

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064831.D
 Acq On : 10 Jan 2020 13:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 10 22:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	485616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	179719	52.24	ug/l	0.00
Spiked Amount						
						Recovery = 104.48%
35) Dibromofluoromethane	7.92	113	177121	51.88	ug/l	0.00
Spiked Amount						
						Recovery = 103.76%
50) Toluene-d8	10.34	98	679492	51.96	ug/l	0.00
Spiked Amount						
						Recovery = 103.92%
62) 4-Bromofluorobenzene	12.64	95	215233	52.05	ug/l	0.00
Spiked Amount						
						Recovery = 104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	141694	46.731	ug/l	98
3) Chloromethane	2.21	50	207357	48.899	ug/l	95
4) Vinyl Chloride	2.35	62	255676	49.450	ug/l	99
5) Bromomethane	2.77	94	173176	46.065	ug/l	97
6) Chloroethane	2.93	64	172690	49.846	ug/l	99
7) Trichlorofluoromethane	3.27	101	431853	49.605	ug/l	97
8) Diethyl Ether	3.71	74	83941	48.555	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	188530	52.291	ug/l	97
10) Methyl Iodide	4.29	142	209081	53.987	ug/l	100
11) Tert butyl alcohol	5.24	59	50329	255.260	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	172612	50.287	ug/l	96
13) Acrolein	3.92	56	64456	234.570	ug/l	99
14) Allyl chloride	4.71	41	284513	53.162	ug/l	100
15) Acrylonitrile	5.43	53	183360	254.634	ug/l	98
16) Acetone	4.16	43	226726	323.480	ug/l	94
17) Carbon Disulfide	4.40	76	514133	46.322	ug/l	100
18) Methyl Acetate	4.73	43	98148	50.673	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	391986	51.414	ug/l	96
20) Methylene Chloride	4.96	84	191760	54.987	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	202111	51.702	ug/l	96
22) Diisopropyl ether	6.37	45	581777	54.501	ug/l	98
23) Vinyl Acetate	6.31	43	1618879	267.351	ug/l	100
24) 1,1-Dichloroethane	6.26	63	351144	54.795	ug/l	99
25) 2-Butanone	7.22	43	262746	277.841	ug/l	97
26) 2,2-Dichloropropane	7.21	77	329219	55.256	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	223754	53.037	ug/l	97
28) Bromochloromethane	7.55	49	132816	53.317	ug/l	100
29) Tetrahydrofuran	7.57	42	149819	254.756	ug/l	98
30) Chloroform	7.71	83	366954	54.579	ug/l	99
31) Cyclohexane	7.98	56	321756	50.159	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	344523	54.556	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287333	53.642	ug/l	99
37) Ethyl Acetate	7.30	43	107696	51.179	ug/l	98
38) Carbon Tetrachloride	8.10	117	312059	54.636	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	342772	52.834	ug/l	99
40) Benzene	8.35	78	783212	53.562	ug/l	100
41) Methacrylonitrile	7.56	41	153964	126.105	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	227777	53.904	ug/l	98
43) Isopropyl Acetate	8.46	43	218443	52.154	ug/l	99
44) Trichloroethene	9.11	130	231613	53.918	ug/l	95
45) 1,2-Dichloropropane	9.39	63	189754	54.350	ug/l	99
46) Dibromomethane	9.48	93	101365	52.074	ug/l	99
47) Bromodichloromethane	9.66	83	281697	54.385	ug/l	98
48) Methyl methacrylate	9.46	41	101134	51.281	ug/l	95
49) 1,4-Dioxane	9.47	88	23551	1049.275	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	540886	261.265	ug/l	100
52) Toluene	10.41	92	515961	53.782	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	262787	54.417	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	308599	54.195	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	135067	51.487	ug/l	95
56) Ethyl methacrylate	10.66	69	174667	53.314	ug/l	100
57) 1,3-Dichloropropane	10.95	76	239876	53.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	292431	234.283	ug/l	99
59) 2-Hexanone	10.99	43	404208	287.666	ug/l	99
60) Dibromochloromethane	11.14	129	192233	52.991	ug/l	99
61) 1,2-Dibromoethane	11.25	107	133030	51.414	ug/l	99
64) Tetrachloroethene	10.88	164	201871	54.185	ug/l	98
65) Chlorobenzene	11.67	112	536925	53.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209279	55.079	ug/l	98
67) Ethyl Benzene	11.75	91	999439	54.633	ug/l	98
68) m/p-Xylenes	11.86	106	781957	110.743	ug/l	97
69) o-Xylene	12.18	106	351550	55.120	ug/l	97
70) Styrene	12.20	104	617051	55.119	ug/l	99
71) Bromoform	12.36	173	112934	52.120	ug/l	99
73) Isopropylbenzene	12.48	105	971442	56.050	ug/l	98
74) N-amyl acetate	12.30	43	196765	53.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	142363	52.289	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	196977	102.852	ug/l #	100
77) Bromobenzene	12.77	156	224517	52.721	ug/l	99
78) n-propylbenzene	12.83	91	1129818	55.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	608155	54.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	774352	54.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	48733	53.220	ug/l	97
82) 4-Chlorotoluene	13.01	91	652410	55.194	ug/l	99
83) tert-Butylbenzene	13.23	119	685174	55.429	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	790515	55.752	ug/l	97
85) sec-Butylbenzene	13.41	105	946670	55.862	ug/l	100
86) p-Isopropyltoluene	13.53	119	903535	55.759	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	436202	53.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	420639	52.743	ug/l	99
89) n-Butylbenzene	13.85	91	822953	56.396	ug/l	99
90) Hexachloroethane	14.12	117	167213	54.021	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	363585	52.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21822	49.442	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

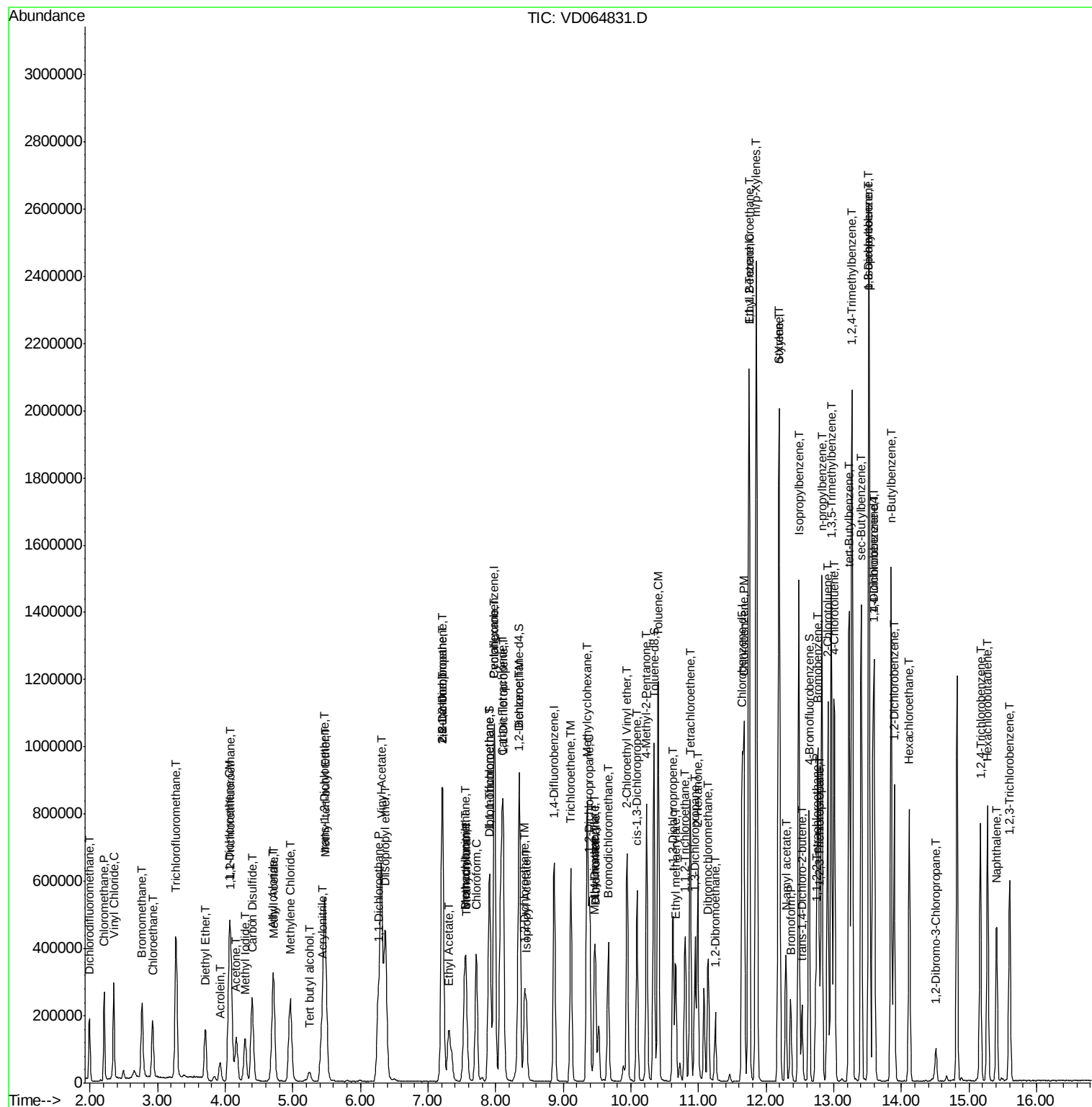
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	256183	50.260	ug/l	99
94) Hexachlorobutadiene	15.28	225	164682	51.343	ug/l	99
95) Naphthalene	15.41	128	410266	50.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	221930	51.001	ug/l	98

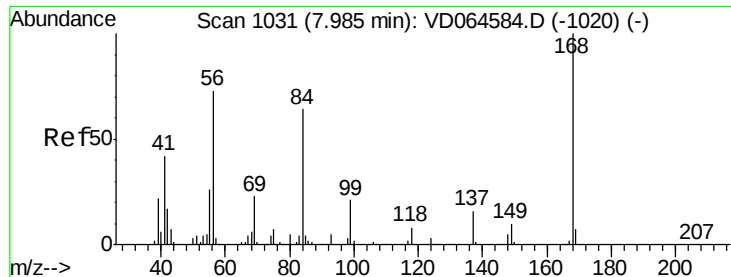
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

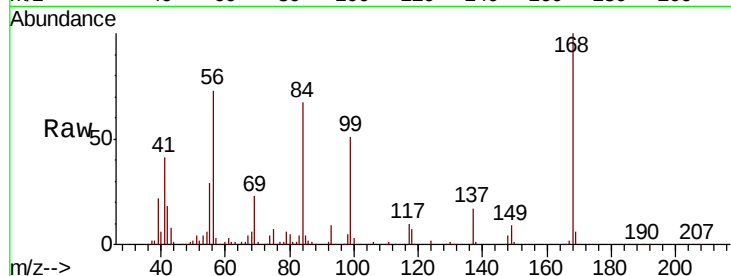
VSTDCCC050

Tot Ion:168 Resp: 390156

Ion Ratio Lower Upper

168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

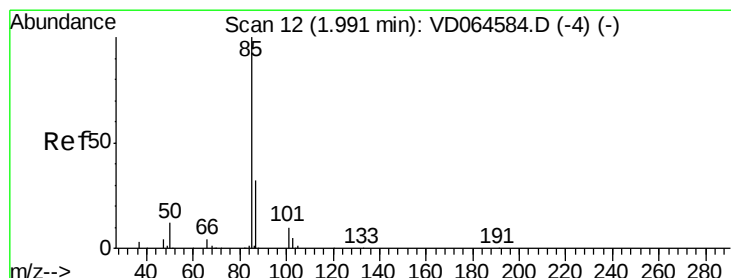
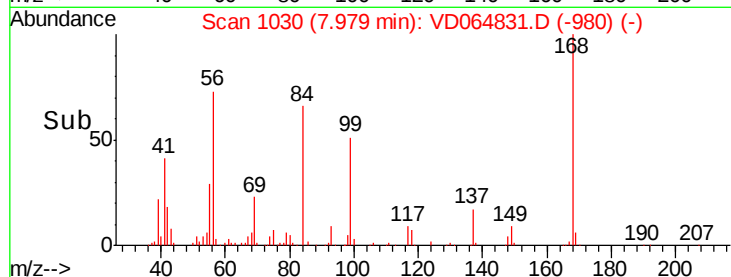
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.731 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064831.D

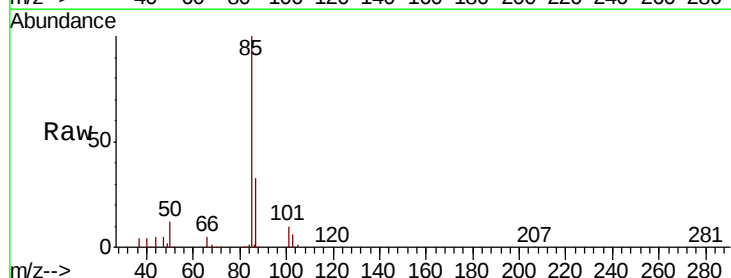
Acq: 10 Jan 2020 13:20

Tgt Ion: 85 Resp: 141694

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

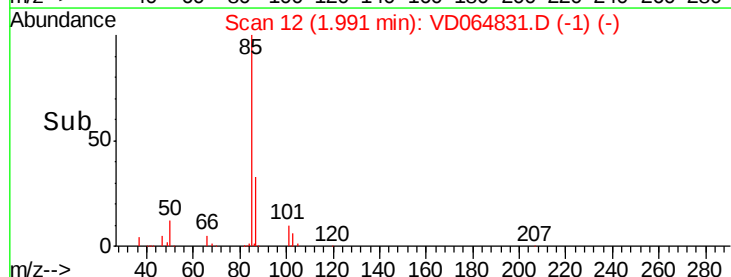
40000

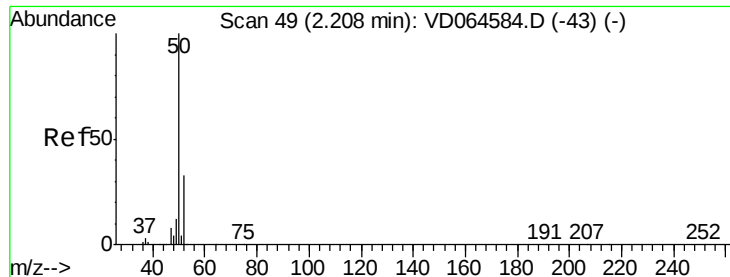
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.899 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

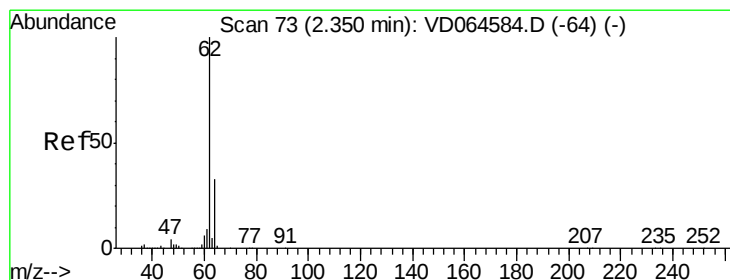
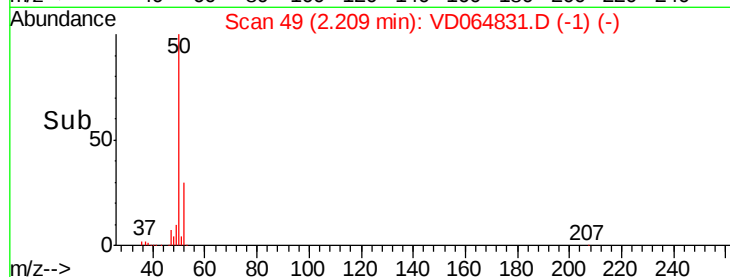
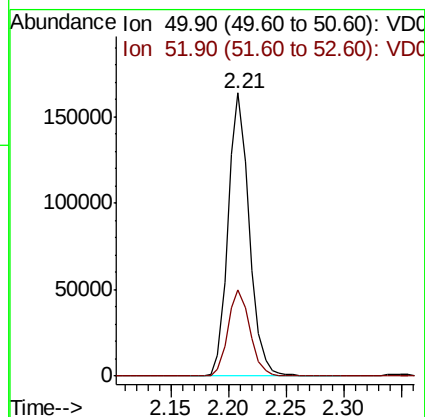
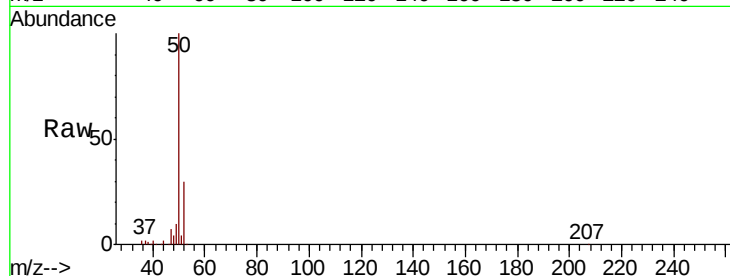
VSTDCCC050

Tot Ion: 50 Resp: 207357

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7



#4

Vinyl Chloride

Concen: 49.450 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064831.D

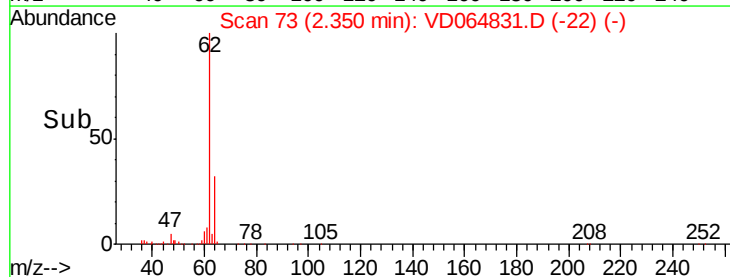
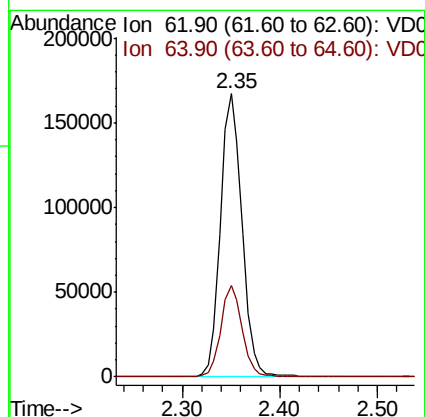
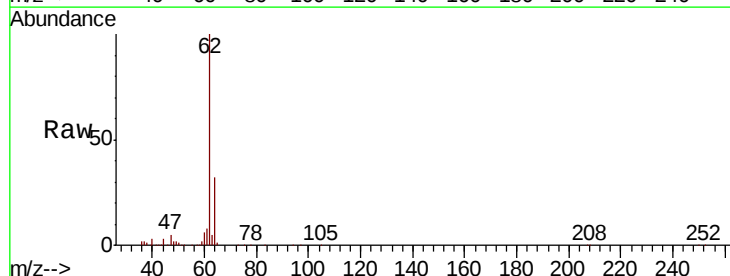
Acq: 10 Jan 2020 13:20

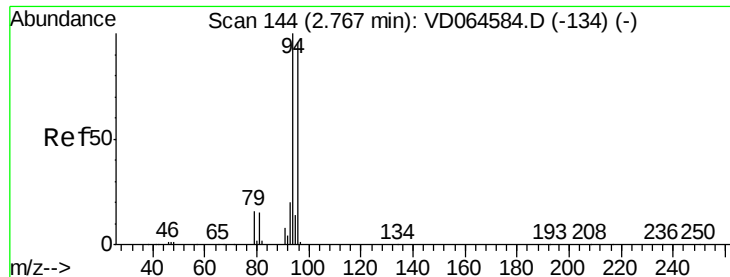
Tgt Ion: 62 Resp: 255676

Ion Ratio Lower Upper

62 100

64 32.5 26.6 40.0





#5

Bromomethane

Concen: 46.065 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

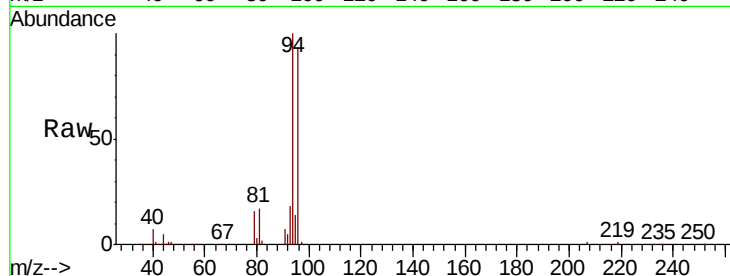
VSTDCCC050

Tot Ion: 94 Resp: 173176

Ion Ratio Lower Upper

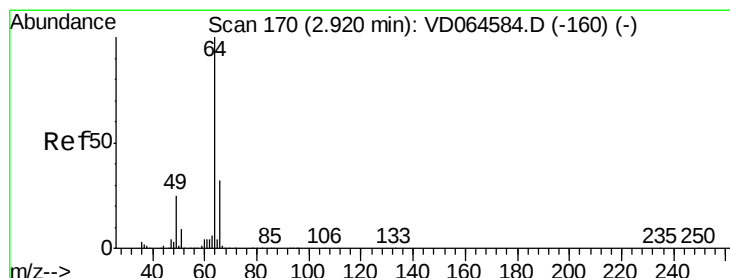
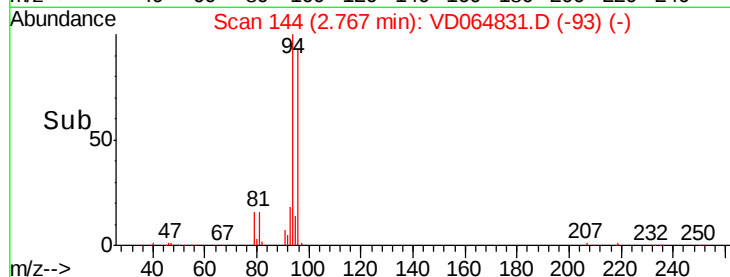
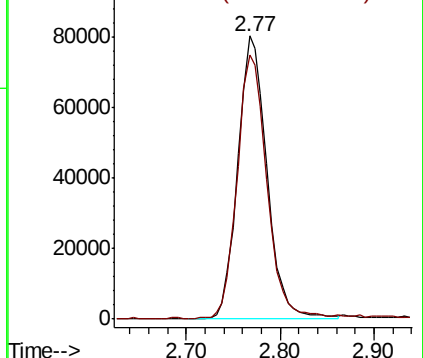
94 100

96 93.3 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.846 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064831.D

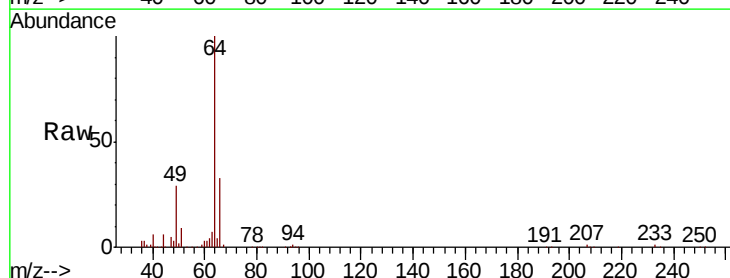
Acq: 10 Jan 2020 13:20

Tgt Ion: 64 Resp: 172690

Ion Ratio Lower Upper

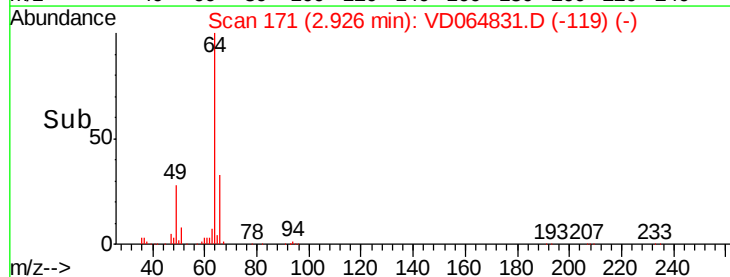
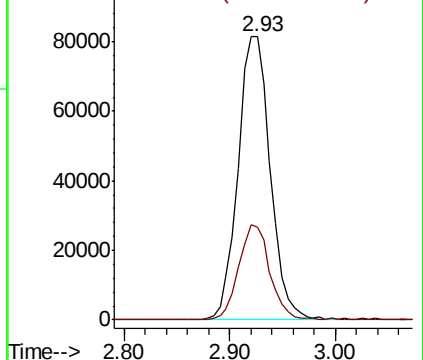
64 100

66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



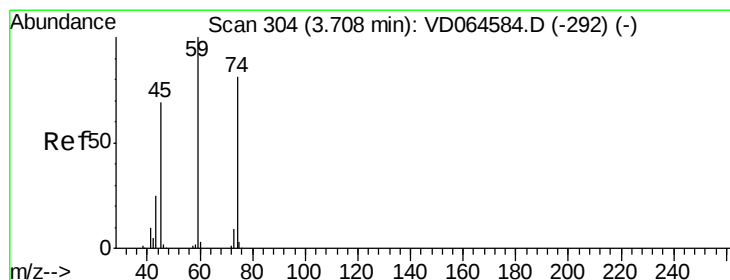
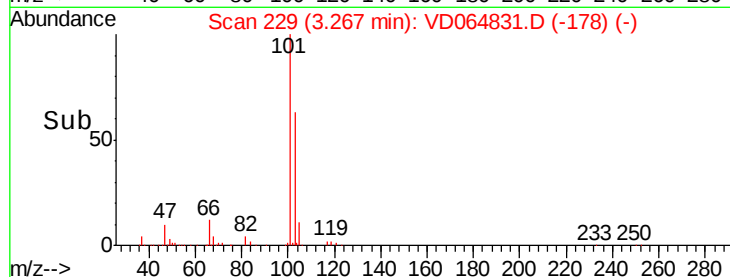
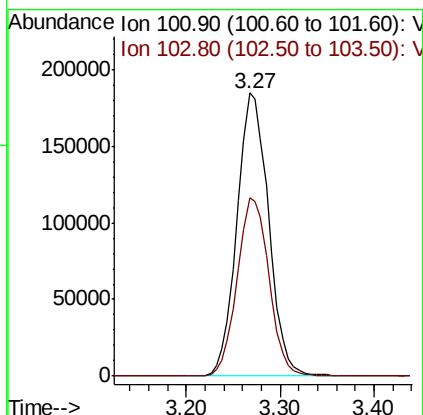
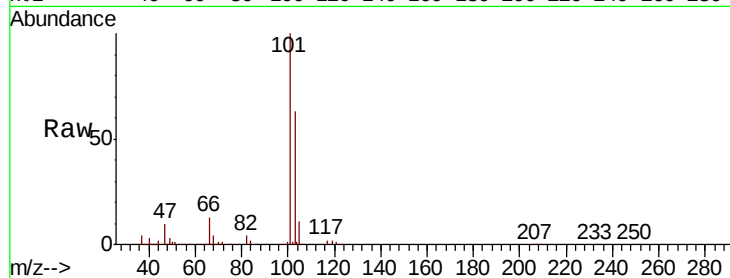


#7

Trichlorofluoromethane
 Concen: 49.605 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

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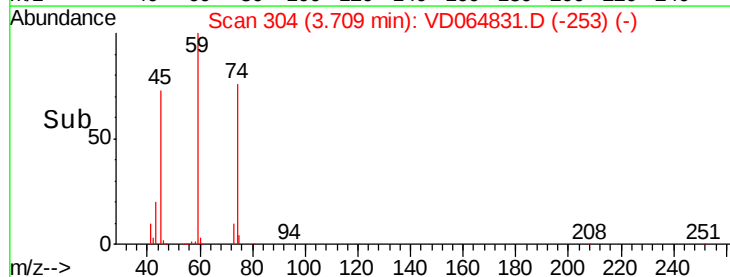
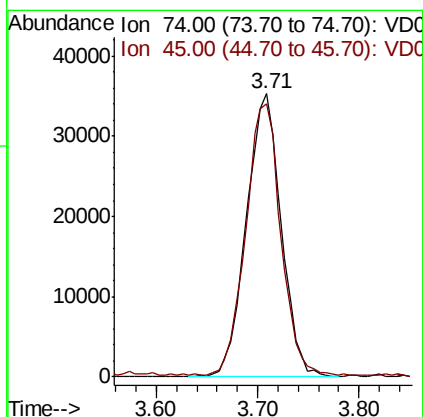
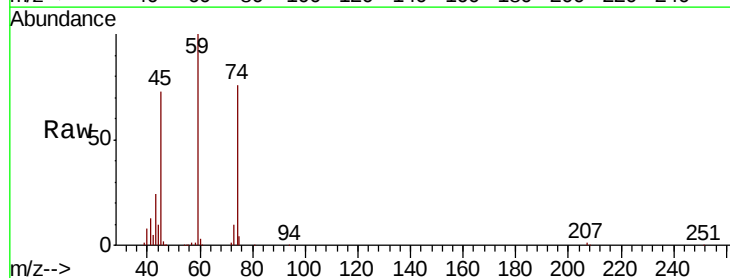
Tot Ion:101 Resp: 431853
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.2 78.4

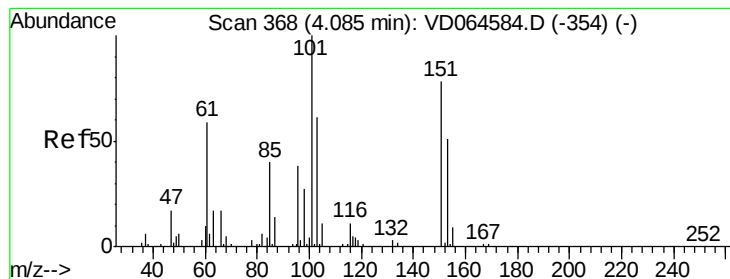


#8

Diethyl Ether
 Concen: 48.555 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion: 74 Resp: 83941
 Ion Ratio Lower Upper
 74 100
 45 96.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.291 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

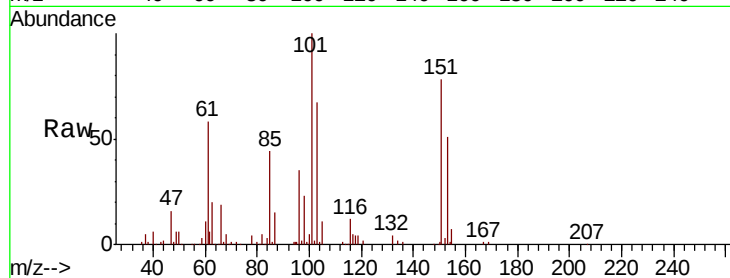
Tot Ion:101 Resp: 188530

Ion Ratio Lower Upper

101 100

85 44.8 35.2 52.8

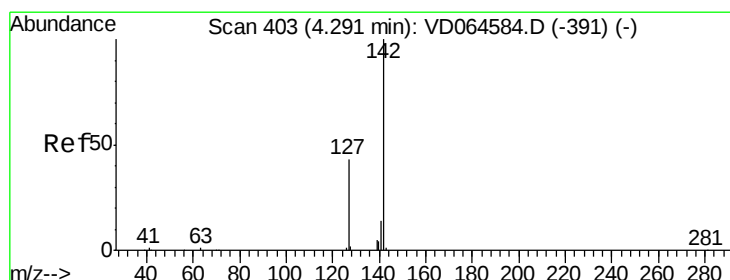
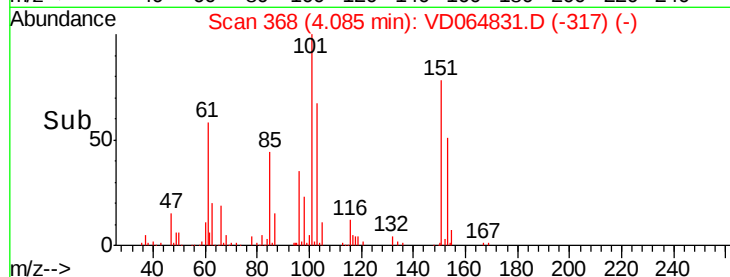
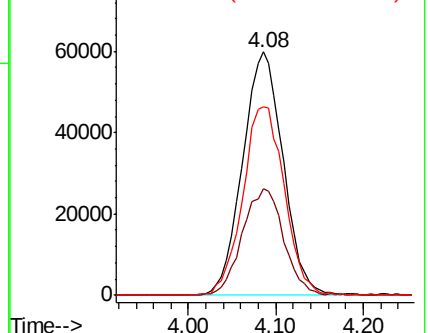
151 79.7 66.2 99.4



