

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065636.D
 Acq On : 15 Apr 2020 15:32
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 15 18:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	233217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	319131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	309471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161071	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	102513	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.92	113	102600	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.34	98	383600	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.64	95	130026	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	102363	49.217	ug/l 100
3) Chloromethane	2.21	50	105422	41.527	ug/l 100
4) Vinyl Chloride	2.35	62	113857	47.361	ug/l 100
5) Bromomethane	2.77	94	59117	35.995	ug/l 100
6) Chloroethane	2.92	64	67430	45.559	ug/l 100
7) Trichlorofluoromethane	3.27	101	159887	44.084	ug/l 100
8) Diethyl Ether	3.71	74	35714	47.931	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	72998	32.618	ug/l 100
10) Methyl Iodide	4.30	142	91506	41.640	ug/l 100
11) Tert butyl alcohol	5.24	59	20427	193.337	ug/l 100
12) 1,1-Dichloroethene	4.06	96	65788	31.977	ug/l 100
13) Acrolein	3.93	56	26261	178.612	ug/l 100
14) Allyl chloride	4.71	41	104966	34.363	ug/l 100
15) Acrylonitrile	5.43	53	81039	189.612	ug/l 100
16) Acetone	4.16	43	72575	190.741	ug/l 100
17) Carbon Disulfide	4.40	76	222041	32.456	ug/l 100
18) Methyl Acetate	4.71	43	40017	36.172	ug/l 100
19) Methyl tert-butyl Ether	5.49	73	162216	40.036	ug/l 100
20) Methylene Chloride	4.96	84	78157	31.682	ug/l 100
21) trans-1,2-Dichloroethene	5.47	96	80985	34.629	ug/l 100
22) Diisopropyl ether	6.37	45	340848	53.560	ug/l 100
23) Vinyl Acetate	6.31	43	955847	281.610	ug/l 100
24) 1,1-Dichloroethane	6.26	63	196849	47.042	ug/l 100
25) 2-Butanone	7.22	43	148507	267.545	ug/l 100
26) 2,2-Dichloropropane	7.21	77	168710	45.264	ug/l 100
27) cis-1,2-Dichloroethene	7.21	96	123589	48.385	ug/l 100
28) Bromochloromethane	7.55	49	81997	48.224	ug/l 100
29) Tetrahydrofuran	7.57	42	98357	280.155	ug/l 100
30) Chloroform	7.71	83	201828	46.144	ug/l 100
31) Cyclohexane	7.99	56	184989	47.356	ug/l 100
32) 1,1,1-Trichloroethane	7.90	97	179108	45.530	ug/l 100
36) 1,1-Dichloropropene	8.11	75	160138	49.519	ug/l 100
37) Ethyl Acetate	7.30	43	71296	56.914	ug/l 100
38) Carbon Tetrachloride	8.10	117	169978	48.382	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	194068	53.016	ug/l	100
40) Benzene	8.36	78	461715	49.819	ug/l	100
41) Methacrylonitrile	7.57	41	97332	137.124	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	132045	50.379	ug/l	100
43) Isopropyl Acetate	8.46	43	125768	55.743	ug/l	100
44) Trichloroethene	9.11	130	126908	47.933	ug/l	100
45) 1,2-Dichloropropane	9.39	63	116149	51.074	ug/l	100
46) Dibromomethane	9.48	93	61329	50.034	ug/l	100
47) Bromodichloromethane	9.67	83	160423	50.153	ug/l	100
48) Methyl methacrylate	9.46	41	66638	61.935	ug/l	100
49) 1,4-Dioxane	9.47	88	15051	1129.039	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	336573	287.221	ug/l	100
52) Toluene	10.41	92	294204	50.365	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	155808	54.296	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	183458	52.570	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	88051	50.856	ug/l	100
56) Ethyl methacrylate	10.67	69	103121	58.813	ug/l	100
57) 1,3-Dichloropropane	10.95	76	149045	51.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	249493	273.333	ug/l	100
59) 2-Hexanone	10.99	43	233752	298.783	ug/l	100
60) Dibromochloromethane	11.14	129	114806	50.229	ug/l	100
61) 1,2-Dibromoethane	11.25	107	84918	51.571	ug/l	100
64) Tetrachloroethene	10.88	164	112441	46.764	ug/l	100
65) Chlorobenzene	11.67	112	313284	47.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	119323	47.753	ug/l	100
67) Ethyl Benzene	11.75	91	549013	50.749	ug/l	100
68) m/p-Xylenes	11.86	106	429741	101.044	ug/l	100
69) o-Xylene	12.18	106	191464	52.050	ug/l	100
70) Styrene	12.20	104	347426	53.361	ug/l	100
71) Bromoform	12.37	173	70730	49.547	ug/l #	100
73) Isopropylbenzene	12.48	105	519546	51.834	ug/l	100
74) N-amyl acetate	12.30	43	117592	57.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	94257	49.967	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	123659	93.269	ug/l #	100
77) Bromobenzene	12.77	156	135949	49.135	ug/l	100
78) n-propylbenzene	12.83	91	627228	51.764	ug/l	100
79) 2-Chlorotoluene	12.91	91	350484	50.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	445864	52.487	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	32975	58.294	ug/l	100
82) 4-Chlorotoluene	13.01	91	376666	50.126	ug/l	100
83) tert-Butylbenzene	13.23	119	369872	52.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	443728	52.700	ug/l	100
85) sec-Butylbenzene	13.41	105	524617	51.971	ug/l	100
86) p-Isopropyltoluene	13.53	119	493855	53.055	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	260490	48.610	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	259241	48.410	ug/l	100
89) n-Butylbenzene	13.85	91	447570	53.061	ug/l	100
90) Hexachloroethane	14.12	117	97125	47.664	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	227802	49.808	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14530	49.535	ug/l	100

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QLast Update : Wed Apr 15 18:47:17 2020
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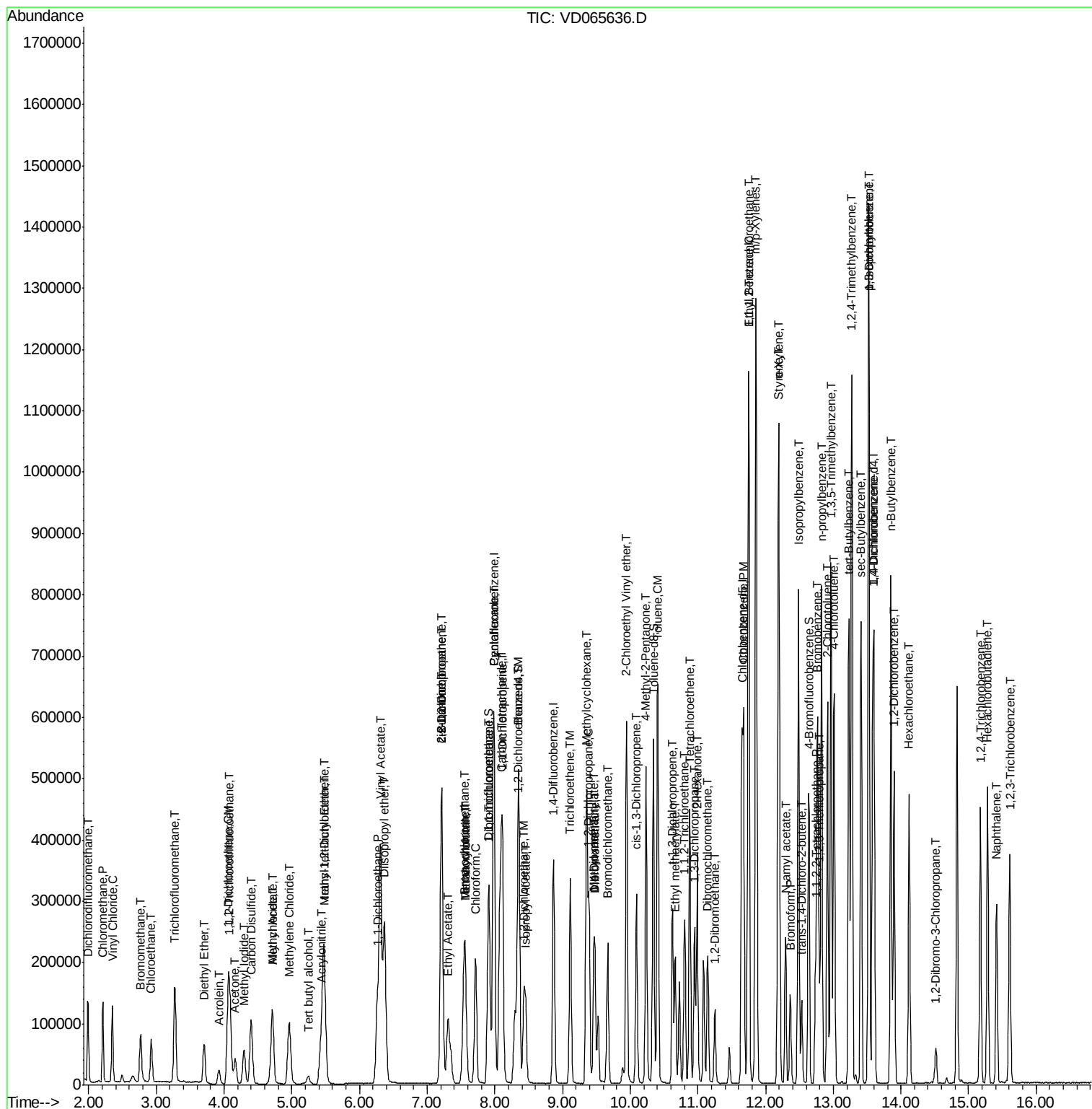
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160025	52.939	ug/l	100
94) Hexachlorobutadiene	15.28	225	105055	50.128	ug/l	100
95) Naphthalene	15.41	128	260558	58.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	146423	55.308	ug/l	100

