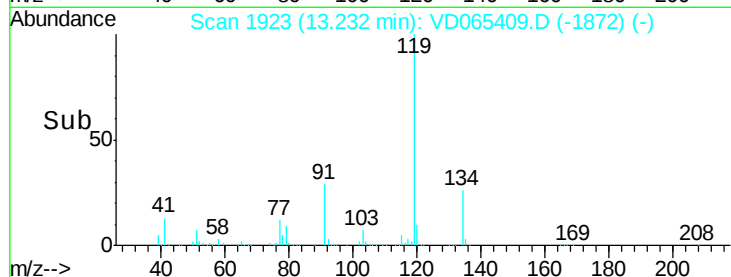
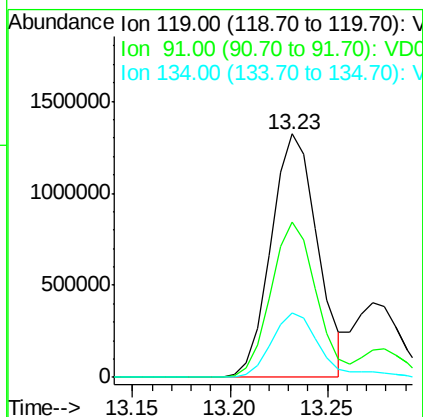
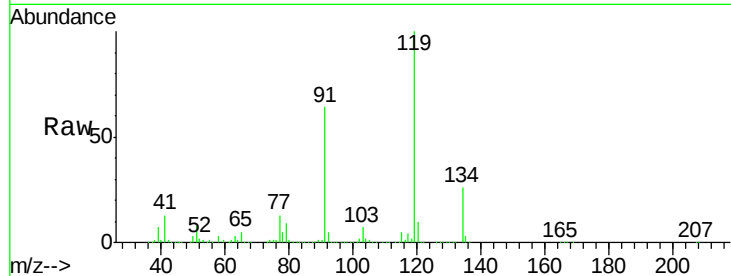
#83
tert-Butylbenzene
Concen: 149.155 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 2173285
Ion Ratio Lower Upper
119 100
91 62.7 31.6 95.0
134 28.1 14.2 42.8

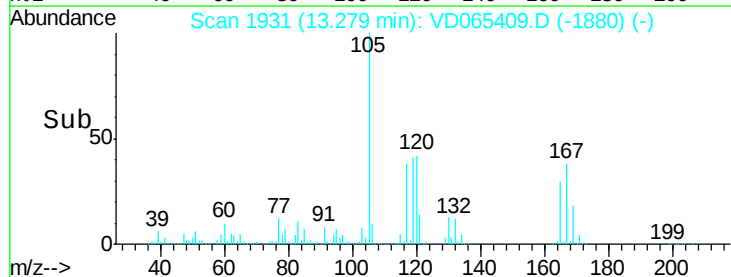
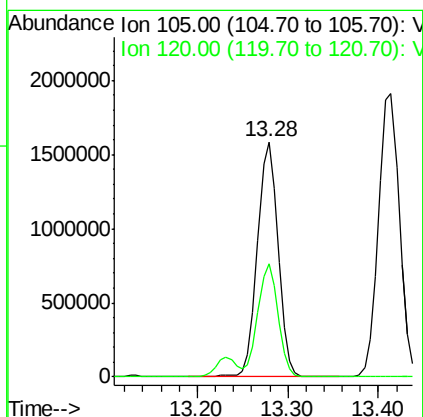
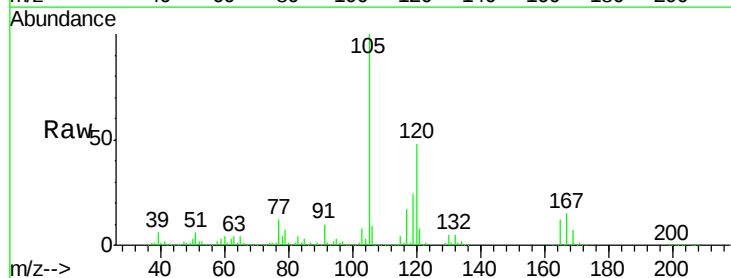
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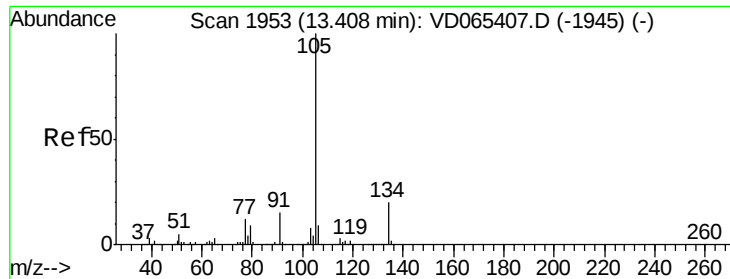
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#84
1,2,4-Trimethylbenzene
Concen: 147.848 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion:105 Resp: 2518773
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 147.618 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3069961

