

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064749.D
 Acq On : 03 Jan 2020 23:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:01 AM

Quant Time: Jan 06 07:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	366789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	489425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169802	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.91	113	169656	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	638026	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.64	95	206091	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131952	46.291	ug/l	99
3) Chloromethane	2.21	50	205154	51.461	ug/l	99
4) Vinyl Chloride	2.35	62	246688	50.751	ug/l	97
5) Bromomethane	2.77	94	177201	50.139	ug/l	99
6) Chloroethane	2.92	64	173803	53.364	ug/l	99
7) Trichlorofluoromethane	3.27	101	410867	50.201	ug/l	99
8) Diethyl Ether	3.71	74	88685	54.567	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	170417	50.278	ug/l	99
10) Methyl Iodide	4.29	142	203313	55.843	ug/l	100
11) Tert butyl alcohol	5.24	59	60276	325.185	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	164119	50.859	ug/l	100
13) Acrolein	3.92	56	77134	298.592	ug/l	98
14) Allyl chloride	4.71	41	267439	53.156	ug/l	99
15) Acrylonitrile	5.43	53	196568	290.367	ug/l	98
16) Acetone	4.17	43	182710	270.714	ug/l	92
17) Carbon Disulfide	4.40	76	500882	48.003	ug/l	99
18) Methyl Acetate	4.73	43	103814	57.013	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	411402	57.398	ug/l	96
20) Methylene Chloride	4.96	84	193771	59.509	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	192415	52.358	ug/l	99
22) Diisopropyl ether	6.37	45	579495	57.746	ug/l	99
23) Vinyl Acetate	6.31	43	1650094	289.867	ug/l	97
24) 1,1-Dichloroethane	6.27	63	335740	55.729	ug/l	98
25) 2-Butanone	7.22	43	259840	292.273	ug/l	98
26) 2,2-Dichloropropane	7.21	77	274942	49.086	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	219771	55.411	ug/l	99
28) Bromochloromethane	7.55	49	134167	57.290	ug/l	99
29) Tetrahydrofuran	7.57	42	165063	298.558	ug/l	99
30) Chloroform	7.71	83	358726	56.754	ug/l	99
31) Cyclohexane	7.98	56	283845	47.068	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	319558	53.827	ug/l	99
36) 1,1-Dichloropropene	8.11	75	273159	51.797	ug/l	99
37) Ethyl Acetate	7.30	43	116817	56.385	ug/l	99
38) Carbon Tetrachloride	8.10	117	294954	52.452	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	309900	48.518	ug/l	97
40) Benzene	8.35	78	773314	53.715	ug/l	98
41) Methacrylonitrile	7.53	41	56649m	47.127	ug/l	
42) 1,2-Dichloroethane	8.43	62	231553	55.658	ug/l	99
43) Isopropyl Acetate	8.46	43	230082	55.795	ug/l	100
44) Trichloroethene	9.11	130	219441	51.886	ug/l	100
45) 1,2-Dichloropropane	9.39	63	192419	55.979	ug/l	96
46) Dibromomethane	9.48	93	108183	56.450	ug/l	99
47) Bromodichloromethane	9.67	83	285481	55.981	ug/l	99
48) Methyl methacrylate	9.46	41	108173	55.712	ug/l	93
49) 1,4-Dioxane	9.47	88	25100	1135.851	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	583139	286.098	ug/l	100
52) Toluene	10.40	92	510926	54.093	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	263945	55.515	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	310841	55.446	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	145970	56.518	ug/l	92
56) Ethyl methacrylate	10.67	69	183229	56.806	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245459	55.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	312554	254.338	ug/l	99
59) 2-Hexanone	10.99	43	403547	291.706	ug/l	100
60) Dibromochloromethane	11.14	129	199994	55.996	ug/l	99
61) 1,2-Dibromoethane	11.25	107	143076	56.165	ug/l	97
64) Tetrachloroethene	10.88	164	207131	55.165	ug/l	97
65) Chlorobenzene	11.67	112	538018	52.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	214519	56.019	ug/l	97
67) Ethyl Benzene	11.75	91	970276	52.626	ug/l	98
68) m/p-Xylenes	11.86	106	752422	105.731	ug/l	98
69) o-Xylene	12.18	106	346627	53.925	ug/l	98
70) Styrene	12.20	104	614952	54.504	ug/l	99
71) Bromoform	12.37	173	120502	55.180	ug/l #	100
73) Isopropylbenzene	12.48	105	920006	52.842	ug/l	100
74) N-amyl acetate	12.30	43	209620	56.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	154798	56.599	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101037m	52.518	ug/l	
77) Bromobenzene	12.77	156	228853	53.495	ug/l	98
78) n-propylbenzene	12.83	91	1074985	52.925	ug/l	99
79) 2-Chlorotoluene	12.91	91	592907	53.138	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	773689	54.097	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	50620	55.030	ug/l	98
82) 4-Chlorotoluene	13.01	91	633219	53.328	ug/l	98
83) tert-Butylbenzene	13.23	119	653406	52.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	764278	53.657	ug/l	99
85) sec-Butylbenzene	13.41	105	898120	52.757	ug/l	99
86) p-Isopropyltoluene	13.53	119	859240	52.786	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	438943	53.823	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	434578	54.244	ug/l	99
89) n-Butylbenzene	13.86	91	774573	52.840	ug/l	99
90) Hexachloroethane	14.12	117	162195	52.162	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	373862	53.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24502	55.262	ug/l	95

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VSTDCCC050

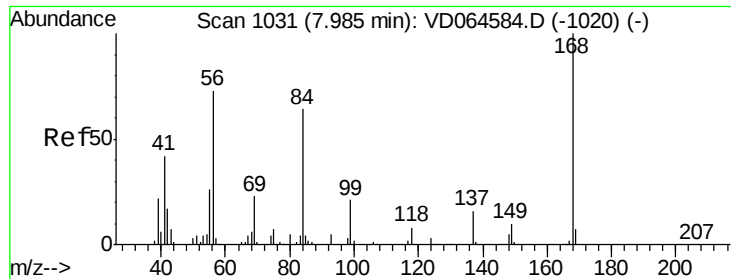
Manual Integrations
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1/6/2020 10:50:01 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	269451	52.623	ug/l	99
94) Hexachlorobutadiene	15.28	225	160254	49.736	ug/l	99
95) Naphthalene	15.41	128	452990	55.922	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	233406	53.396	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 366789

Ion Ratio Lower Upper

168 100

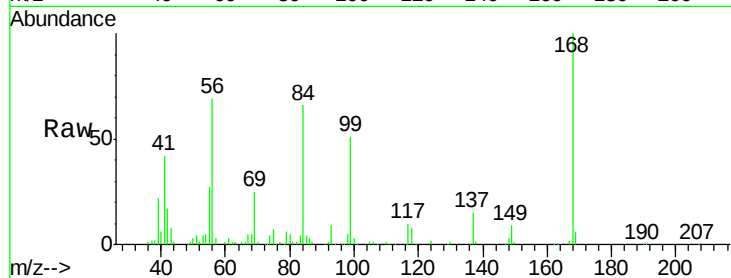
99 51.2 41.8 62.6

Manual Integrations

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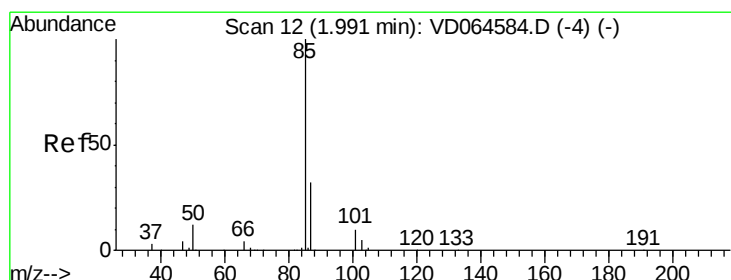
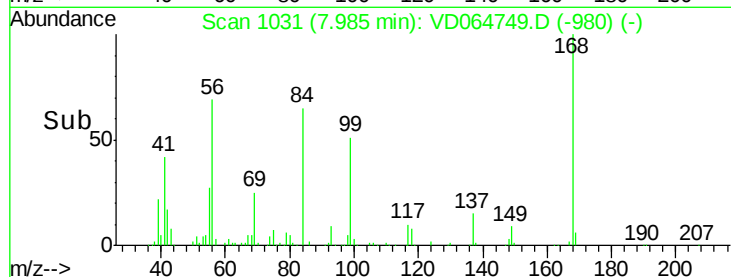
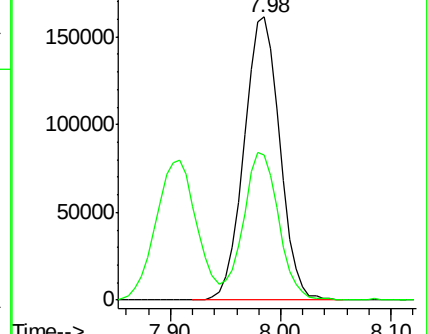
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.291 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064749.D

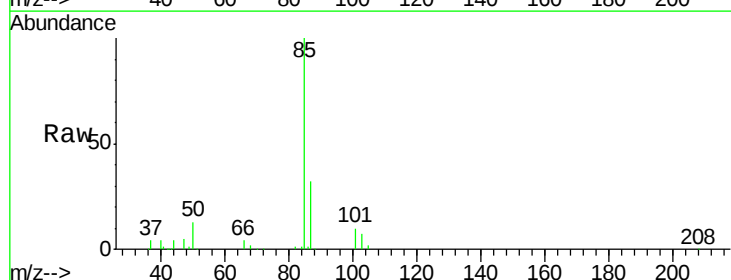
Acq: 03 Jan 2020 23:13

Tgt Ion: 85 Resp: 131952

Ion Ratio Lower Upper

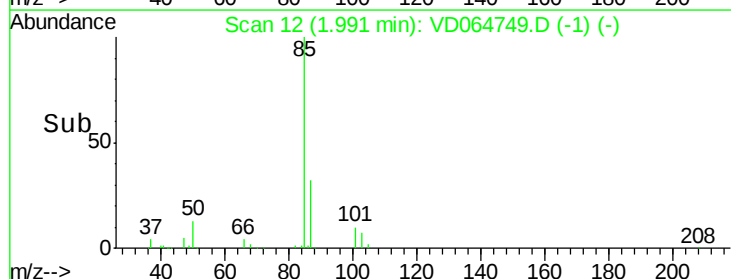
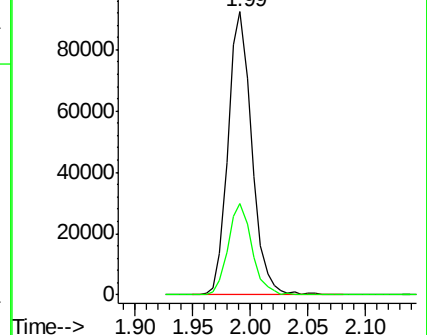
85 100

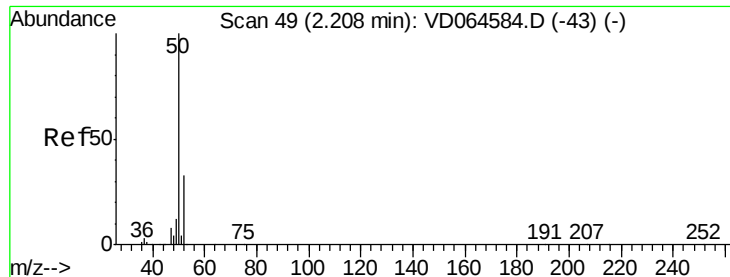
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.461 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

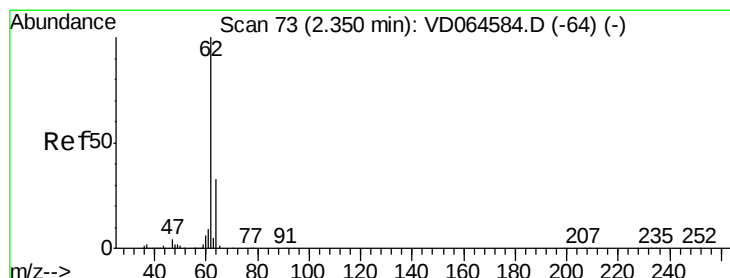
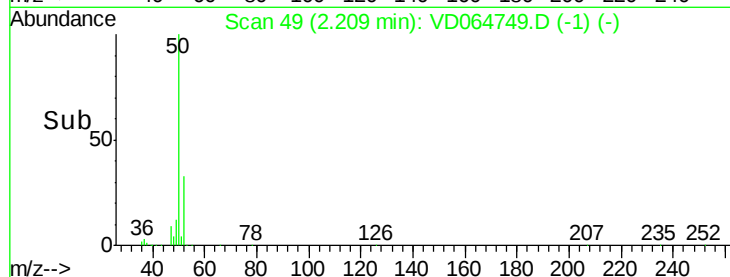
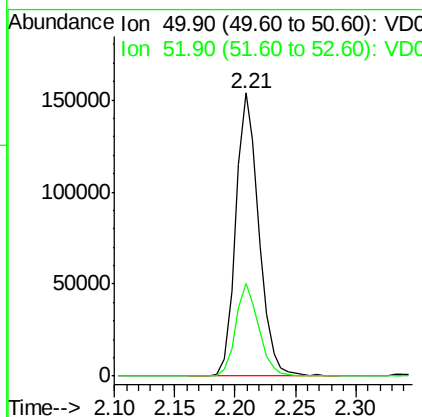
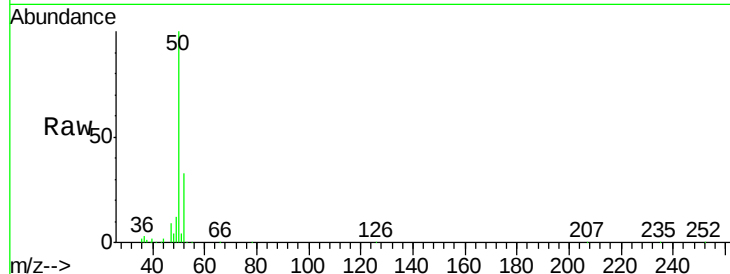
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.5	39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.751 ug/l

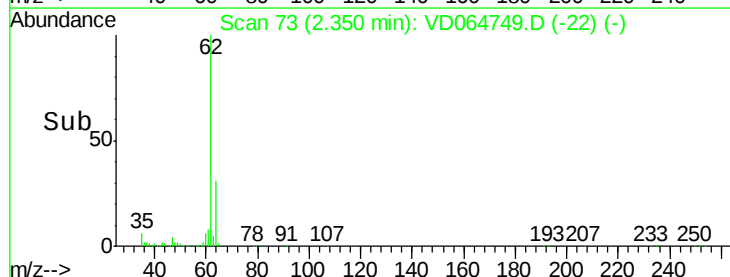
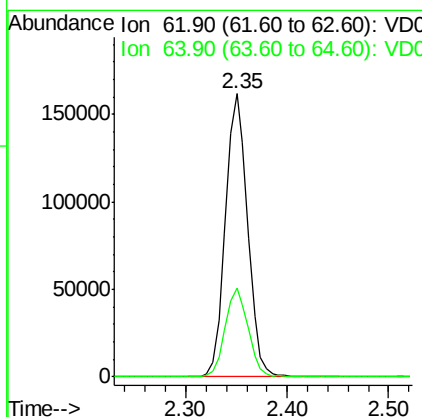
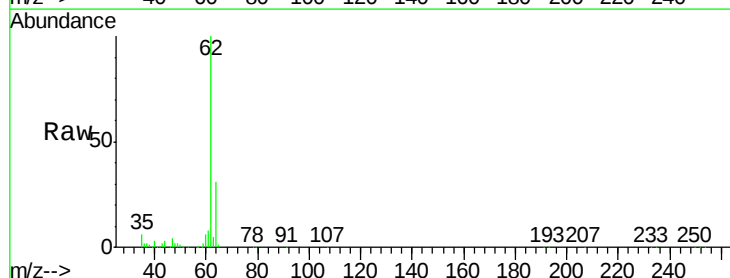
RT: 2.35 min Scan# 73

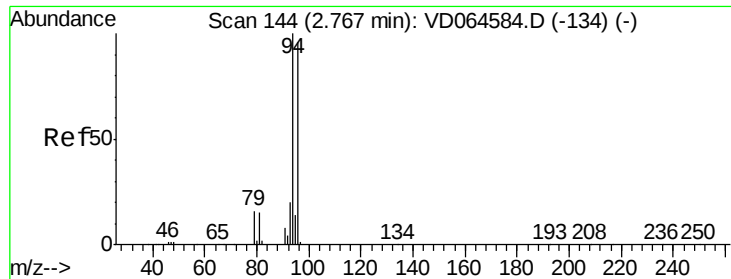
Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.6	40.0





#5

Bromomethane

Concen: 50.139 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 177201

Ion Ratio Lower Upper

94 100

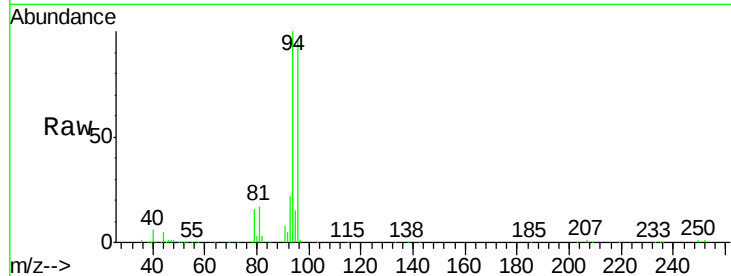
96 95.9 77.2 115.8

Manual Integrations

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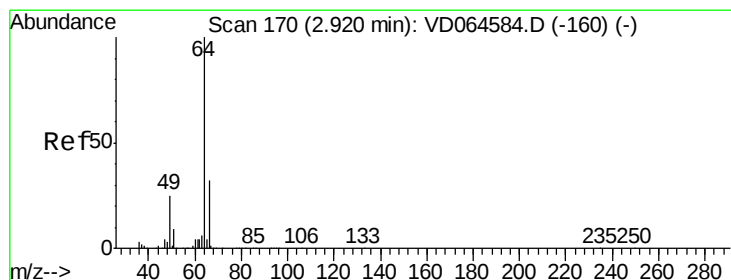
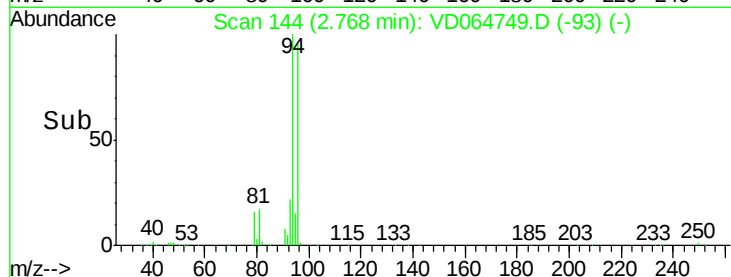
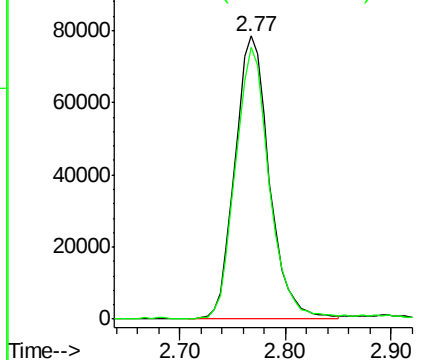
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.364 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064749.D

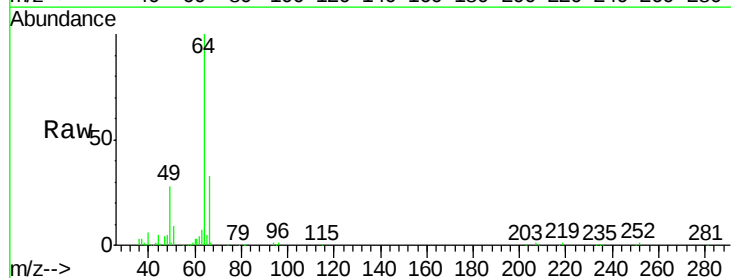
Acq: 03 Jan 2020 23:13

Tgt Ion: 64 Resp: 173803

Ion Ratio Lower Upper

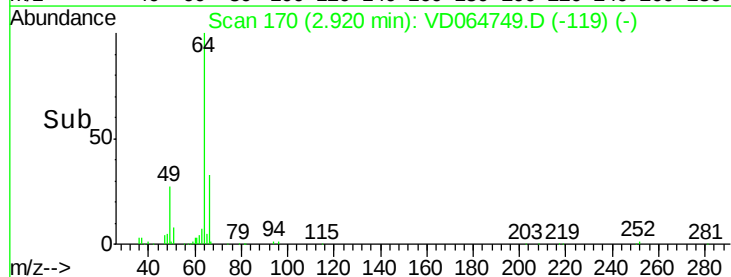
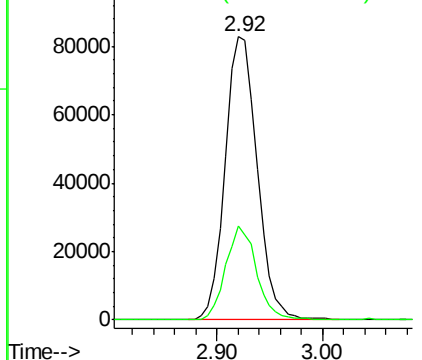
64 100

66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

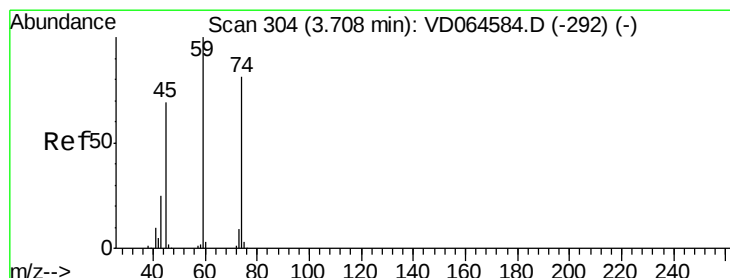
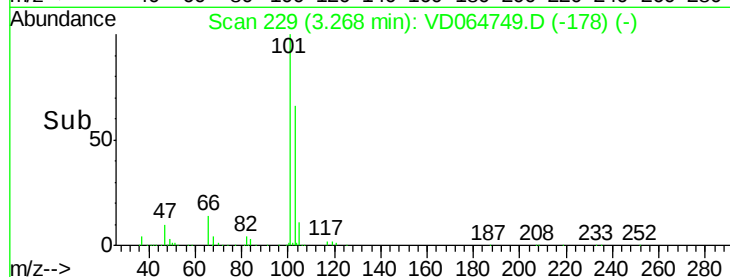
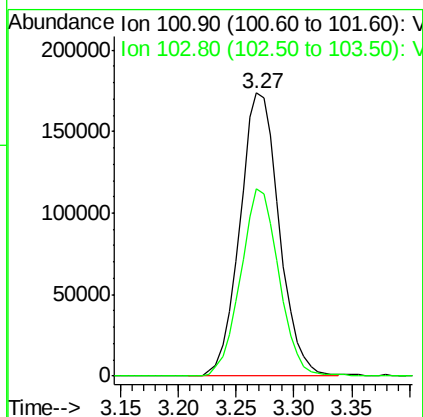
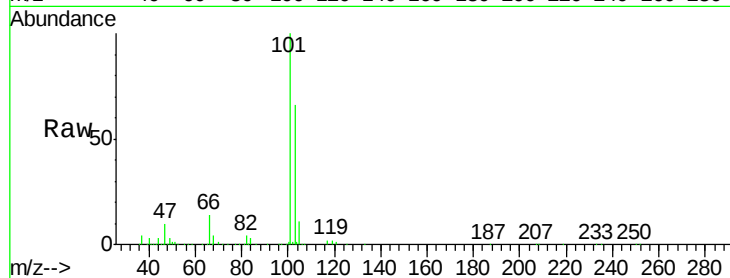
Trichlorofluoromethane
Concen: 50.201 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.4

Manual Integrations
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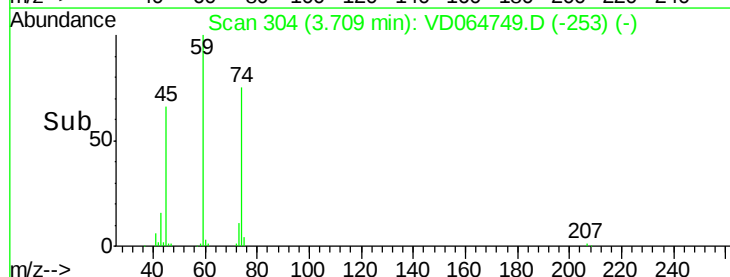
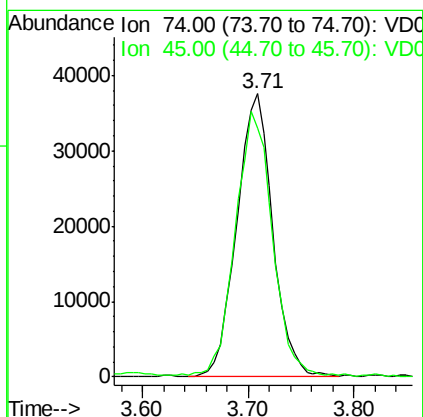
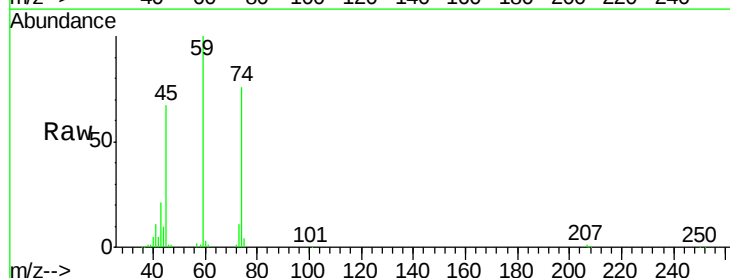
apatel
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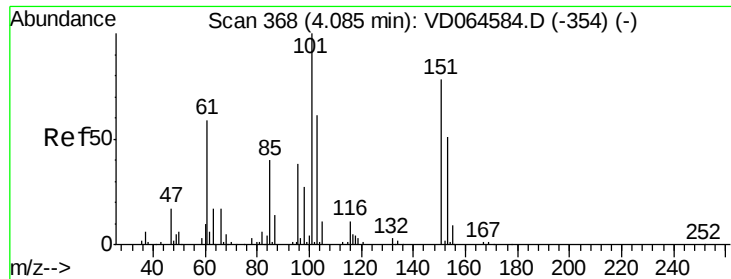


#8

Diethyl Ether
Concen: 54.567 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.278 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

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MSVOA_D

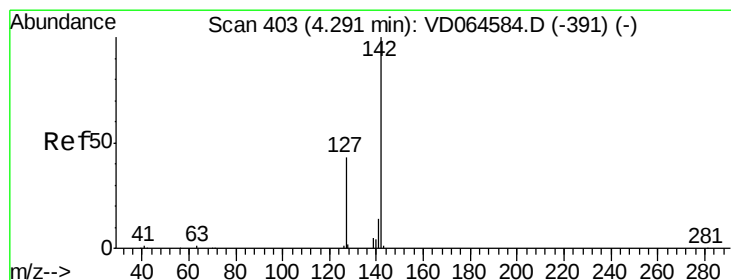
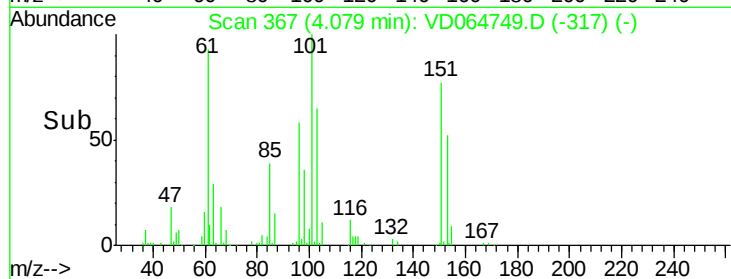
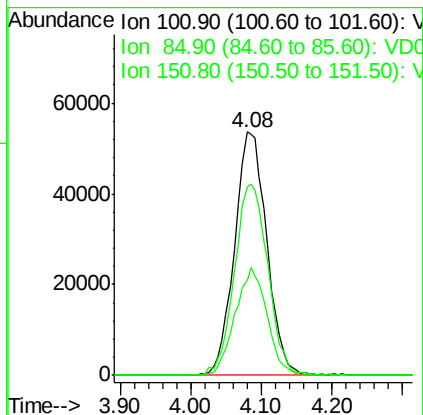
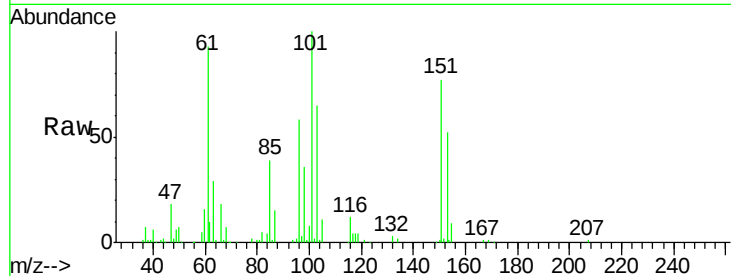
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	170417
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.2	52.8
151	81.1	66.2	99.4

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#10

Methyl Iodide

Concen: 55.843 ug/l

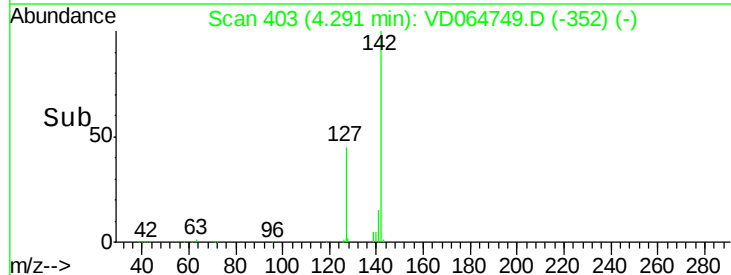
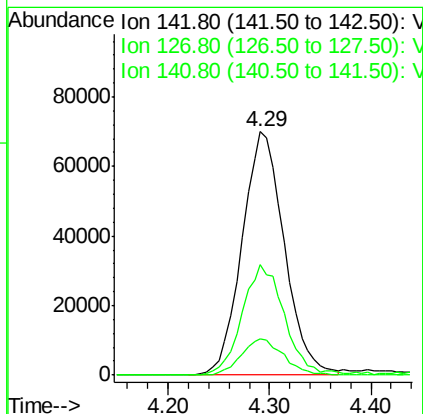
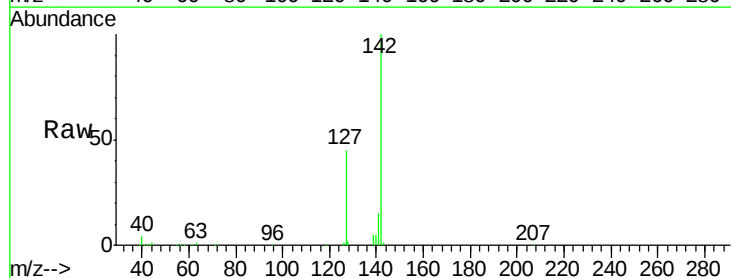
RT: 4.29 min Scan# 403

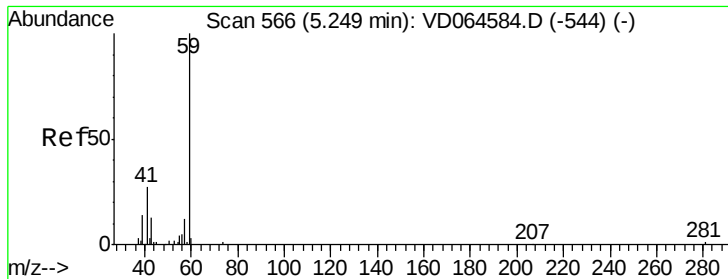
Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion:	142	Resp:	203313
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.2	54.4
141	15.1	11.8	17.8