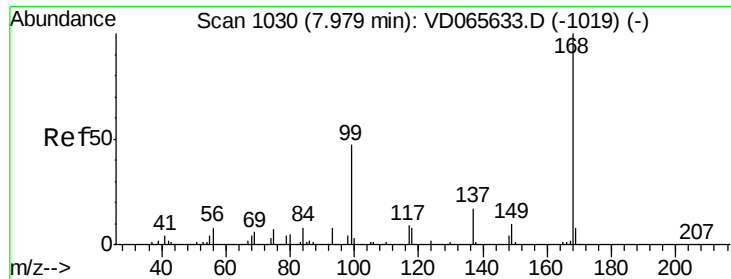
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

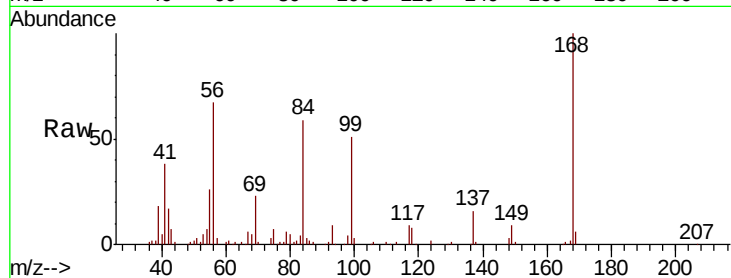
VSTDICCC050

Tot Ion:168 Resp: 233217

Ion Ratio Lower Upper

168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

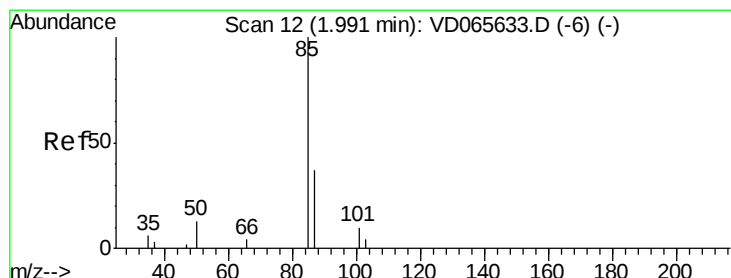
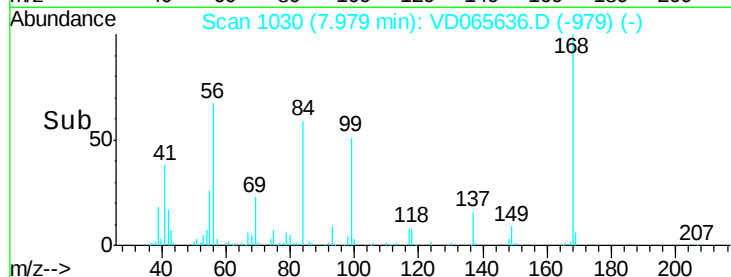
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.217 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065636.D

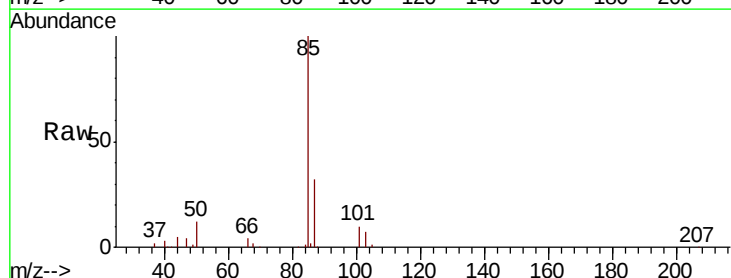
Acq: 15 Apr 2020 15:32

Tgt Ion: 85 Resp: 102363

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

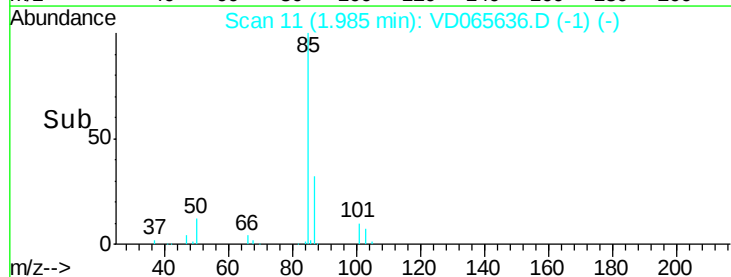
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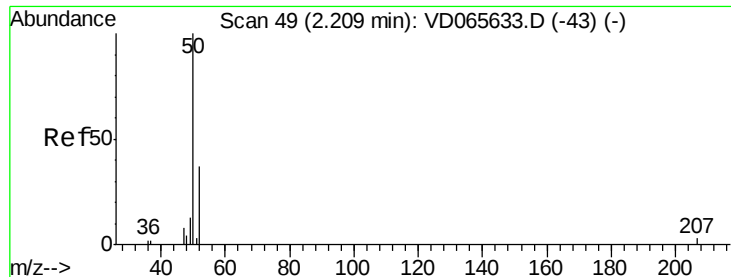
40000

20000

0

Time-->





#3

Chloromethane

Concen: 41.527 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

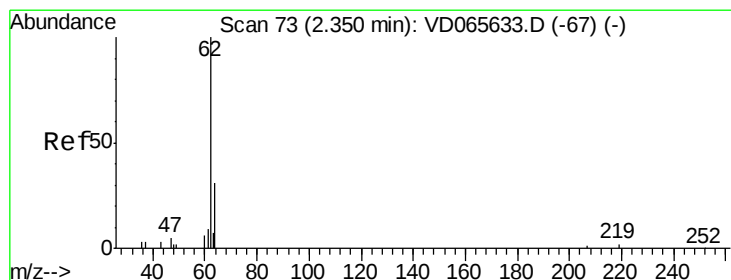
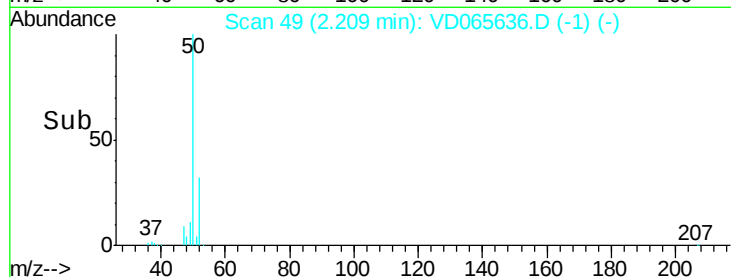
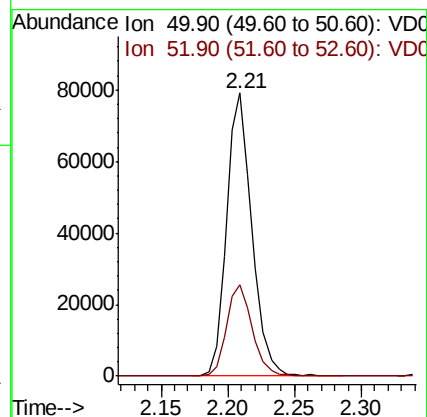
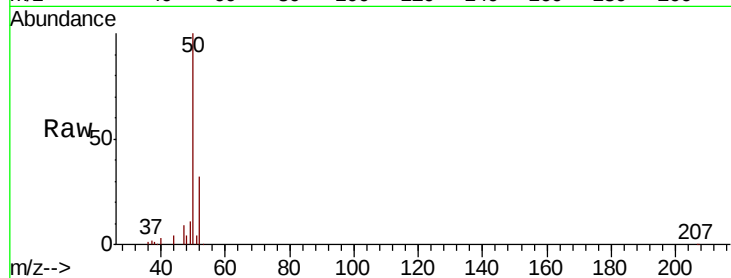
VSTDICCC050

Tot Ion: 50 Resp: 105422

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



#4

Vinyl Chloride

Concen: 47.361 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065636.D

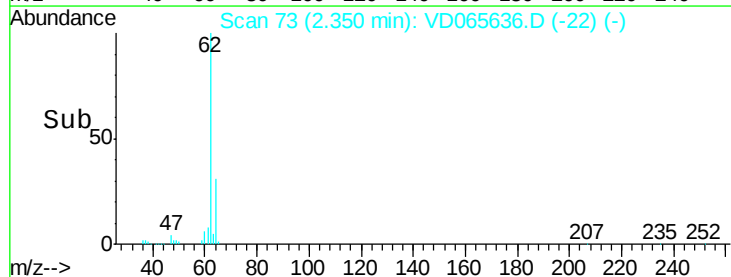
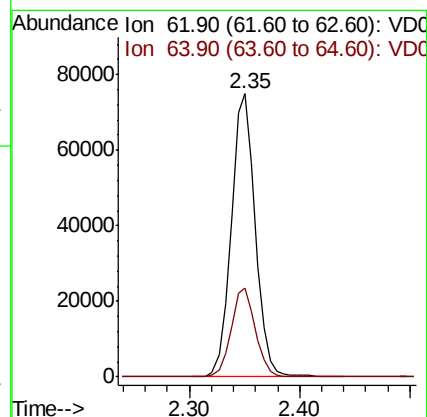
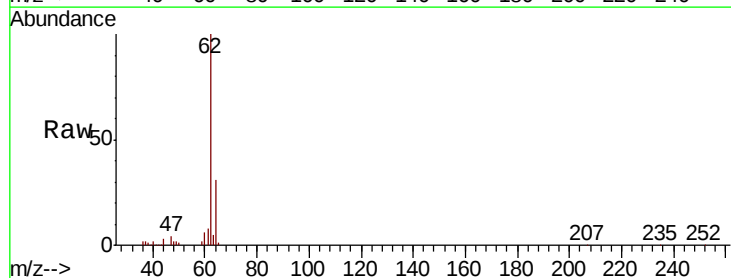
Acq: 15 Apr 2020 15:32

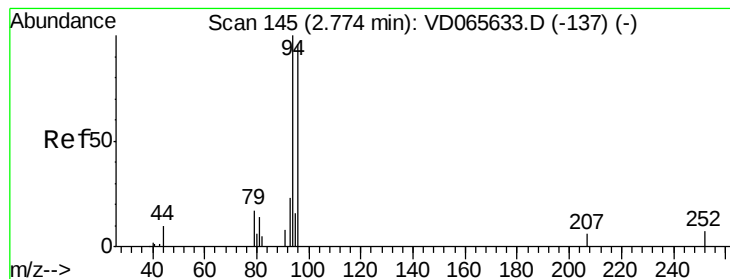
Tgt Ion: 62 Resp: 113857

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 35.995 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