Ion Ratio Lower Upper

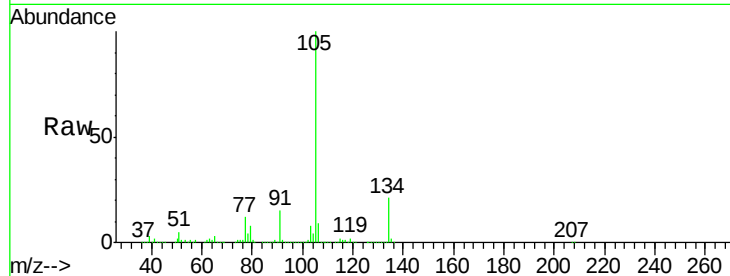
105 100

134 20.9 10.3 30.9

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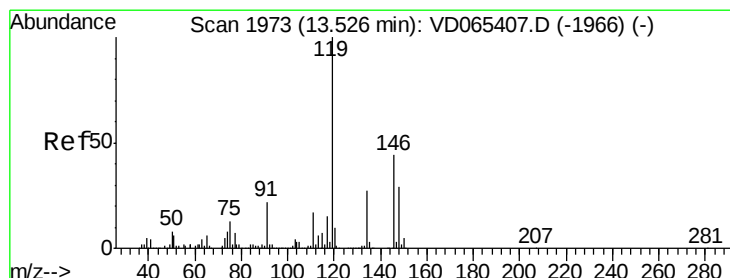
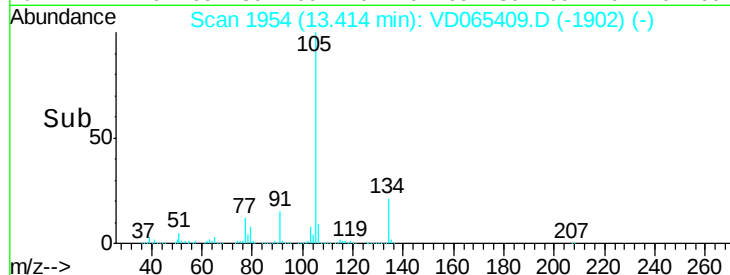
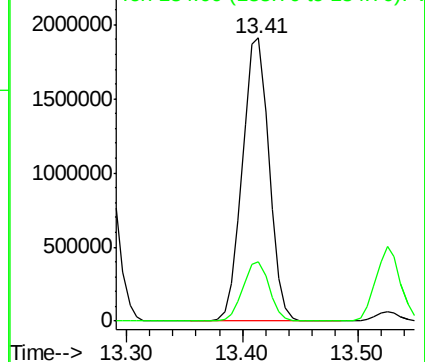
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 148.957 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