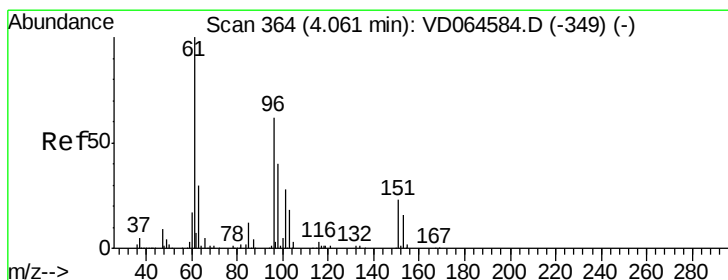
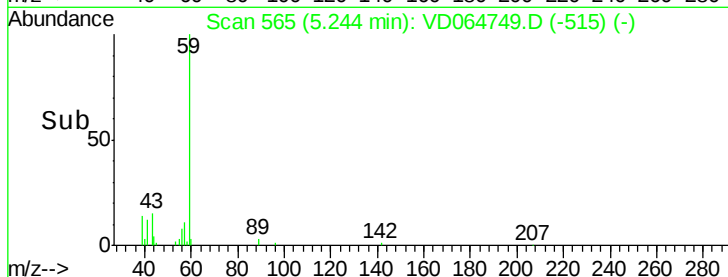
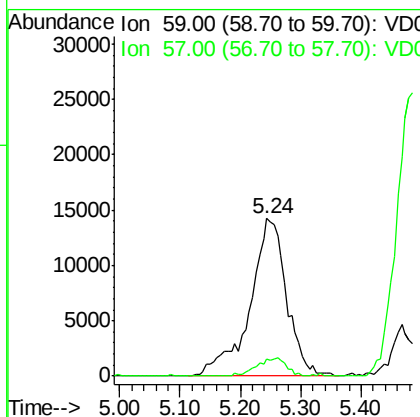
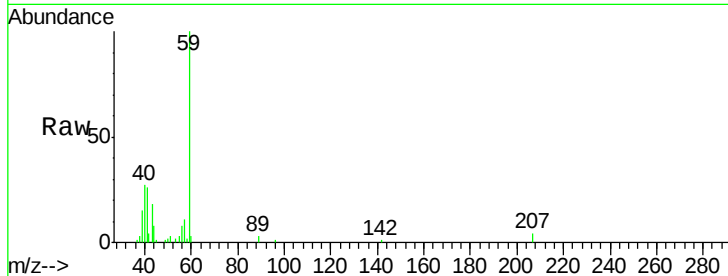
#11
Tert butyl alcohol
Concen: 325.185 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 60276
Ion Ratio Lower Upper
59 100
57 9.1 9.3 13.9#

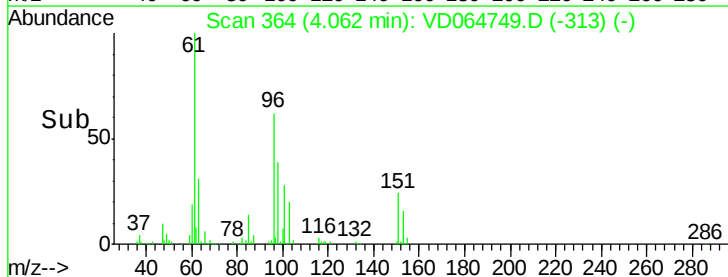
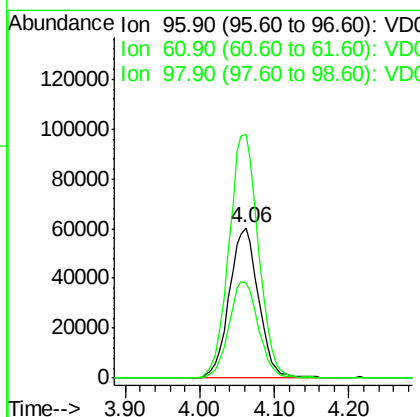
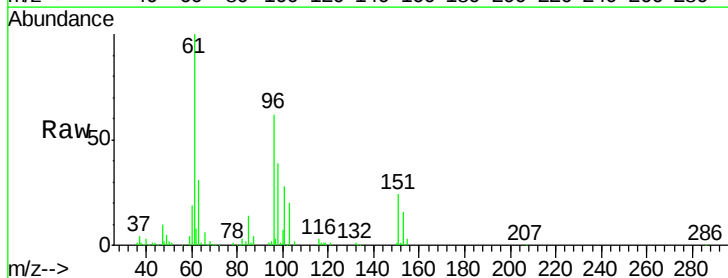
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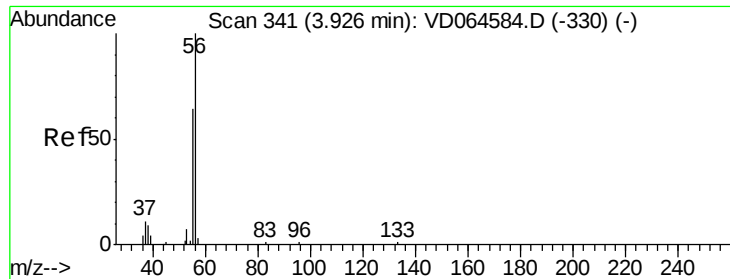
apatel
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#12
1,1-Dichloroethene
Concen: 50.859 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 96 Resp: 164119
Ion Ratio Lower Upper
96 100
61 161.8 129.4 194.0
98 63.6 51.4 77.0





#13

Acrolein

Concen: 298.592 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 77134

Ion Ratio Lower Upper

56 100

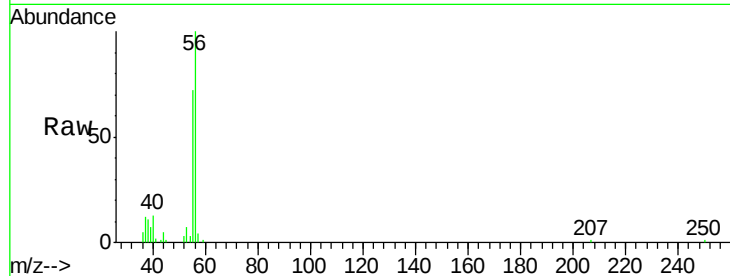
55 72.1 56.7 85.1

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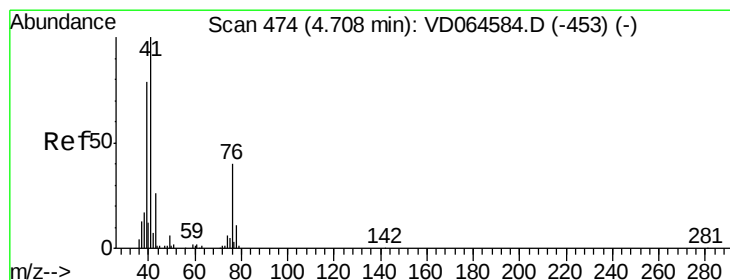
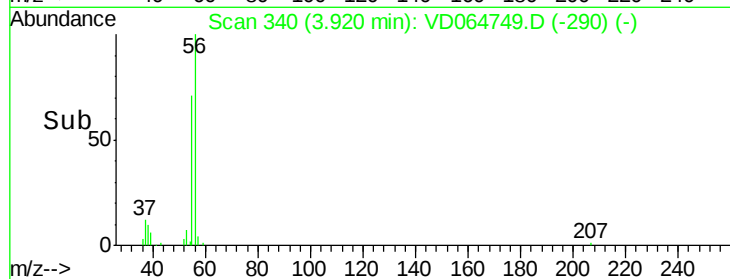
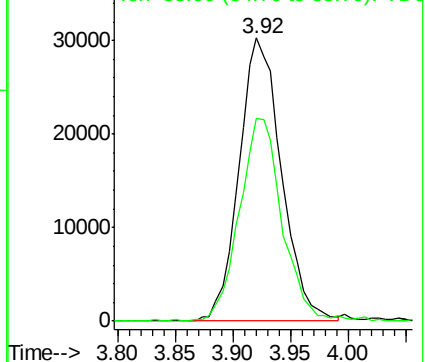
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.156 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

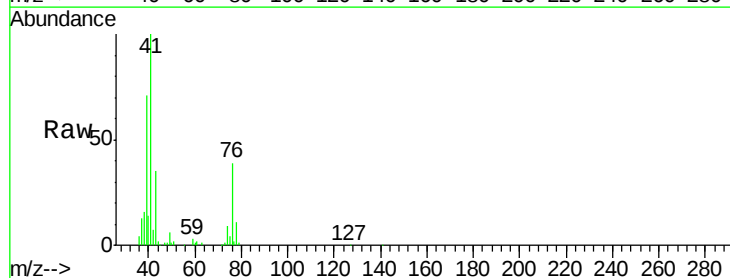
Tgt Ion: 41 Resp: 267439

Ion Ratio Lower Upper

41 100

39 78.5 62.3 93.5

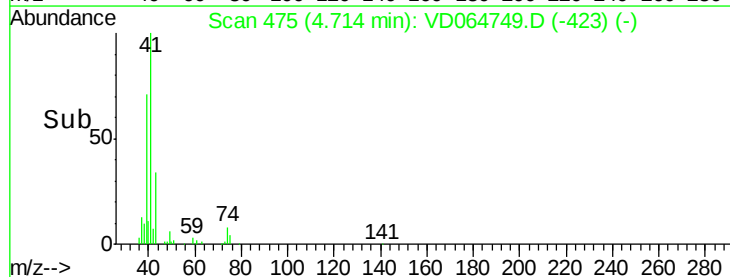
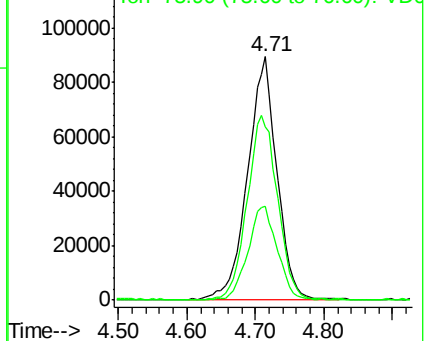
76 37.6 29.7 44.5

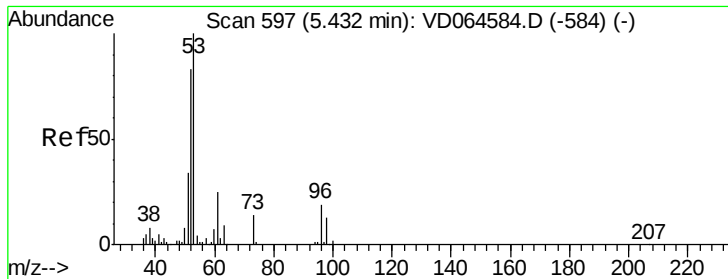


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 290.367 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

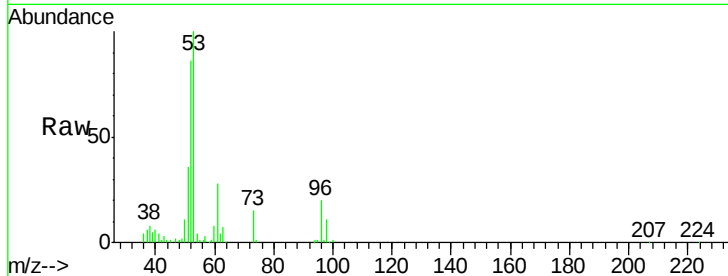
ClientSampleId :

VSTDCCC050

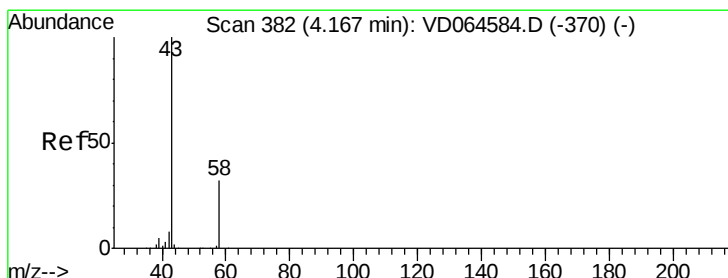
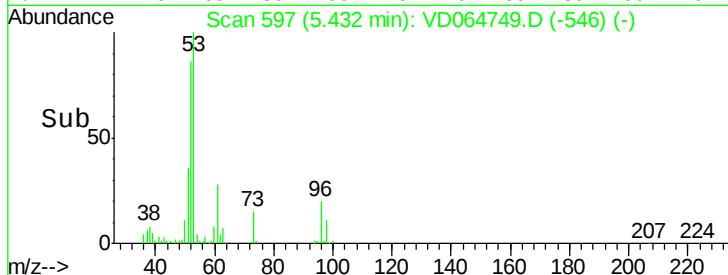
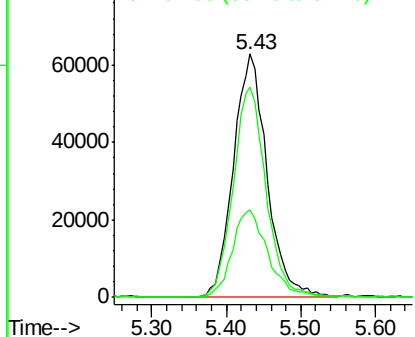
Tgt Ion:	53	Resp:	196568
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.2	99.2
51	38.3	30.1	45.1

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 270.714 ug/l

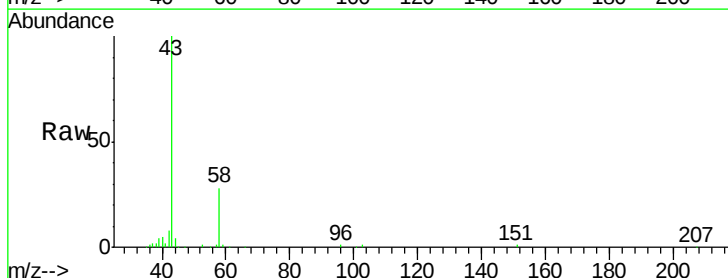
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

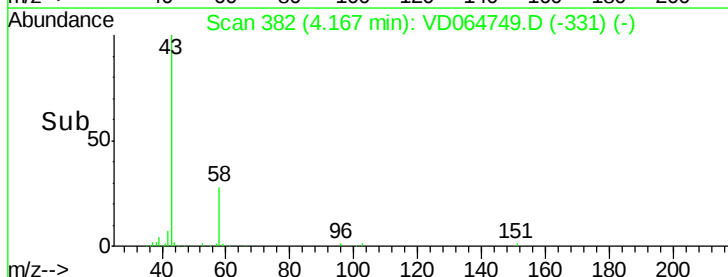
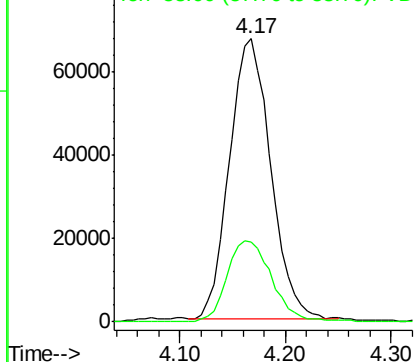
Lab File: VD064749.D

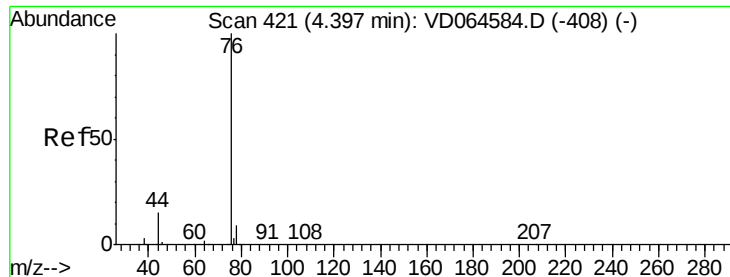
Acq: 03 Jan 2020 23:13

Tgt Ion:	43	Resp:	182710
Ion Ratio		Lower	Upper
43	100		
58	28.0	25.8	38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





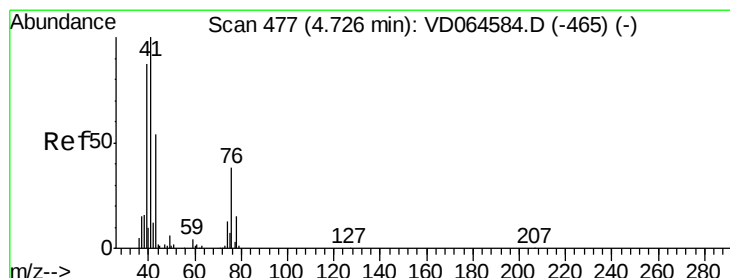
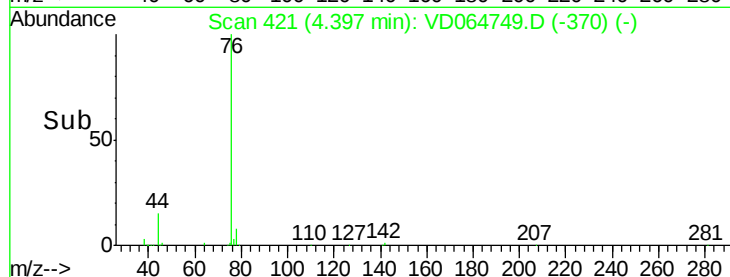
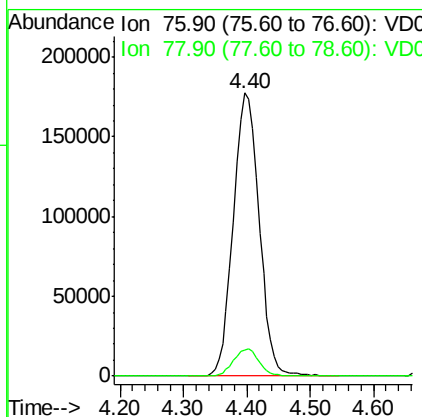
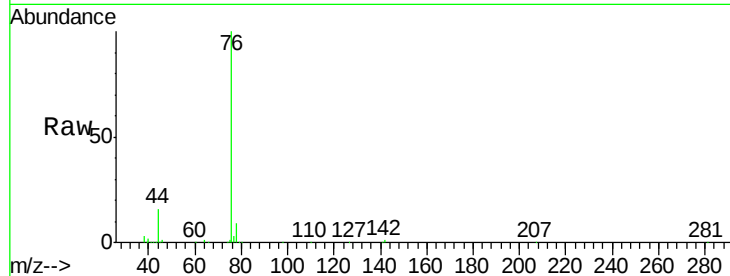
#17
Carbon Disulfide
Concen: 48.003 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

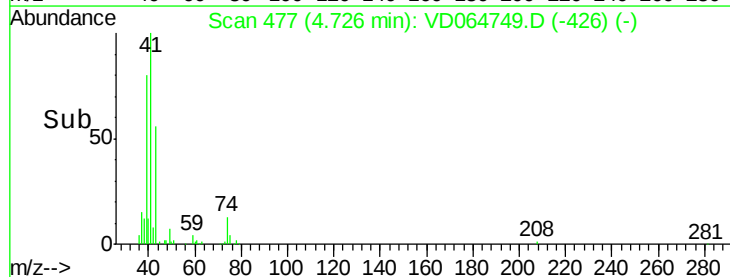
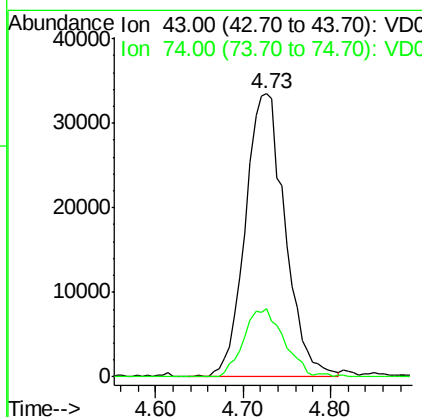
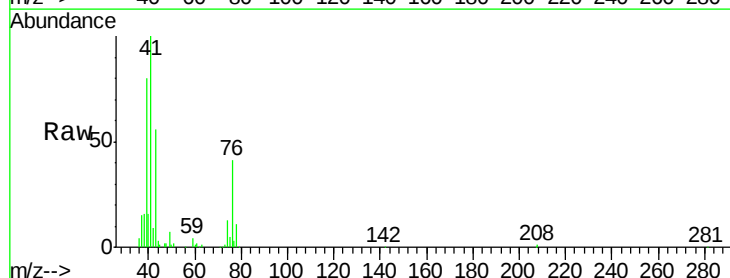
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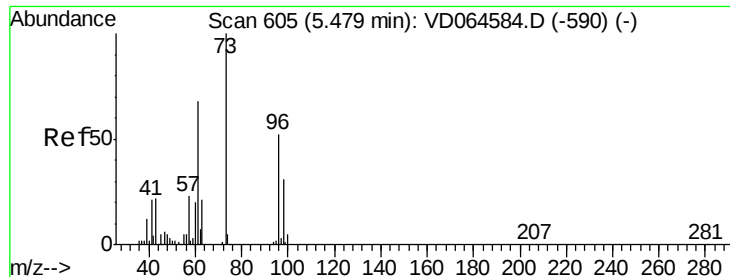
apatel
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#18
Methyl Acetate
Concen: 57.013 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8





#19

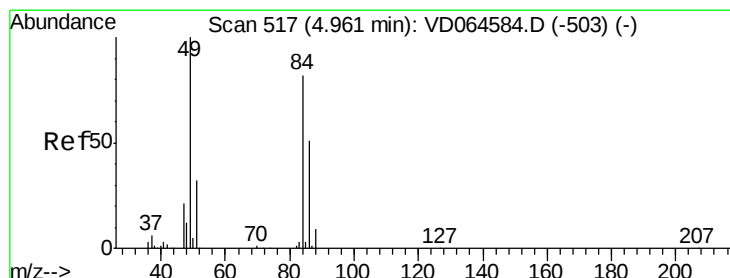
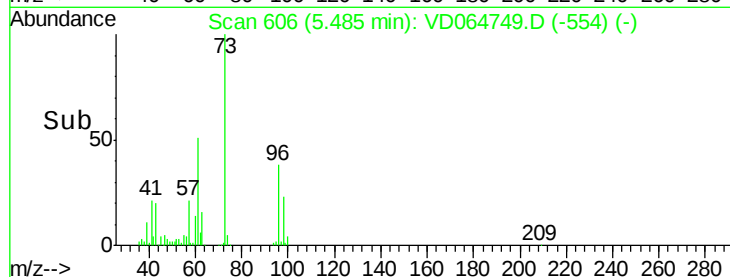
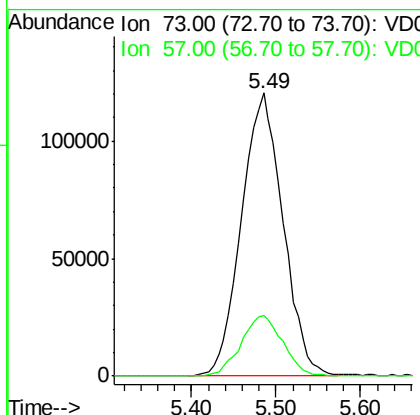
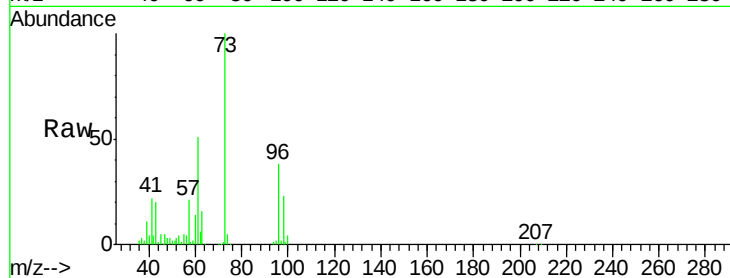
Methyl tert-butyl Ether
 Concen: 57.398 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	27.8

Manual Integrations
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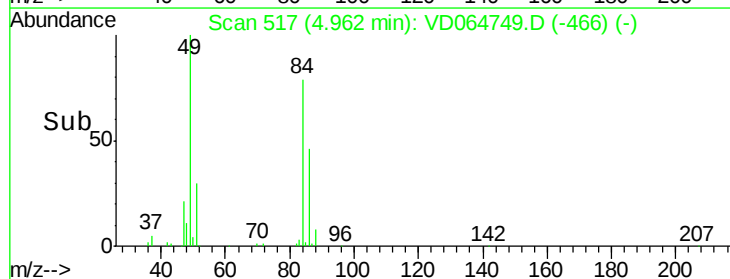
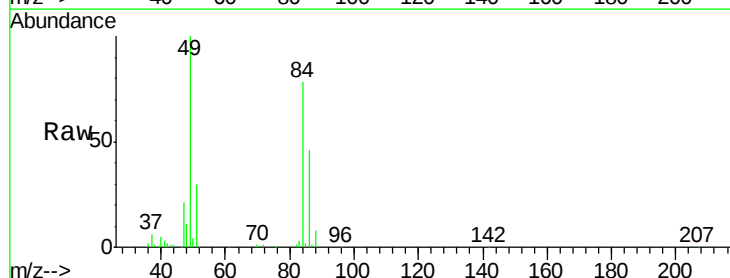
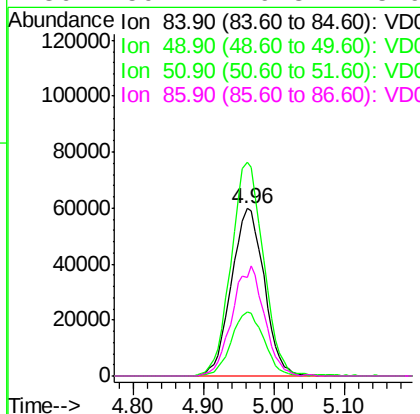
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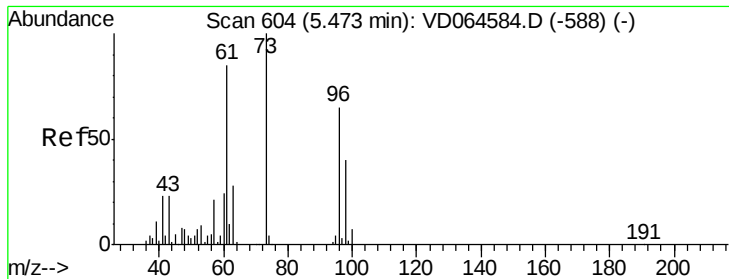


#20

Methylene Chloride
 Concen: 59.509 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	97.2	145.8
51	38.1	31.4	47.0
86	59.1	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 52.358 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

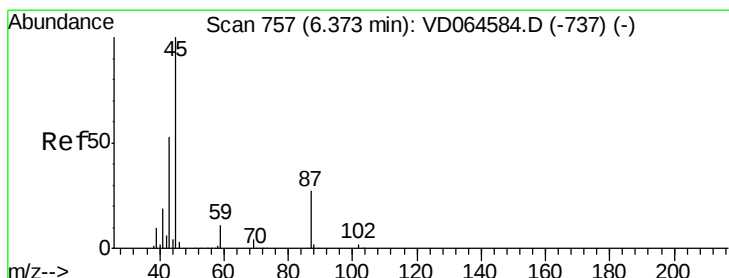
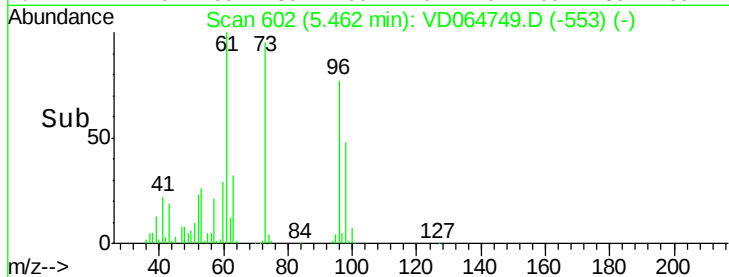
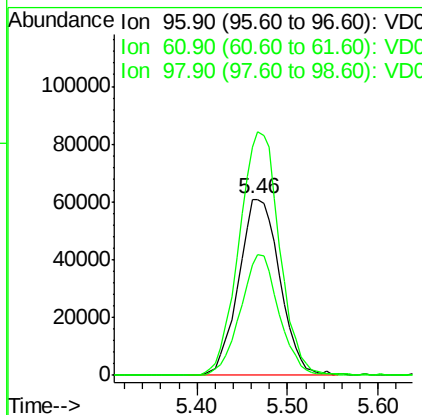
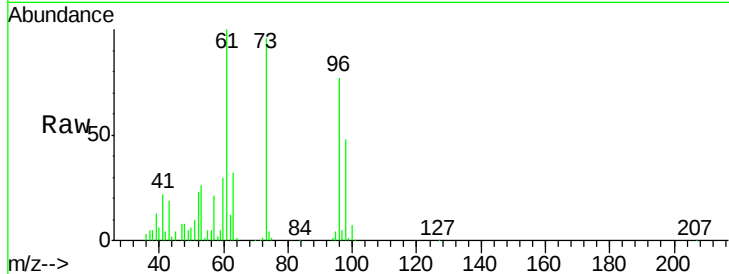
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	192415
Ion	Ratio	Lower	Upper
96	100		
61	129.4	104.7	157.1
98	62.5	49.4	74.2

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#22

Diisopropyl ether

Concen: 57.746 ug/l

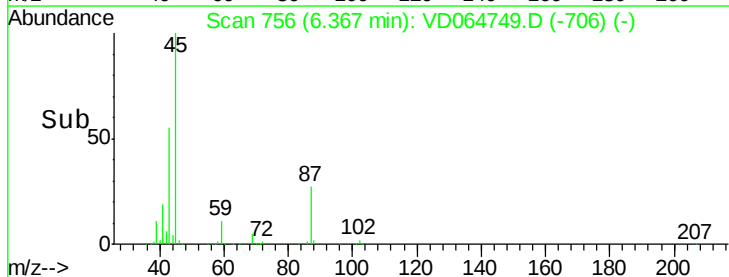
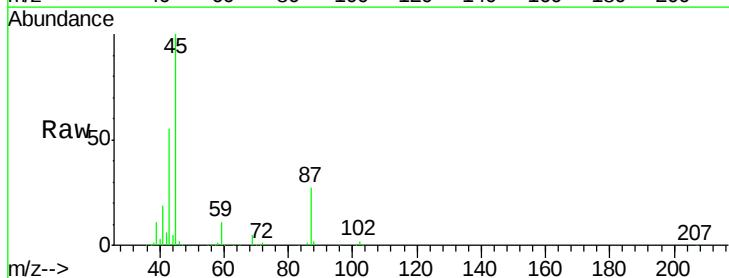
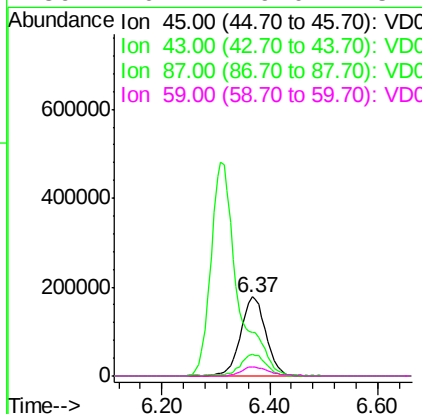
RT: 6.37 min Scan# 756