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: 53.987 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

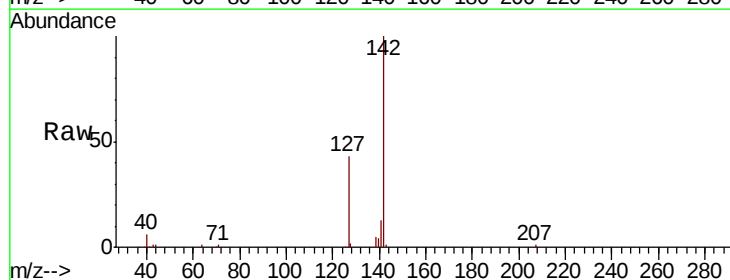
Tgt Ion:142 Resp: 209081

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.4

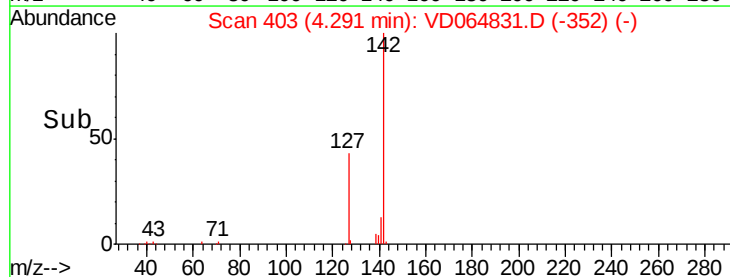
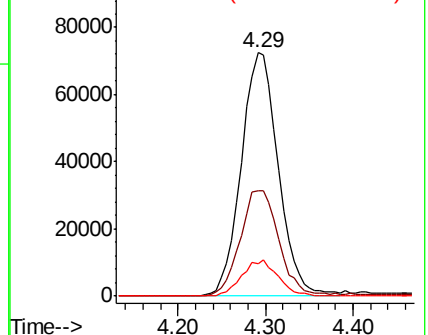
141 14.5 11.8 17.8

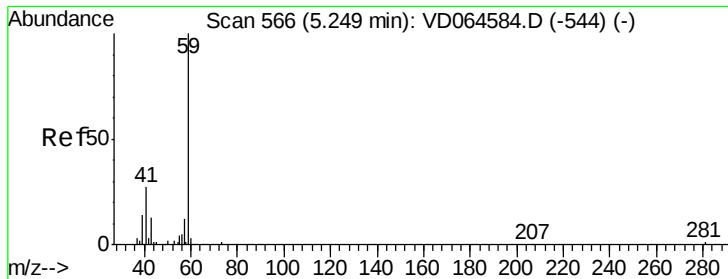


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

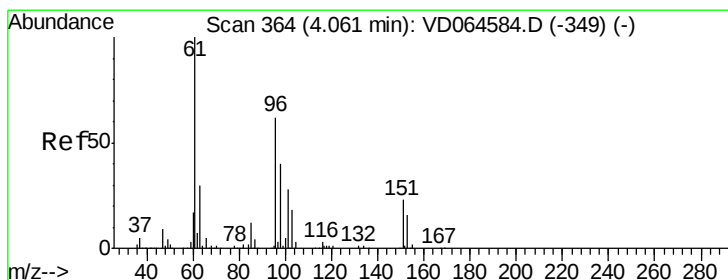
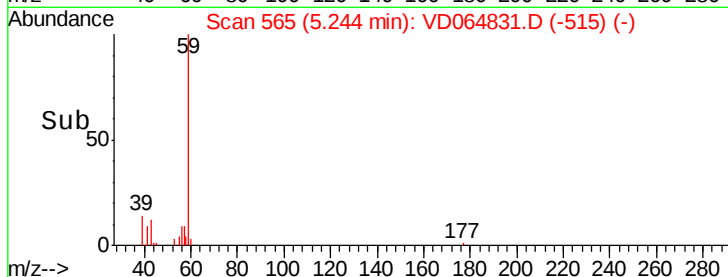
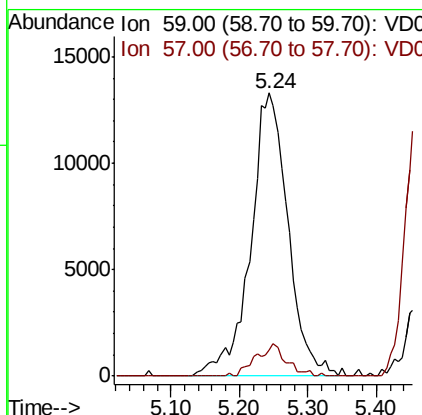
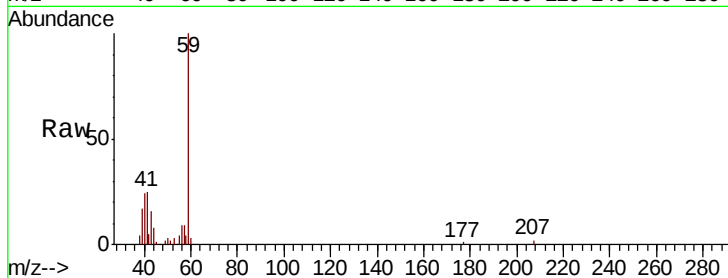




#11
Tert butyl alcohol
Concen: 255.260 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

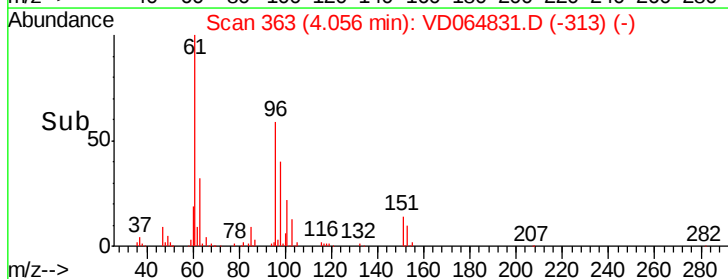
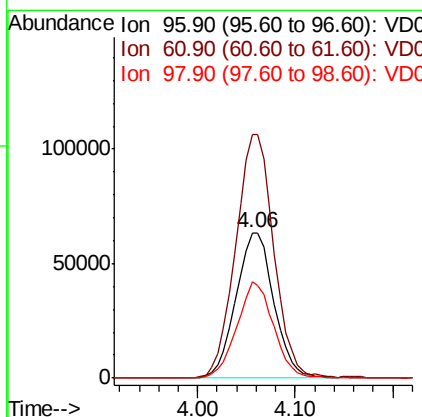
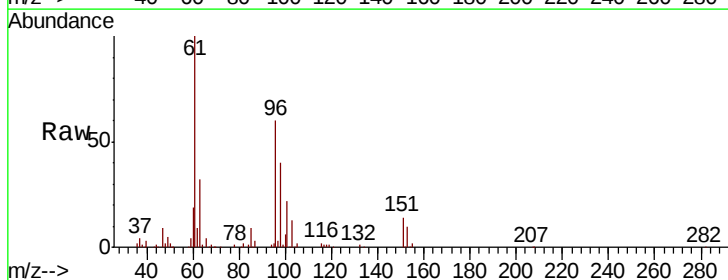
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

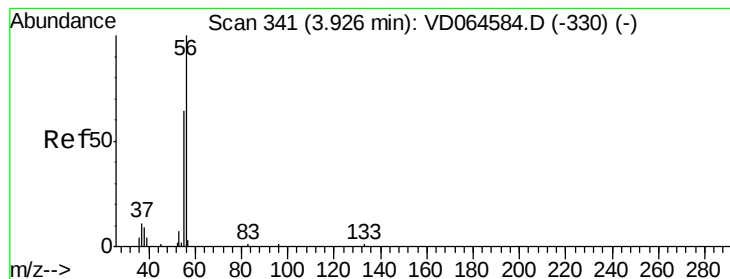
Tot Ion: 59 Resp: 50329
Ion Ratio Lower Upper
59 100
57 6.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 50.287 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 96 Resp: 172612
Ion Ratio Lower Upper
96 100
61 166.8 129.4 194.0
98 66.4 51.4 77.0





#13

Acrolein

Concen: 234.570 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

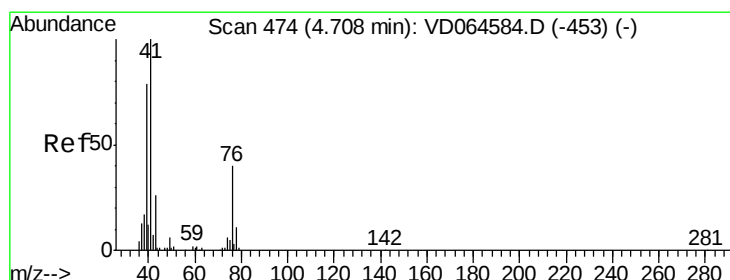
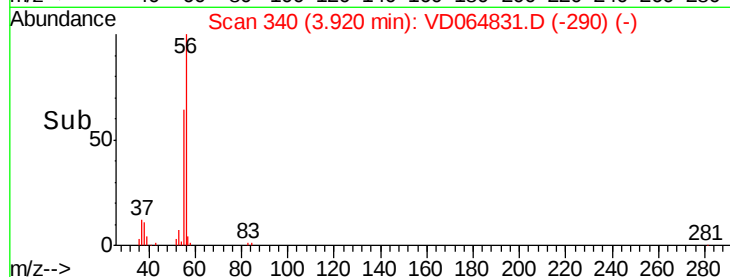
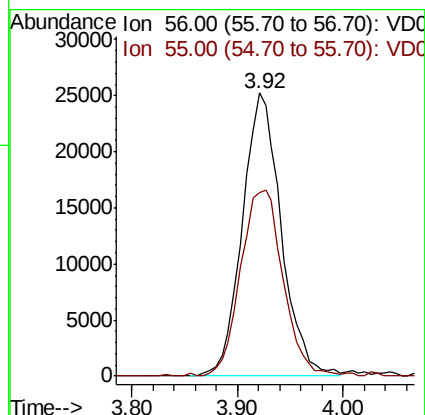
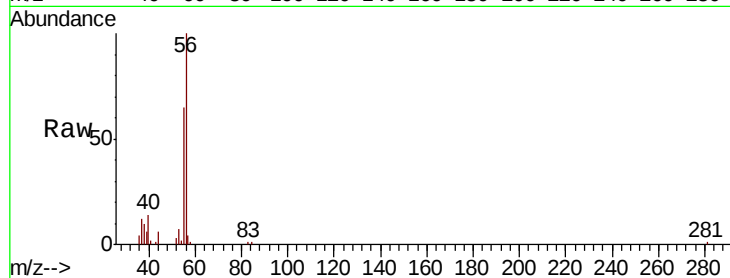
VSTDCCC050

Tot Ion: 56 Resp: 64456

Ion Ratio Lower Upper

56 100

55 71.9 56.7 85.1



#14

Allyl chloride

Concen: 53.162 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

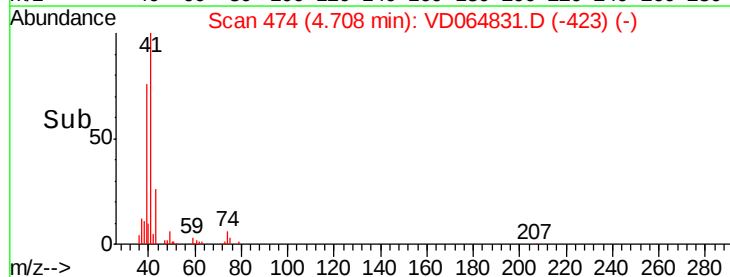
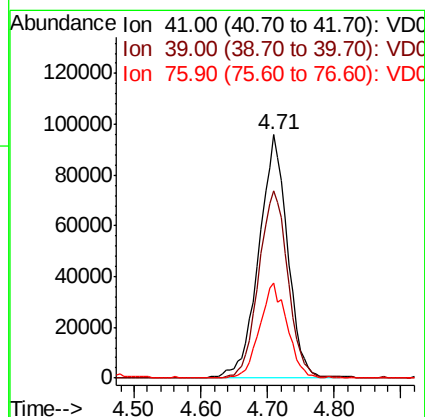
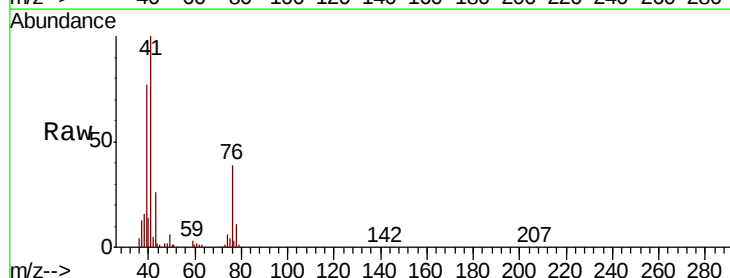
Tgt Ion: 41 Resp: 284513

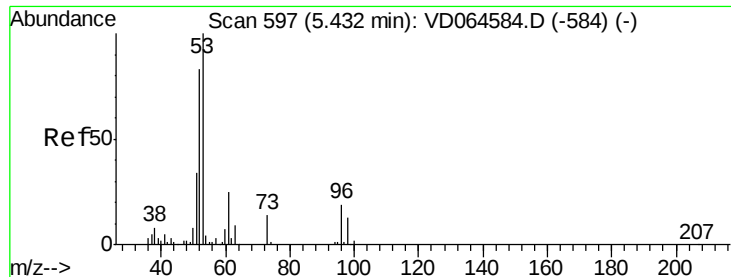
Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 254.634 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

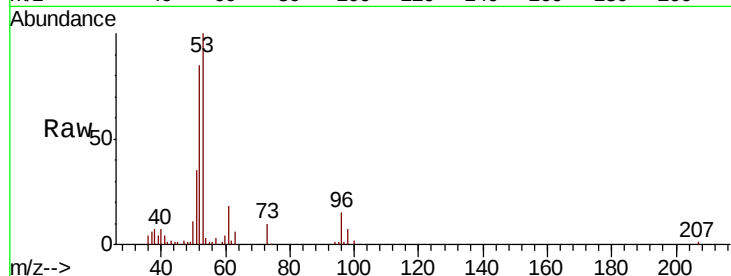
Tot Ion: 53 Resp: 183360

Ion Ratio Lower Upper

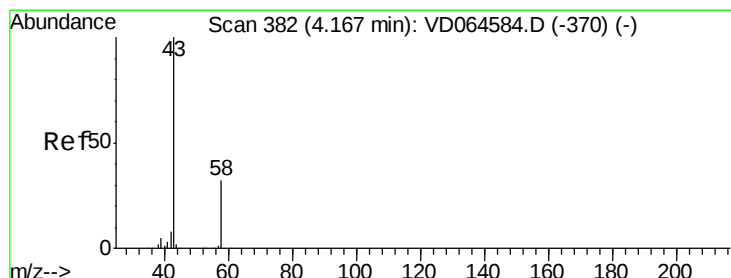
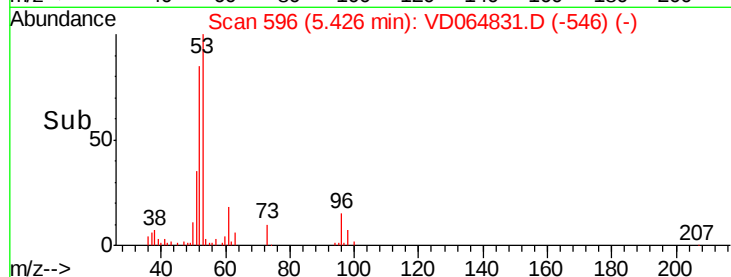
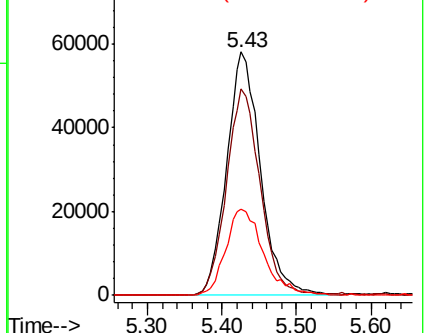
53 100

52 84.1 66.2 99.2

51 39.2 30.1 45.1



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



#16

Acetone

Concen: 323.480 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064831.D

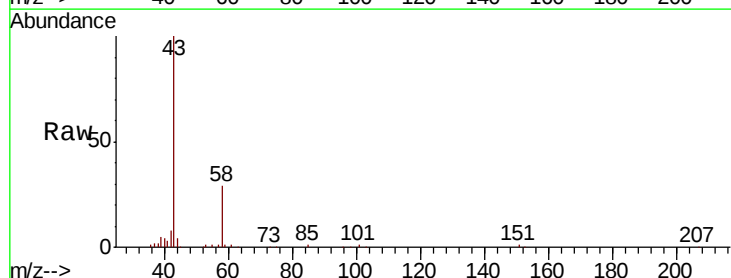
Acq: 10 Jan 2020 13:20

Tgt Ion: 43 Resp: 226726

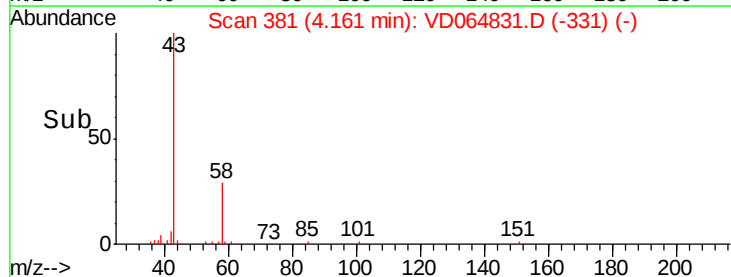
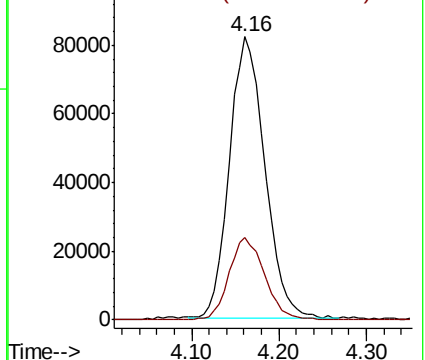
Ion Ratio Lower Upper

43 100

58 29.0 25.8 38.6



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





#17

Carbon Disulfide

Concen: 46.322 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

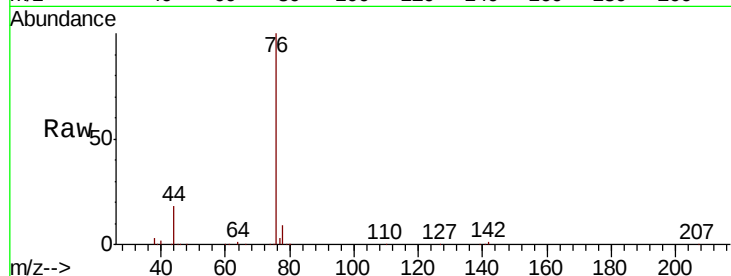
VSTDCCC050

Tot Ion: 76 Resp: 514133

Ion Ratio Lower Upper

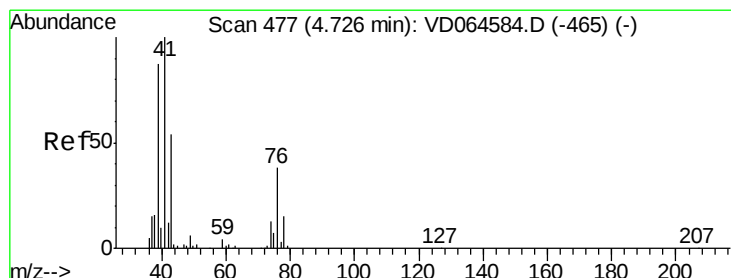
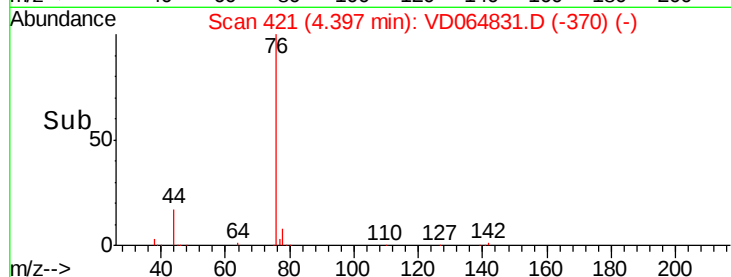
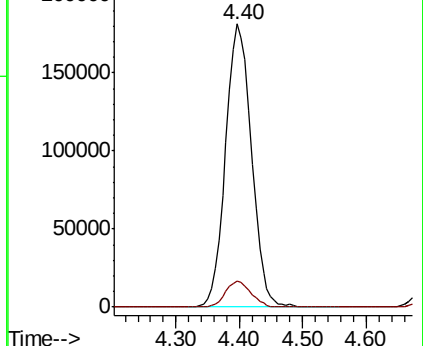
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 50.673 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064831.D

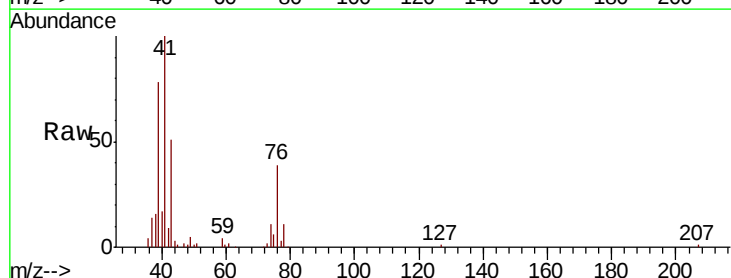
Acq: 10 Jan 2020 13:20

Tgt Ion: 43 Resp: 98148

Ion Ratio Lower Upper

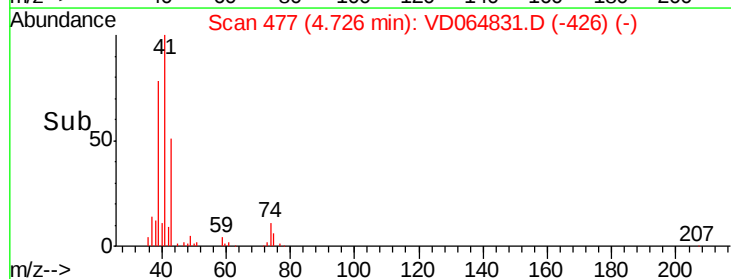
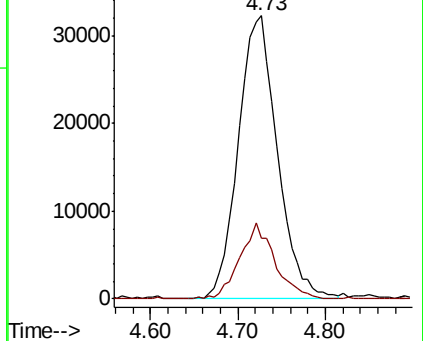
43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

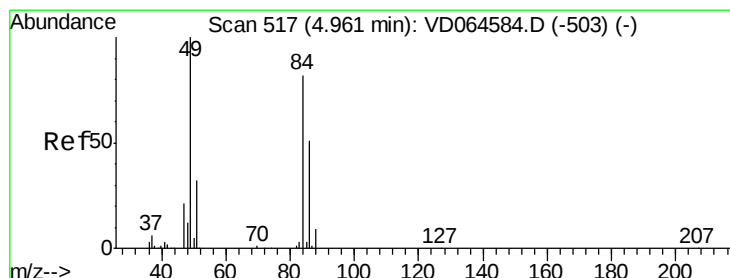
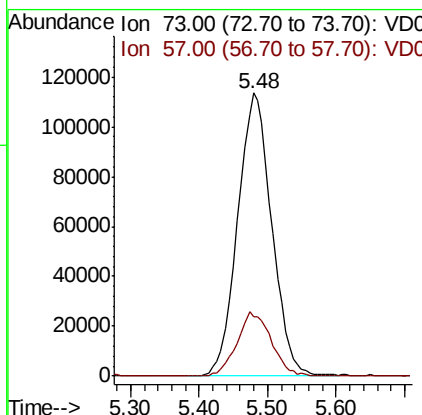
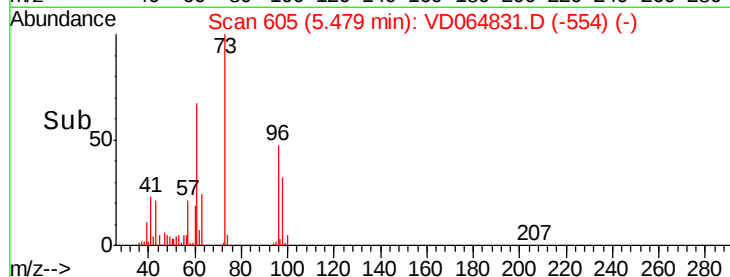
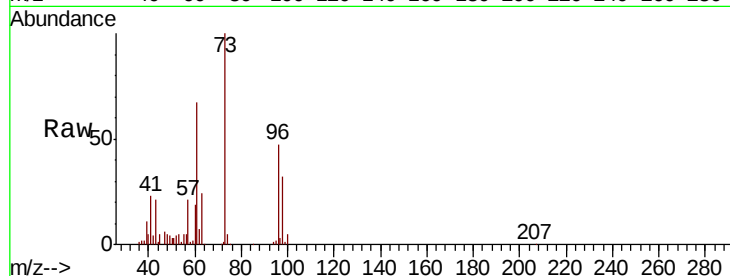




#19
Methyl tert-butyl Ether
Concen: 51.414 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

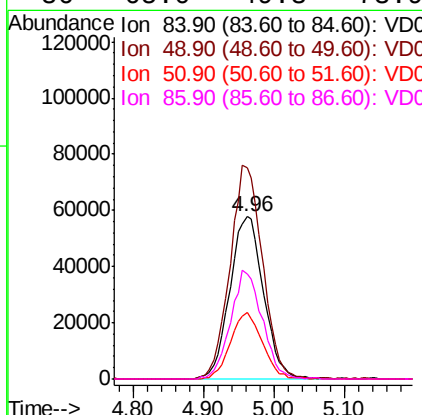
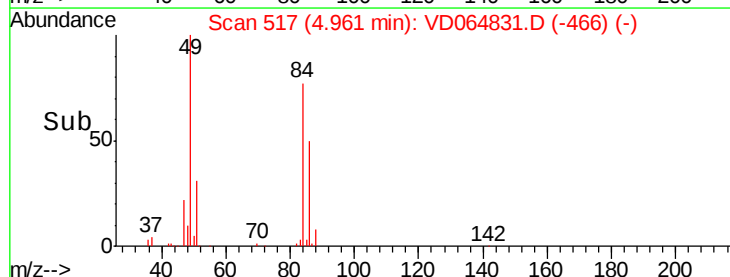
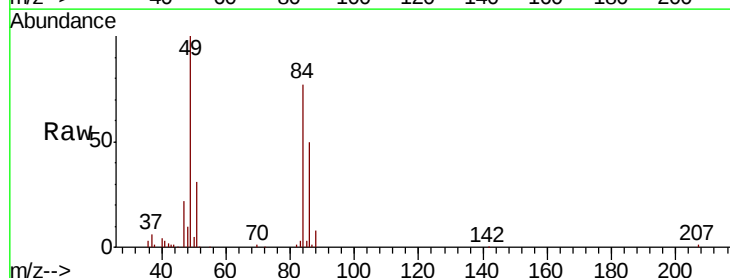
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

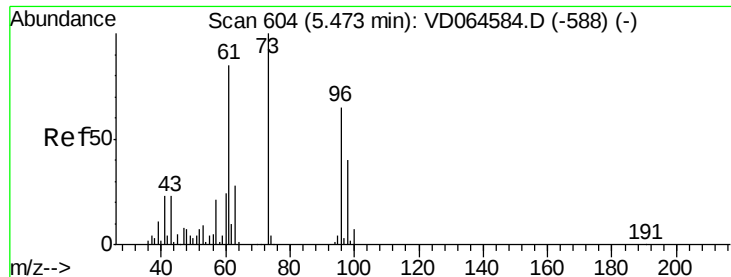
Tot Ion: 73 Resp: 391986
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8



#20
Methylene Chloride
Concen: 54.987 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 84 Resp: 191760
Ion Ratio Lower Upper
84 100
49 130.4 97.2 145.8
51 40.8 31.4 47.0
86 65.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.702 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

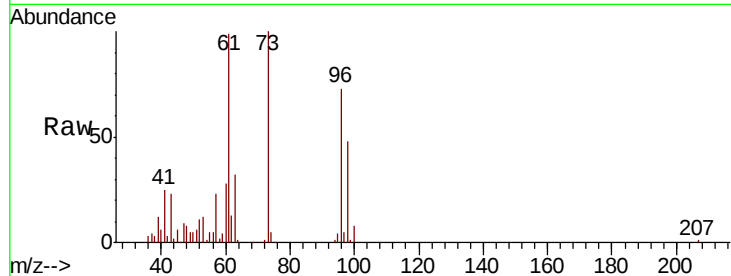
Tot Ion: 96 Resp: 202111

Ion Ratio Lower Upper

96 100

61 135.3 104.7 157.1

98 65.2 49.4 74.2

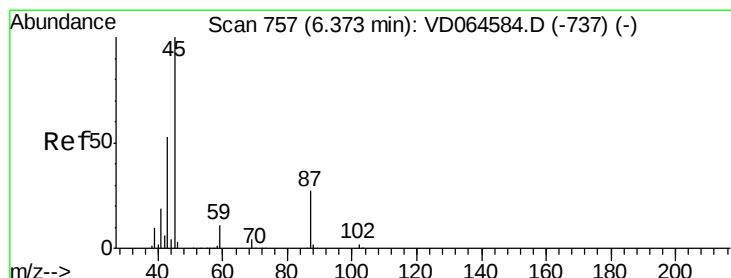
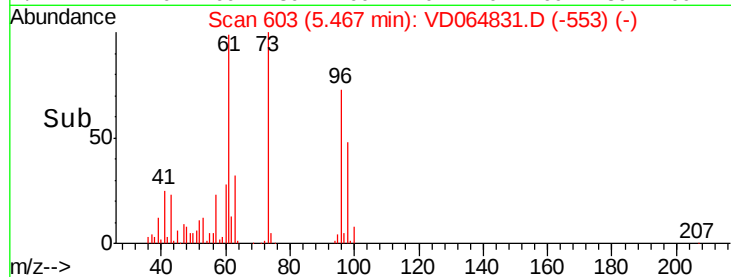
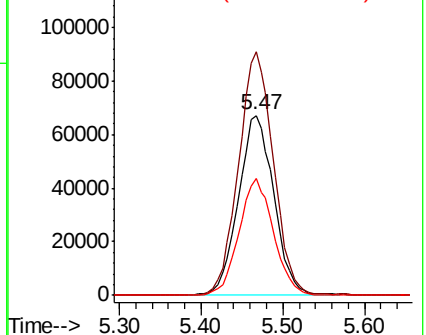


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.501 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion: 45 Resp: 581777

