

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064579.D
 Acq On : 23 Dec 2019 20:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:18 AM

Quant Time: Dec 24 06:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	389378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	589288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	522089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196688	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
35) Dibromofluoromethane	7.92	113	195540	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.34	98	745493	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.64	95	235821	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	149693	42.428	ug/l	100
3) Chloromethane	2.21	50	217352	48.844	ug/l	99
4) Vinyl Chloride	2.35	62	254884	49.608	ug/l	99
5) Bromomethane	2.77	94	188948	49.729	ug/l	99
6) Chloroethane	2.93	64	179375	52.232	ug/l	96
7) Trichlorofluoromethane	3.27	101	430120	50.357	ug/l	98
8) Diethyl Ether	3.71	74	92984	52.388	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	176918	48.308	ug/l	97
10) Methyl Iodide	4.30	142	212803	55.023	ug/l	99
11) Tert butyl alcohol	5.24	59	52695	234.880	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	172488	49.147	ug/l	98
13) Acrolein	3.93	56	71655	234.161	ug/l	100
14) Allyl chloride	4.71	41	280844	51.274	ug/l	99
15) Acrylonitrile	5.43	53	196217	252.807	ug/l	96
16) Acetone	4.17	43	149378	209.736	ug/l	100
17) Carbon Disulfide	4.40	76	565879	50.908	ug/l	99
18) Methyl Acetate	4.73	43	98173	47.256	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	414130	51.441	ug/l	99
20) Methylene Chloride	4.96	84	201824	56.334	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	202864	51.100	ug/l	97
22) Diisopropyl ether	6.37	45	577978	53.453	ug/l	97
23) Vinyl Acetate	6.31	43	1675871	262.901	ug/l	98
24) 1,1-Dichloroethane	6.27	63	346564	53.296	ug/l	98
25) 2-Butanone	7.22	43	236568	234.871	ug/l	99
26) 2,2-Dichloropropane	7.21	77	285704	50.522	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	225584	52.120	ug/l	99
28) Bromochloromethane	7.55	49	135899	61.153	ug/l	99
29) Tetrahydrofuran	7.57	42	155482	242.630	ug/l	98
30) Chloroform	7.71	83	368021	54.647	ug/l	99
31) Cyclohexane	7.98	56	300219	53.172	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	323047	51.740	ug/l	99
36) 1,1-Dichloropropene	8.11	75	273603	49.087	ug/l	99
37) Ethyl Acetate	7.30	43	118908	50.276	ug/l	98
38) Carbon Tetrachloride	8.10	117	297632	50.594	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	325534	47.083	ug/l	98
40) Benzene	8.36	78	790976	51.094	ug/l	100
41) Methacrylonitrile	7.53	41	64201	47.334	ug/l	91
42) 1,2-Dichloroethane	8.43	62	228622	50.640	ug/l	99
43) Isopropyl Acetate	8.46	43	226769	48.765	ug/l	99
44) Trichloroethene	9.11	130	224846	48.216	ug/l	100
45) 1,2-Dichloropropane	9.39	63	191475	51.717	ug/l	99
46) Dibromomethane	9.47	93	107697	51.539	ug/l	97
47) Bromodichloromethane	9.66	83	282172	52.554	ug/l	97
48) Methyl methacrylate	9.46	41	103641	48.705	ug/l	95
49) 1,4-Dioxane	9.47	88	24133	935.251	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	555279	241.332	ug/l	99
52) Toluene	10.40	92	514704	51.016	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	263293	51.454	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	314121	51.674	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	140668	49.162	ug/l	96
56) Ethyl methacrylate	10.66	69	182990	50.142	ug/l	98
57) 1,3-Dichloropropane	10.95	76	246289	50.566	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	296441	203.769	ug/l	100
59) 2-Hexanone	10.98	43	371712	232.819	ug/l	98
60) Dibromochloromethane	11.14	129	193665	49.920	ug/l	97
61) 1,2-Dibromoethane	11.25	107	138727	48.559	ug/l	99
64) Tetrachloroethene	10.88	164	191183	48.020	ug/l	96
65) Chlorobenzene	11.67	112	555670	51.030	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209216	51.902	ug/l	99
67) Ethyl Benzene	11.74	91	991608	51.182	ug/l	96
68) m/p-Xylenes	11.86	106	763270	103.324	ug/l	99
69) o-Xylene	12.18	106	352867	51.721	ug/l	100
70) Styrene	12.20	104	624556	52.679	ug/l	99
71) Bromoform	12.36	173	119860	49.700	ug/l #	98
73) Isopropylbenzene	12.48	105	929545	48.545	ug/l	100
74) N-amyl acetate	12.29	43	208492	47.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	149804	47.309	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90254m	41.222	ug/l	
77) Bromobenzene	12.77	156	231761	49.013	ug/l	99
78) n-propylbenzene	12.83	91	1084724	49.097	ug/l	99
79) 2-Chlorotoluene	12.91	91	597002	49.109	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	777036	49.658	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	49106	48.905	ug/l	97
82) 4-Chlorotoluene	13.01	91	639021	49.647	ug/l	100
83) tert-Butylbenzene	13.23	119	669188	49.191	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	775614	49.294	ug/l	98
85) sec-Butylbenzene	13.41	105	900097	48.208	ug/l	100
86) p-Isopropyltoluene	13.53	119	875020	49.641	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	447261	49.835	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	438835	49.526	ug/l	100
89) n-Butylbenzene	13.85	91	771500	48.196	ug/l	99
90) Hexachloroethane	14.12	117	160598	48.711	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	378182	49.307	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23774	50.271	ug/l	95

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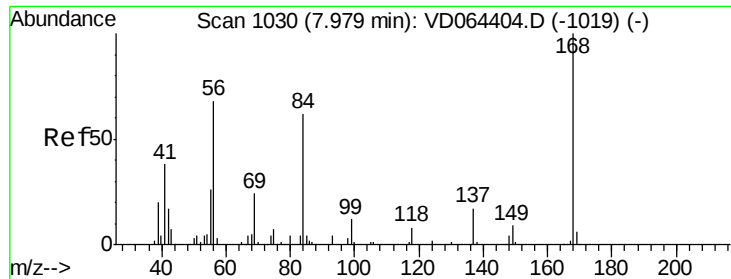
Manual Integrations
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QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278451	47.404	ug/l	99
94) Hexachlorobutadiene	15.28	225	164472	45.356	ug/l	99
95) Naphthalene	15.41	128	442484	45.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	235679	47.003	ug/l	99

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



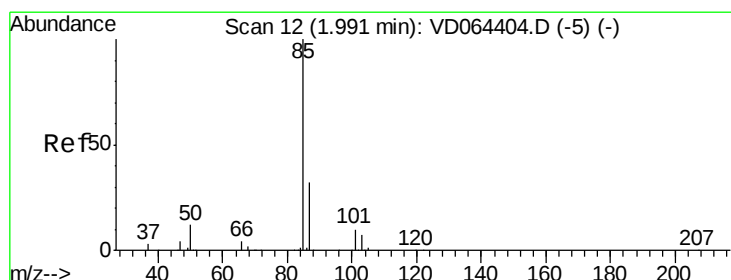
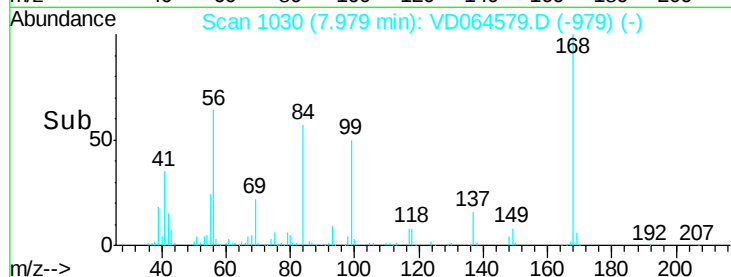
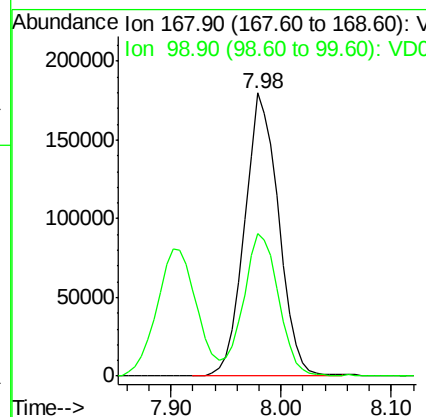
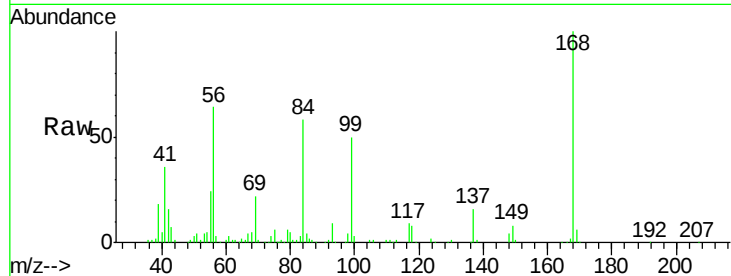
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.1	40.7	61.1

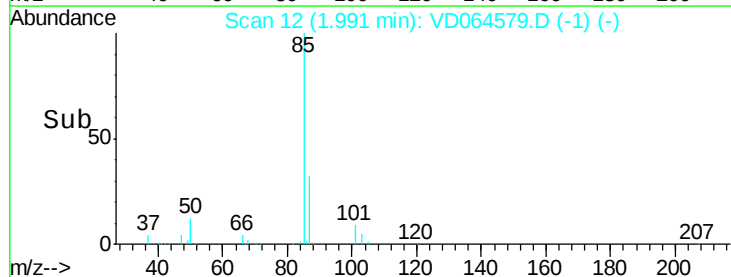
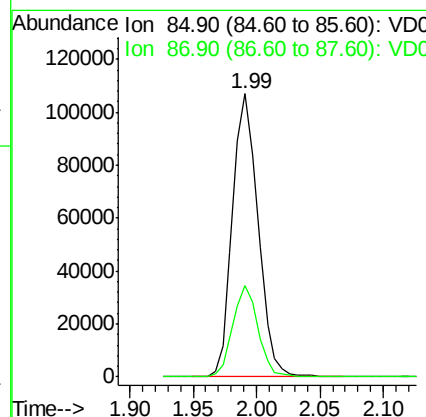
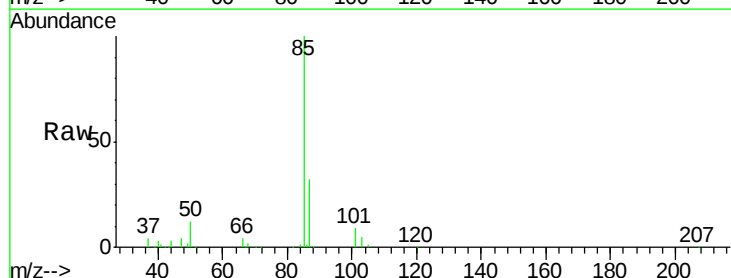
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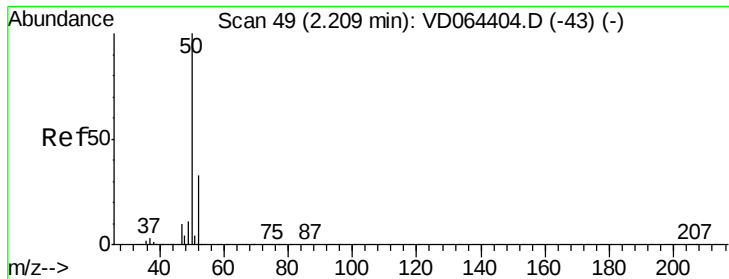
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#2
Dichlorodifluoromethane
Concen: 42.428 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.2





#3

Chloromethane

Concen: 48.844 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 217352

Ion Ratio Lower Upper

50 100

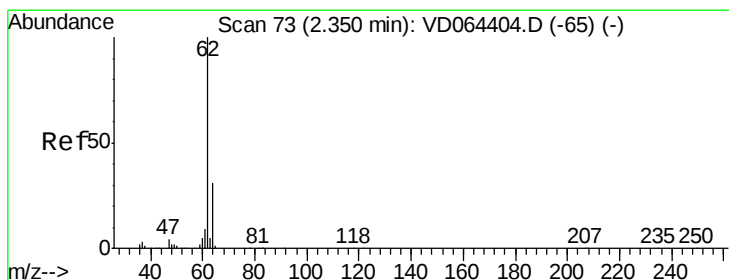
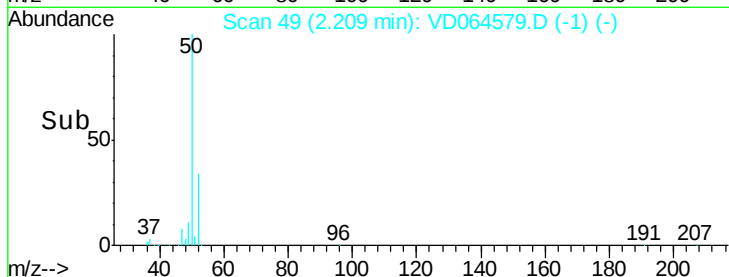
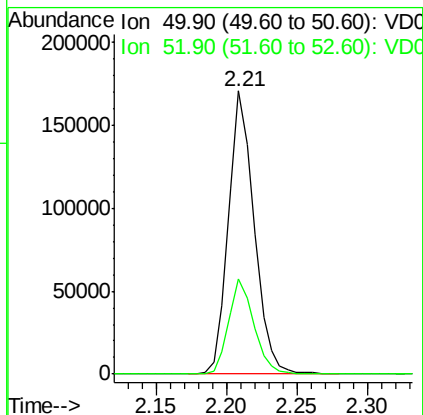
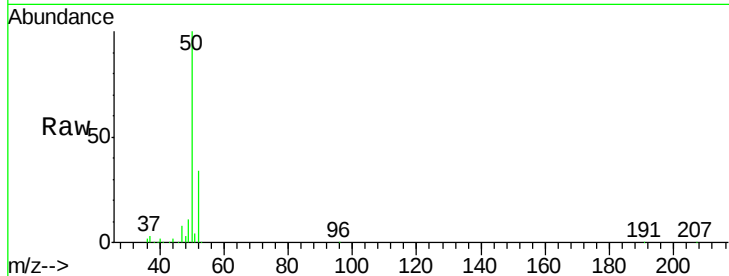
52 33.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.608 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064579.D

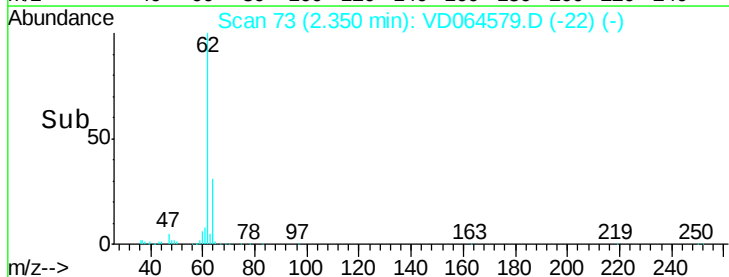
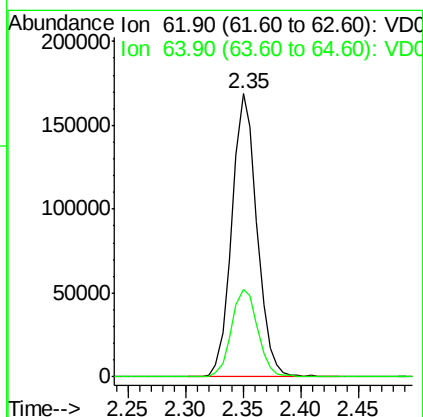
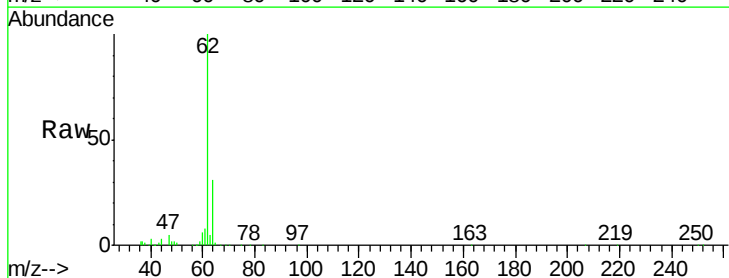
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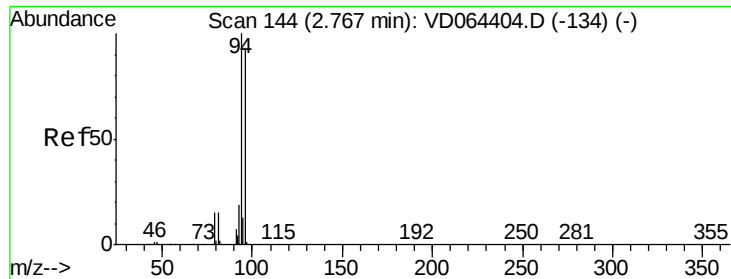
Tgt Ion: 62 Resp: 254884

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 49.729 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 188948

Ion Ratio Lower Upper

94 100

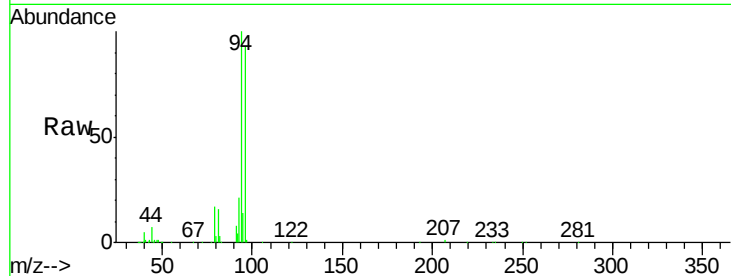
96 93.1 73.6 110.4

Manual Integrations

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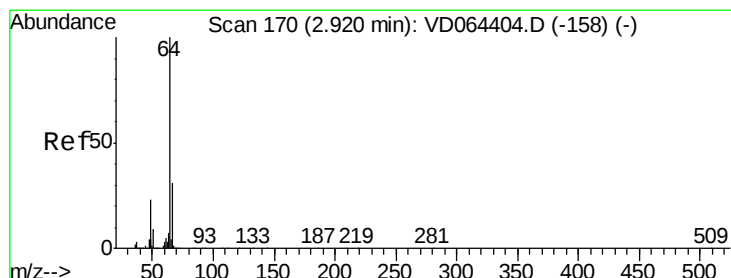
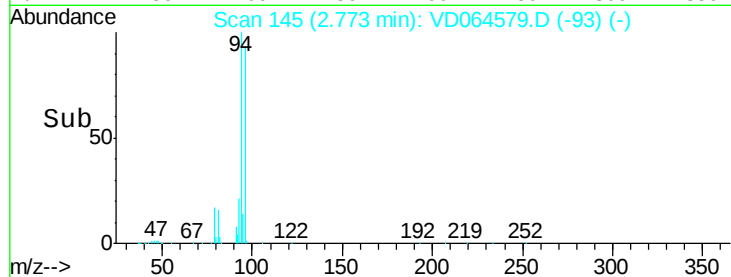
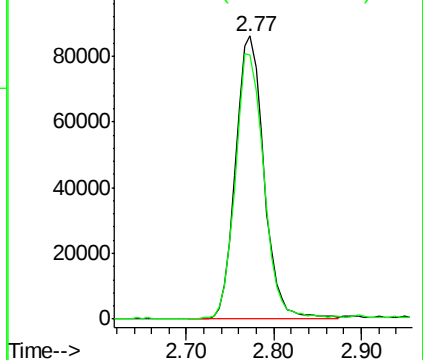
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.232 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064579.D

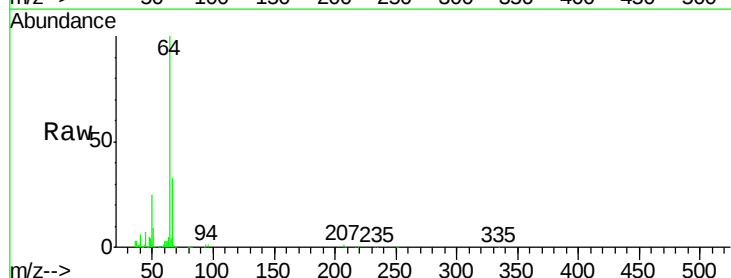
Acq: 23 Dec 2019 20:21

Tgt Ion: 64 Resp: 179375

Ion Ratio Lower Upper

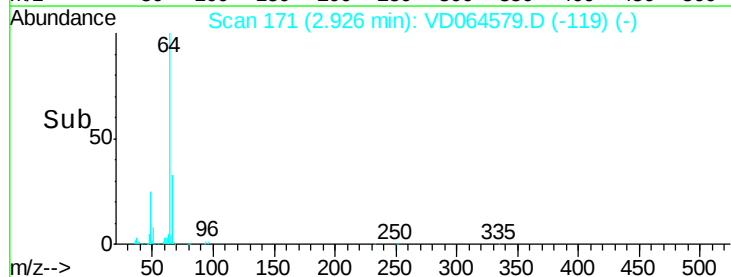
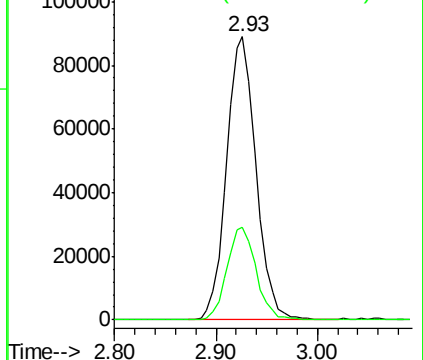
64 100

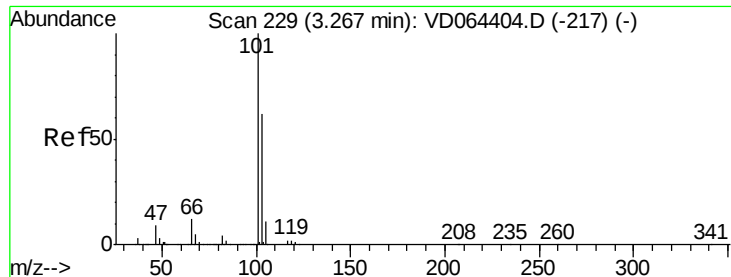
66 32.8 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

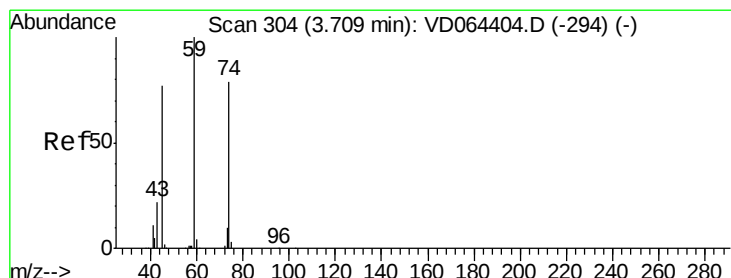
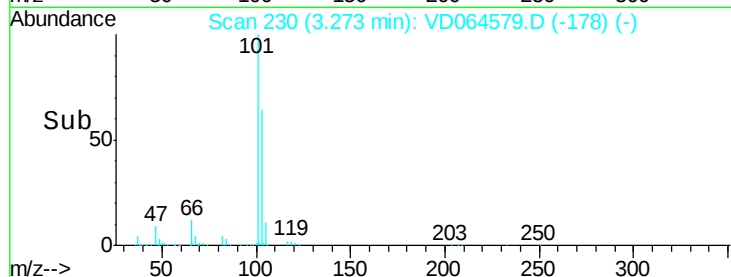
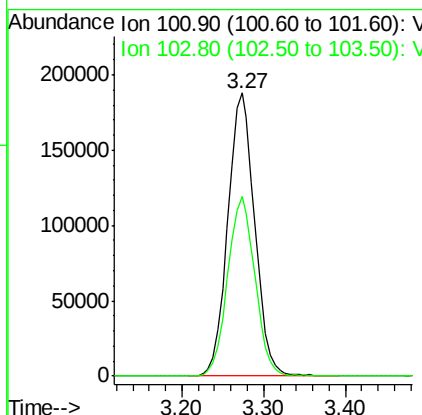
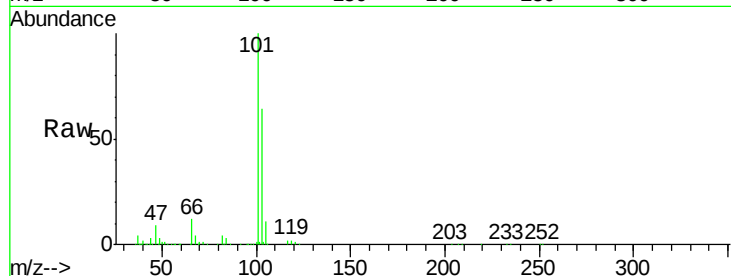
Trichlorofluoromethane
Concen: 50.357 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	49.8	74.6

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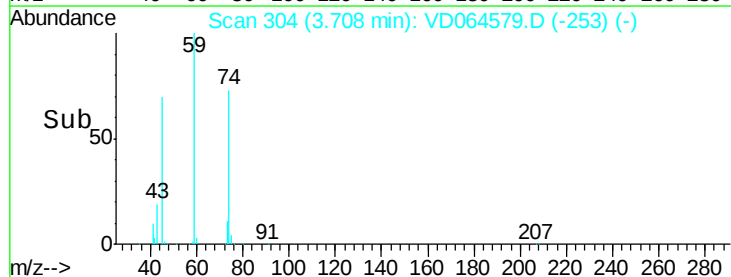
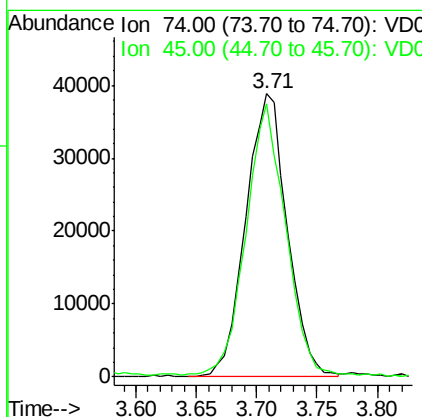
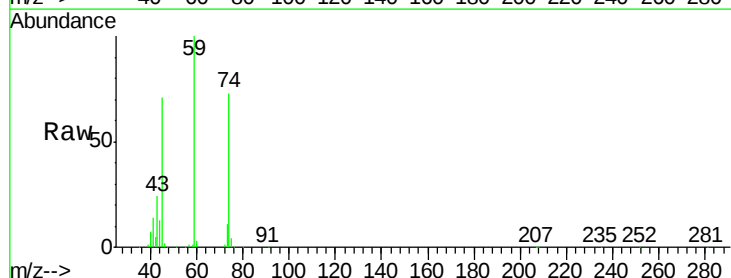
apatel
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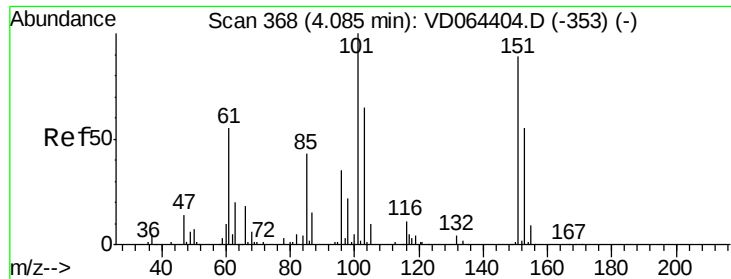


#8

Diethyl Ether
Concen: 52.388 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.308 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

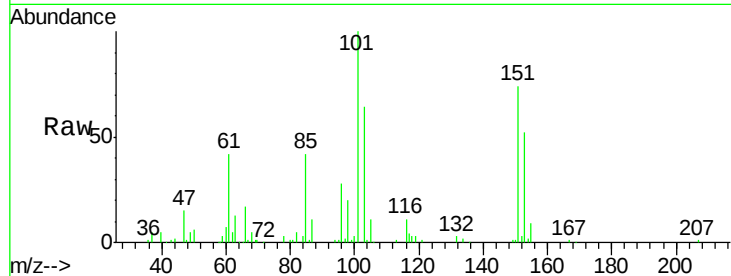
ClientSampleId :

VSTDCCC050EC

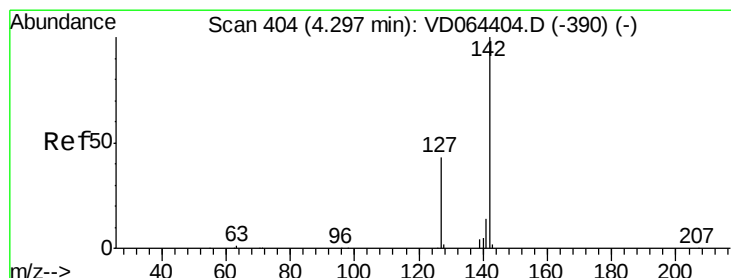
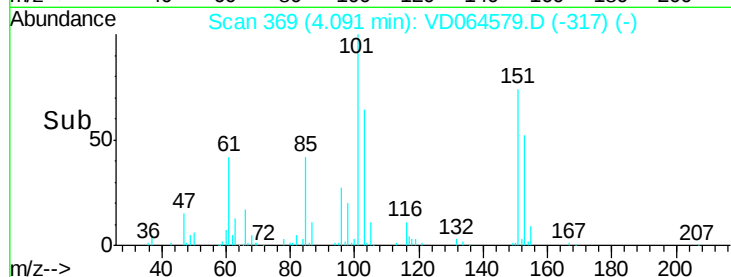
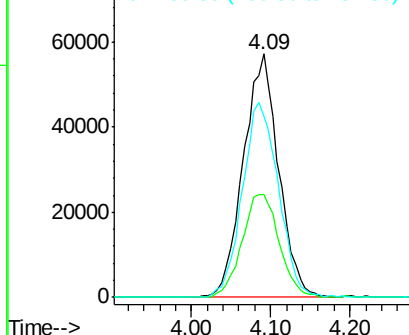
Tot Ion:	101	Resp:	176918
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.8	52.2
151	82.0	68.8	103.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.023 ug/l

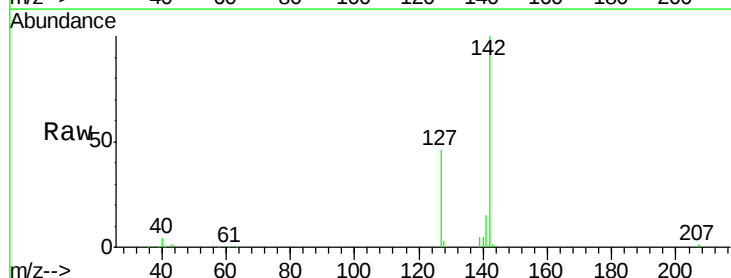
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

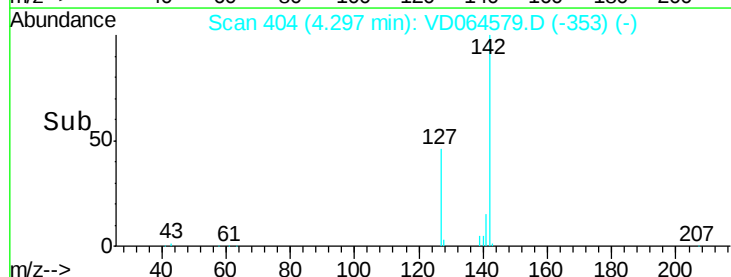
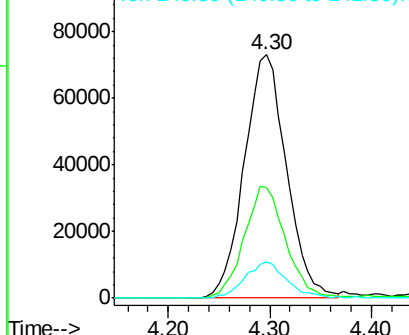
Lab File: VD064579.D