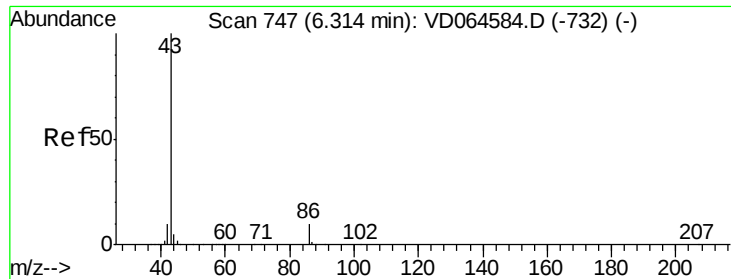
Delta R.T. -0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion:	45	Resp:	579495
Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.2	64.8
87	27.1	21.9	32.9
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 289.867 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1650094

Ion Ratio Lower Upper

43 100

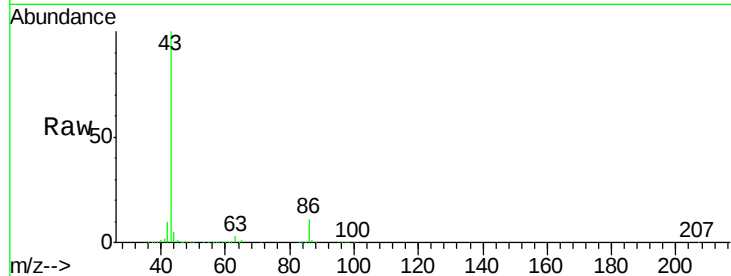
86 11.4 8.3 12.5

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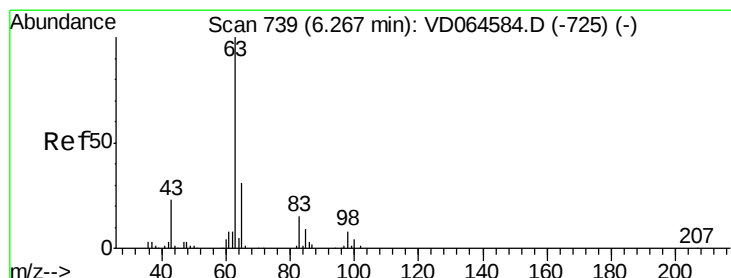
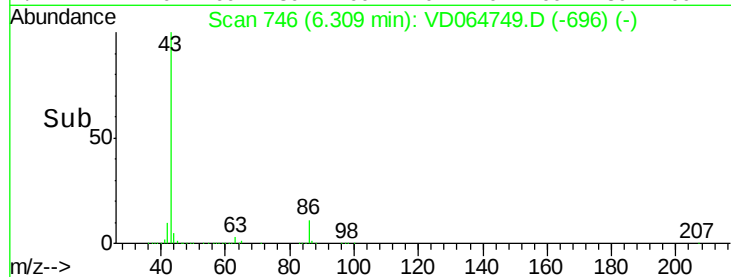
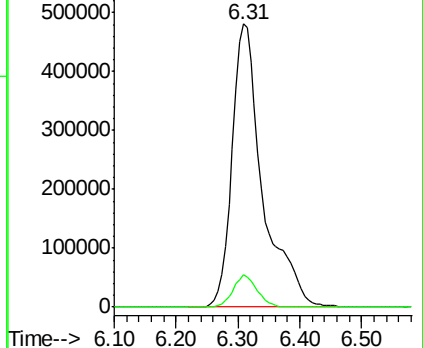
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.729 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

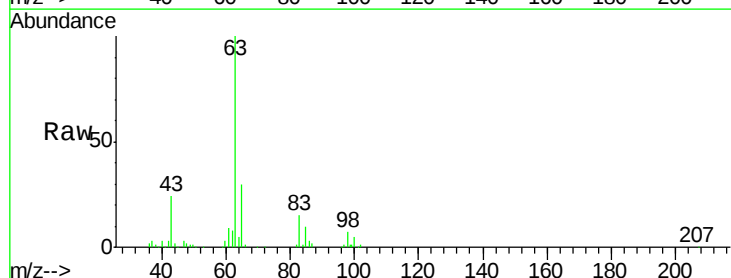
Tgt Ion: 63 Resp: 335740

Ion Ratio Lower Upper

63 100

98 7.4 4.1 12.3

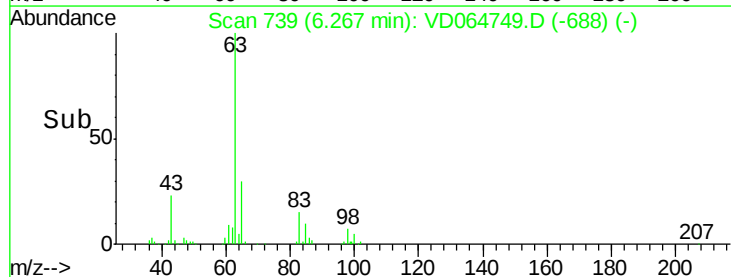
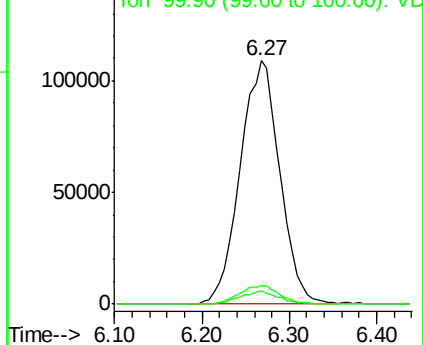
100 5.3 2.2 6.6

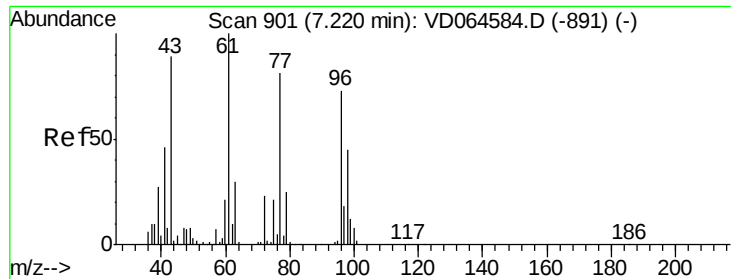


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 292.273 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 259840

Ion Ratio Lower Upper

43 100

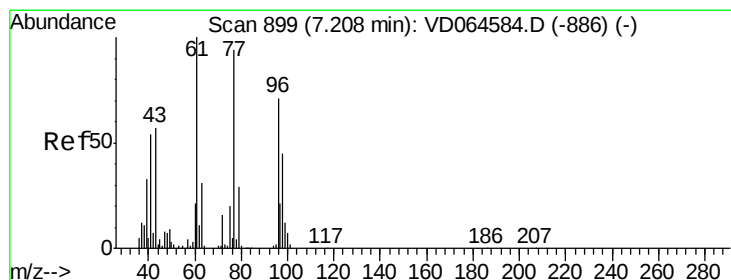
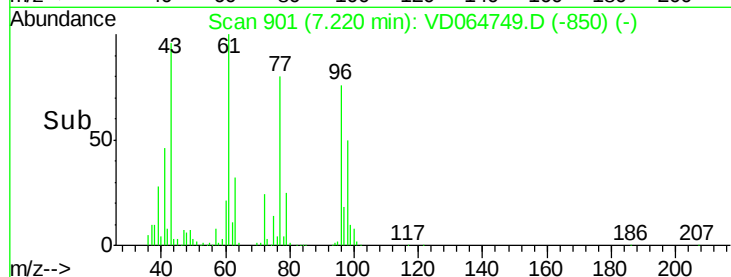
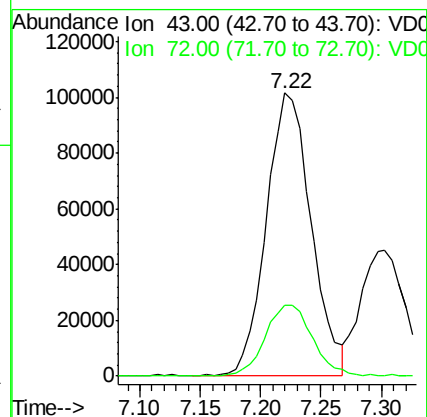
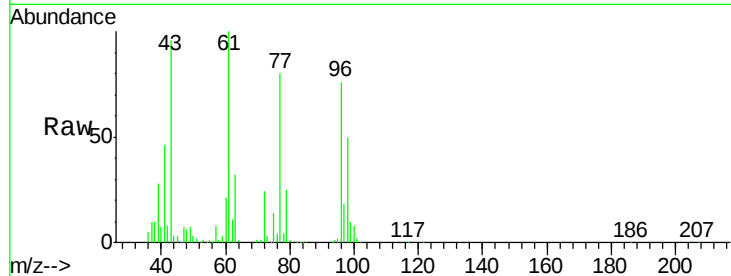
72 24.9 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 49.086 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064749.D

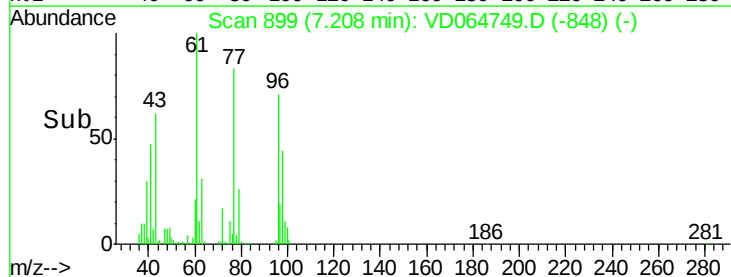
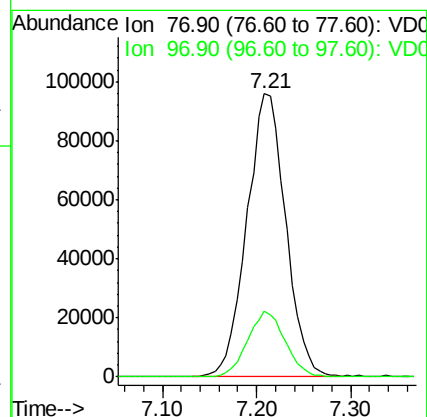
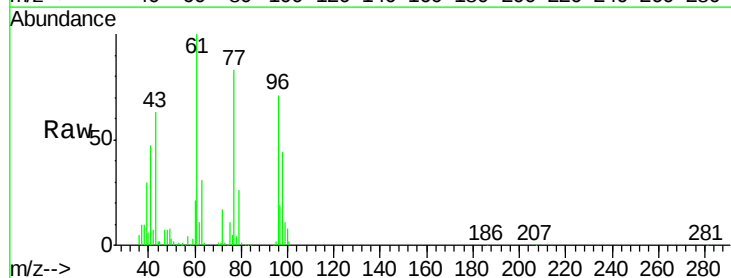
Acq: 03 Jan 2020 23:13

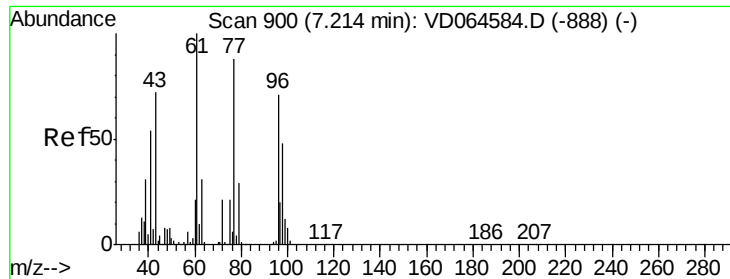
Tgt Ion: 77 Resp: 274942

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

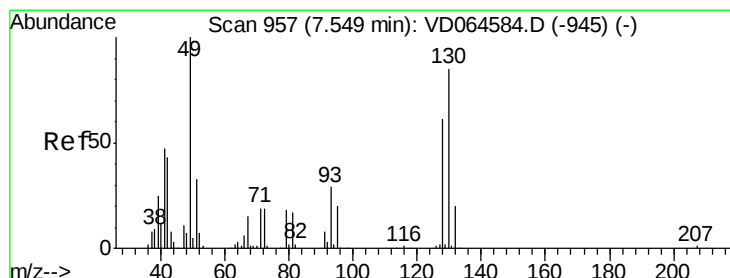
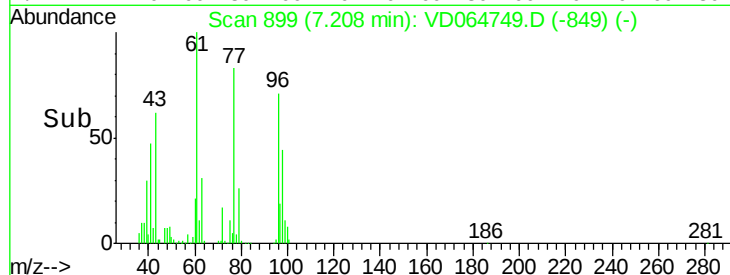
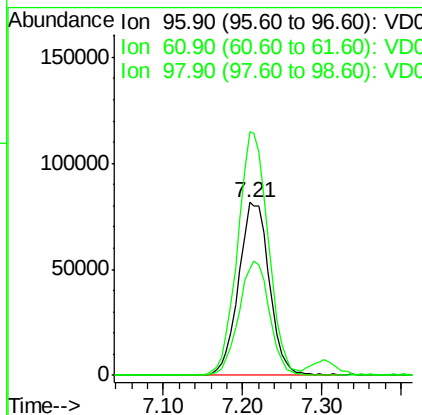
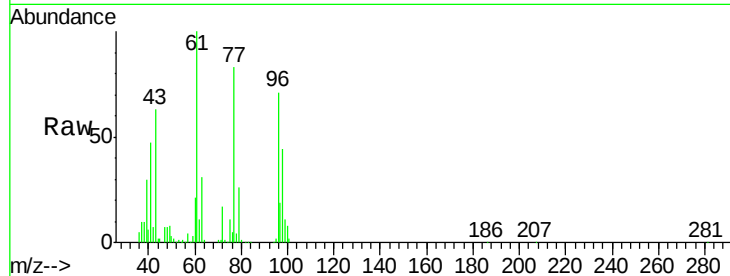
cis-1,2-Dichloroethene
Concen: 55.411 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	282.6
98	65.5	0.0	130.8

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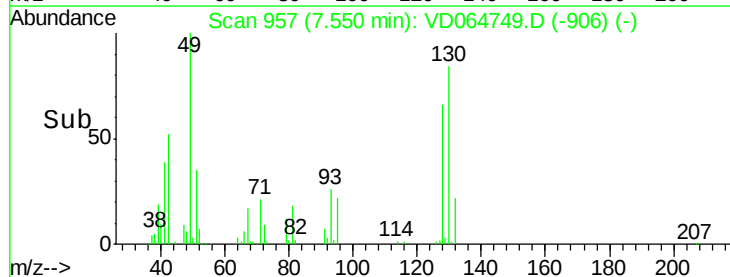
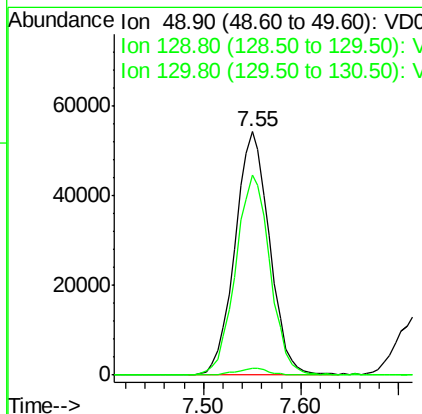
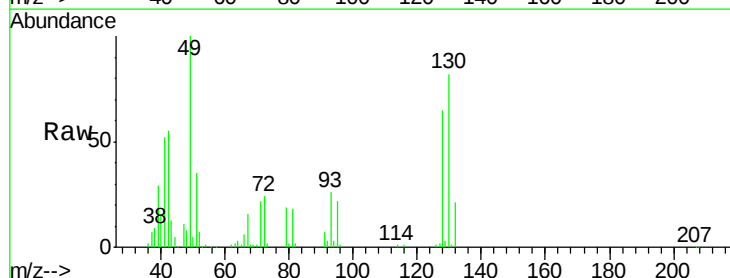
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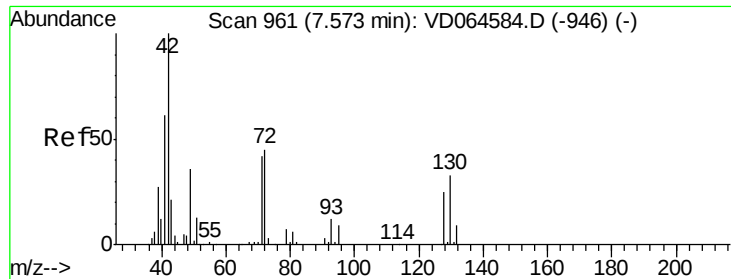


#28

Bromochloromethane
Concen: 57.290 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	81.9	65.0	97.6





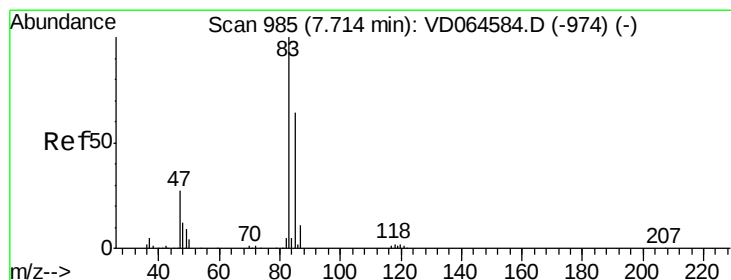
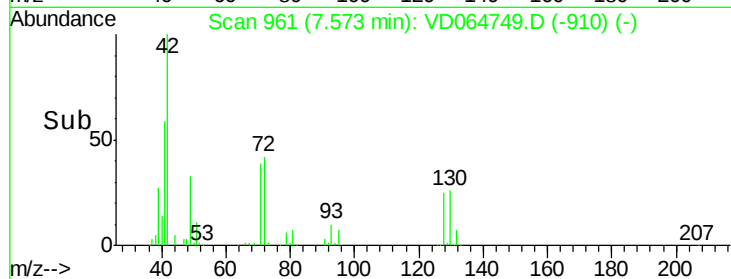
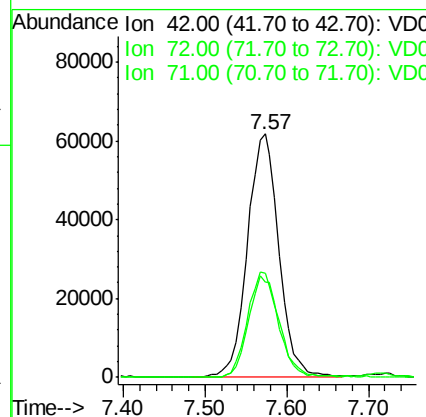
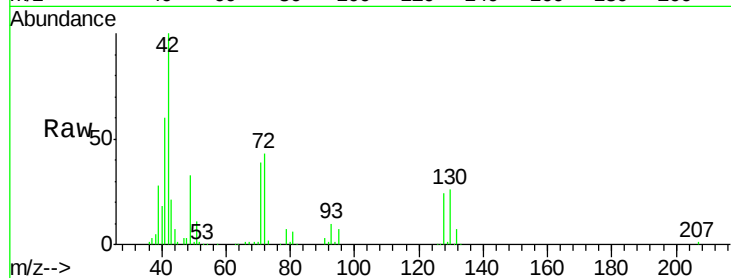
#29
Tetrahydrofuran
Concen: 298.558 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 165063
Ion Ratio Lower Upper
42 100
72 43.3 35.0 52.4
71 40.2 32.9 49.3

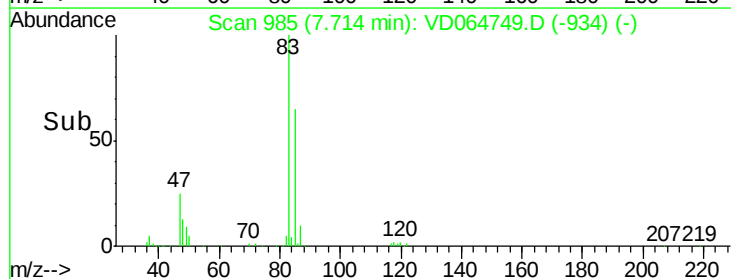
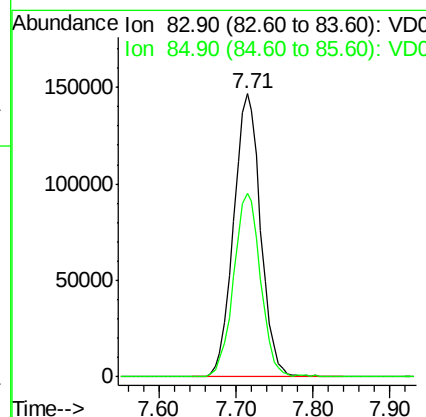
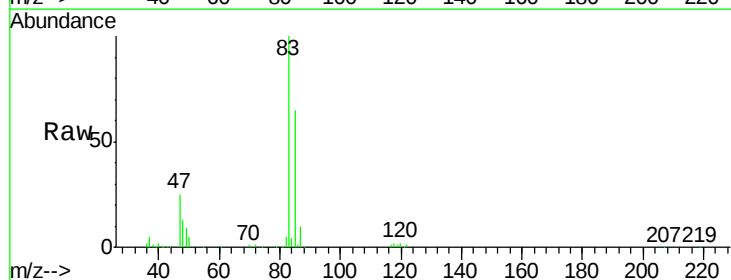
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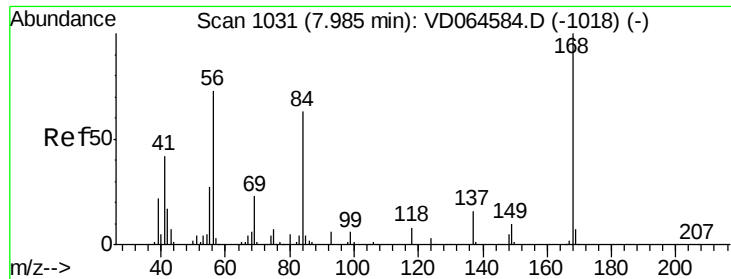
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#30
Chloroform
Concen: 56.754 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 83 Resp: 358726
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7





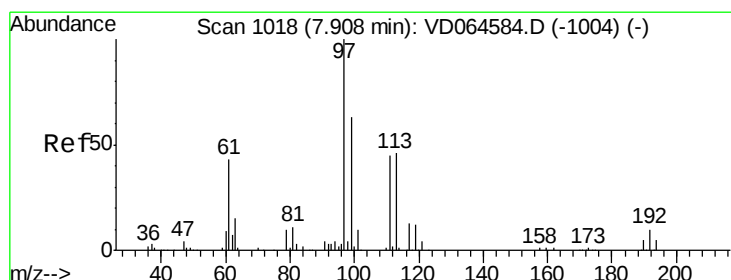
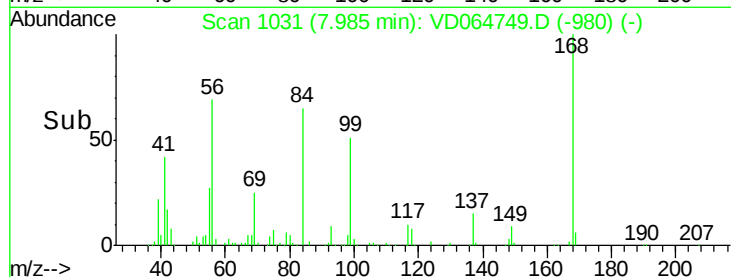
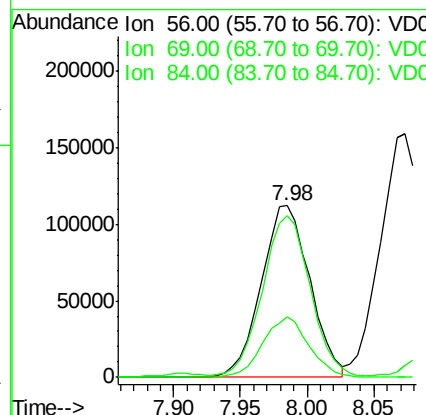
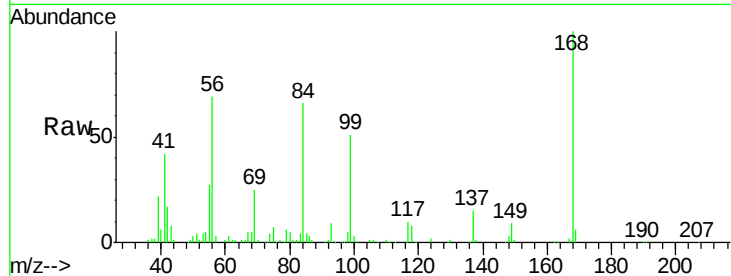
#31
Cyclohexane
Concen: 47.068 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.2	24.7	37.1
84	92.5	69.4	104.2

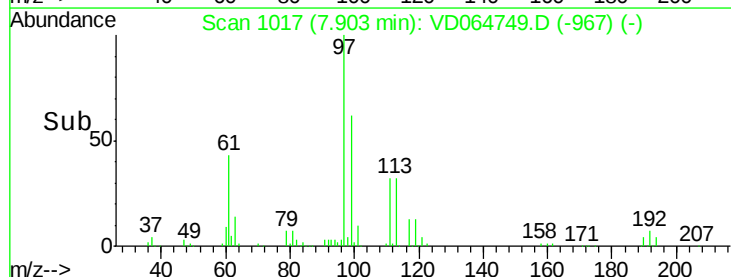
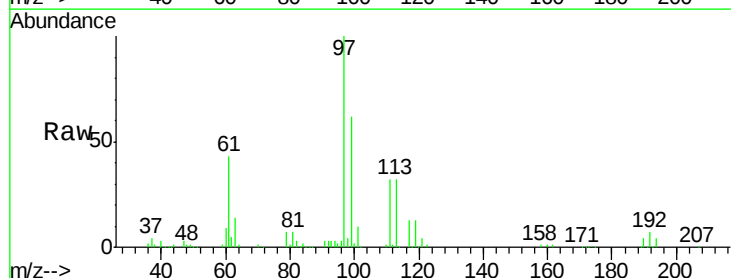
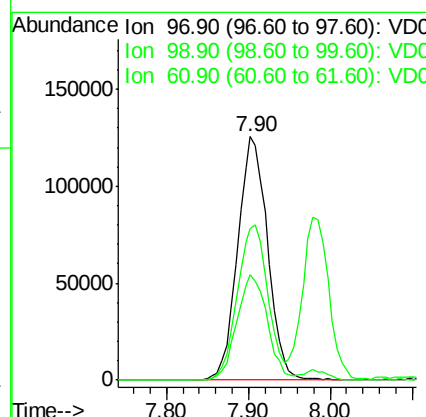
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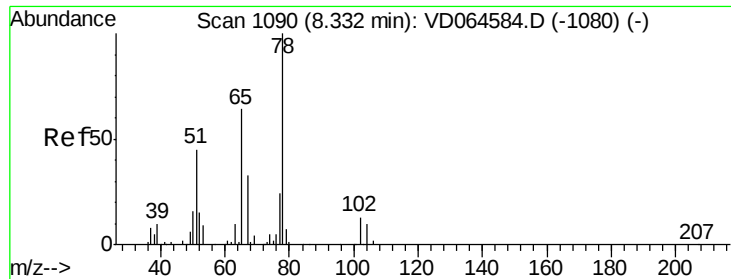
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#32
1,1,1-Trichloroethane
Concen: 53.827 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.2	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 52.500 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 169802

Ion Ratio Lower Upper

65 100

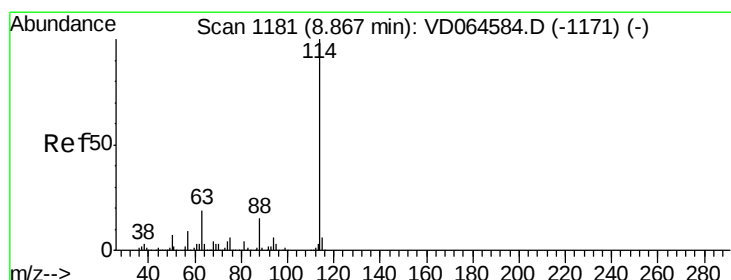
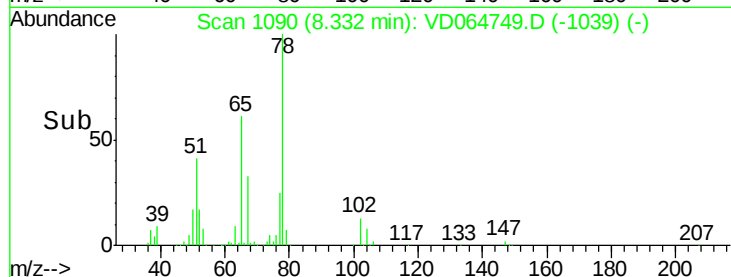
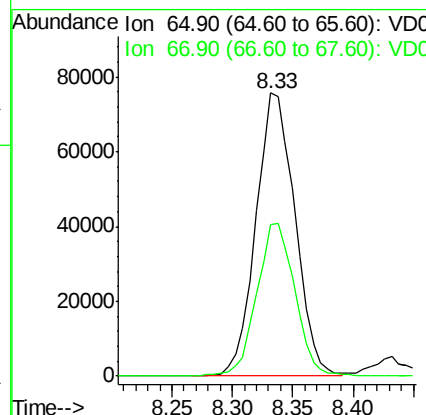
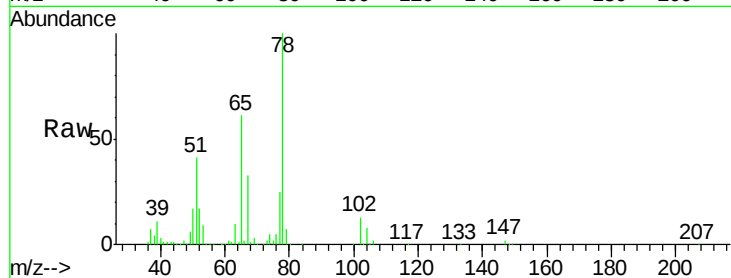
67 52.8 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

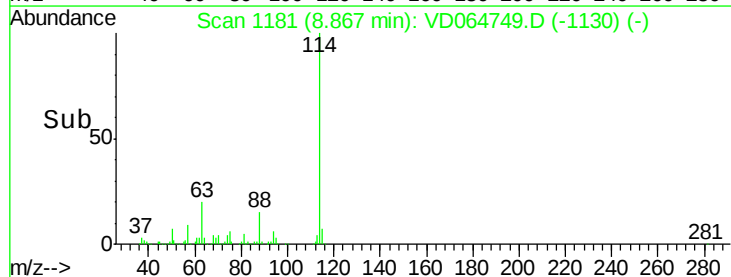
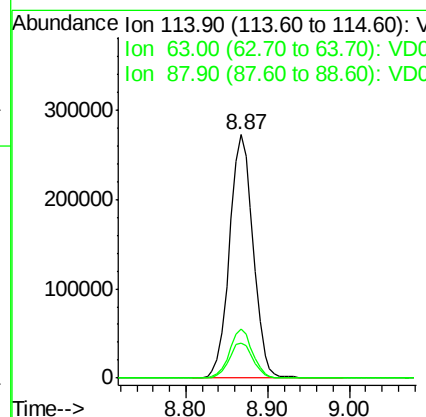
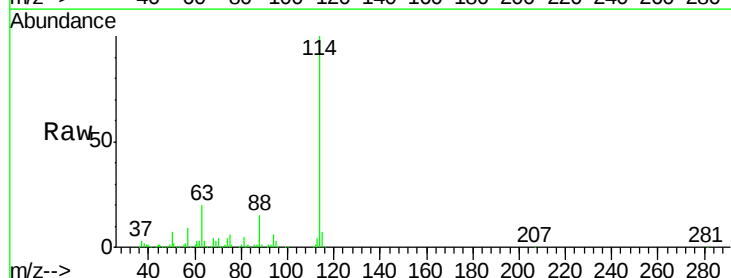
Tgt Ion: 114 Resp: 547916