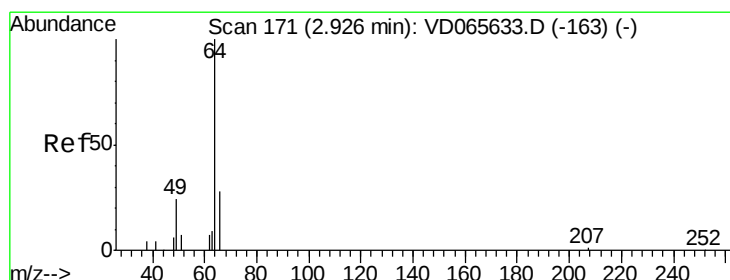
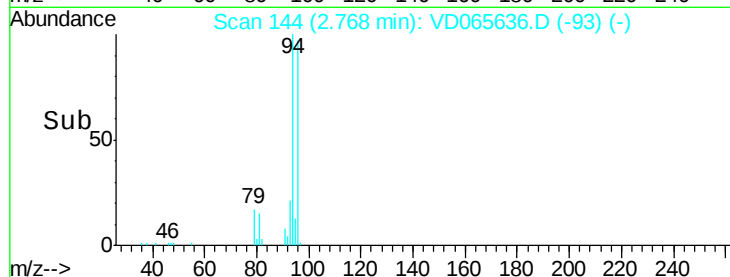
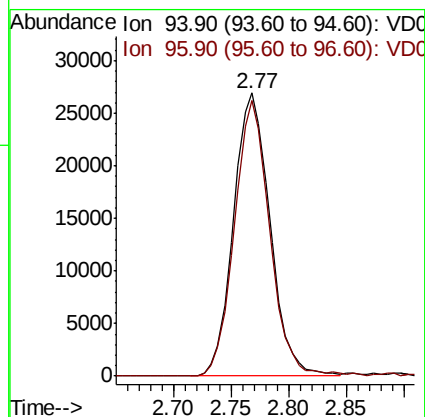
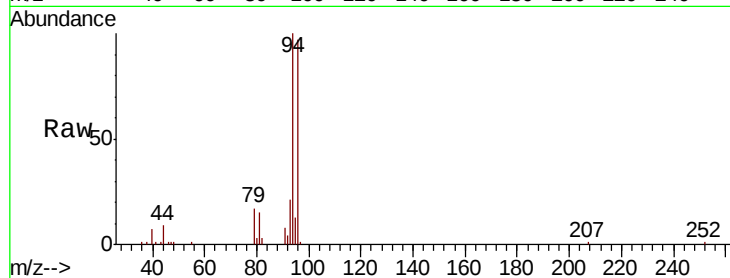
VSTDICCC050

Tot Ion: 94 Resp: 59117

Ion Ratio Lower Upper

94 100

96 97.4 77.9 116.9



#6

Chloroethane

Concen: 45.559 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065636.D

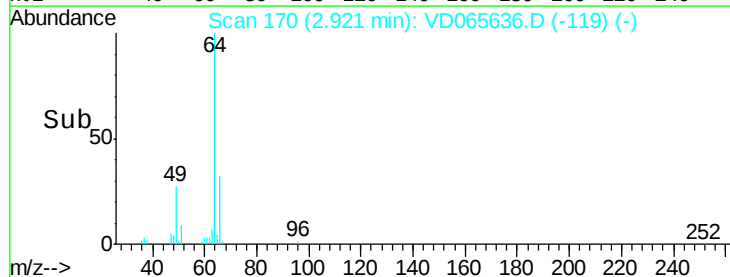
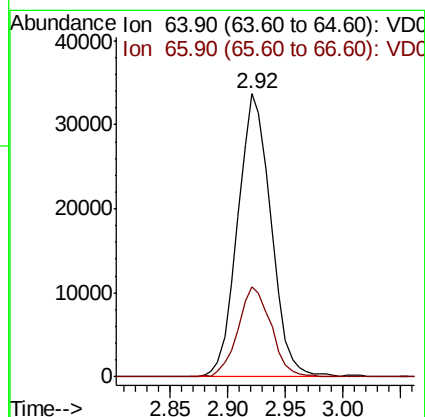
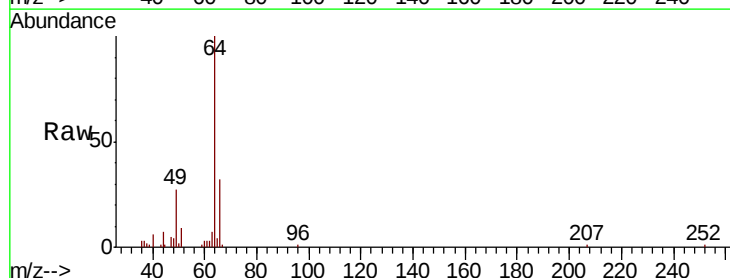
Acq: 15 Apr 2020 15:32

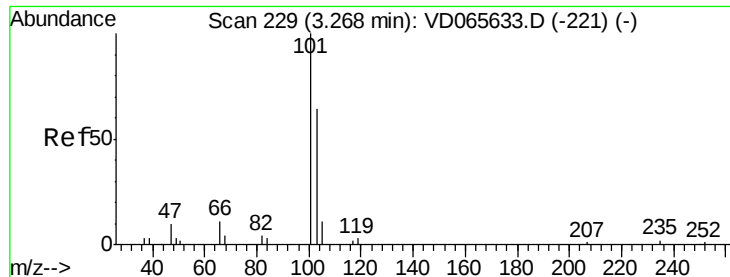
Tgt Ion: 64 Resp: 67430

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

Trichlorofluoromethane

Concen: 44.084 ug/l

RT: 3.27 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

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ClientSampleId :

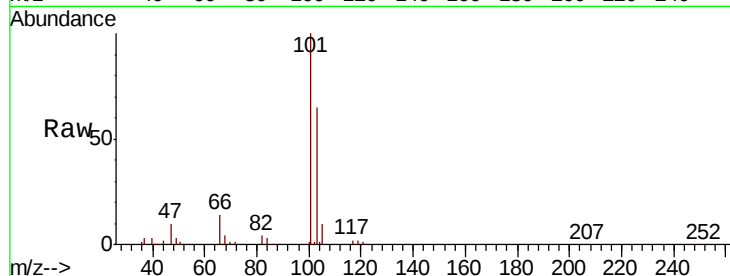
VSTDICCC050

Tot Ion:101 Resp: 159887

Ion Ratio Lower Upper

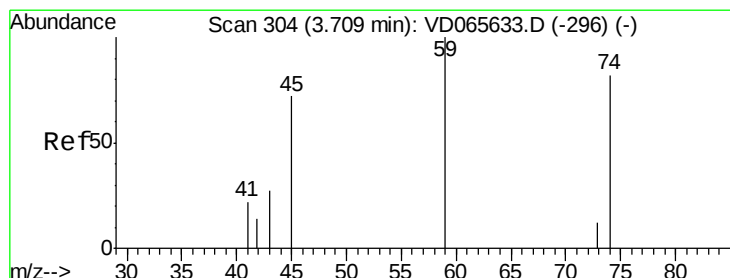
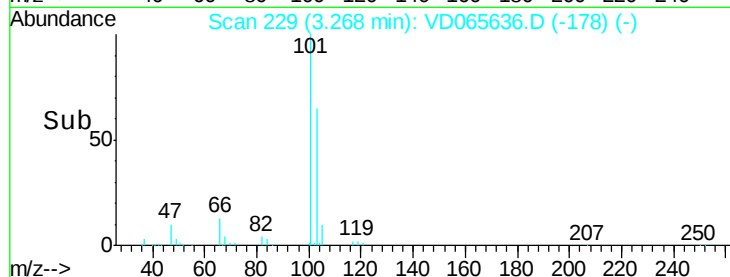
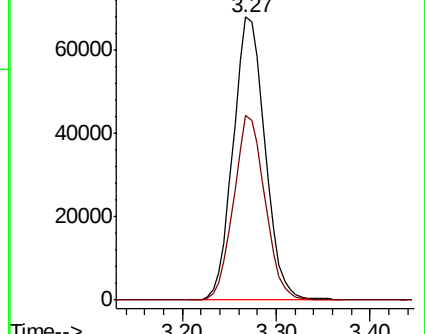
101 100

103 65.3 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.931 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065636.D

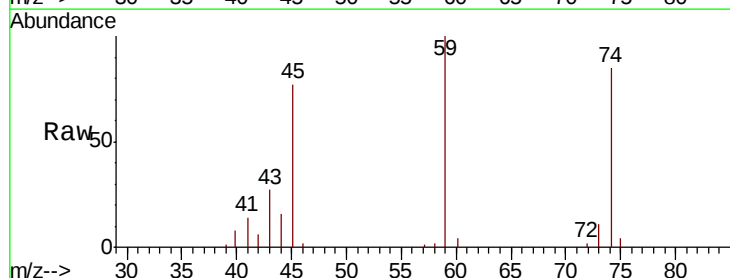
Acq: 15 Apr 2020 15:32

Tgt Ion: 74 Resp: 35714

Ion Ratio Lower Upper

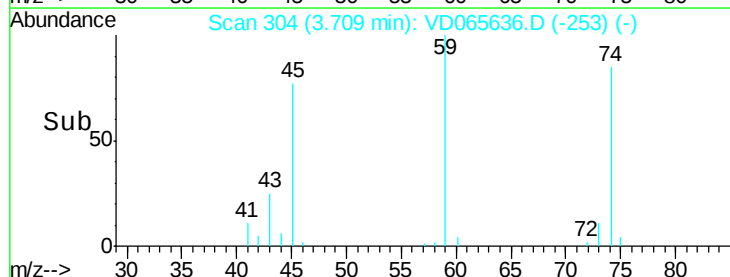
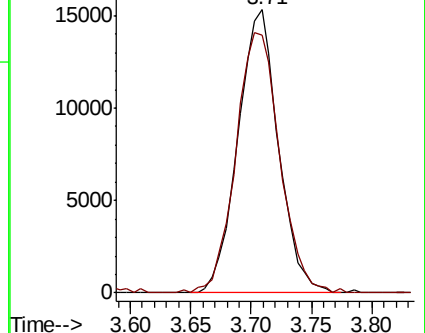
74 100