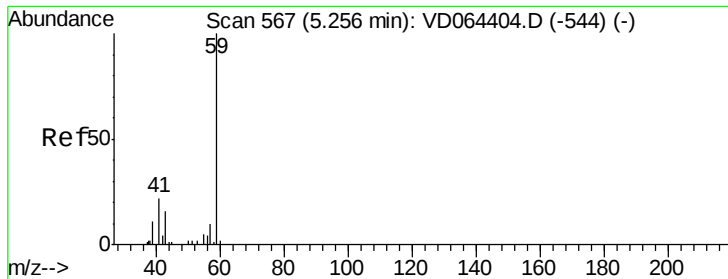
Acq: 23 Dec 2019 20:21

Tgt Ion:	142	Resp:	212803
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.3	52.9
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





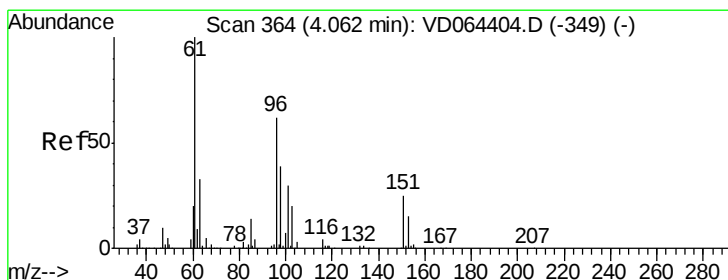
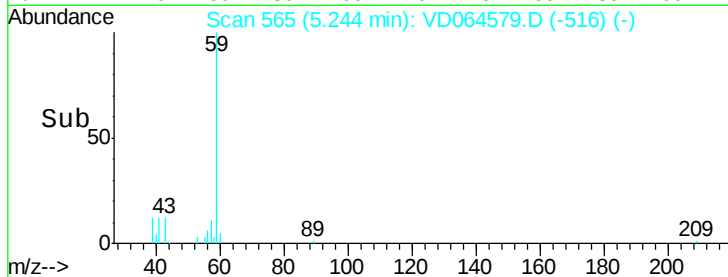
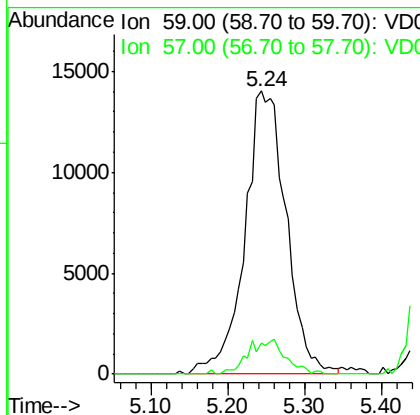
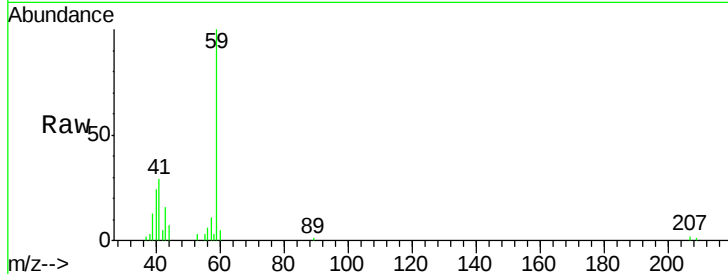
#11
Tert butyl alcohol
Concen: 234.880 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 52695
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

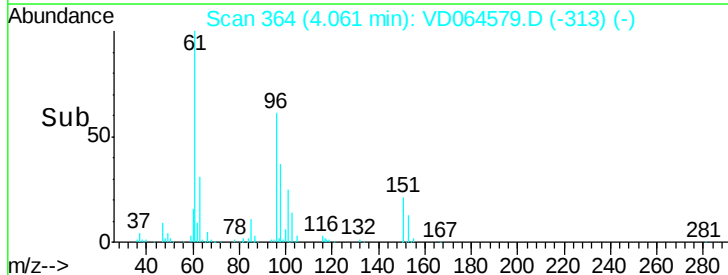
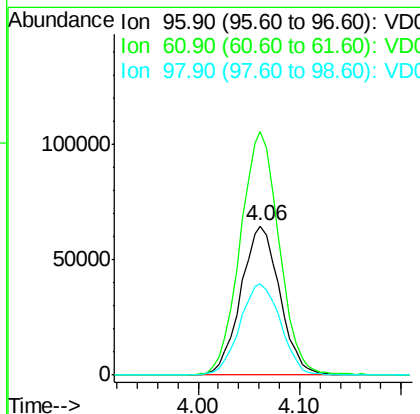
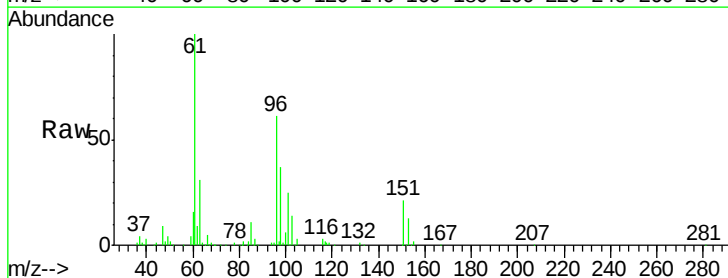
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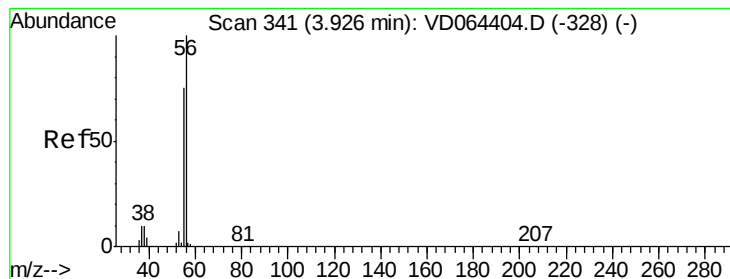
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#12
1,1-Dichloroethene
Concen: 49.147 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion: 96 Resp: 172488
Ion Ratio Lower Upper
96 100
61 163.4 128.2 192.4
98 61.1 50.4 75.6





#13

Acrolein

Concen: 234.161 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71655

Ion Ratio Lower Upper

56 100

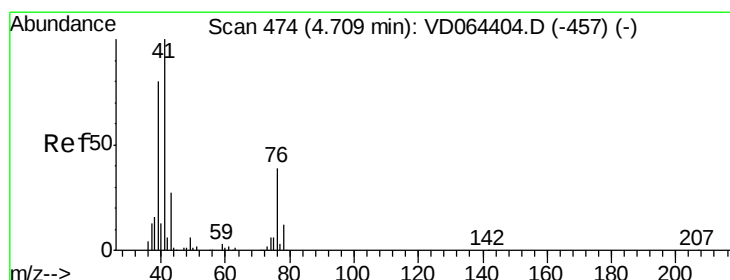
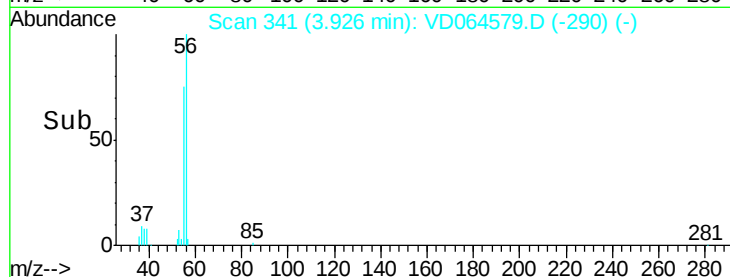
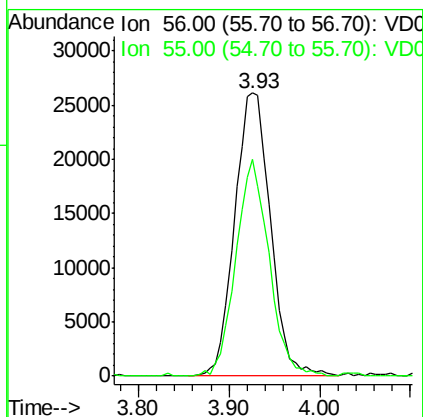
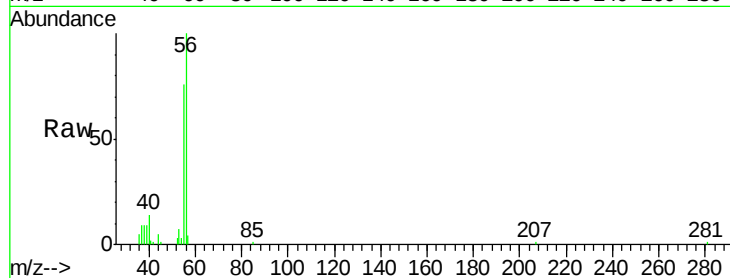
55 71.2 56.9 85.3

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#14

Allyl chloride

Concen: 51.274 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

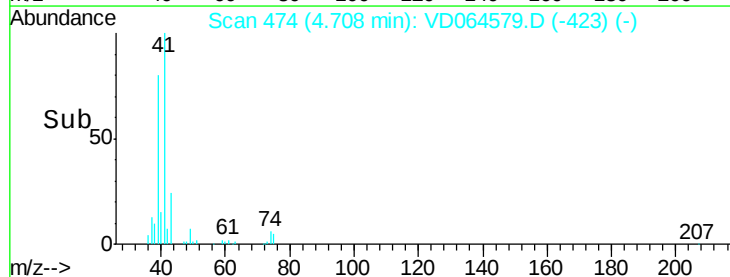
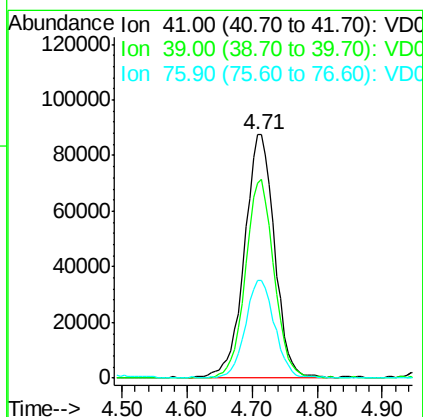
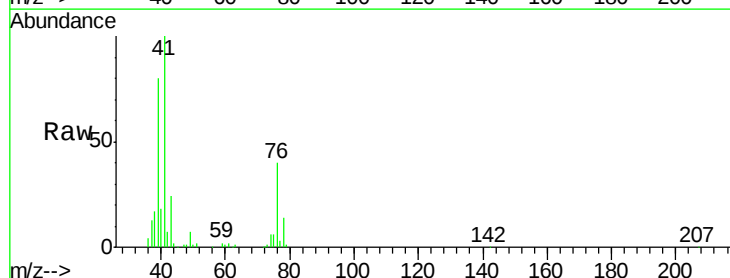
Tgt Ion: 41 Resp: 280844

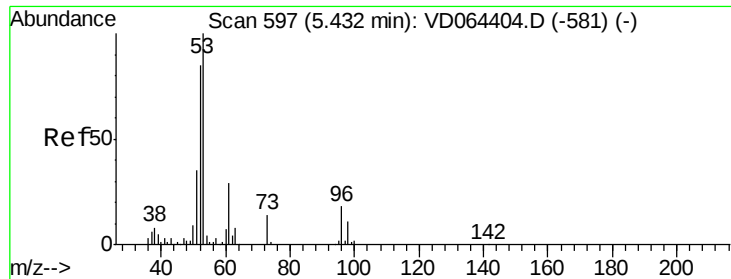
Ion Ratio Lower Upper

41 100

39 77.6 62.1 93.1

76 38.5 29.8 44.8





#15

Acrylonitrile

Concen: 252.807 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

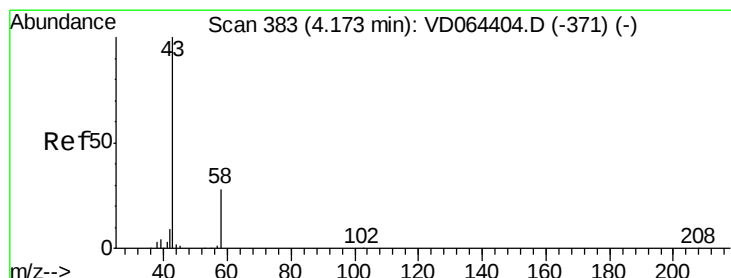
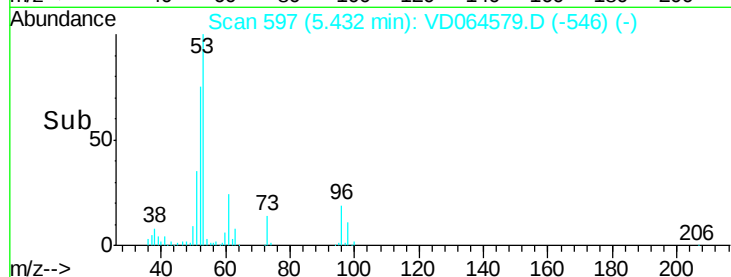
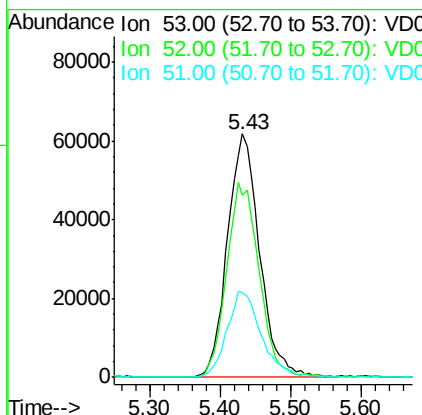
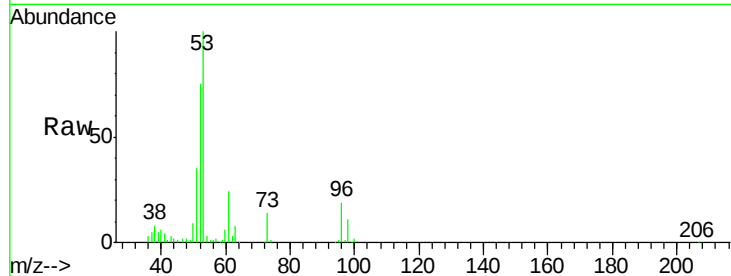
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	196217
Ion Ratio	Lower	Upper	
53	100		
52	80.2	67.9	101.9
51	37.2	30.6	45.8

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#16

Acetone

Concen: 209.736 ug/l

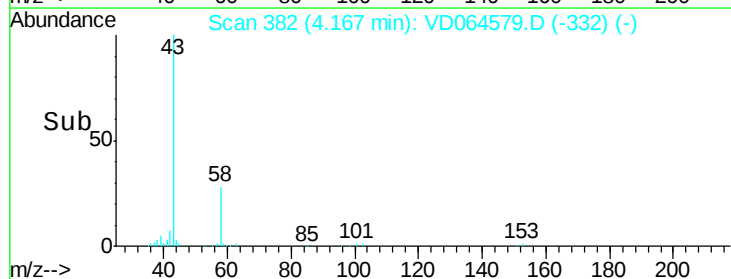
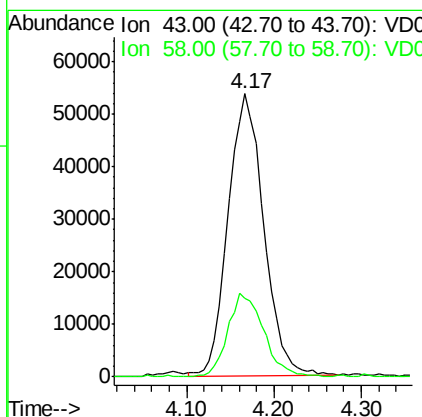
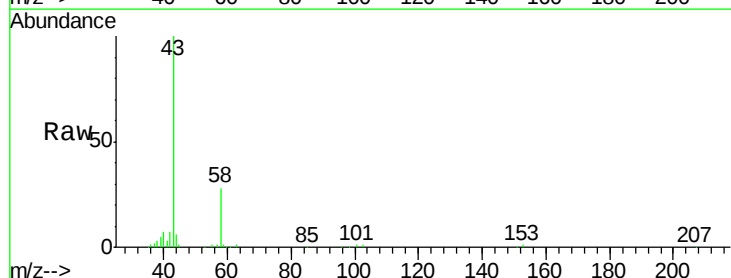
RT: 4.17 min Scan# 382

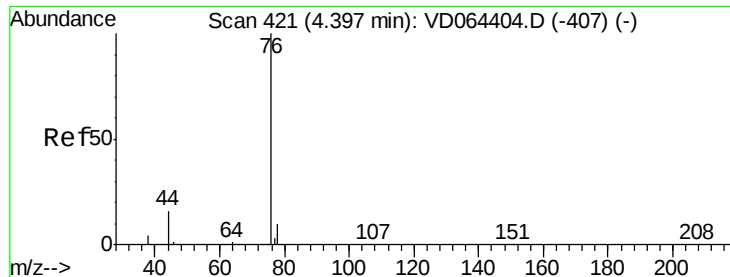
Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	43	Resp:	149378
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.6	33.8





#17

Carbon Disulfide

Concen: 50.908 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 565879

Ion Ratio Lower Upper

76 100

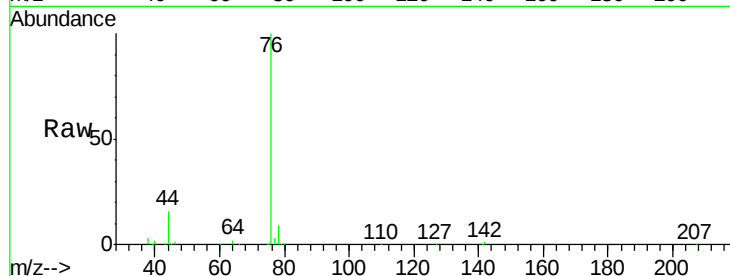
78 9.3 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

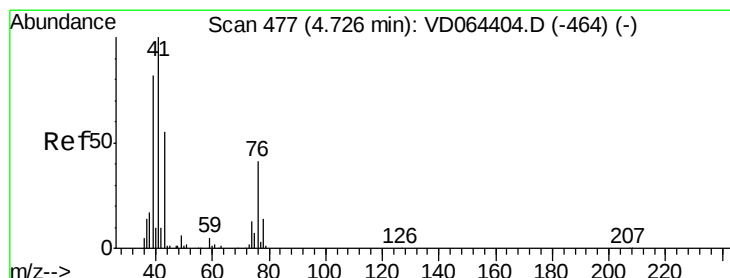
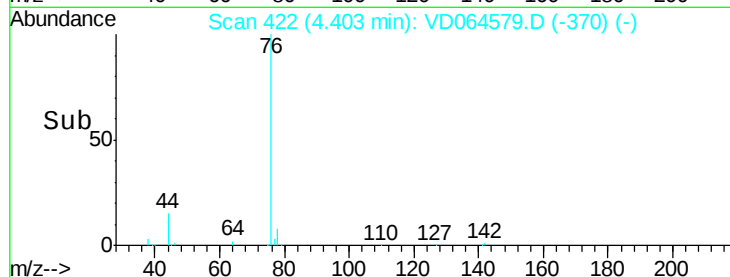
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.256 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064579.D

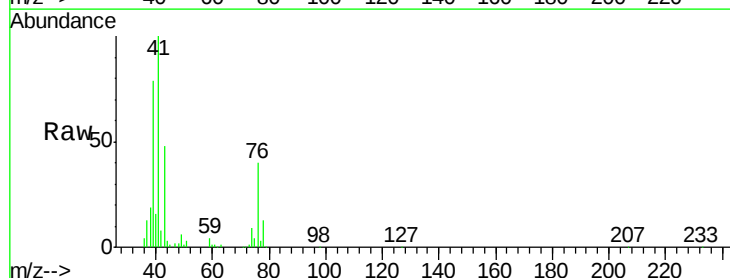
Acq: 23 Dec 2019 20:21

Tgt Ion: 43 Resp: 98173

Ion Ratio Lower Upper

43 100

74 23.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

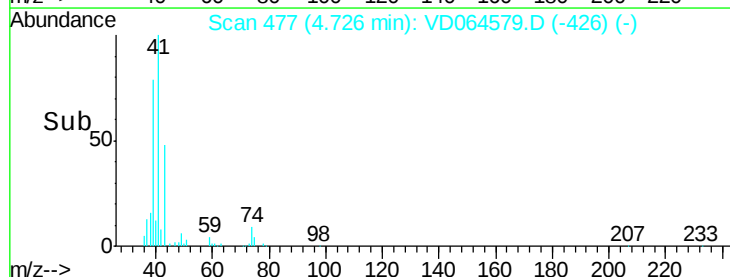
30000

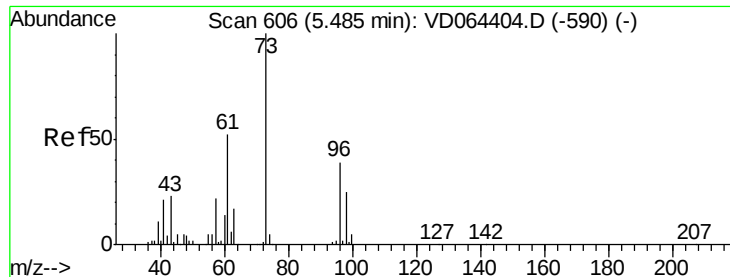
20000

10000

0

Time-->





#19

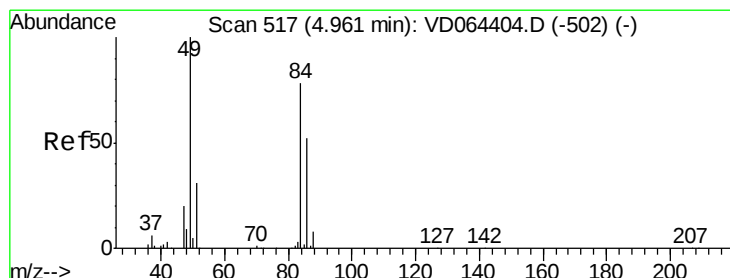
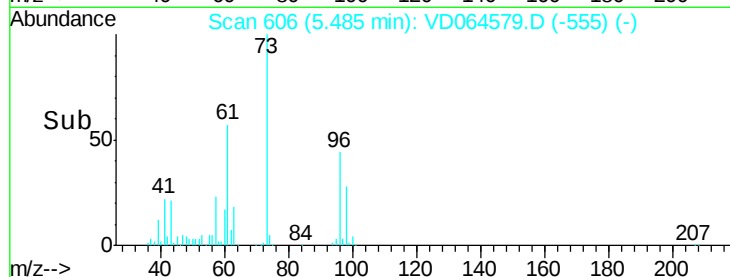
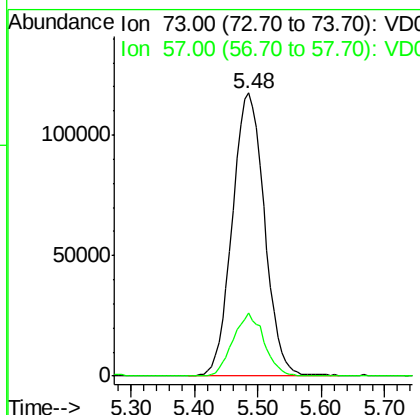
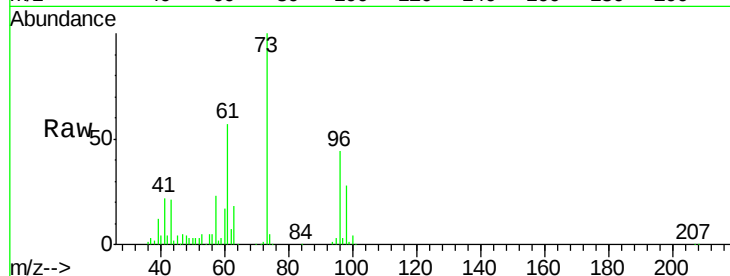
Methyl tert-butyl Ether
 Concen: 51.441 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4

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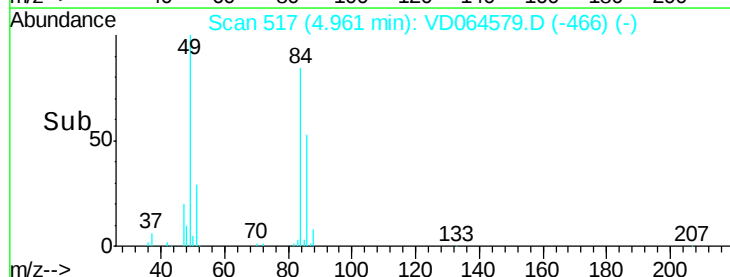
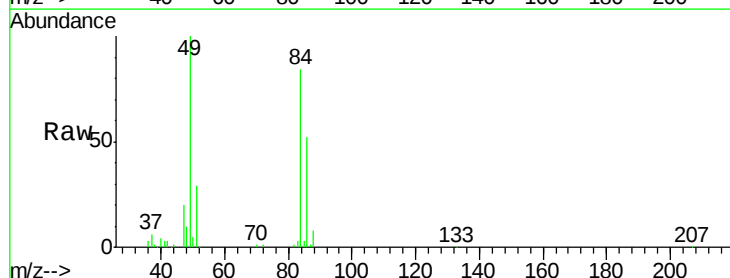
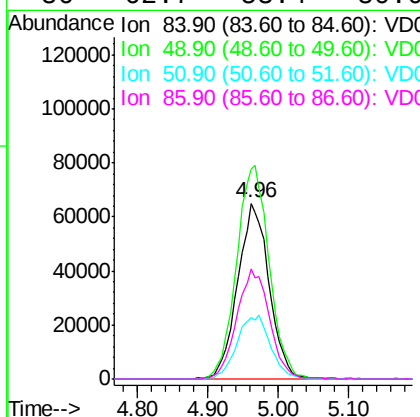
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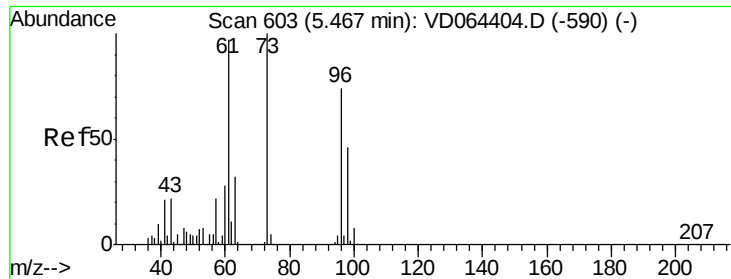


#20

Methylene Chloride
 Concen: 56.334 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	102.6	153.8
51	35.0	32.0	48.0
86	62.7	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 51.100 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

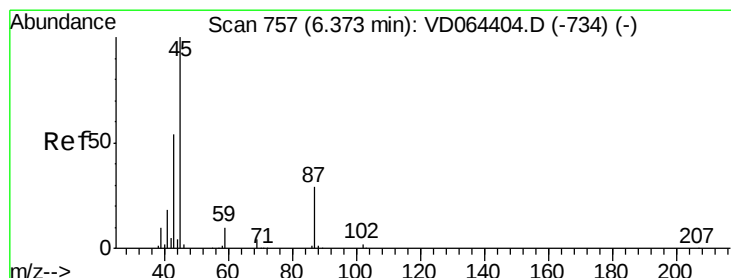
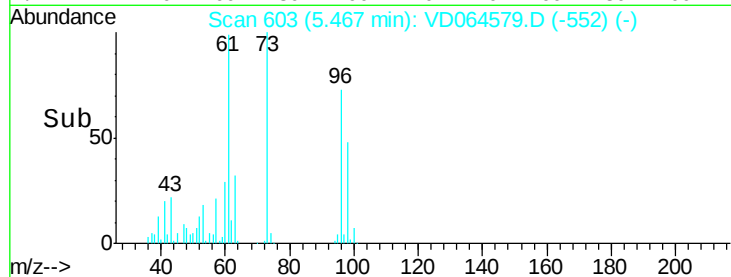
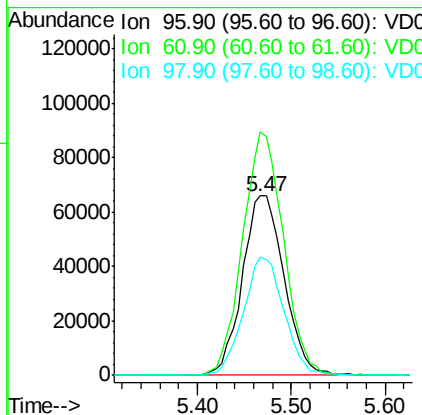
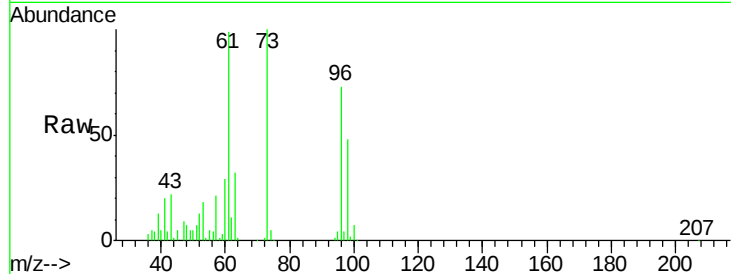
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	202864
Ion Ratio	Lower	Upper	
96	100		
61	135.8	105.8	158.6
98	65.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 53.453 ug/l

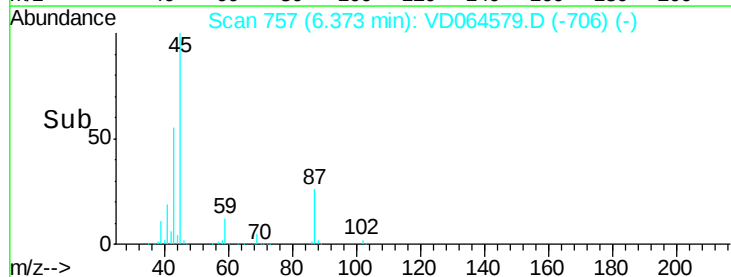
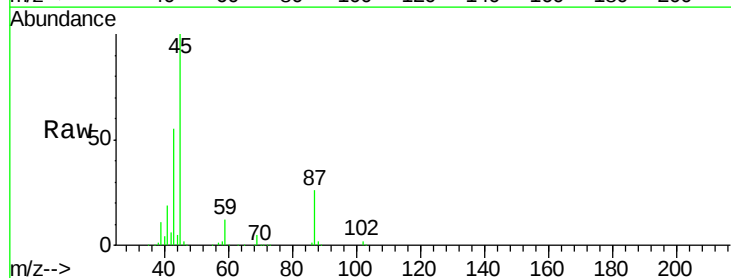
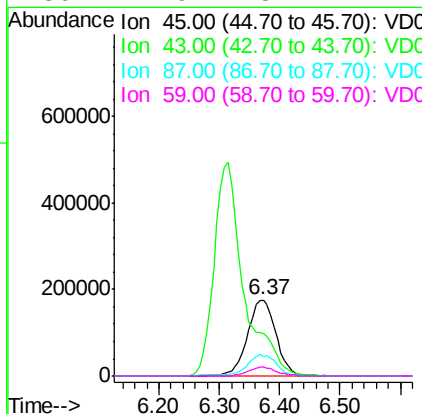
RT: 6.37 min Scan# 757