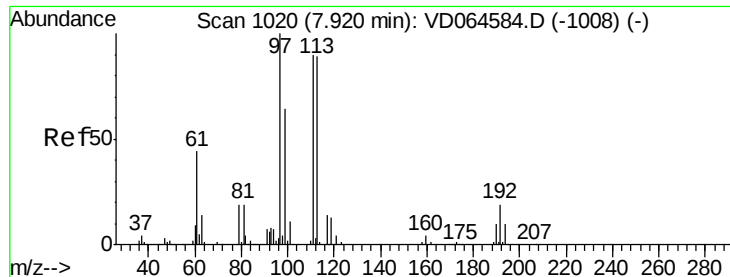
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

88 14.6 0.0 29.2





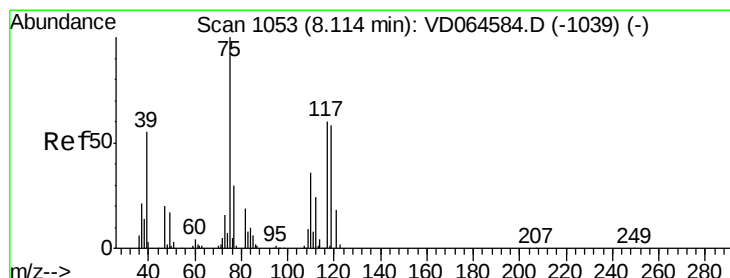
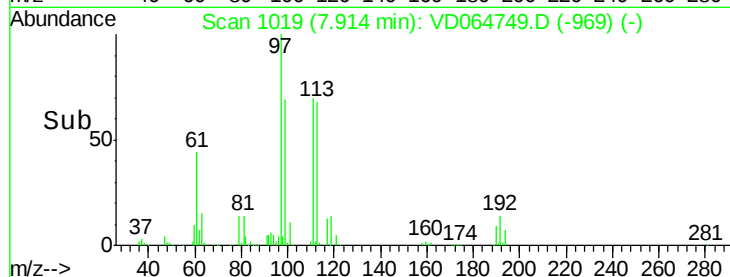
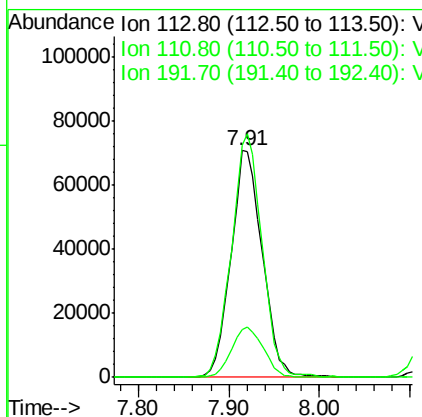
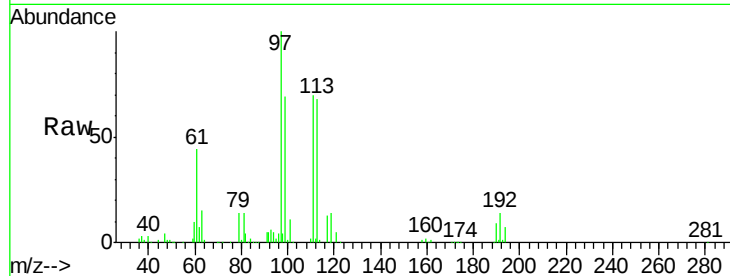
#35
 Dibromofluoromethane
 Concen: 50.469 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	169656		
111	105.1	80.6	121.0	
192	22.7	17.9	26.9	

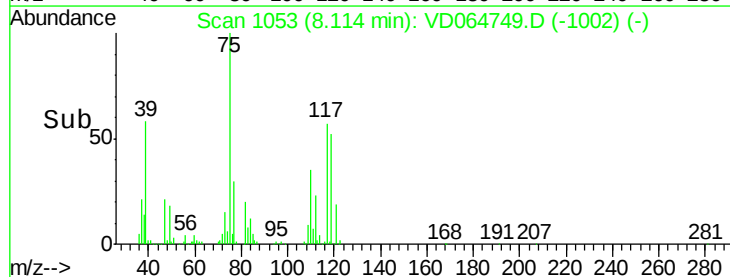
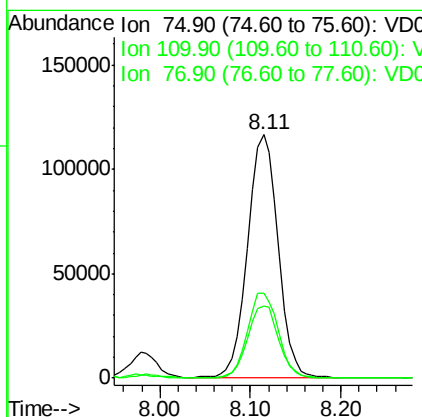
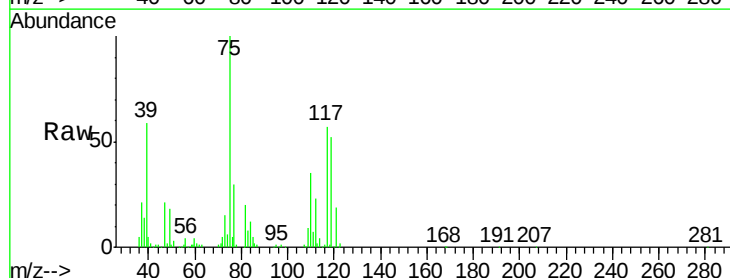
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#36
 1,1-Dichloropropene
 Concen: 51.797 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273159		
110	35.1	18.1	54.1	
77	30.3	24.2	36.4	





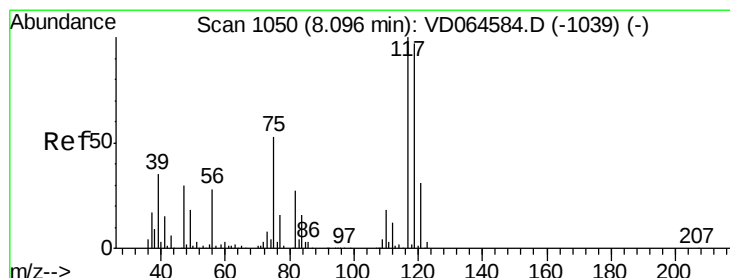
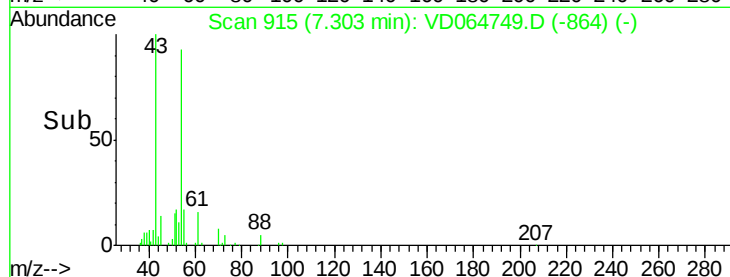
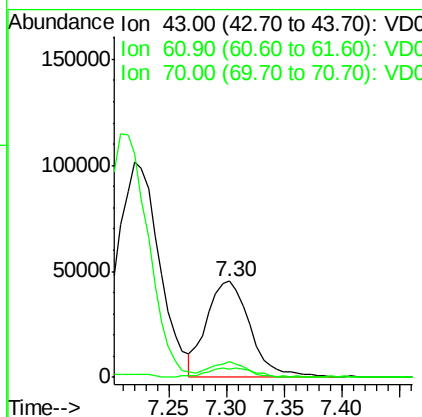
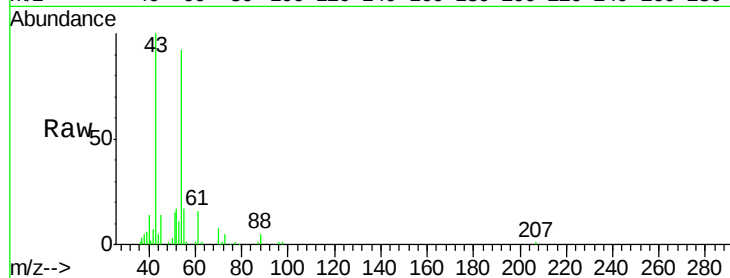
#37
Ethyl Acetate
Concen: 56.385 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	10.3	7.6	11.4

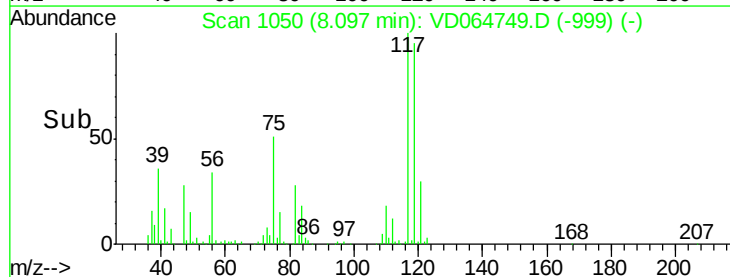
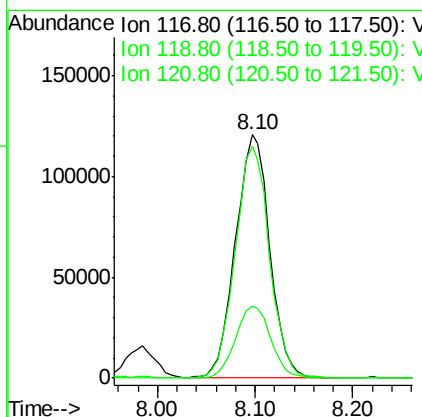
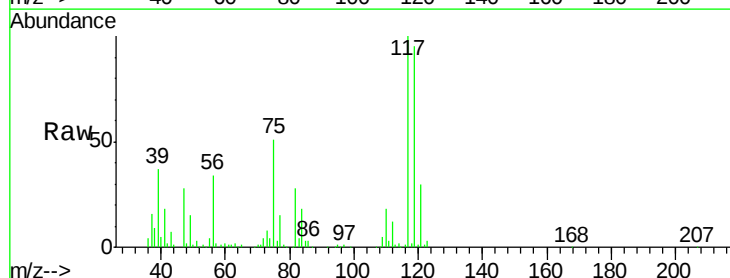
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#38
Carbon Tetrachloride
Concen: 52.452 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
121	29.6	25.0	37.6





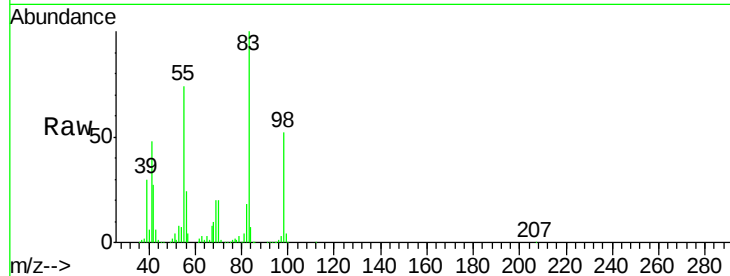
#39
Methylcyclohexane
Concen: 48.518 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

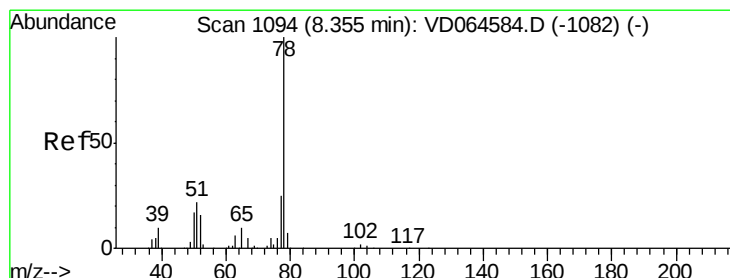
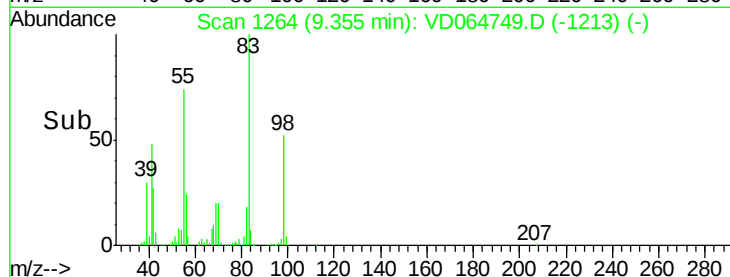
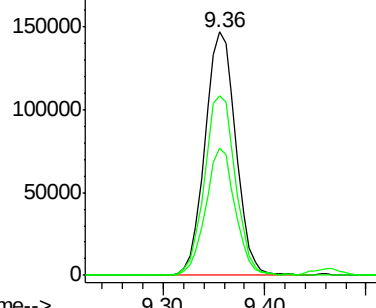
Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.6	57.8	86.6
98	52.0	38.7	58.1

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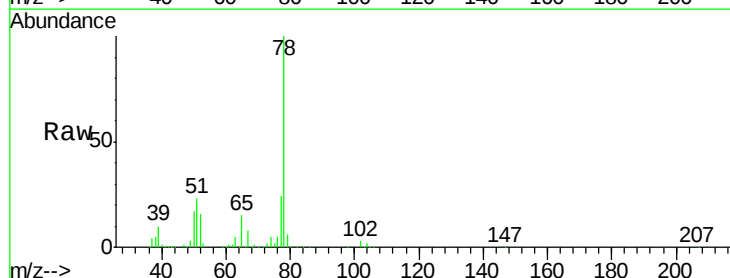


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

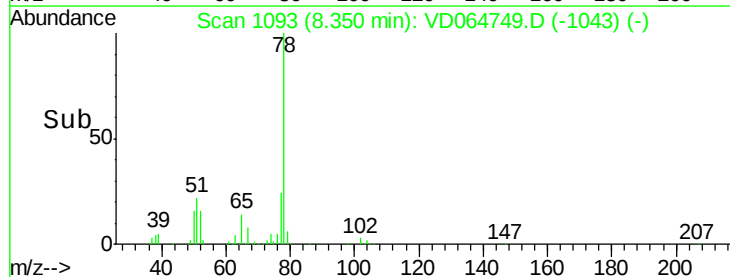
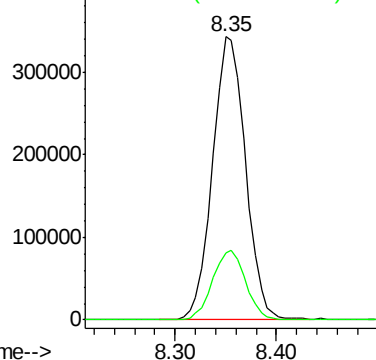


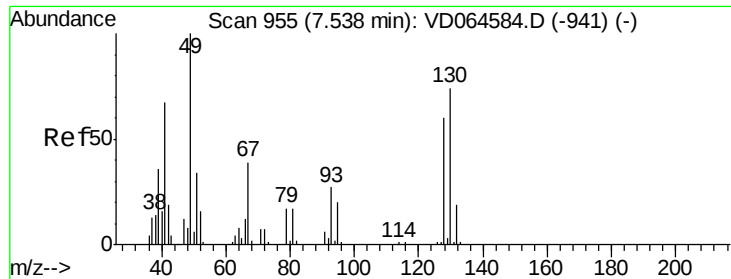
#40
Benzene
Concen: 53.715 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





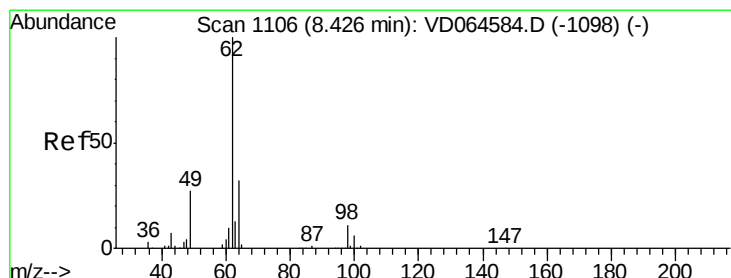
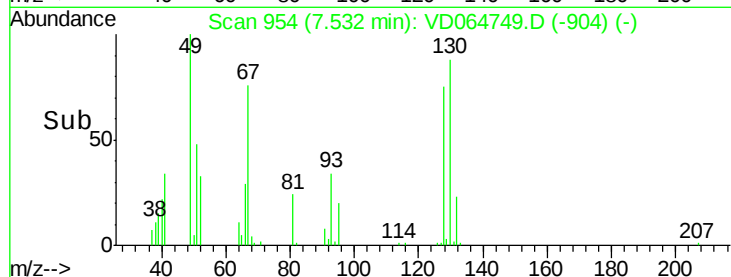
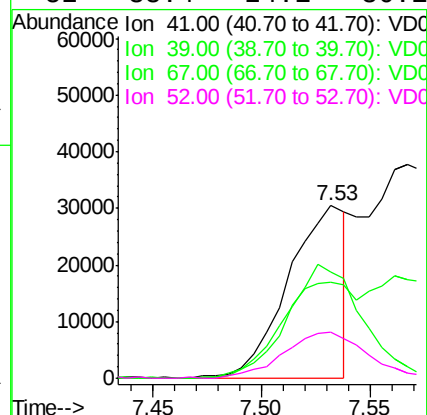
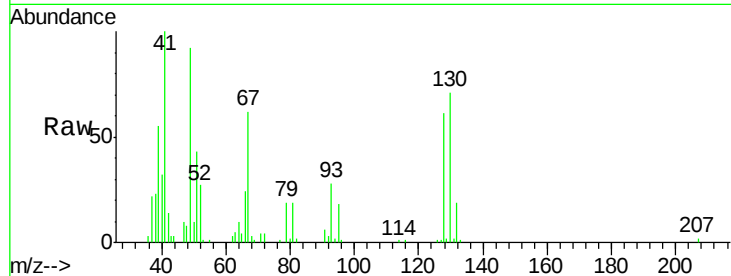
#41
Methacrylonitrile
Concen: 47.127 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.7	46.7	70.1
67	87.1	52.5	78.7#
52	38.4	24.1	36.1#

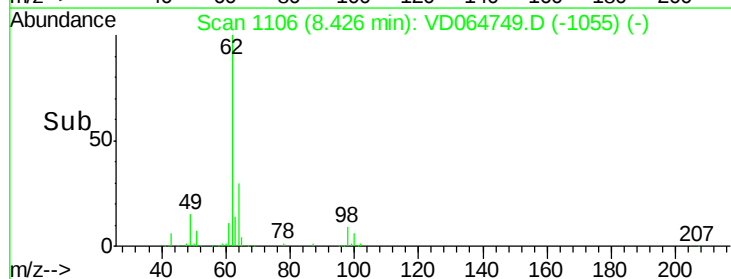
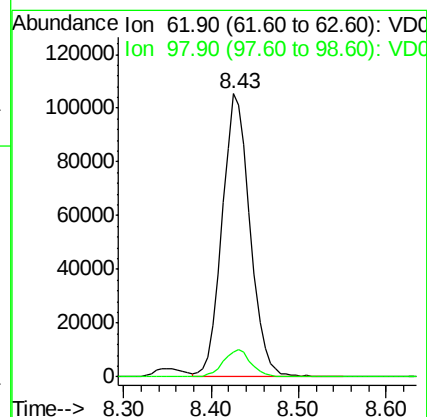
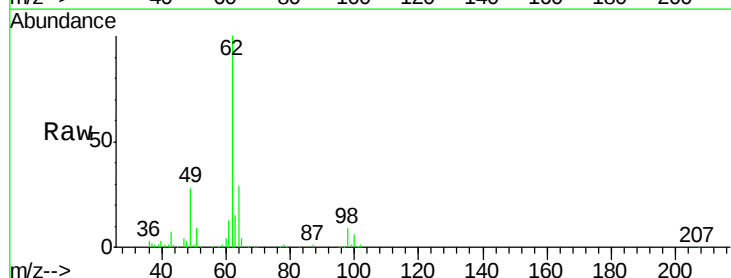
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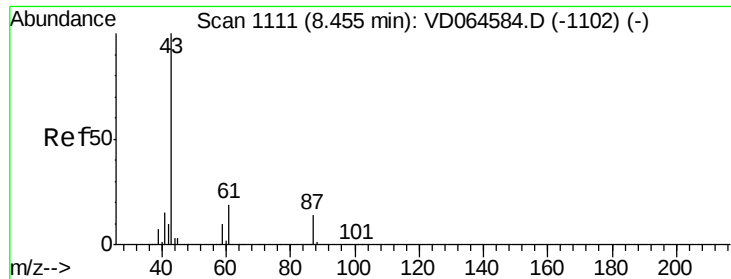
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#42
1,2-Dichloroethane
Concen: 55.658 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





#43

Isopropyl Acetate

Concen: 55.795 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

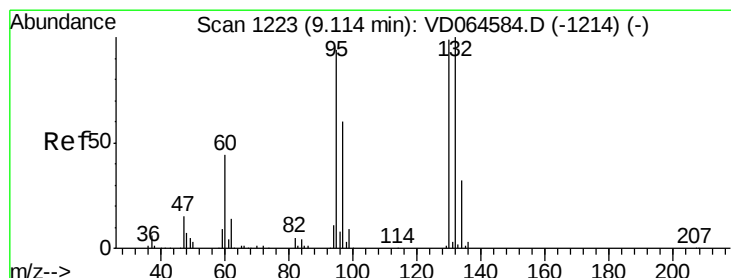
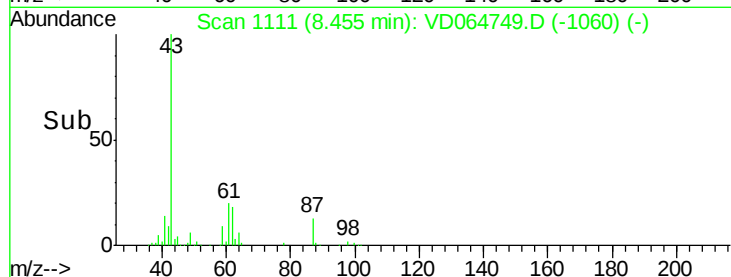
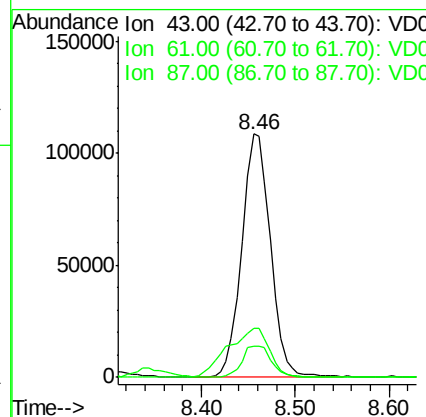
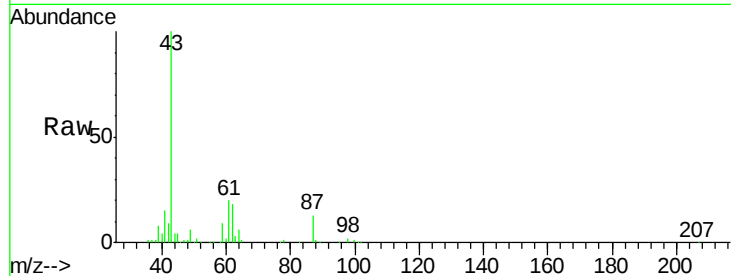
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	230082
Ion Ratio	Lower	Upper	
43	100		
61	29.6	23.7	35.5
87	13.2	10.5	15.7

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#44

Trichloroethene

Concen: 51.886 ug/l

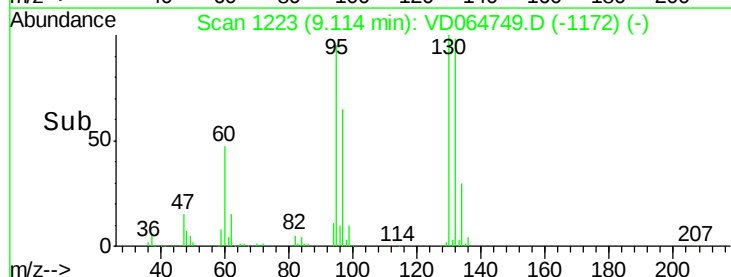
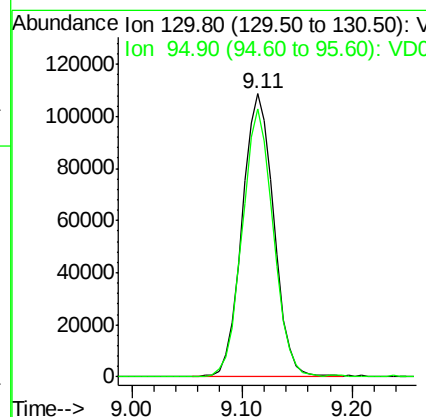
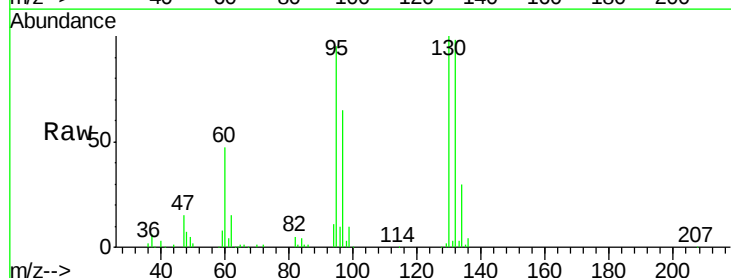
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion:	130	Resp:	219441
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	190.2





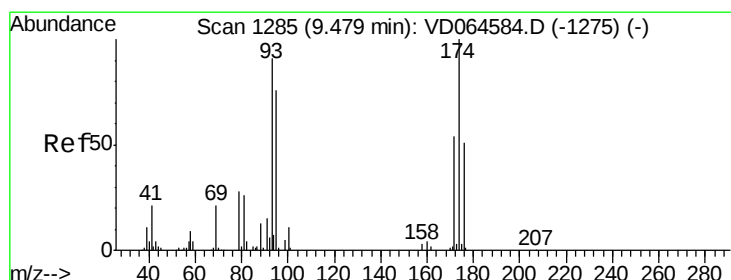
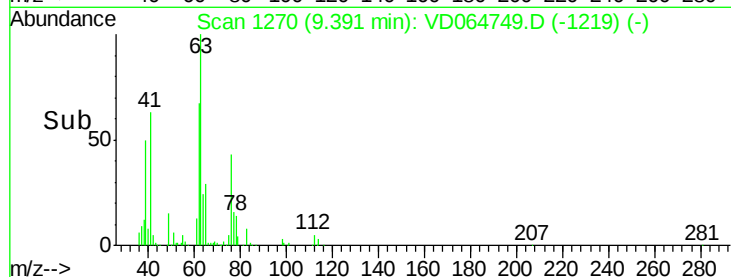
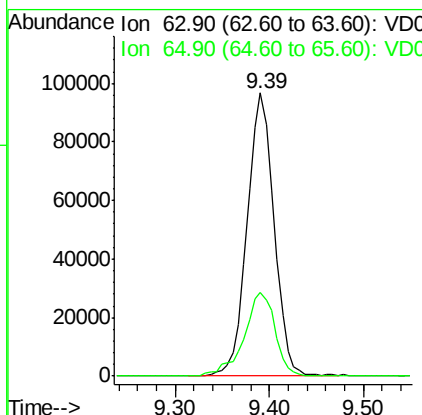
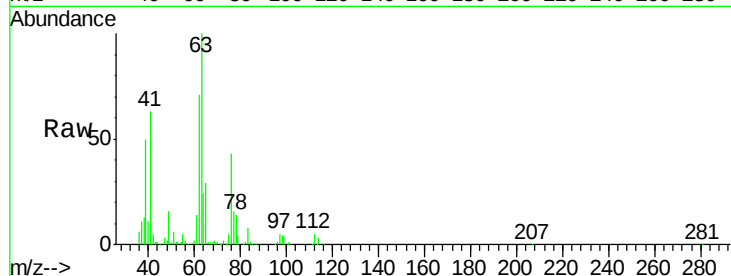
#45
 1,2-Dichloropropane
 Concen: 55.979 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 192419
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.2 37.8

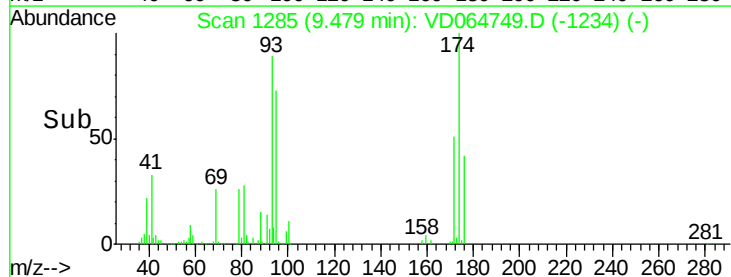
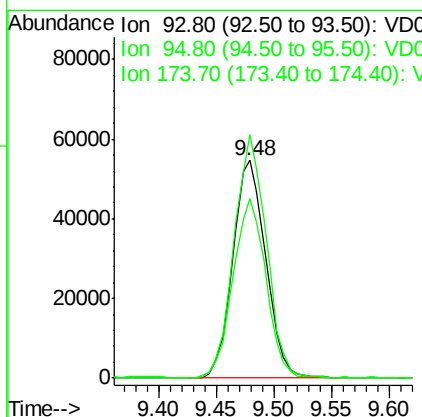
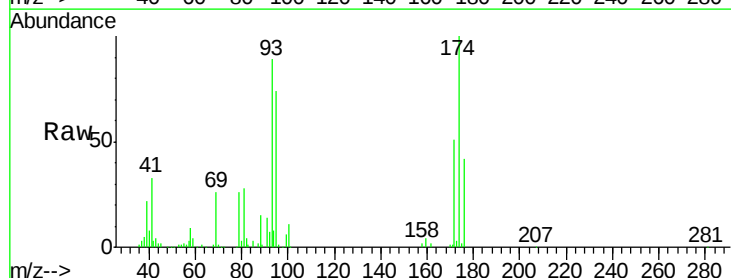
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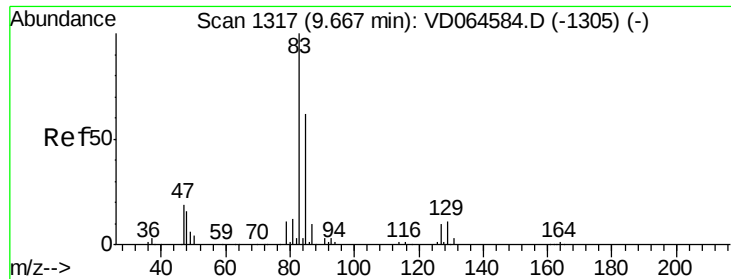
apatel
 1/6/2020 10:50:01 AM



#46
 Dibromomethane
 Concen: 56.450 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion: 93 Resp: 108183
 Ion Ratio Lower Upper
 93 100
 95 82.7 64.6 97.0
 174 109.7 88.1 132.1