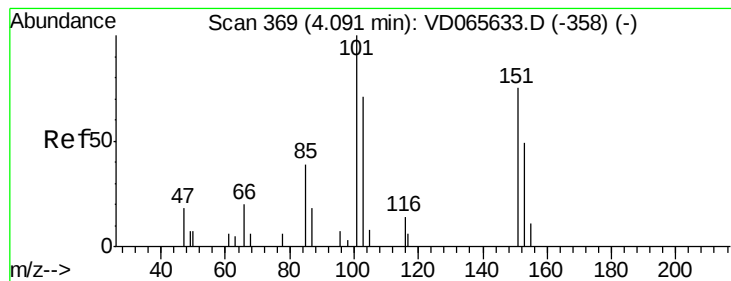
45 99.7 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.618 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

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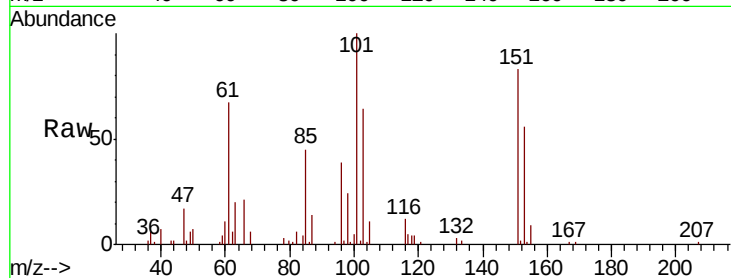
Tot Ion:101 Resp: 72998

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

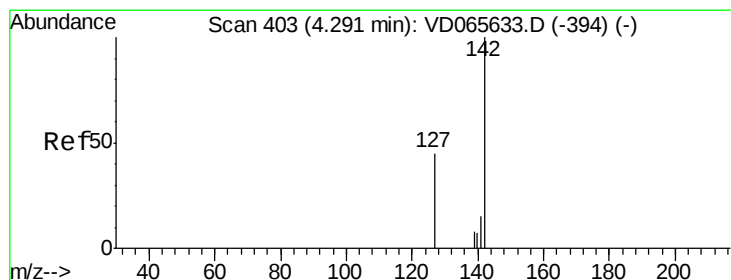
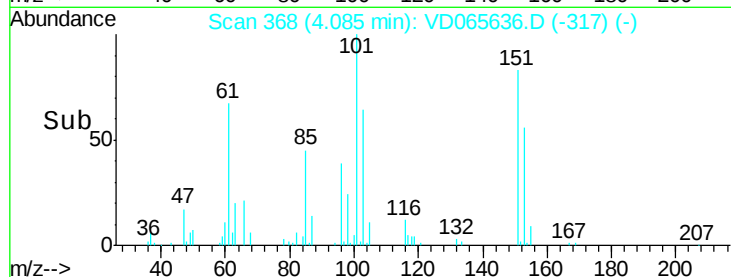
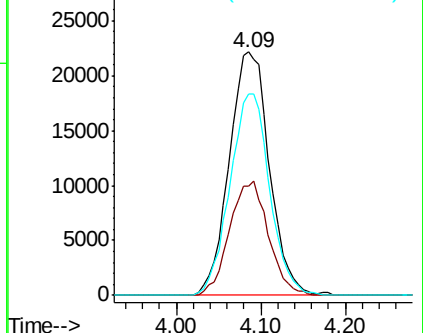
151 82.0 65.6 98.4



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: 41.640 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

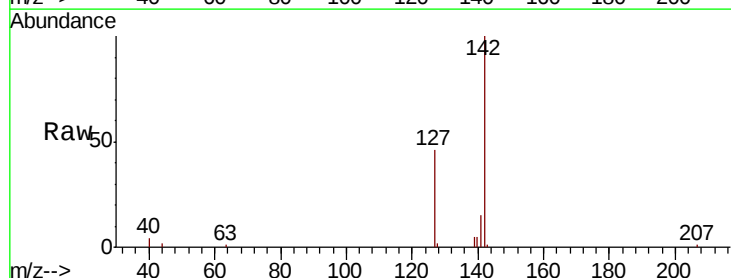
Tgt Ion:142 Resp: 91506

Ion Ratio Lower Upper

142 100

127 47.6 38.1 57.1

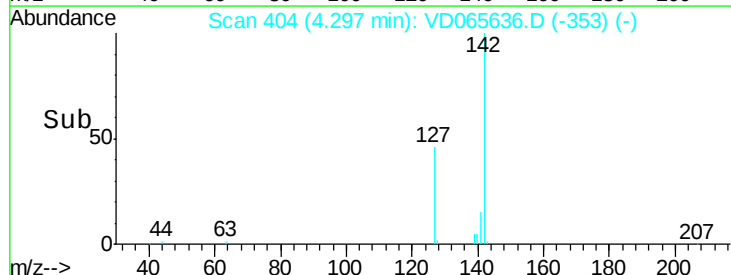
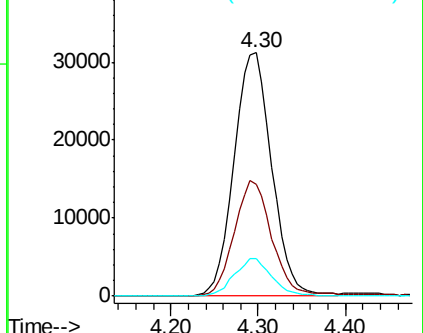
141 15.1 12.1 18.1

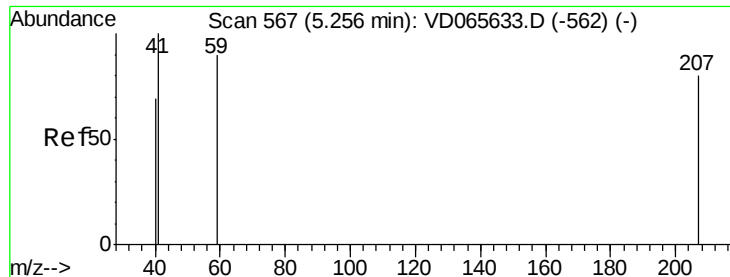


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

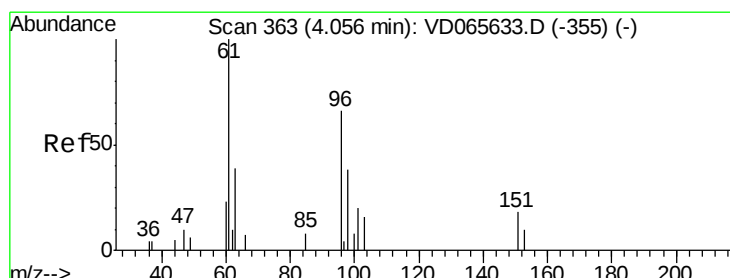
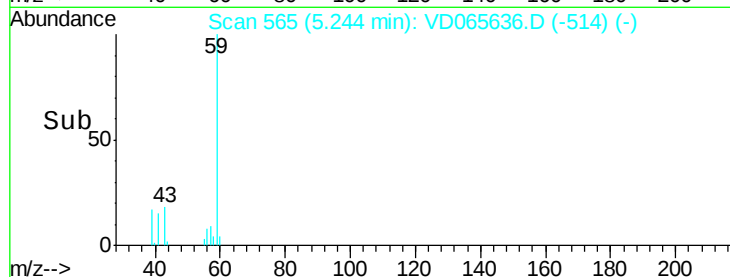
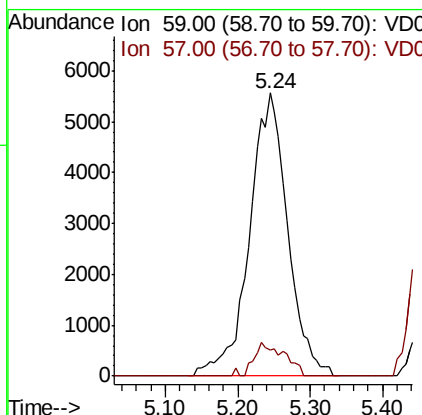
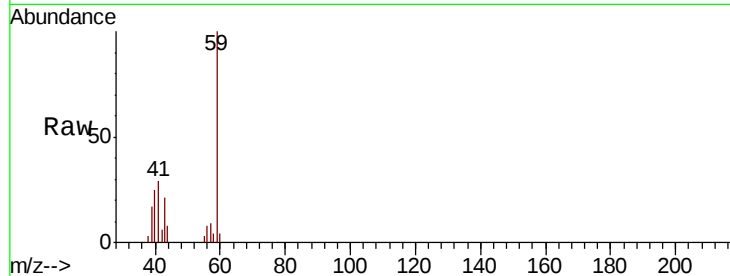




#11
Tert butyl alcohol
Concen: 193.337 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

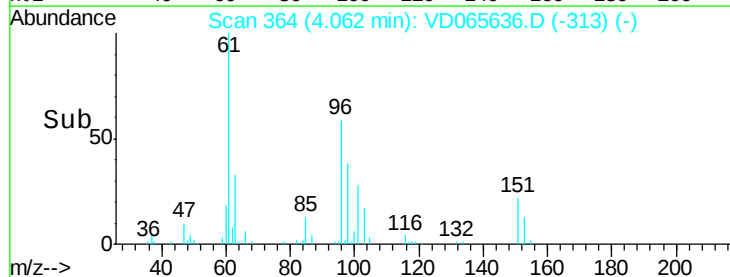
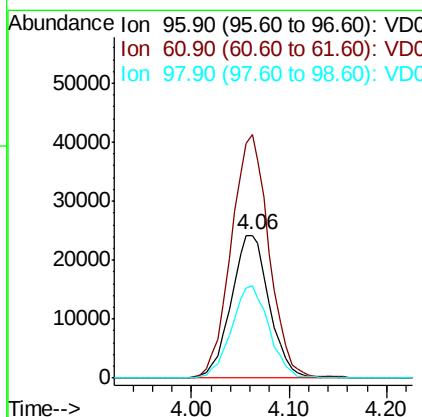
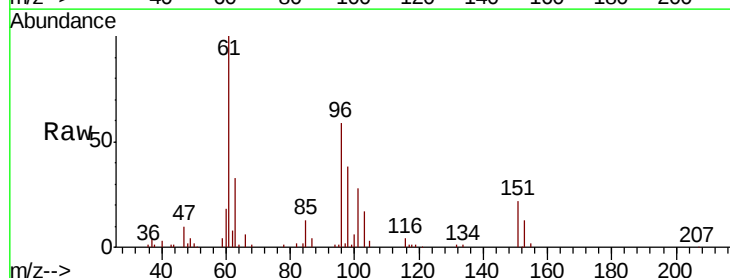
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