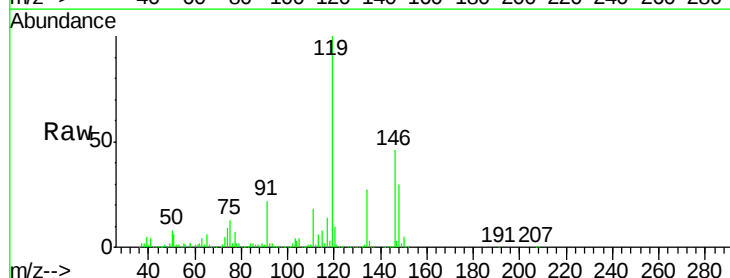
Tgt Ion:119 Resp: 2827829

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

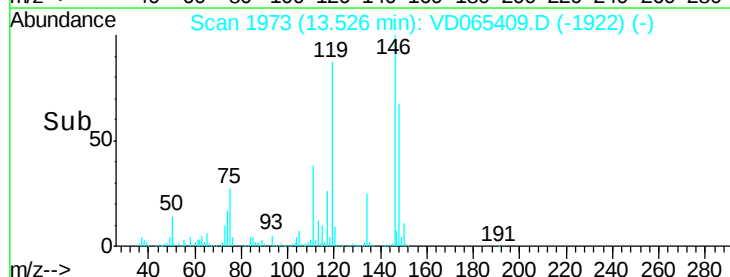
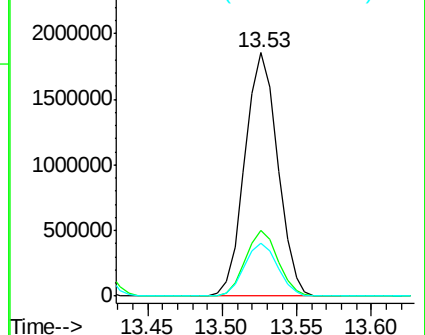
91 21.9 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 139.618 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1401574

Ion Ratio Lower Upper

146 100

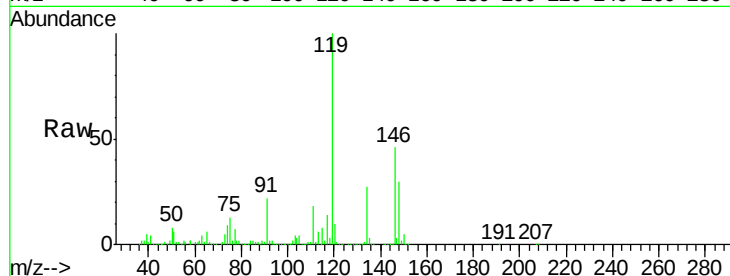
111 37.9 19.1 57.1

148 64.7 32.3 96.8

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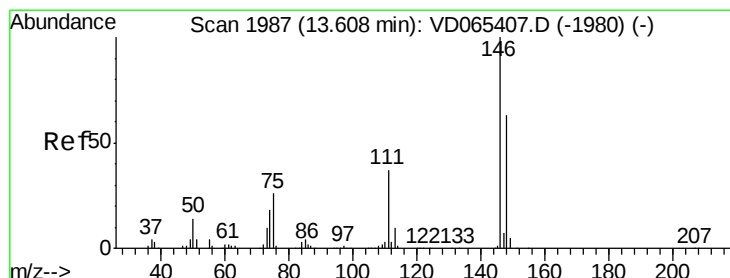
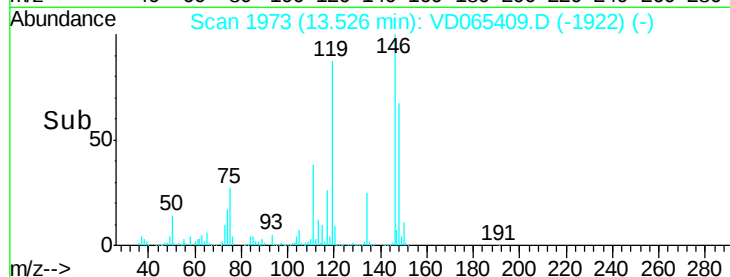
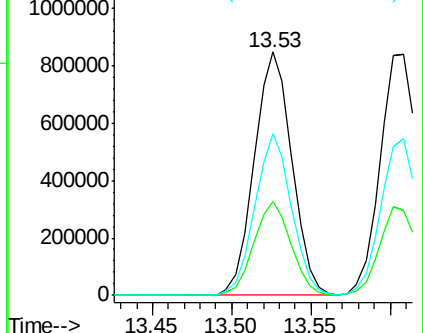
3/5/2020 1:38:38 PM