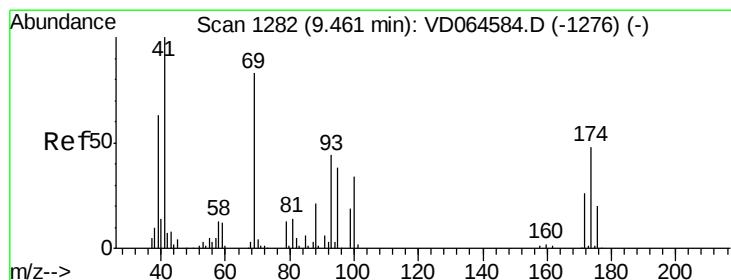
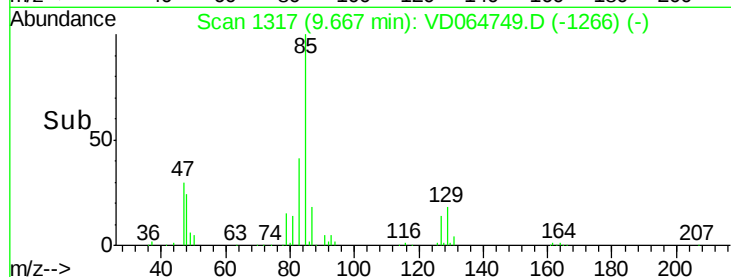
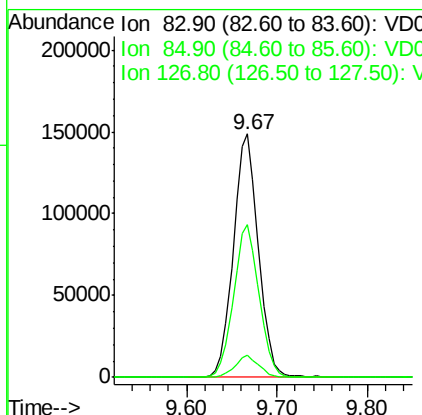
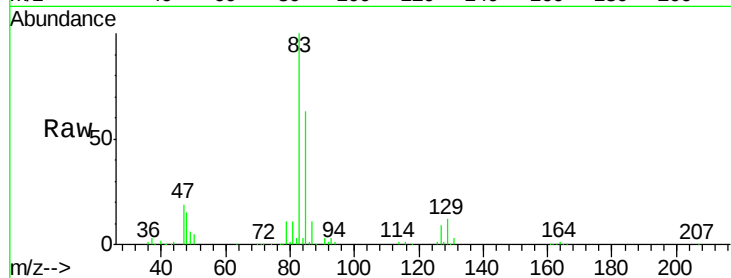
#47
Bromodichloromethane
Concen: 55.981 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.5	74.3
127	8.9	7.8	11.6

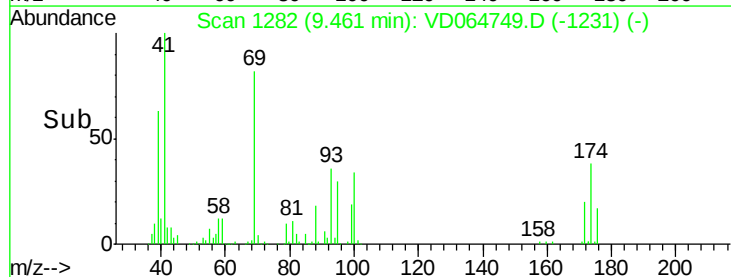
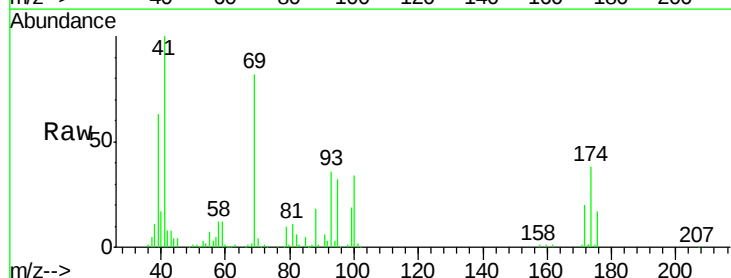
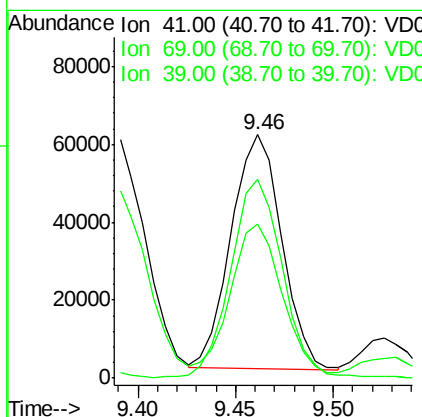
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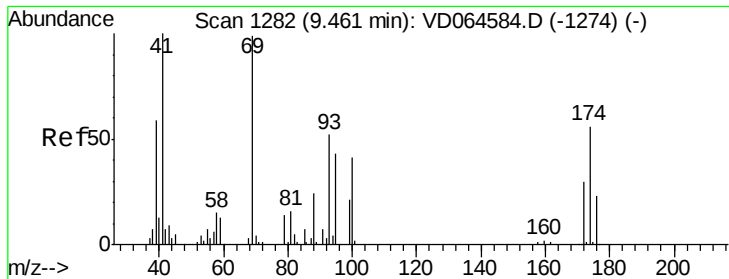
apatel
1/6/2020 10:50:01 AM



#48
Methyl methacrylate
Concen: 55.712 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.2	63.0	94.6
39	62.8	47.4	71.2





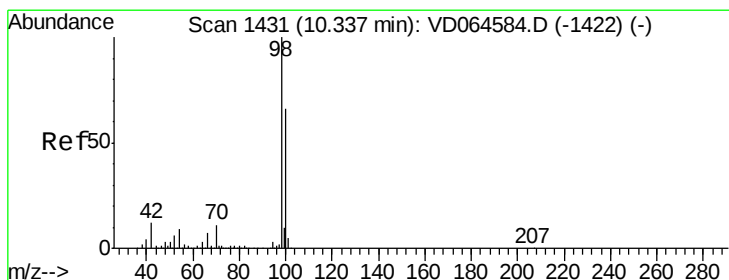
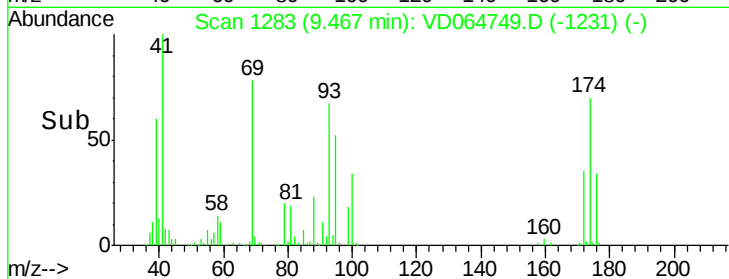
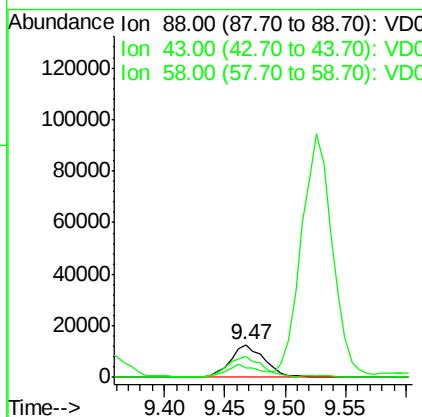
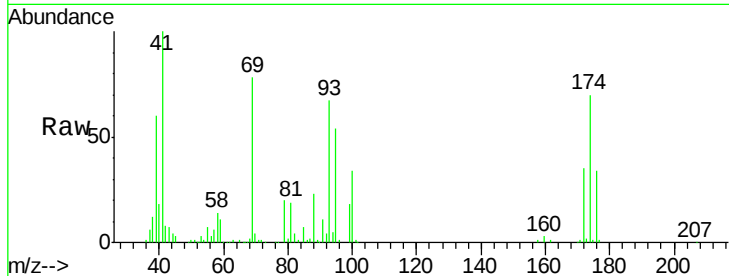
#49
1,4-Dioxane
Concen: 1135.851 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 25100
Ion Ratio Lower Upper
88 100
43 38.3 27.7 41.5
58 66.1 53.8 80.6

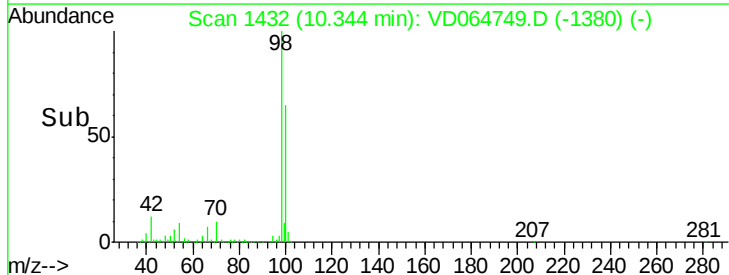
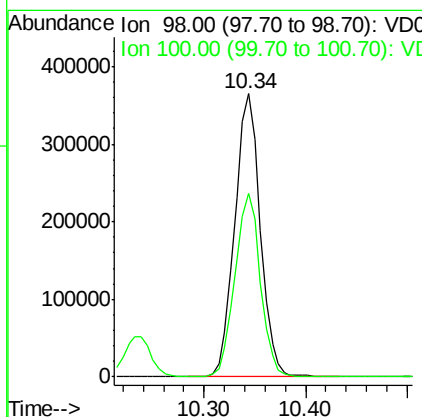
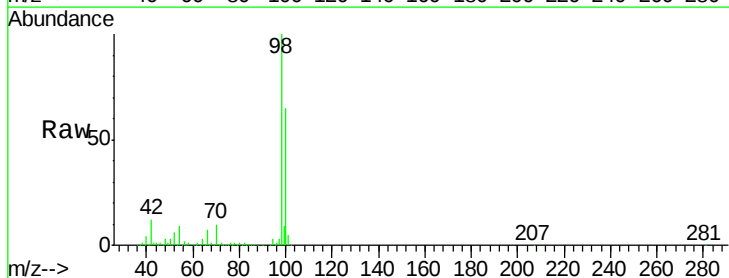
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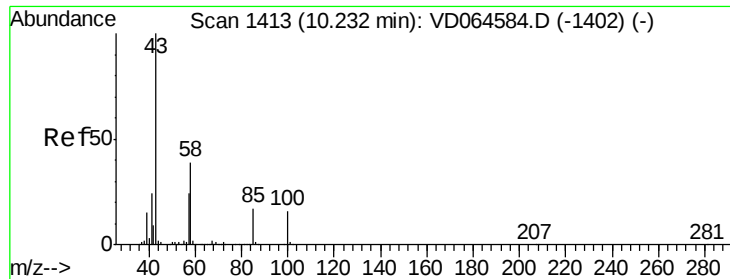
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#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 98 Resp: 638026
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 286.098 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 583139

Ion Ratio Lower Upper

43 100

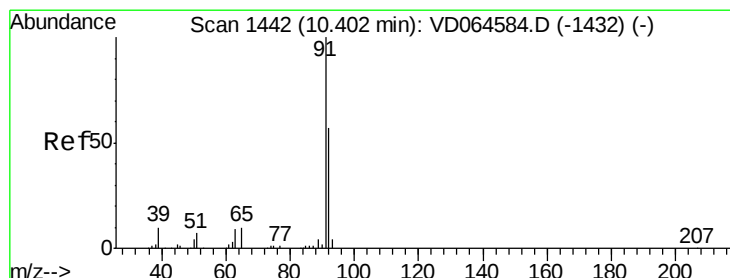
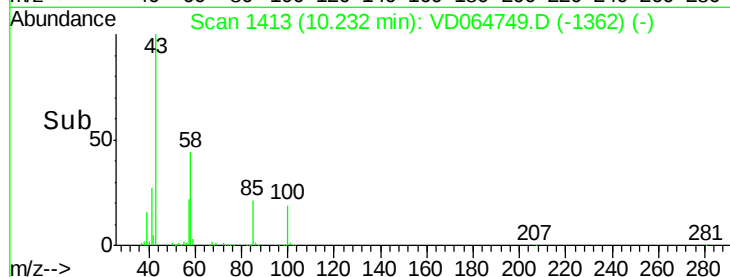
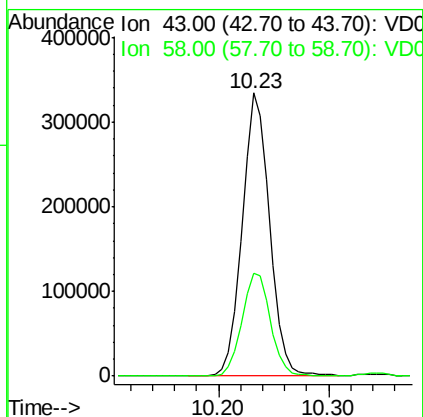
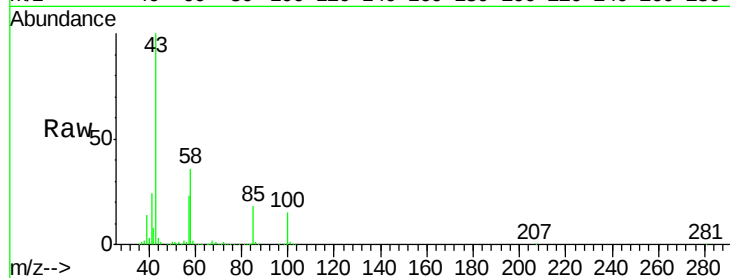
58 37.7 30.2 45.2

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#52

Toluene

Concen: 54.093 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064749.D

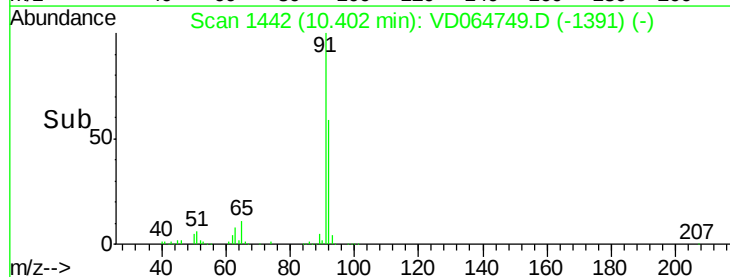
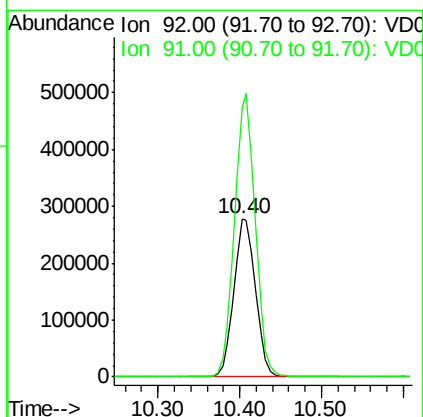
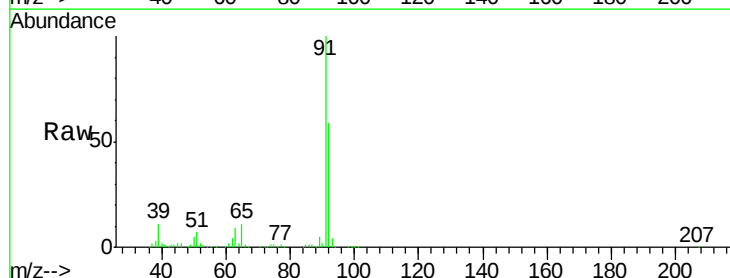
Acq: 03 Jan 2020 23:13

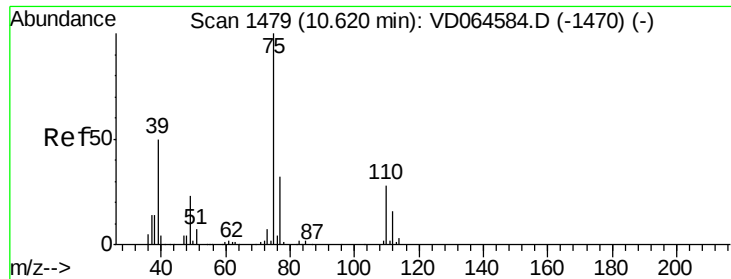
Tgt Ion: 92 Resp: 510926

Ion Ratio Lower Upper

92 100

91 172.9 138.7 208.1





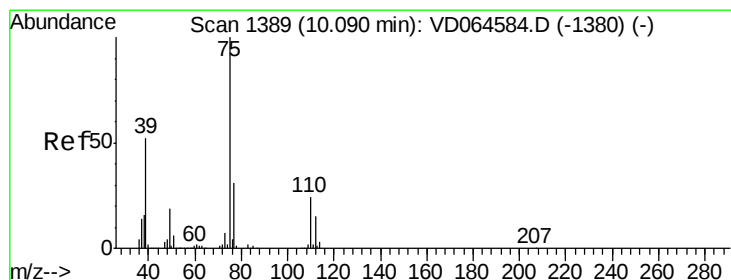
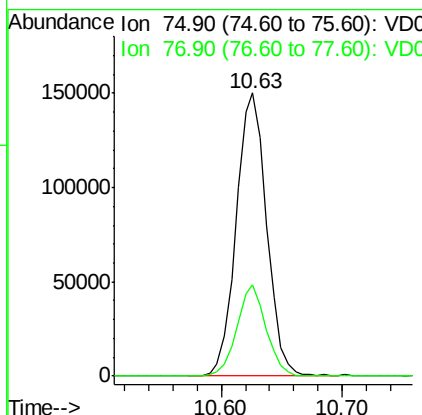
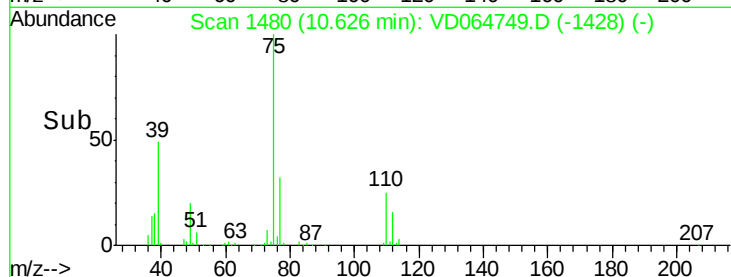
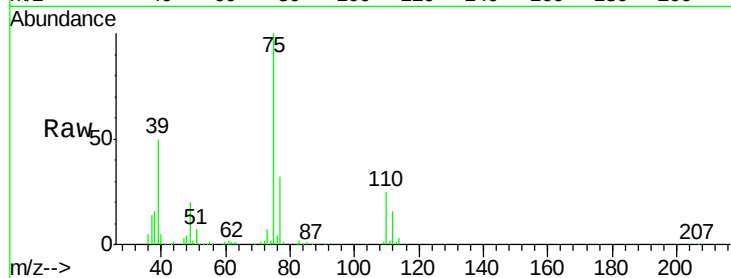
#53
t-1,3-Dichloropropene
Concen: 55.515 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 263945
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

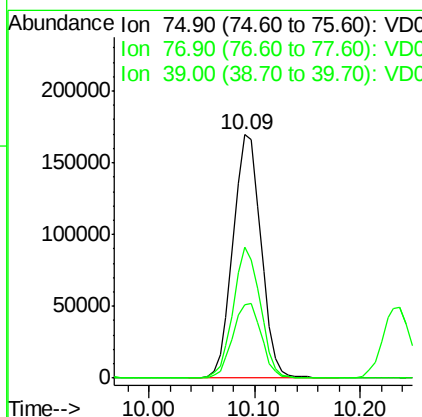
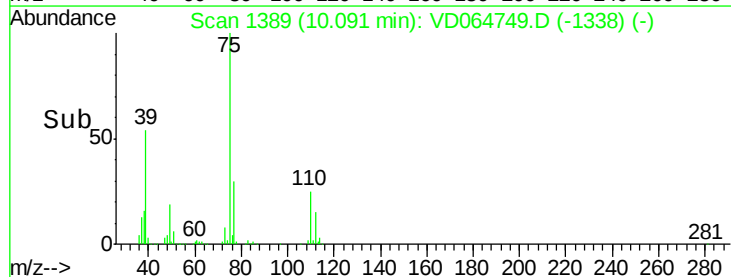
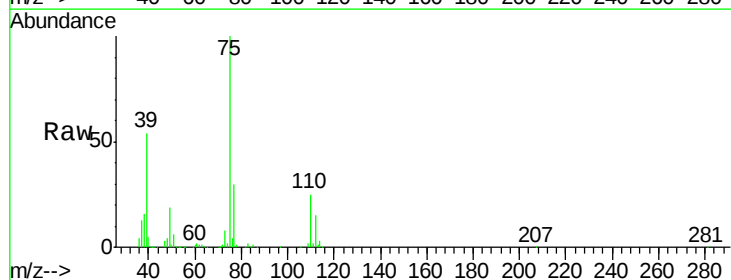
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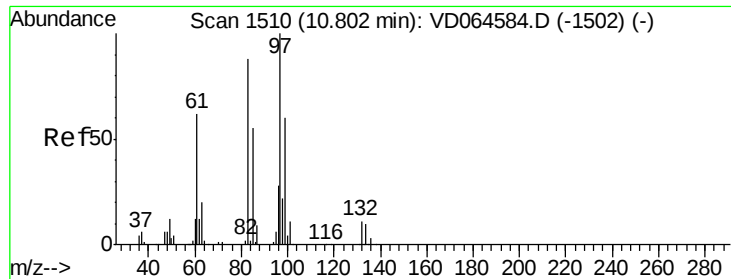
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#54
cis-1,3-Dichloropropene
Concen: 55.446 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 75 Resp: 310841
Ion Ratio Lower Upper
75 100
77 30.0 24.6 36.8
39 53.9 41.4 62.2





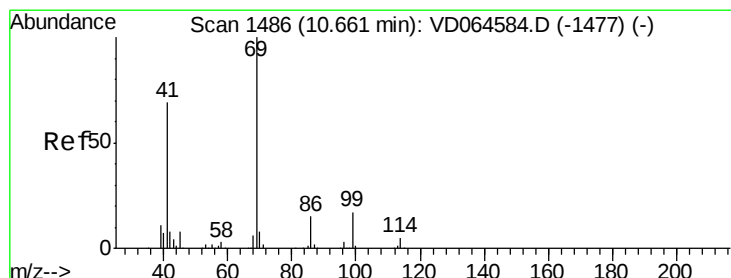
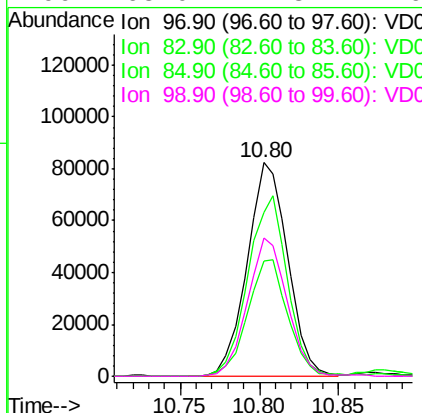
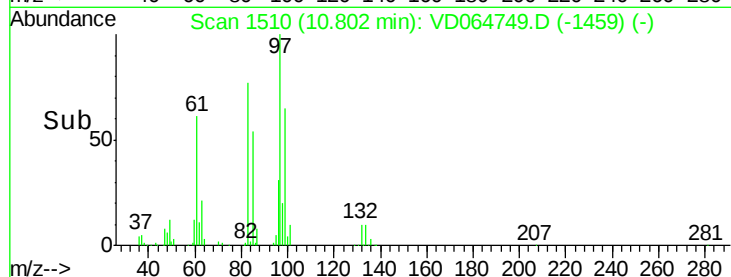
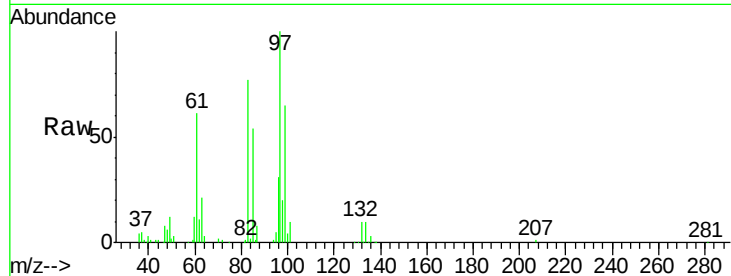
#55
 1,1,2-Trichloroethane
 Concen: 56.518 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	76.6	70.2	105.4
85	54.0	44.0	66.0
99	65.0	47.8	71.6

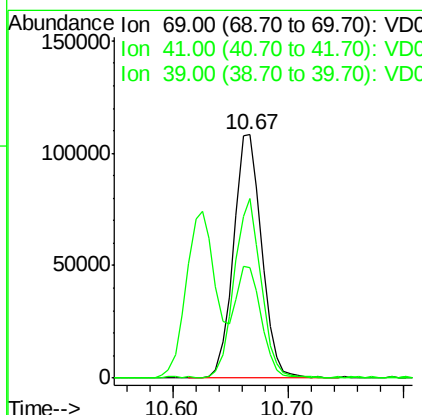
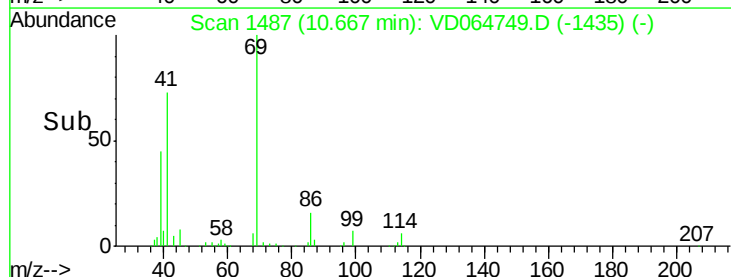
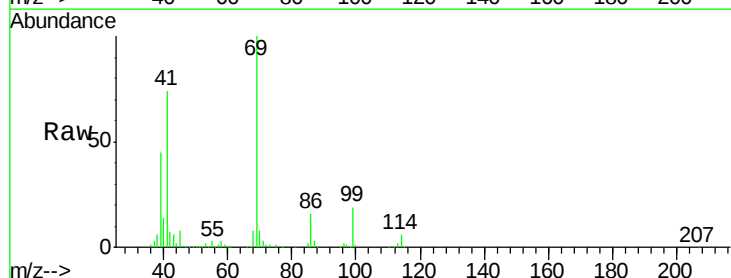
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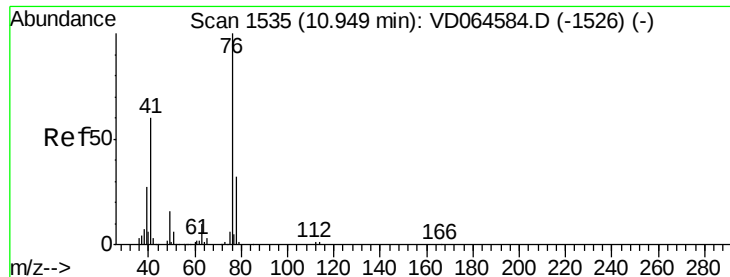
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#56
 Ethyl methacrylate
 Concen: 56.806 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.3	82.9
39	40.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 55.197 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 245459

Ion Ratio Lower Upper

76 100

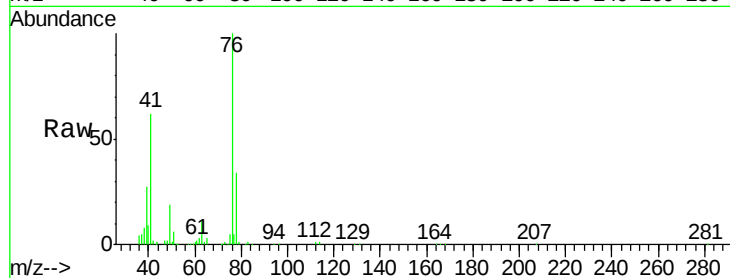
78 32.3 26.2 39.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

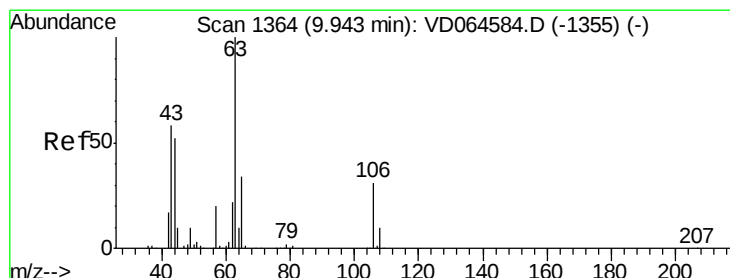
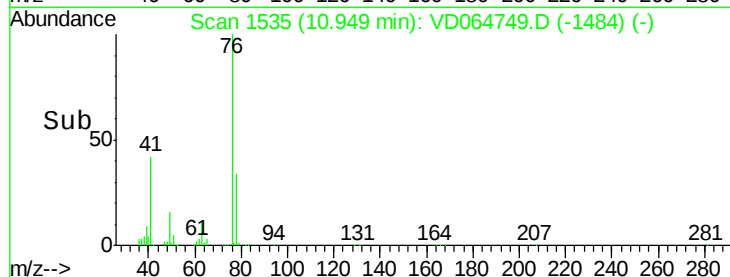
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.338 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064749.D

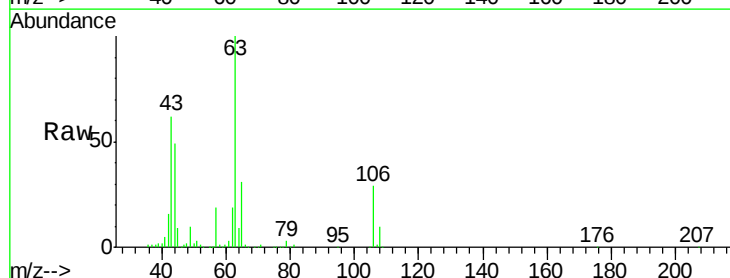
Acq: 03 Jan 2020 23:13

Tgt Ion: 63 Resp: 312554

Ion Ratio Lower Upper

63 100

106 30.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

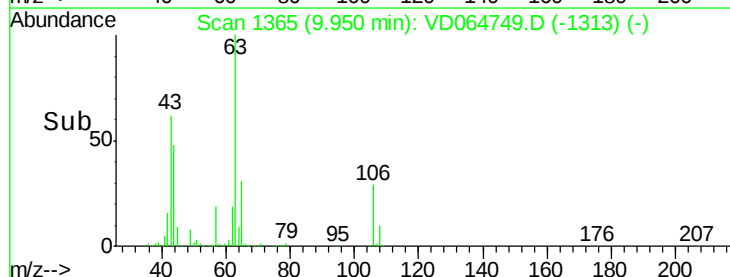
150000

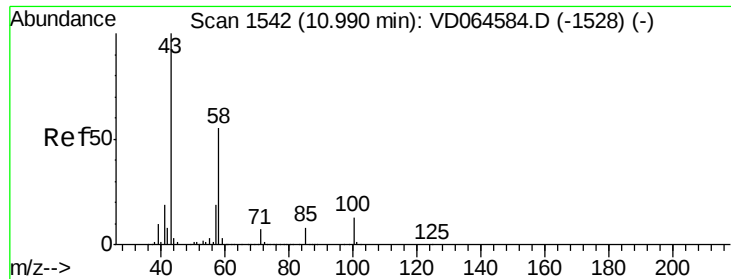
100000

50000

0

Time-->





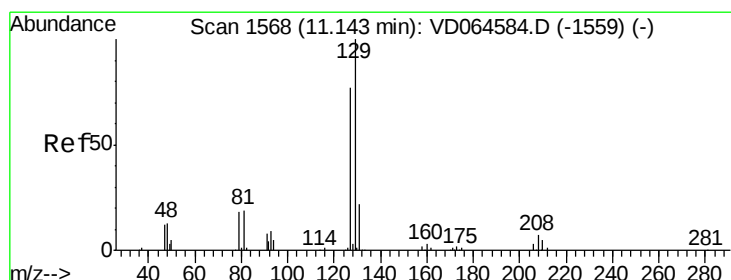
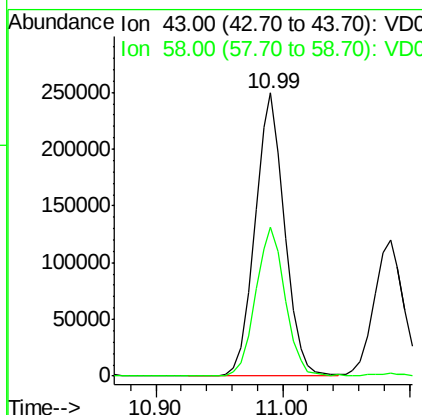
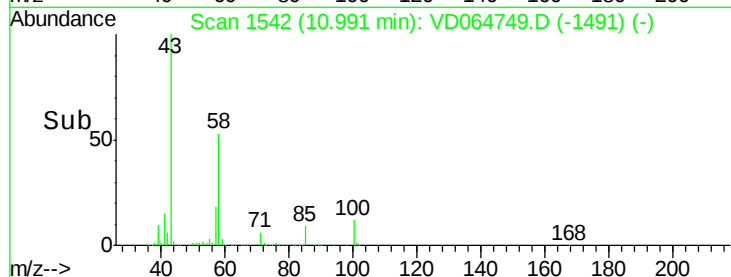
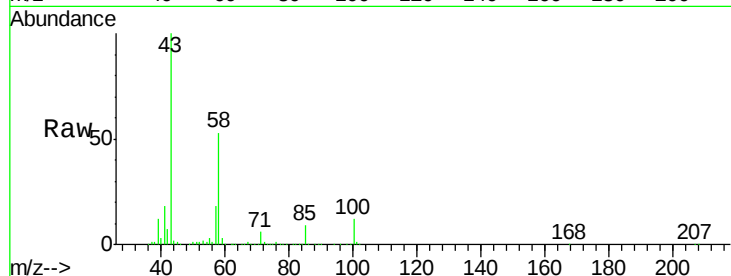
#59
2-Hexanone
Concen: 291.706 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 403547
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