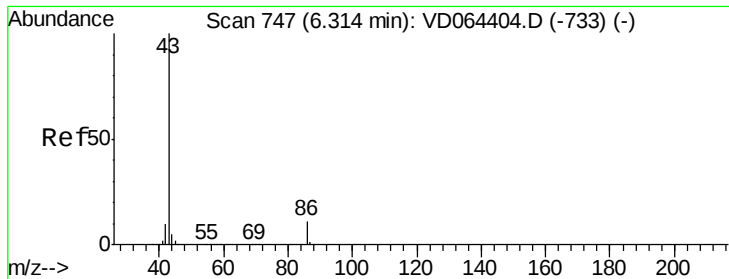
Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	45	Resp:	577978
Ion Ratio	Lower	Upper	
45	100		
43	54.7	43.1	64.7
87	26.0	23.5	35.3
59	11.9	8.2	12.2





#23

Vinyl Acetate

Concen: 262.901 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1675871

Ion Ratio Lower Upper

43 100

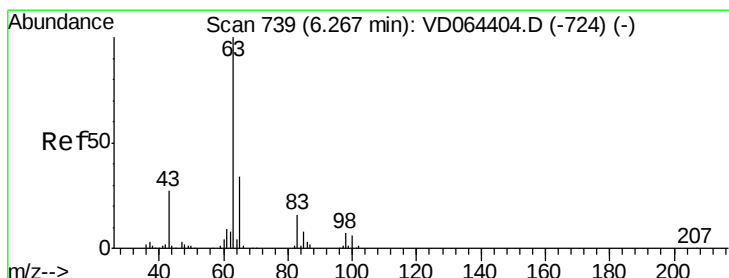
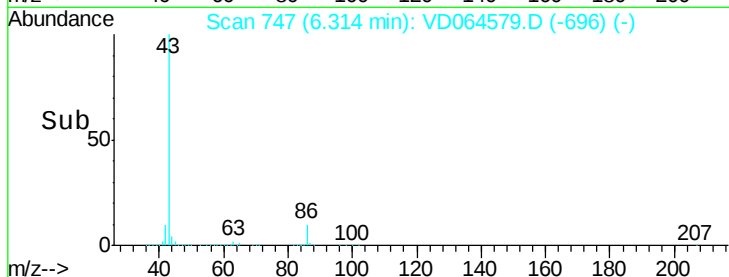
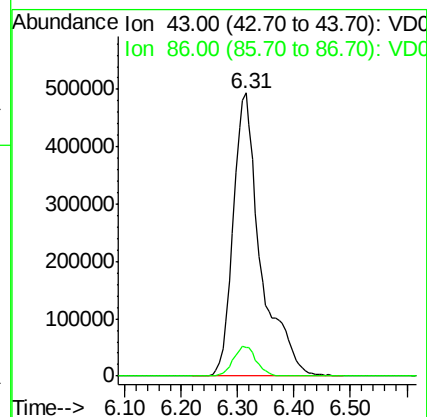
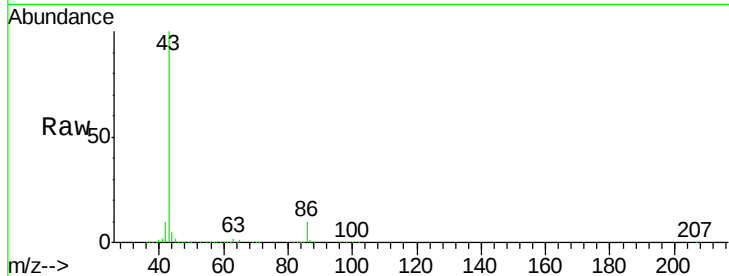
86 10.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 53.296 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

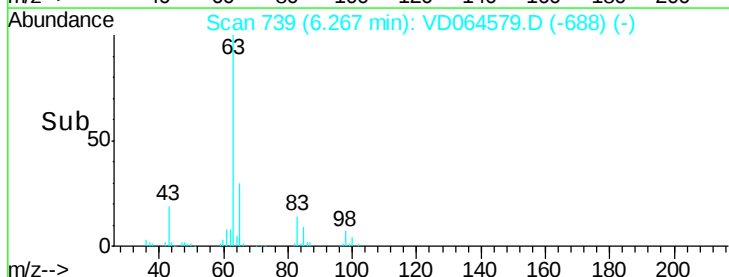
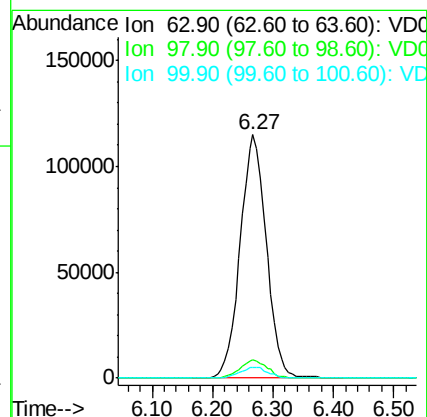
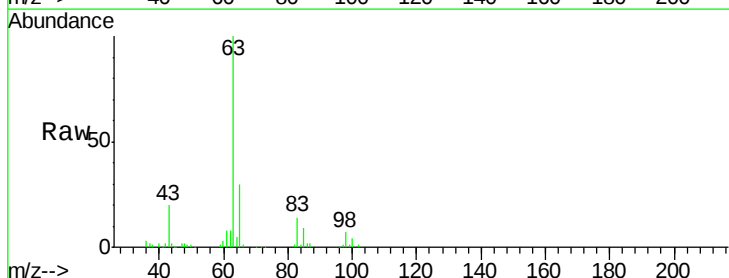
Tgt Ion: 63 Resp: 346564

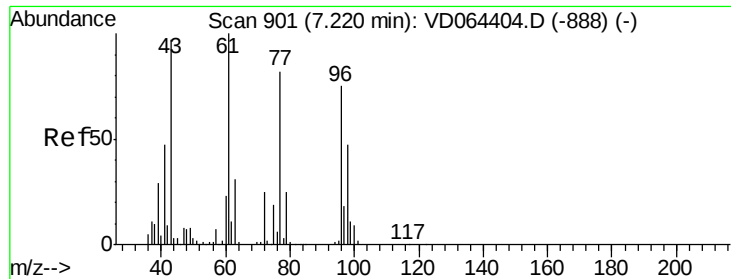
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.3 2.9 8.6





#25

2-Butanone

Concen: 234.871 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 236568

Ion Ratio Lower Upper

43 100

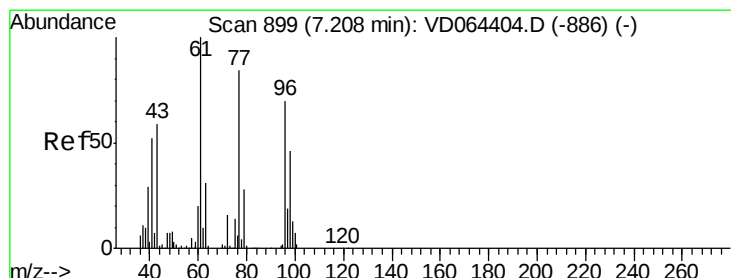
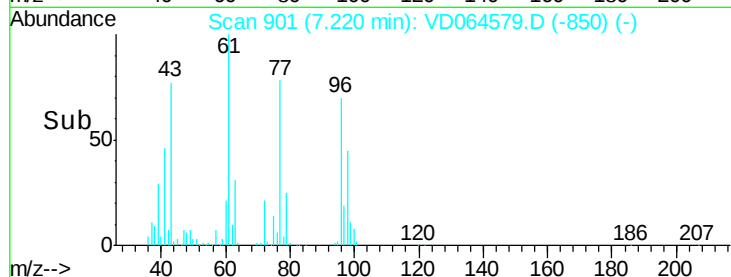
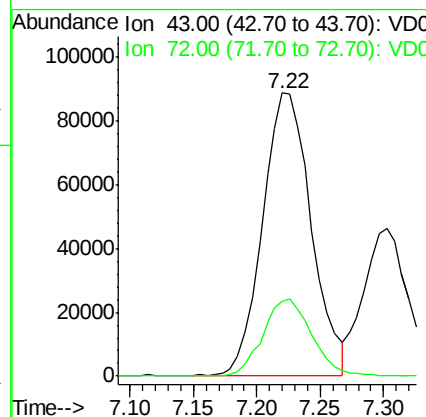
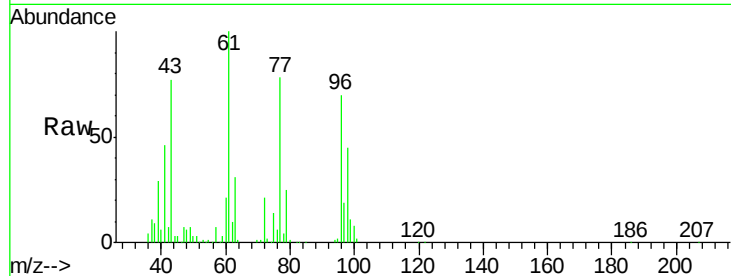
72 26.6 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 50.522 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064579.D

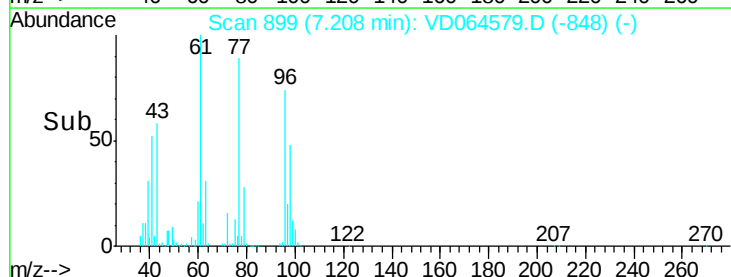
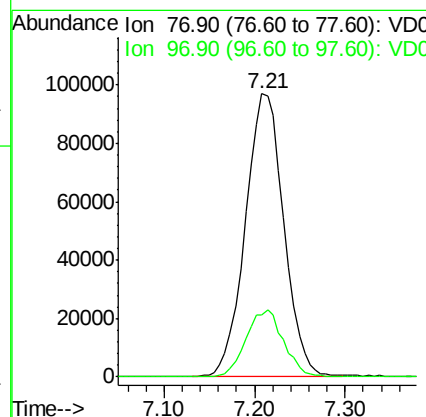
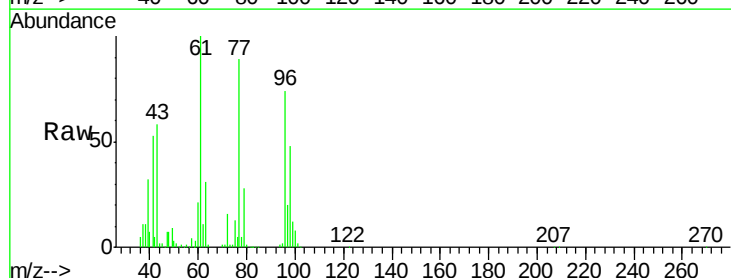
Acq: 23 Dec 2019 20:21

Tgt Ion: 77 Resp: 285704

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

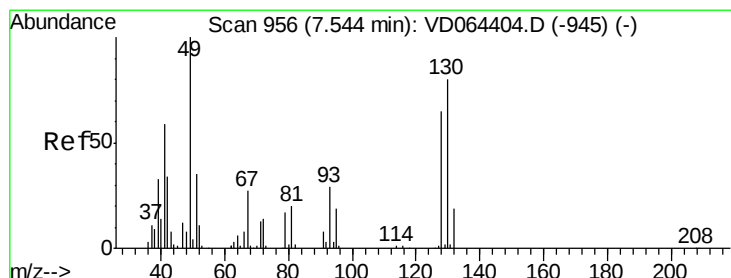
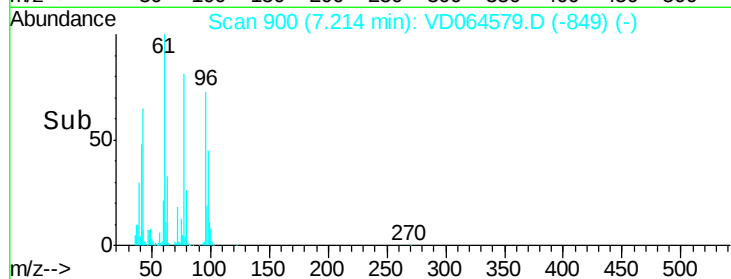
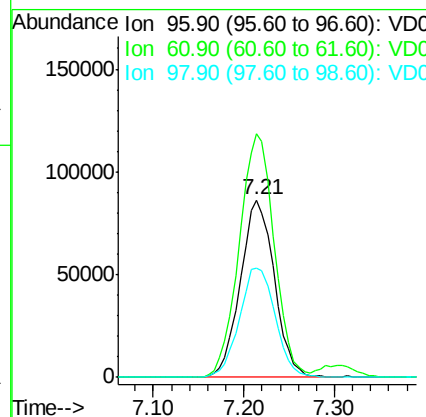
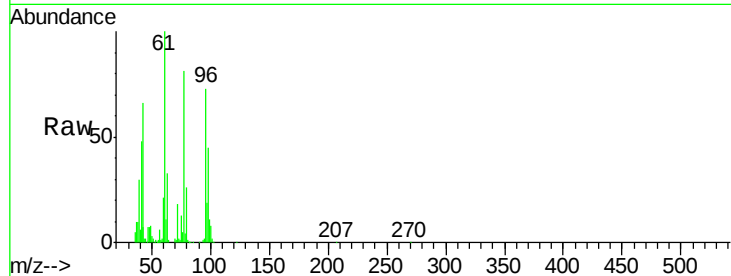
cis-1,2-Dichloroethene
 Concen: 52.120 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	279.6
98	65.1	0.0	129.2

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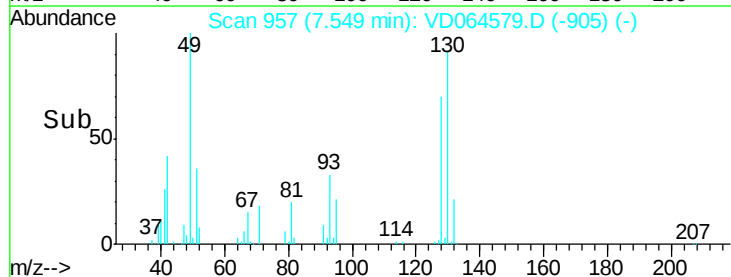
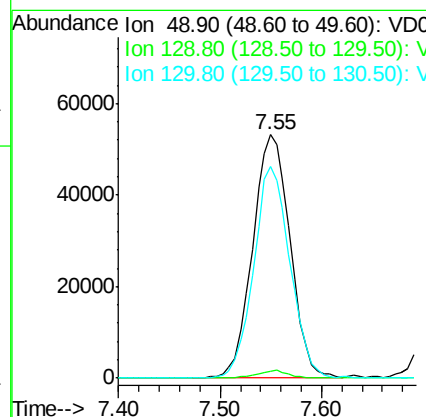
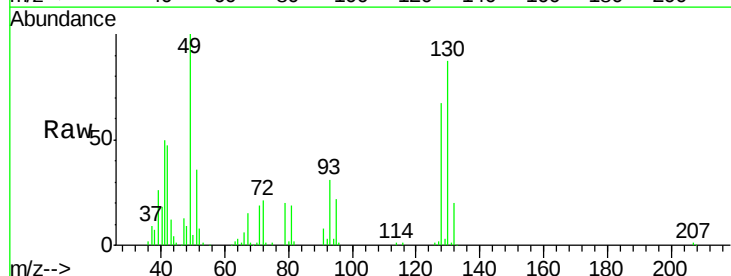
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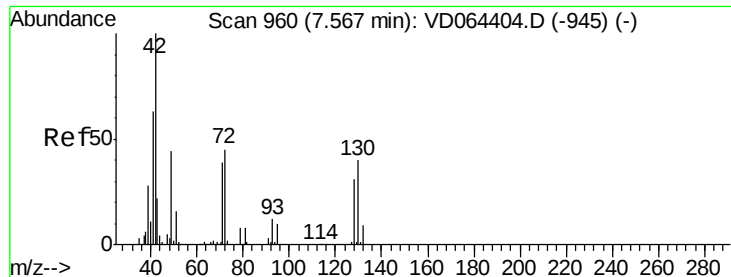


#28

Bromochloromethane
 Concen: 61.153 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	84.7	67.4	101.0





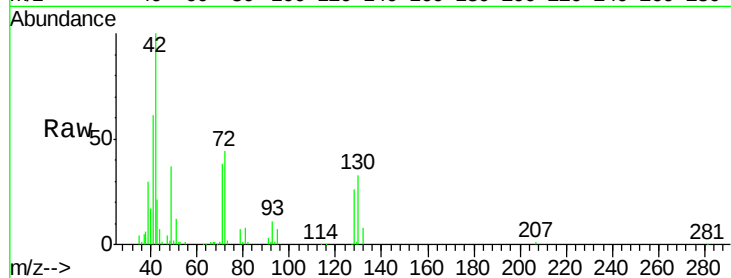
#29
Tetrahydrofuran
Concen: 242.630 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

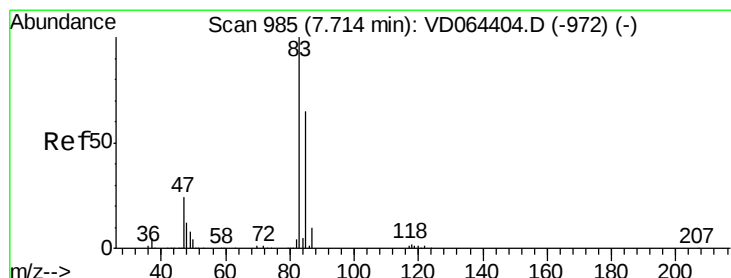
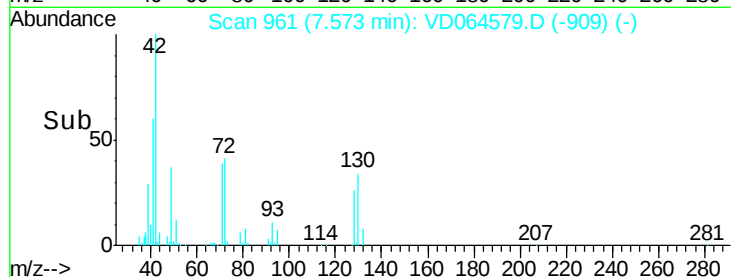
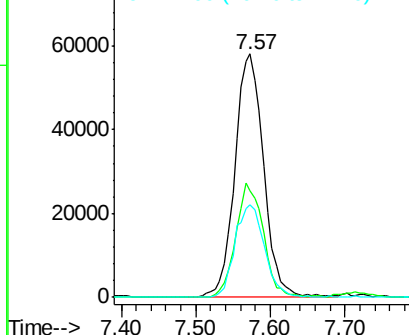
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	39.2	32.7	49.1

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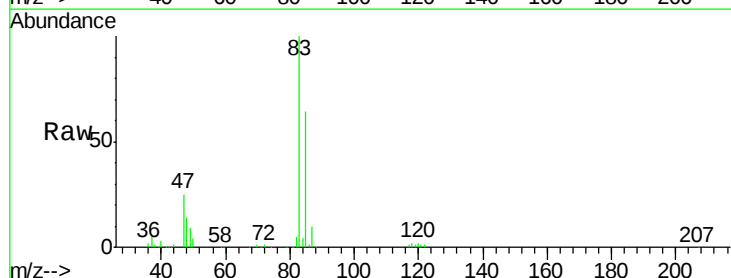


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

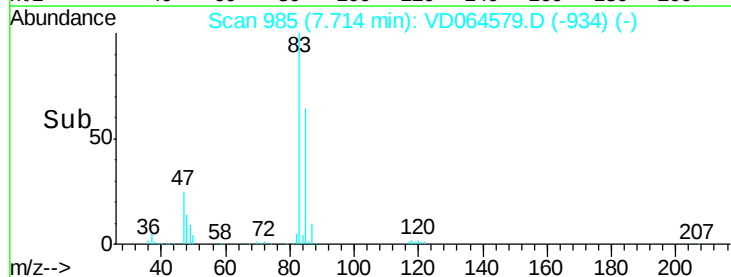
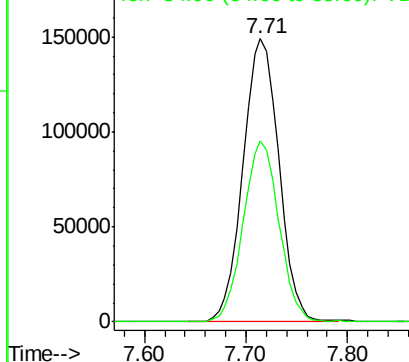


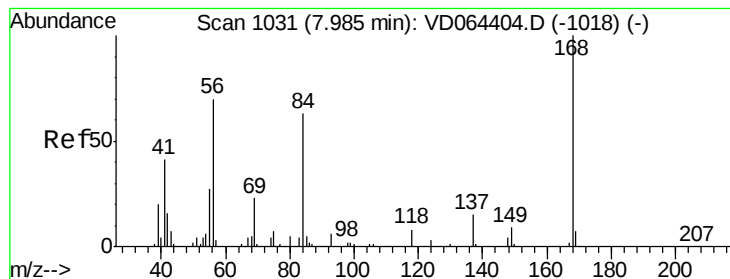
#30
Chloroform
Concen: 54.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 53.172 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

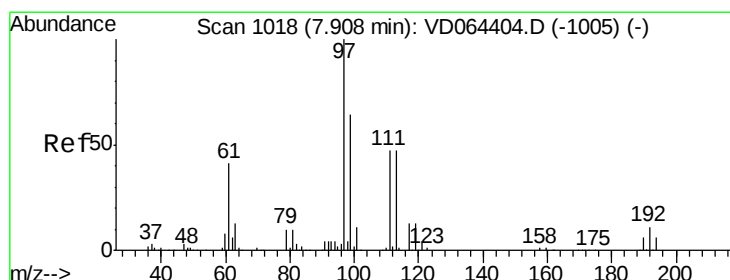
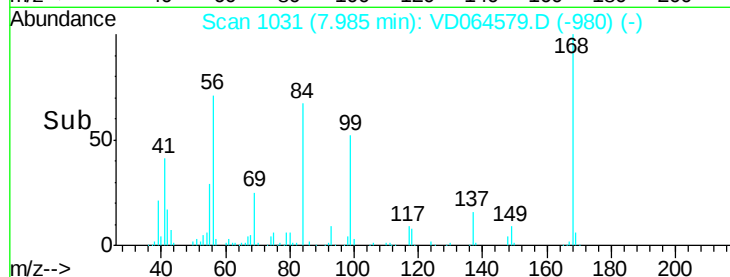
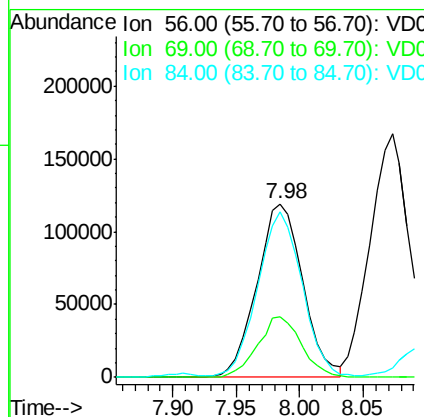
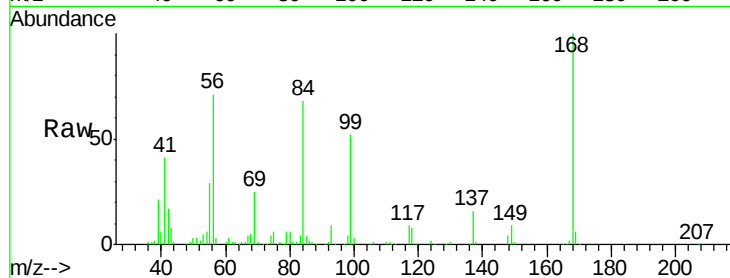
VSTDCCC050EC

Tot Ion: 56 Resp: 300219

Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.2	39.4
84	94.1	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 51.740 ug/l

RT: 7.90 min Scan# 1017

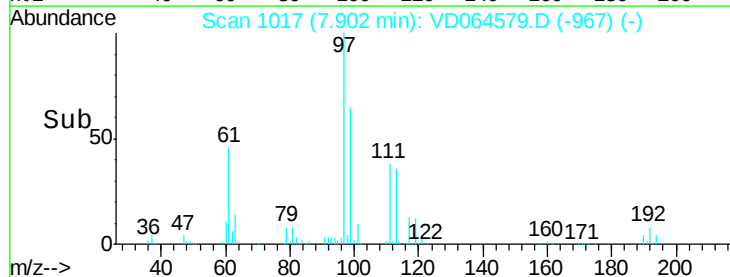
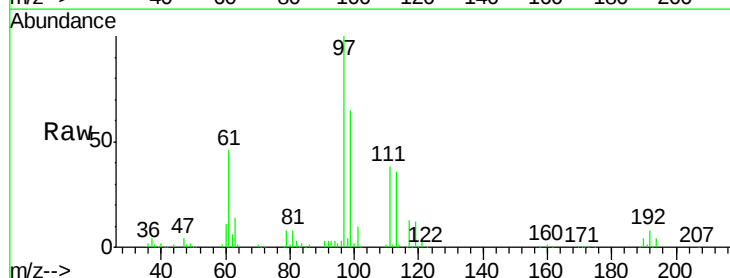
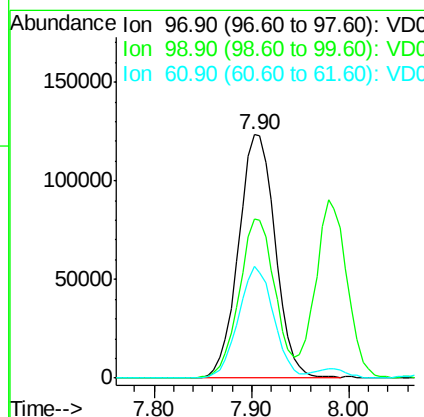
Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion: 97 Resp: 323047

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	44.2	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 55.807 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 196688

Ion Ratio Lower Upper

65 100

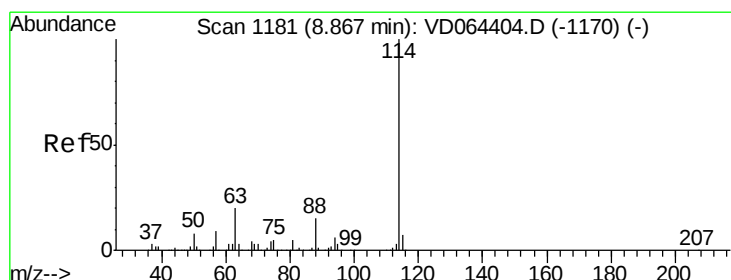
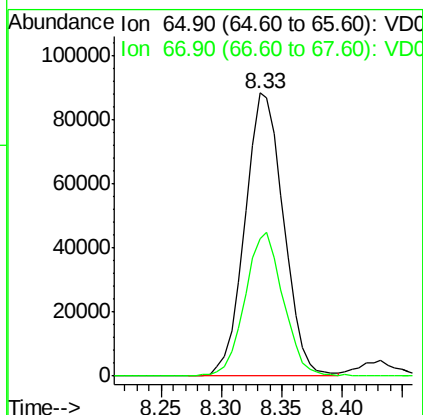
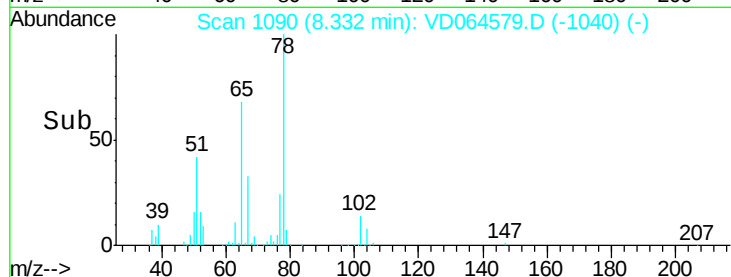
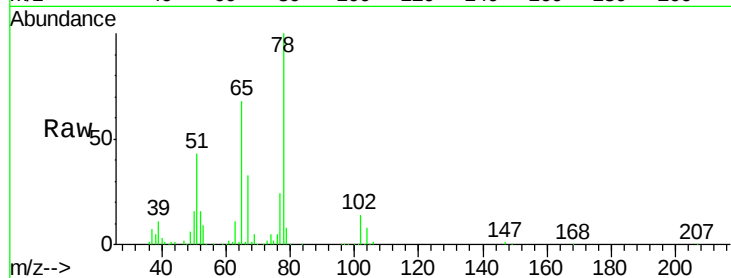
67 49.9 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

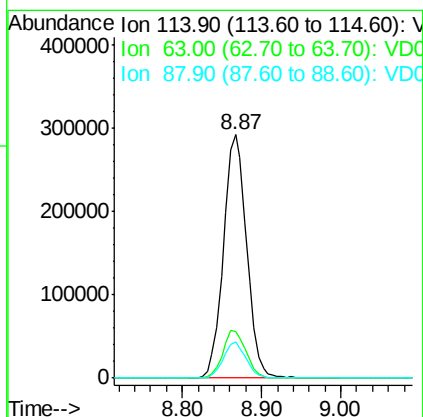
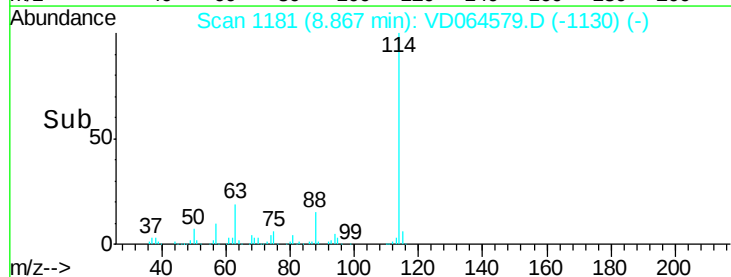
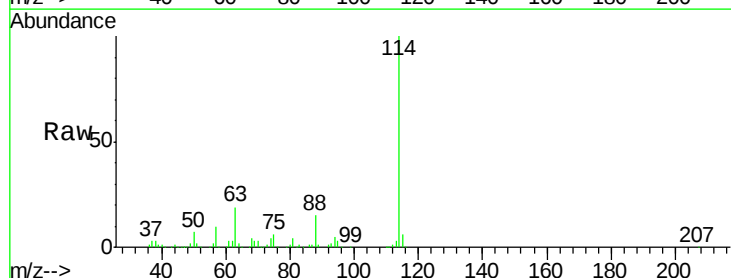
Tgt Ion: 114 Resp: 589288

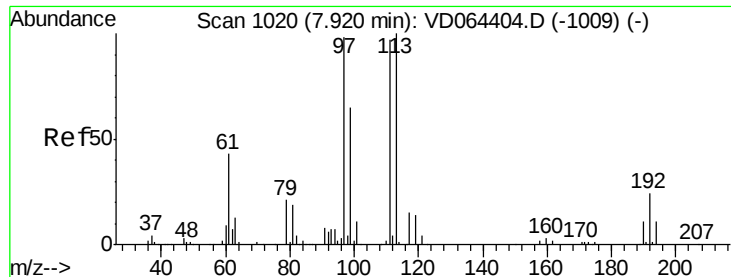
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.9 0.0 29.2





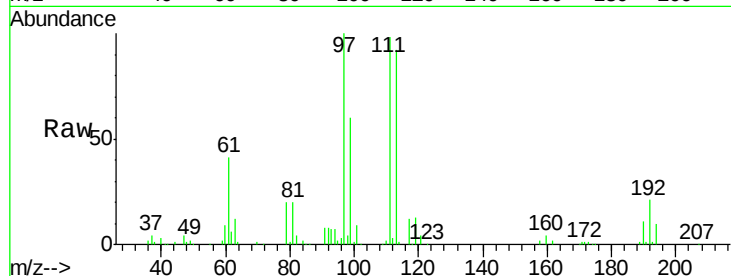
#35
 Dibromofluoromethane
 Concen: 52.666 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