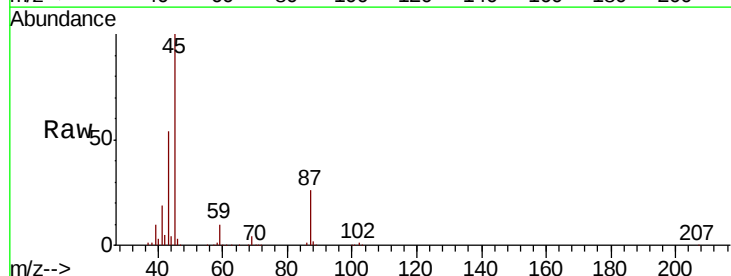
Ion Ratio Lower Upper

45 100

43 53.0 43.2 64.8

87 26.0 21.9 32.9

59 10.3 9.0 13.4



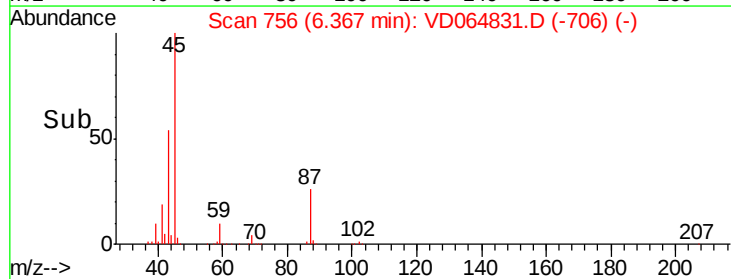
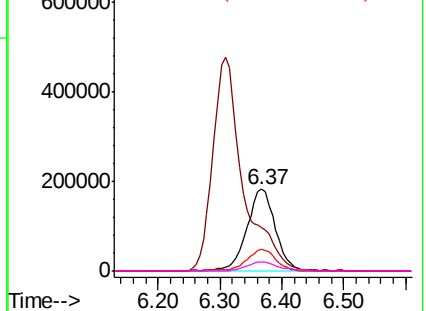
Abundance

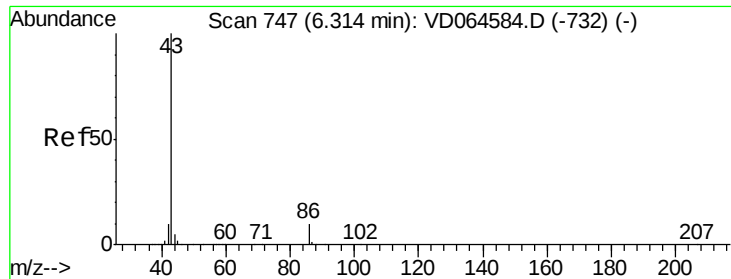
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 267.351 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleID :

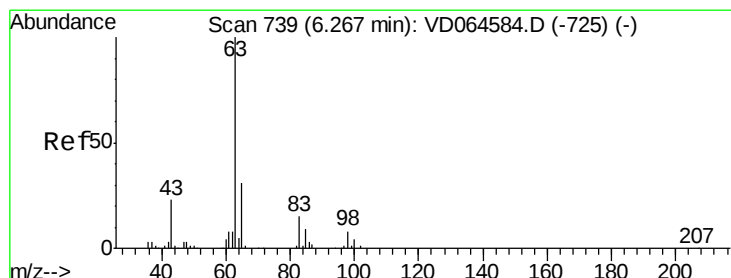
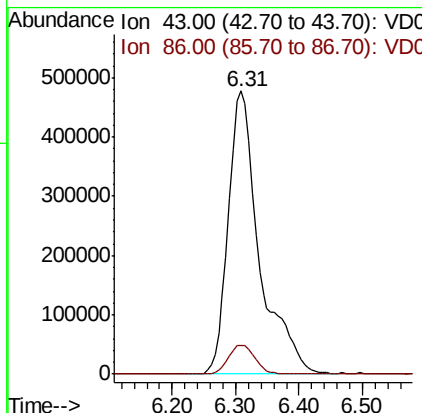
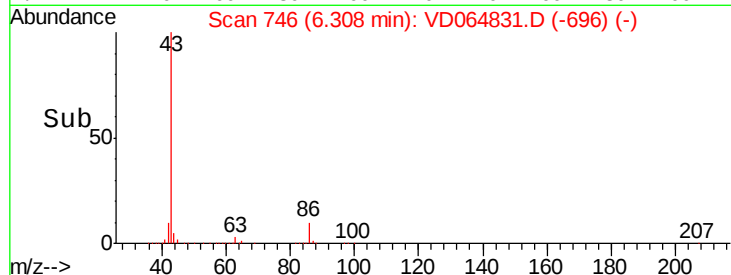
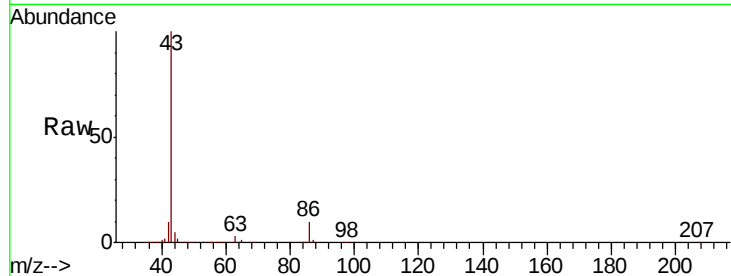
VSTDCCC050

Tot Ion: 43 Resp: 1618879

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 54.795 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

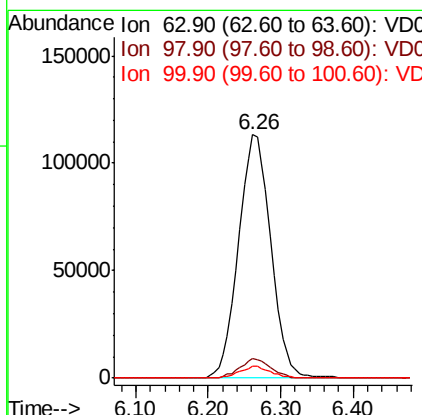
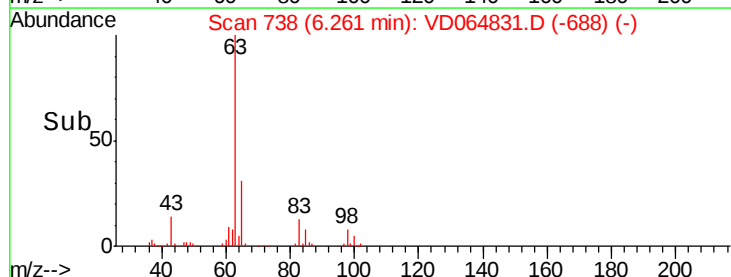
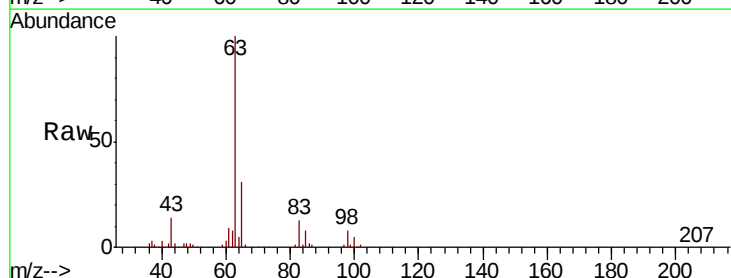
Tgt Ion: 63 Resp: 351144

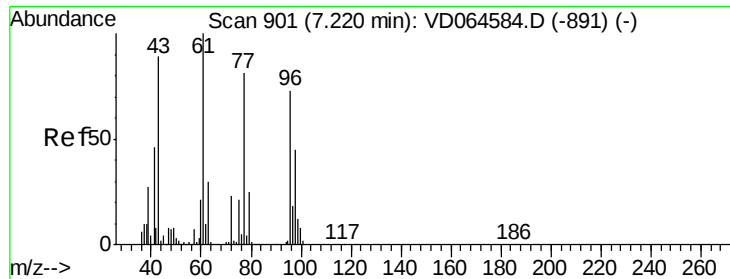
Ion Ratio Lower Upper

63 100

98 7.9 4.1 12.3

100 4.7 2.2 6.6

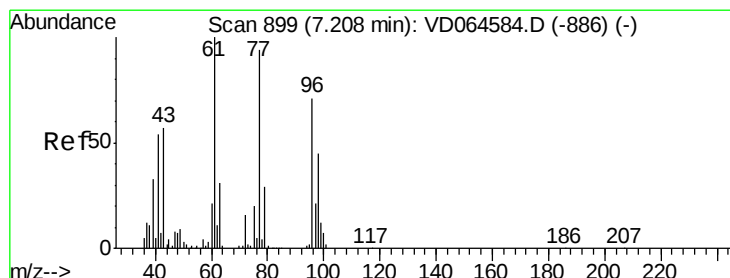
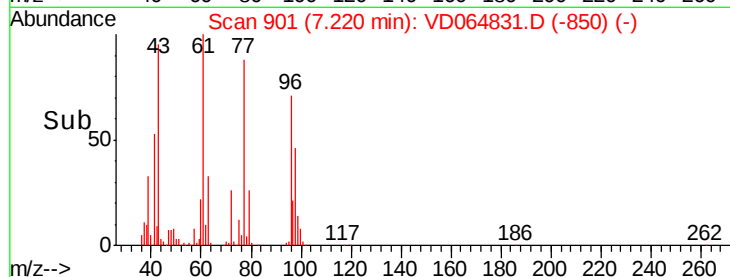
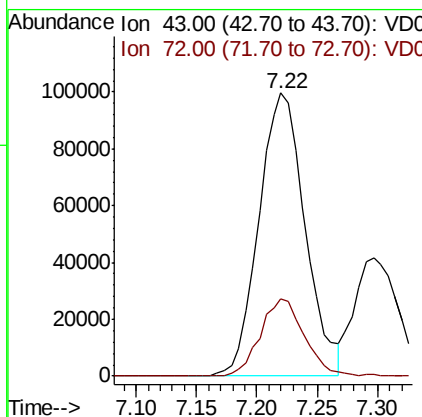
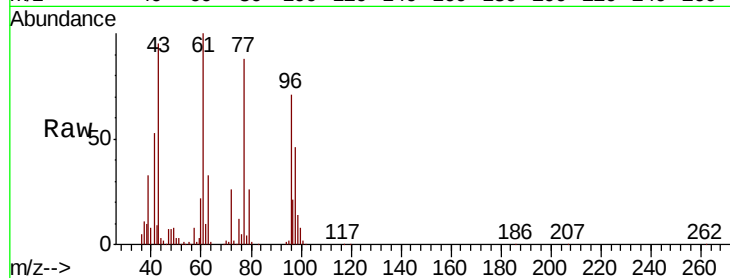




#25
2-Butanone
Concen: 277.841 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

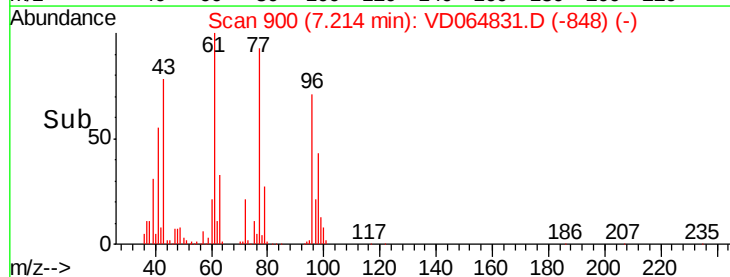
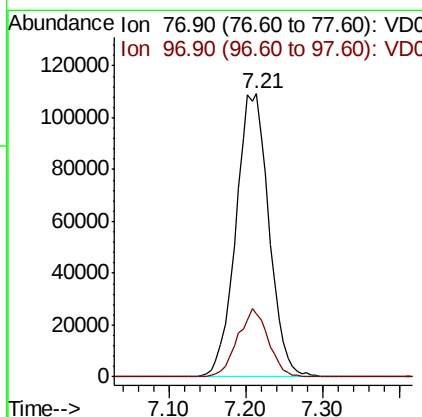
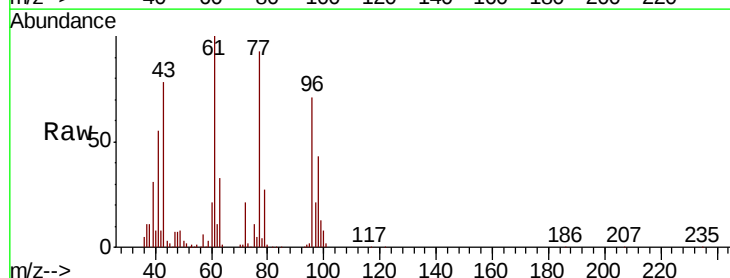
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

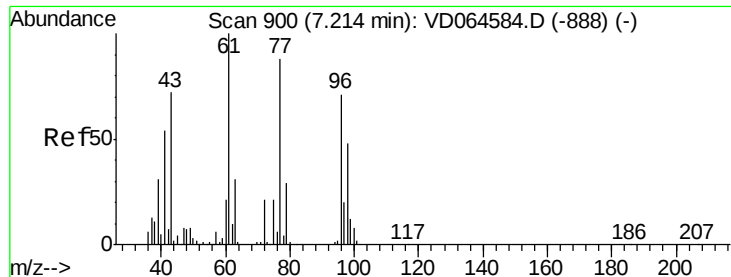
Tot Ion: 43 Resp: 262746
Ion Ratio Lower Upper
43 100
72 27.3 20.7 31.1



#26
2,2-Dichloropropane
Concen: 55.256 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 77 Resp: 329219
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 53.037 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

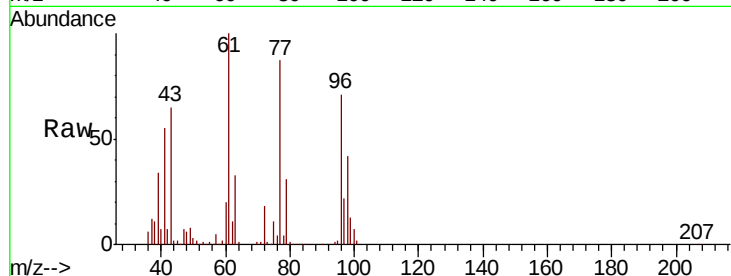
Tot Ion: 96 Resp: 223754

Ion Ratio Lower Upper

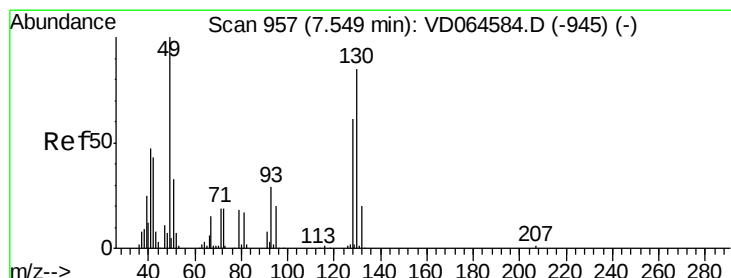
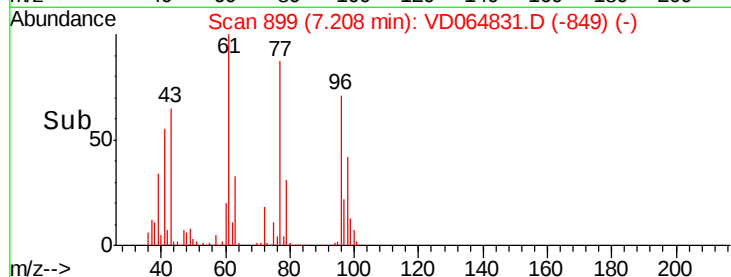
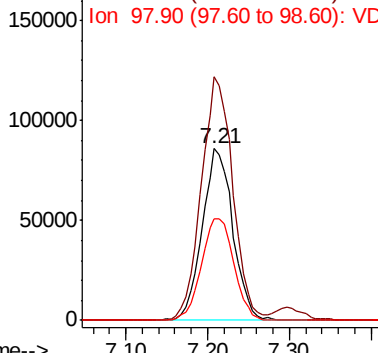
96 100

61 145.2 0.0 282.6

98 63.2 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 53.317 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

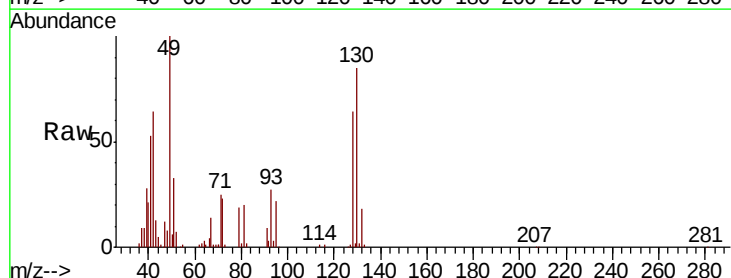
Tgt Ion: 49 Resp: 132816

Ion Ratio Lower Upper

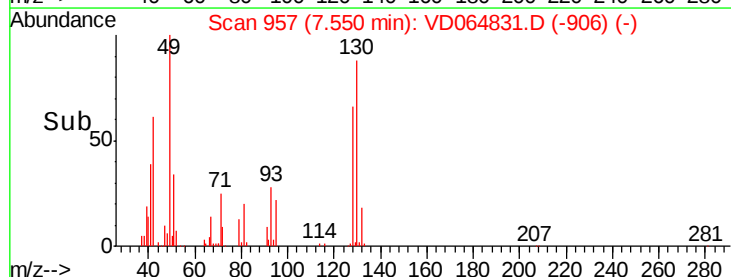
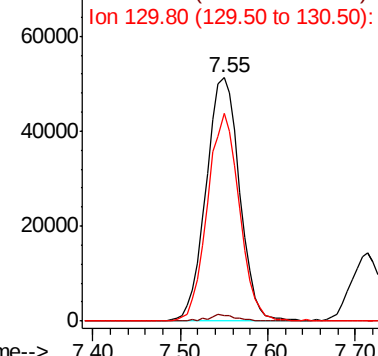
49 100

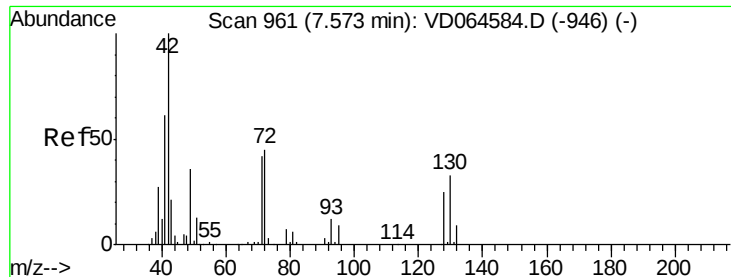
129 2.3 0.0 4.8

130 81.2 65.0 97.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

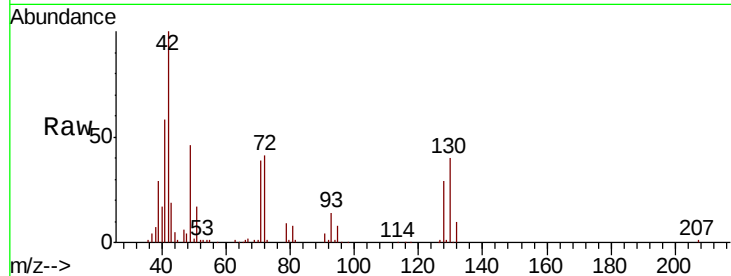




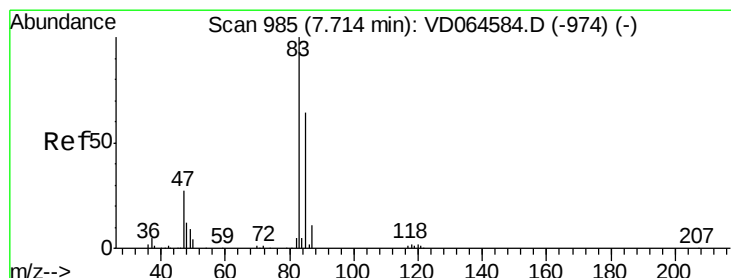
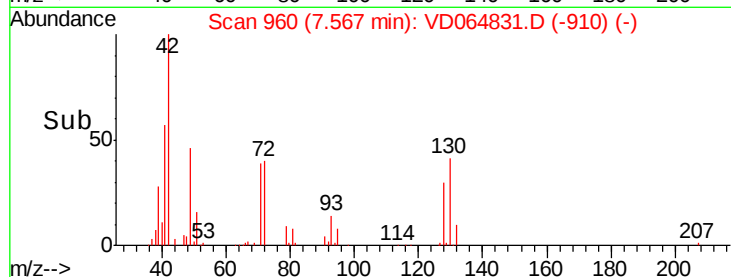
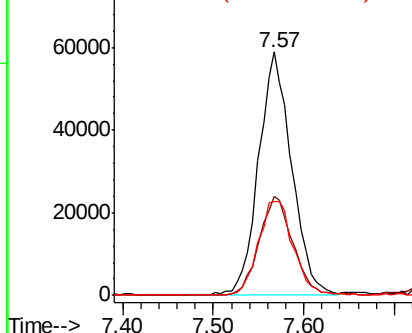
#29
Tetrahydrofuran
Concen: 254.756 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 149819
Ion Ratio Lower Upper
42 100
72 41.1 35.0 52.4
71 41.0 32.9 49.3

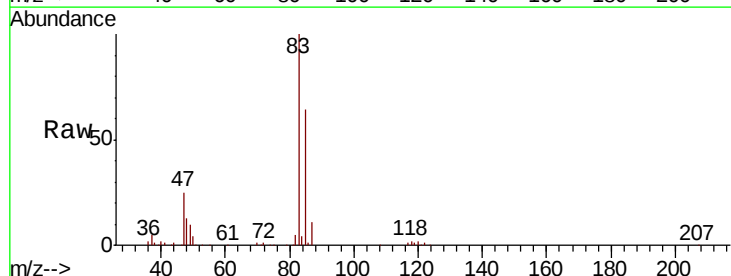


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

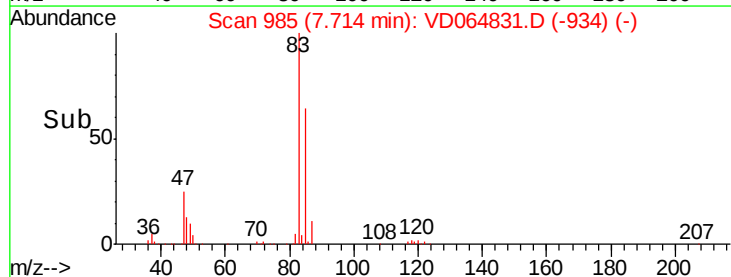
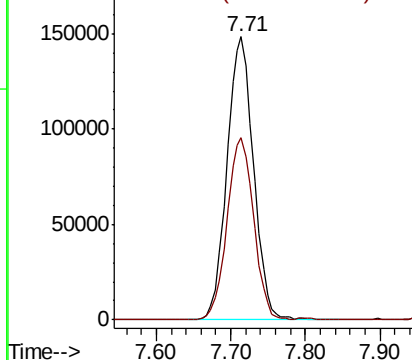


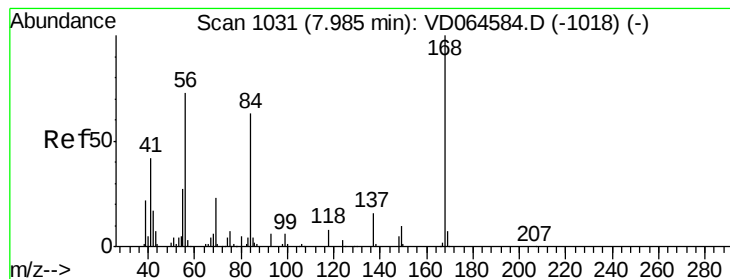
#30
Chloroform
Concen: 54.579 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 83 Resp: 366954
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7



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





#31

Cyclohexane

Concen: 50.159 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

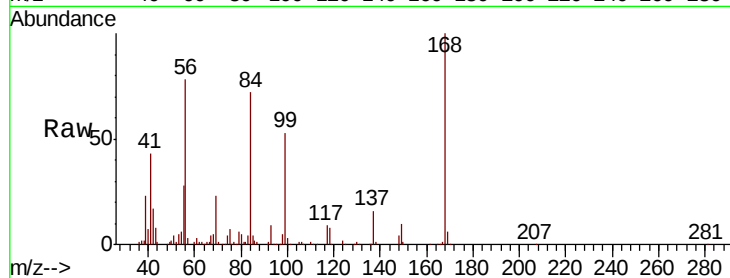
Tot Ion: 56 Resp: 321756

Ion Ratio Lower Upper

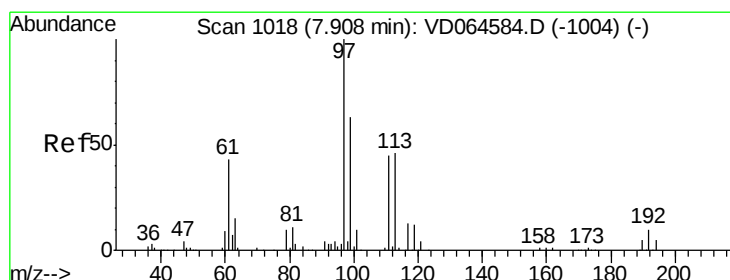
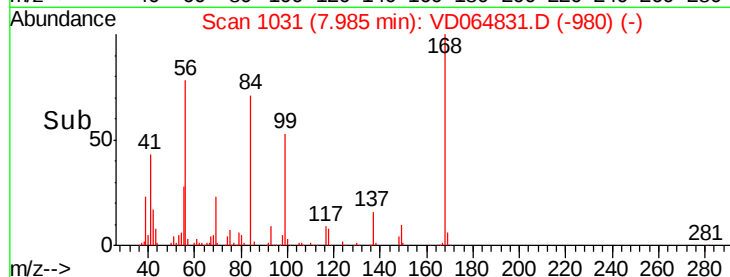
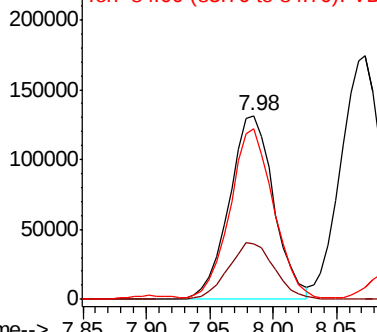
56 100

69 29.3 24.7 37.1

84 90.7 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 54.556 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

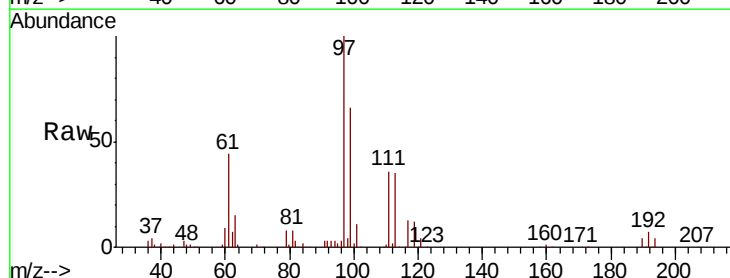
Tgt Ion: 97 Resp: 344523

Ion Ratio Lower Upper

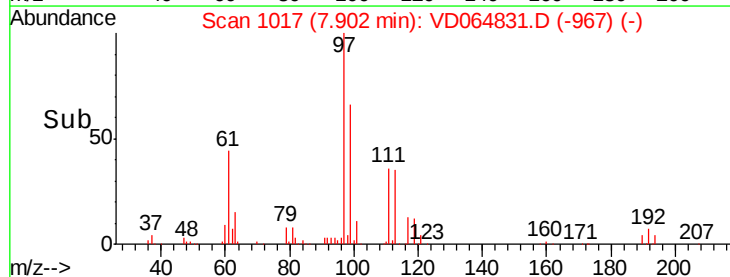
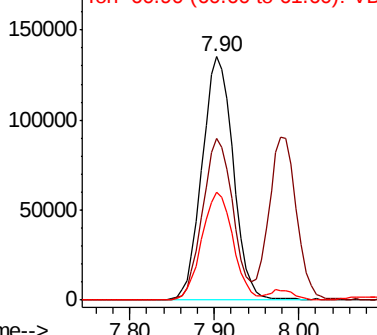
97 100

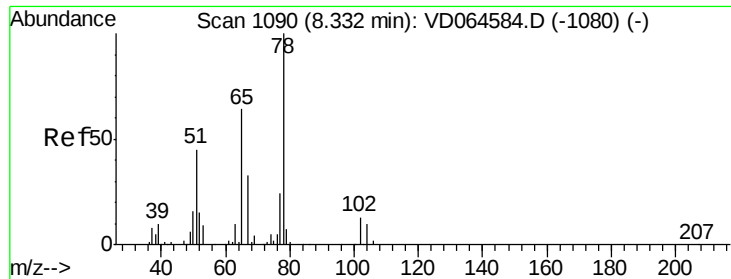
99 64.8 51.0 76.6

61 44.6 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.239 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

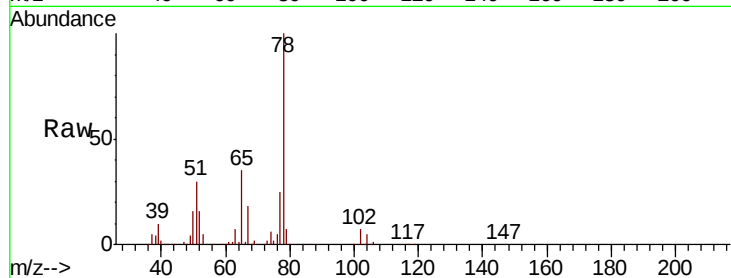
VSTDCCC050

Tot Ion: 65 Resp: 179719

Ion Ratio Lower Upper

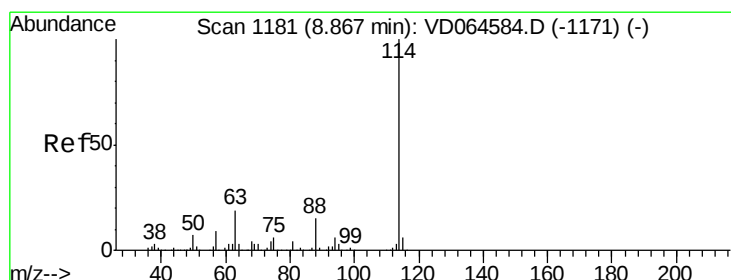
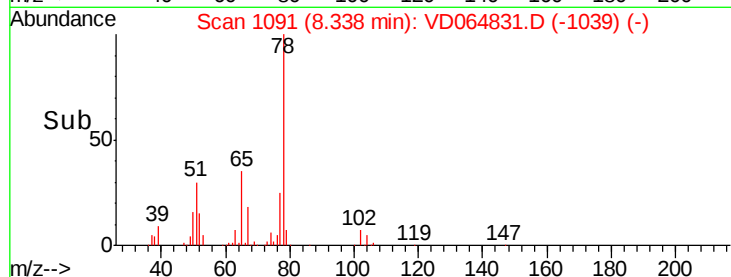
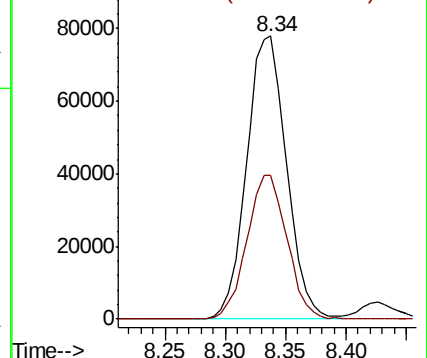
65 100