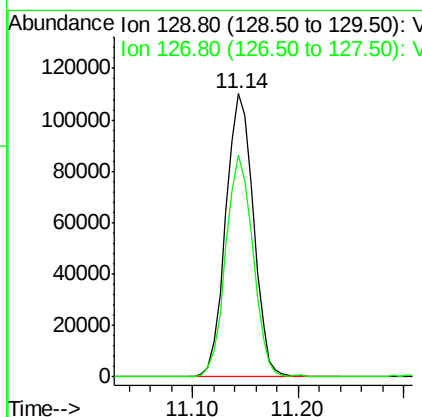
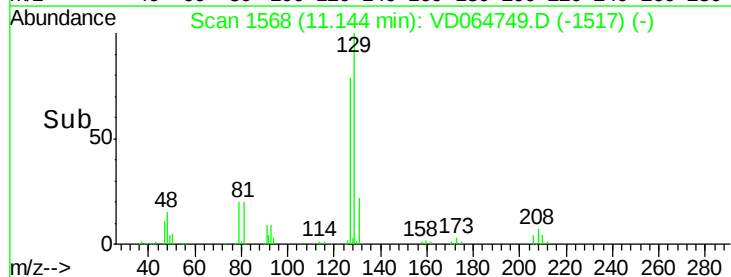
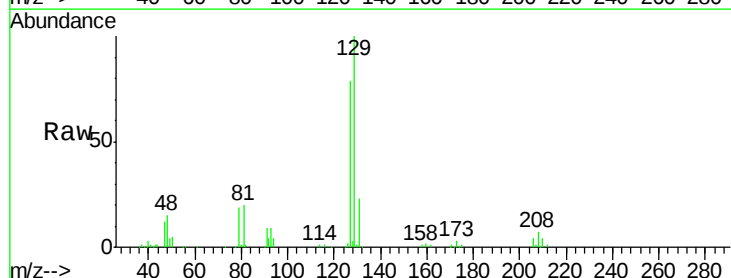
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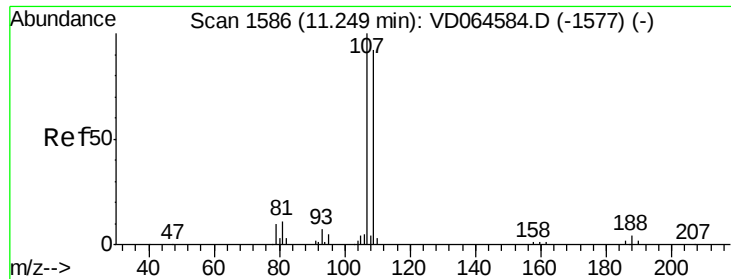
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#60
Dibromochloromethane
Concen: 55.996 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 129 Resp: 199994
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2





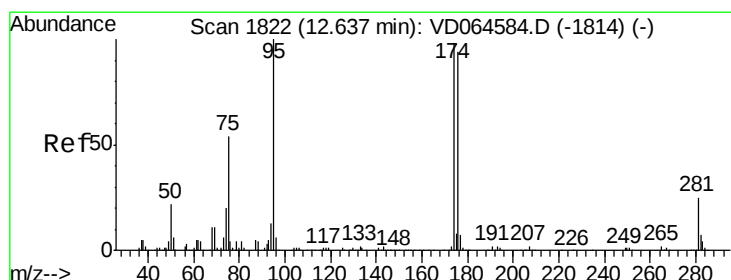
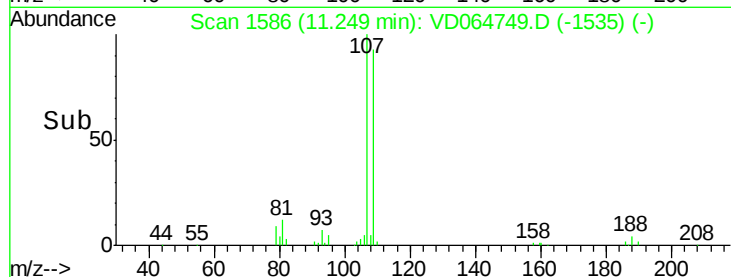
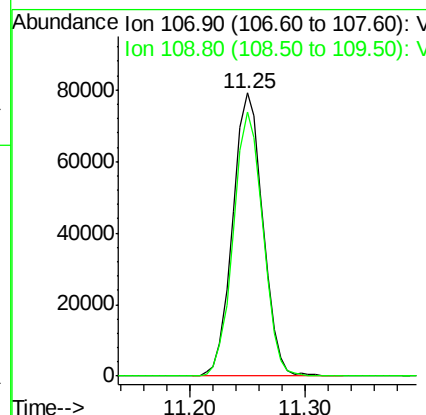
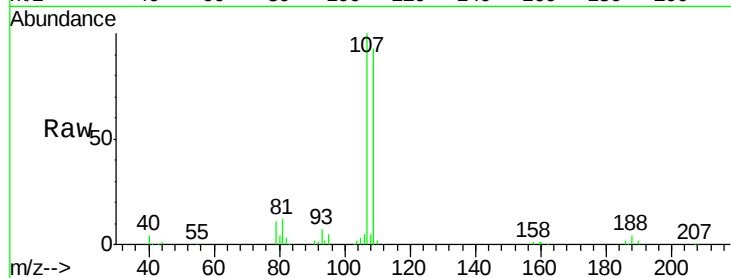
#61
 1,2-Dibromoethane
 Concen: 56.165 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 143076
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.6 113.4

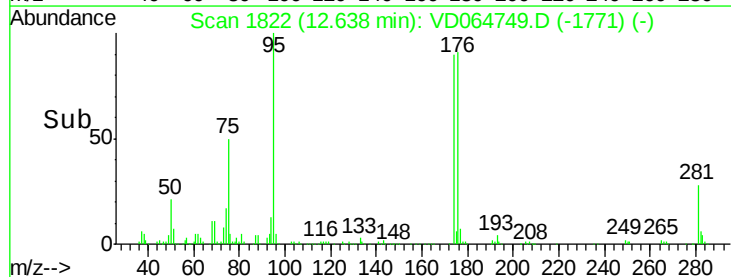
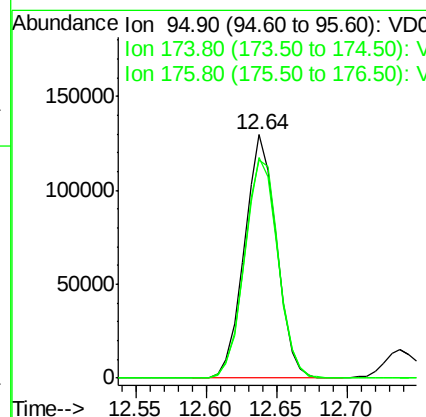
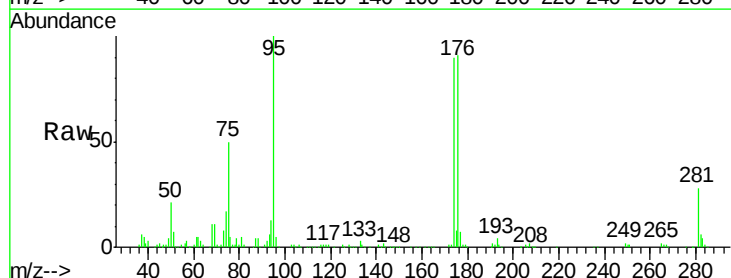
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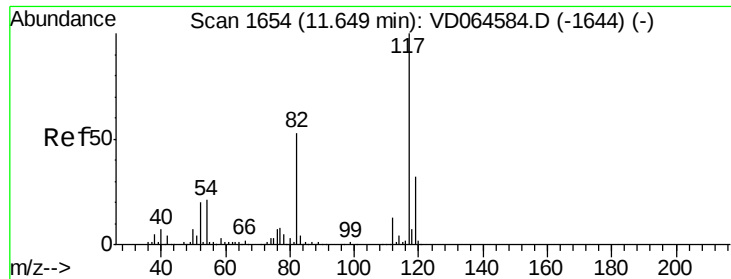
apatel
 1/6/2020 10:50:01 AM



#62
 4-Bromofluorobenzene
 Concen: 50.624 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion: 95 Resp: 206091
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 193.2
 176 93.5 0.0 184.2





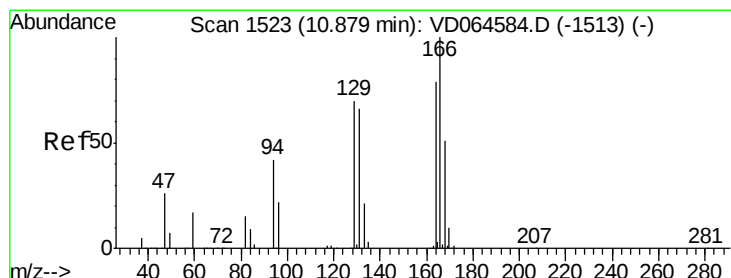
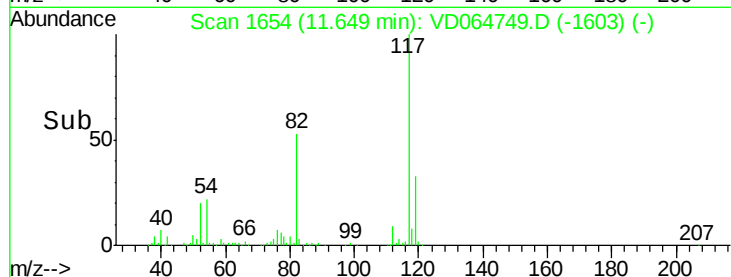
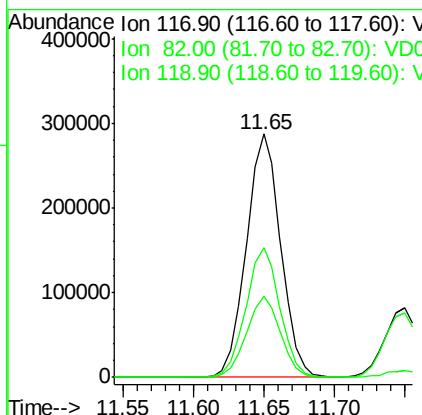
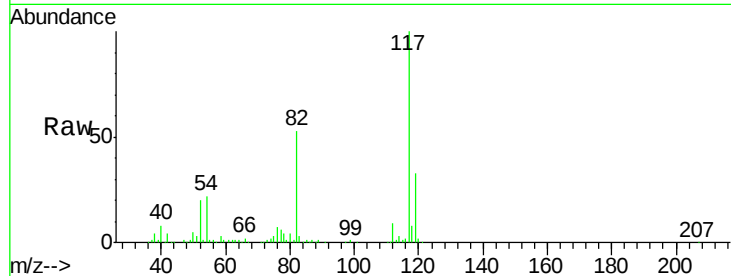
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	489425		
82	53.0	42.2	63.4	
119	33.2	26.0	39.0	

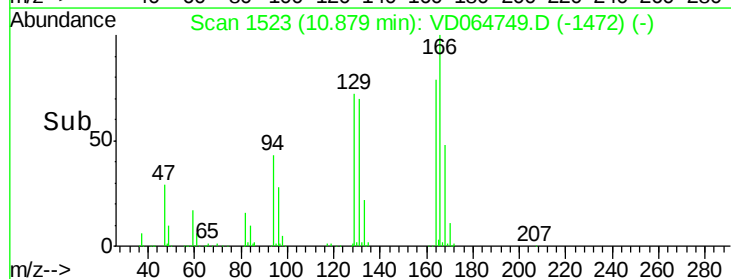
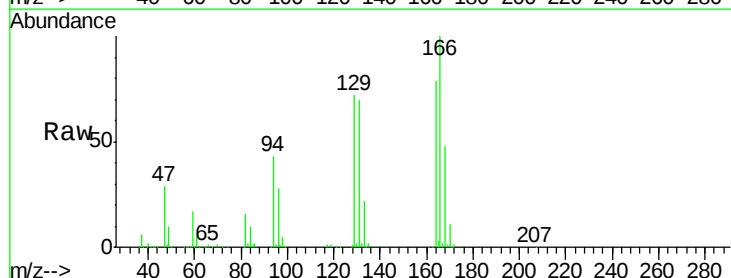
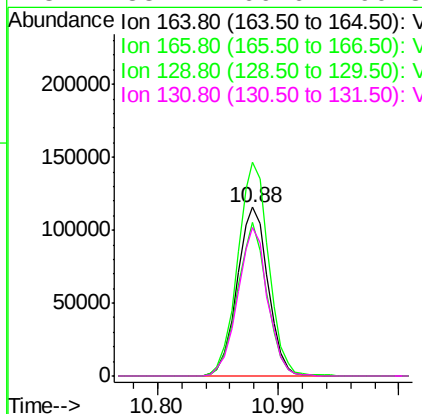
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#64
Tetrachloroethene
Concen: 55.165 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207131		
166	126.8	101.3	151.9	
129	91.0	70.5	105.7	
131	88.2	66.6	99.8	





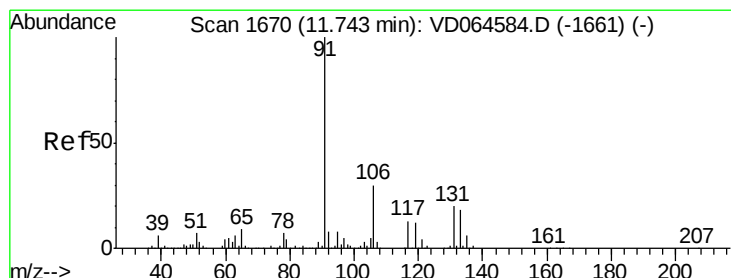
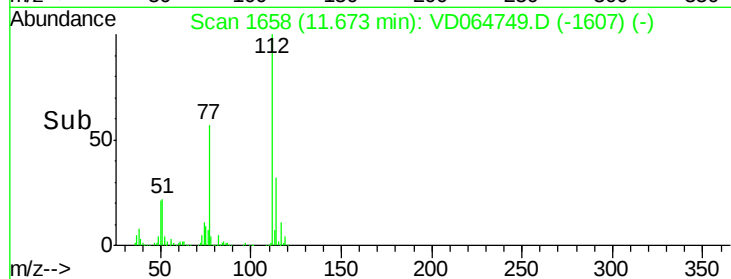
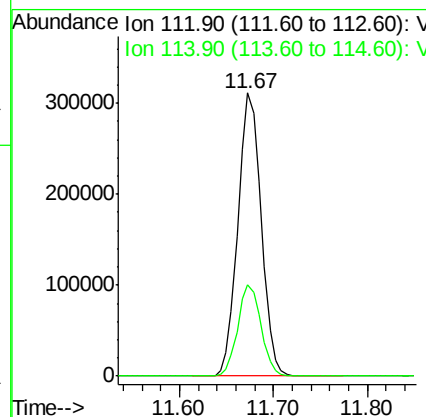
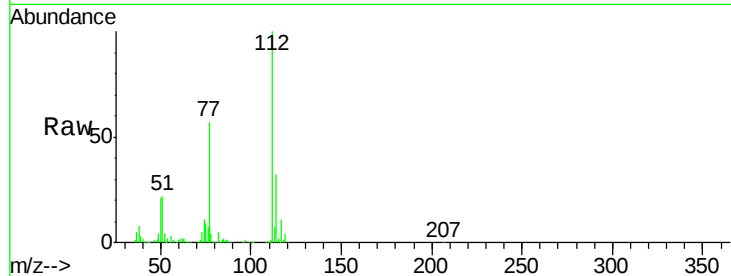
#65
Chlorobenzene
Concen: 52.965 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.8	37.2

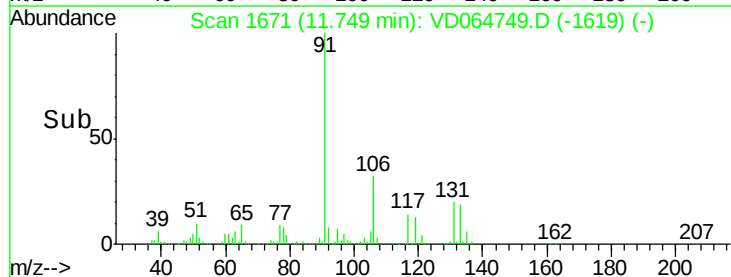
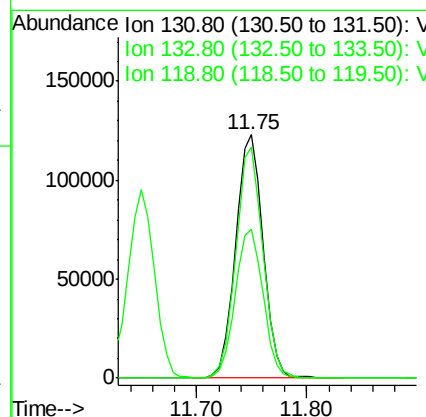
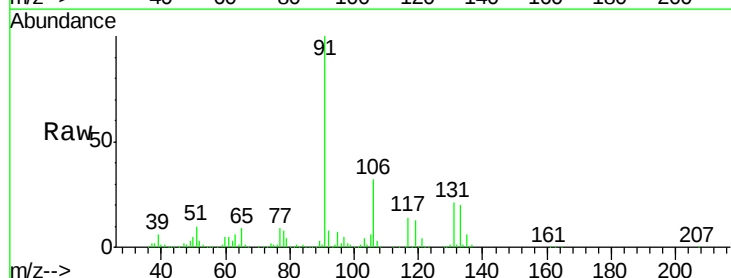
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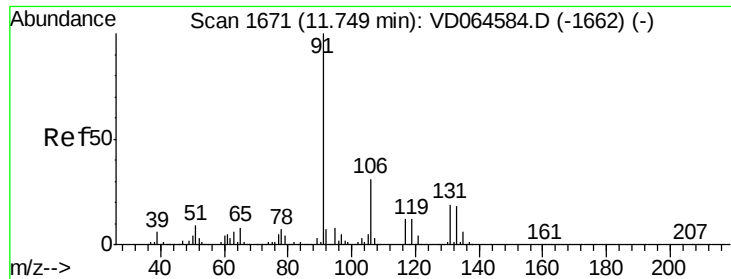
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.019 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.3	144.8
119	61.7	32.1	96.3





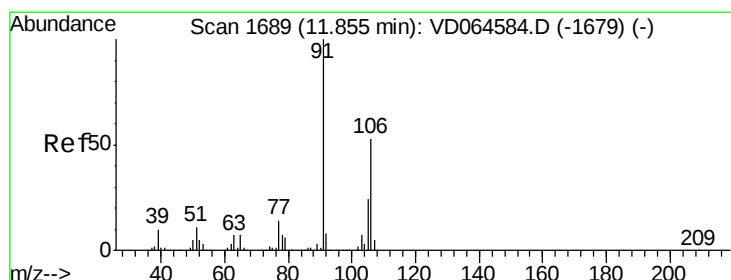
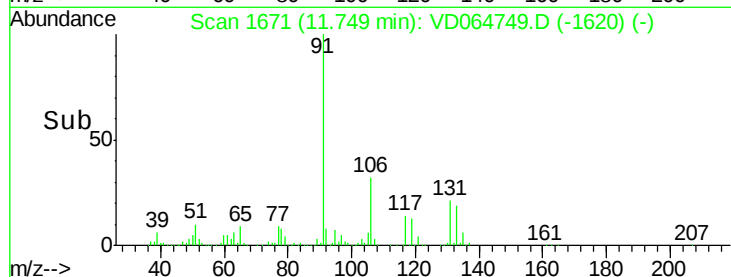
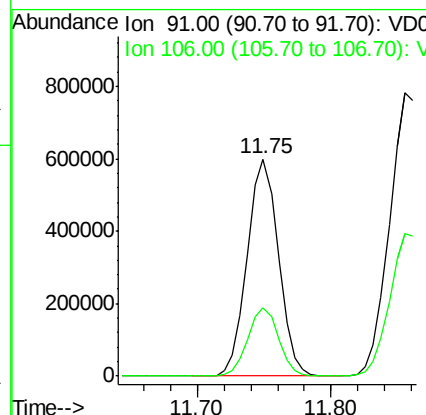
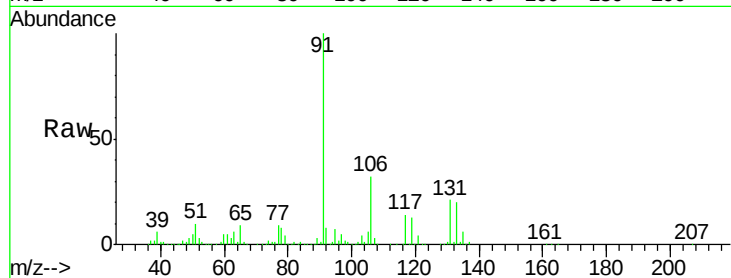
#67
Ethyl Benzene
Concen: 52.626 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 970276
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8

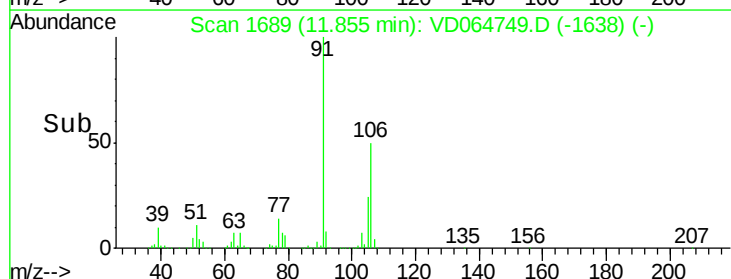
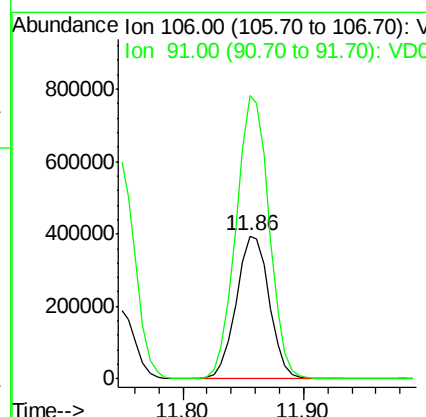
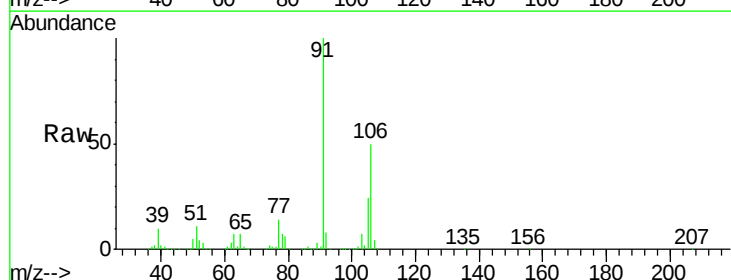
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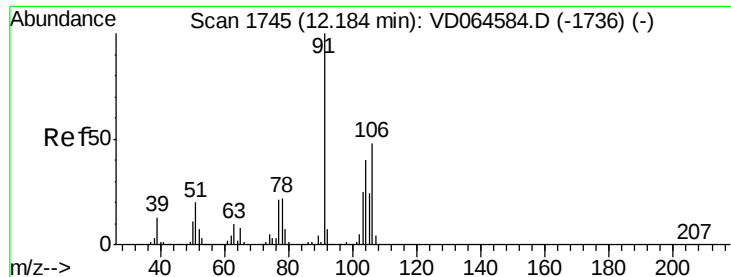
apatel
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#68
m/p-Xylenes
Concen: 105.731 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion: 106 Resp: 752422
Ion Ratio Lower Upper
106 100
91 198.5 156.3 234.5





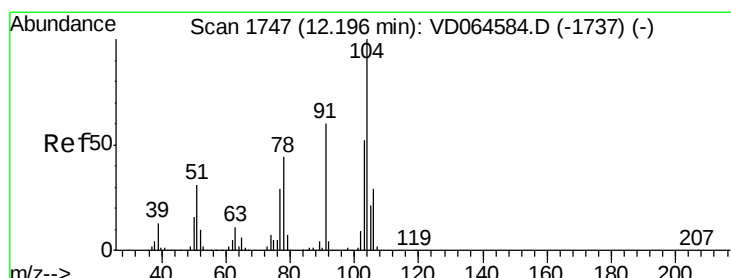
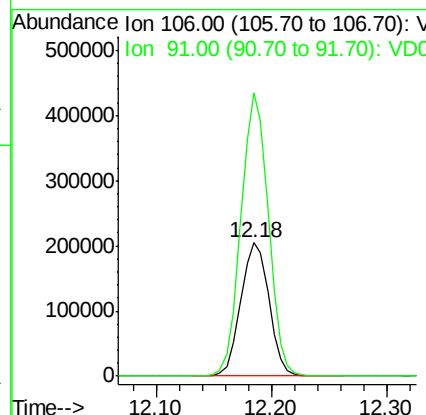
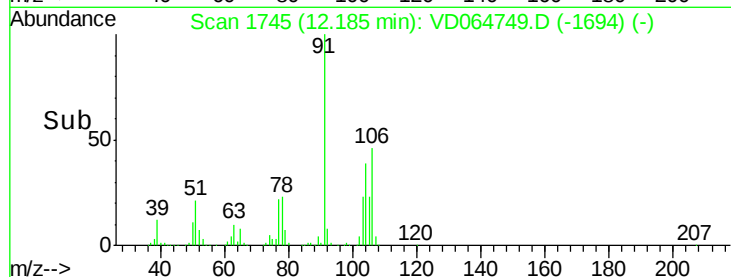
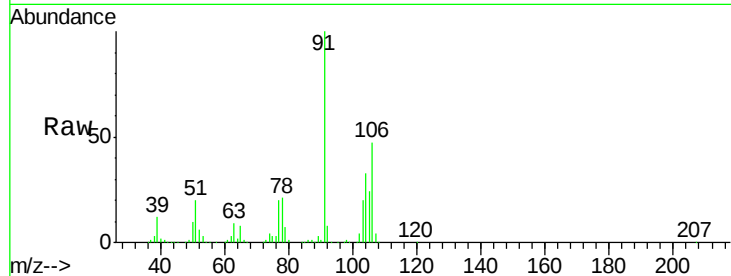
#69
o-Xylene
Concen: 53.925 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 346627
Ion Ratio Lower Upper
106 100
91 206.4 104.8 314.4

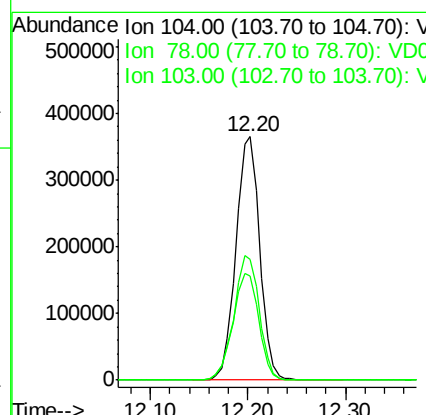
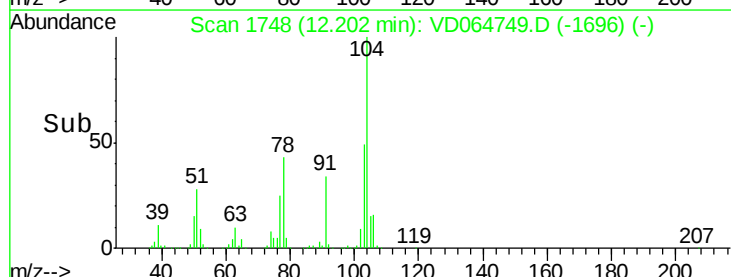
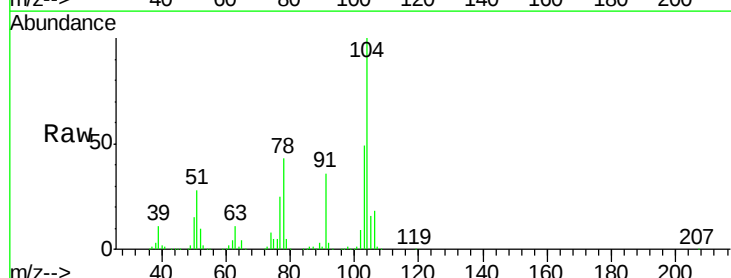
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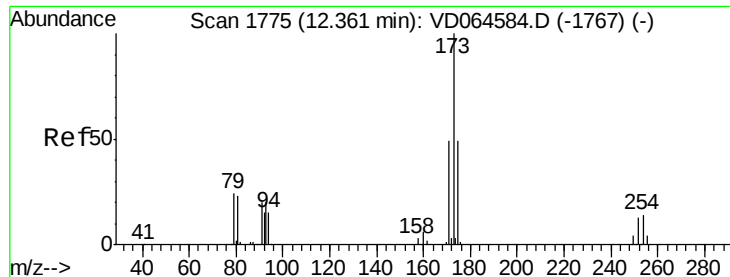
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#70
Styrene
Concen: 54.504 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion:104 Resp: 614952
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 54.6 44.6 67.0





#71

Bromoform

Concen: 55.180 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

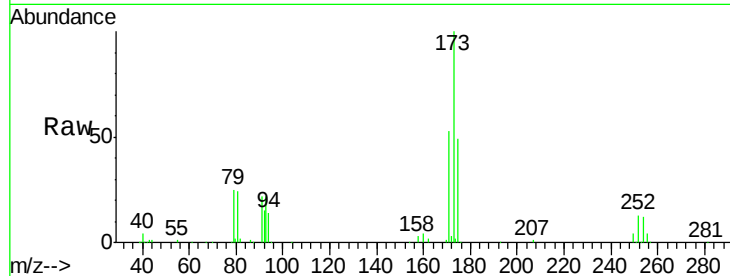
ClientSampleId :