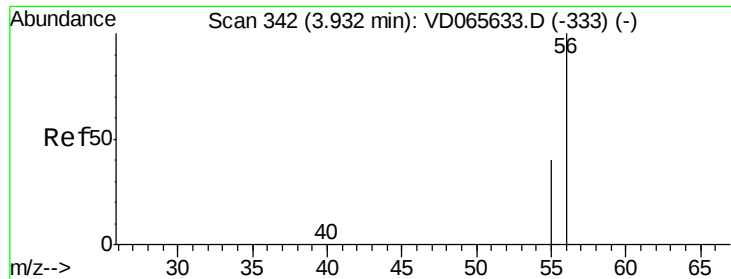
Tot Ion: 59 Resp: 20427
Ion Ratio Lower Upper
59 100
57 9.3 7.4 11.2



#12
1,1-Dichloroethene
Concen: 31.977 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 96 Resp: 65788
Ion Ratio Lower Upper
96 100
61 170.2 136.2 204.2
98 65.2 52.2 78.2





#13

Acrolein

Concen: 178.612 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

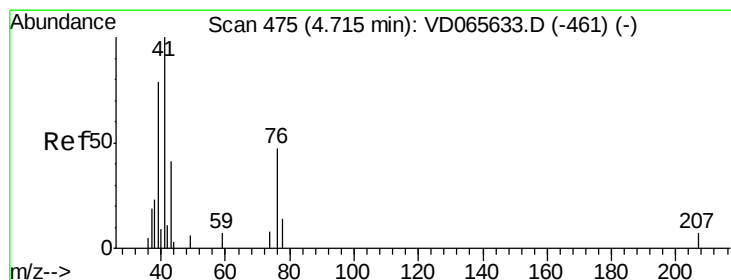
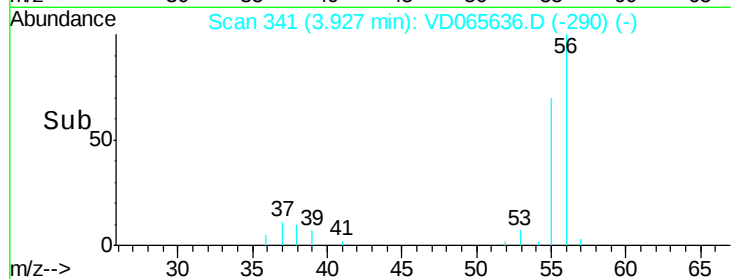
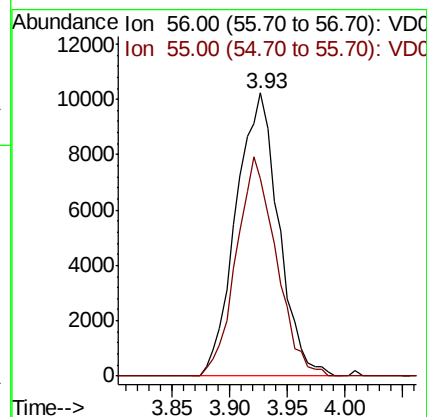
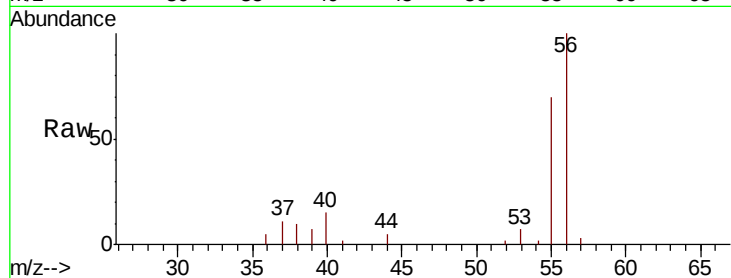
VSTDICCC050

Tot Ion: 56 Resp: 26261

Ion Ratio Lower Upper

56 100

55 72.7 58.2 87.2



#14

Allyl chloride

Concen: 34.363 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

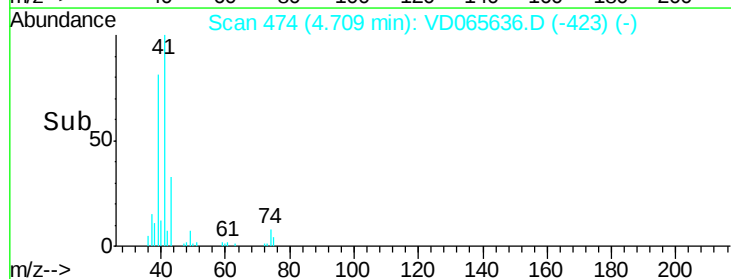
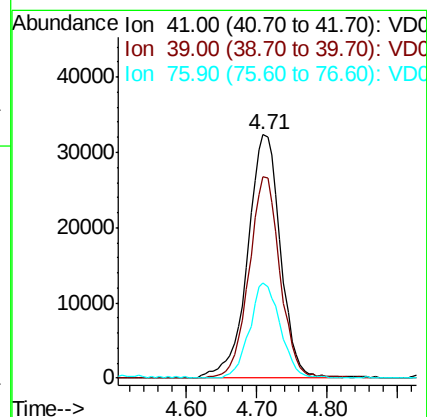
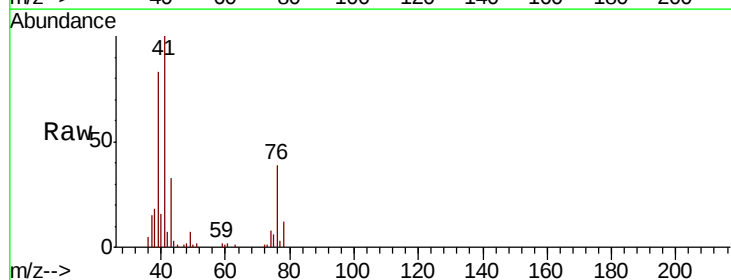
Tgt Ion: 41 Resp: 104966

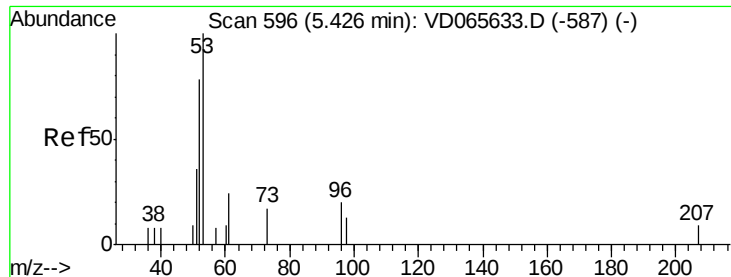
Ion Ratio Lower Upper

41 100

39 78.1 62.5 93.7

76 36.4 29.1 43.7





#15

Acrylonitrile

Concen: 189.612 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

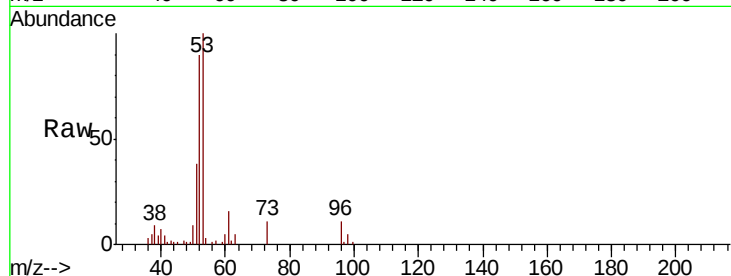
Tot Ion: 53 Resp: 81039

Ion Ratio Lower Upper

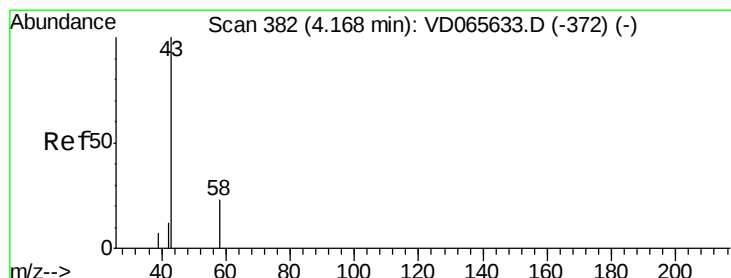
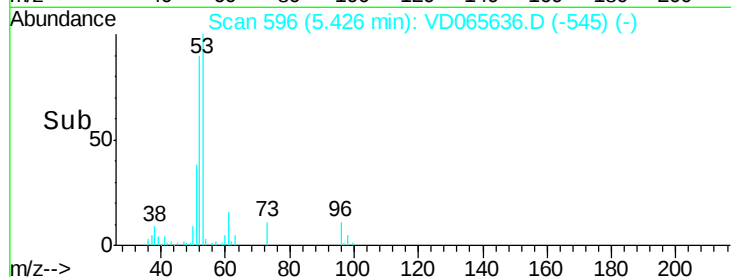
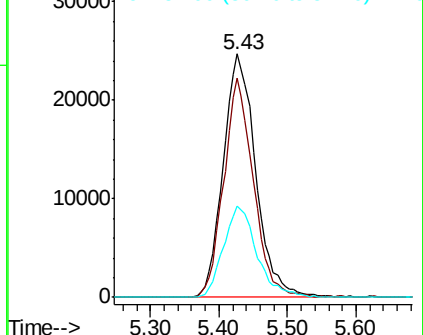
53 100

52 82.2 65.8 98.6

51 38.6 30.9 46.3



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: 190.741 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065636.D