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



#88

1,4-Dichlorobenzene

Concen: 139.407 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

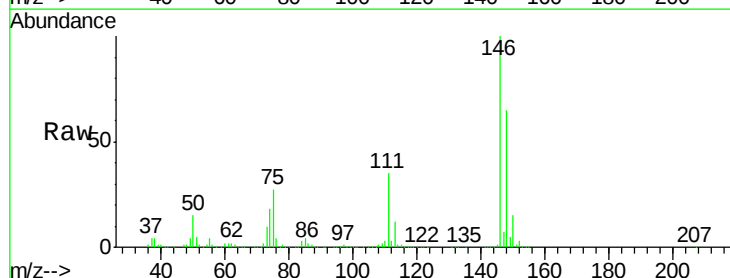
Tgt Ion:146 Resp: 1396055

Ion Ratio Lower Upper

146 100

111 36.0 18.5 55.5

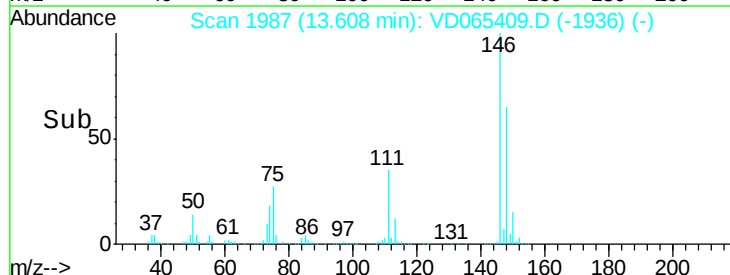
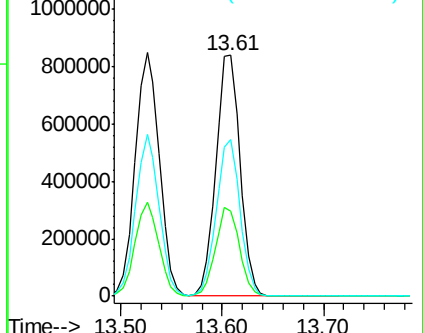
148 63.7 32.0 96.0

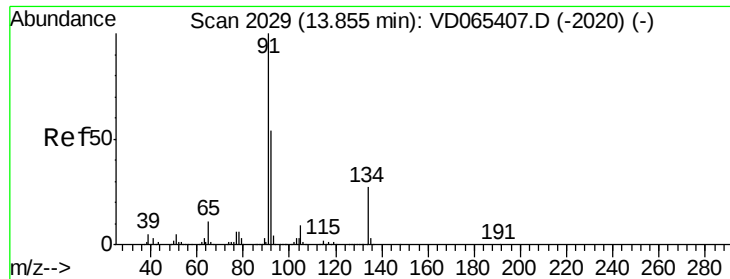


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 149.256 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065409.D

Acq: 04 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2614892

Ion Ratio Lower Upper

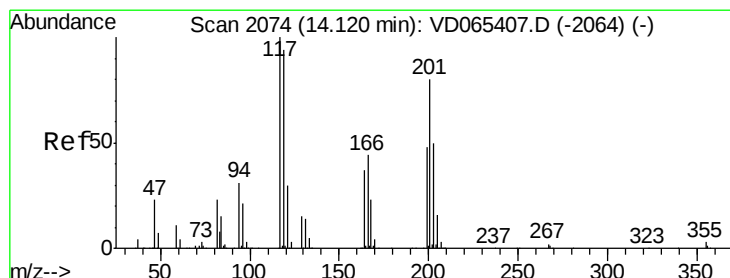
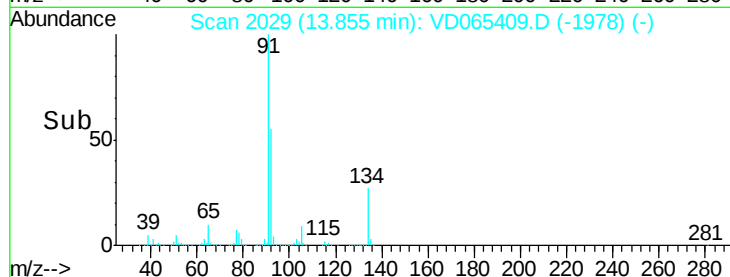
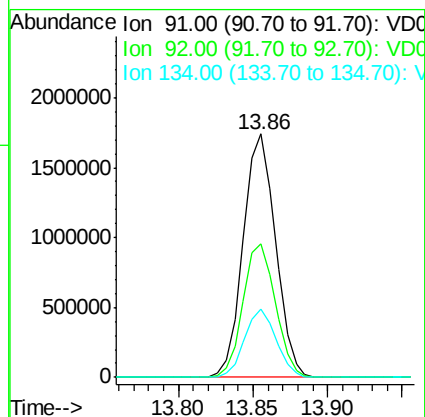
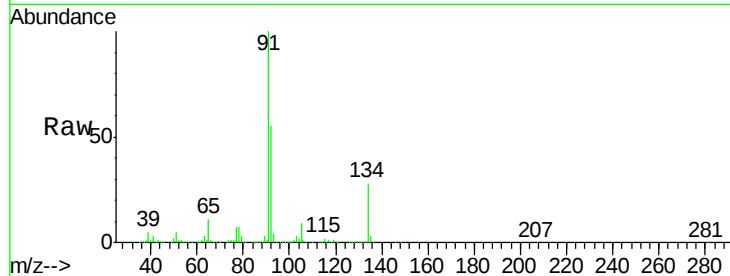
91 100