67 51.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

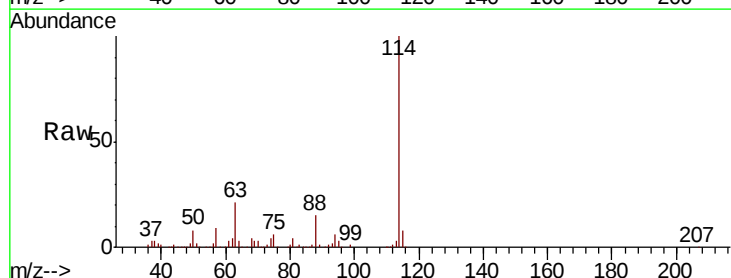
Tgt Ion: 114 Resp: 556521

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.0

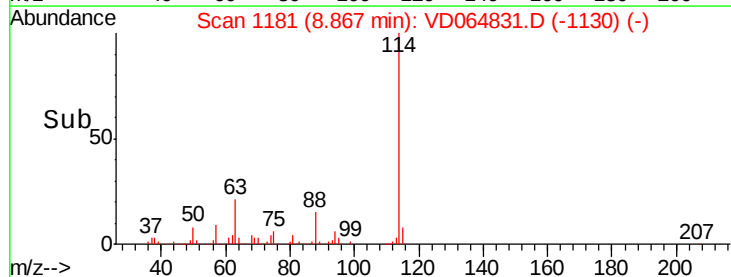
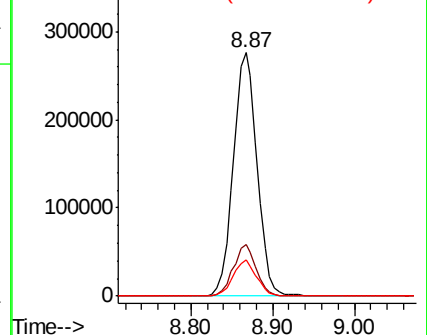
88 15.0 0.0 29.2

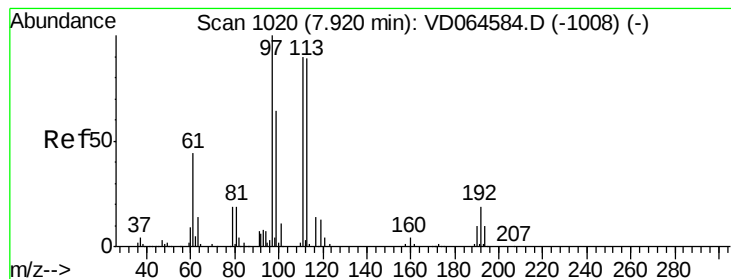


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.875 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

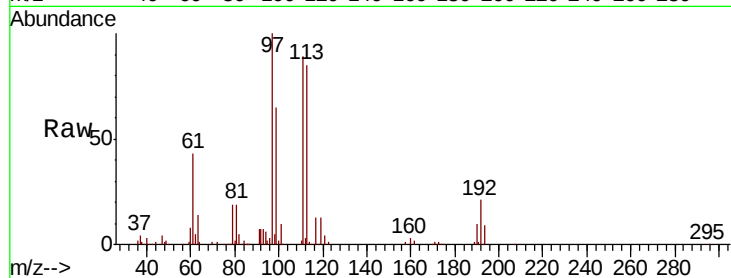
Tot Ion:113 Resp: 177121

Ion Ratio Lower Upper

113 100

111 104.4 80.6 121.0

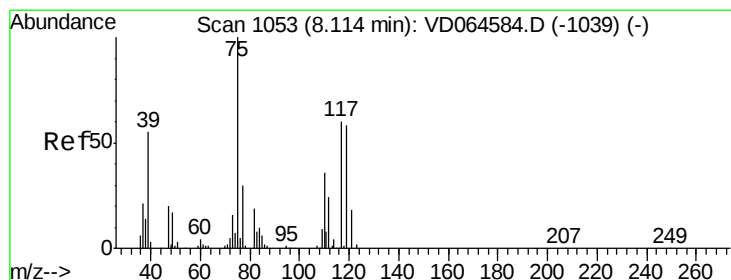
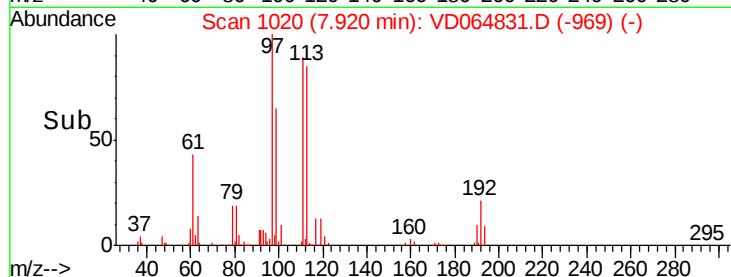
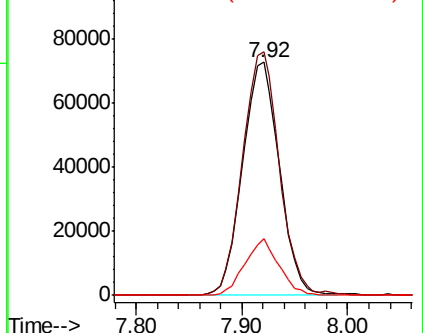
192 22.4 17.9 26.9



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: 53.642 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

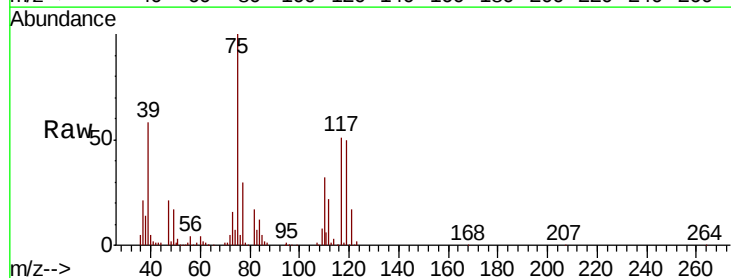
Tgt Ion: 75 Resp: 287333

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.1

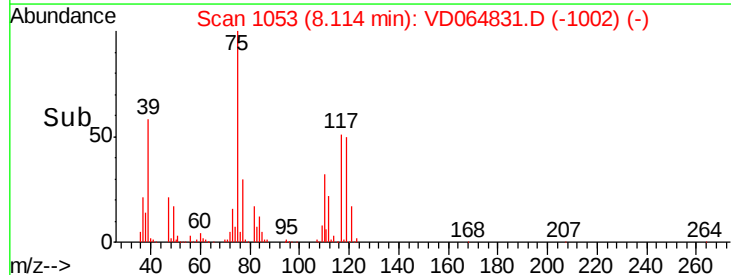
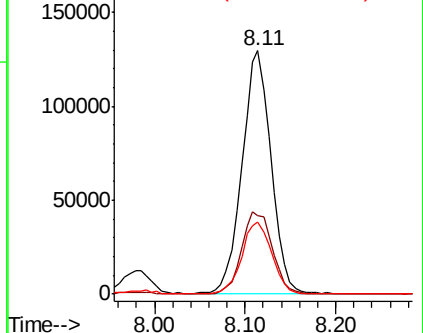
77 30.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

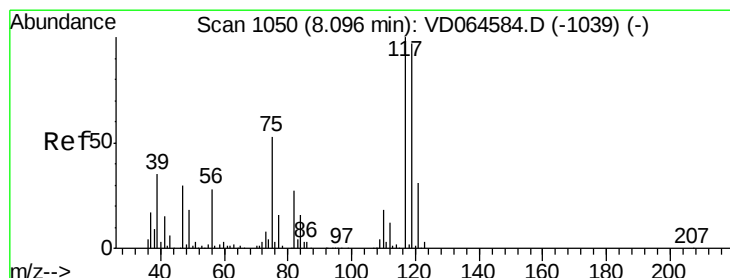
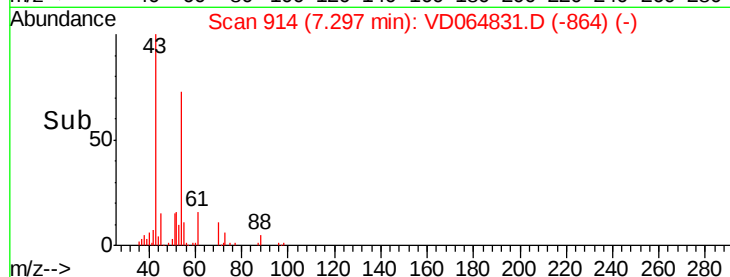
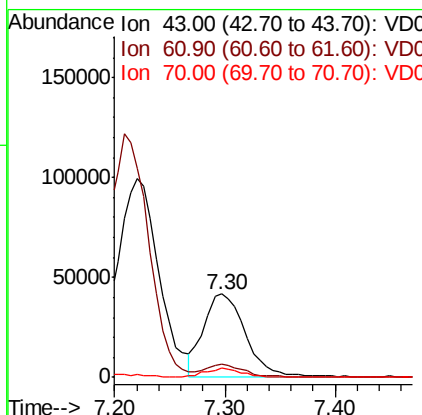
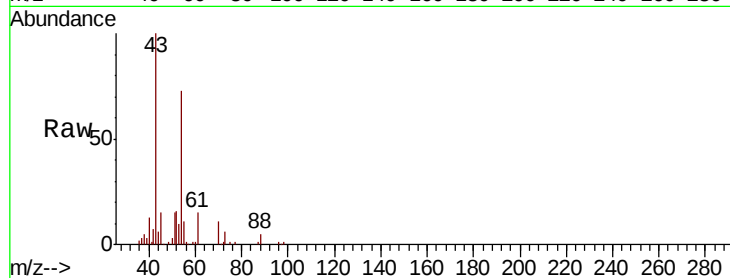




#37
Ethyl Acetate
Concen: 51.179 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

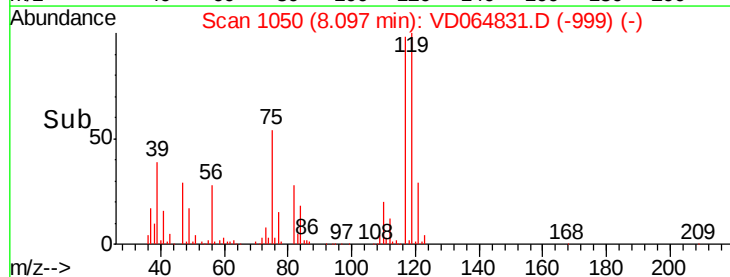
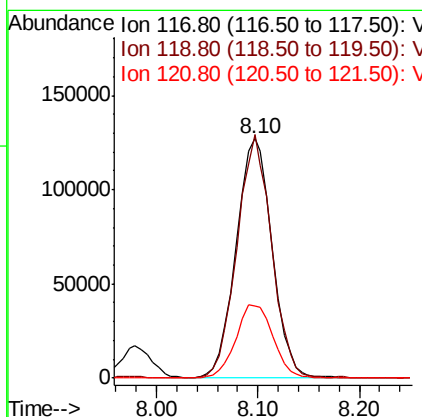
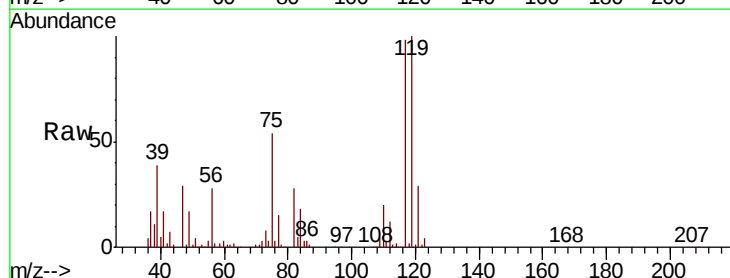
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

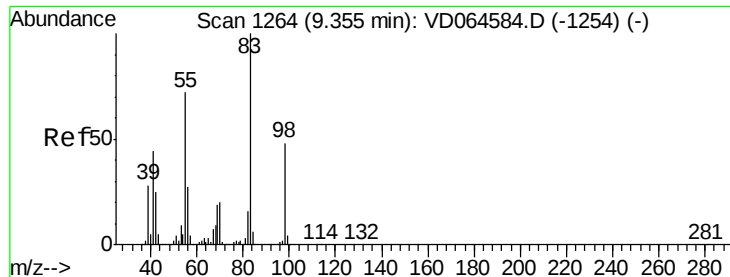
Tot Ion: 43 Resp: 107696
Ion Ratio Lower Upper
43 100
61 14.1 10.3 15.5
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 54.636 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 117 Resp: 312059
Ion Ratio Lower Upper
117 100
119 101.8 77.3 115.9
121 30.0 25.0 37.6

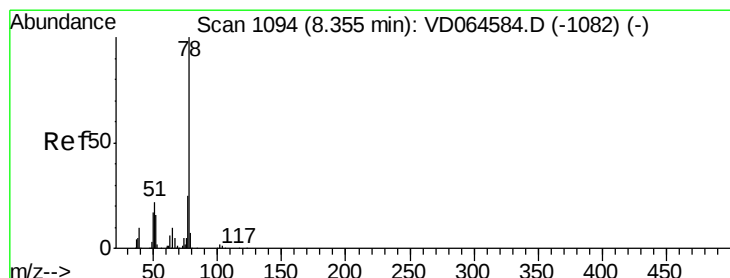
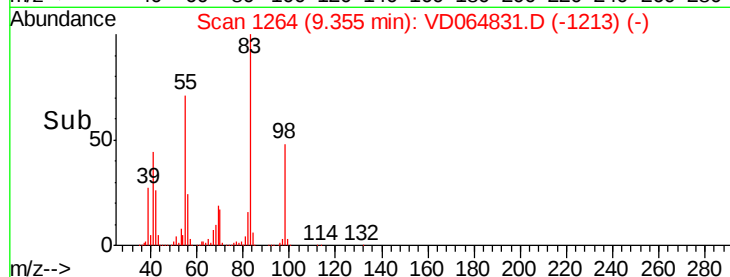
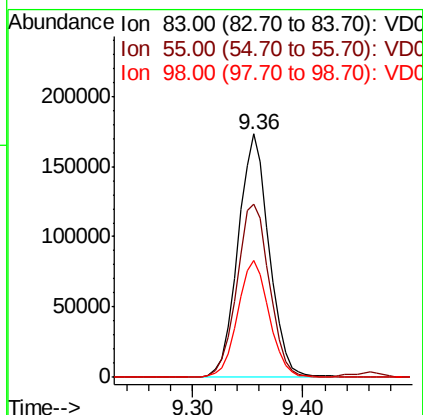
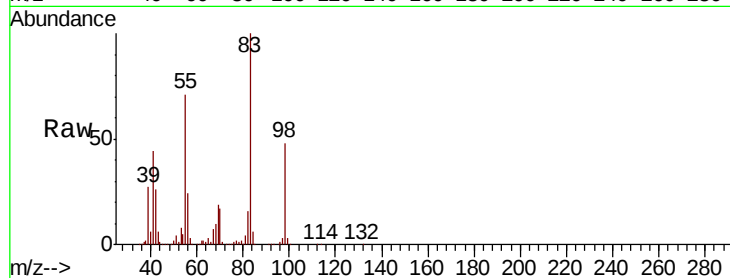




#39
Methvlcvclohexane
Concen: 52.834 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

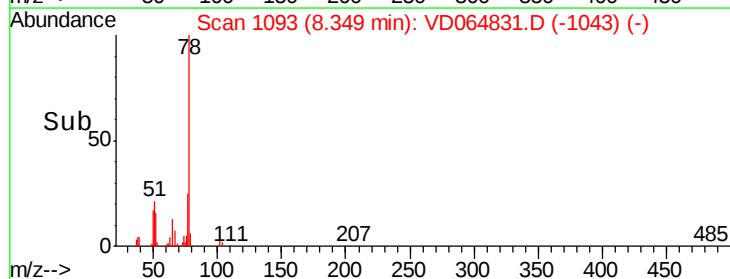
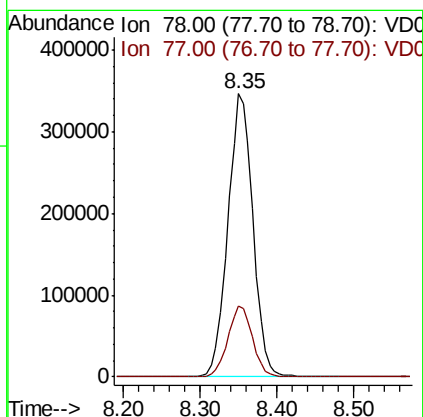
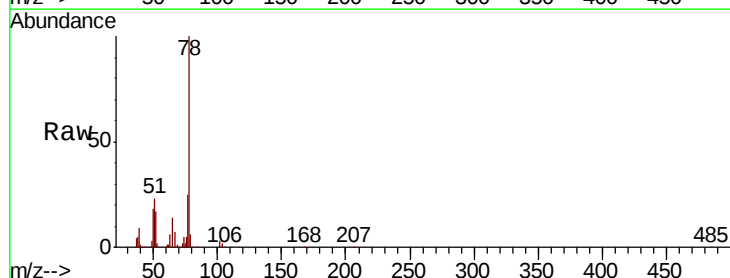
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

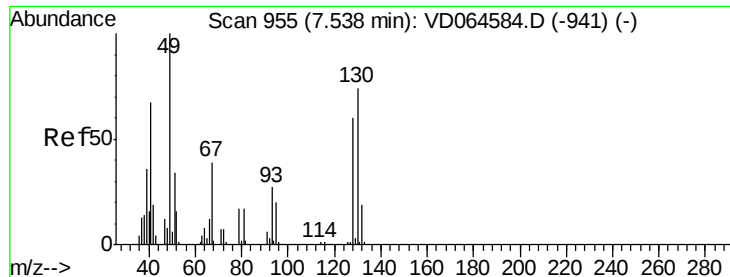
Tot Ion: 83 Resp: 342772
Ion Ratio Lower Upper
83 100
55 70.9 57.8 86.6
98 48.3 38.7 58.1



#40
Benzene
Concen: 53.562 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 78 Resp: 783212
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

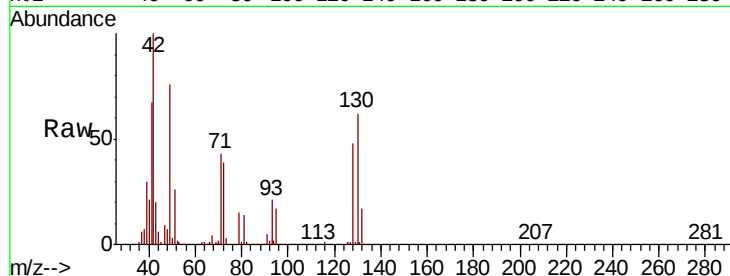




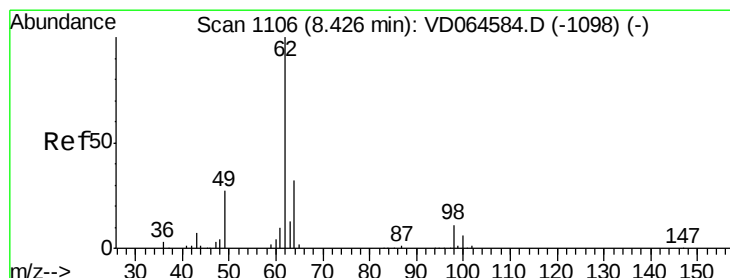
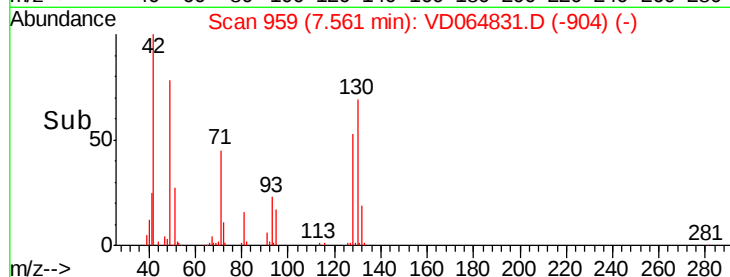
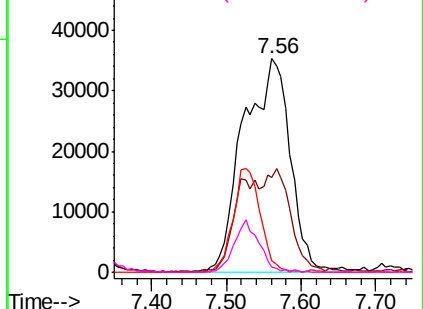
#41
Methacrylonitrile
Concen: 126.105 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 153964
Ion Ratio Lower Upper
41 100
39 0.0 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#

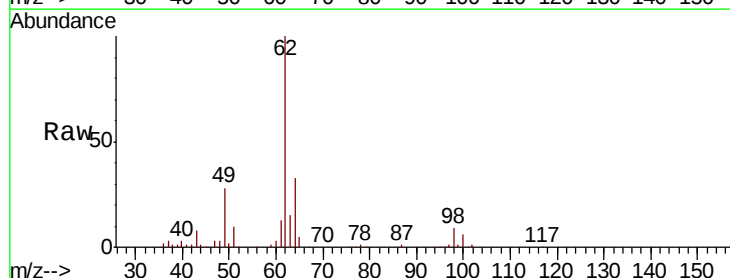


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

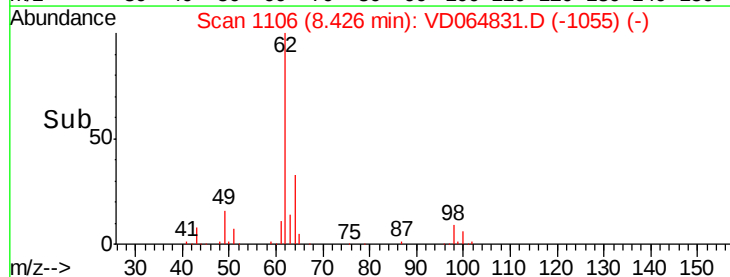
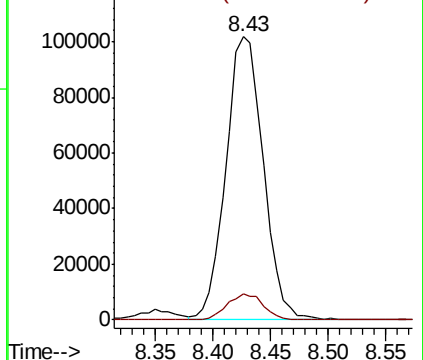


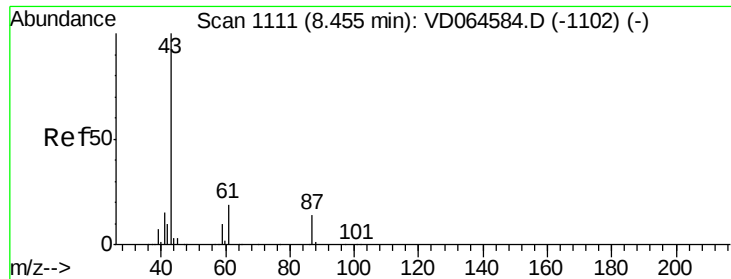
#42
1,2-Dichloroethane
Concen: 53.904 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 62 Resp: 227777
Ion Ratio Lower Upper
62 100
98 9.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.154 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

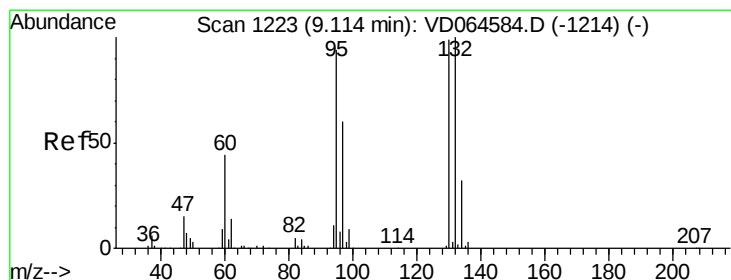
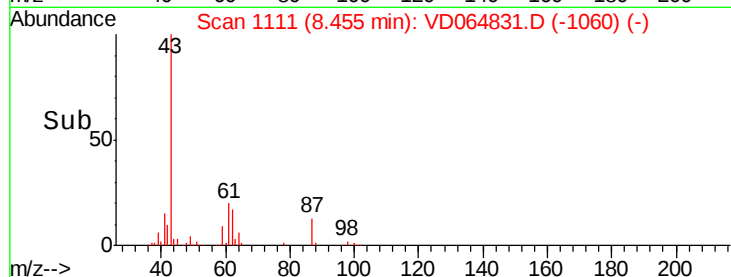
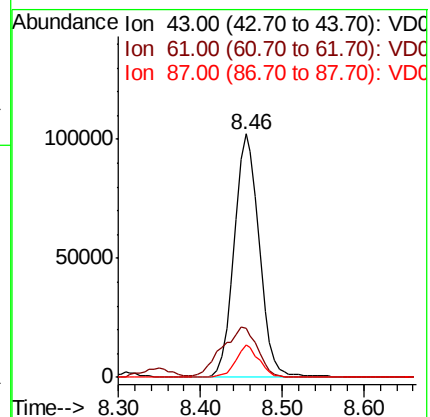
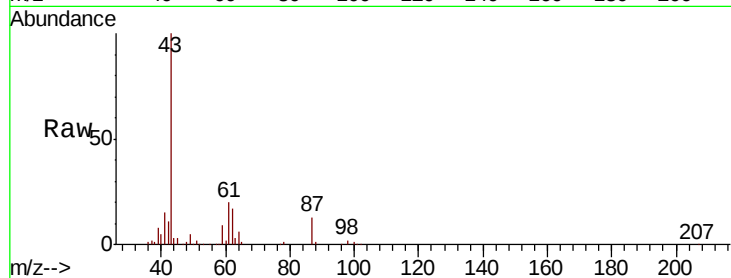
Tot Ion: 43 Resp: 218443

Ion Ratio Lower Upper

43 100

61 29.5 23.7 35.5

87 12.3 10.5 15.7



#44

Trichloroethene

Concen: 53.918 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064831.D

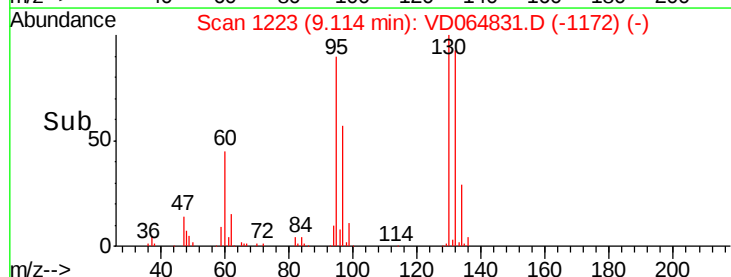
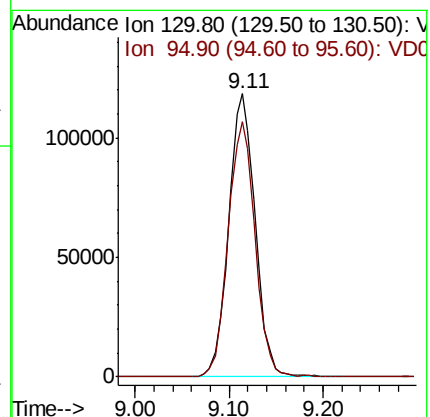
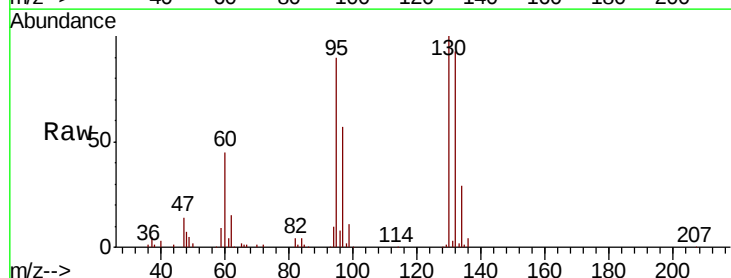
Acq: 10 Jan 2020 13:20

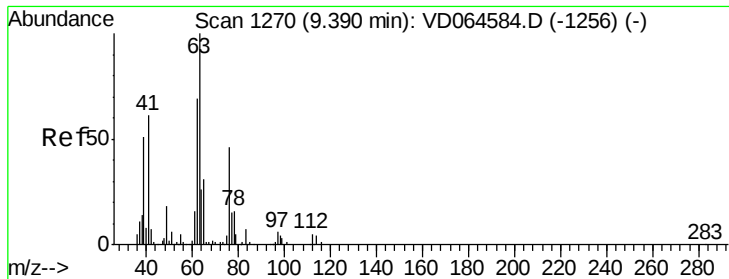
Tgt Ion: 130 Resp: 231613

Ion Ratio Lower Upper

130 100

95 90.0 0.0 190.2





#45

1,2-Dichloropropane

Concen: 54.350 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

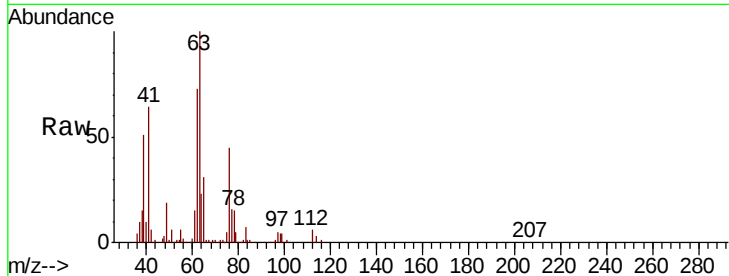
VSTDCCC050

Tot Ion: 63 Resp: 189754

Ion Ratio Lower Upper

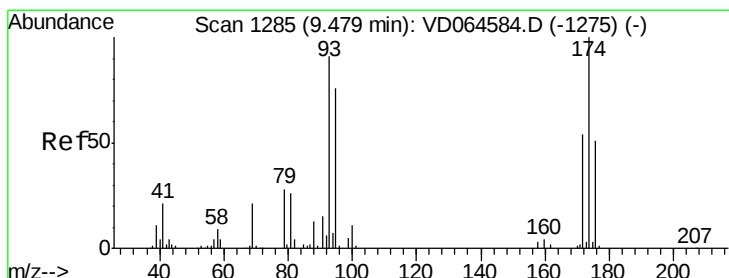
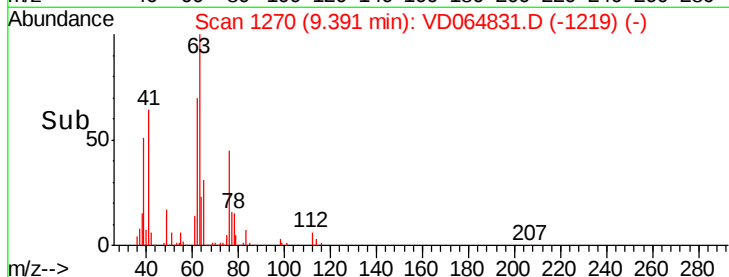
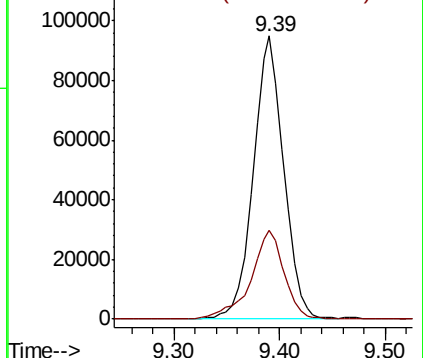
63 100

65 31.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.074 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

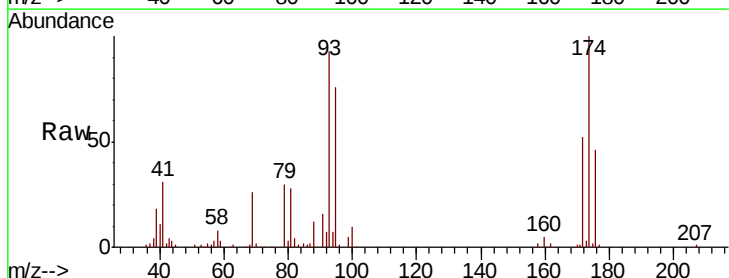
Tgt Ion: 93 Resp: 101365

Ion Ratio Lower Upper

93 100

95 81.9 64.6 97.0

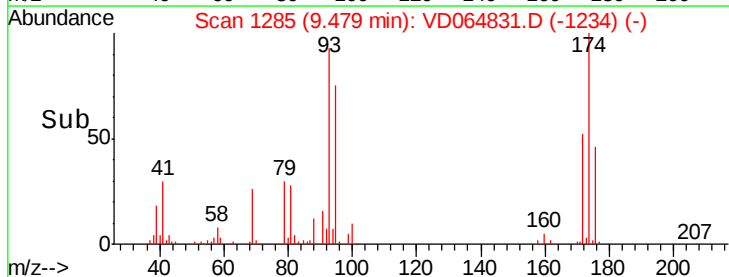
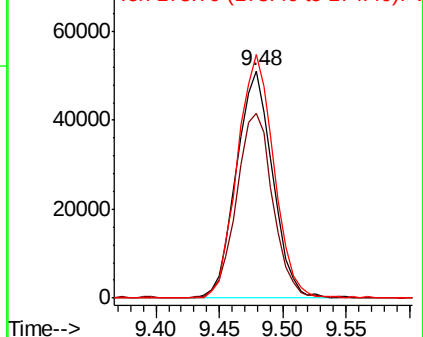
174 108.8 88.1 132.1