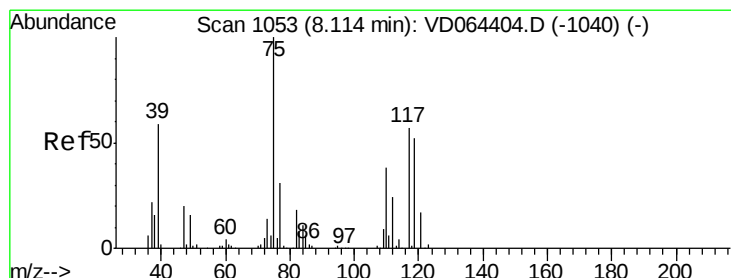
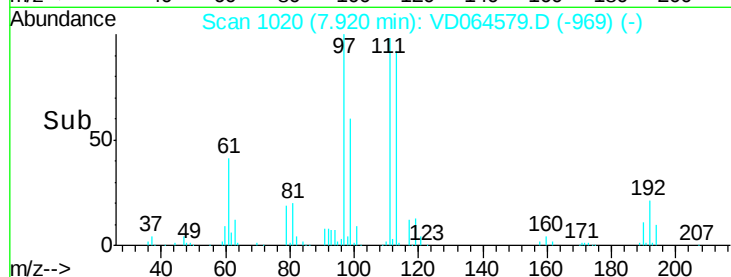
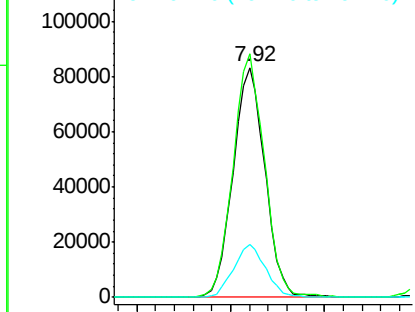
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	79.4	119.2
192	23.1	18.6	28.0

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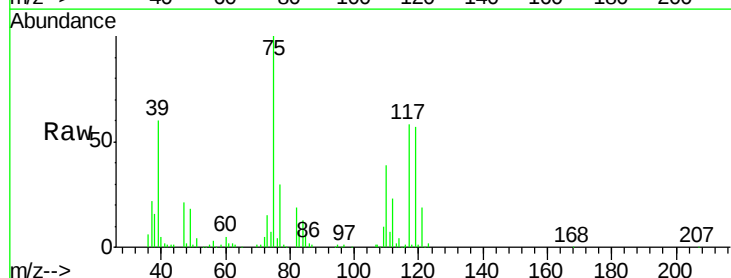


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

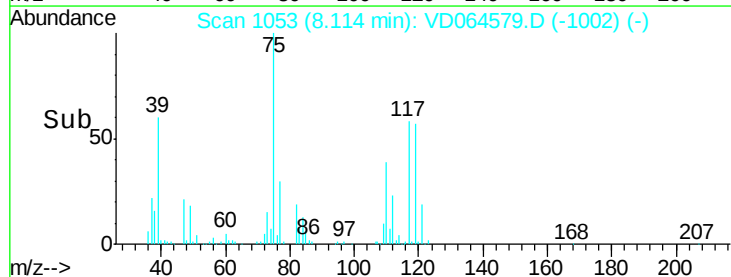
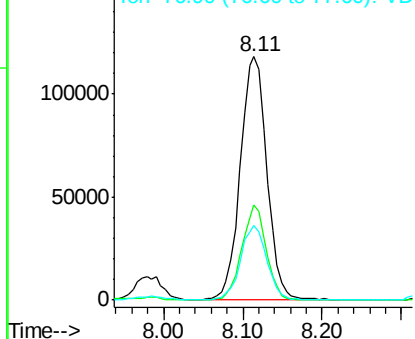


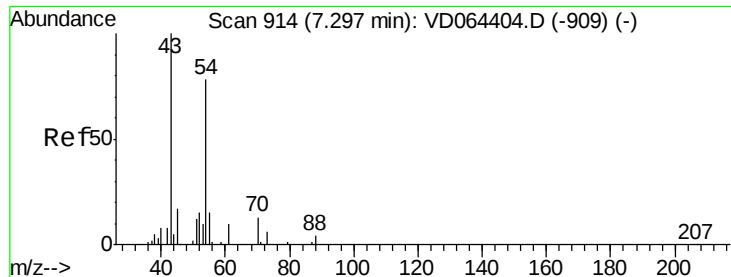
#36
 1,1-Dichloropropene
 Concen: 49.087 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.6	55.8
77	30.7	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





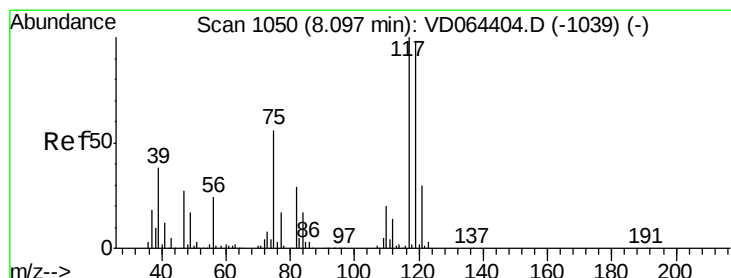
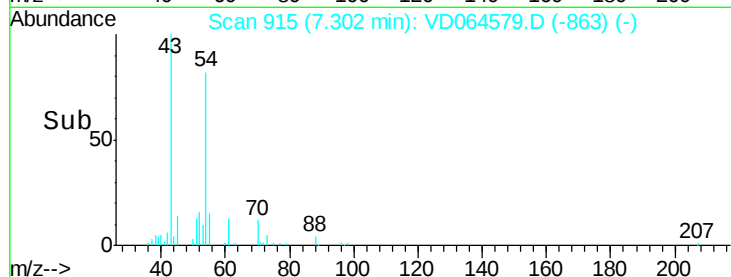
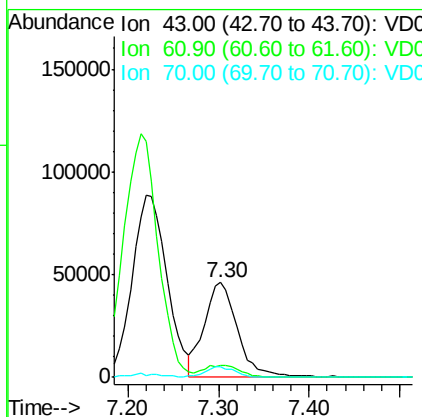
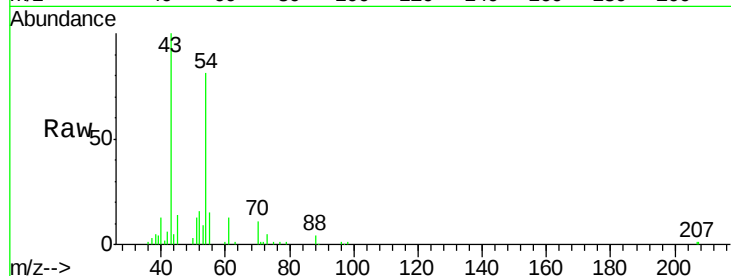
#37
Ethyl Acetate
Concen: 50.276 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	10.3	8.3	12.5

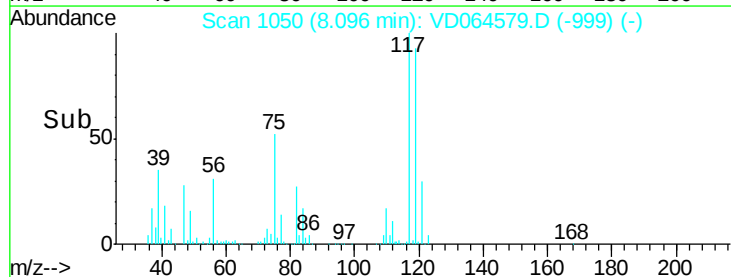
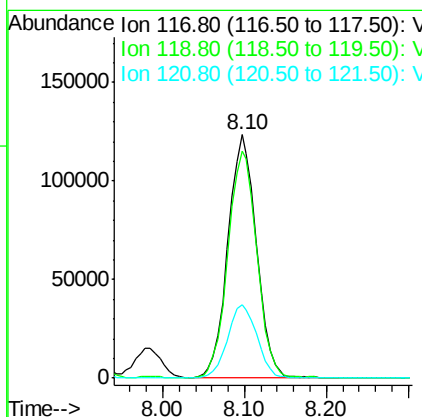
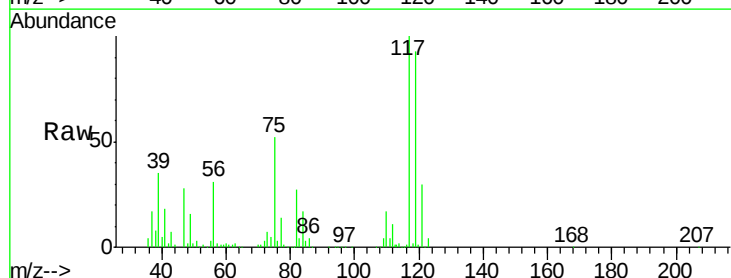
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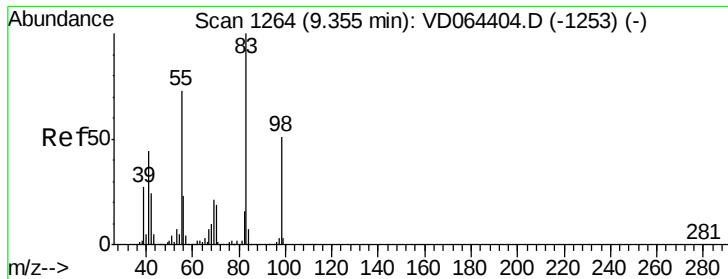
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#38
Carbon Tetrachloride
Concen: 50.594 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.8	118.2
121	30.0	24.2	36.2





#39

Methvlcvclohexane

Concen: 47.083 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

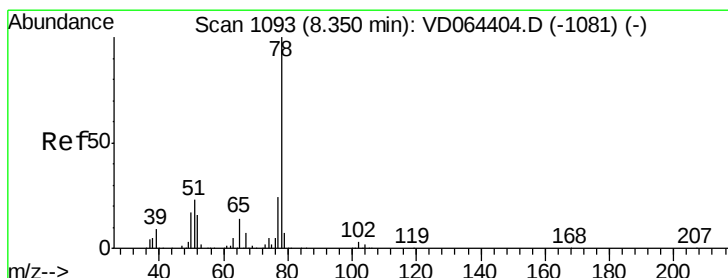
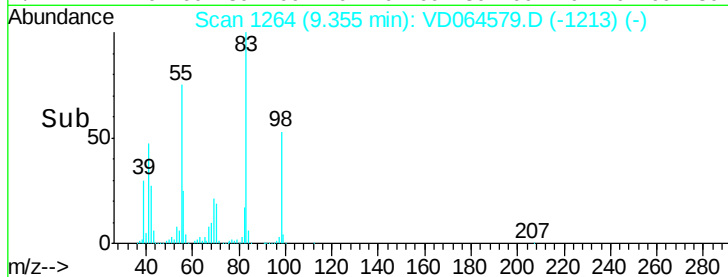
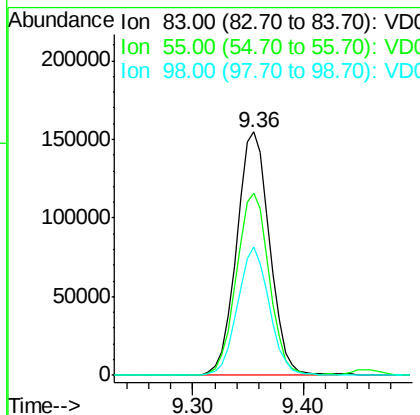
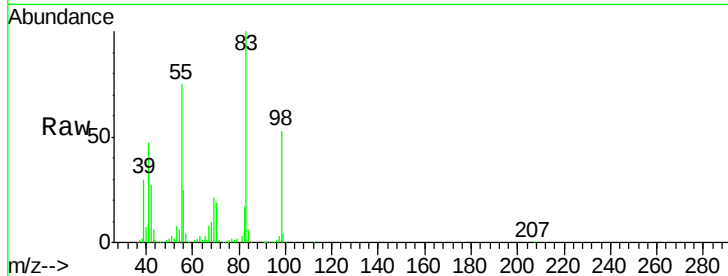
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	325534
Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.6	87.8
98	52.5	40.9	61.3

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#40

Benzene

Concen: 51.094 ug/l

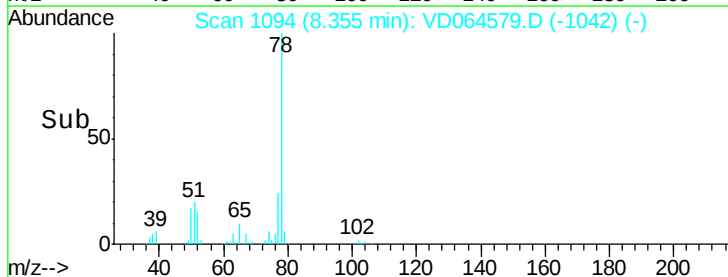
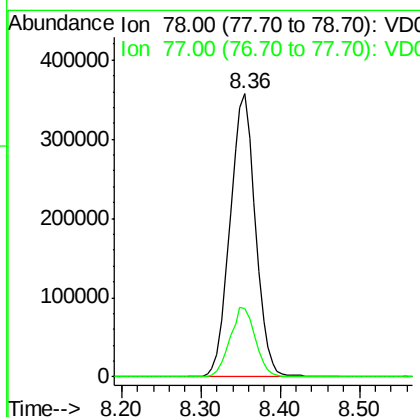
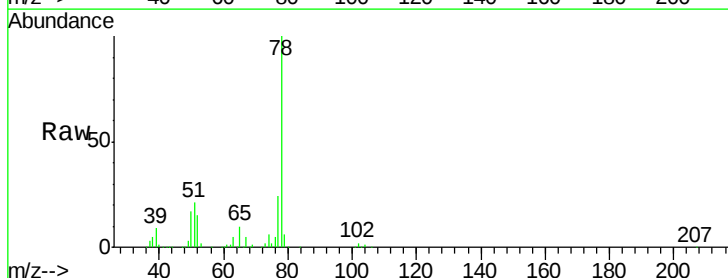
RT: 8.36 min Scan# 1094

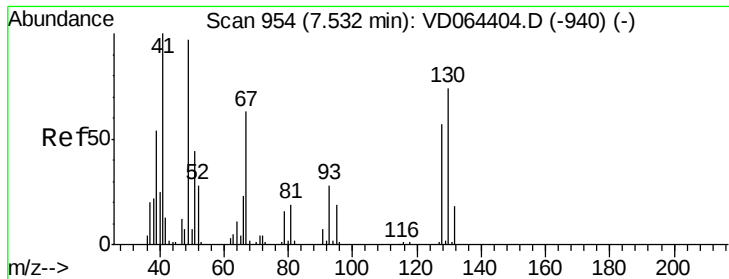
Delta R.T. 0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	78	Resp:	790976
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





#41

Methacrylonitrile

Concen: 47.334 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 64201

Ion Ratio Lower Upper

41 100

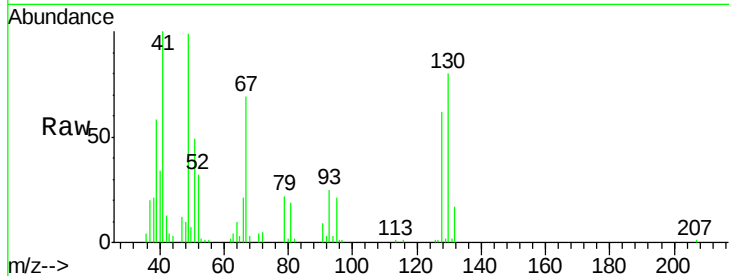
39 62.7 44.6 67.0

67 71.0 50.9 76.3

52 32.3 22.5 33.7

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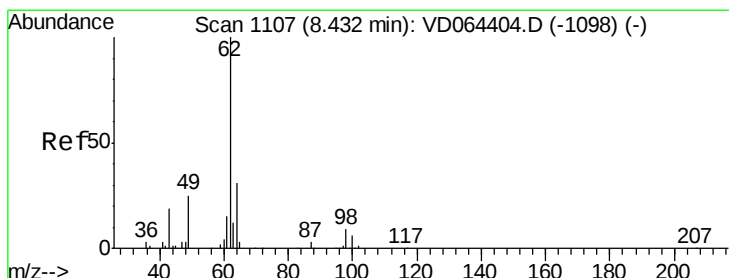
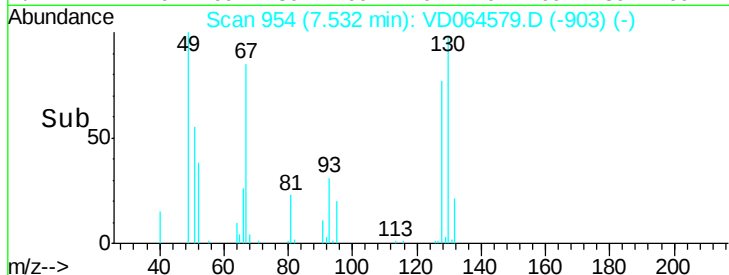
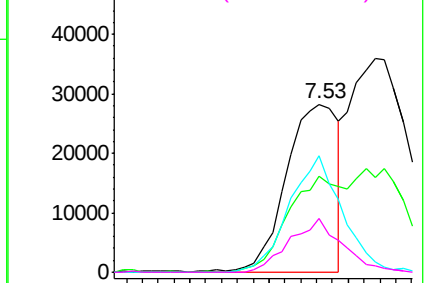


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.640 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064579.D

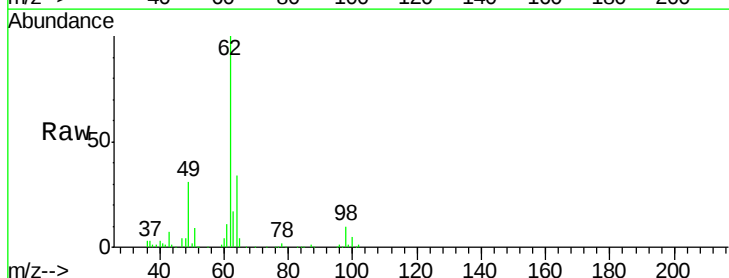
Acq: 23 Dec 2019 20:21

Tgt Ion: 62 Resp: 228622

Ion Ratio Lower Upper

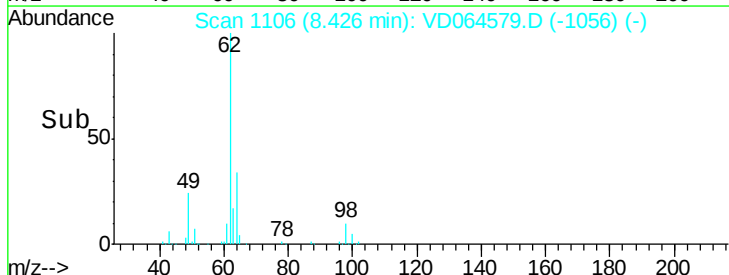
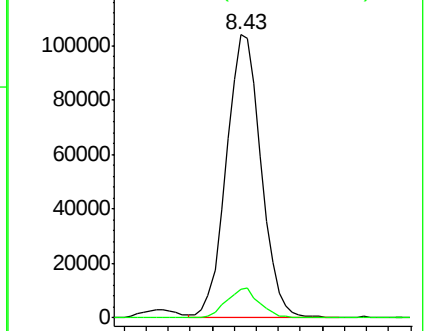
62 100

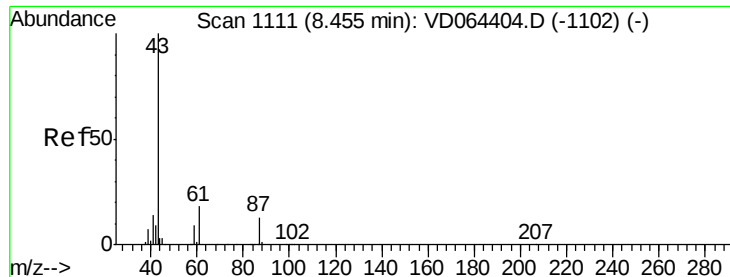
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.765 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

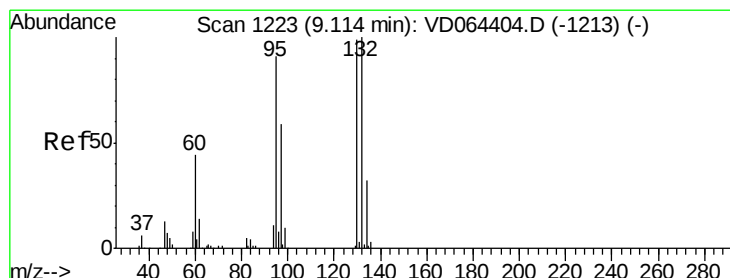
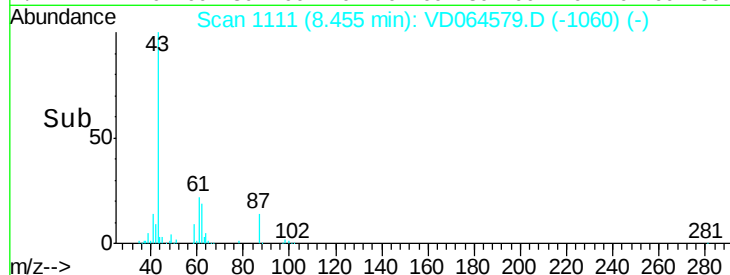
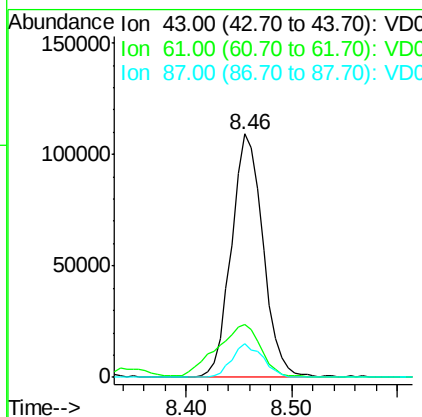
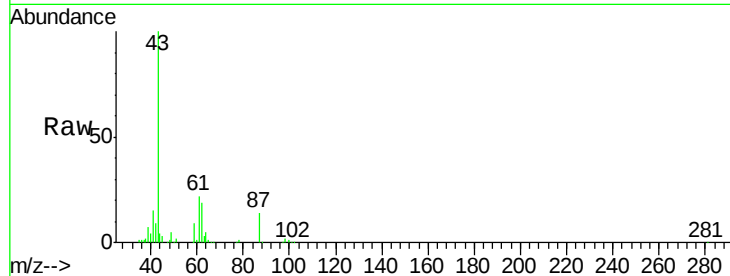
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226769
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.0	36.0
87	13.6	10.6	15.8

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#44

Trichloroethene

Concen: 48.216 ug/l

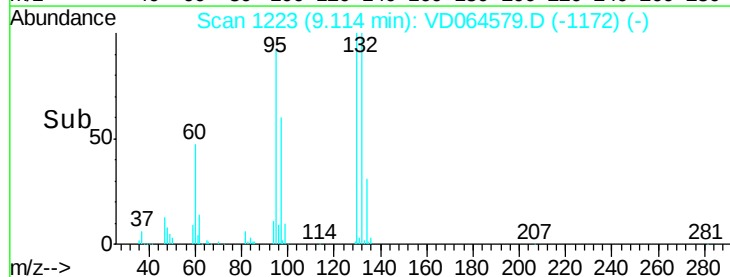
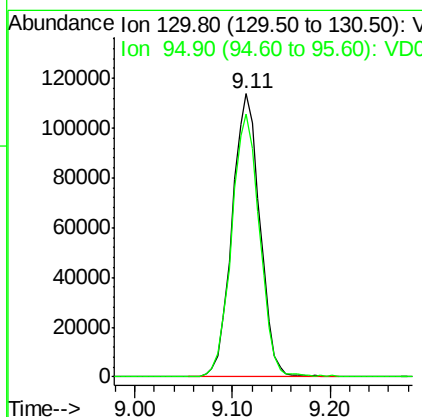
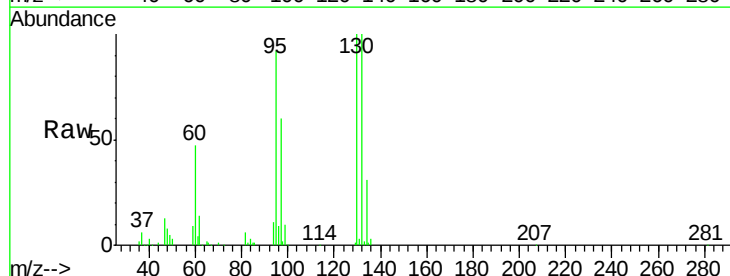
RT: 9.11 min Scan# 1223

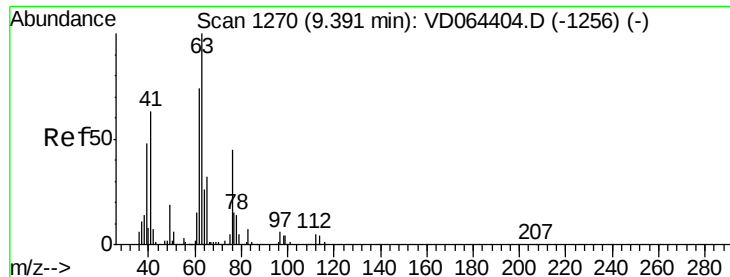
Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	130	Resp:	224846
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	184.6





#45

1,2-Dichloropropane

Concen: 51.717 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 191475

Ion Ratio Lower Upper

63 100

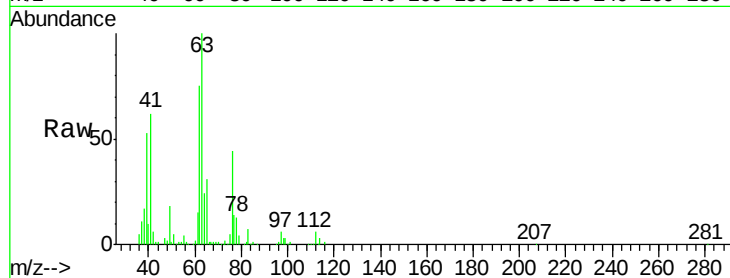
65 31.2 25.4 38.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

60000

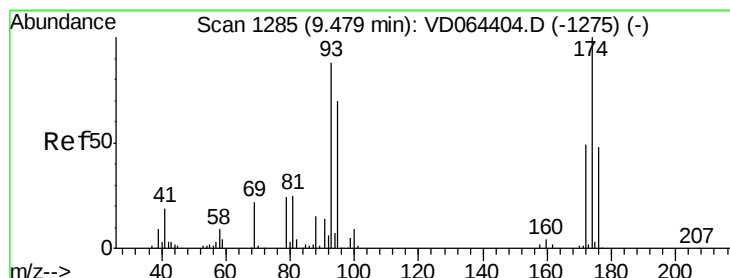
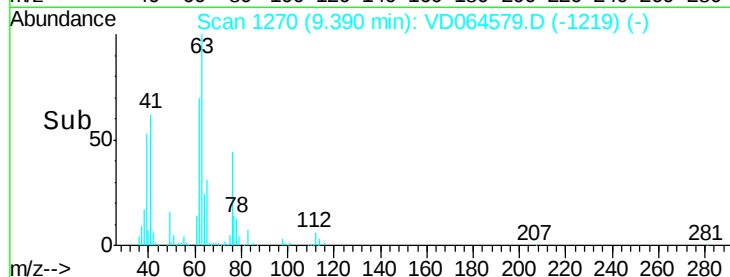
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 51.539 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

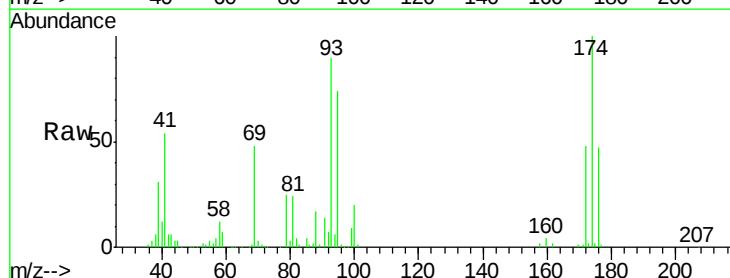
Tgt Ion: 93 Resp: 107697

Ion Ratio Lower Upper

93 100

95 81.3 66.7 100.1

174 111.5 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

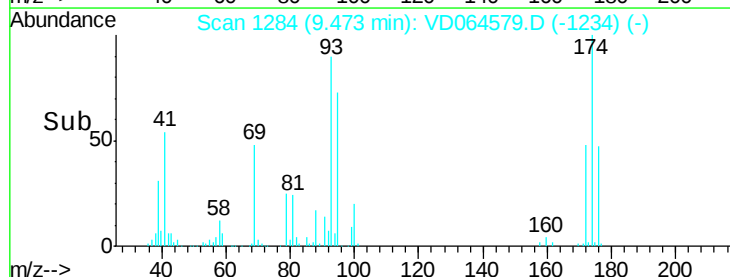
40000

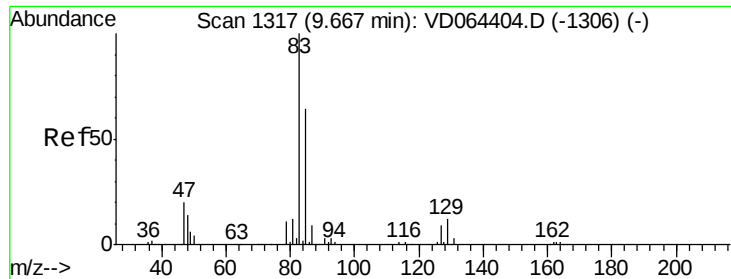
20000

0

9.40 9.50 9.60

Time-->





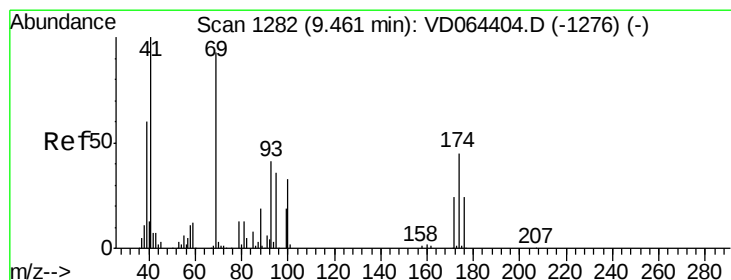
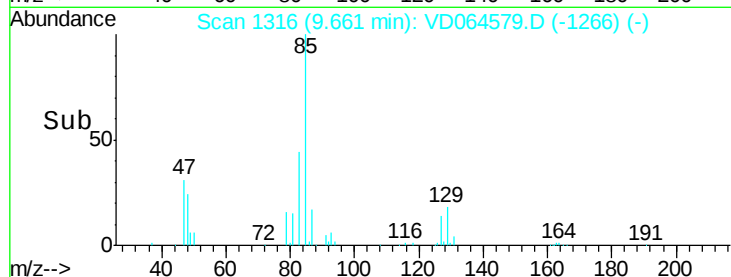
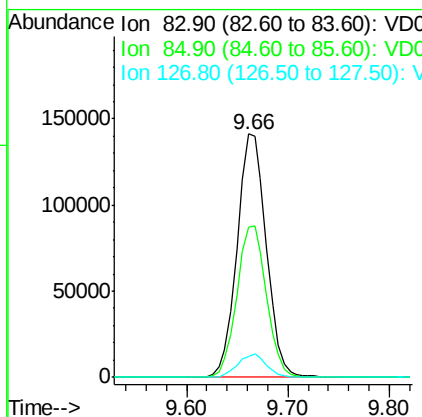
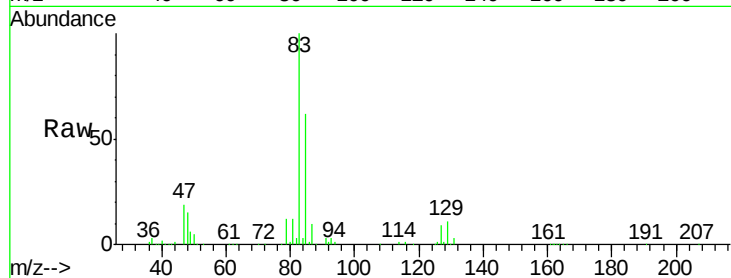
#47
Bromodichloromethane
Concen: 52.554 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	282172
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	51.1	76.7
127	8.6	7.4	11.0