92 54.9 26.8 80.4

134 27.3 13.4 40.2

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#90

Hexachloroethane

Concen: 141.213 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065409.D

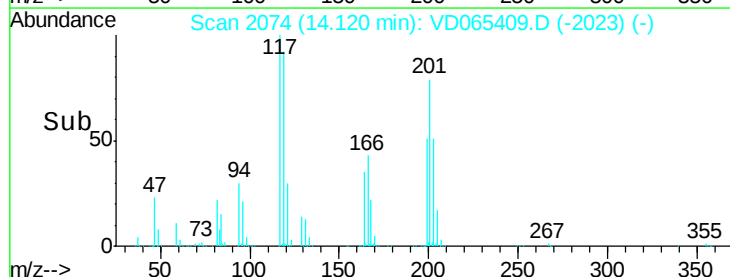
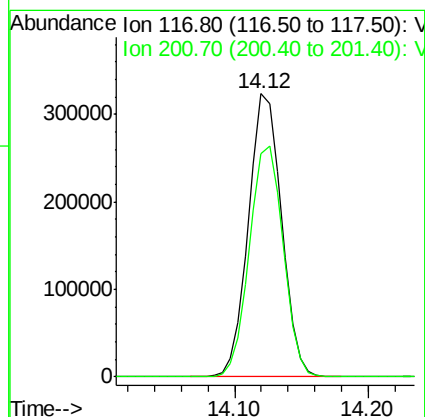
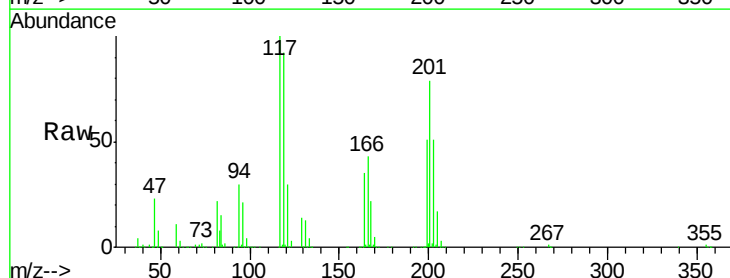
Acq: 04 Mar 2020 12:55