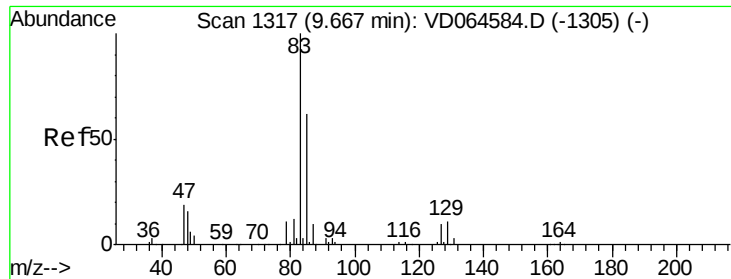


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.385 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

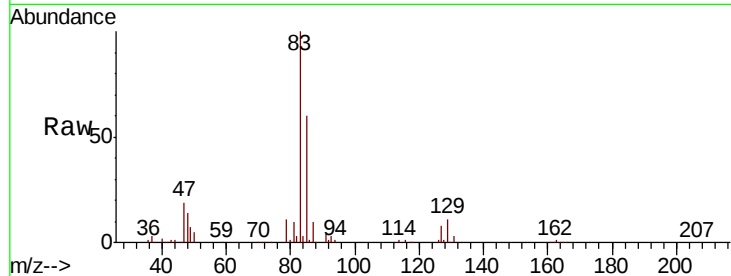
Tot Ion: 83 Resp: 281697

Ion Ratio Lower Upper

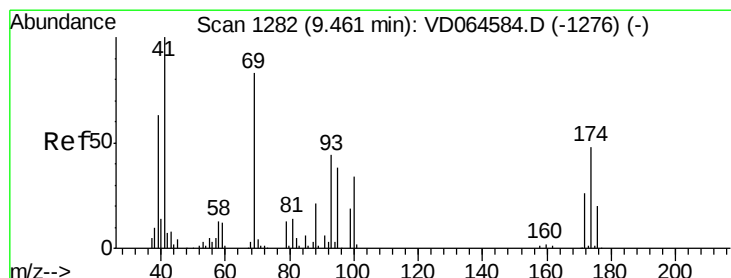
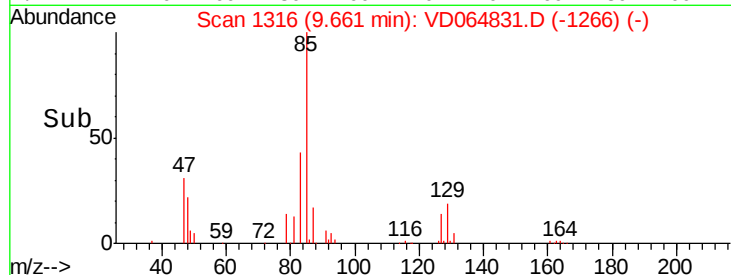
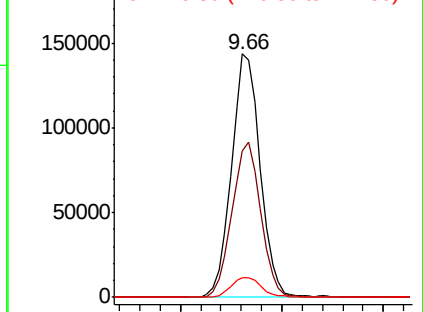
83 100

85 60.2 49.5 74.3

127 8.2 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.281 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

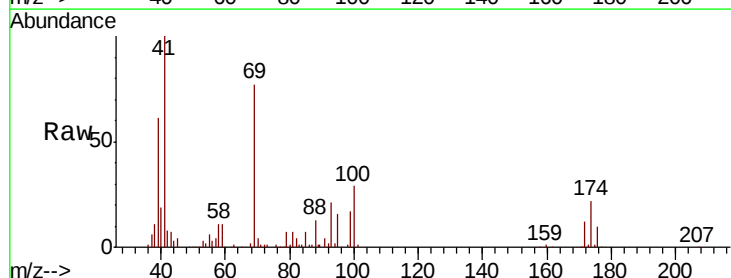
Tgt Ion: 41 Resp: 101134

Ion Ratio Lower Upper

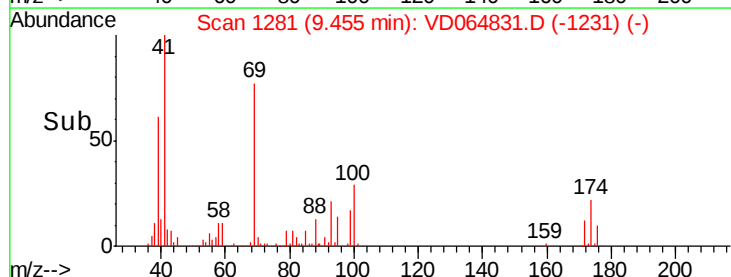
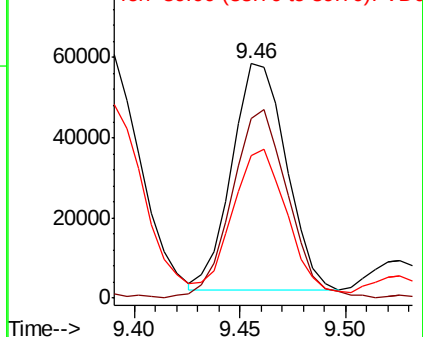
41 100

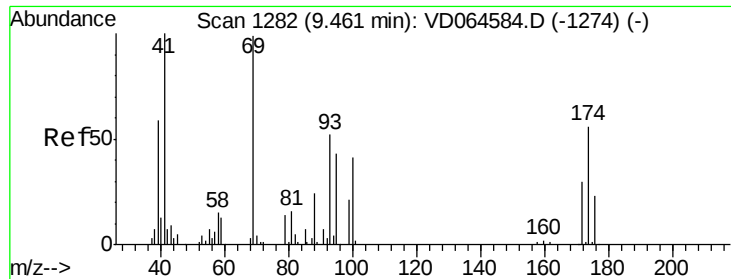
69 84.8 63.0 94.6

39 61.9 47.4 71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

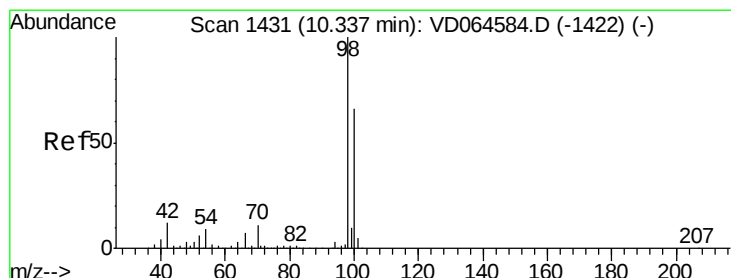
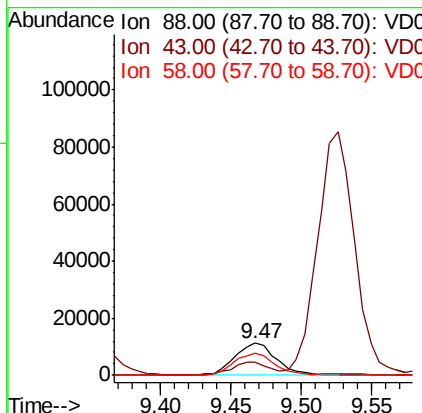
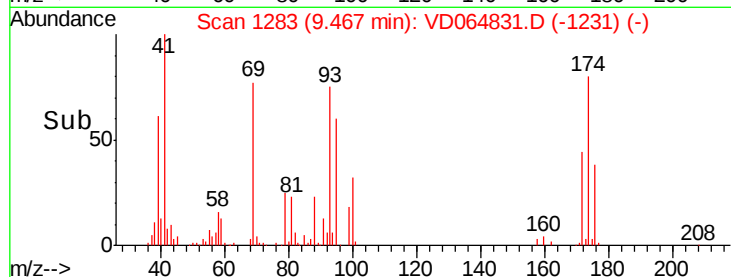
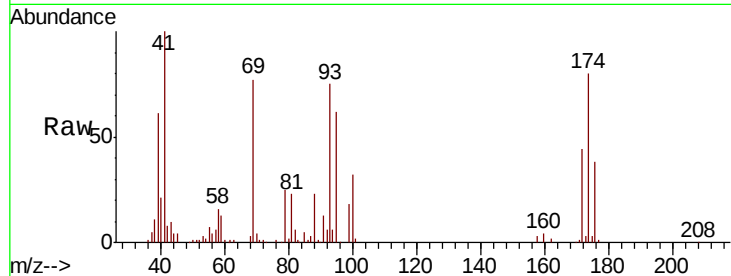




#49
1,4-Dioxane
Concen: 1049.275 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

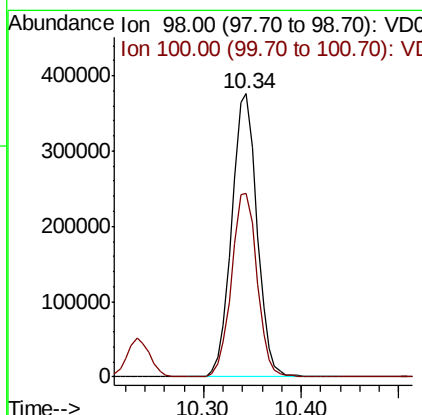
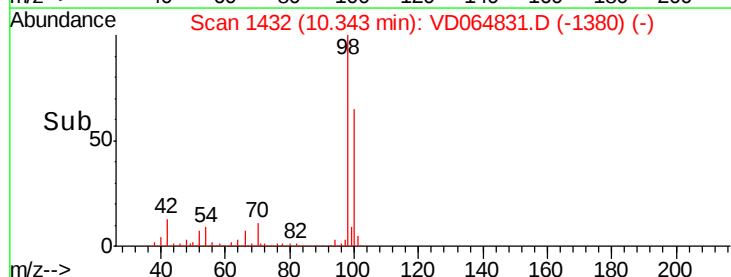
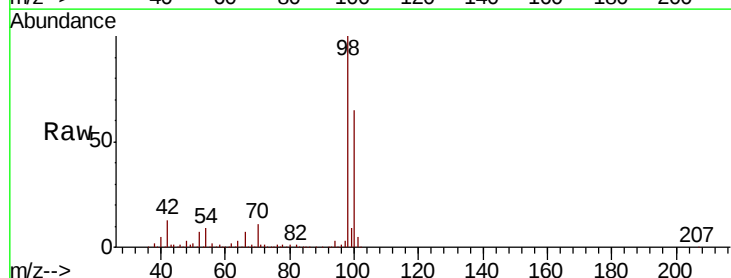
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

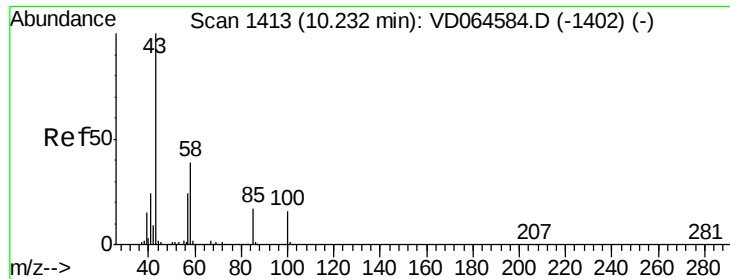
Tot Ion: 88 Resp: 23551
Ion Ratio Lower Upper
88 100
43 37.3 27.7 41.5
58 66.0 53.8 80.6



#50
Toluene-d8
Concen: 51.962 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 98 Resp: 679492
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 261.265 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

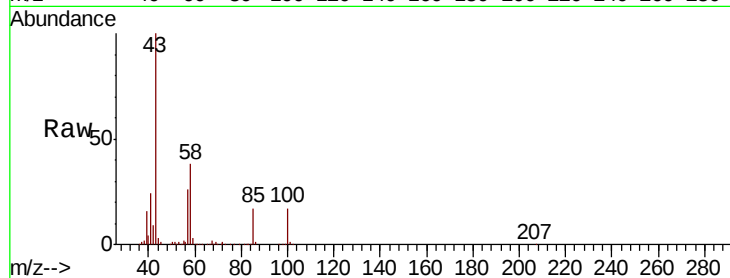
VSTDCCC050

Tot Ion: 43 Resp: 540886

Ion Ratio Lower Upper

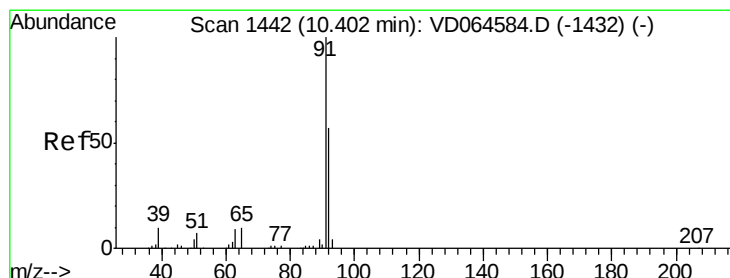
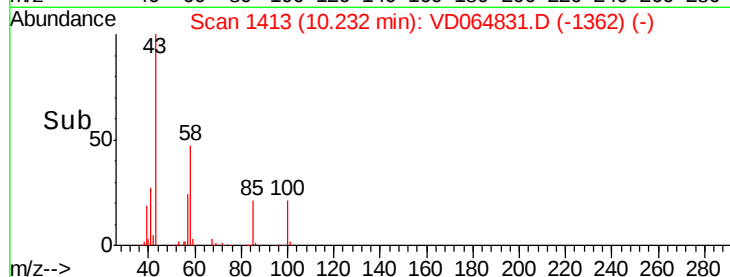
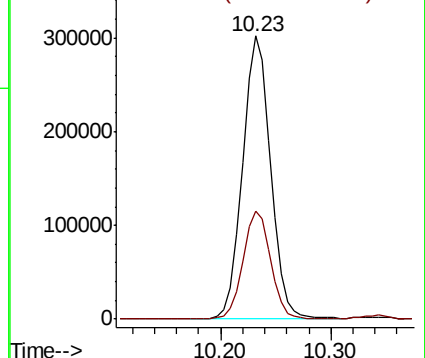
43 100

58 37.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.782 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064831.D

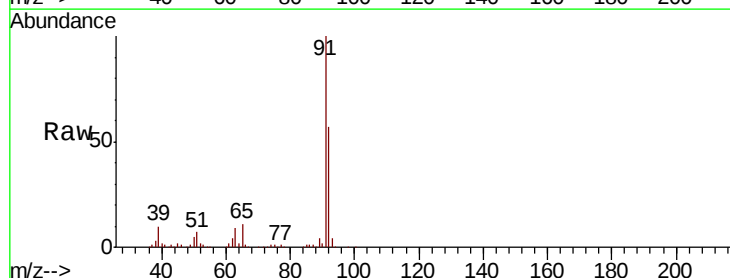
Acq: 10 Jan 2020 13:20

Tgt Ion: 92 Resp: 515961

Ion Ratio Lower Upper

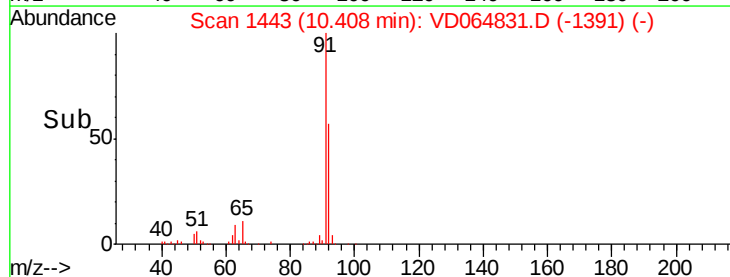
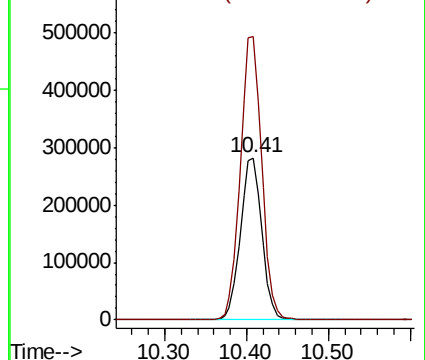
92 100

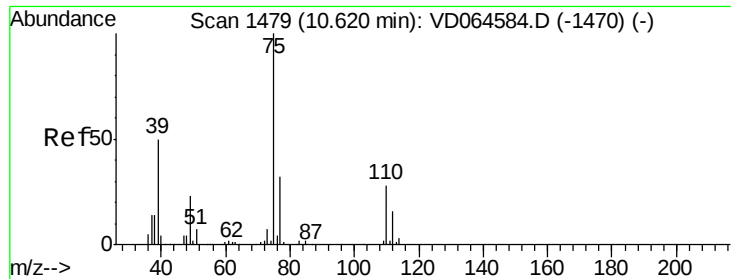
91 174.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.417 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

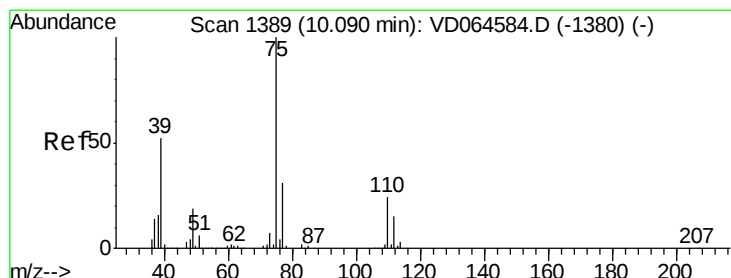
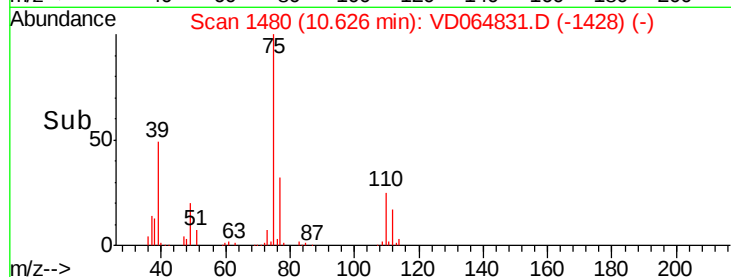
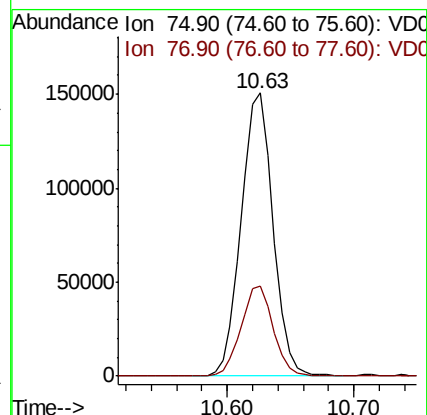
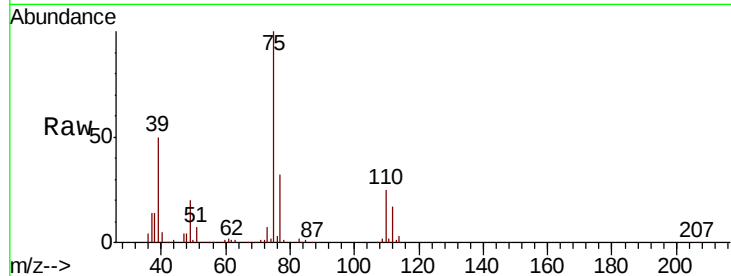
VSTDCCC050

Tot Ion: 75 Resp: 262787

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.195 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

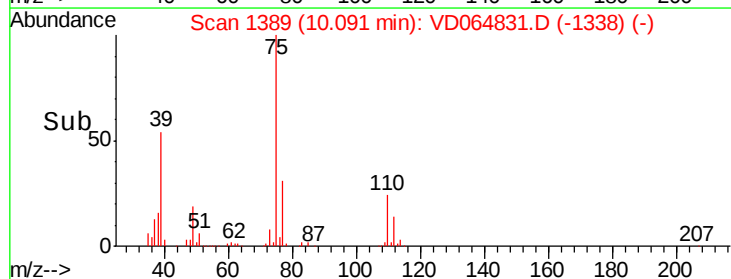
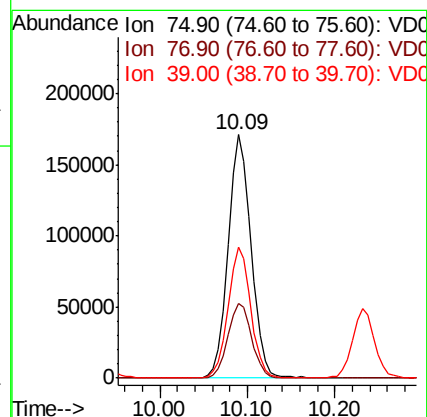
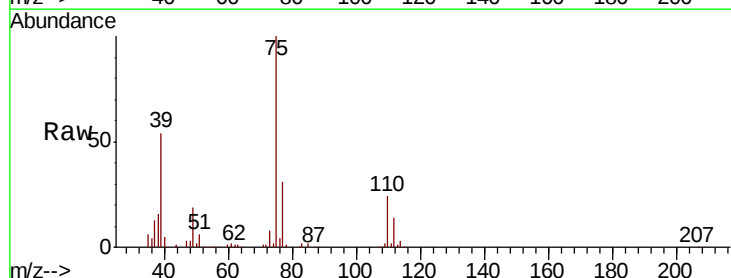
Tgt Ion: 75 Resp: 308599

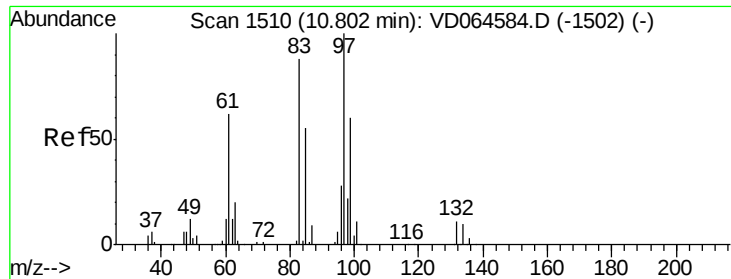
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 53.8 41.4 62.2

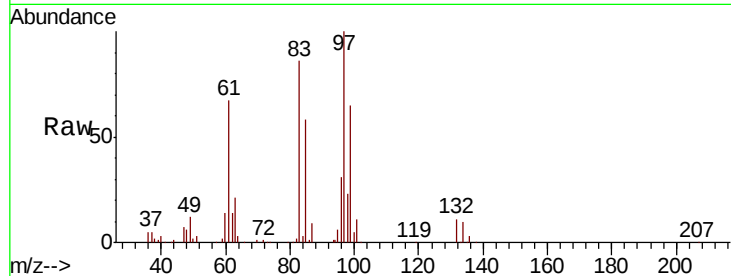




#55
 1,1,2-Trichloroethane
 Concen: 51.487 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.2	105.4
85	58.4	44.0	66.0
99	65.4	47.8	71.6



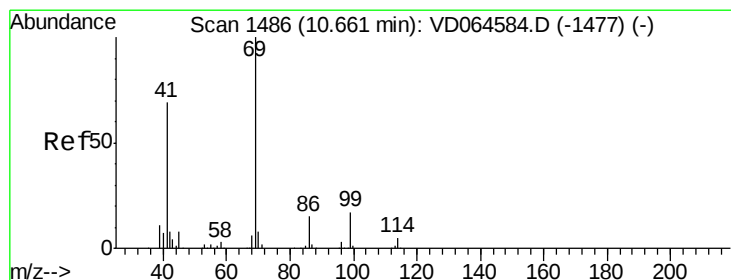
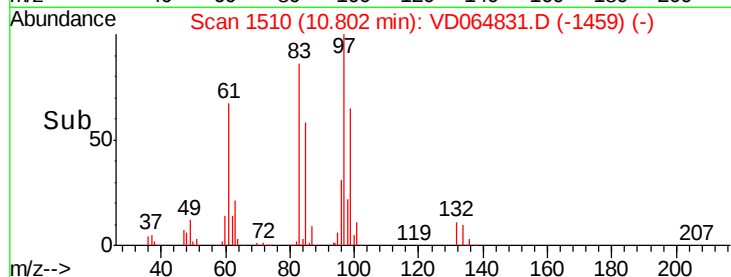
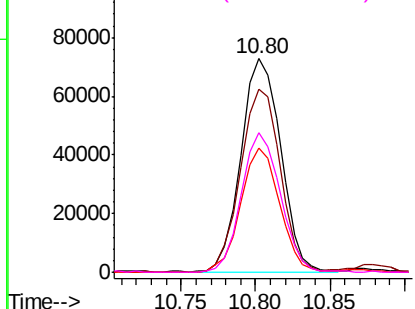
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

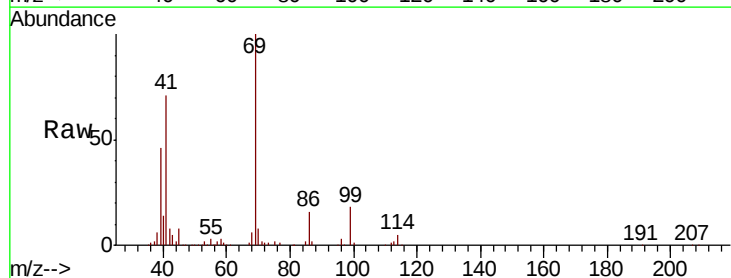
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 53.314 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.3	82.9
39	42.5	33.8	50.8

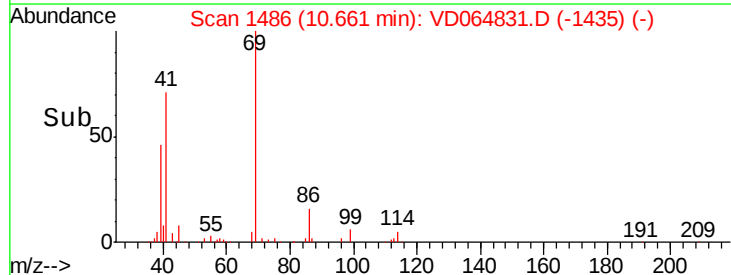
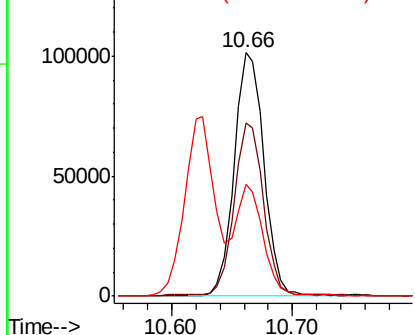


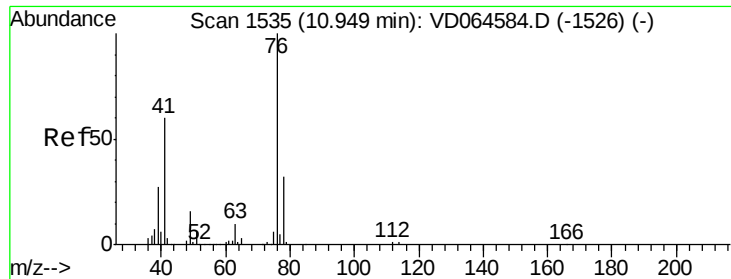
Abundance

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: 53.107 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

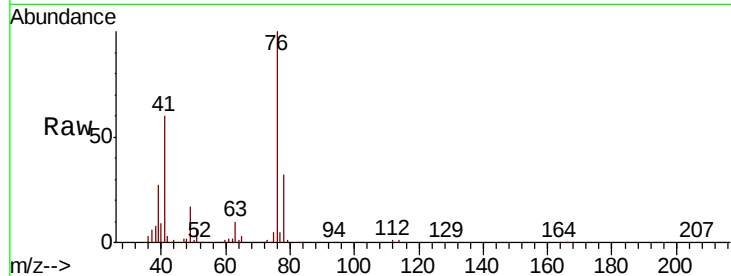
VSTDCCC050

Tot Ion: 76 Resp: 239876

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

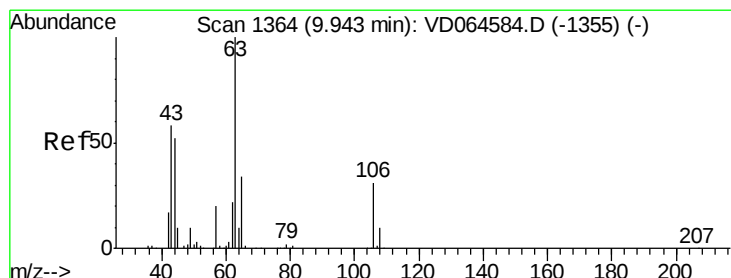
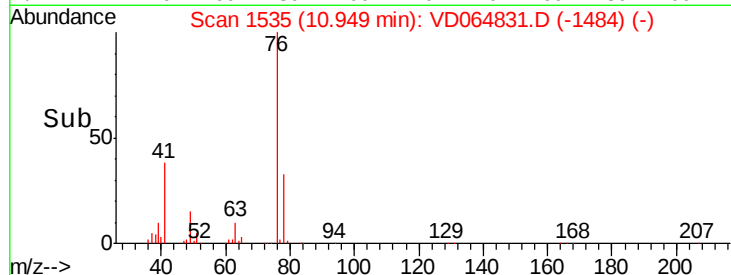
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.283 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064831.D