VSTDCCC050

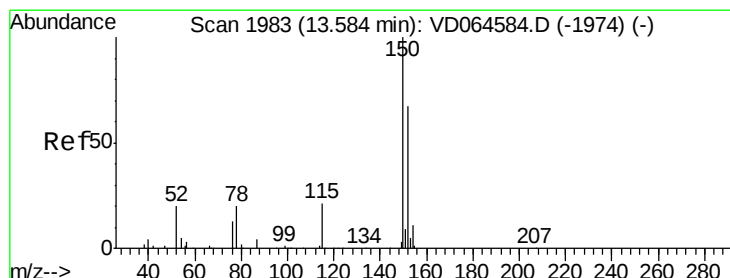
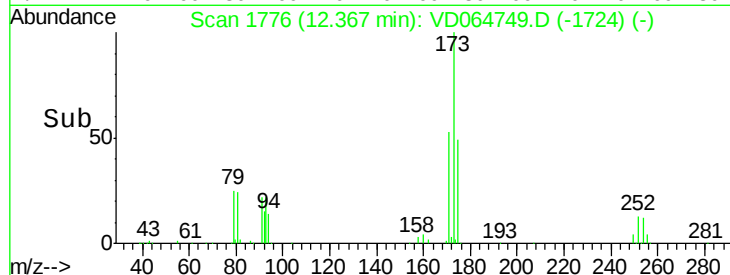
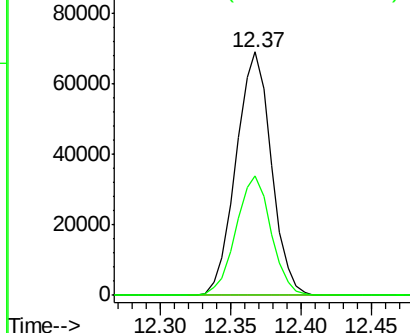
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.1	0.1	0.1#

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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

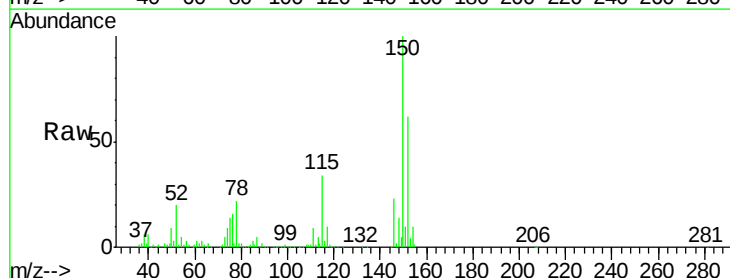
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

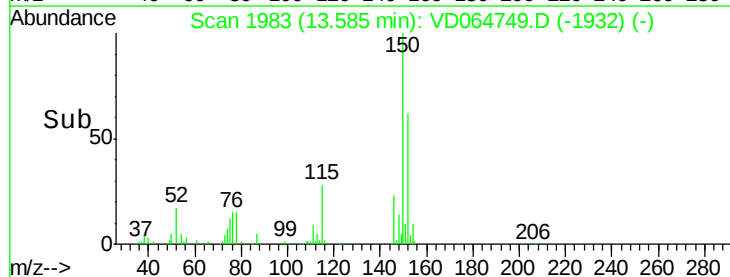
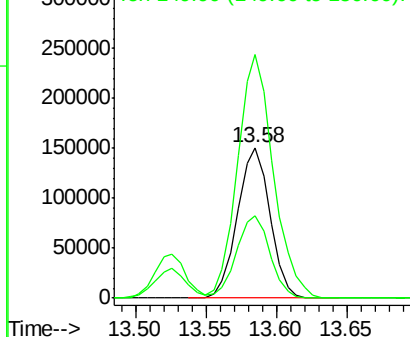
Lab File: VD064749.D

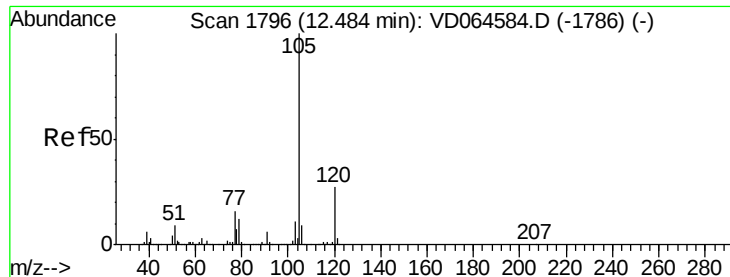
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	177.2	0.0	351.4



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: 52.842 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 920006

Ion Ratio Lower Upper

105 100

120 26.9

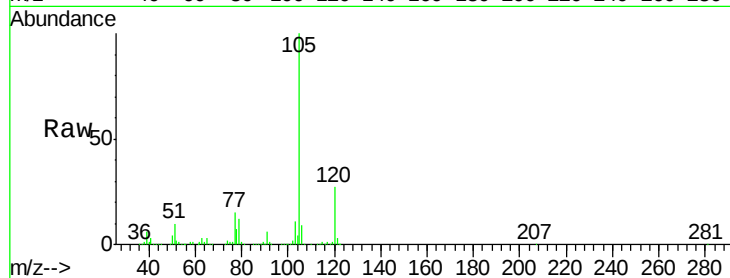
13.5 40.5

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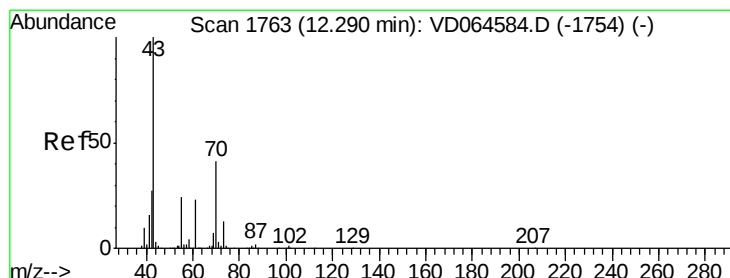
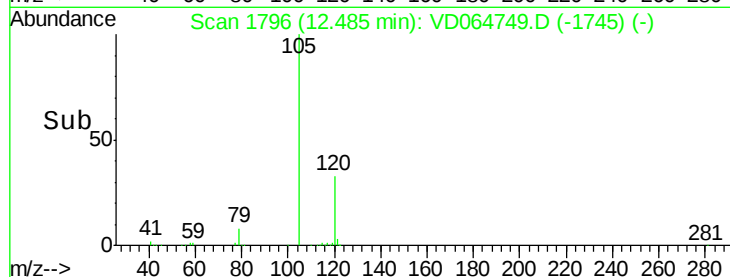
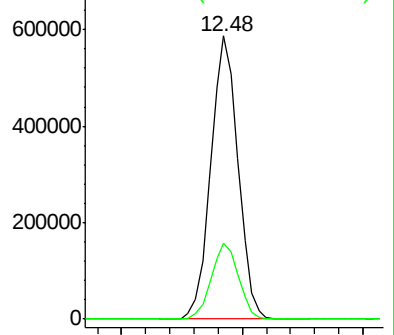
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.323 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion: 43 Resp: 209620

Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 24.9 19.4 29.0

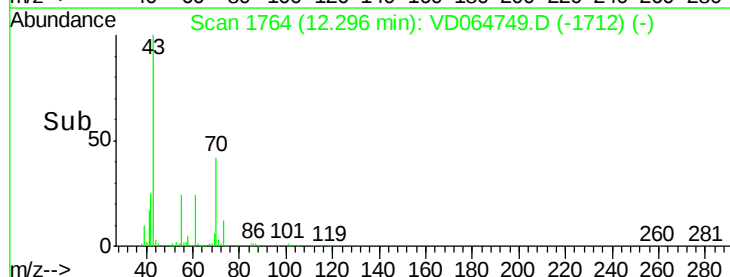
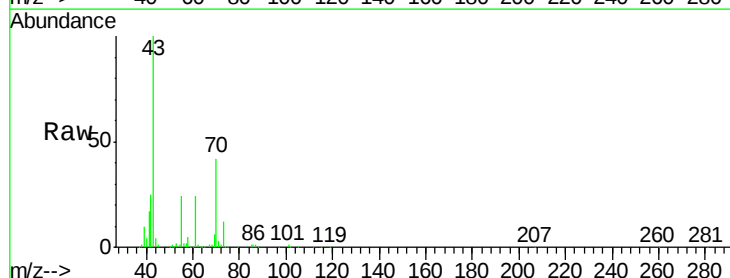
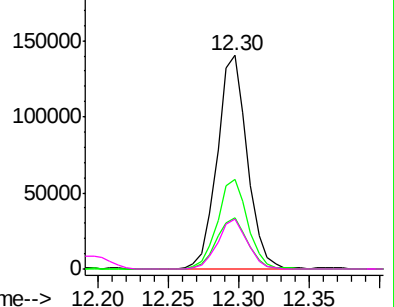
61 23.2 18.3 27.5

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: 56.599 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 154798

Ion Ratio Lower Upper

83 100

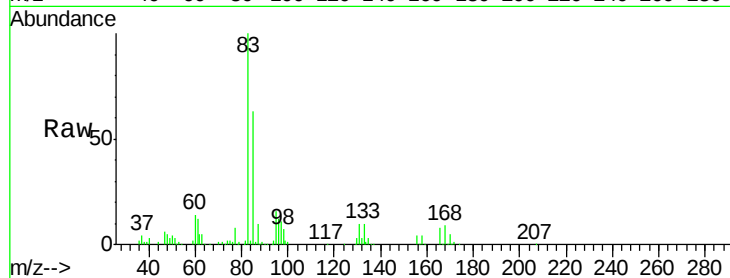
131 11.7 5.8 17.4

85 63.1 32.3 96.9

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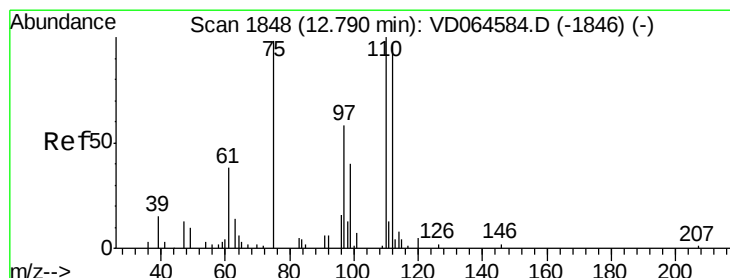
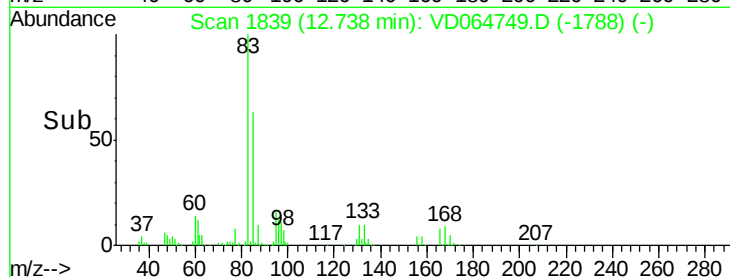
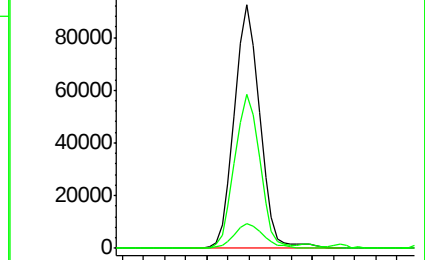


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.74



#76

1,2,3-Trichloropropane

Concen: 52.518 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064749.D

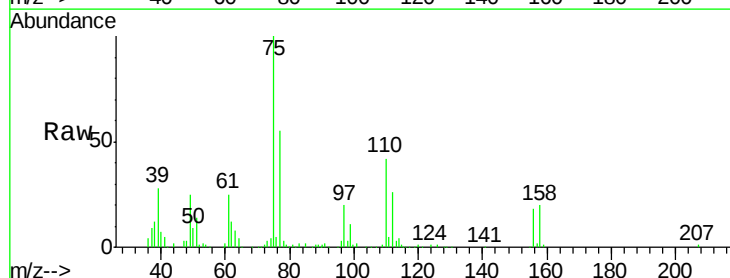
Acq: 03 Jan 2020 23:13

Tgt Ion: 75 Resp: 101037

Ion Ratio Lower Upper

75 100

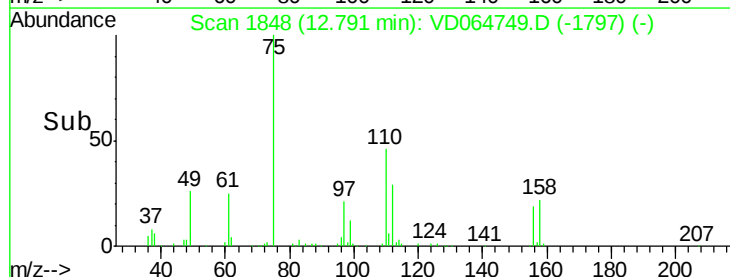
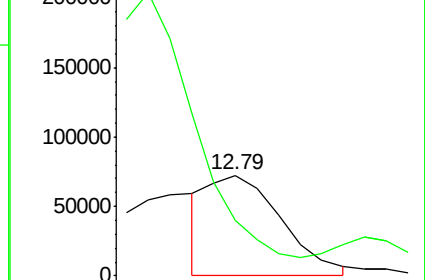
77 0.0 0.0 0.0

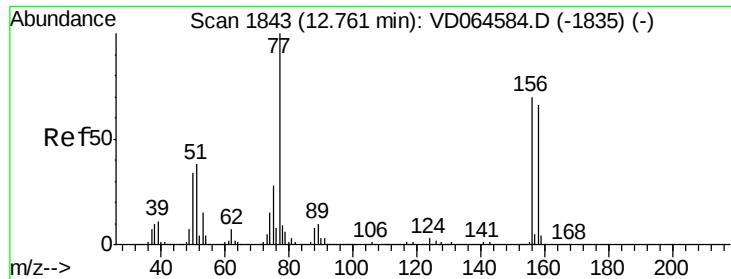


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.79





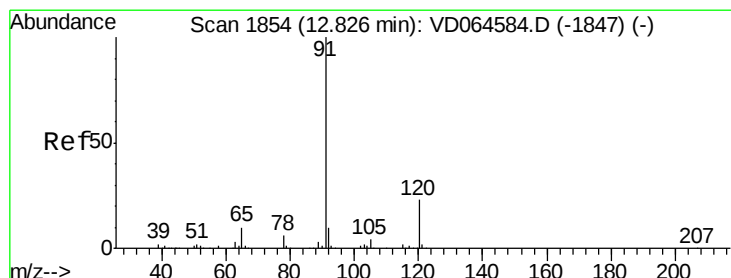
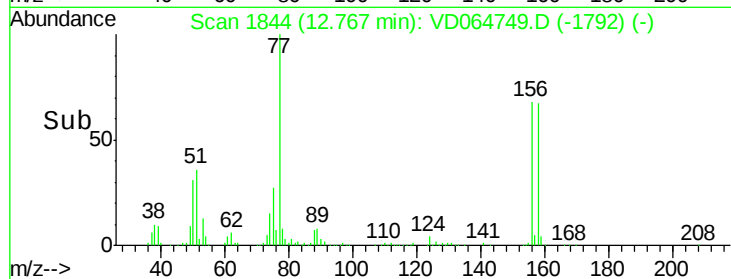
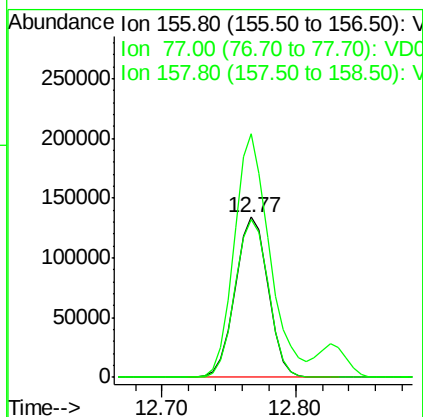
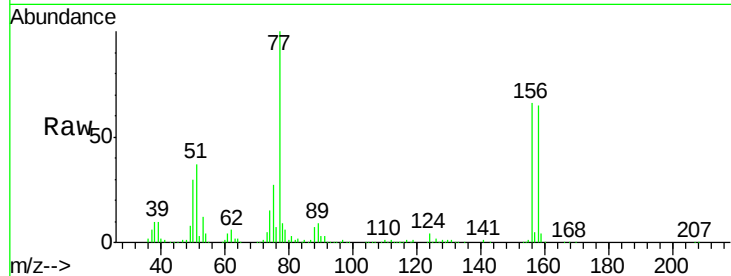
#77
Bromobenzene
Concen: 53.495 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	164.1	80.9	242.7
158	99.7	48.0	144.2

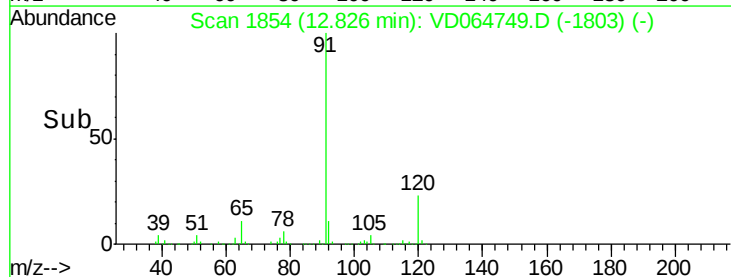
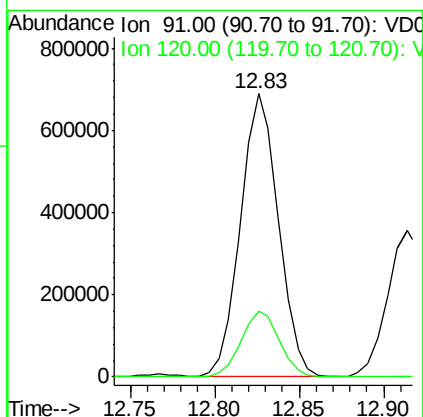
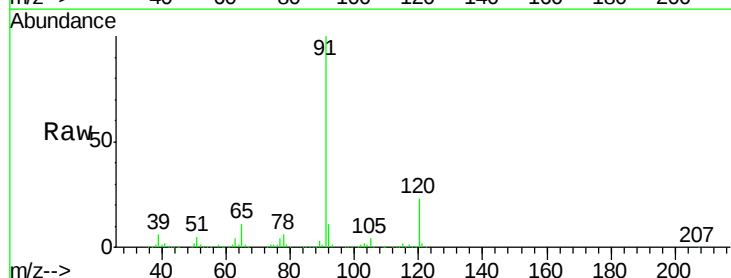
Manual Integrations
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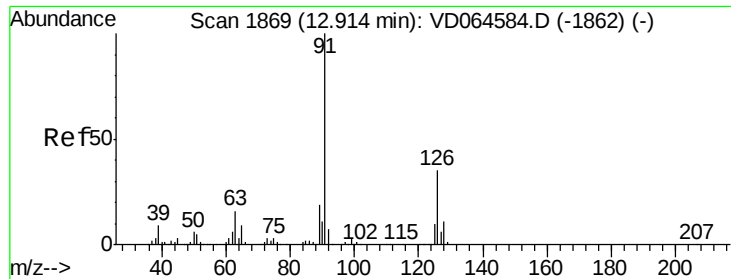
apatel
1/6/2020 10:50:01 AM



#78
n-propylbenzene
Concen: 52.925 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 53.138 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 592907

Ion Ratio Lower Upper

91 100

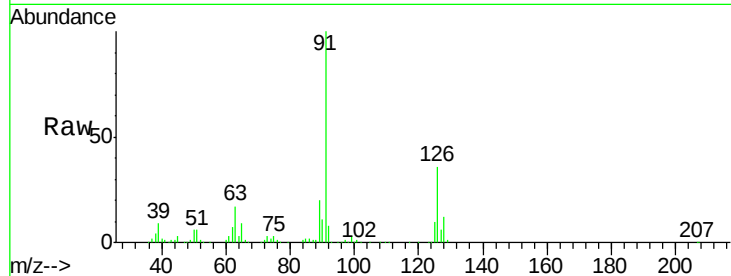
126 36.4 17.8 53.5

Manual Integrations

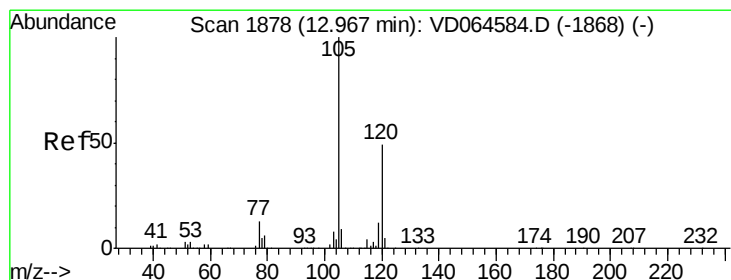
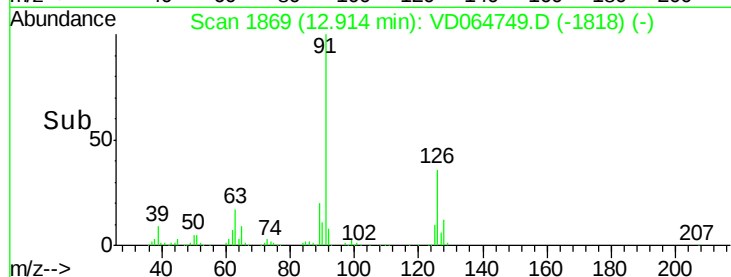
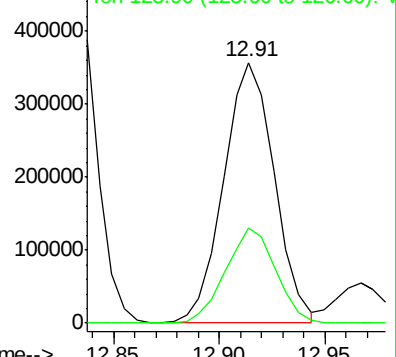
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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.097 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064749.D

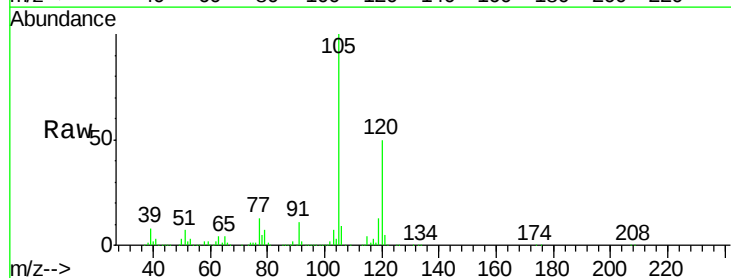
Acq: 03 Jan 2020 23:13

Tgt Ion: 105 Resp: 773689

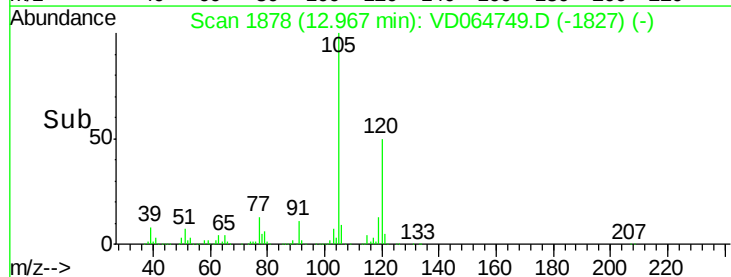
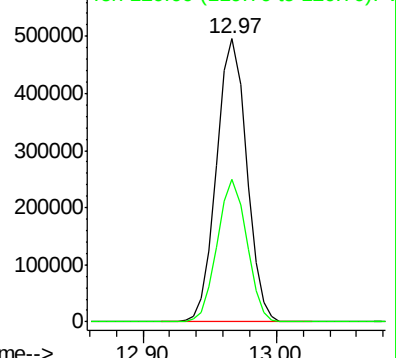
Ion Ratio Lower Upper

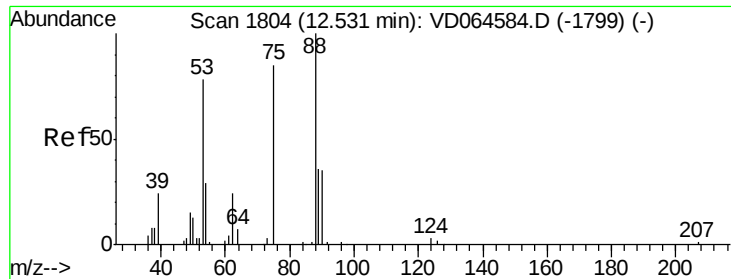
105 100

120 49.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.030 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Instrument :

MSVOA_D

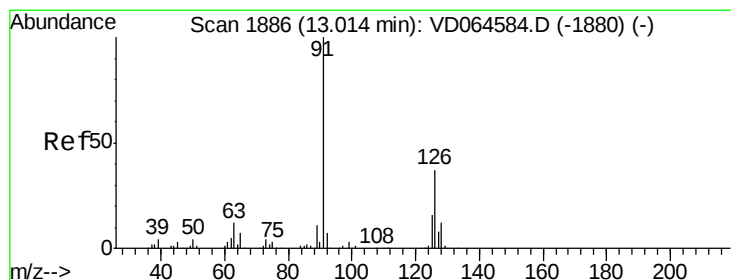
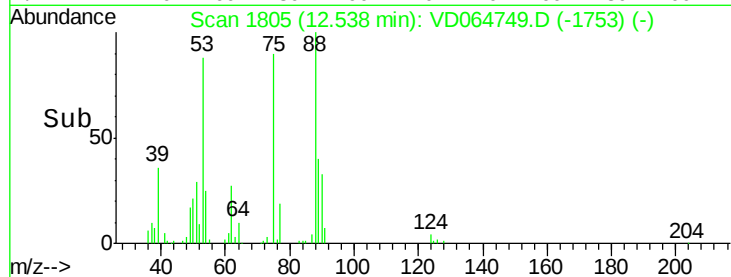
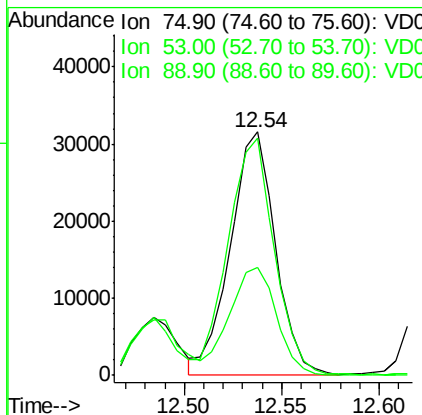
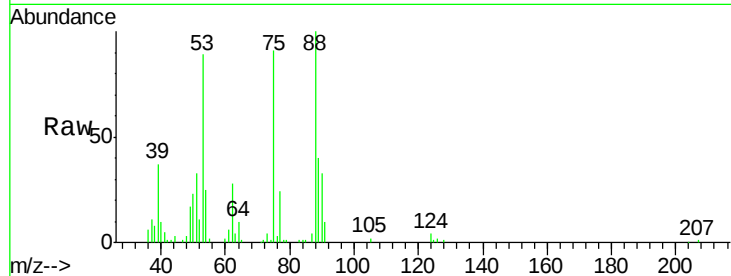
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	50620
Ion Ratio	Lower	Upper	
75	100		
53	99.5	78.8	118.2
89	46.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 53.328 ug/l

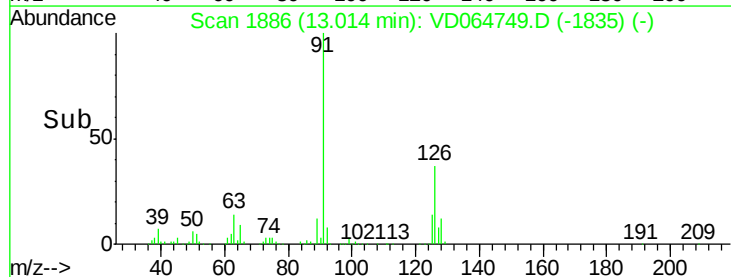
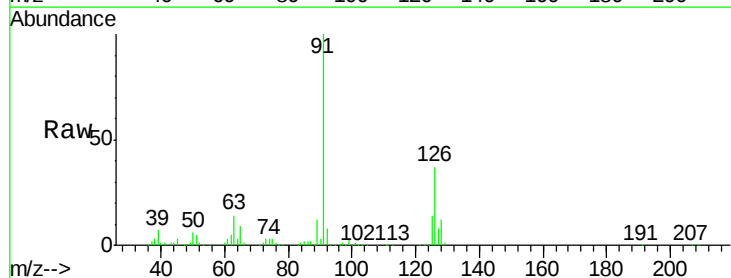
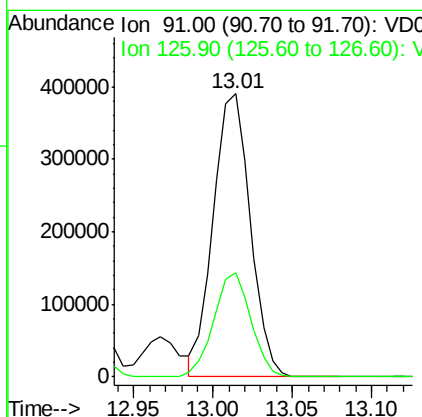
RT: 13.01 min Scan# 1886

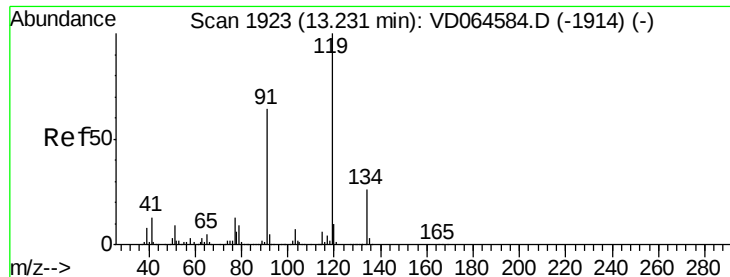
Delta R.T. 0.00 min

Lab File: VD064749.D

Acq: 03 Jan 2020 23:13

Tgt Ion:	91	Resp:	633219
Ion Ratio	Lower	Upper	
91	100		
126	36.8	17.8	53.5





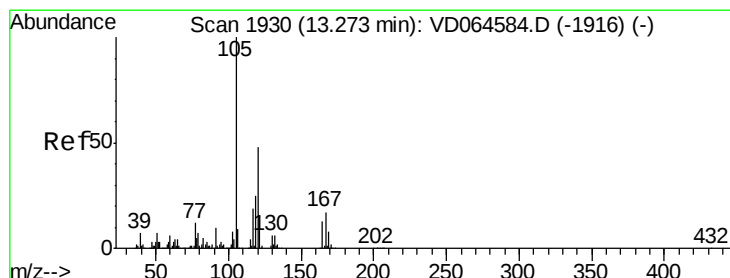
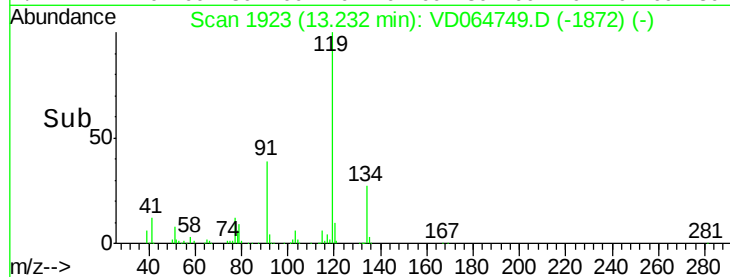
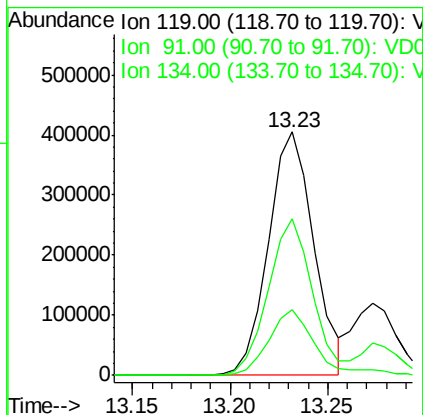
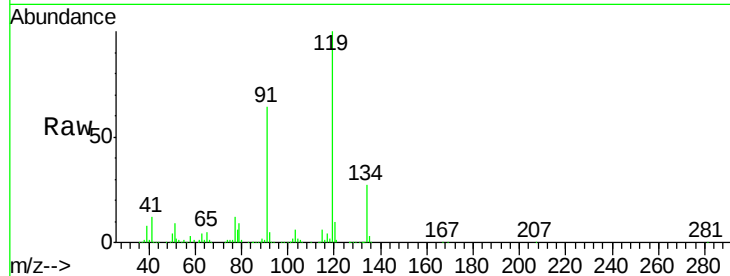
#83
 tert-Butylbenzene
 Concen: 52.620 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	653406		
91	63.2	30.8	92.4	
134	27.8	12.8	38.3	