Tgt Ion: 117 Resp: 553567

Ion Ratio Lower Upper

117 100

201 83.3 41.9 125.6





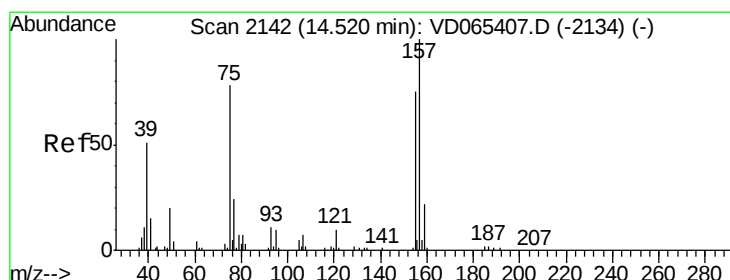
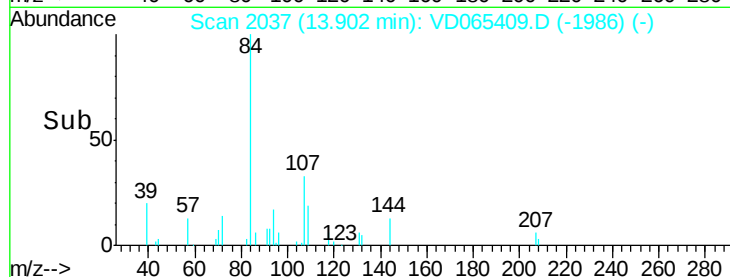
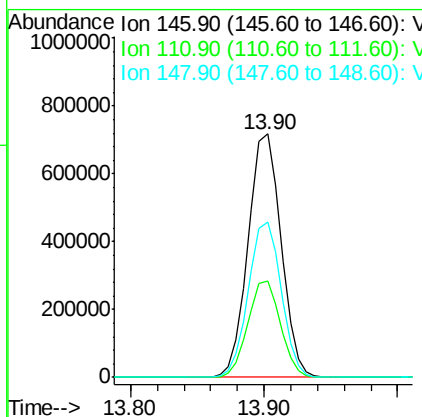
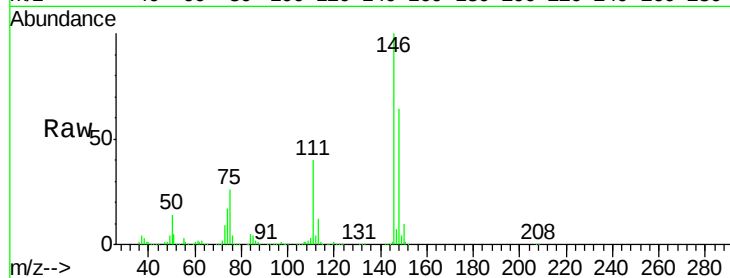
#91
 1,2-Dichlorobenzene
 Concen: 142.192 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.0	32.6	97.8

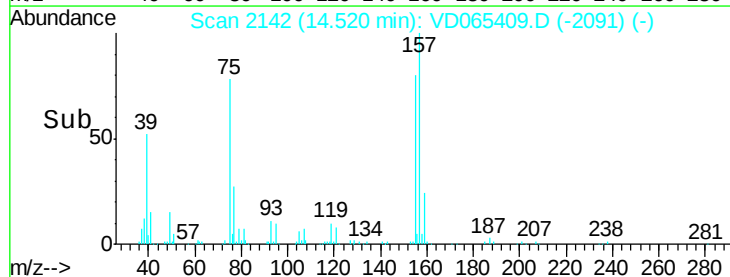
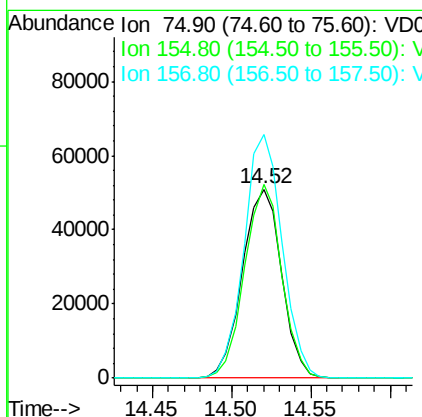
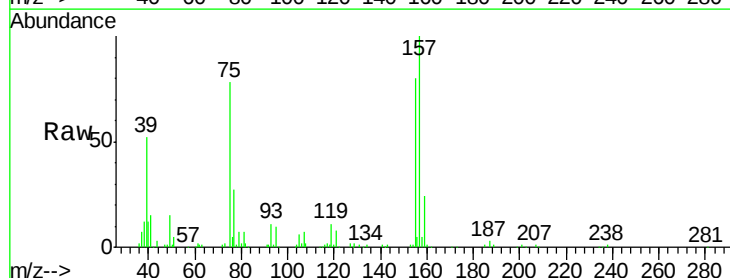
Manual Integrations
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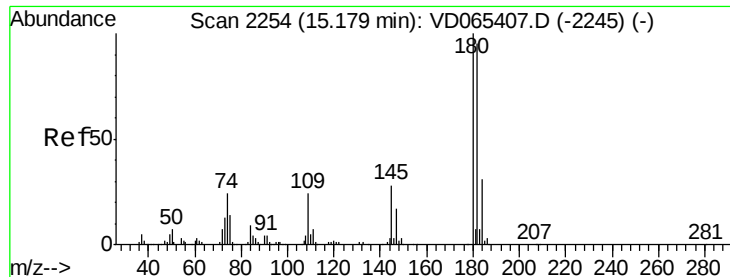
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 153.900 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	46.4	139.1
157	125.5	60.2	180.4