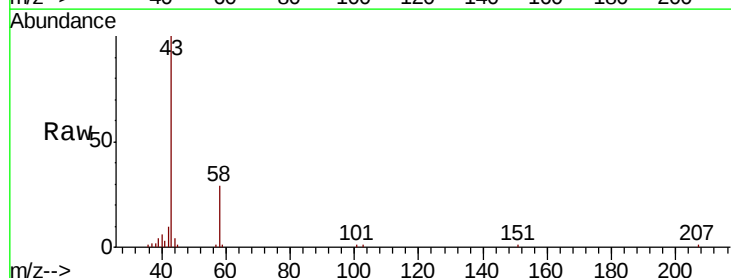
Acq: 15 Apr 2020 15:32

Tgt Ion: 43 Resp: 72575

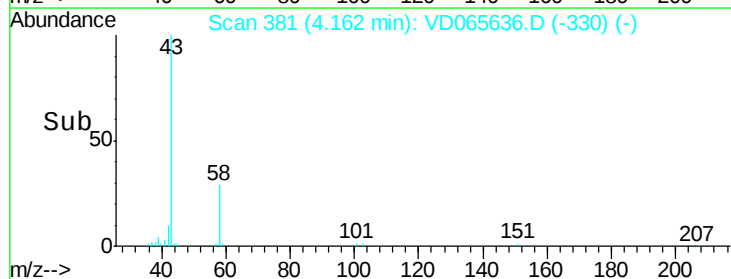
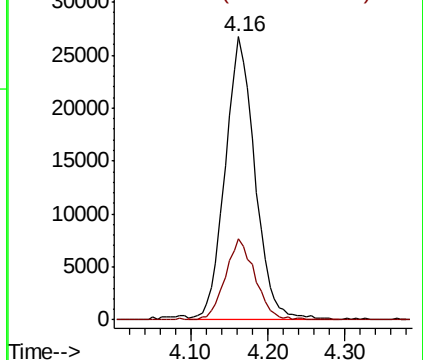
Ion Ratio Lower Upper

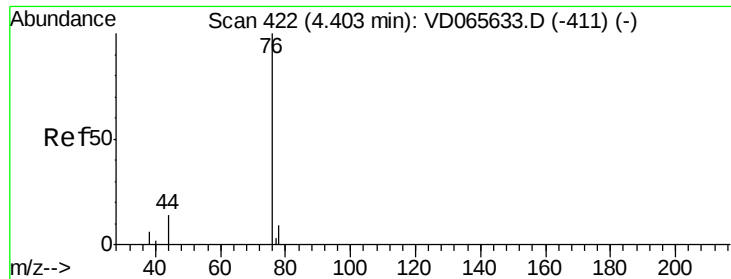
43 100

58 28.6 22.9 34.3



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

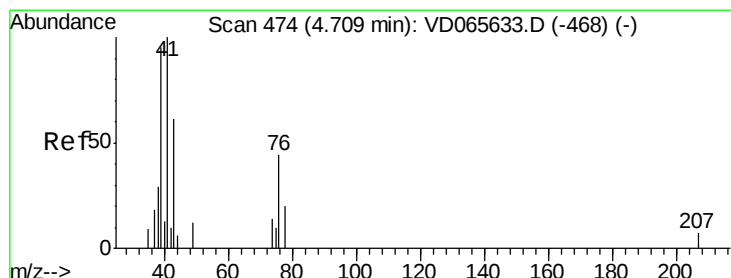
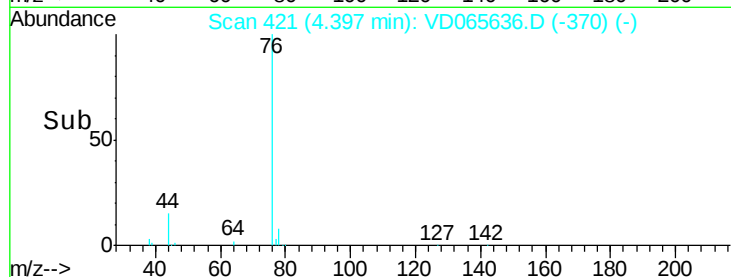
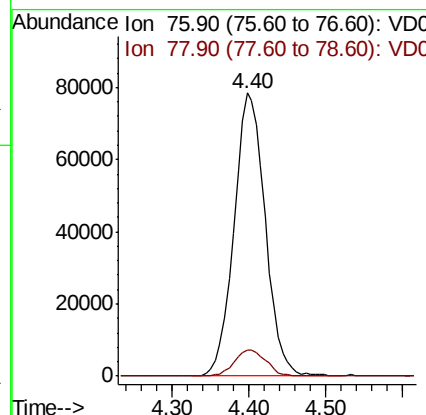
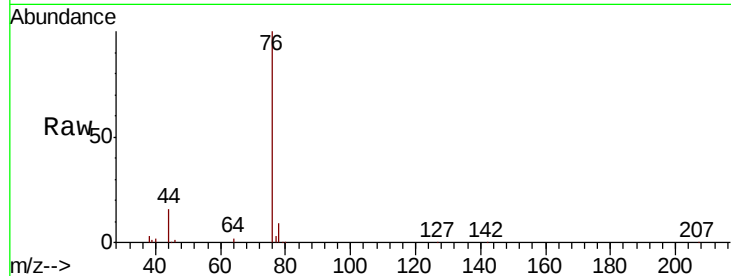




#17
Carbon Disulfide
Concen: 32.456 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

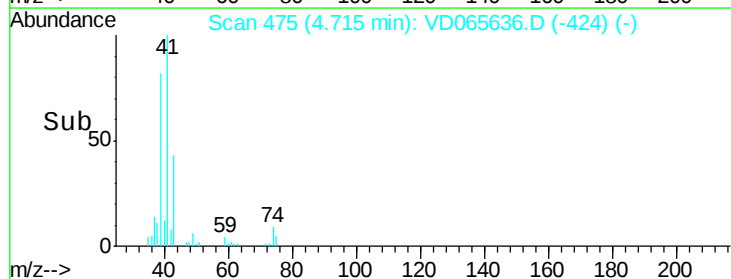
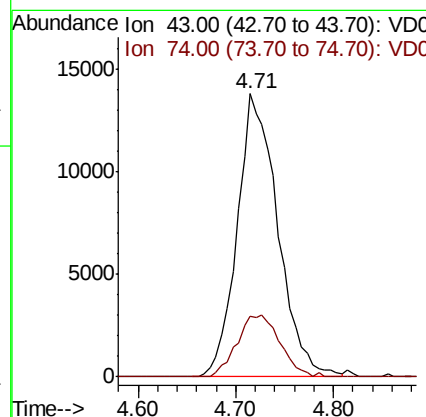
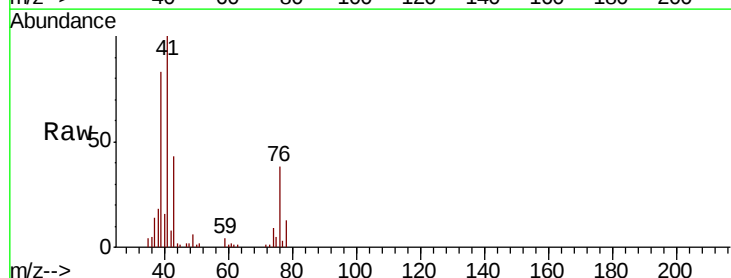
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

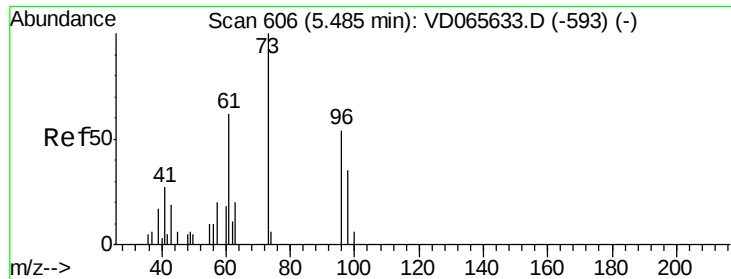
Tot Ion: 76 Resp: 222041
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 36.172 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 43 Resp: 40017
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0

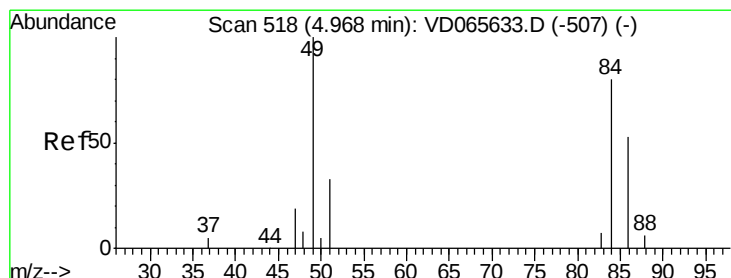
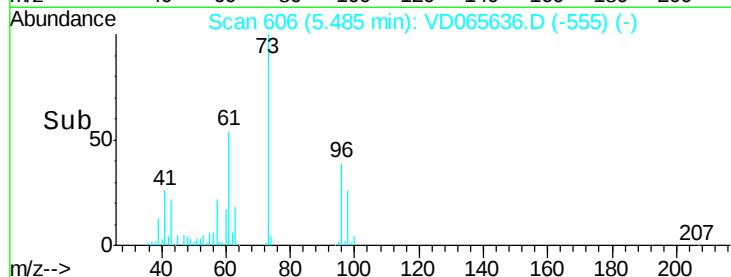
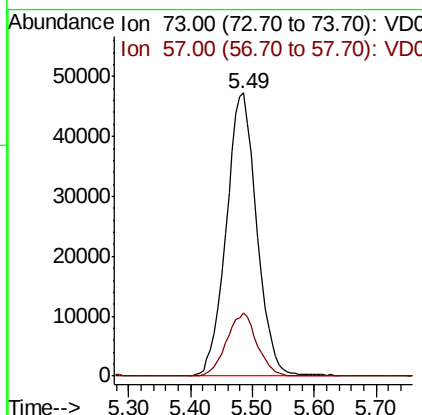
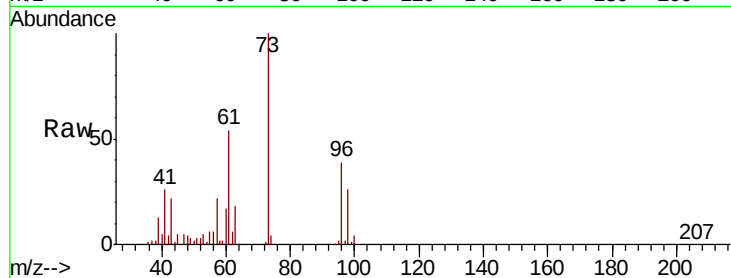