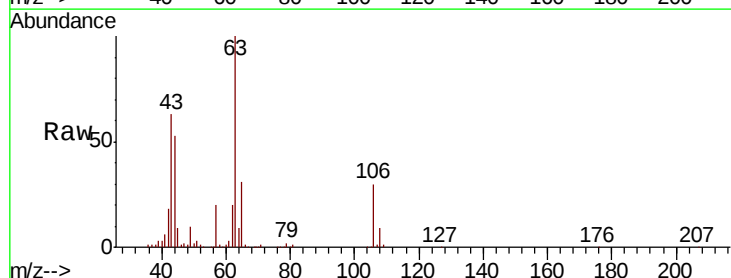
Acq: 10 Jan 2020 13:20

Tgt Ion: 63 Resp: 292431

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

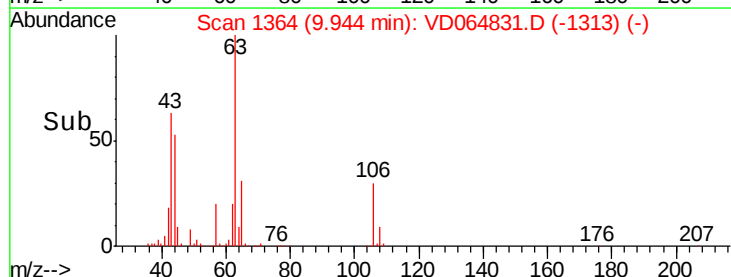
150000

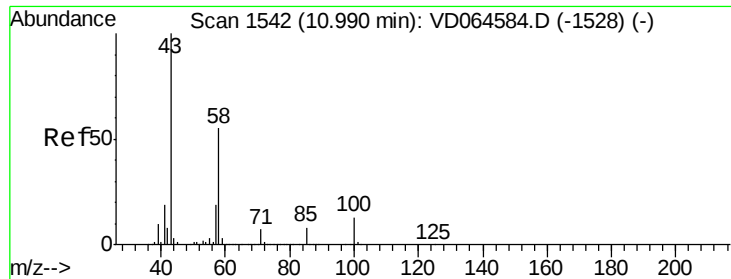
100000

50000

0

Time-->

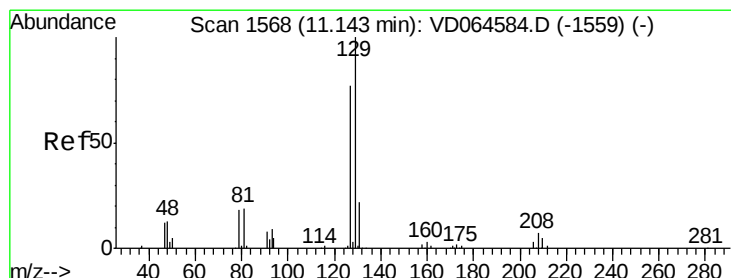
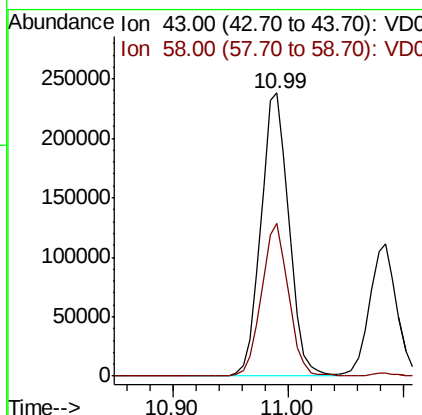
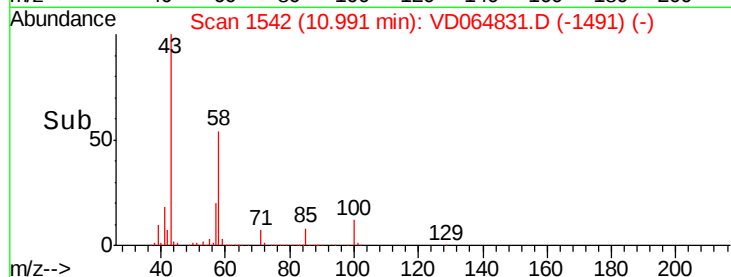
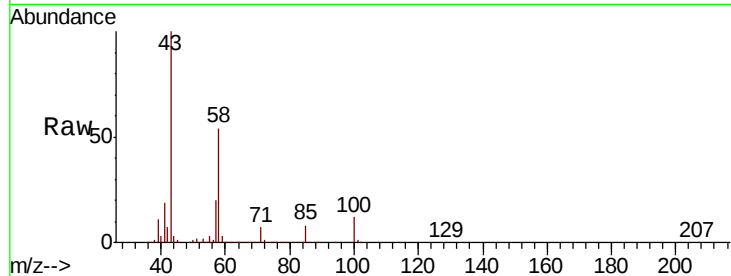




#59
2-Hexanone
Concen: 287.666 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

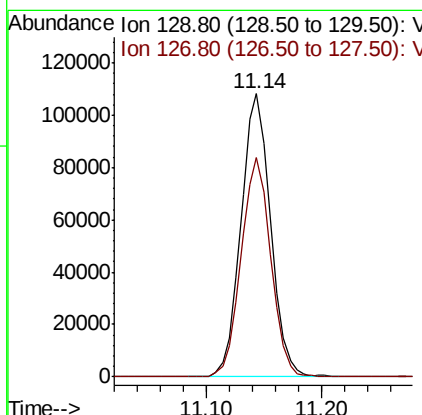
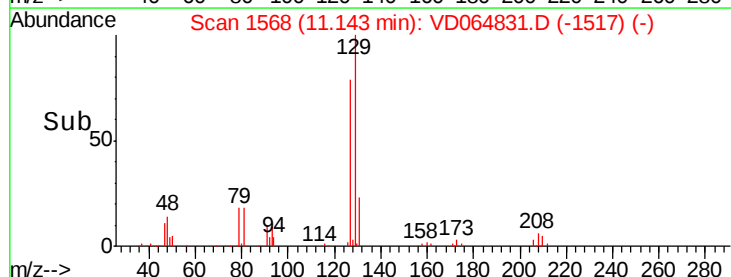
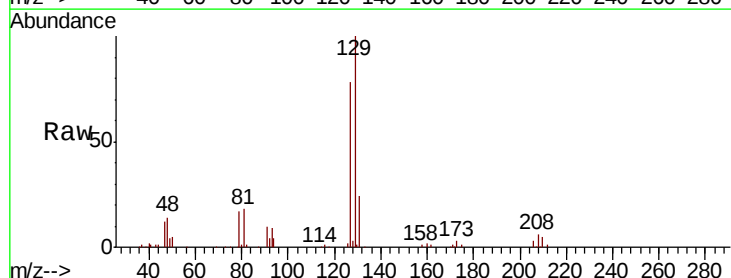
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

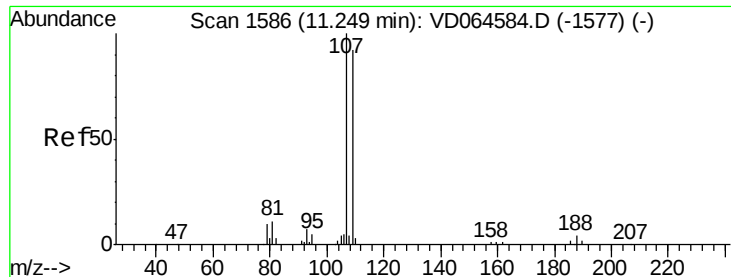
Tot Ion: 43 Resp: 404208
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0



#60
Dibromochloromethane
Concen: 52.991 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 129 Resp: 192233
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2

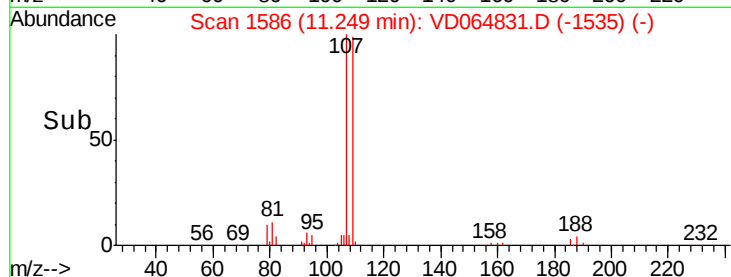
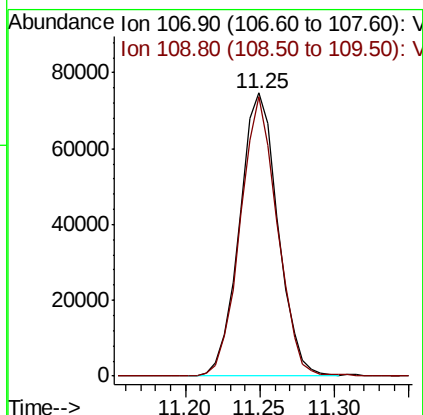
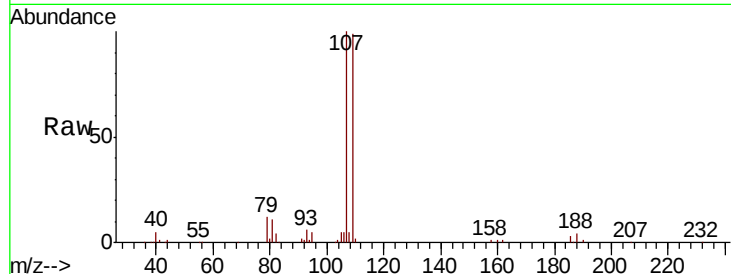




#61
 1,2-Dibromoethane
 Concen: 51.414 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

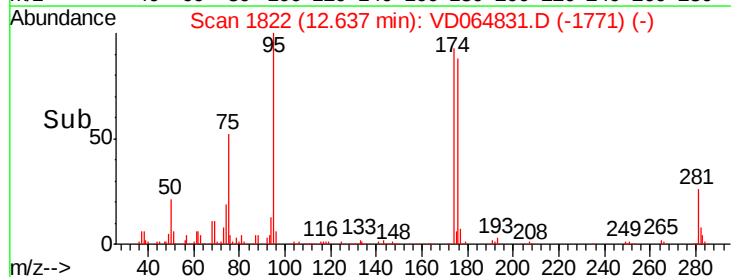
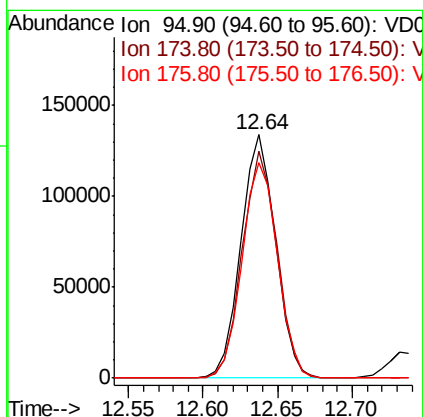
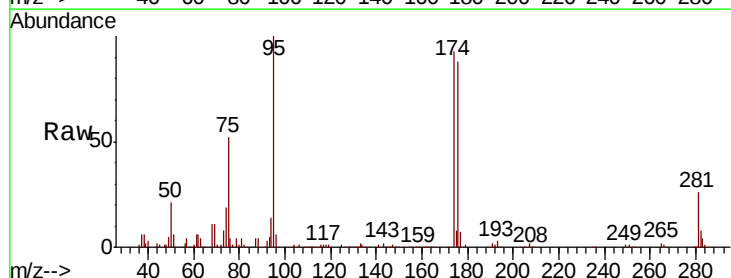
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

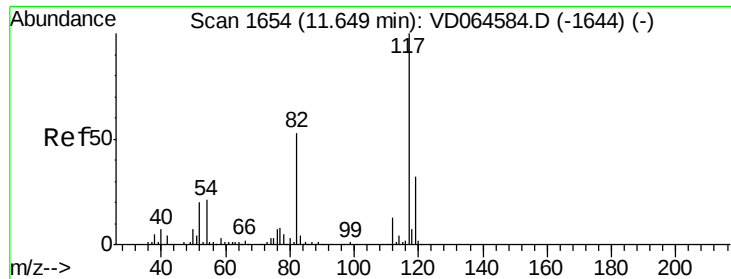
Tot Ion: 107 Resp: 133030
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.052 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion: 95 Resp: 215233
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 193.2
 176 90.5 0.0 184.2

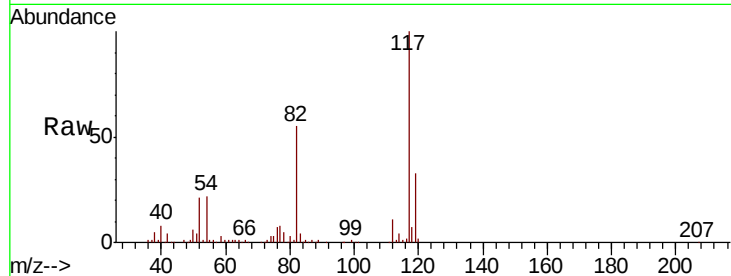




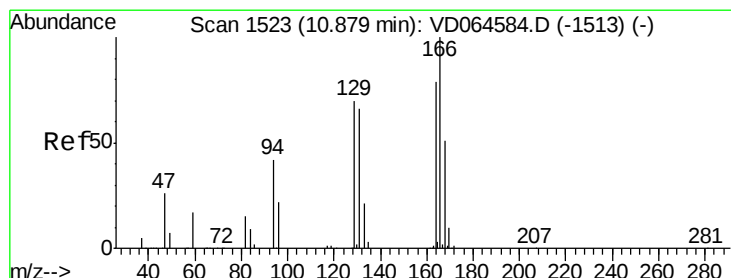
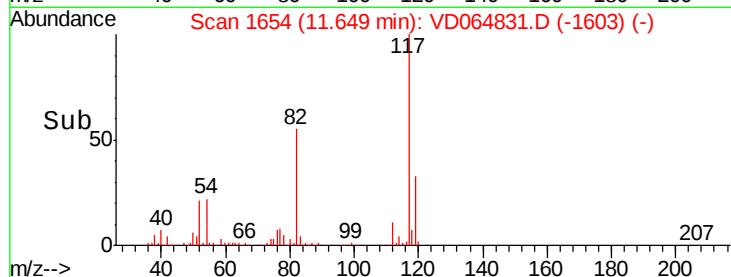
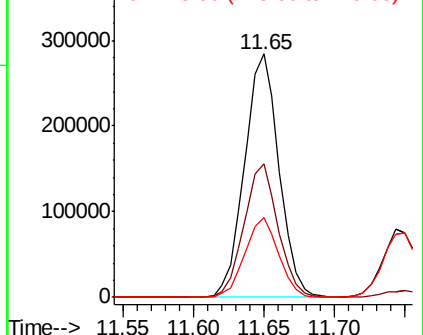
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 485616
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.8 26.0 39.0

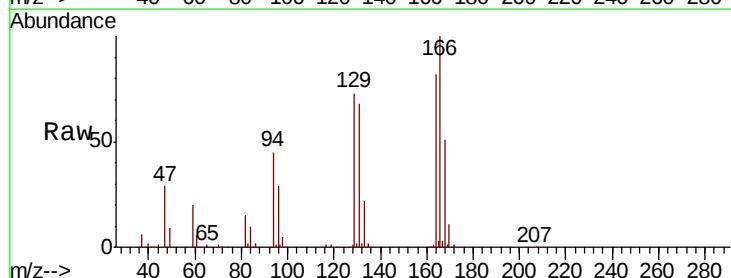


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

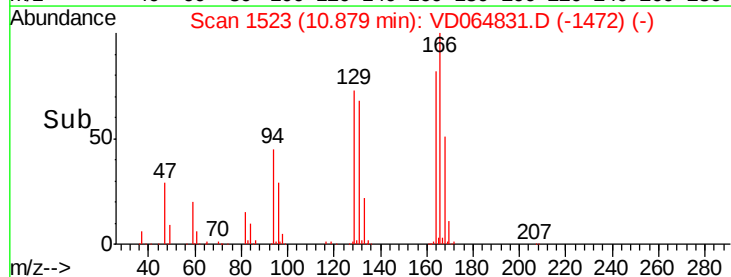
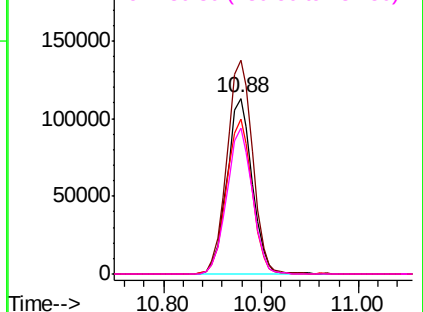


#64
Tetrachloroethene
Concen: 54.185 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:164 Resp: 201871
Ion Ratio Lower Upper
164 100
166 121.4 101.3 151.9
129 88.3 70.5 105.7
131 83.0 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

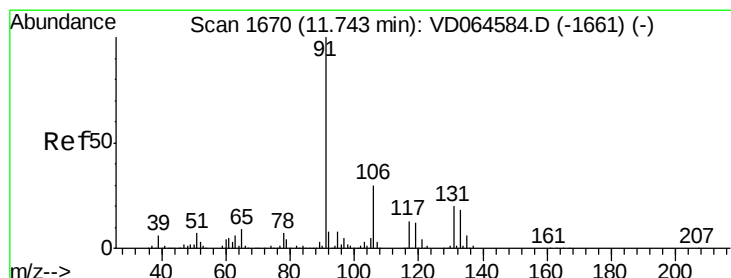
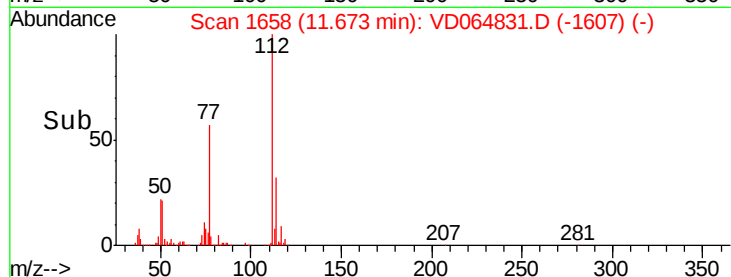
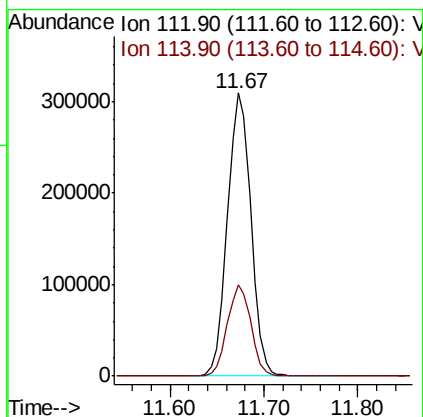
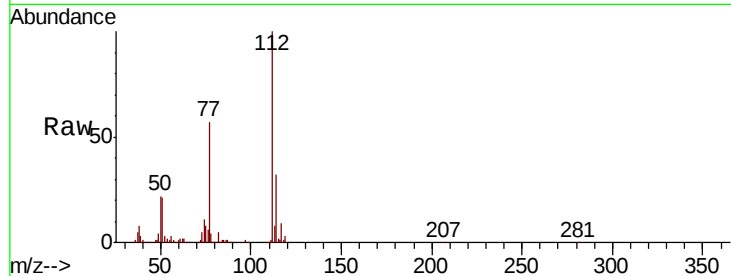




#65
Chlorobenzene
Concen: 53.272 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

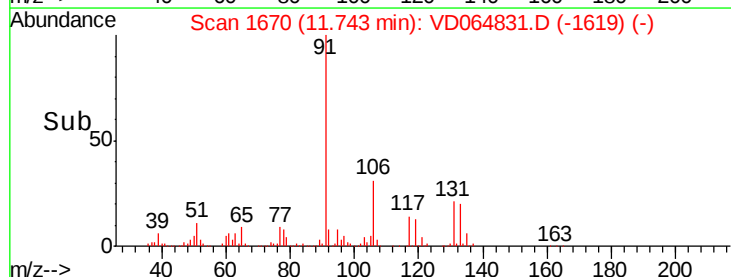
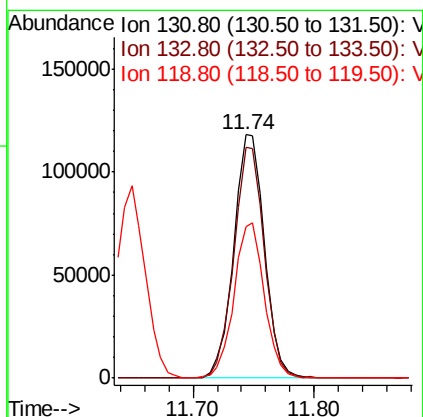
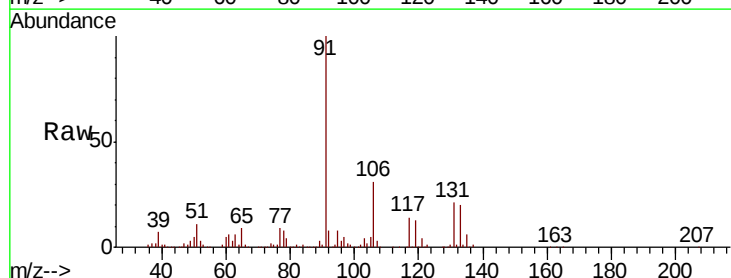
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 536925
Ion Ratio Lower Upper
112 100
114 32.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.079 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:131 Resp: 209279
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.8
119 63.2 32.1 96.3

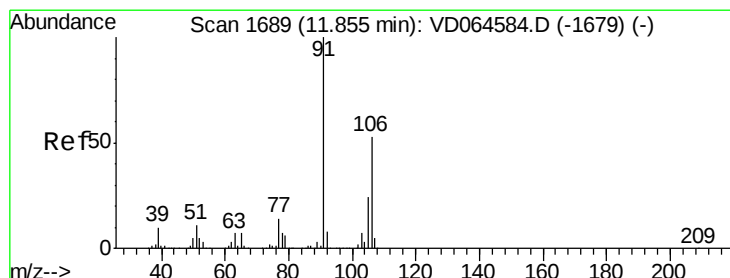
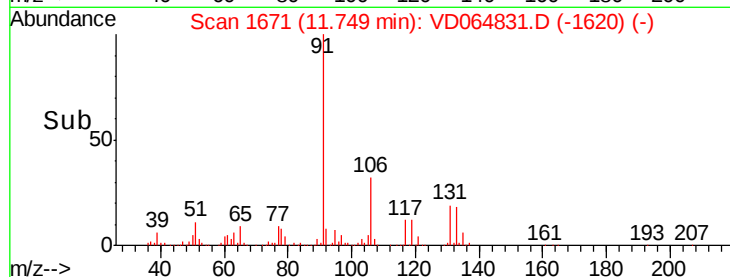
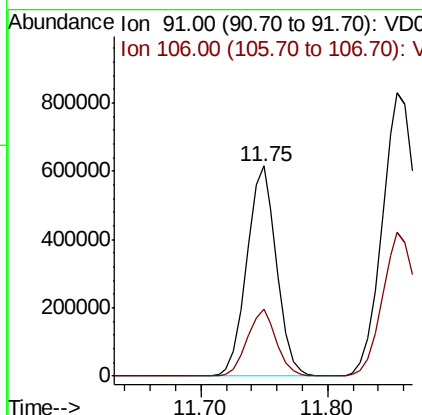
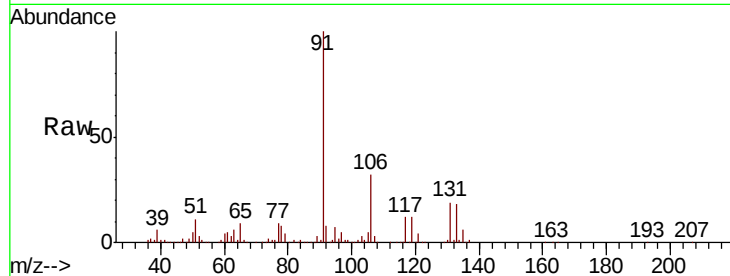




#67
Ethyl Benzene
Concen: 54.633 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

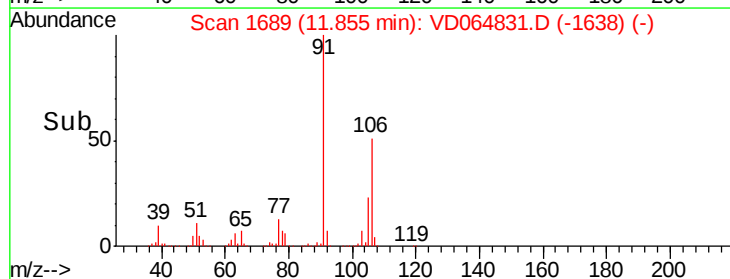
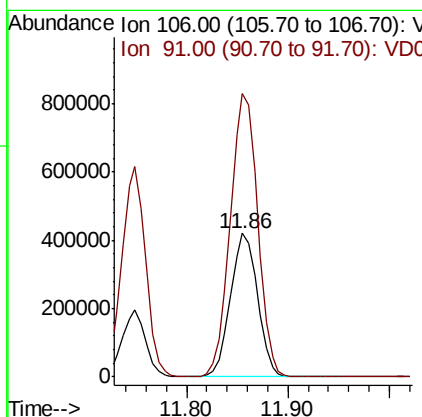
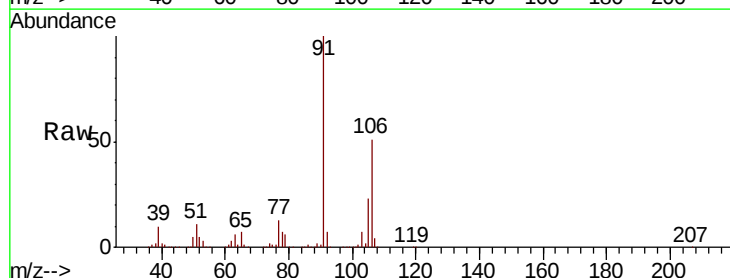
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

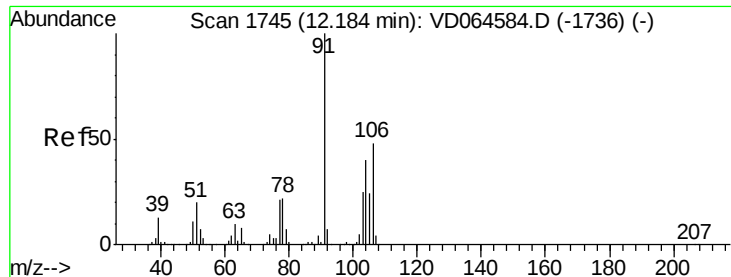
Tot Ion: 91 Resp: 999439
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8



#68
m/p-Xylenes
Concen: 110.743 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 106 Resp: 781957
Ion Ratio Lower Upper
106 100
91 199.7 156.3 234.5

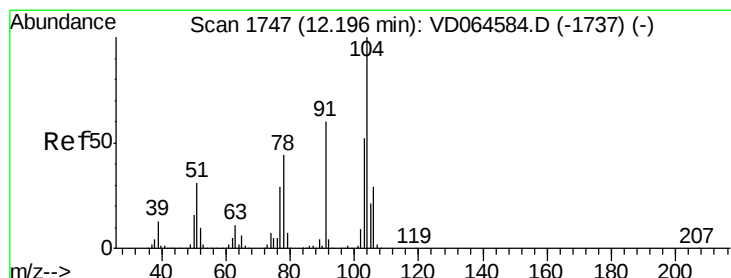
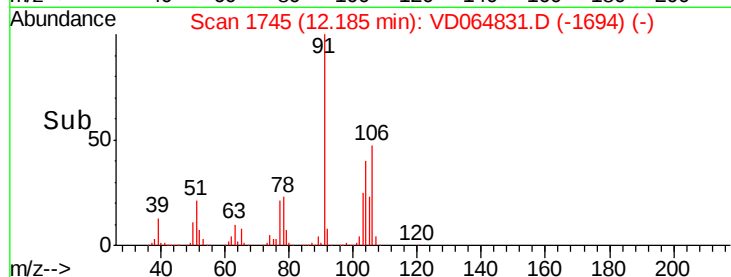
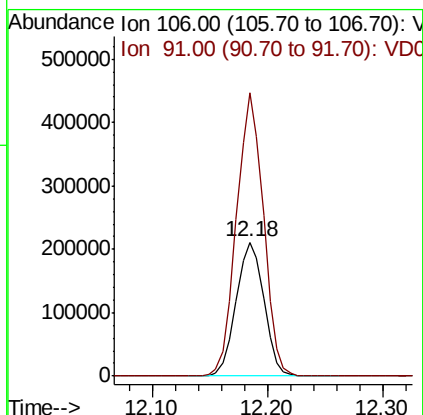
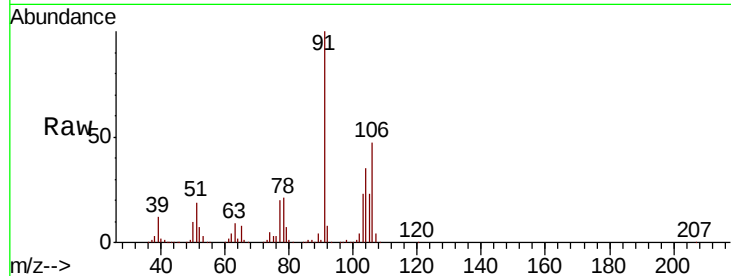




#69
o-Xylene
Concen: 55.120 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

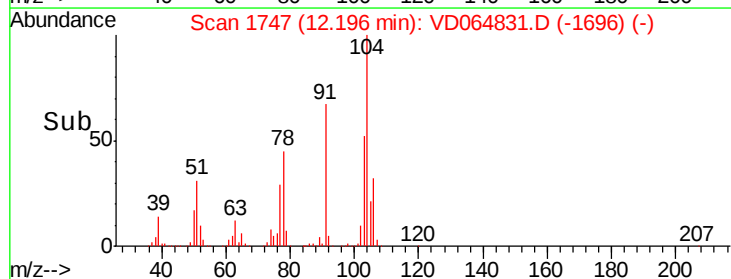
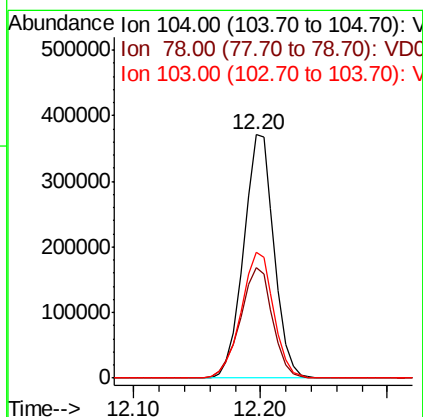
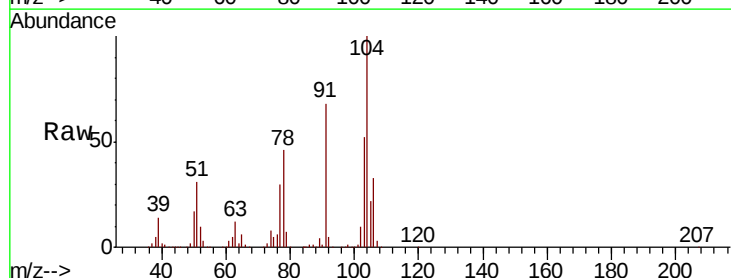
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

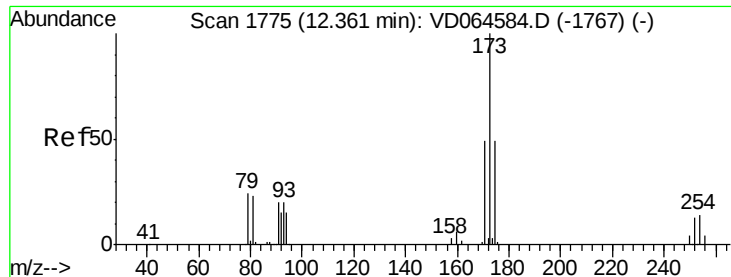
Tot Ion:106 Resp: 351550
Ion Ratio Lower Upper
106 100
91 205.6 104.8 314.4



#70
Styrene
Concen: 55.119 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:104 Resp: 617051
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 55.2 44.6 67.0

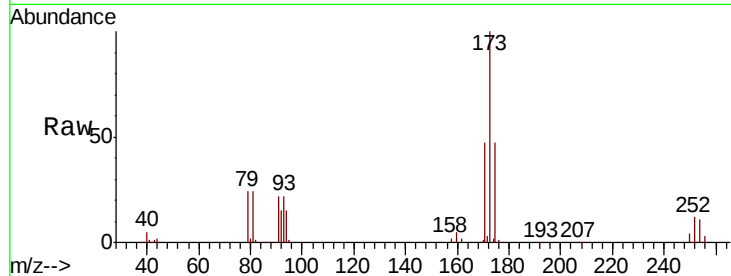




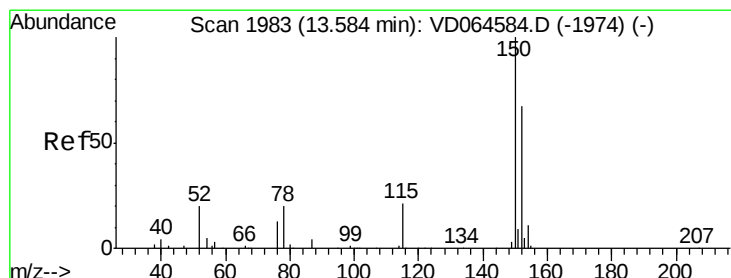
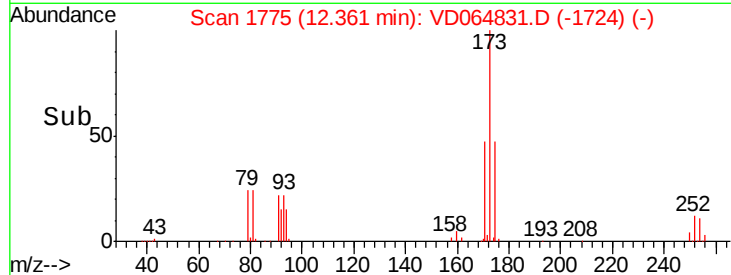
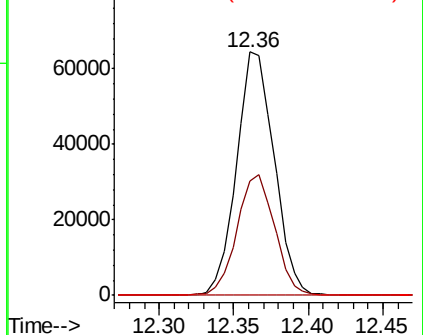
#71
Bromoform
Concen: 52.120 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 112934
Ion Ratio Lower Upper
173 100
175 49.7 24.6 73.8
254 0.1 0.1 0.1