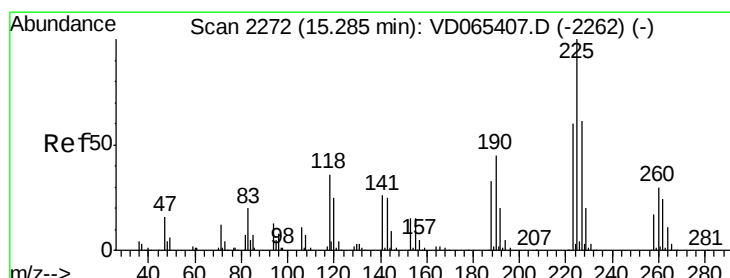
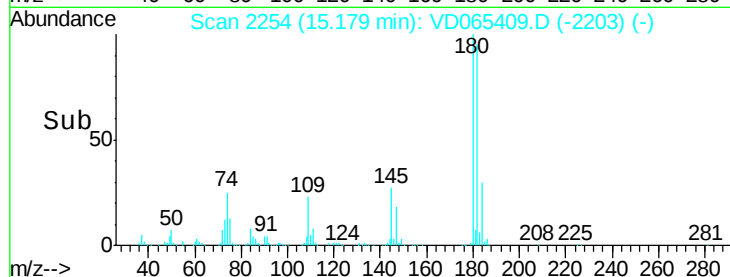
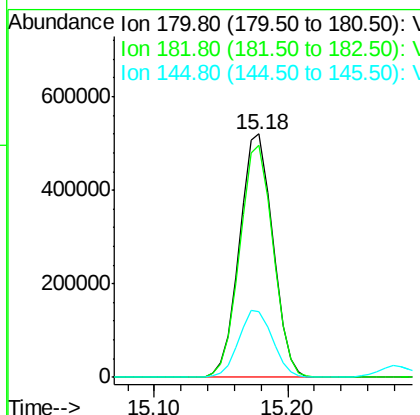
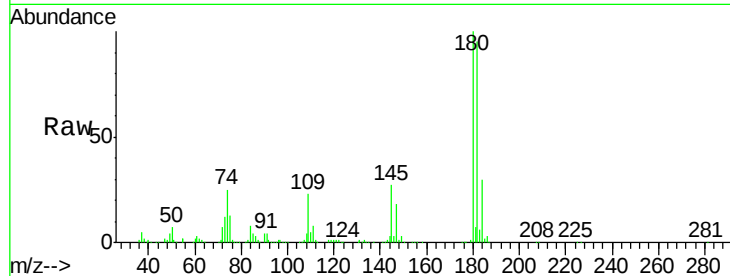
#93
 1,2,4-Trichlorobenzene
 Concen: 155.365 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	899409		
182	95.4	48.3	144.9	
145	28.1	14.4	43.4	