#19
Methvl tert-butvl Ether
Concen: 40.036 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

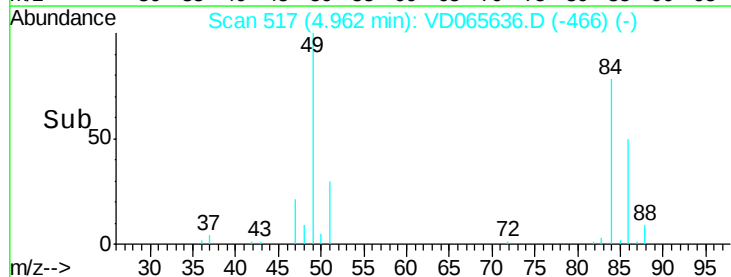
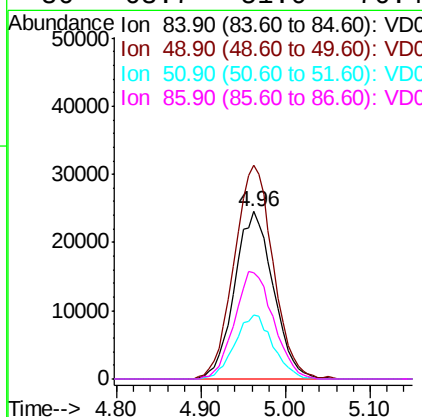
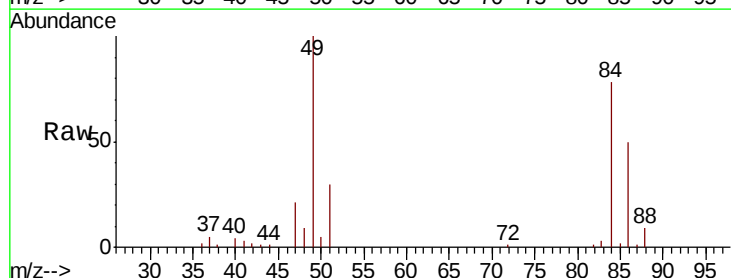
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

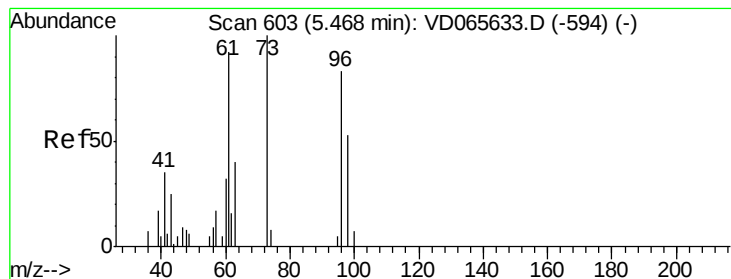
Tot Ion: 73 Resp: 162216
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8



#20
Methylene Chloride
Concen: 31.682 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 84 Resp: 78157
Ion Ratio Lower Upper
84 100
49 127.5 102.0 153.0
51 38.5 30.8 46.2
86 63.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 34.629 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

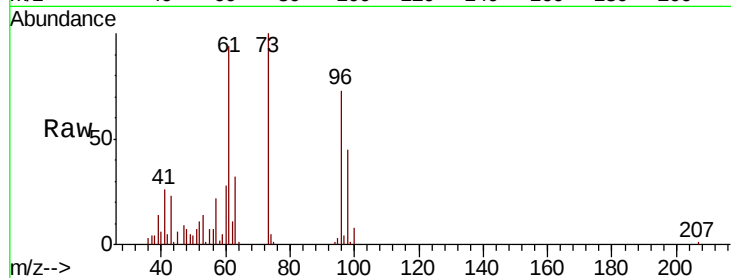
Tot Ion: 96 Resp: 80985

Ion Ratio Lower Upper

96 100

61 128.2 102.6 153.8

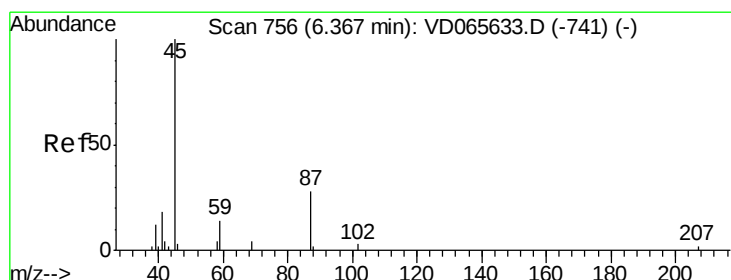
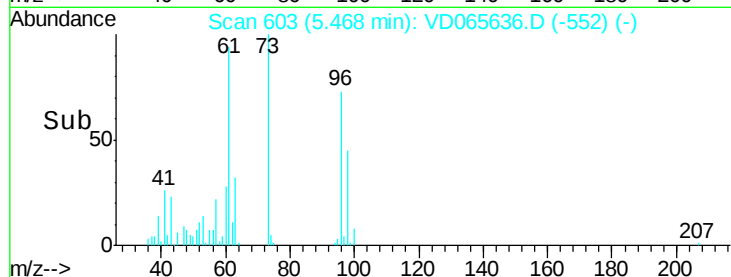
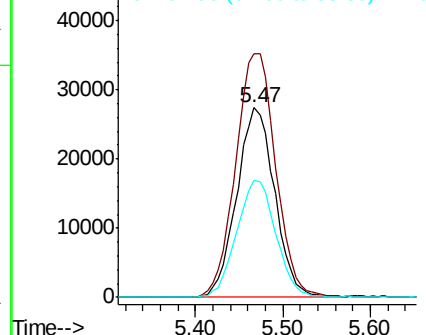
98 61.7 49.4 74.0



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: 53.560 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion: 45 Resp: 340848

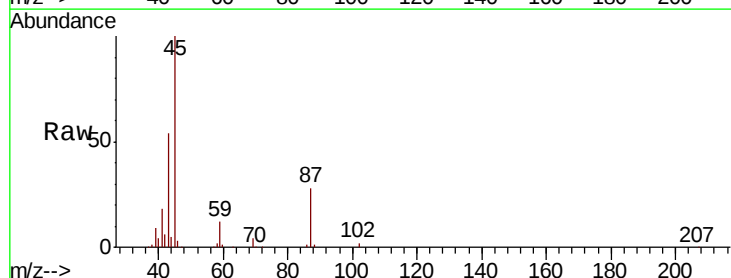
Ion Ratio Lower Upper

45 100

43 52.7 42.2 63.2

87 27.6 22.1 33.1

59 12.2 9.8 14.6

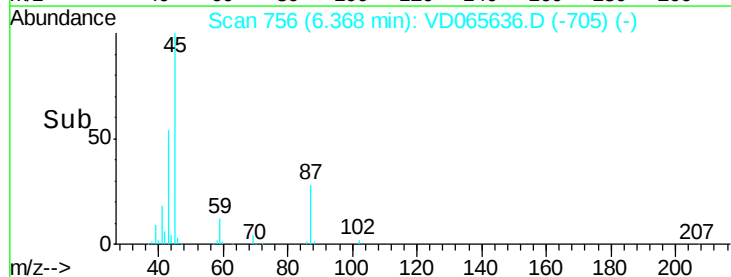
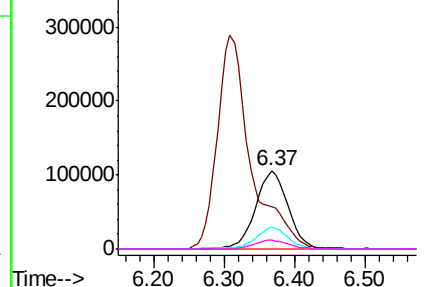


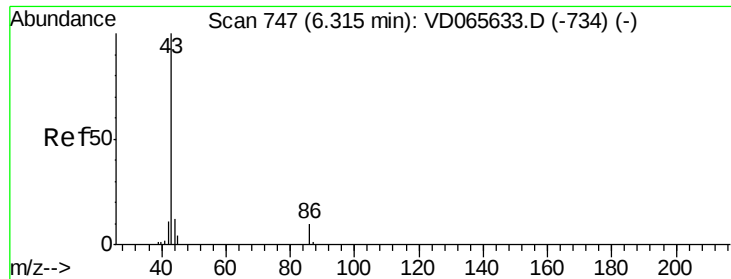
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 281.610 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

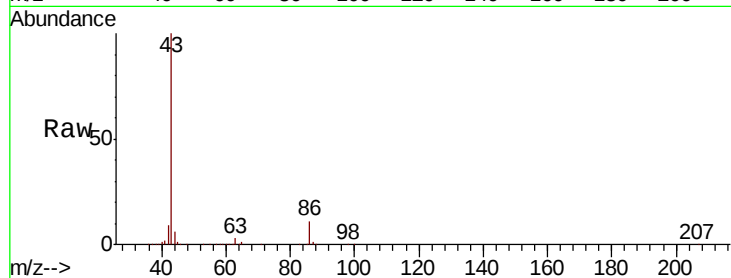
VSTDICCC050

Tot Ion: 43 Resp: 955847

Ion Ratio Lower Upper

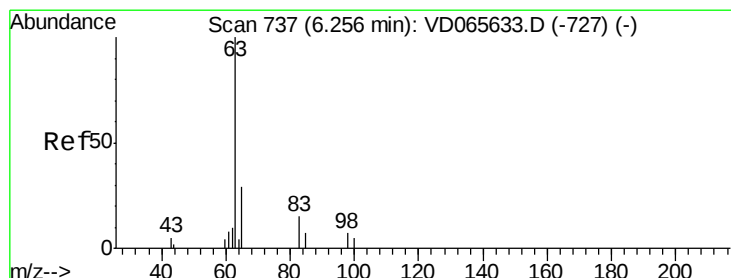
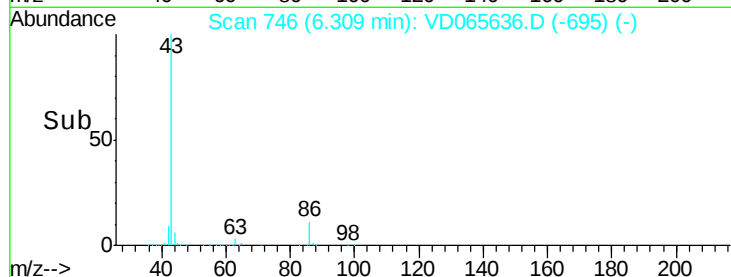
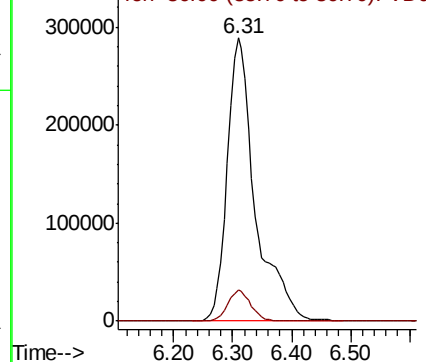
43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.042 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