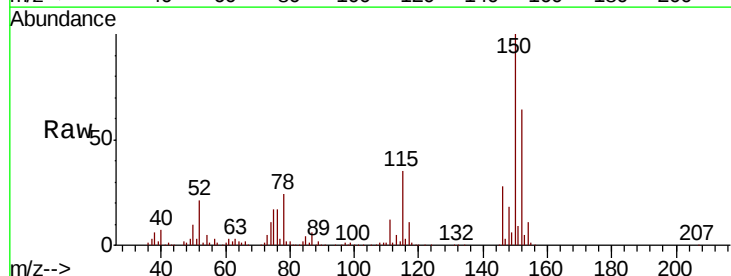


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

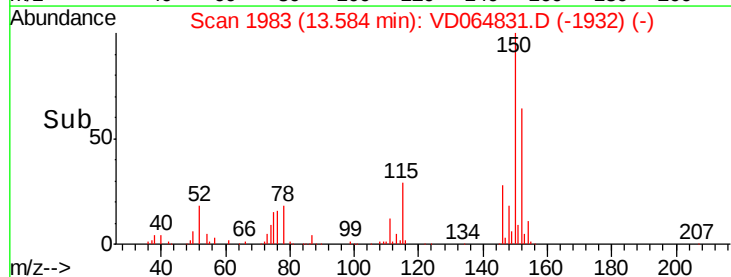
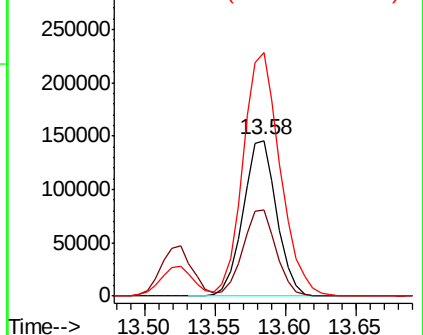


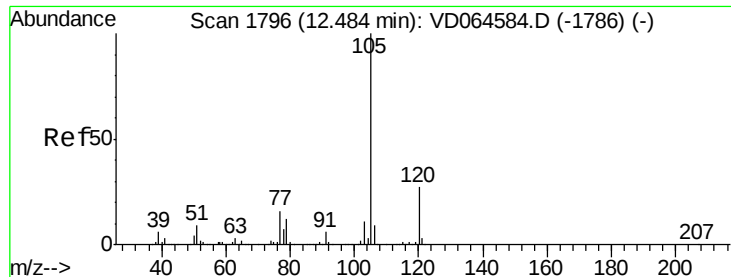
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:152 Resp: 242528
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 173.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 56.050 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

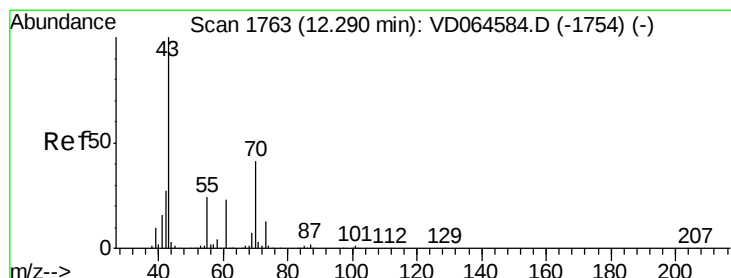
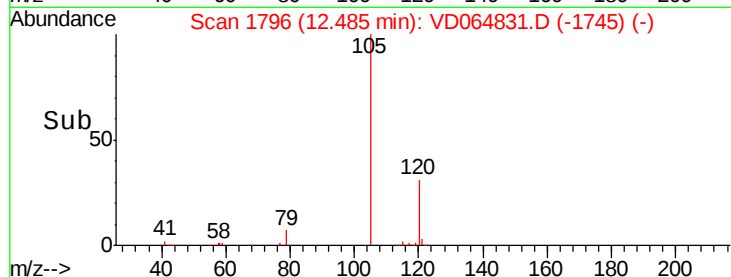
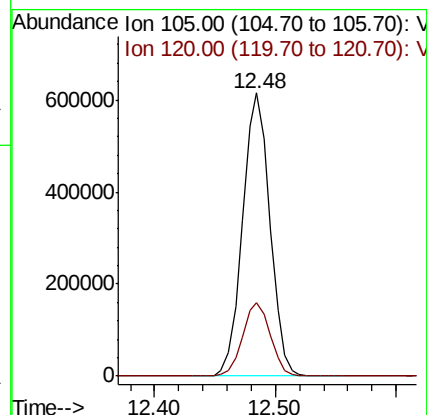
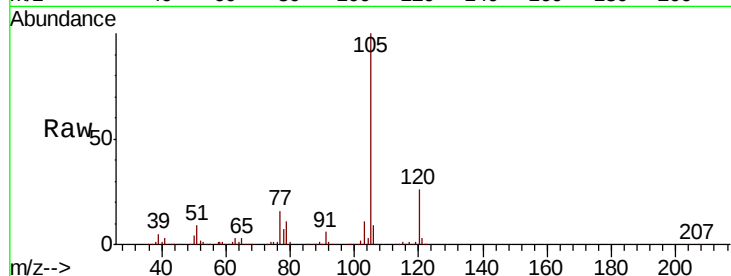
VSTDCCC050

Tot Ion:105 Resp: 971442

Ion Ratio Lower Upper

105 100

120 26.2 13.5 40.5



#74

N-ethyl acetate

Concen: 53.110 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion: 43 Resp: 196765

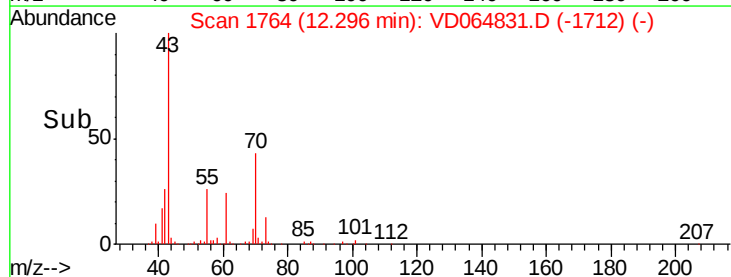
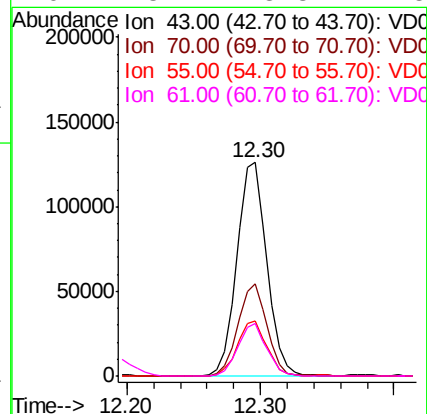
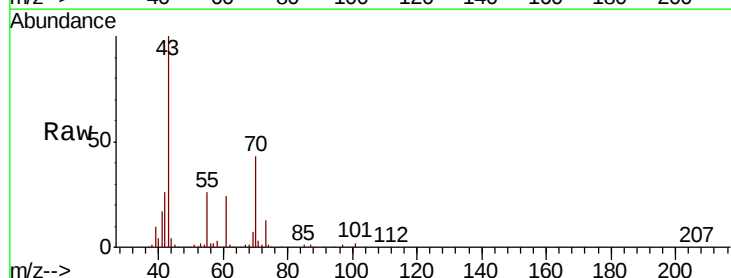
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.0

55 25.4 19.4 29.0

61 23.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.289 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

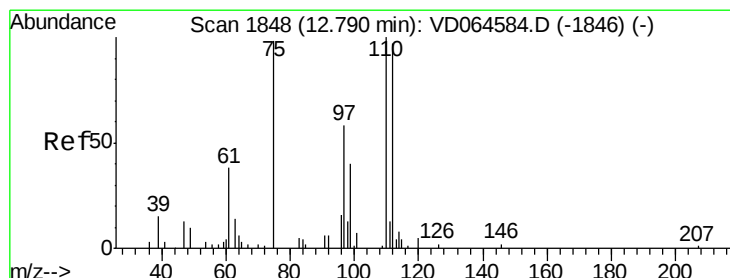
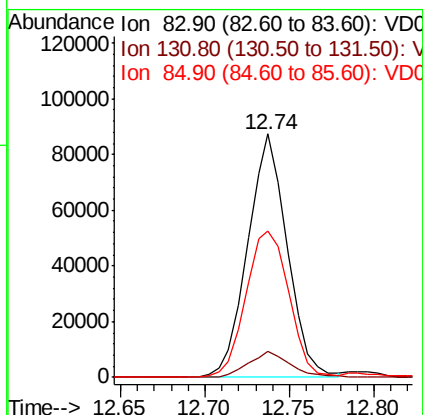
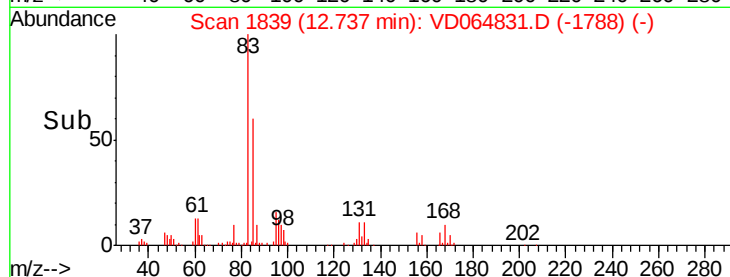
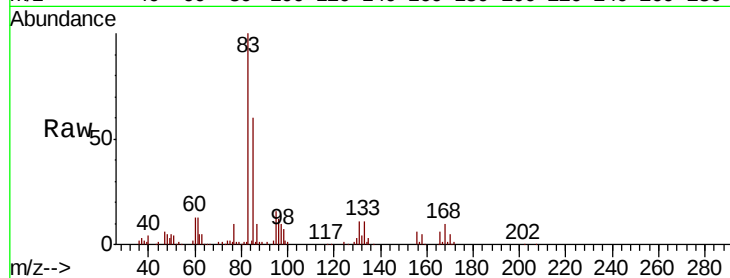
Tot Ion: 83 Resp: 142363

Ion Ratio Lower Upper

83 100

131 11.1 5.8 17.4

85 65.3 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 102.852 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064831.D

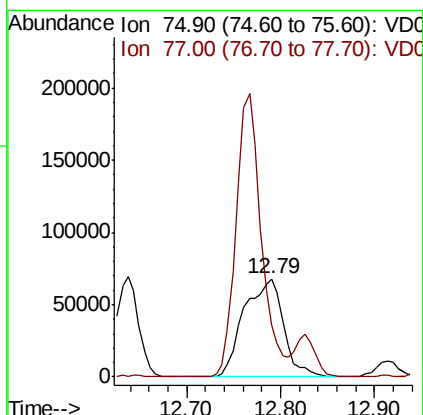
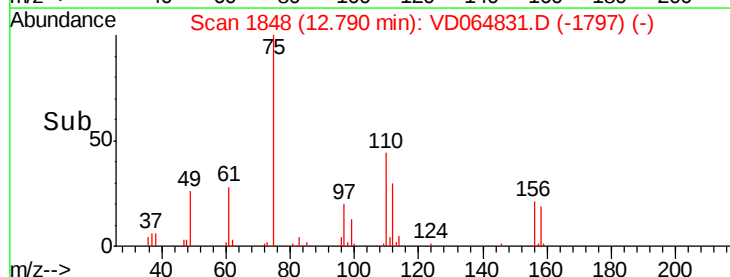
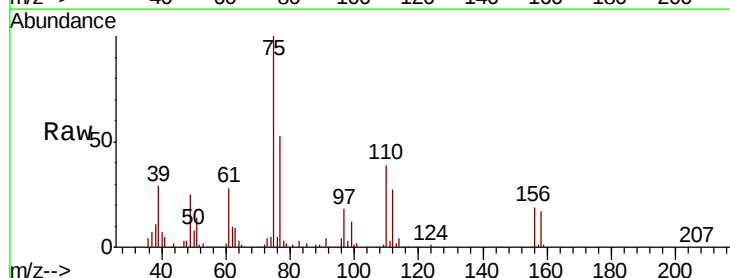
Acq: 10 Jan 2020 13:20

Tgt Ion: 75 Resp: 196977

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.721 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

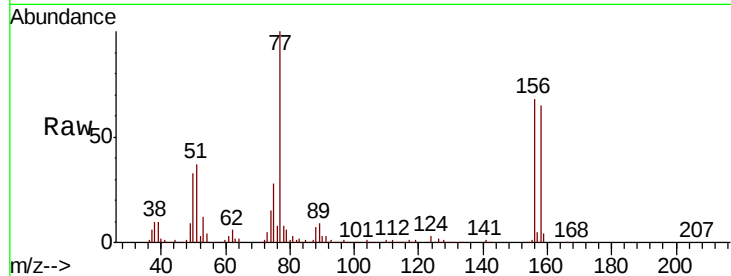
Tot Ion:156 Resp: 224517

Ion Ratio Lower Upper

156 100

77 164.4 80.9 242.7

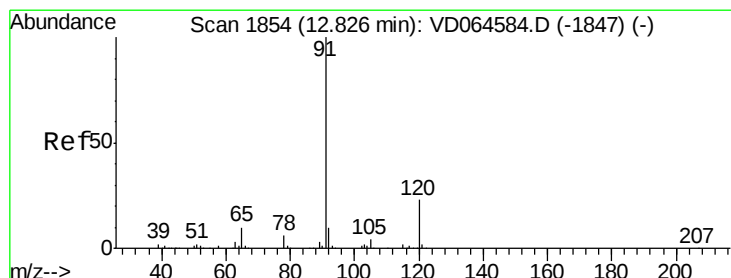
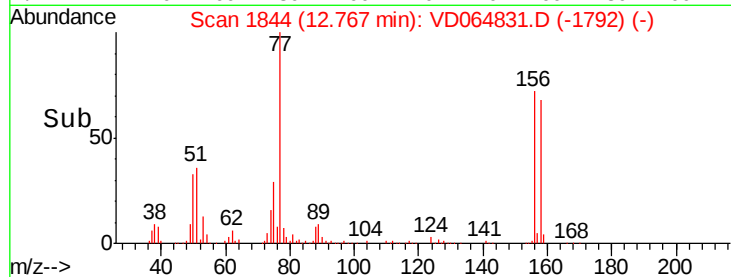
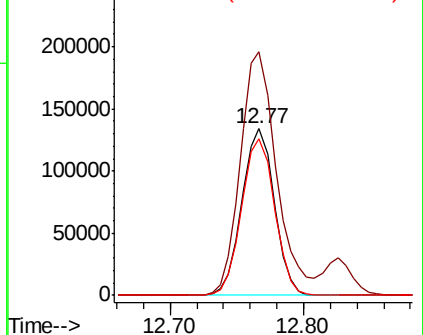
158 96.0 48.0 144.2



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: 55.878 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064831.D

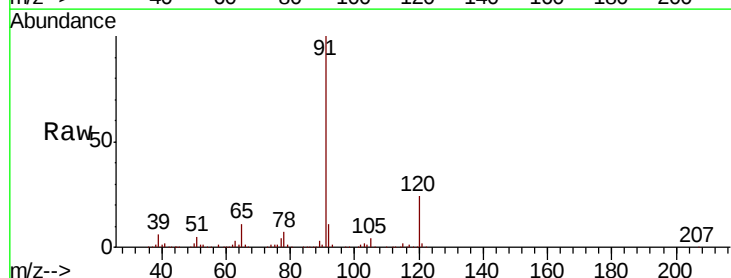
Acq: 10 Jan 2020 13:20

Tgt Ion: 91 Resp: 1129818

Ion Ratio Lower Upper

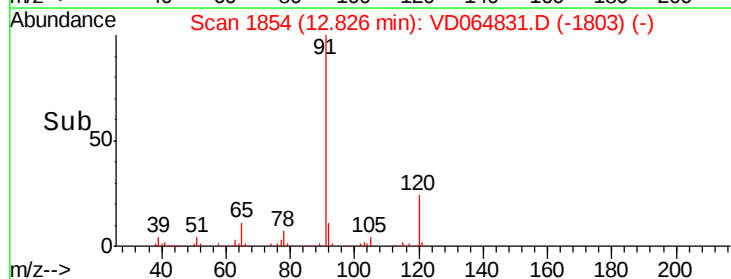
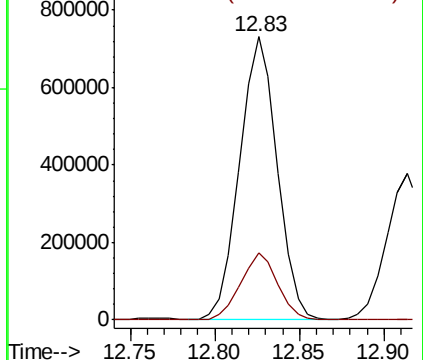
91 100

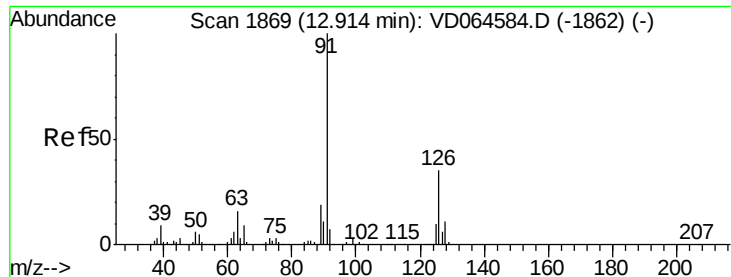
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.752 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

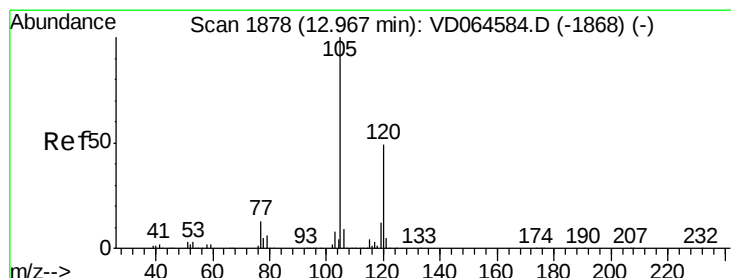
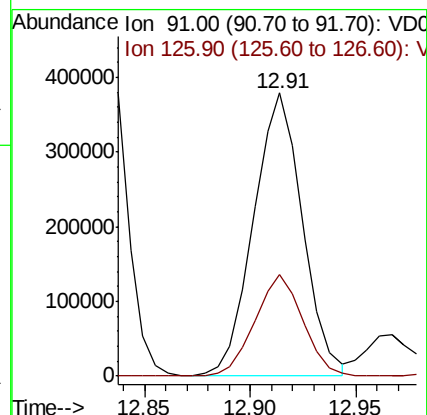
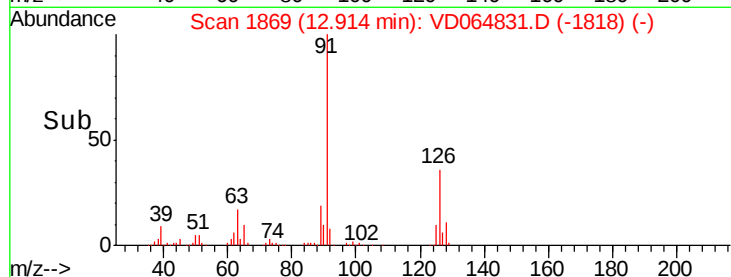
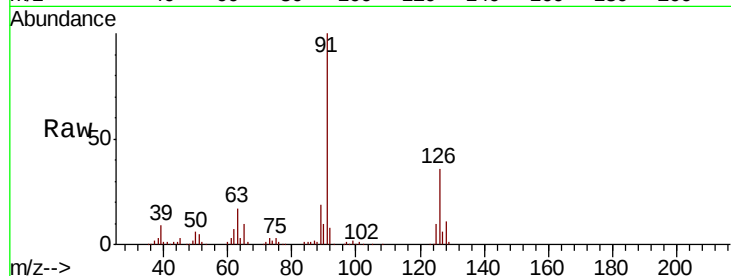
VSTDCCC050

Tot Ion: 91 Resp: 608155

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 54.390 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064831.D

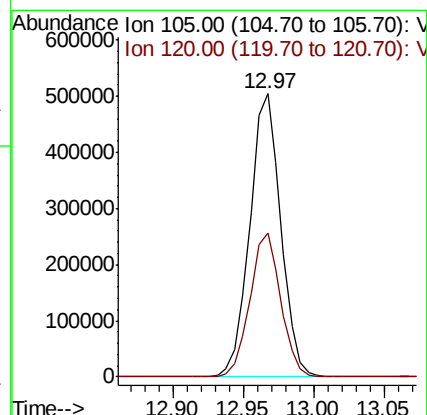
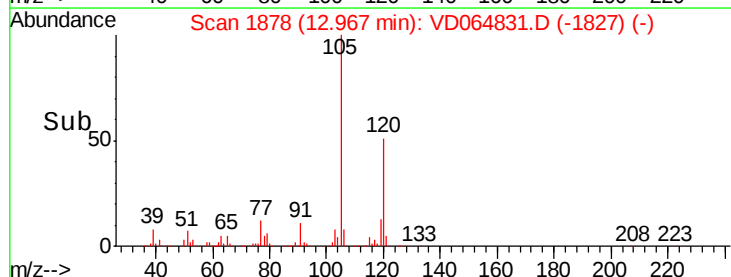
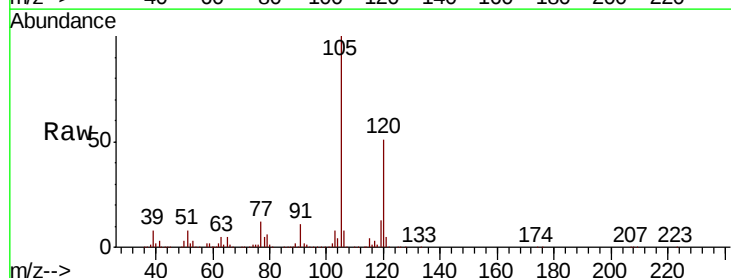
Acq: 10 Jan 2020 13:20

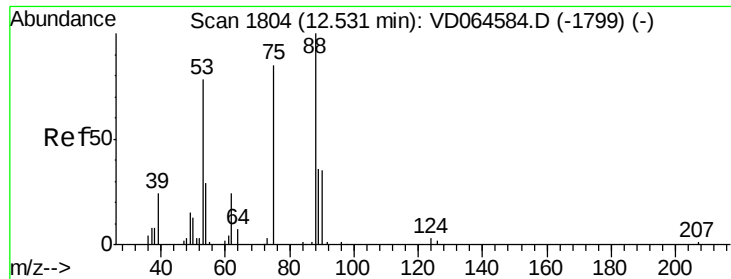
Tgt Ion: 105 Resp: 774352

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.220 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

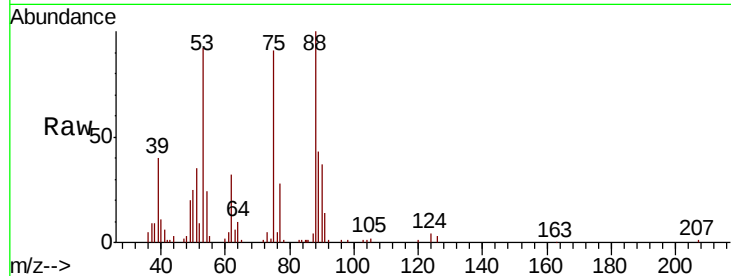
Tot Ion: 75 Resp: 48733

Ion Ratio Lower Upper

75 100

53 101.6 78.8 118.2

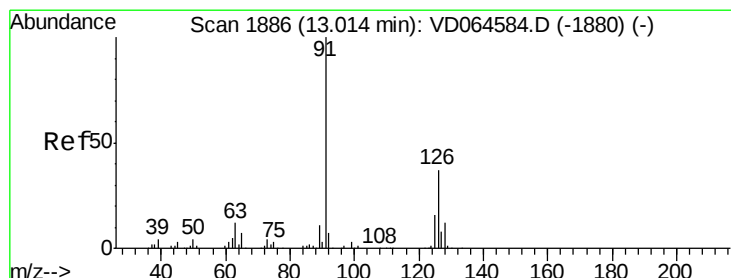
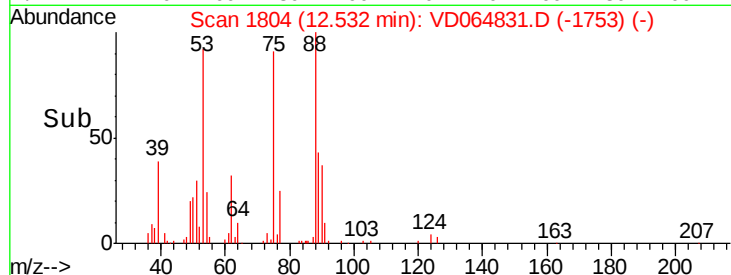
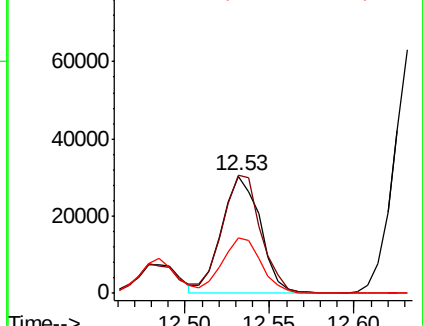
89 46.6 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 55.194 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064831.D

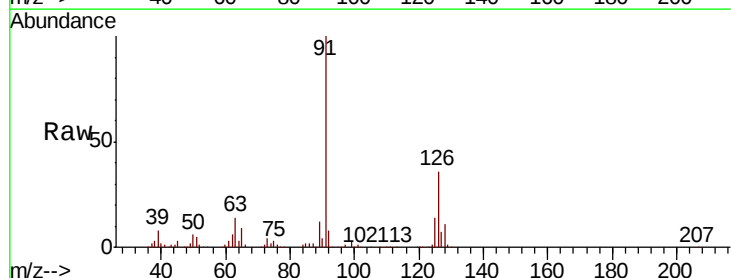
Acq: 10 Jan 2020 13:20

Tgt Ion: 91 Resp: 652410

Ion Ratio Lower Upper

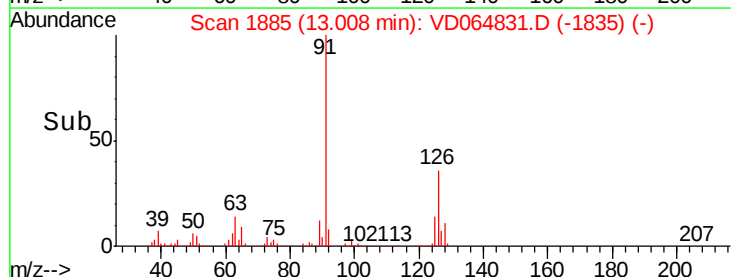
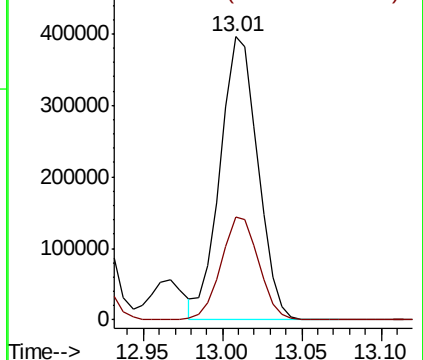
91 100

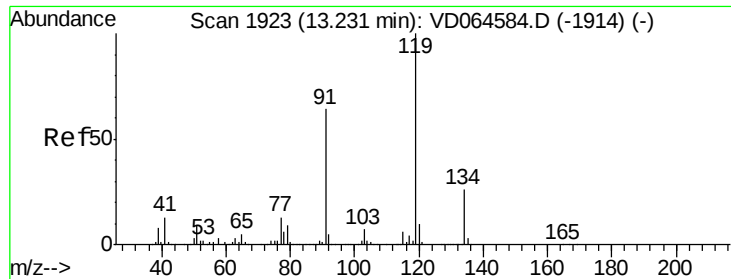
126 36.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

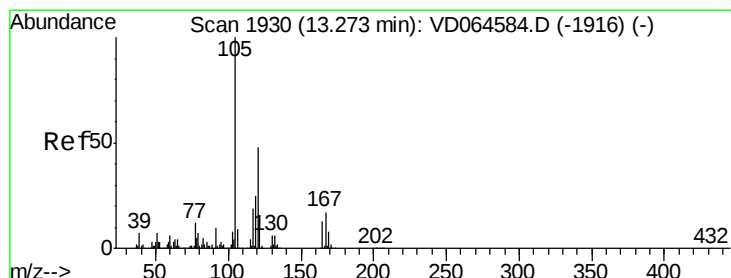
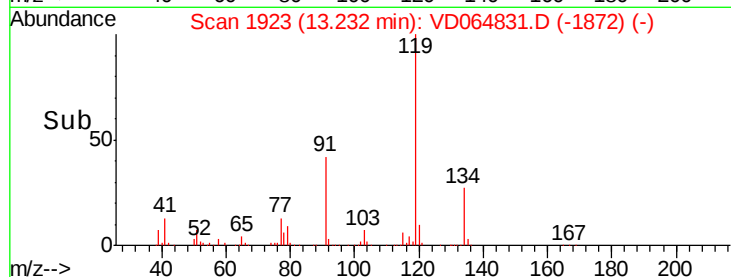
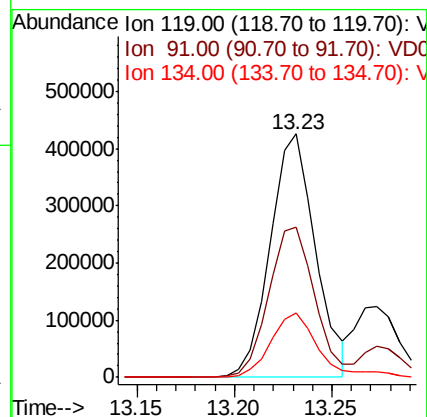
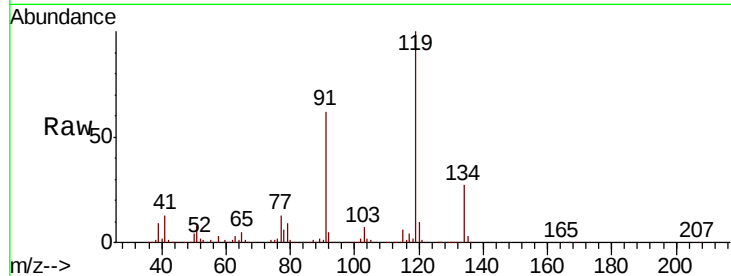




#83
tert-Butylbenzene
Concen: 55.429 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