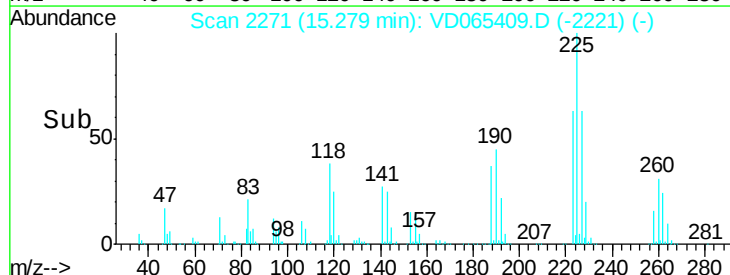
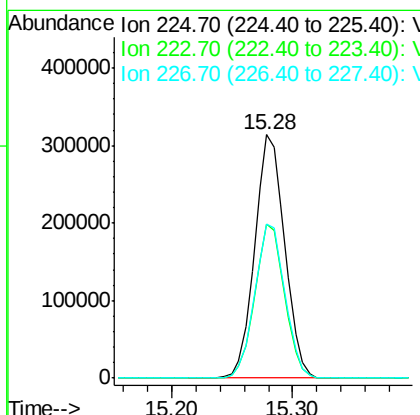
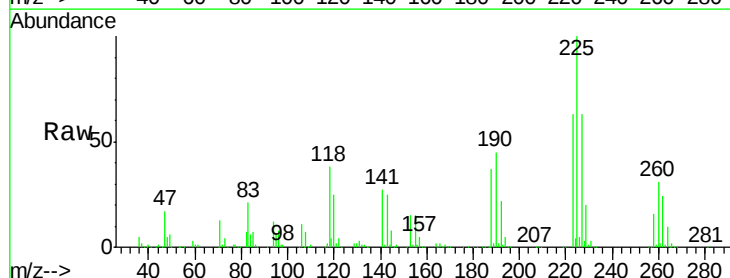
Manual Integrations
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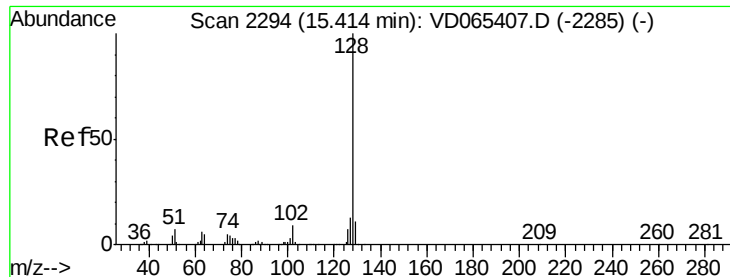
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#94
 Hexachlorobutadiene
 Concen: 142.546 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065409.D
 Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	539796		
223	62.7	30.9	92.5	
227	63.8	31.6	94.7	





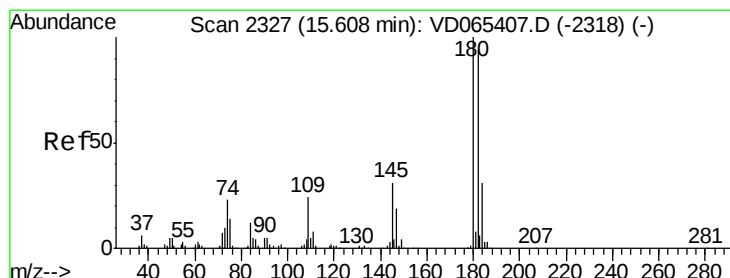
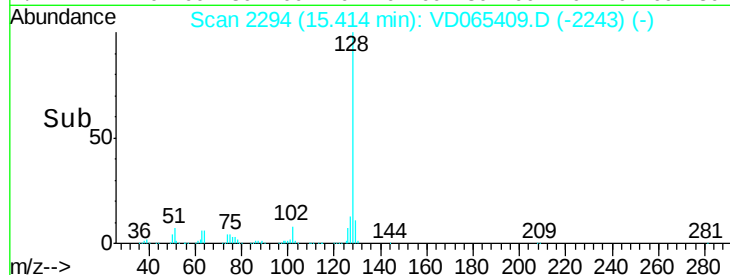
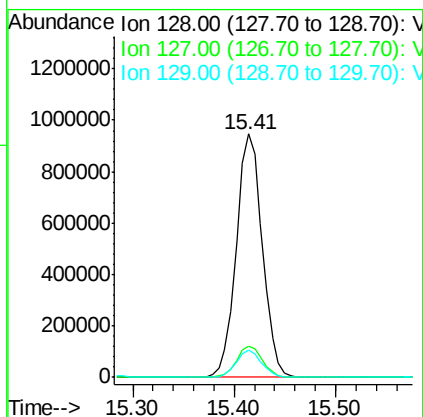
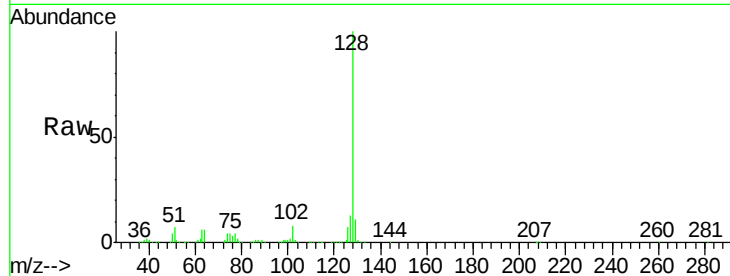
#95
Naphthalene
Concen: 180.695 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 156.008 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065409.D
Acq: 04 Mar 2020 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	30.4	15.0	45.1