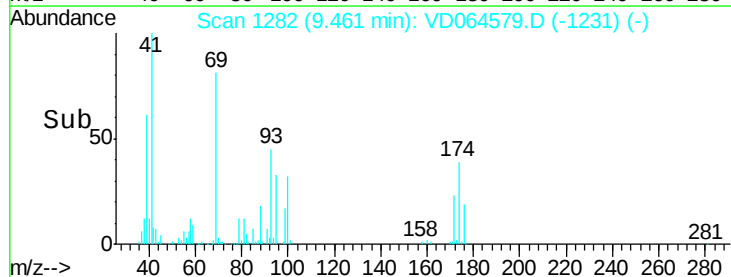
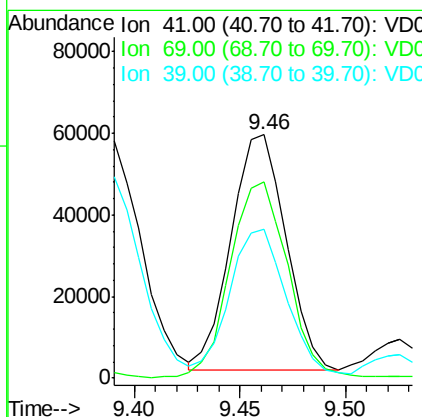
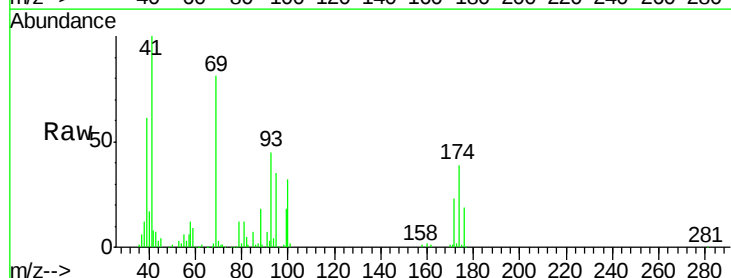
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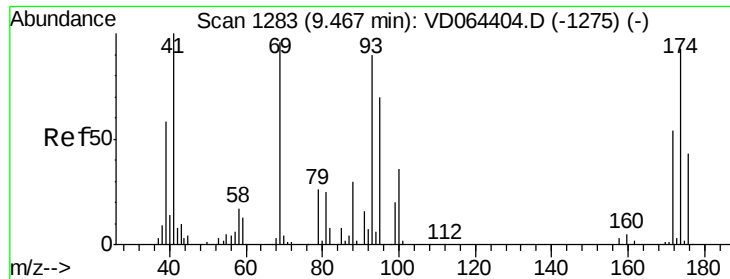
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#48
Methyl methacrylate
Concen: 48.705 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	41	Resp	103641
Ion Ratio	100	Lower	Upper
41	100		
69	86.9	72.0	108.0
39	62.4	55.2	82.8





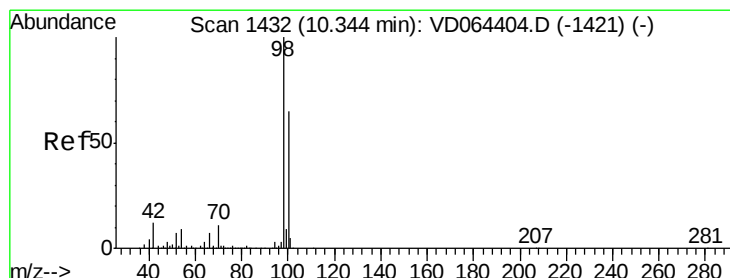
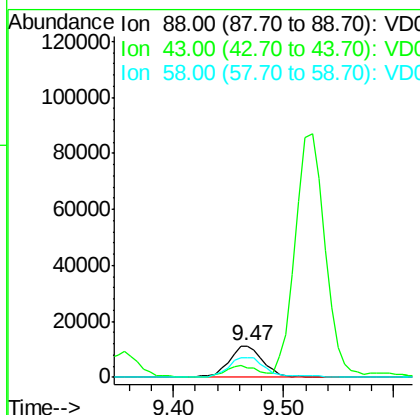
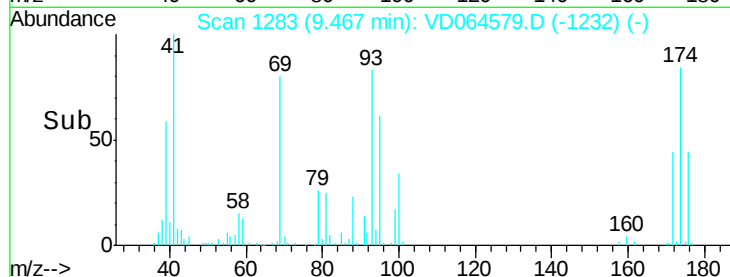
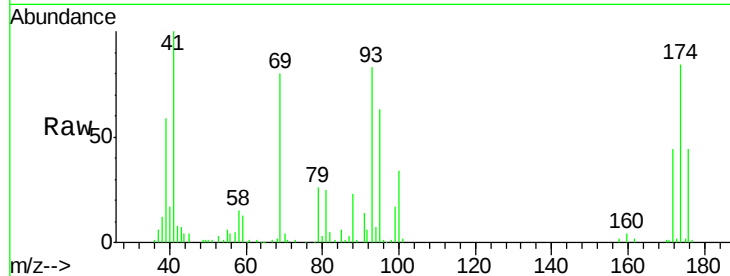
#49
 1,4-Dioxane
 Concen: 935.251 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.7	40.1
58	66.9	52.3	78.5

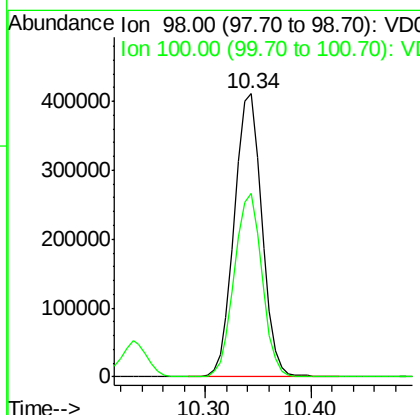
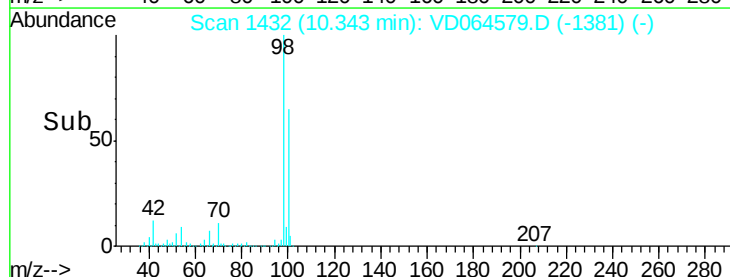
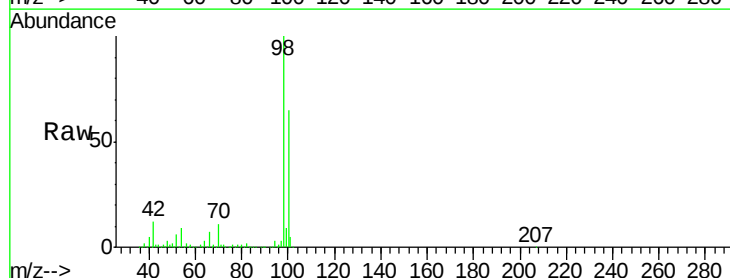
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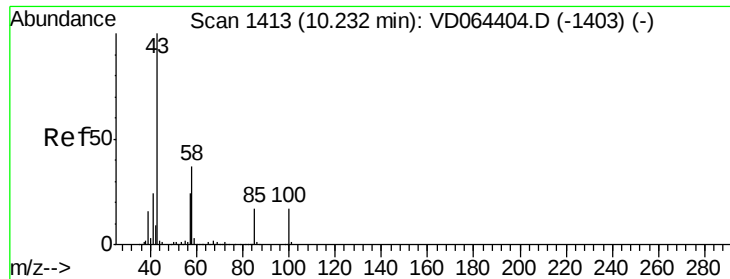
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#50
 Toluene-d8
 Concen: 53.304 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 241.332 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 555279

Ion Ratio Lower Upper

43 100

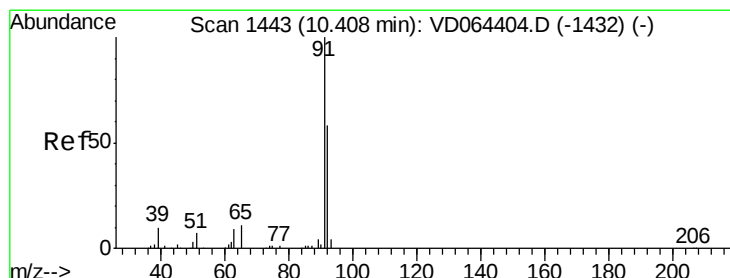
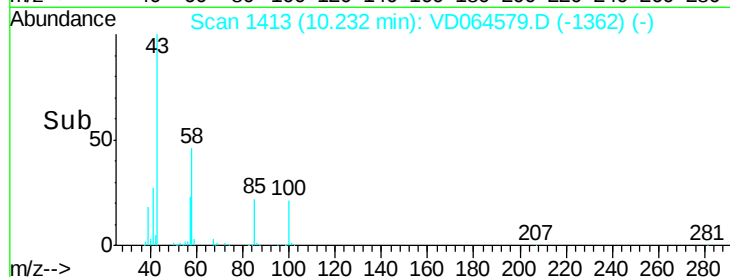
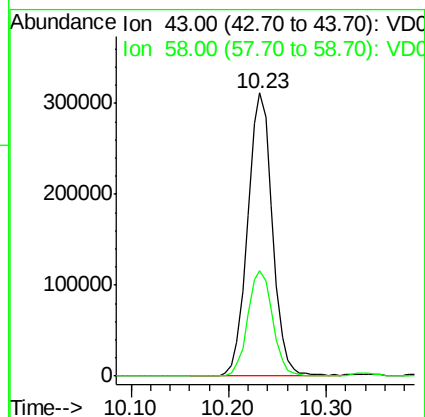
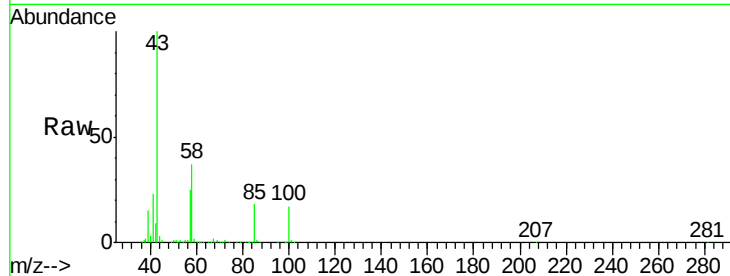
58 37.6 30.6 46.0

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#52

Toluene

Concen: 51.016 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064579.D

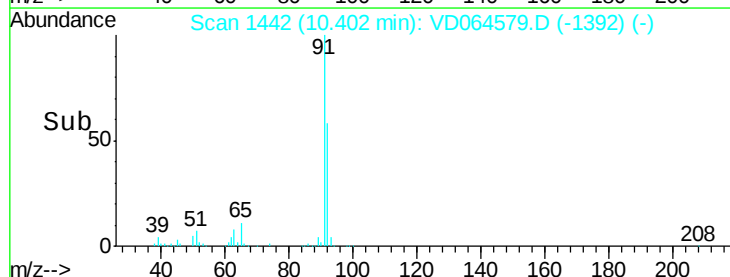
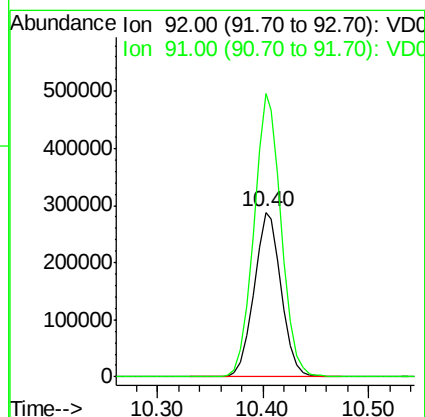
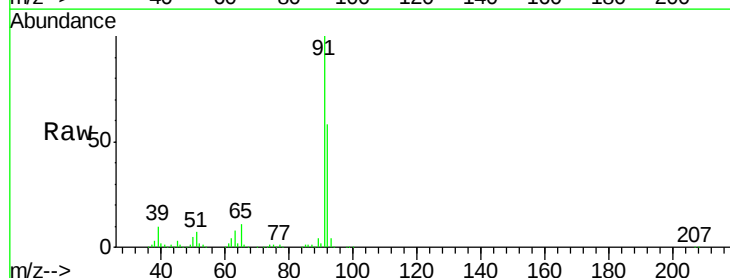
Acq: 23 Dec 2019 20:21

Tgt Ion: 92 Resp: 514704

Ion Ratio Lower Upper

92 100

91 172.9 137.8 206.6





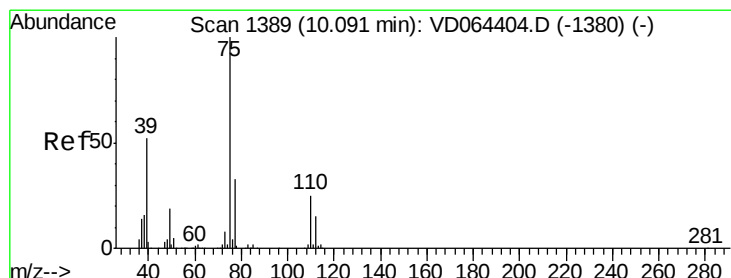
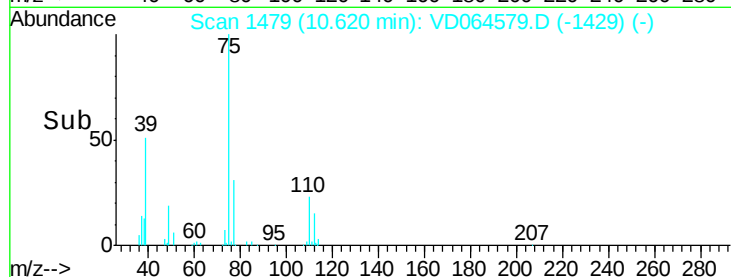
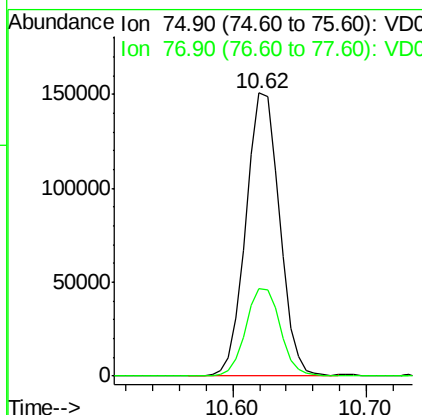
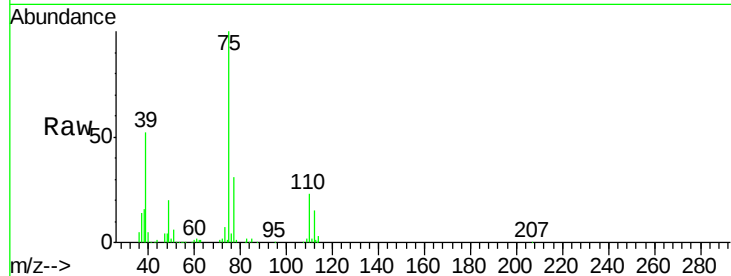
#53
 t-1,3-Dichloropropene
 Concen: 51.454 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4

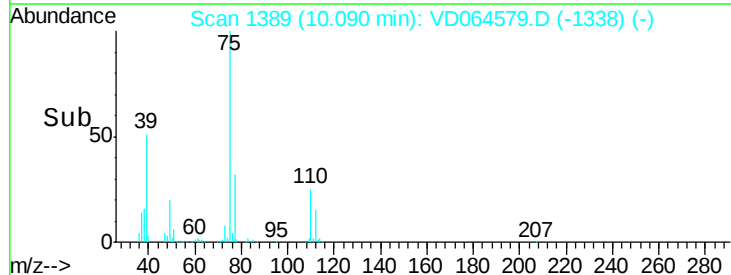
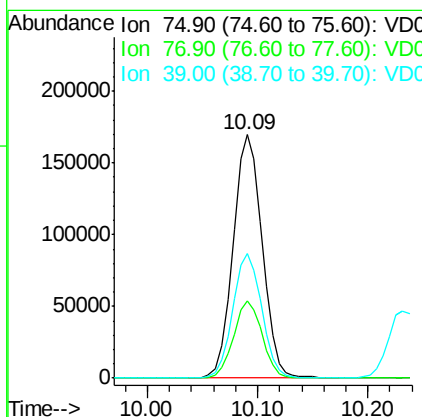
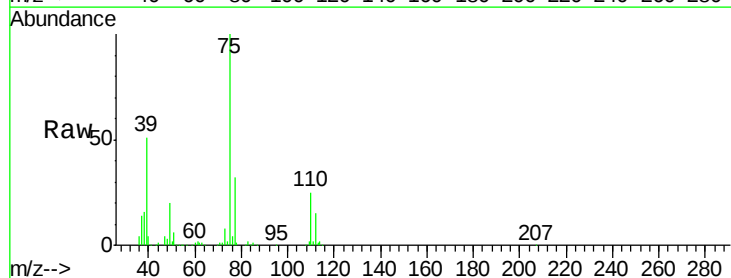
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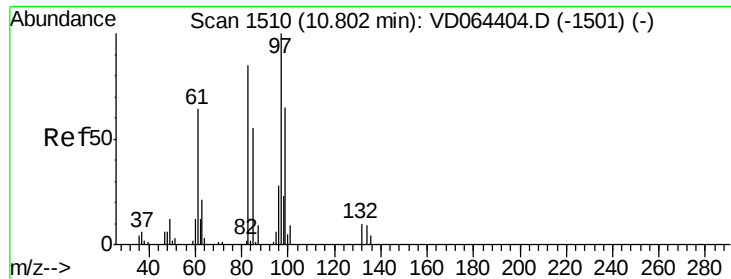
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#54
 cis-1,3-Dichloropropene
 Concen: 51.674 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	51.0	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 49.162 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 140668

Ion Ratio Lower Upper

97 100

83 89.2 67.8 101.8

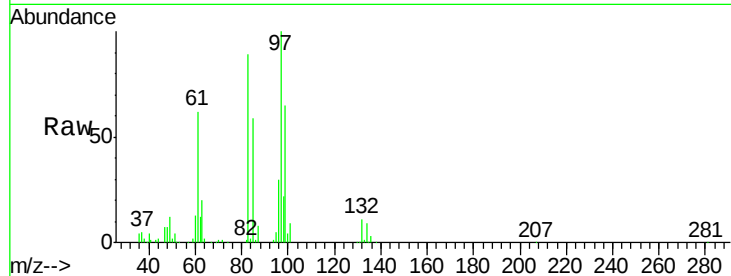
85 58.9 43.7 65.5

99 64.6 51.7 77.5

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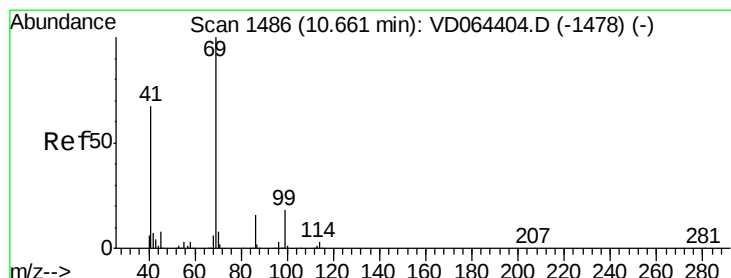
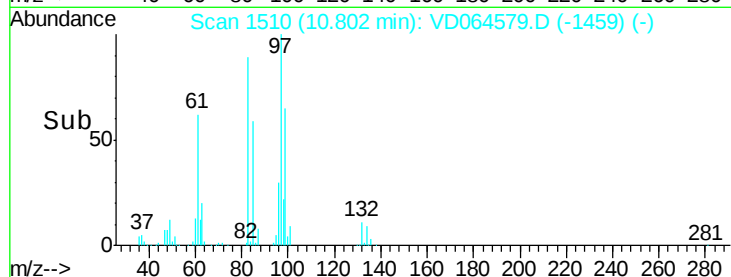
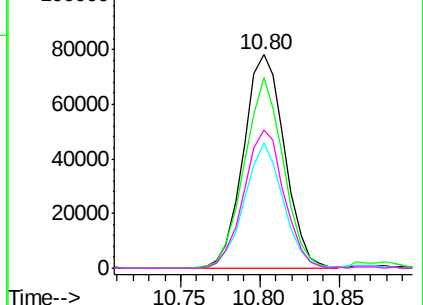


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.142 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

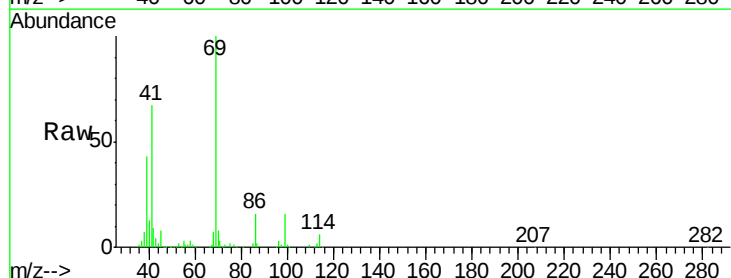
Tgt Ion: 69 Resp: 182990

Ion Ratio Lower Upper

69 100

41 70.1 55.0 82.4

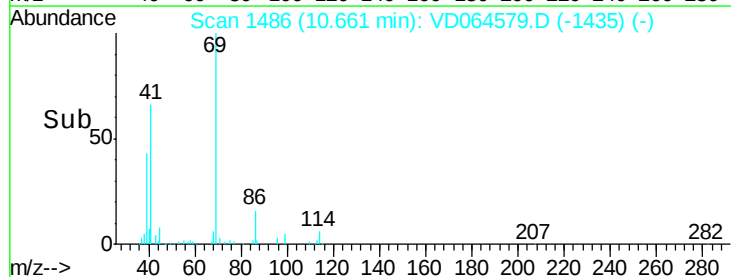
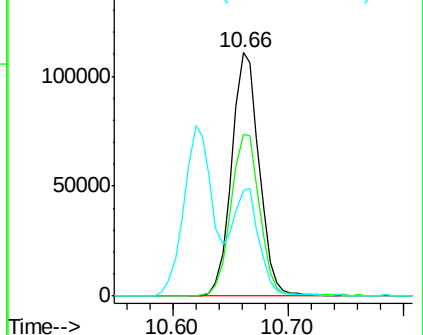
39 42.6 33.0 49.6

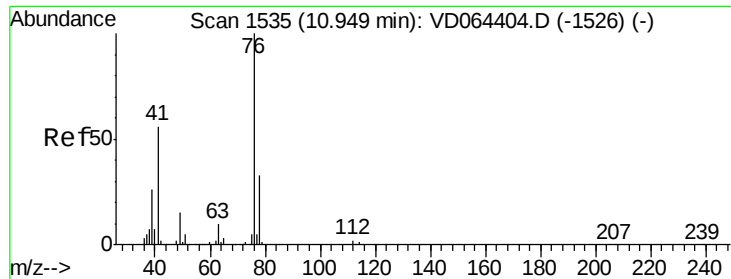


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





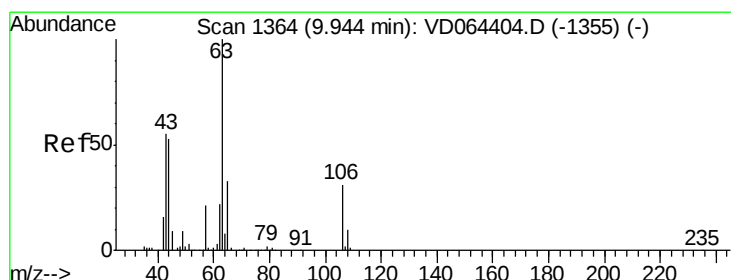
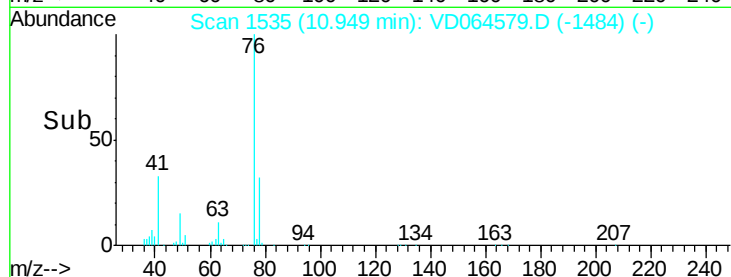
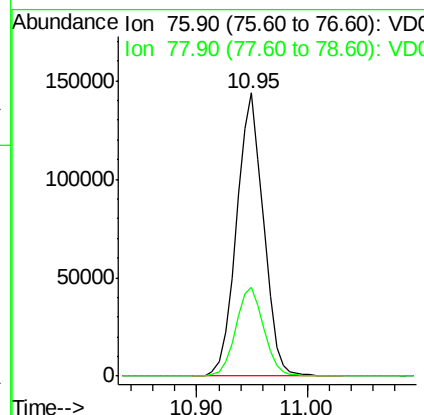
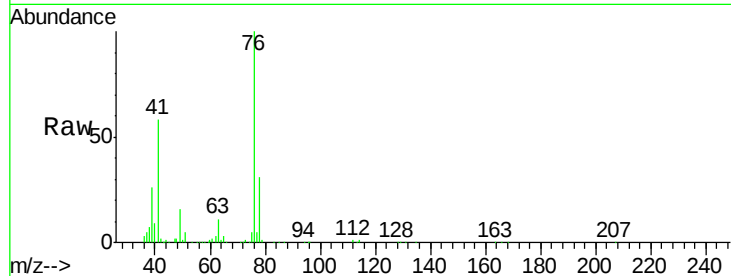
#57
 1,3-Dichloropropane
 Concen: 50.566 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 246289
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

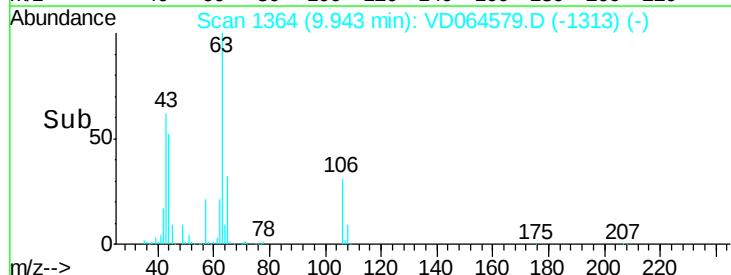
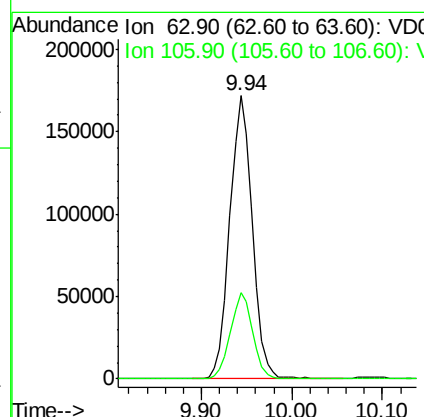
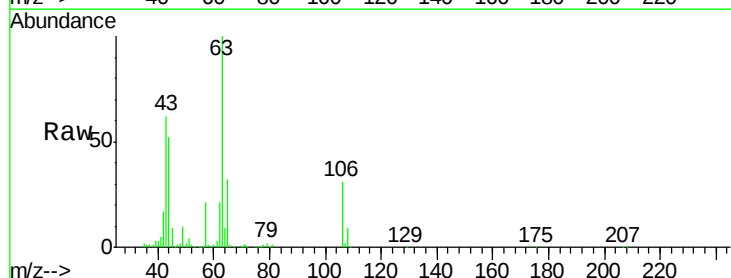
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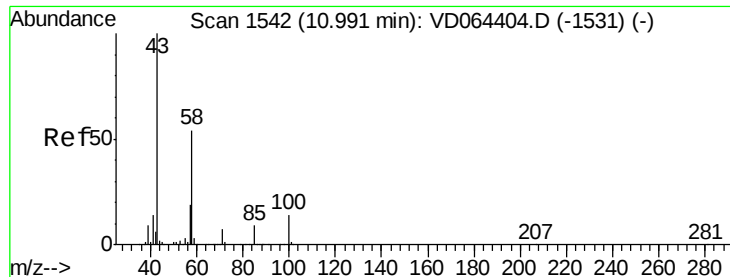
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#58
 2-Chloroethyl Vinyl ether
 Concen: 203.769 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion: 63 Resp: 296441
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.2 36.4





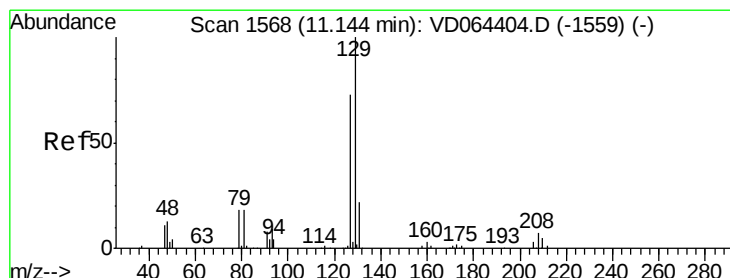
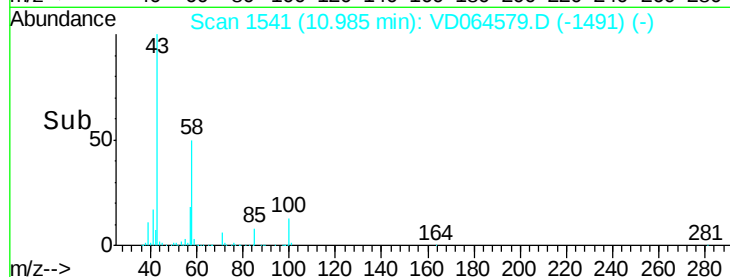
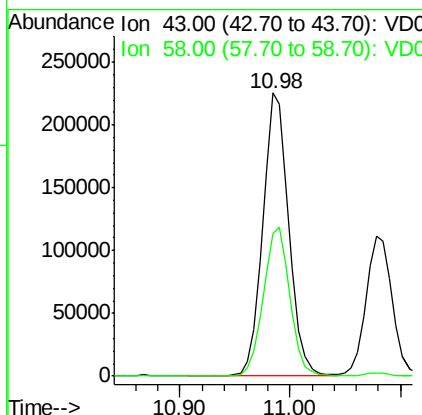
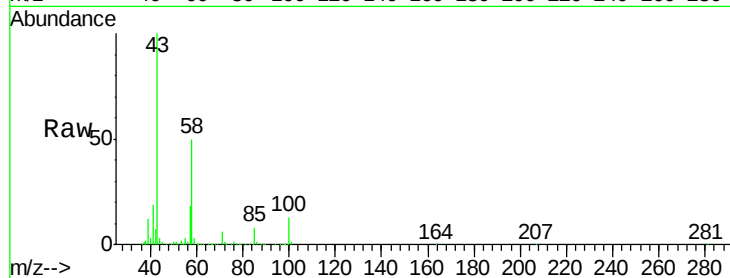
#59
2-Hexanone
Concen: 232.819 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	371712
Ion Ratio	100	Lower	Upper
43	100		
58	53.7	26.3	78.8