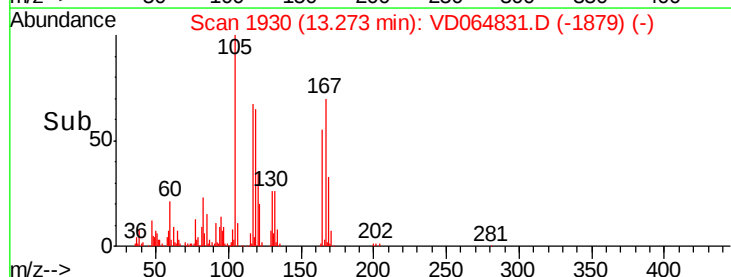
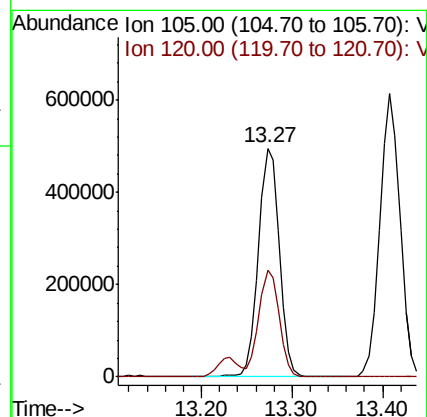
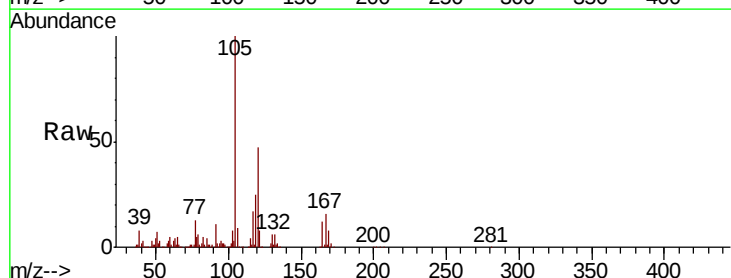
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

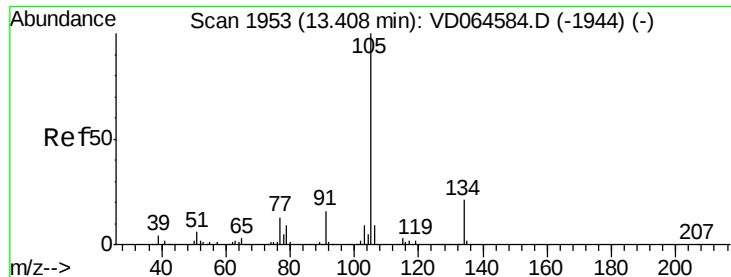
Tot Ion:119 Resp: 685174
Ion Ratio Lower Upper
119 100
91 63.5 30.8 92.4
134 27.9 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 55.752 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:105 Resp: 790515
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 55.862 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

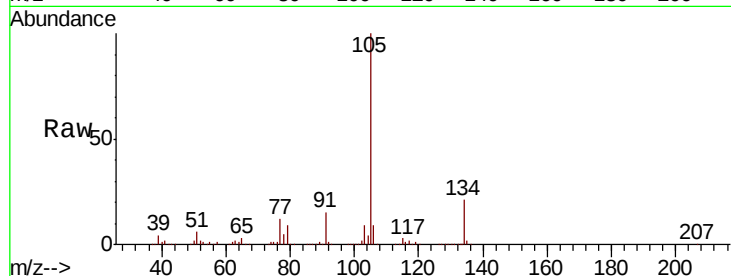
VSTDCCC050

Tot Ion:105 Resp: 946670

Ion Ratio Lower Upper

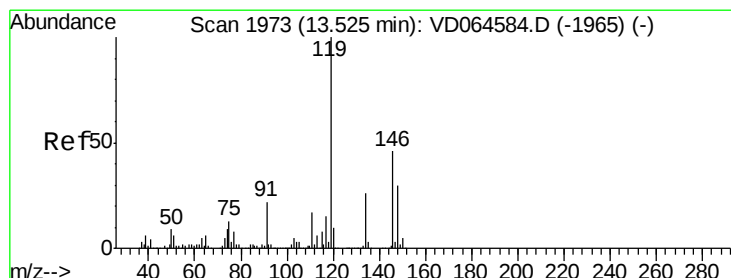
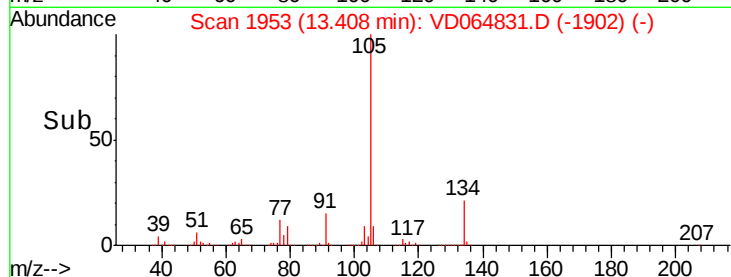
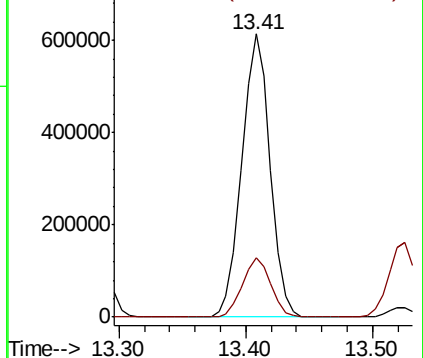
105 100

134 21.0 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.759 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

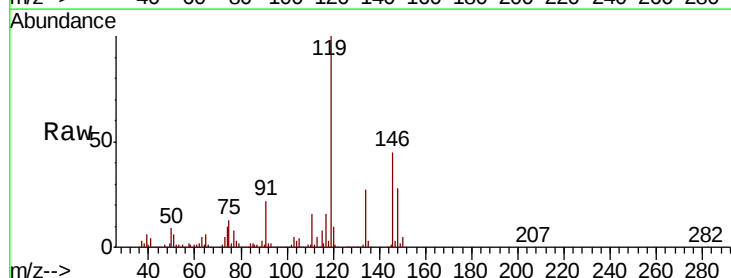
Tgt Ion:119 Resp: 903535

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

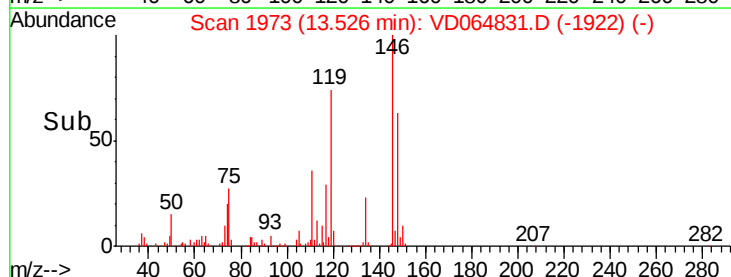
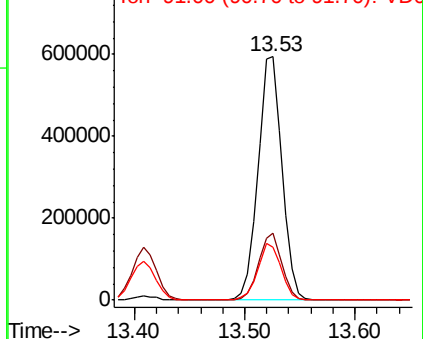
91 22.6 11.2 33.6

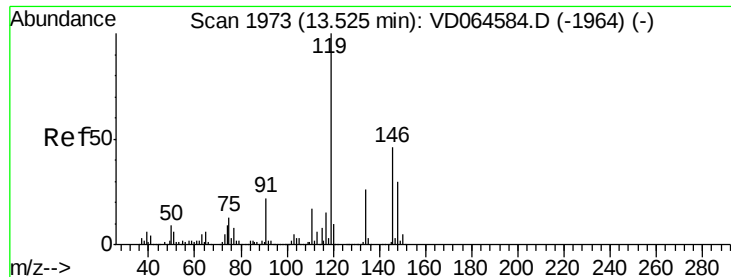


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.730 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

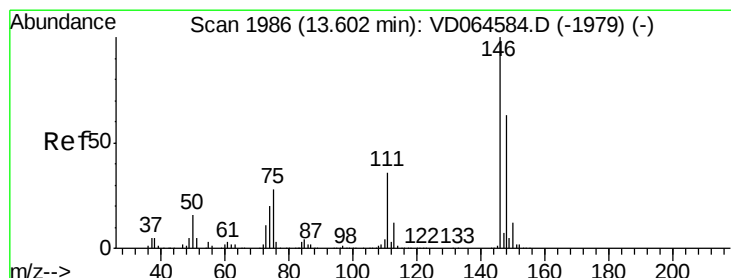
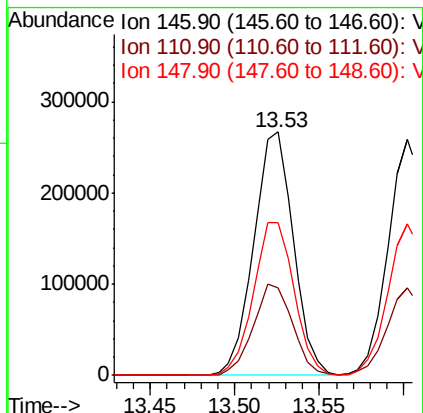
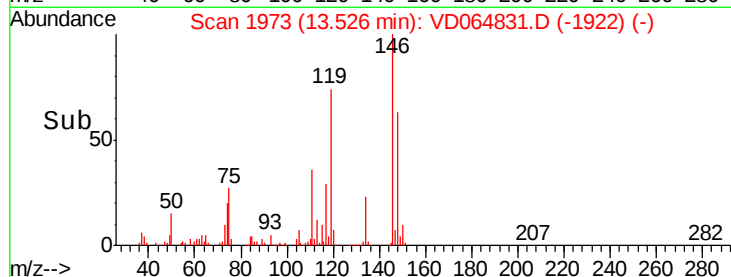
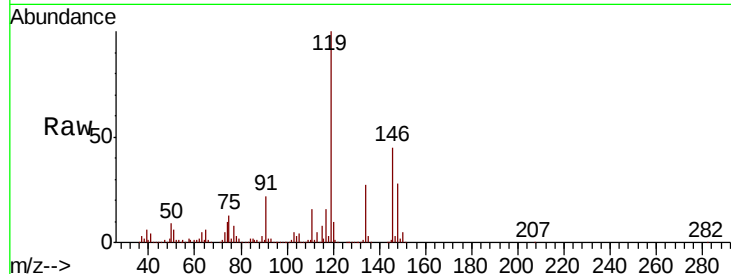
Tot Ion:146 Resp: 436202

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.4

148 64.4 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 52.743 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

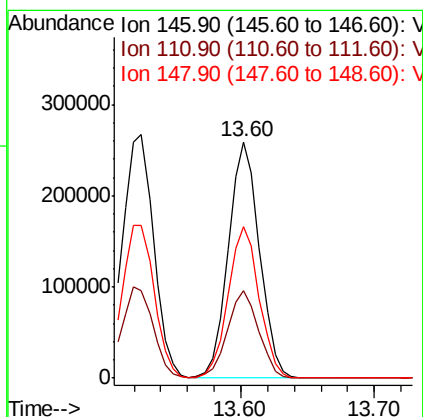
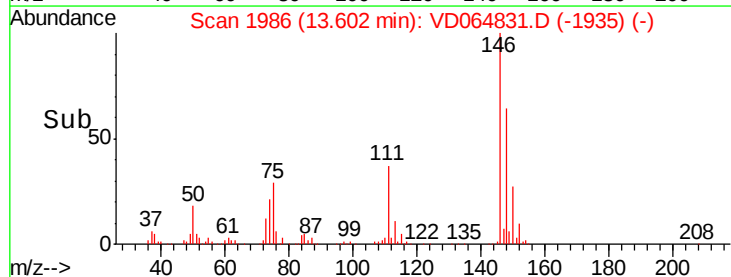
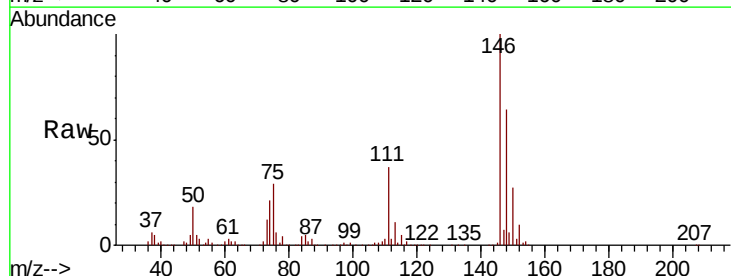
Tgt Ion:146 Resp: 420639

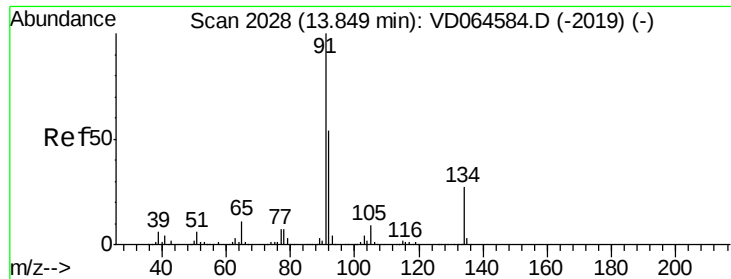
Ion Ratio Lower Upper

146 100

111 37.4 18.1 54.1

148 63.9 32.3 96.9

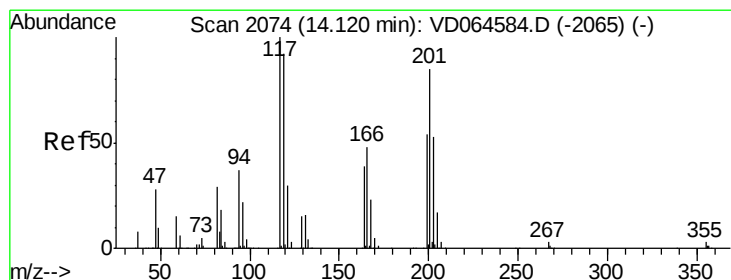
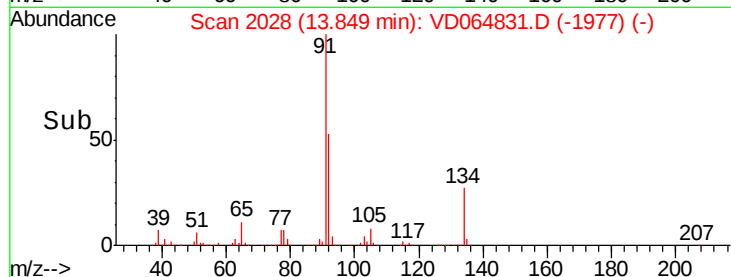
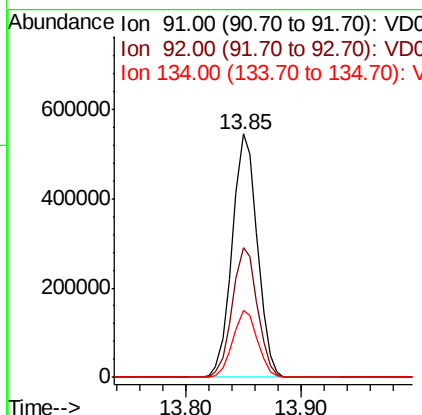
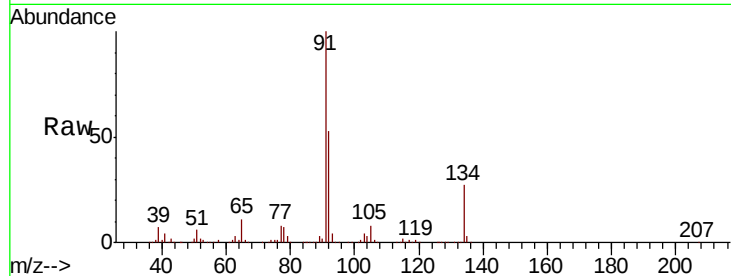




#89
n-Butylbenzene
Concen: 56.396 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

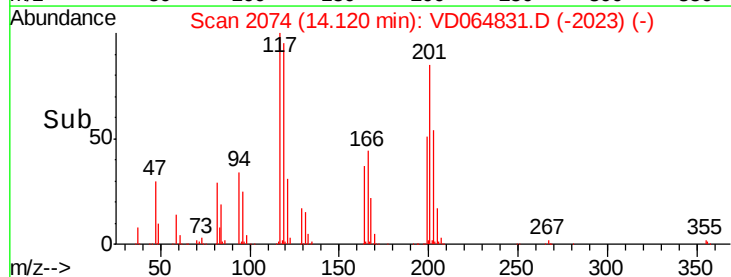
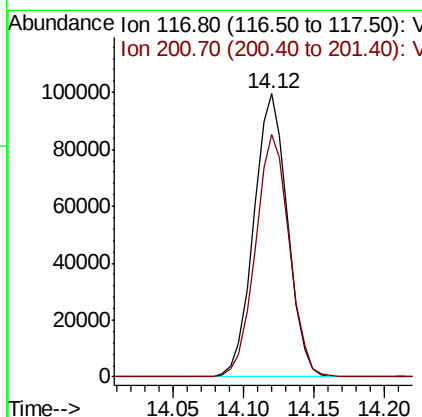
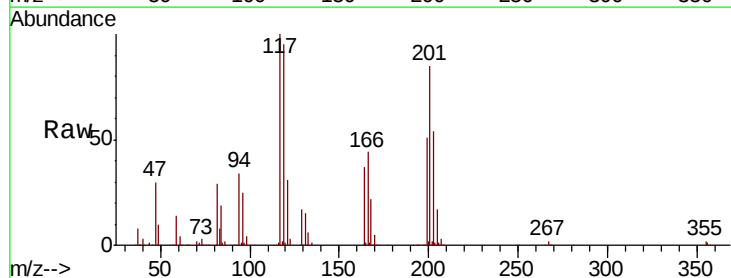
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

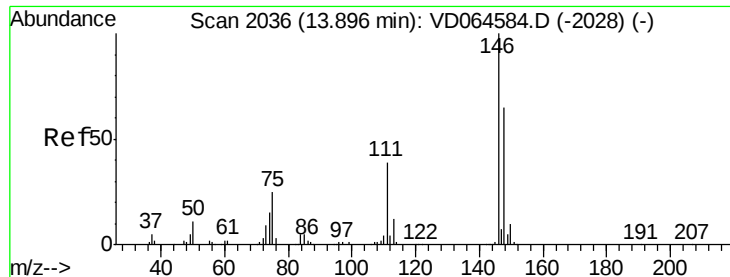
Tot Ion: 91 Resp: 822953
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 26.9 14.0 41.9



#90
Hexachloroethane
Concen: 54.021 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 117 Resp: 167213
Ion Ratio Lower Upper
117 100
201 85.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 52.522 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

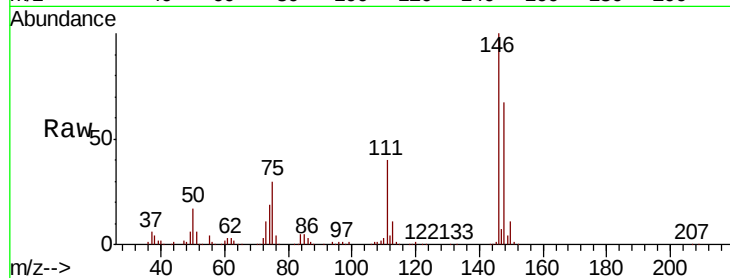
Tot Ion:146 Resp: 363585

Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.9

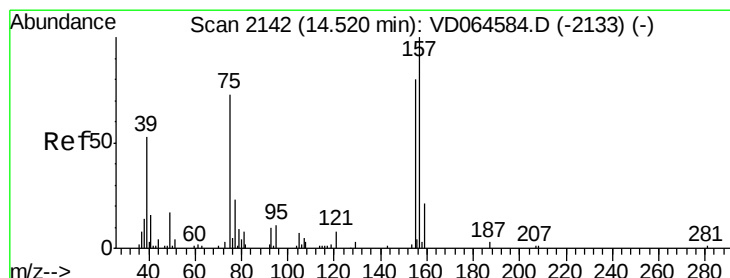
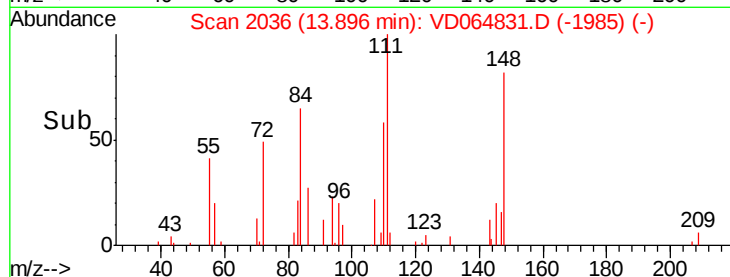
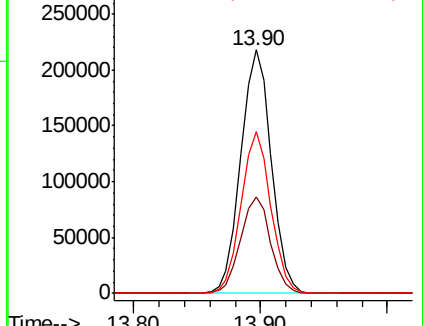
148 64.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.442 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

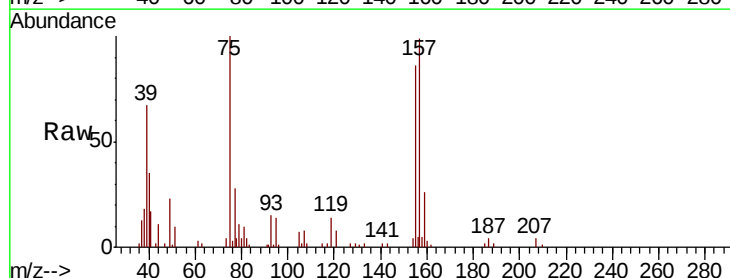
Tgt Ion: 75 Resp: 21822

Ion Ratio Lower Upper

75 100

155 94.1 48.0 144.0

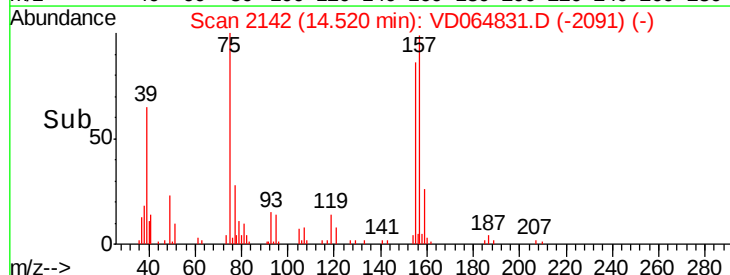
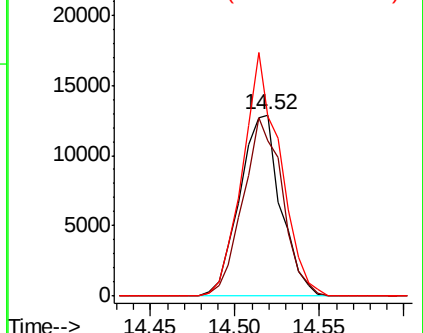
157 122.2 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

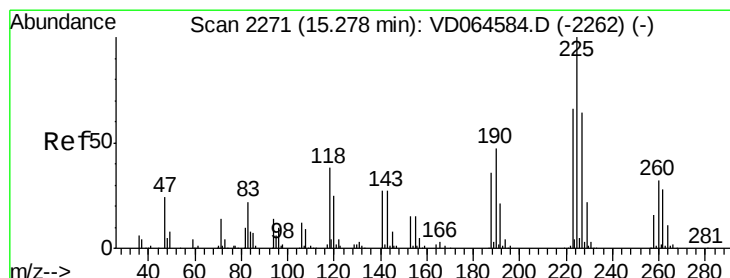
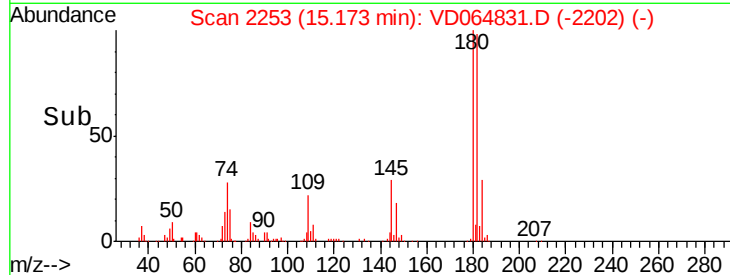
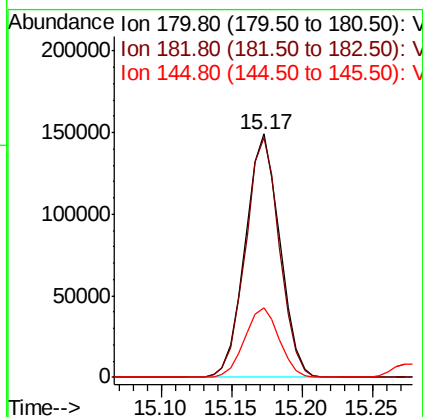
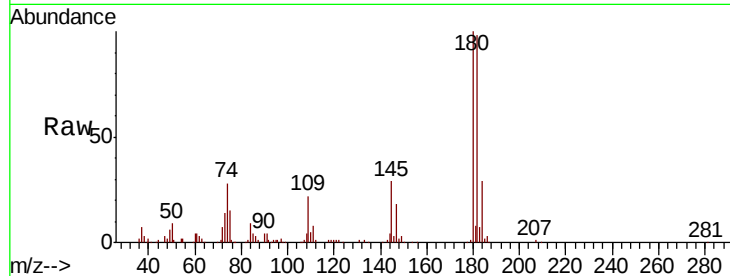




#93
 1,2,4-Trichlorobenzene
 Concen: 50.260 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

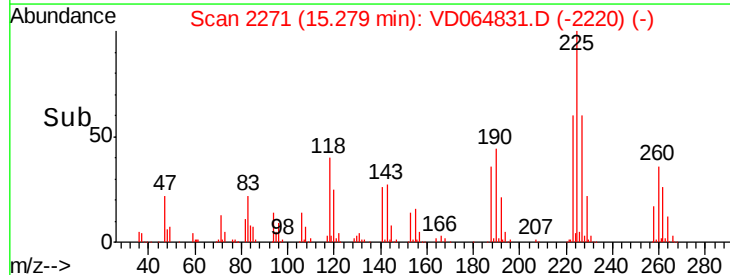
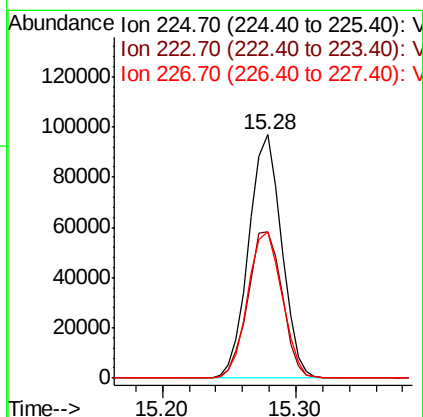
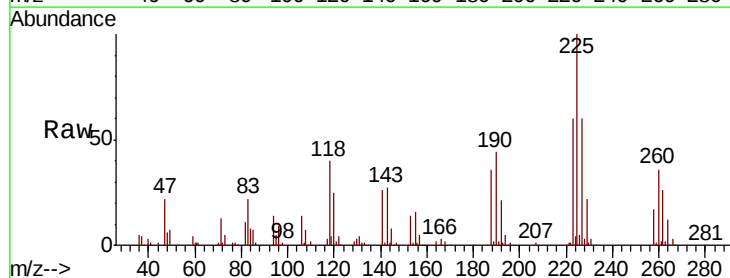
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

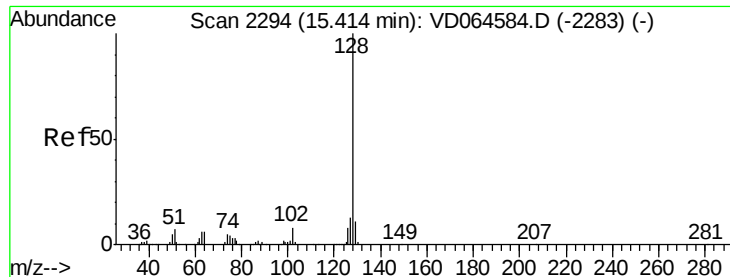
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	28.6	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 51.343 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.2
227	62.6	30.9	92.7

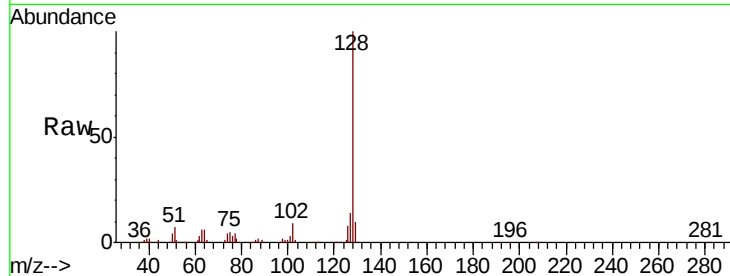




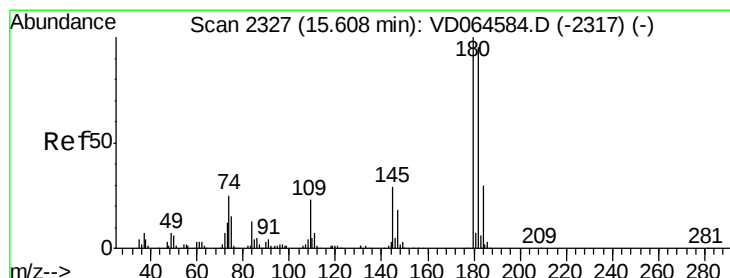
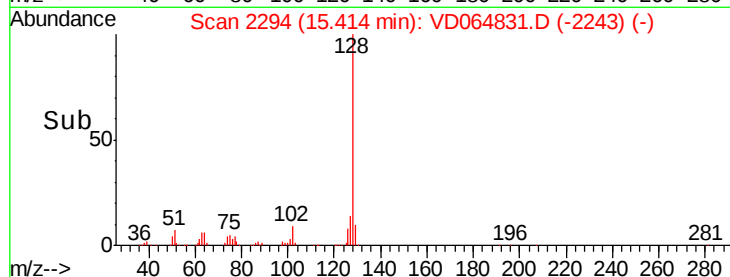
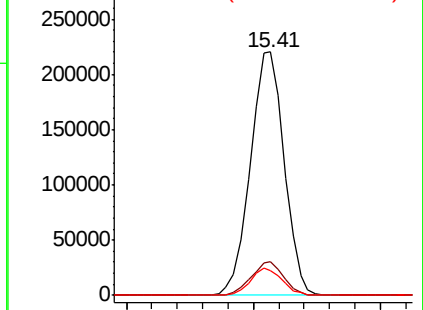
#95
Naphthalene
Concen: 50.878 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 410266
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.5 8.5 12.7

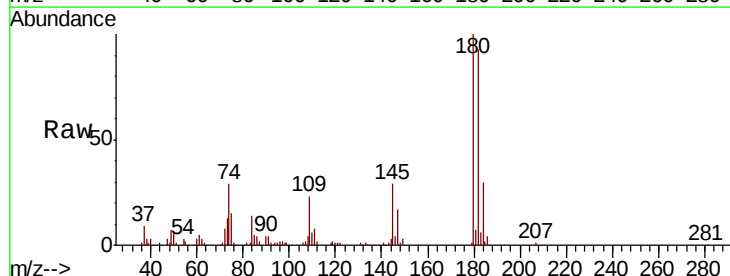


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.001 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion:180 Resp: 221930
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.7
145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