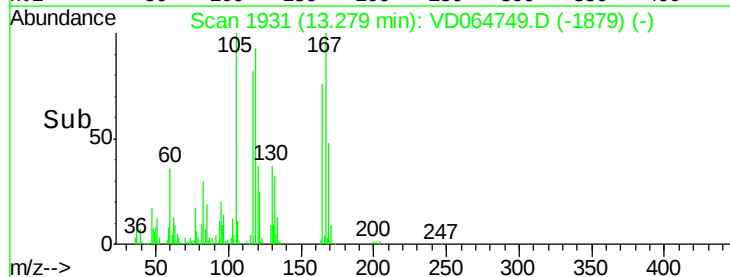
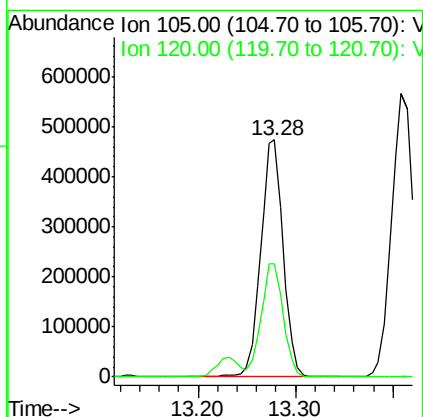
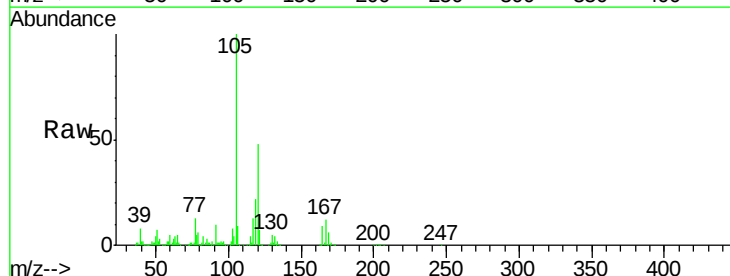
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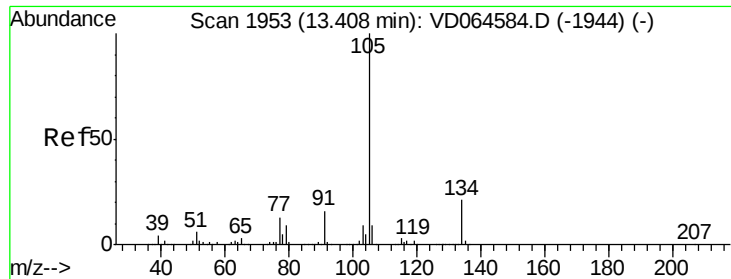
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.657 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	764278		
120	47.1	23.8	71.2	





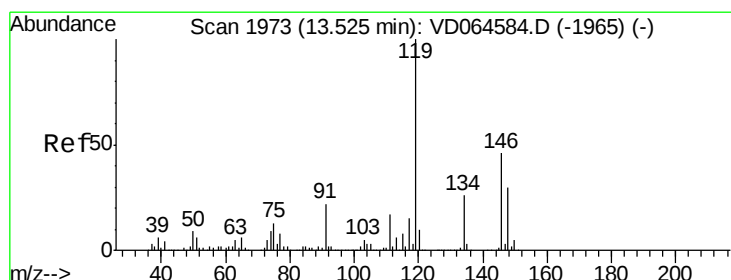
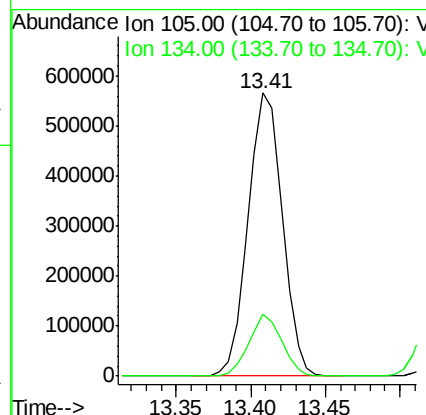
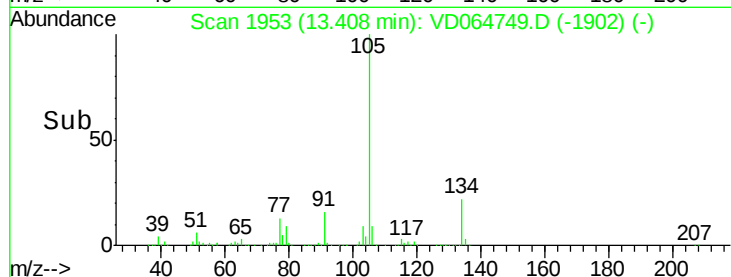
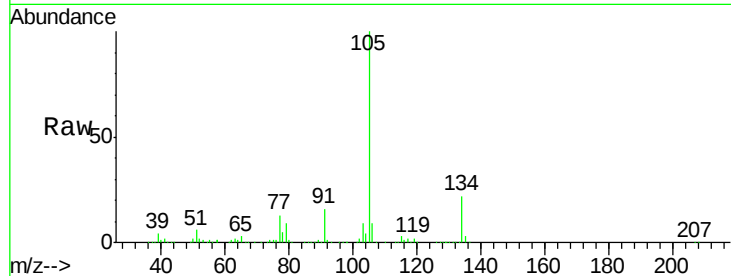
#85
 sec-Butylbenzene
 Concen: 52.757 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 898120
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8

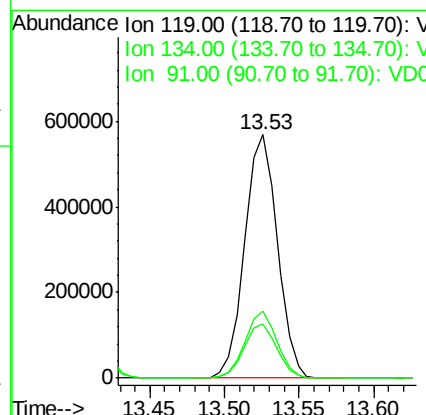
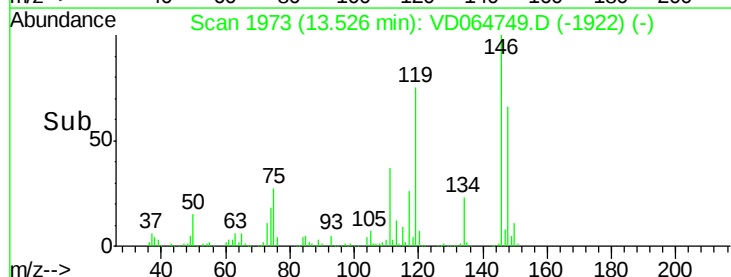
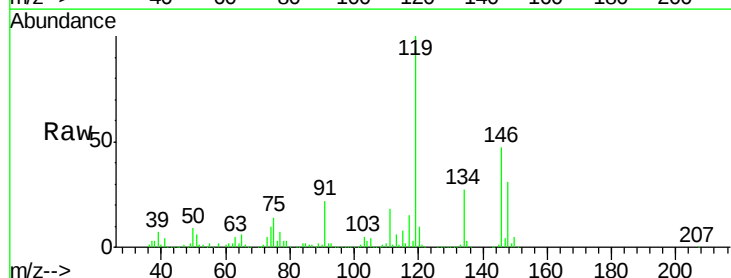
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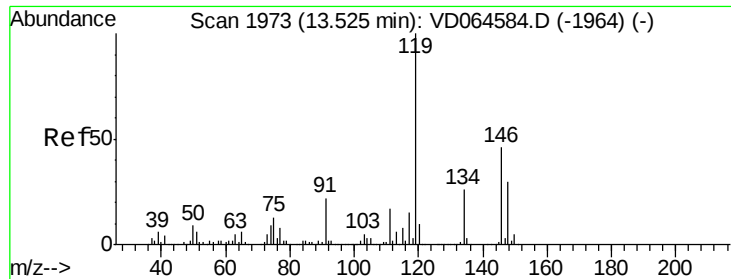
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#86
 p-Isopropyltoluene
 Concen: 52.786 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion:119 Resp: 859240
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 22.1 11.2 33.6





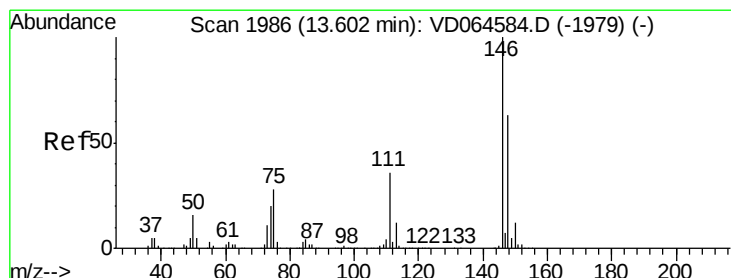
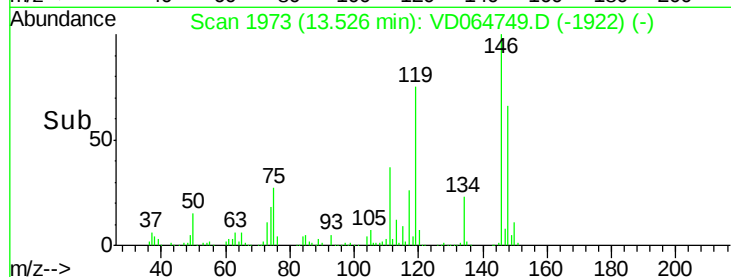
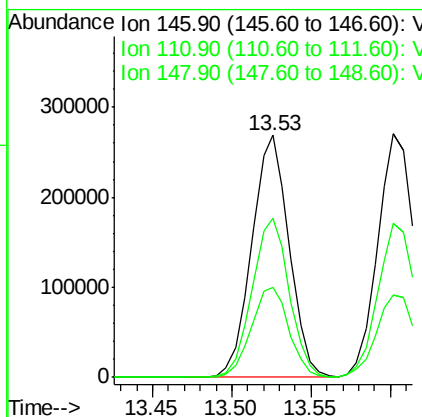
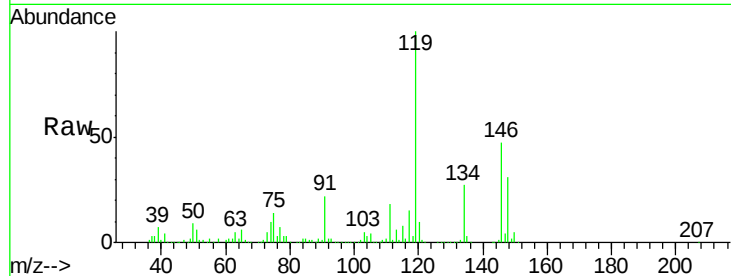
#87
 1,3-Dichlorobenzene
 Concen: 53.823 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	65.6	32.5	97.5

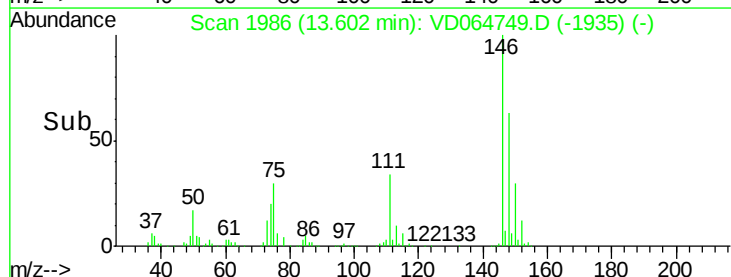
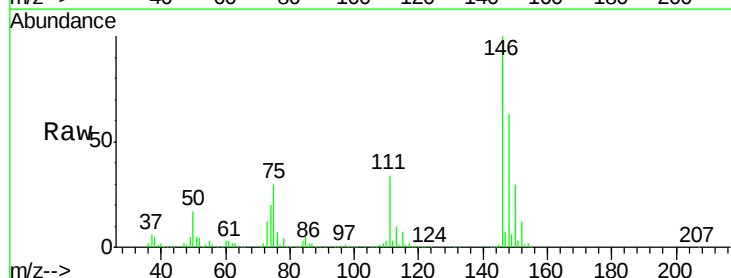
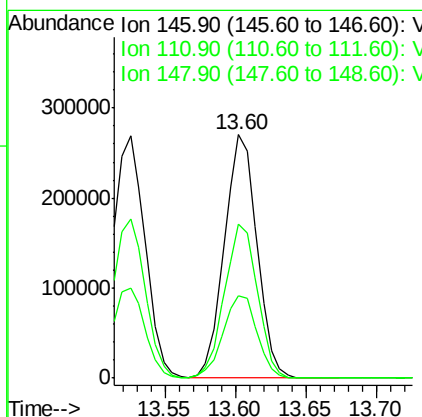
Manual Integrations
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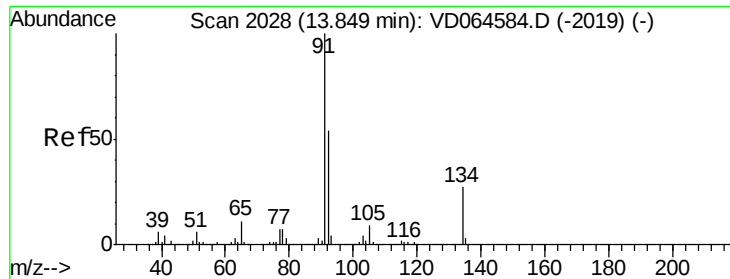
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#88
 1,4-Dichlorobenzene
 Concen: 54.244 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.1
148	64.1	32.3	96.9





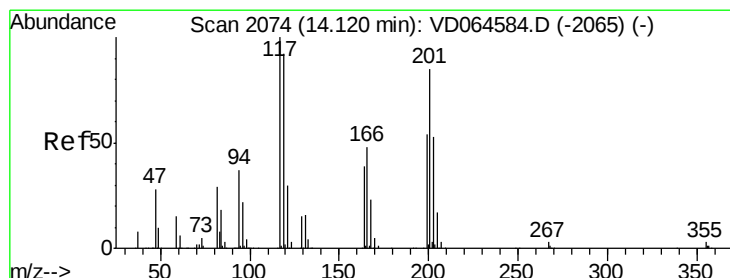
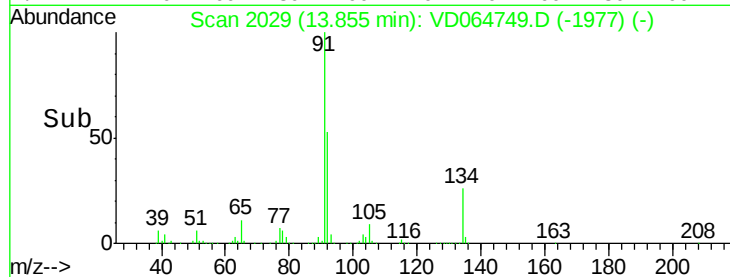
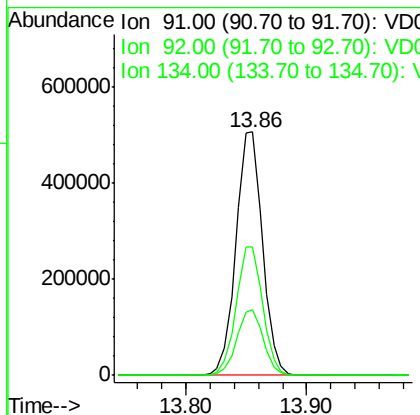
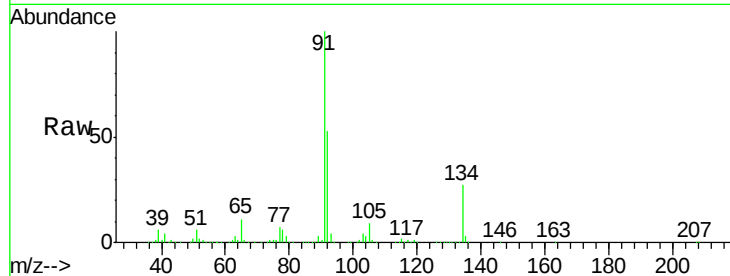
#89
n-Butylbenzene
Concen: 52.840 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	26.8	14.0	41.9

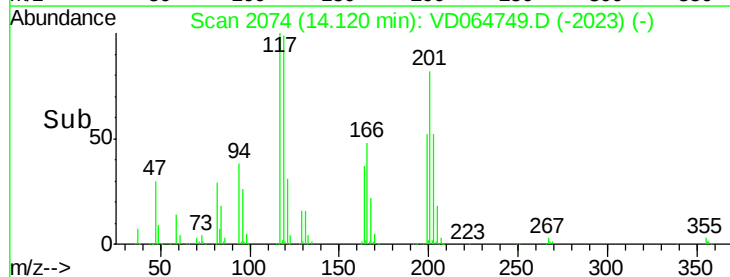
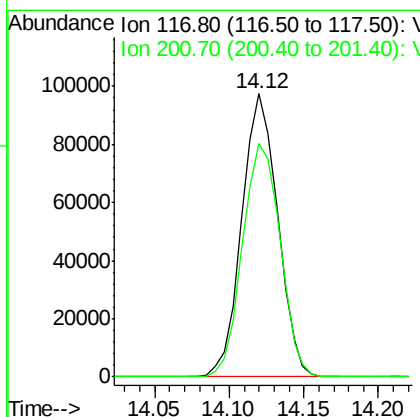
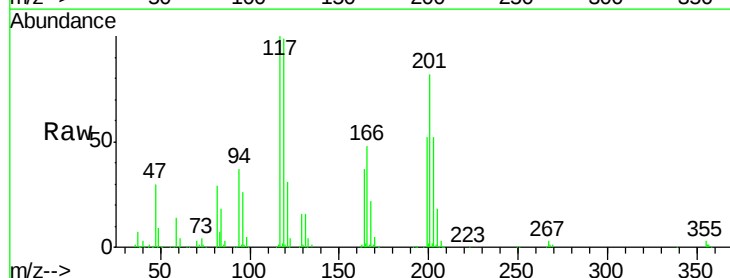
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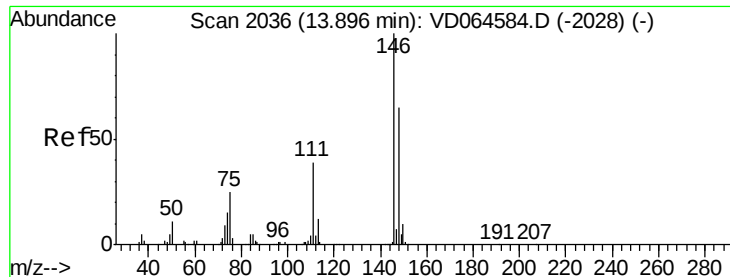
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#90
Hexachloroethane
Concen: 52.162 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	44.0	131.8





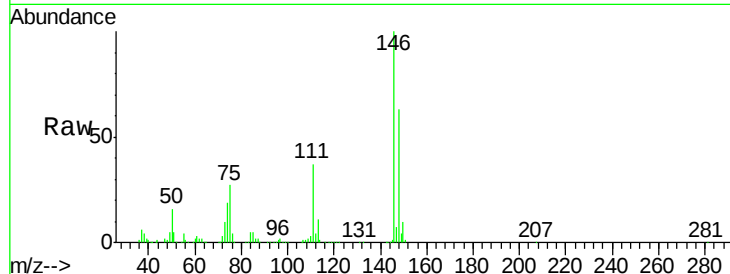
#91
 1,2-Dichlorobenzene
 Concen: 53.762 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.8	31.9	95.5

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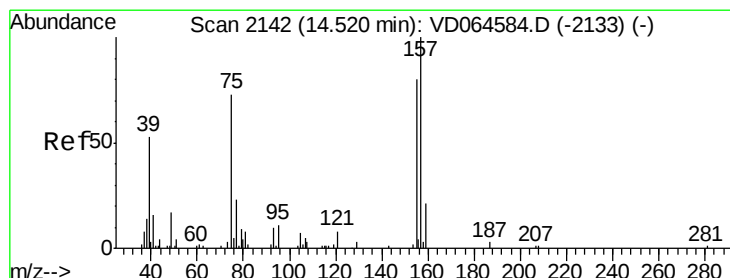
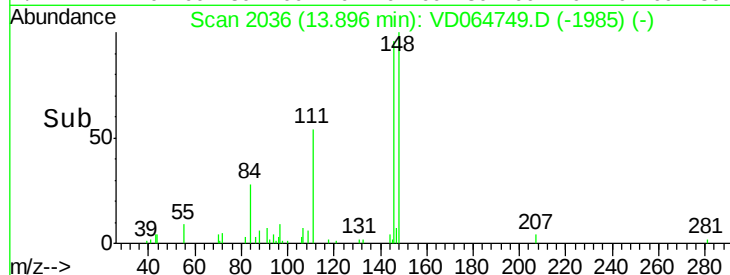
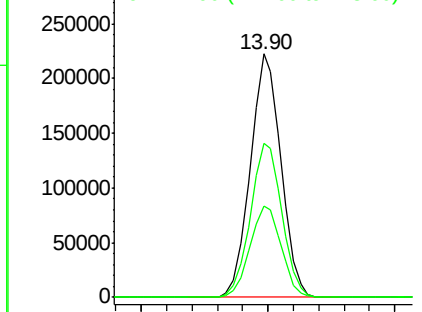


Abundance

Ion 145.90 (145.60 to 146.60): V

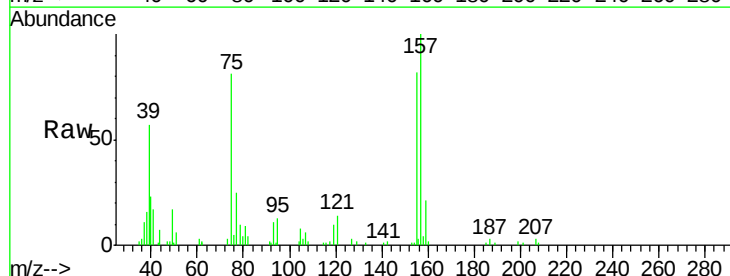
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.262 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	48.0	144.0
157	119.3	64.1	192.3

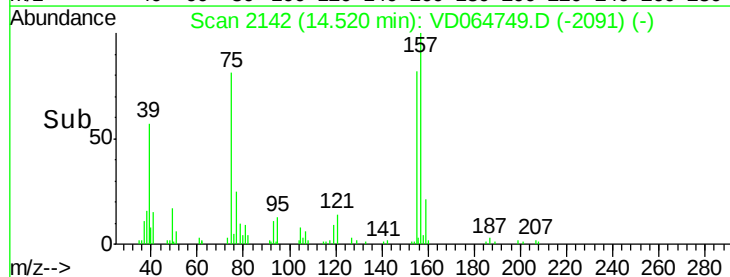
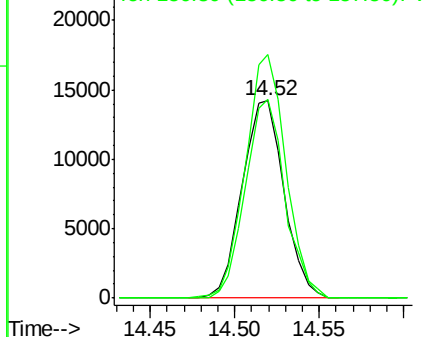


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





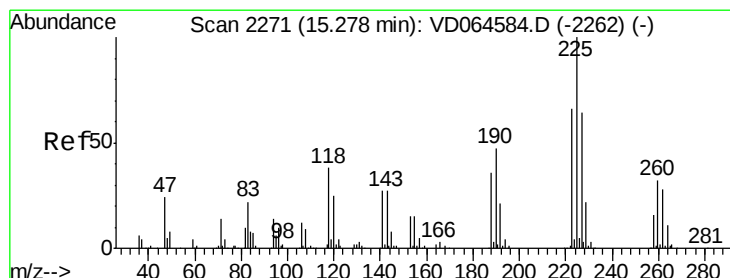
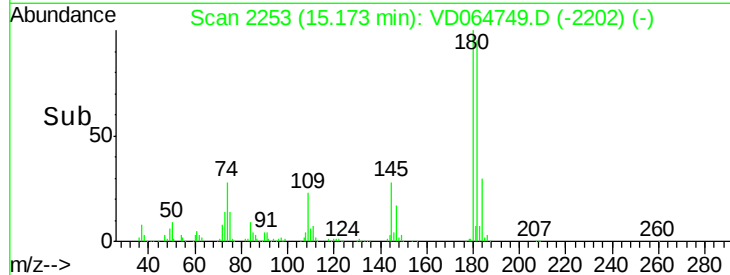
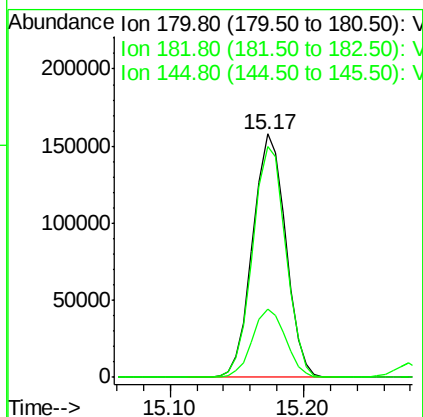
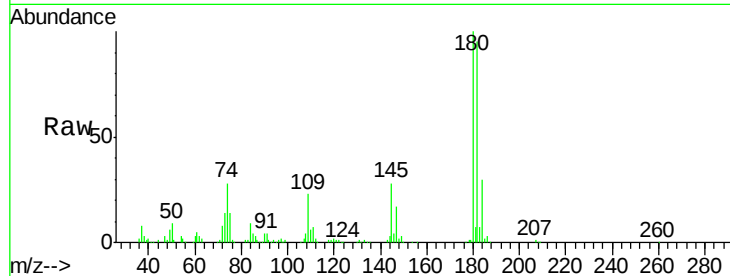
#93
 1,2,4-Trichlorobenzene
 Concen: 52.623 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	269451		
182	95.7	48.0	144.2	
145	28.4	13.8	41.4	

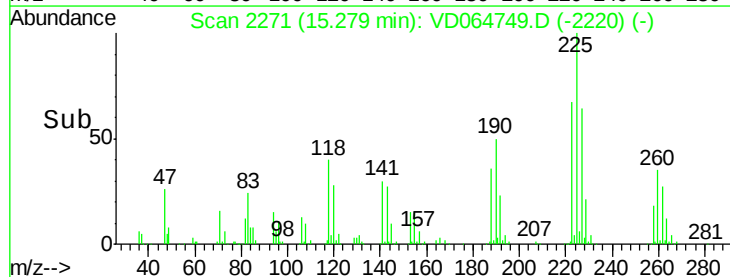
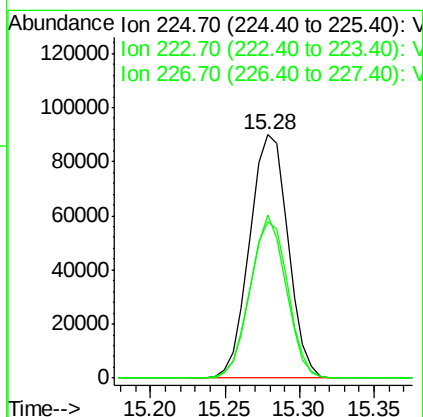
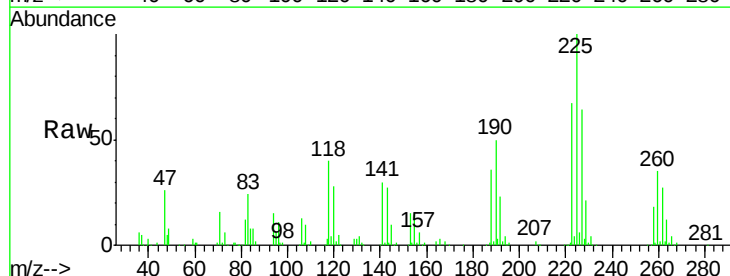
Manual Integrations
 APPROVED

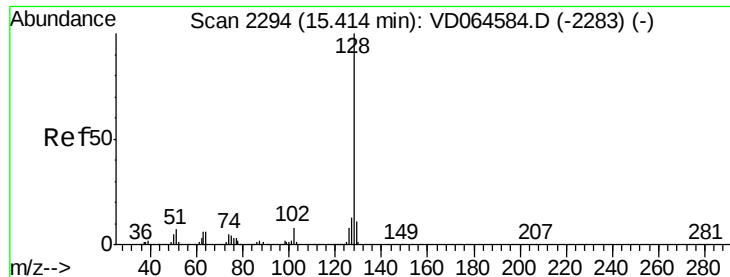
apatel
 1/6/2020 10:50:01 AM



#94
 Hexachlorobutadiene
 Concen: 49.736 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064749.D
 Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160254		
223	62.1	31.1	93.2	
227	63.8	30.9	92.7	





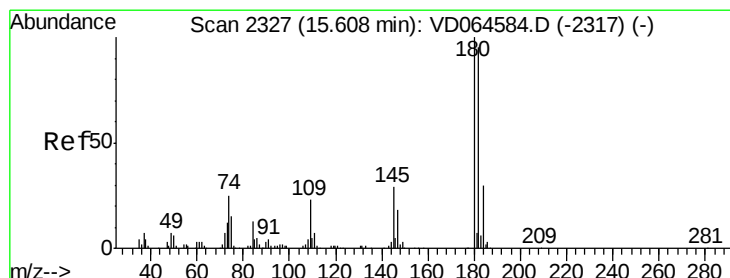
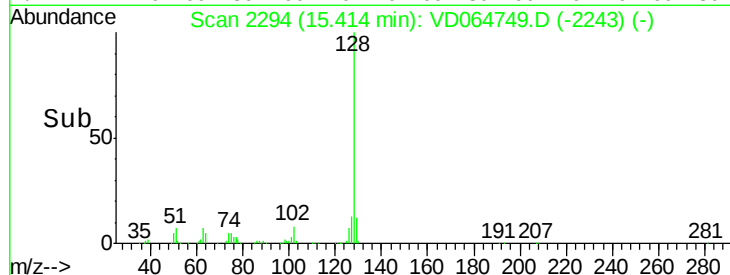
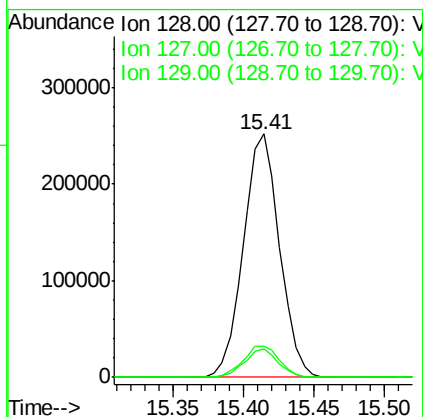
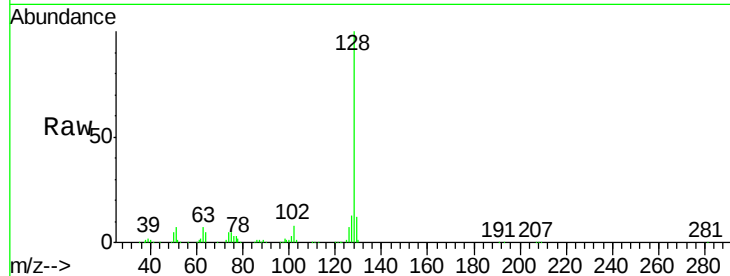
#95
Naphthalene
Concen: 55.922 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	452990		
127	13.1	10.3	15.5	
129	10.8	8.5	12.7	

Manual Integrations
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apatel
1/6/2020 10:50:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.396 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064749.D
Acq: 03 Jan 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	233406		
182	94.8	47.9	143.7	
145	30.3	14.9	44.7	