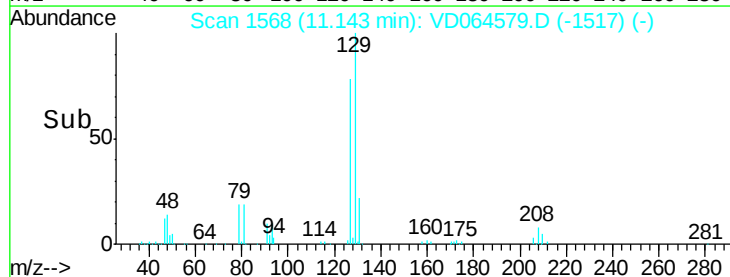
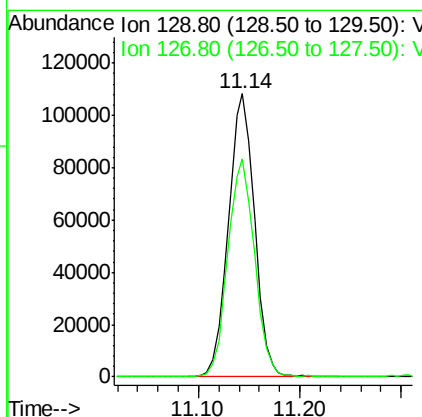
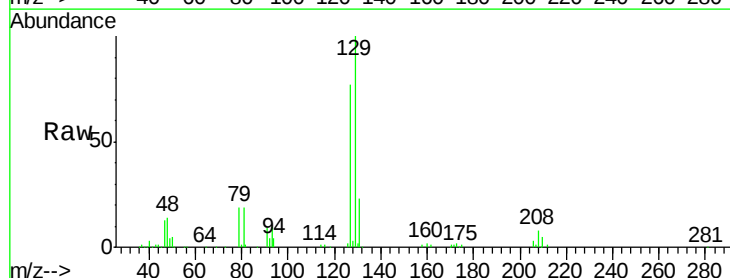
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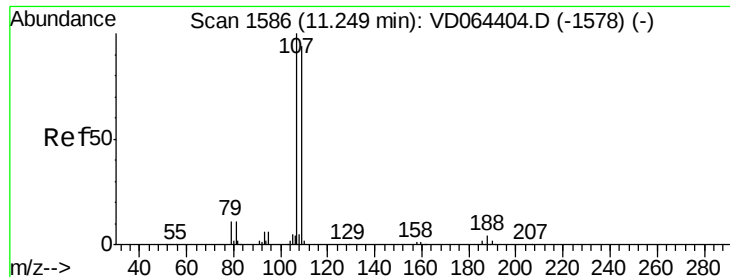
apatel
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#60
Dibromochloromethane
Concen: 49.920 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	129	Resp	193665
Ion Ratio	100	Lower	Upper
129	100		
127	78.6	38.1	114.3





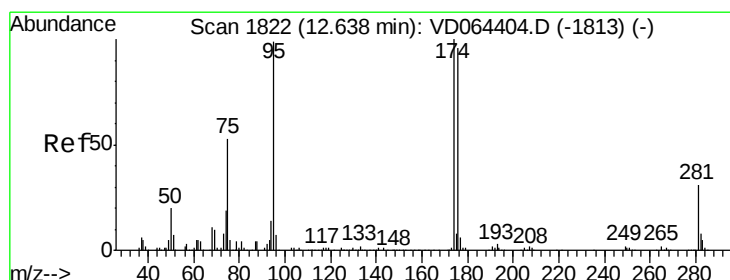
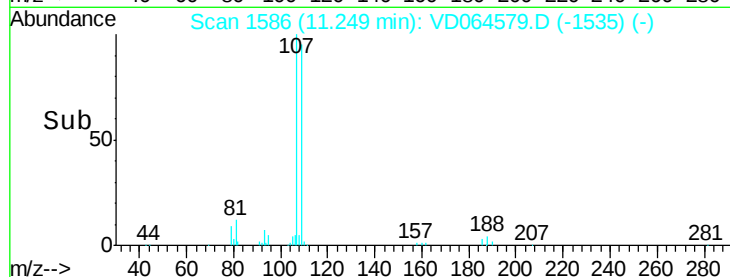
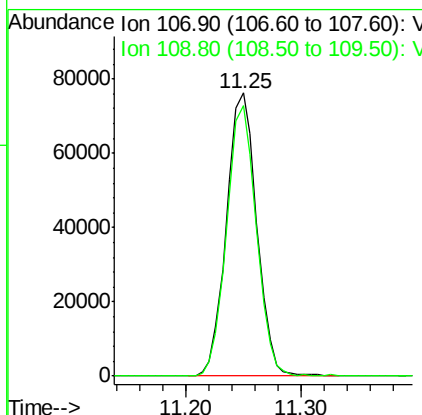
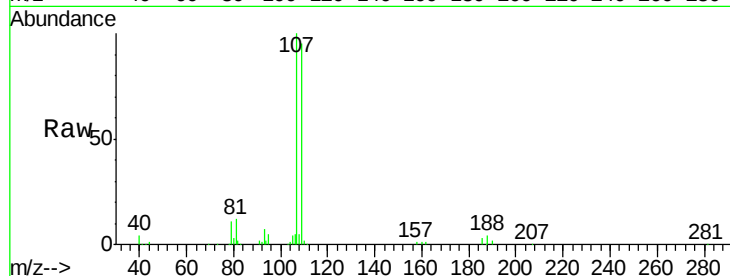
#61
 1,2-Dibromoethane
 Concen: 48.559 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.2	114.2

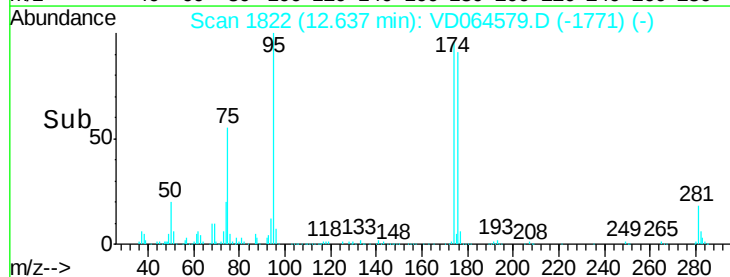
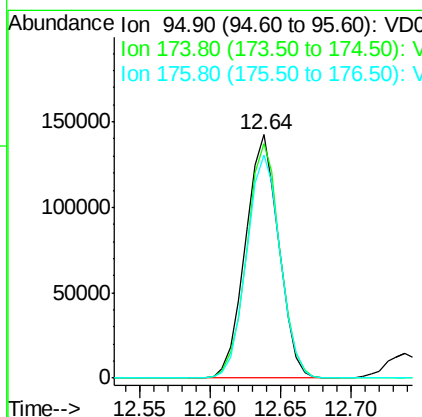
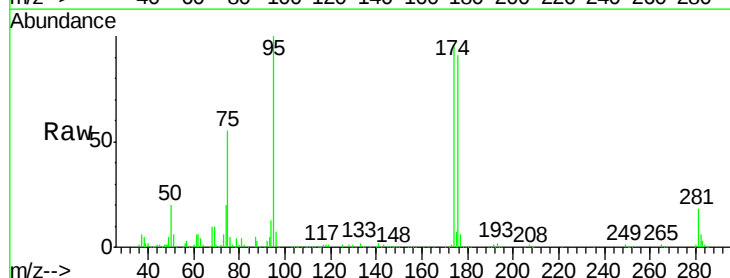
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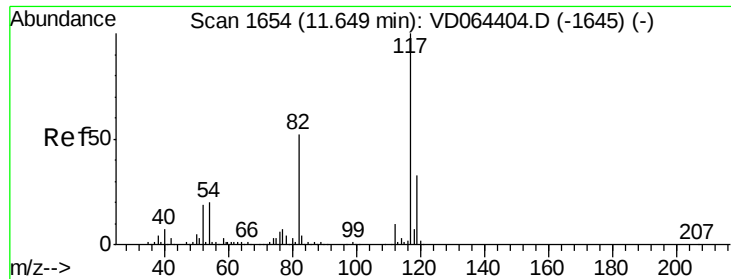
apatel
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#62
 4-Bromofluorobenzene
 Concen: 52.467 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	197.2
176	92.8	0.0	189.6





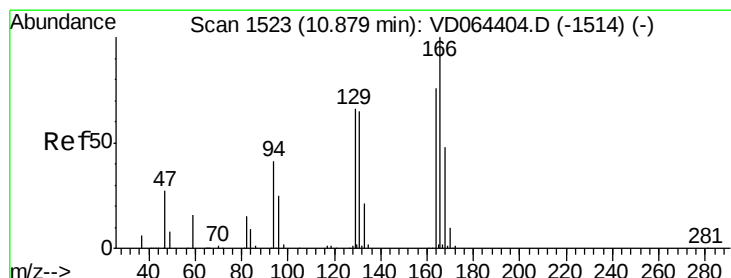
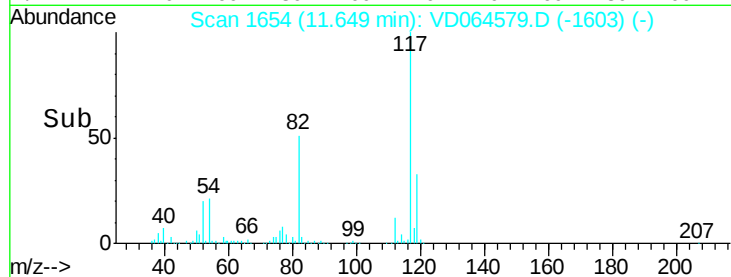
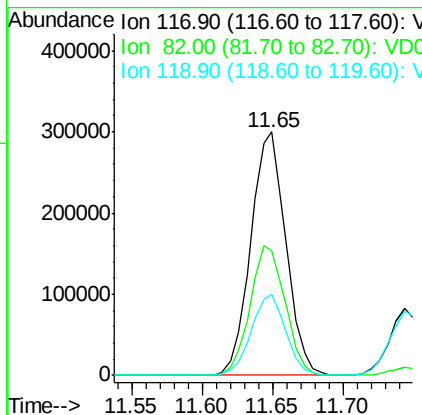
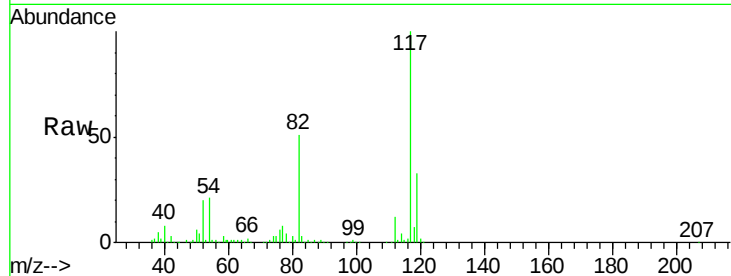
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	522089		
82	51.4		41.4	62.2
119	33.2		26.2	39.2

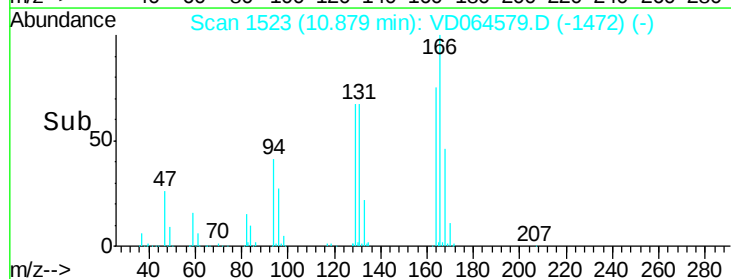
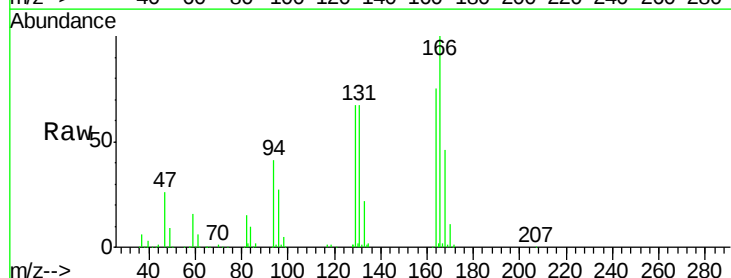
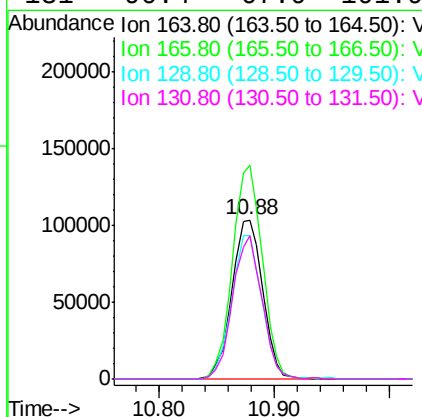
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#64
Tetrachloroethene
Concen: 48.020 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191183		
166	134.1		104.8	157.2
129	90.4		68.7	103.1
131	90.4		67.9	101.9





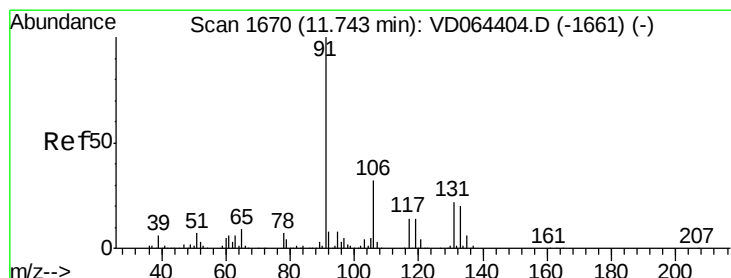
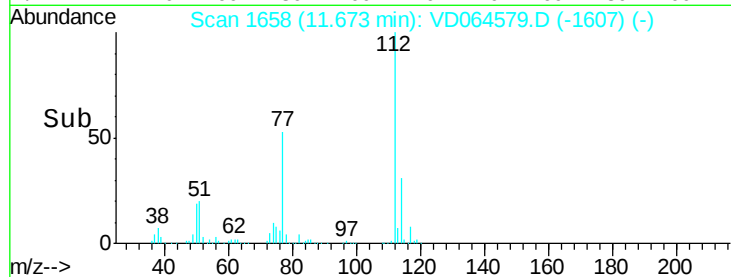
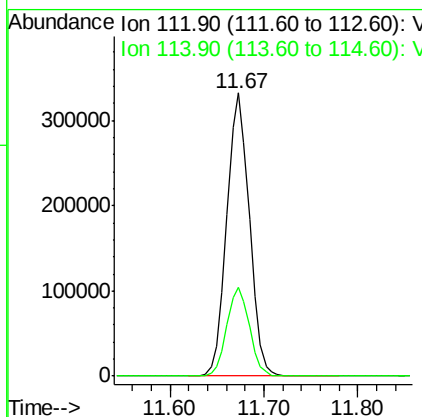
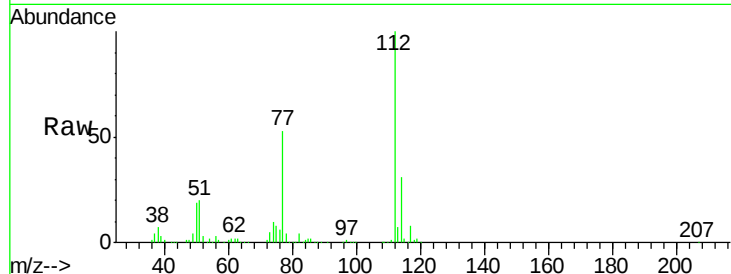
#65
Chlorobenzene
Concen: 51.030 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 555670
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7

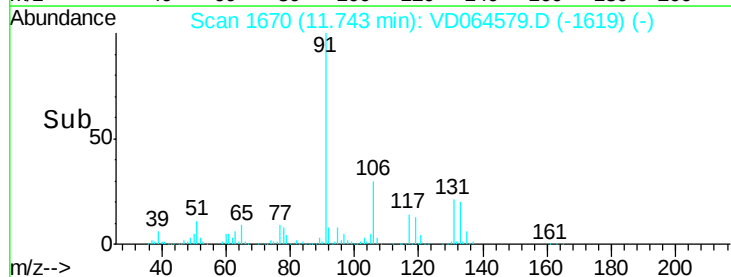
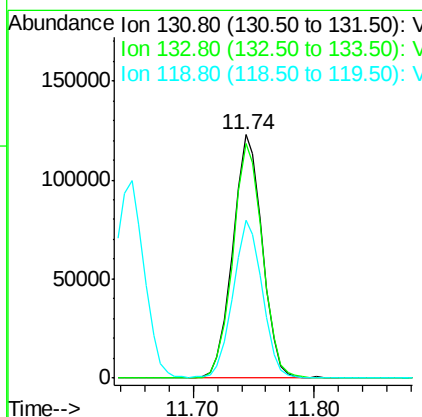
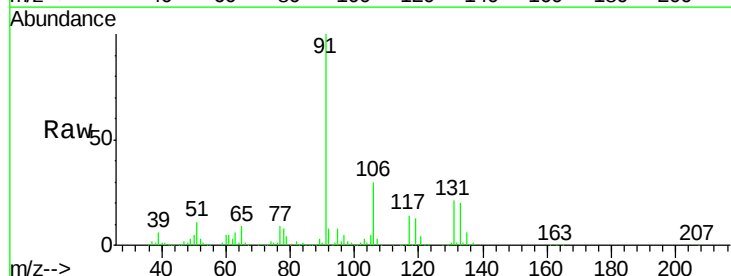
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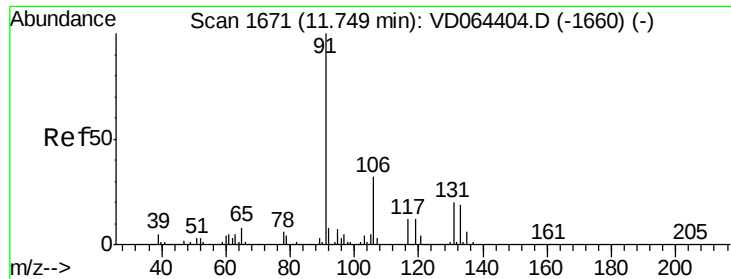
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.902 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion:131 Resp: 209216
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.9
119 64.4 31.9 95.9





#67

Ethyl Benzene

Concen: 51.182 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 991608

Ion Ratio Lower Upper

91 100

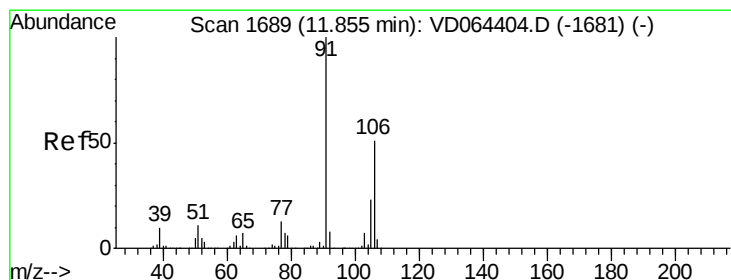
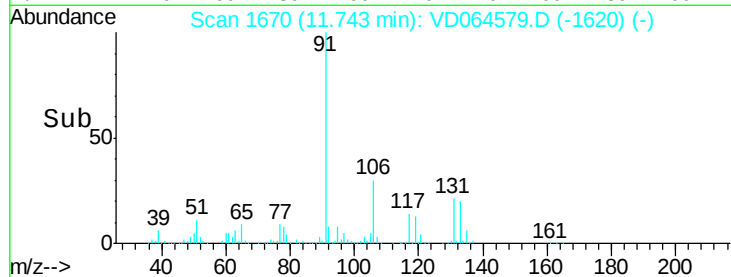
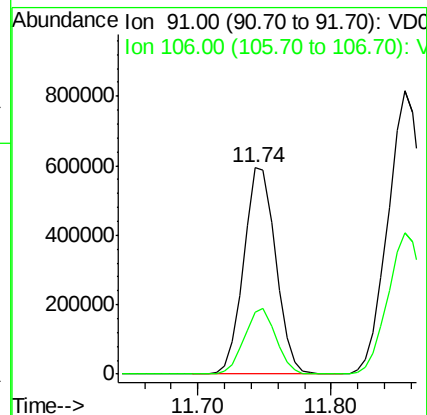
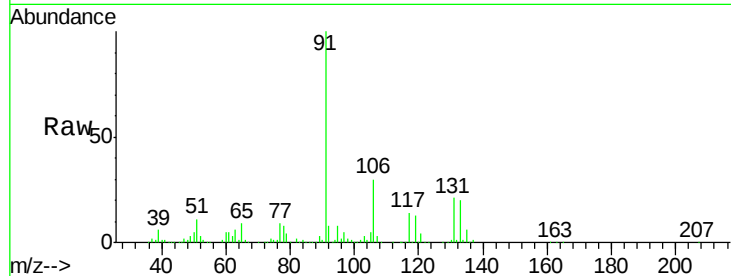
106 29.9 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.324 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064579.D

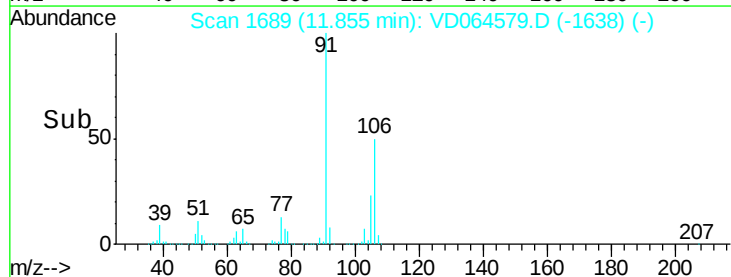
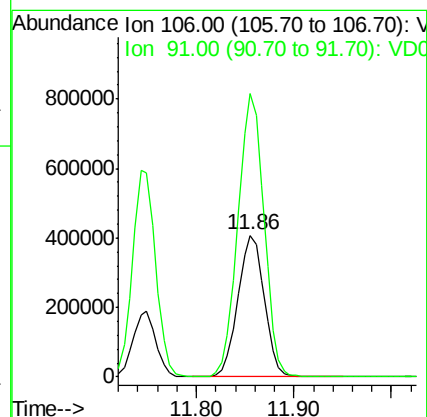
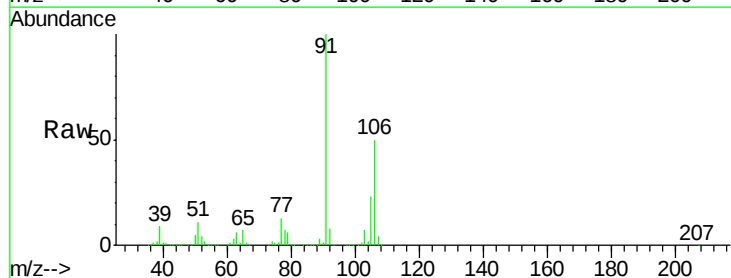
Acq: 23 Dec 2019 20:21

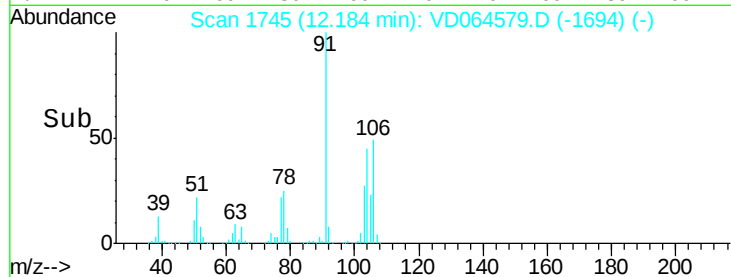
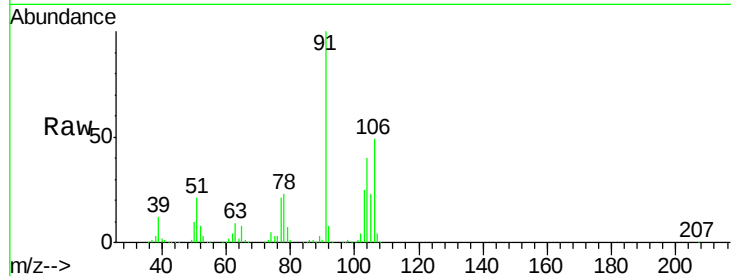
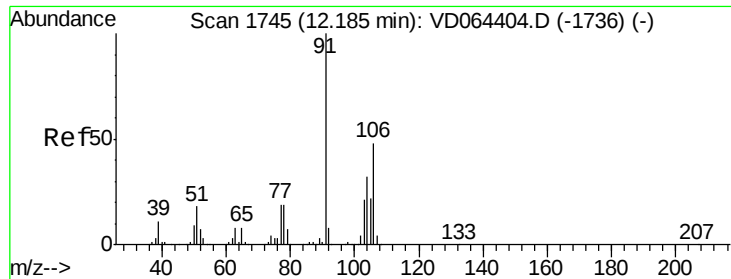
Tgt Ion: 106 Resp: 763270

Ion Ratio Lower Upper

106 100

91 198.4 157.4 236.2





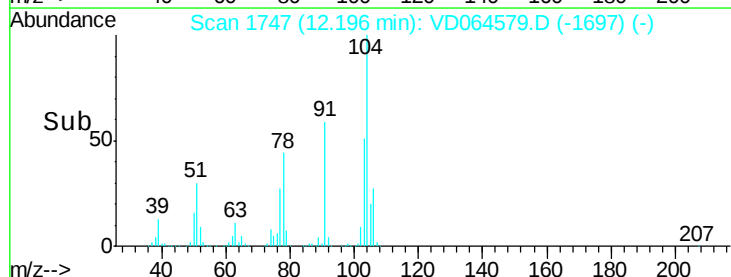
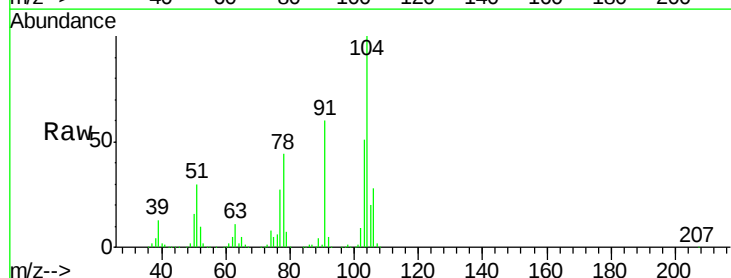
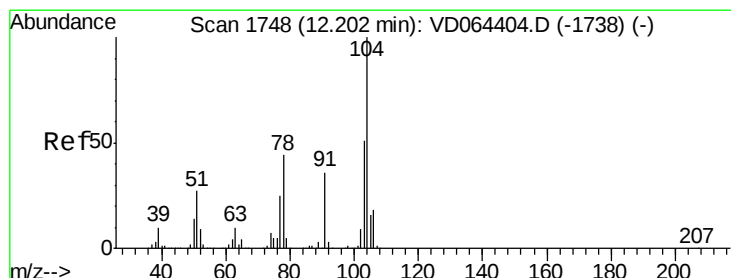
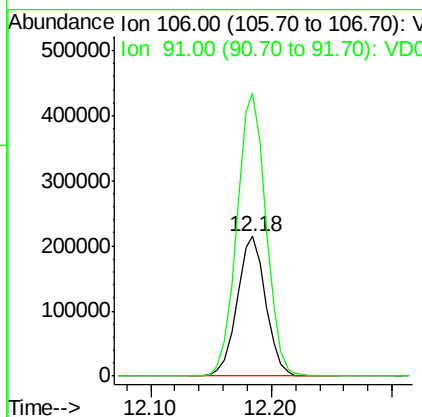
#69
o-Xylene
Concen: 51.721 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.9	103.8	311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

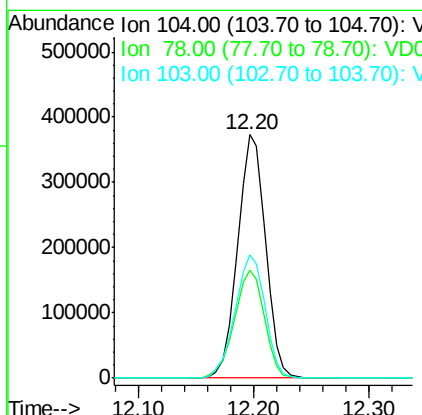
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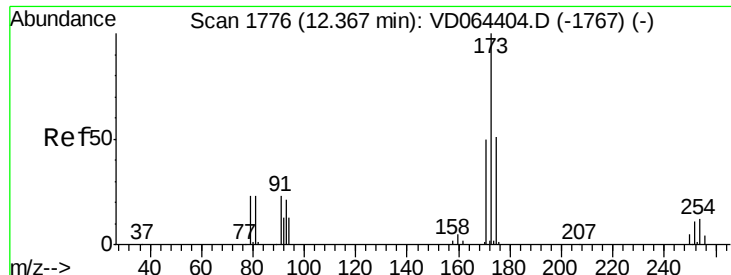
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#70
Styrene
Concen: 52.679 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.8	58.2
103	54.7	44.2	66.4





#71

Bromoform

Concen: 49.700 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 119860

Ion Ratio Lower Upper

173 100

175 49.3 25.3 75.8

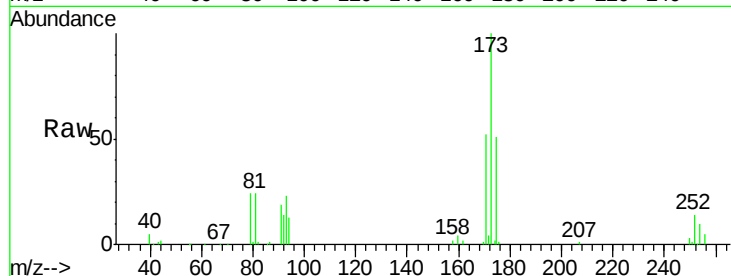
254 0.1 0.0 0.0#

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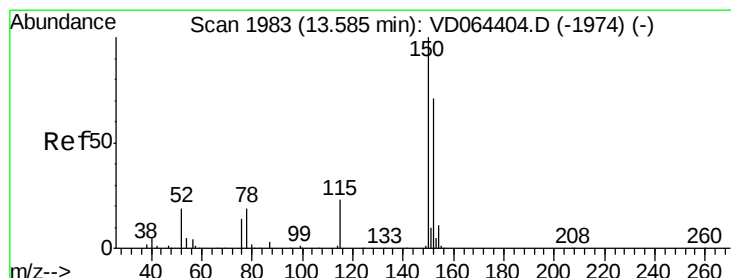
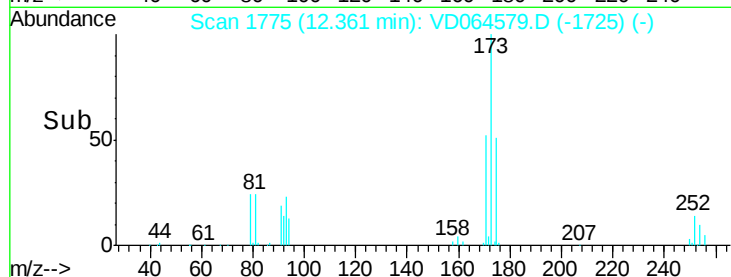
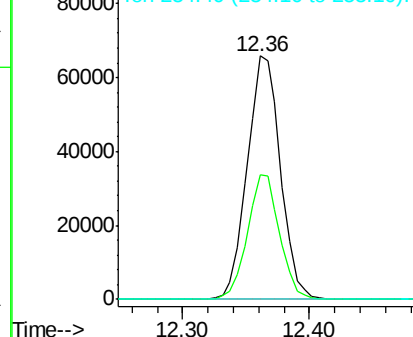
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

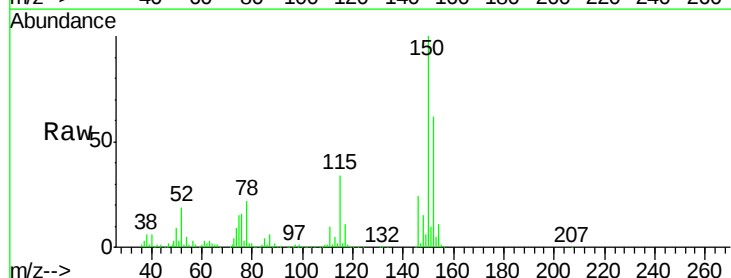
Tgt Ion:152 Resp: 266239

Ion Ratio Lower Upper

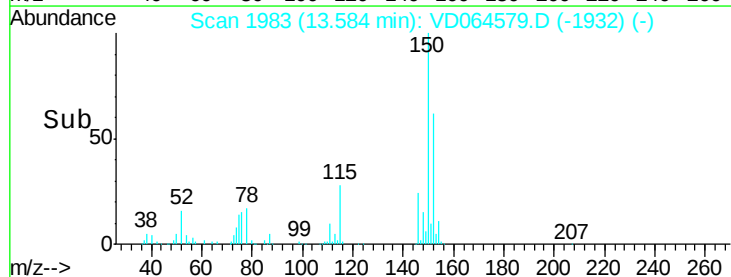
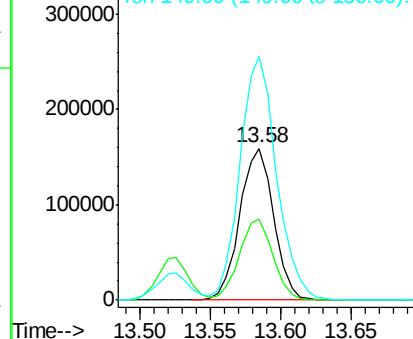
152 100

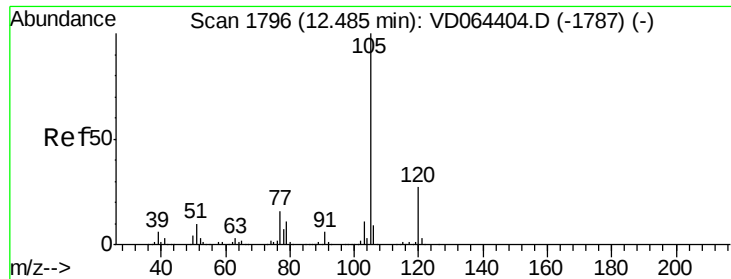
115 53.2 26.7 80.1

150 173.5 0.0 347.2



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





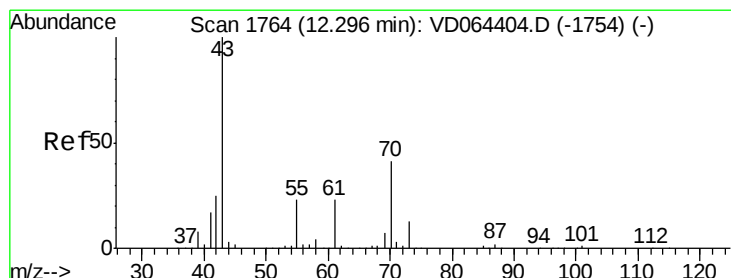
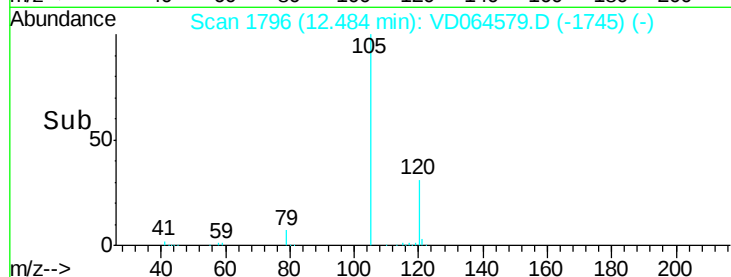
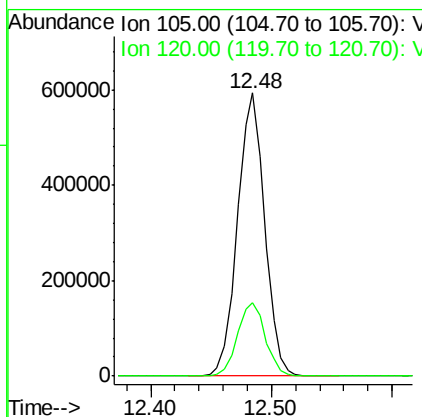
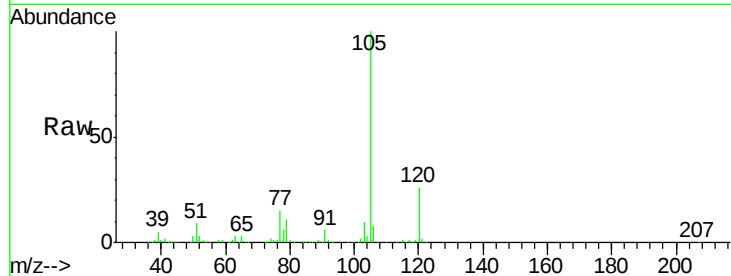
#73
Isopropylbenzene
Concen: 48.545 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

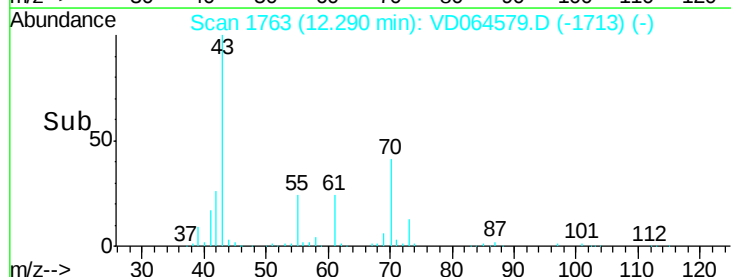
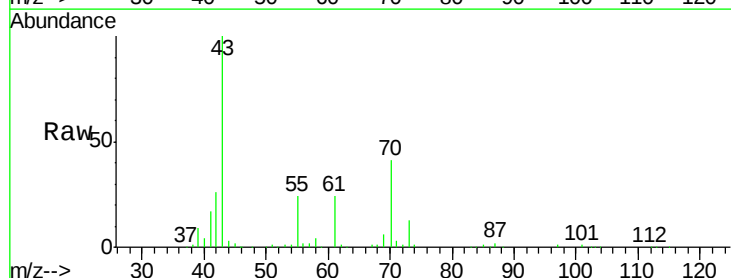
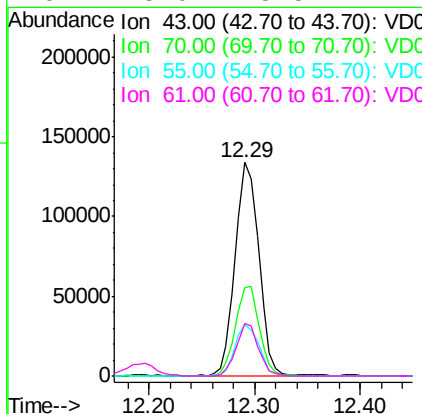
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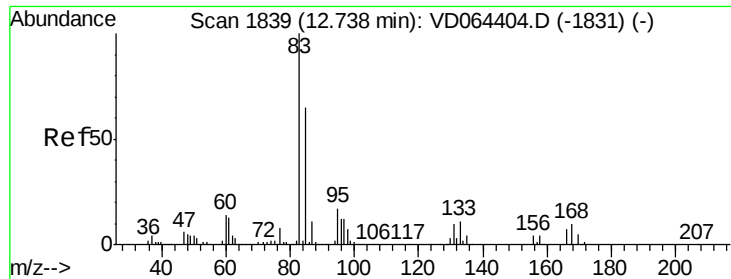
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#74
N-ethyl acetate
Concen: 47.974 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.2
55	24.2	18.9	28.3
61	23.0	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.309 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

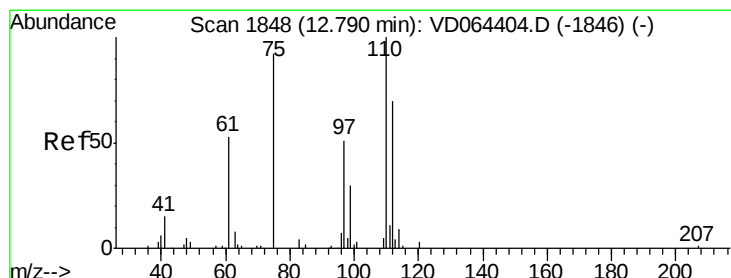
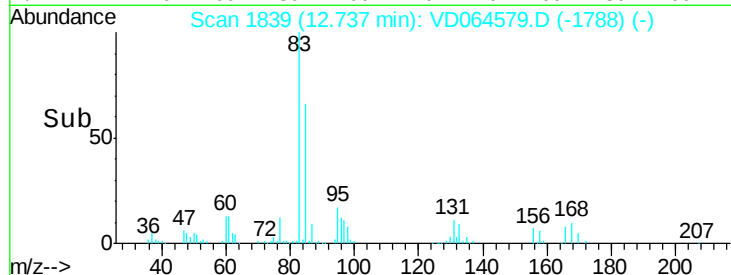
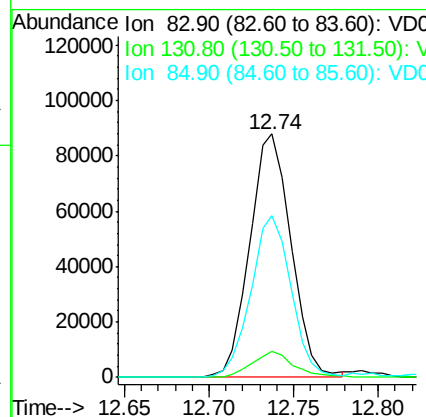
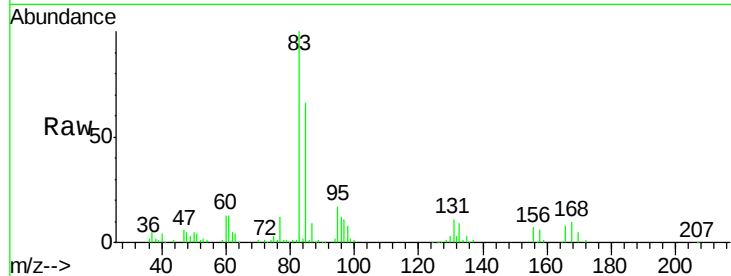
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149804
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	64.5	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 41.222 ug/l m

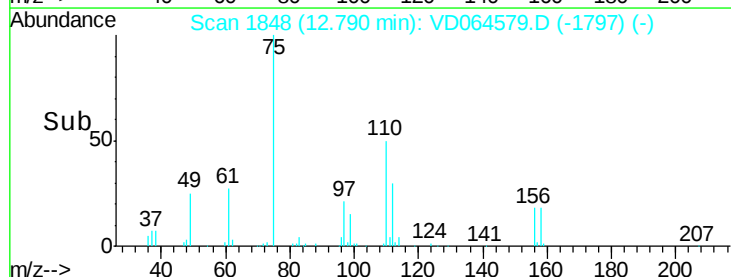
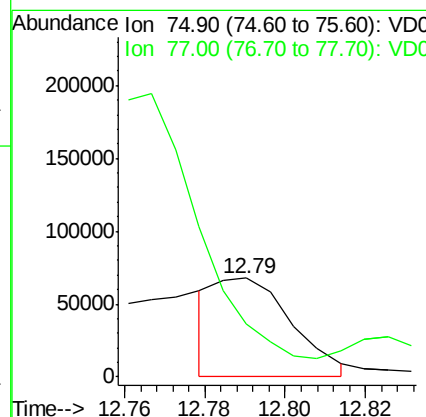
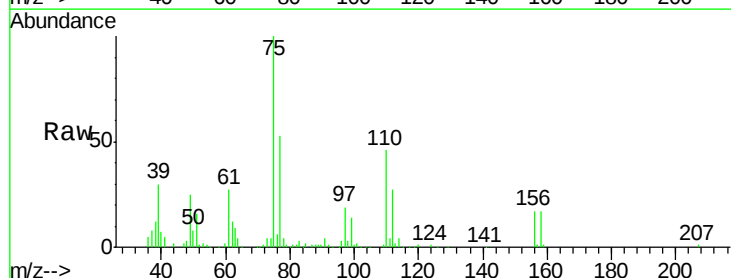
RT: 12.79 min Scan# 1848

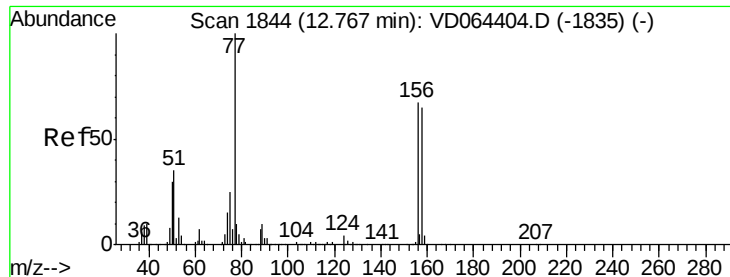
Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	75	Resp:	90254
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.013 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

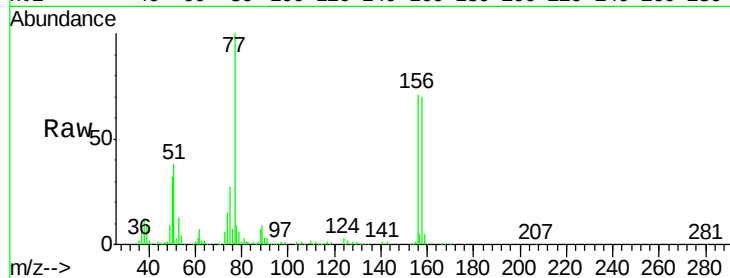
ClientSampleId :

VSTDCCC050EC

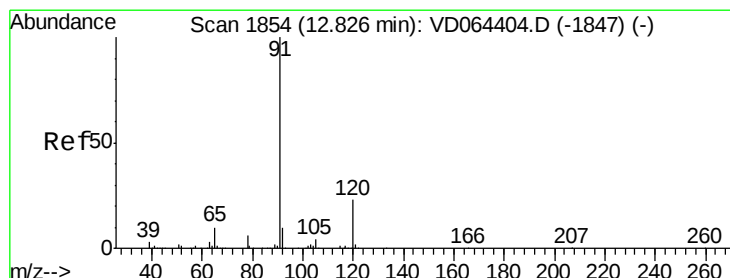
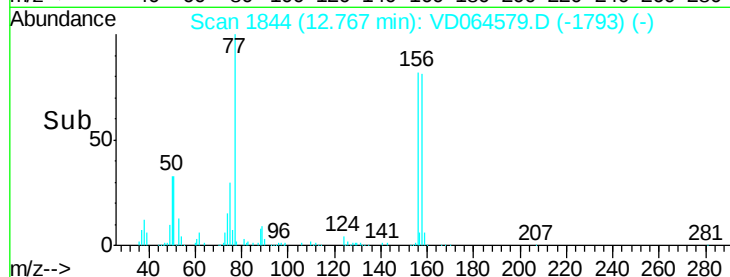
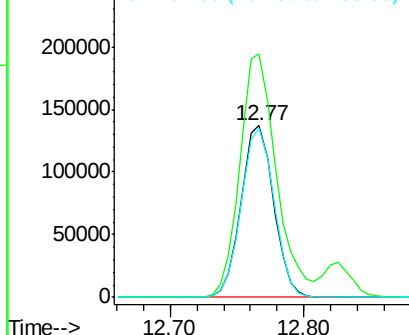
Tot Ion:	156	Resp:	231761
Ion Ratio	Lower	Upper	
156	100		
77	159.4	80.0	240.2
158	99.3	48.9	146.6

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



#78

n-propylbenzene

Concen: 49.097 ug/l

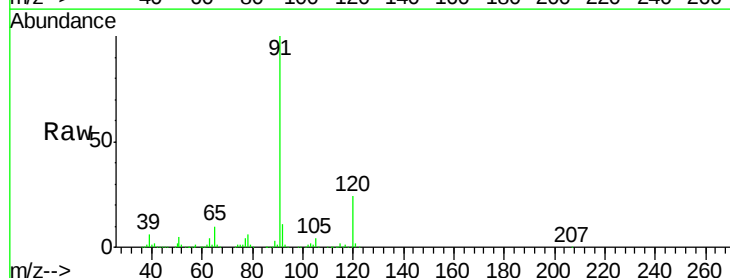
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

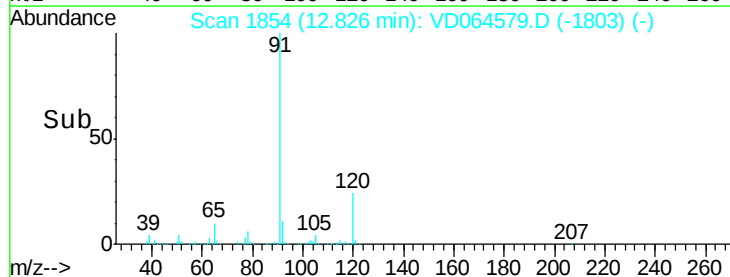
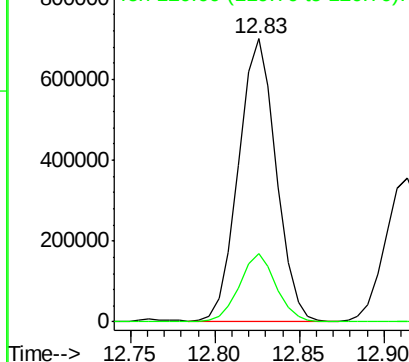
Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	91	Resp:	1084724
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.109 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 597002

Ion Ratio Lower Upper

91 100

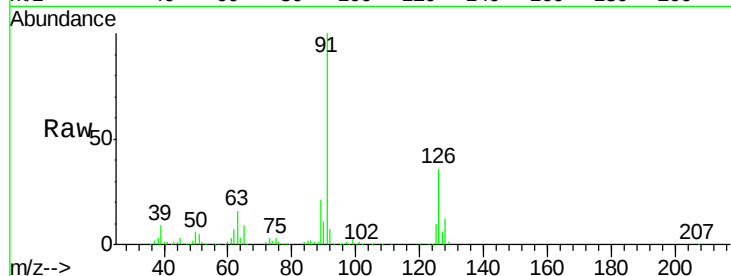
126 36.4 18.0 54.0

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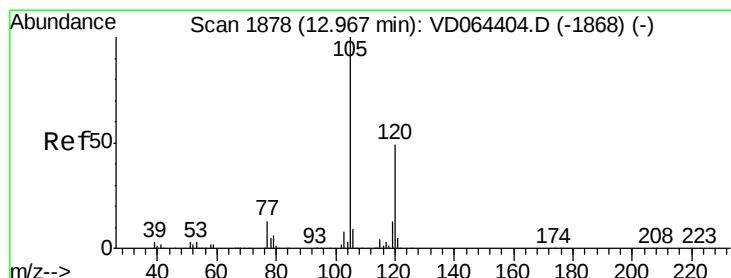
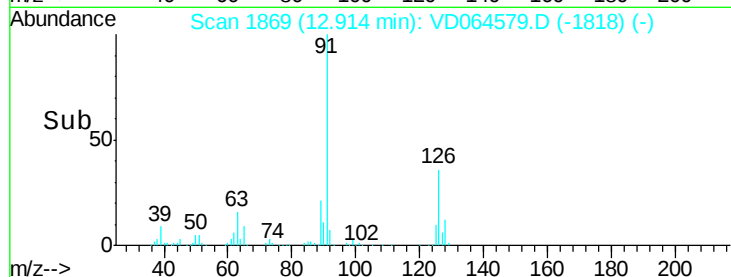
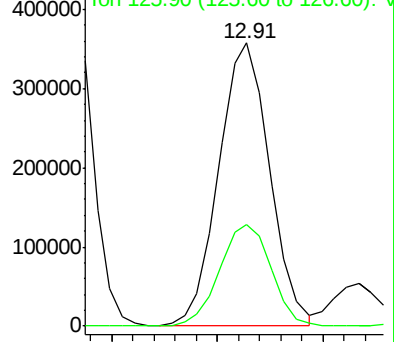
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.658 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064579.D

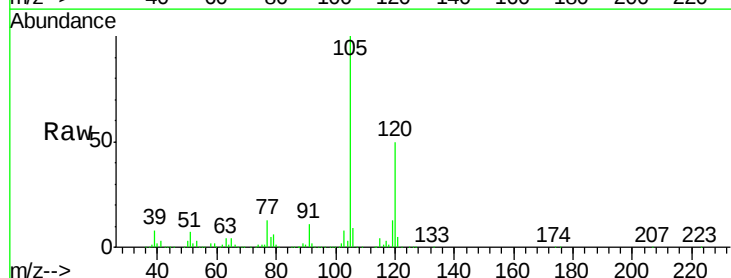
Acq: 23 Dec 2019 20:21

Tgt Ion:105 Resp: 777036

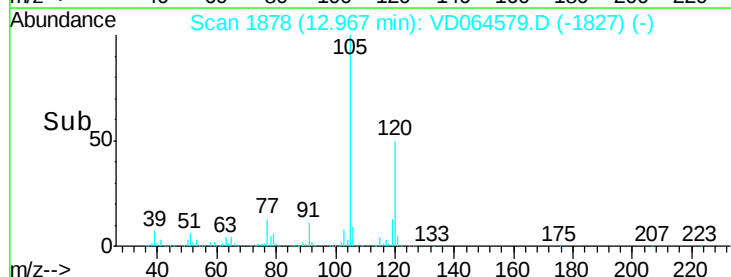
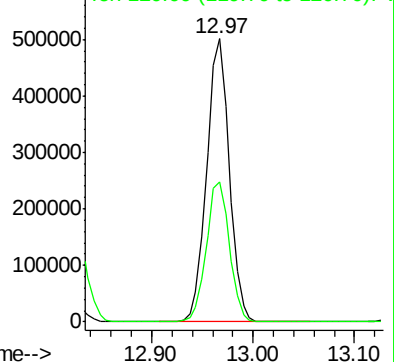
Ion Ratio Lower Upper

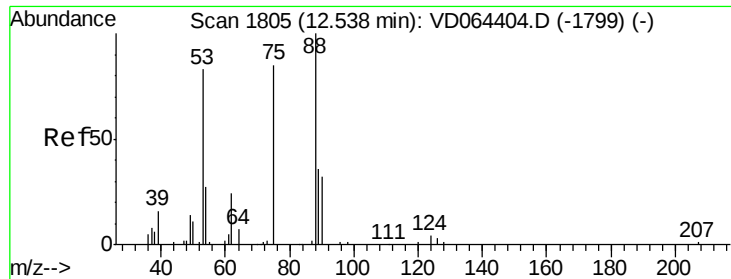
105 100

120 50.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.905 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

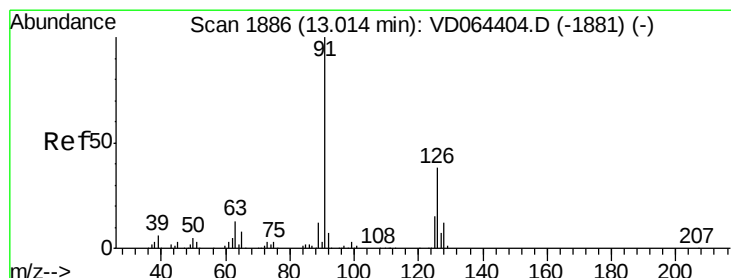
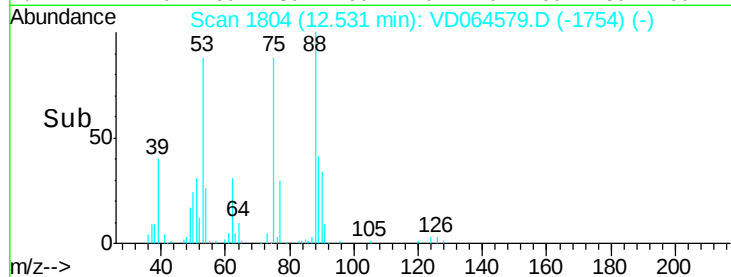
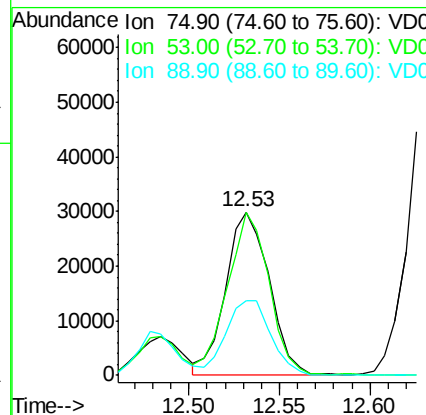
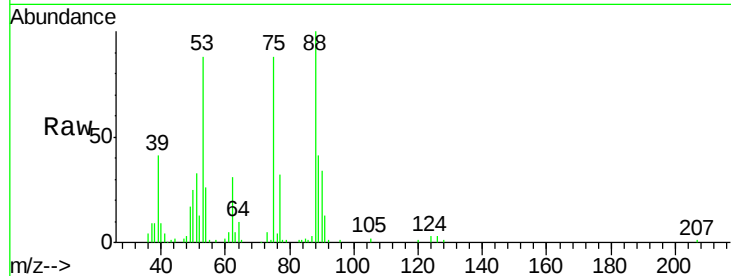
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	49106
Ion	Ratio	Lower	Upper
75	100		
53	97.1	81.0	121.6
89	47.5	38.5	57.7

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#82

4-Chlorotoluene

Concen: 49.647 ug/l

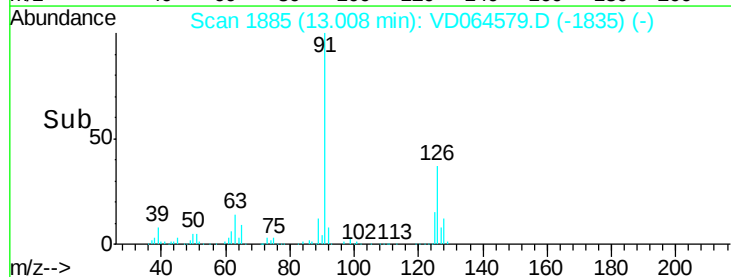
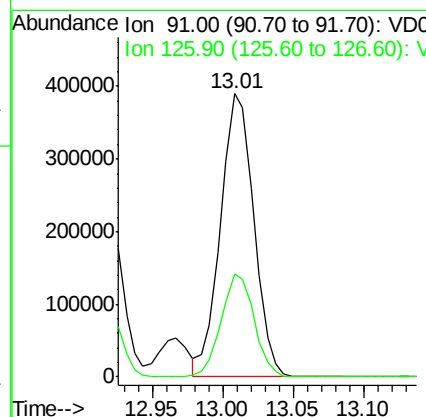
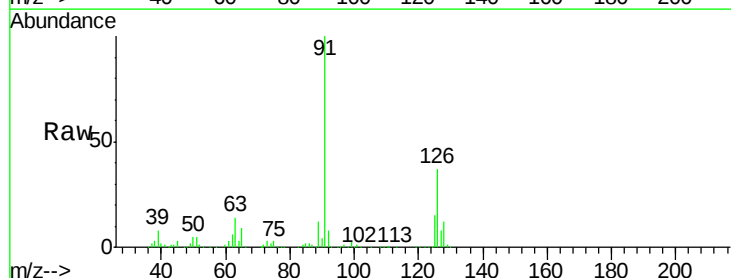
RT: 13.01 min Scan# 1885

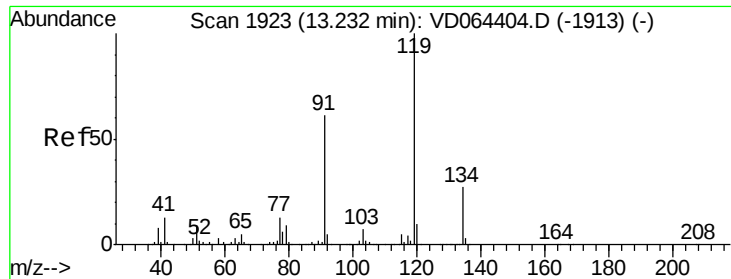
Delta R.T. -0.01 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	91	Resp:	639021
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.2	54.6





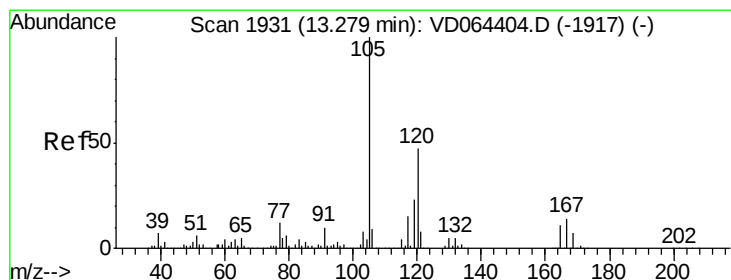
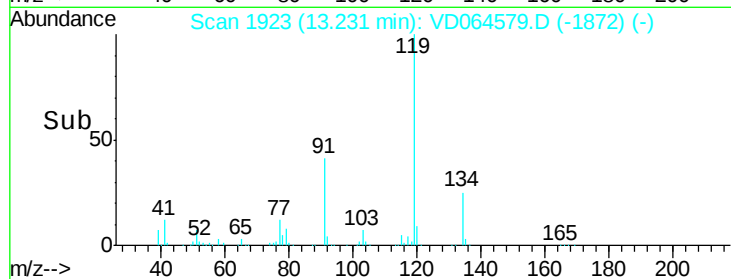
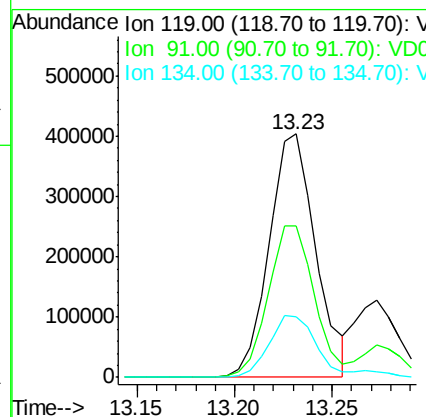
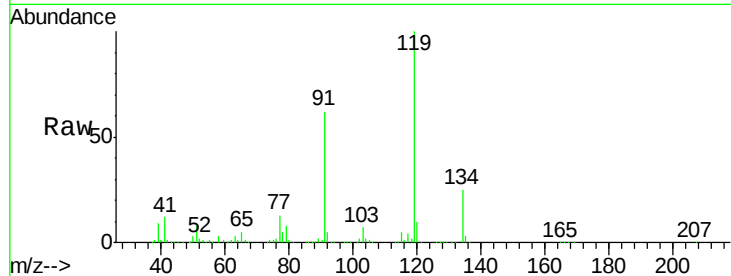
#83
tert-Butylbenzene
Concen: 49.191 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.2	93.6
134	27.3	13.9	41.7

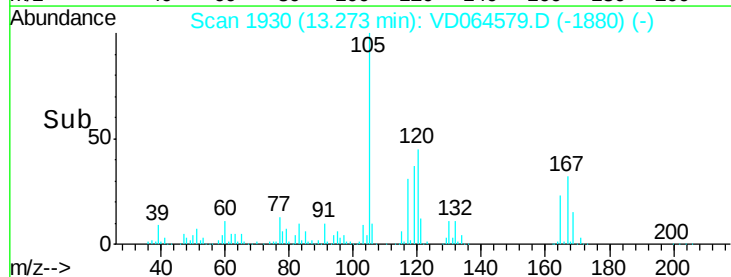
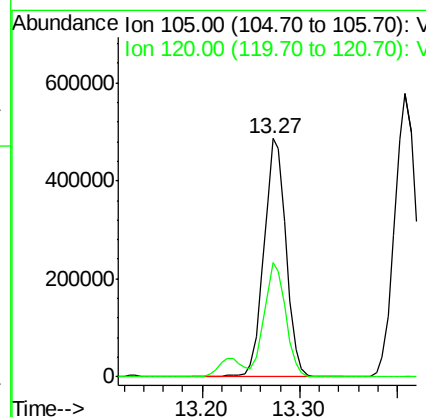
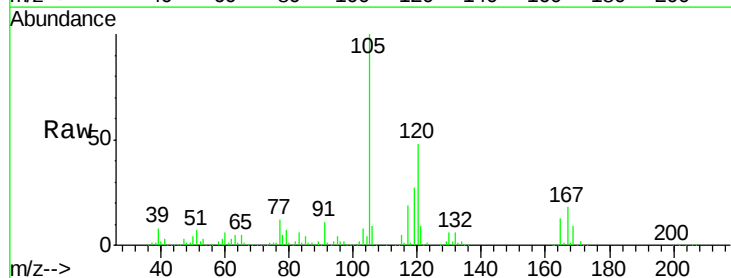
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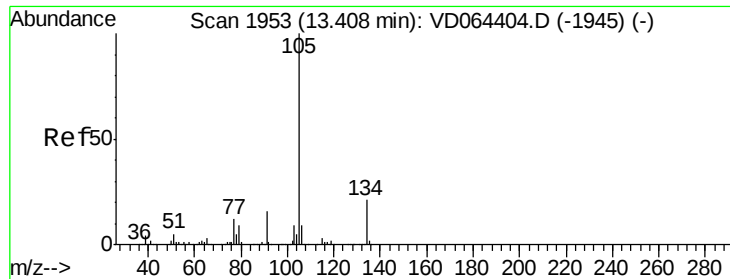
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#84
1,2,4-Trimethylbenzene
Concen: 49.294 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.6	70.8





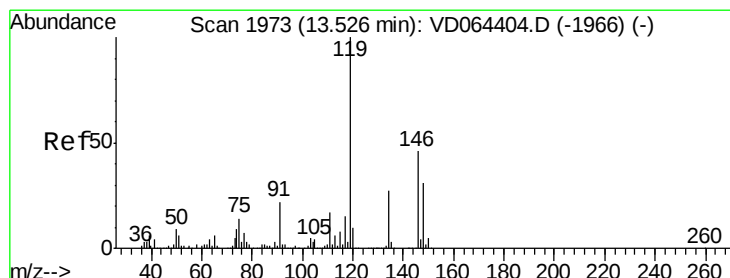
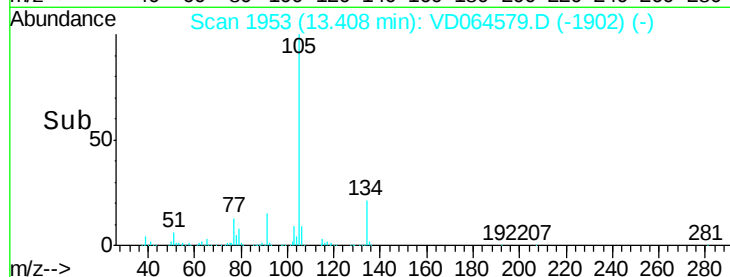
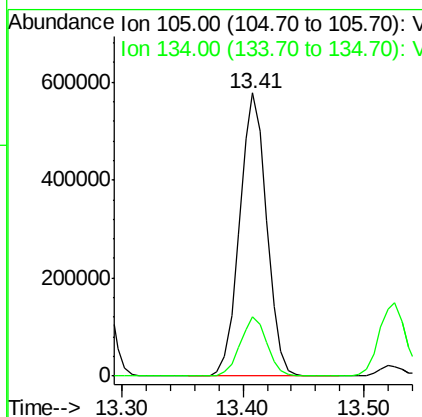
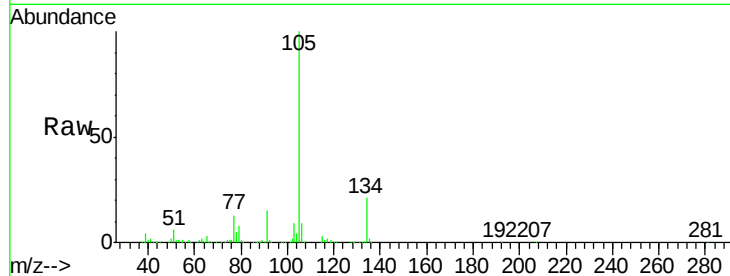
#85
 sec-Butylbenzene
 Concen: 48.208 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

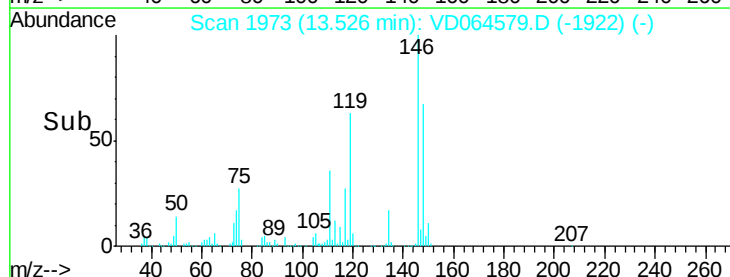
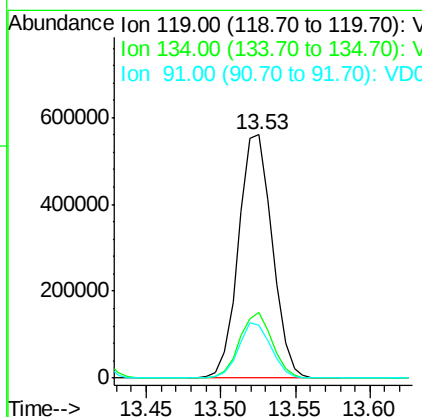
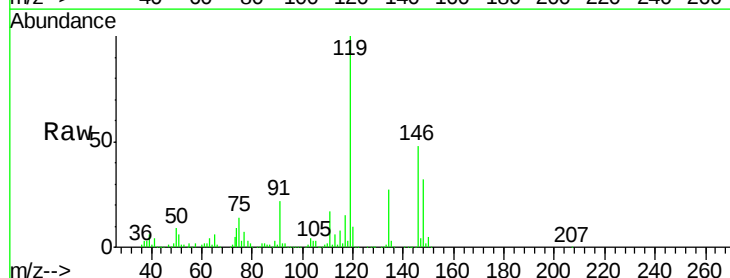
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#86
 p-Isopropyltoluene
 Concen: 49.641 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.5	40.4
91	21.9	11.2	33.5





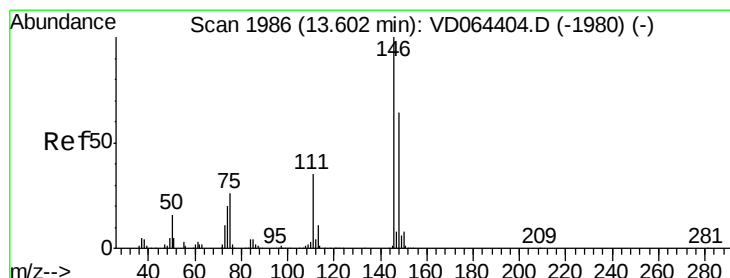
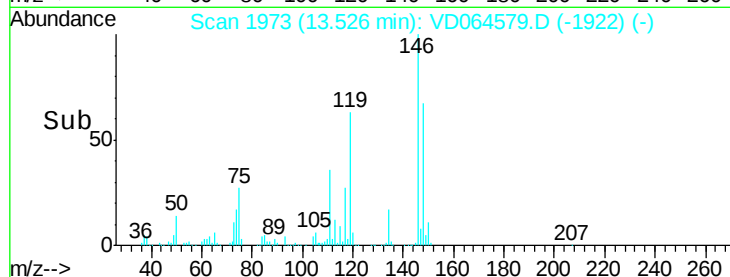
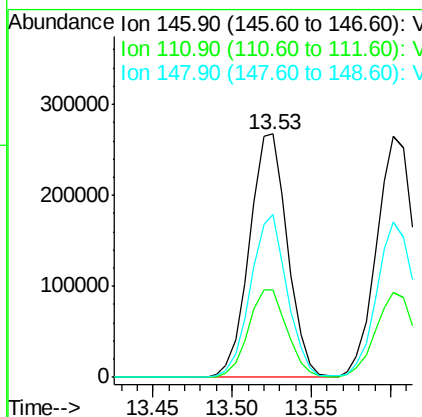
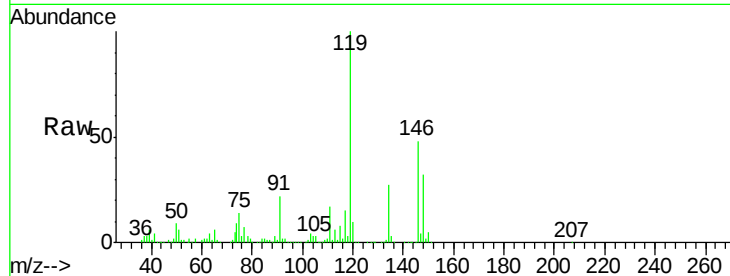
#87
 1,3-Dichlorobenzene
 Concen: 49.835 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	64.0	32.6	97.8

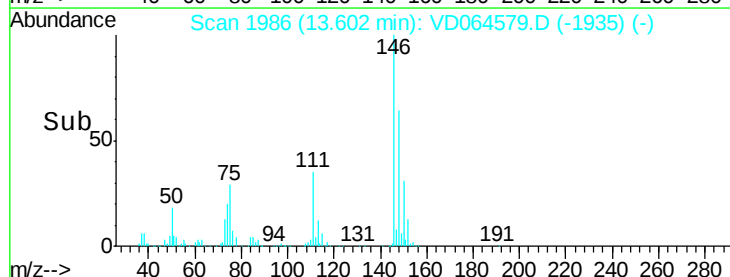
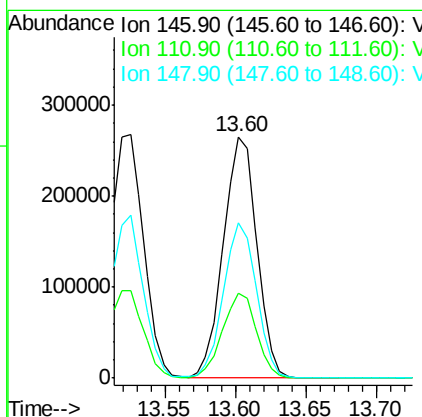
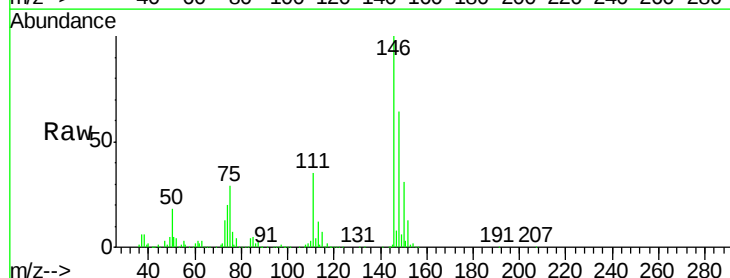
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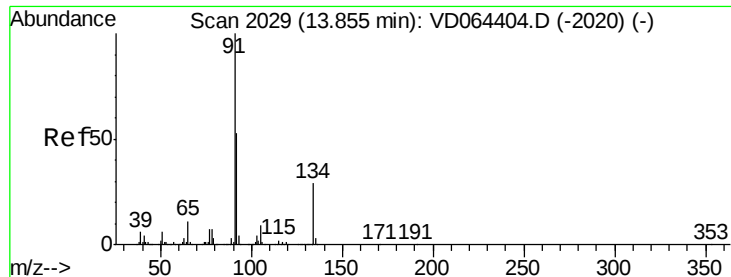
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#88
 1,4-Dichlorobenzene
 Concen: 49.526 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.2	54.6
148	63.7	31.8	95.4





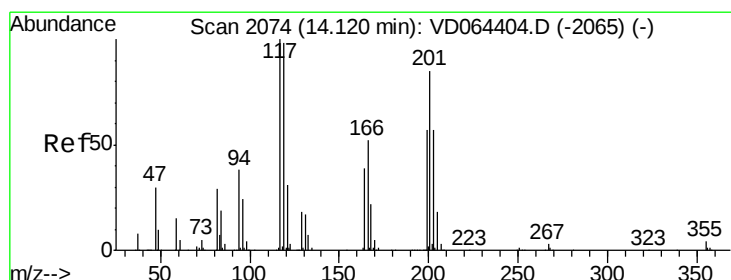
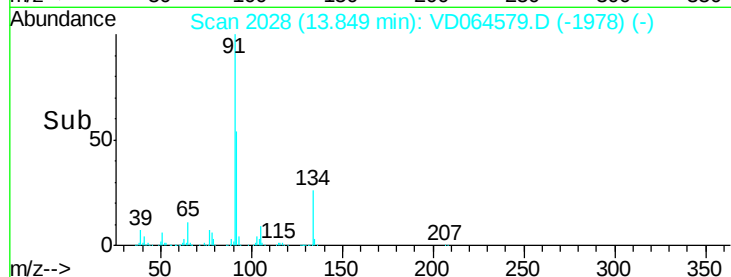
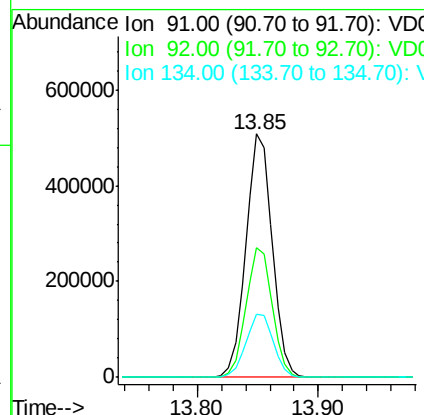
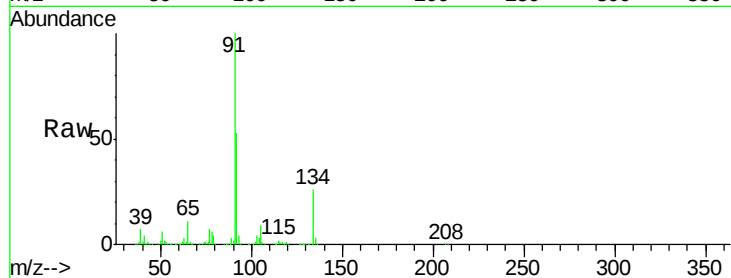
#89
n-Butylbenzene
Concen: 48.196 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.4
134	27.2	13.9	41.7

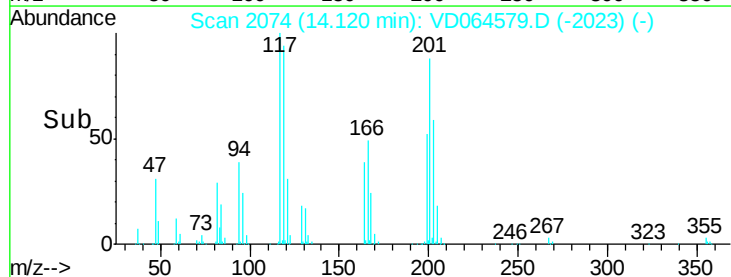
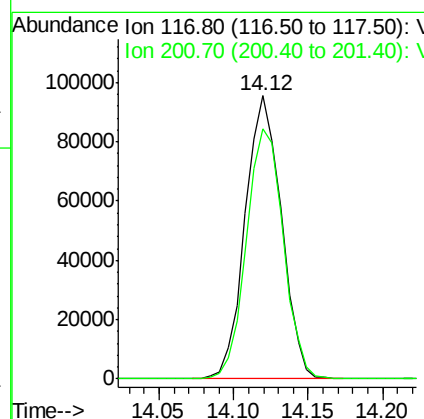
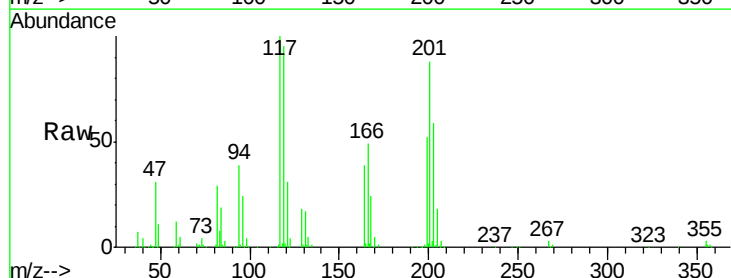
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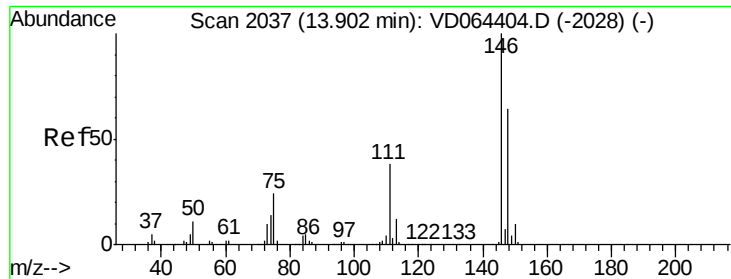
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#90
Hexachloroethane
Concen: 48.711 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064579.D
Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.3	132.8





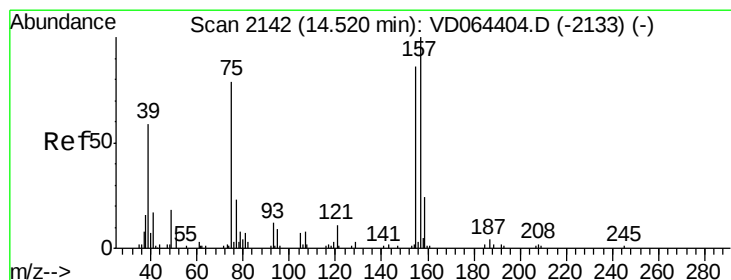
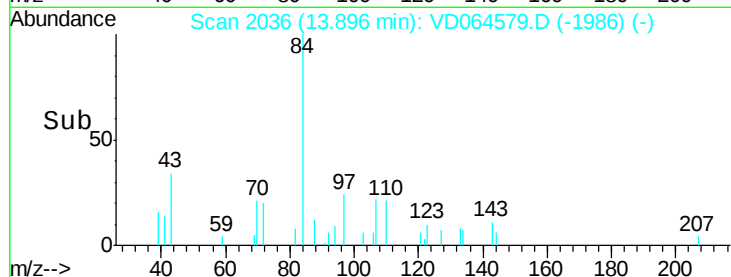
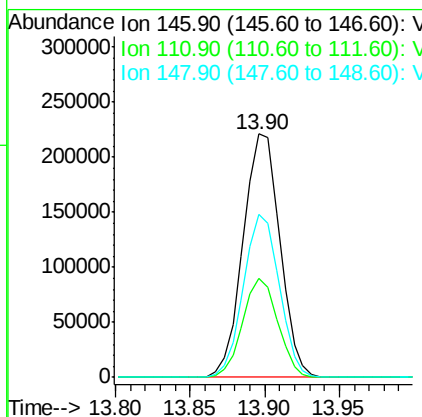
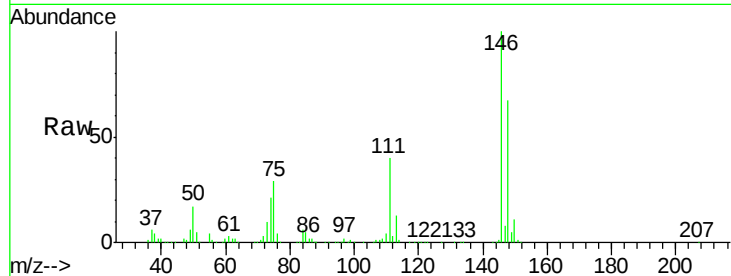
#91
 1,2-Dichlorobenzene
 Concen: 49.307 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	65.4	32.0	96.0

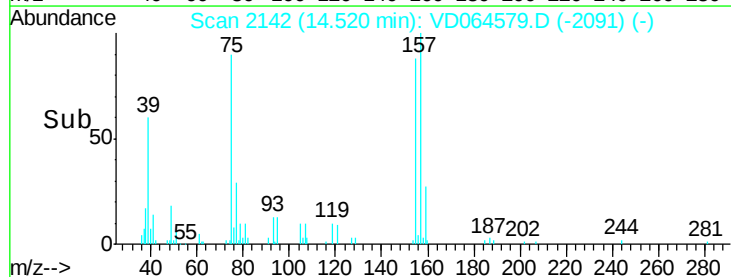
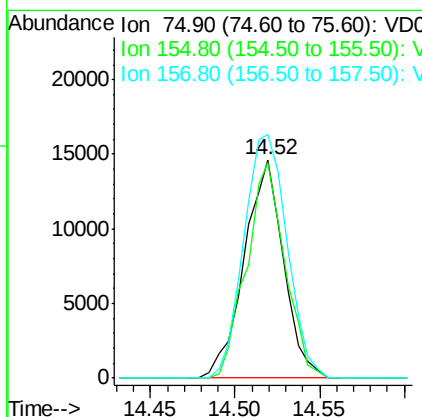
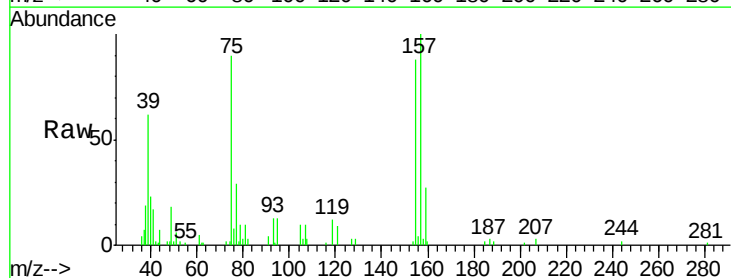
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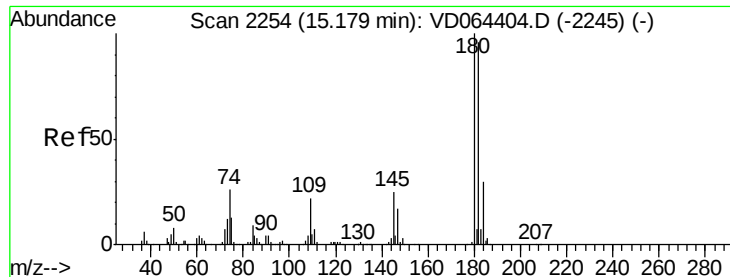
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.271 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	51.9	155.7
157	122.1	63.2	189.8





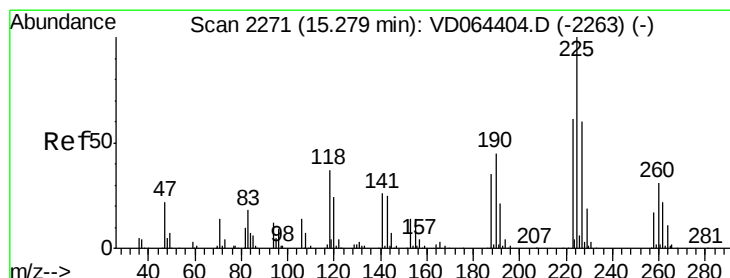
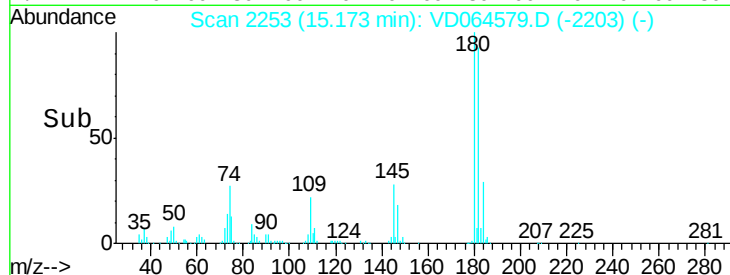
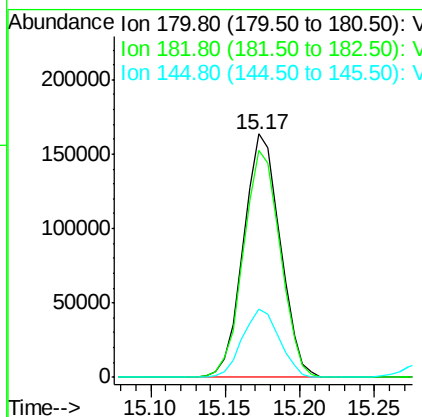
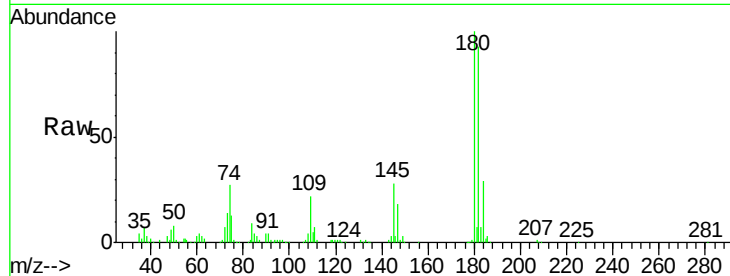
#93
 1,2,4-Trichlorobenzene
 Concen: 47.404 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.4	142.3
145	28.3	14.0	41.9

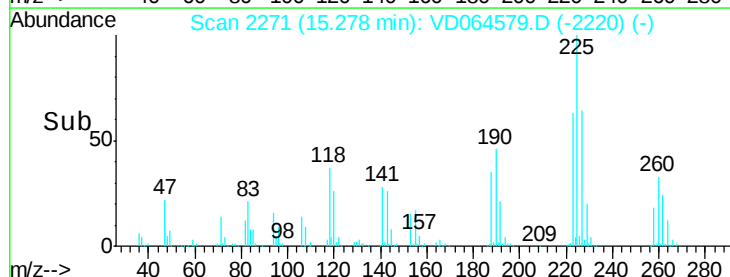
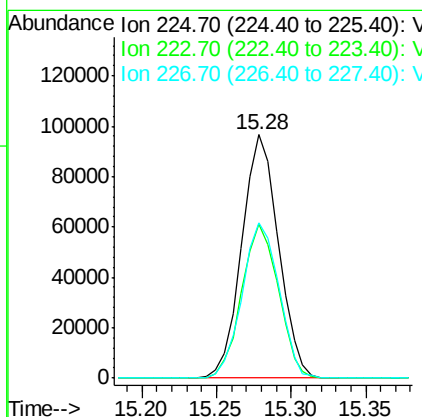
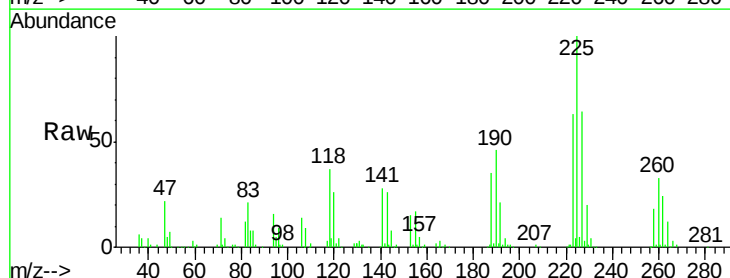
Manual Integrations
 APPROVED

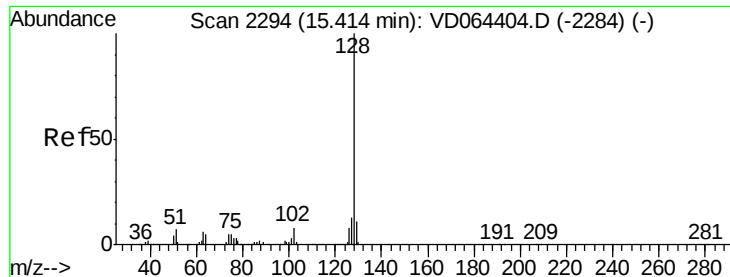
apatel
 12/24/2019 11:04:18 AM



#94
 Hexachlorobutadiene
 Concen: 45.356 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064579.D
 Acq: 23 Dec 2019 20:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	64.2	31.8	95.4





#95

Naphthalene

Concen: 45.137 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Instrument :

MSVOA_D

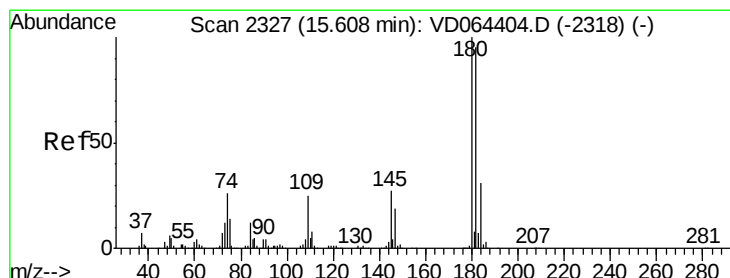
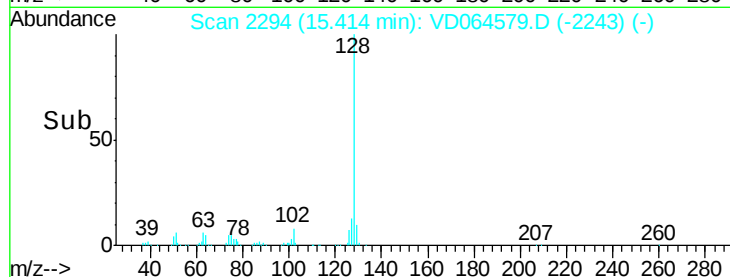
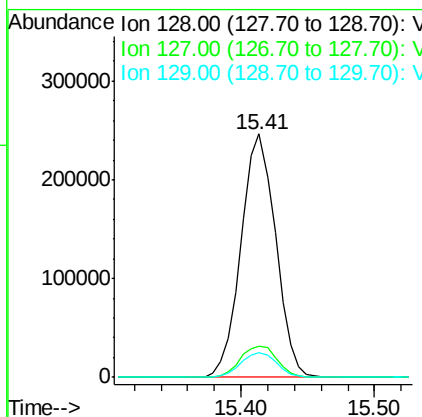
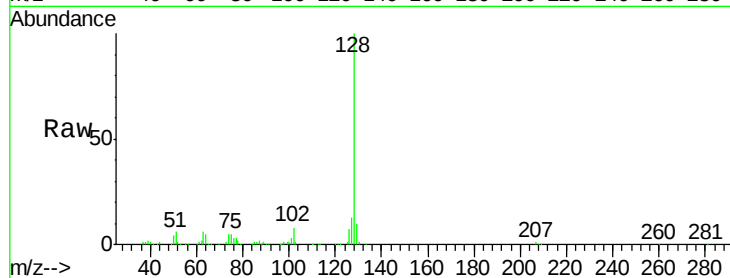
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	442484
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.5	15.7
129	10.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.003 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064579.D

Acq: 23 Dec 2019 20:21

Tgt Ion:	180	Resp:	235679
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.9
145	29.7	14.6	43.8