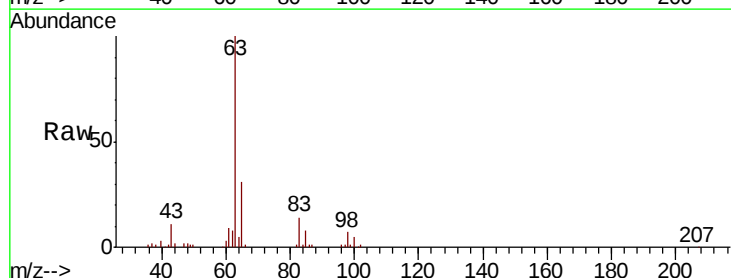
Tgt Ion: 63 Resp: 196849

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

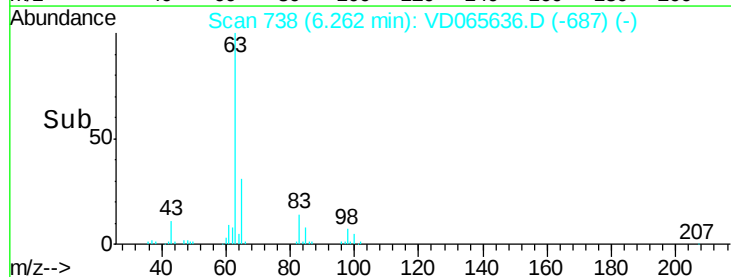
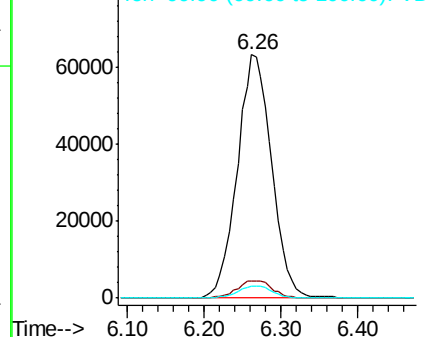
100 4.8 2.4 7.2

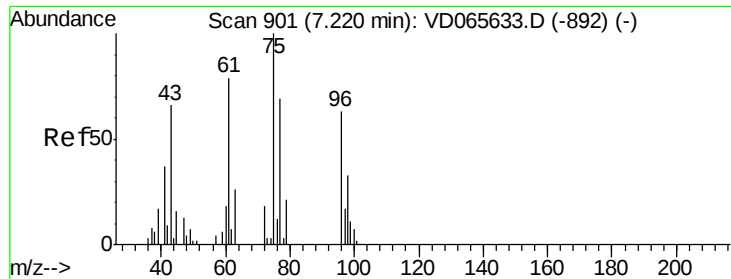


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 267.545 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

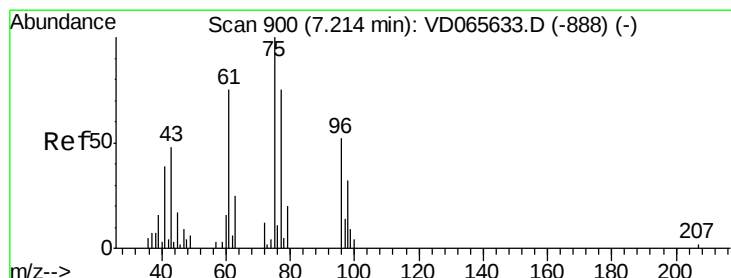
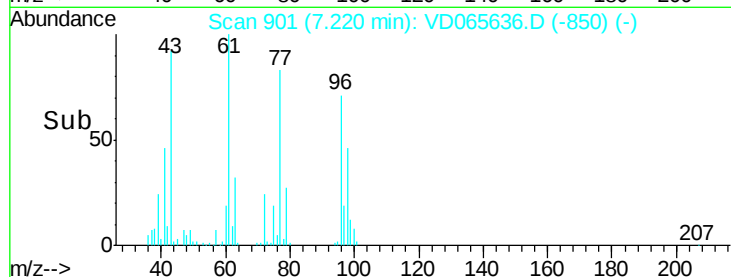
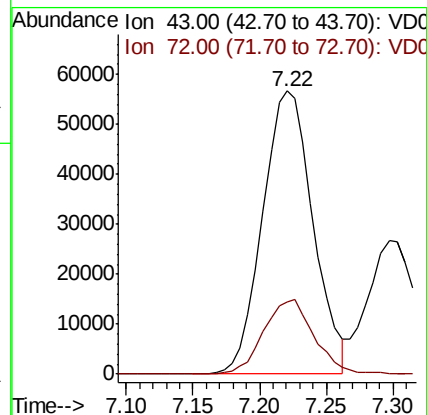
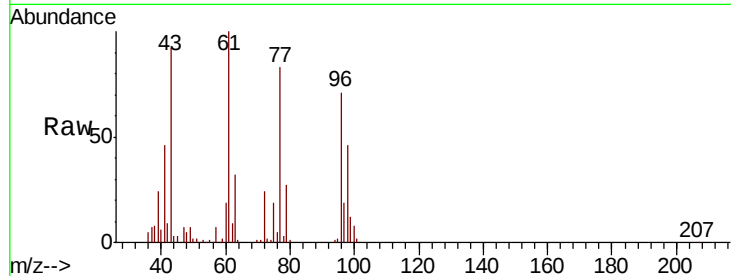
VSTDICCC050

Tot Ion: 43 Resp: 148507

Ion Ratio Lower Upper

43 100

72 25.6 20.5 30.7



#26

2,2-Dichloropropane

Concen: 45.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065636.D

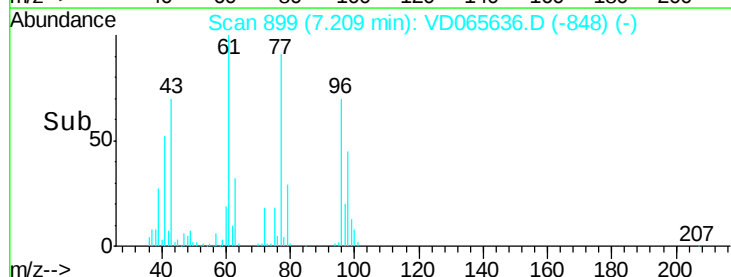
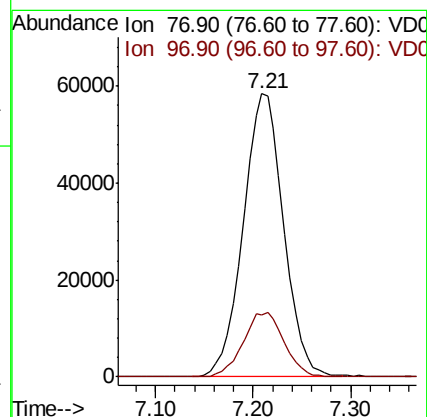
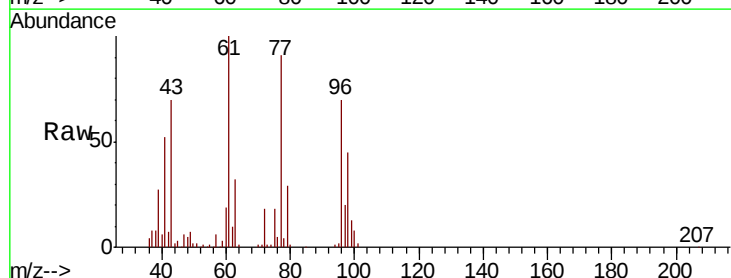
Acq: 15 Apr 2020 15:32

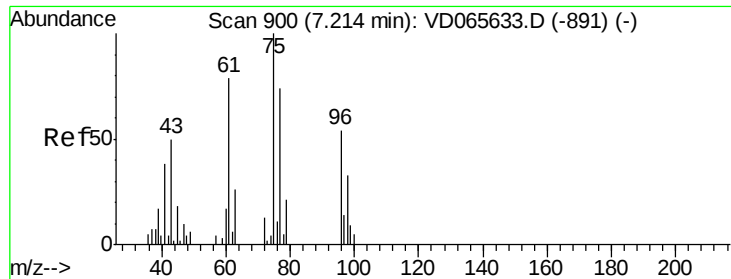
Tgt Ion: 77 Resp: 168710

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



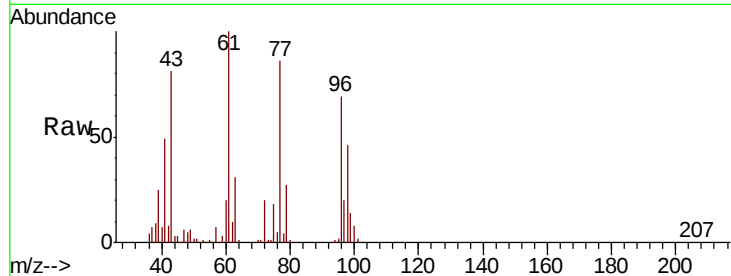


#27

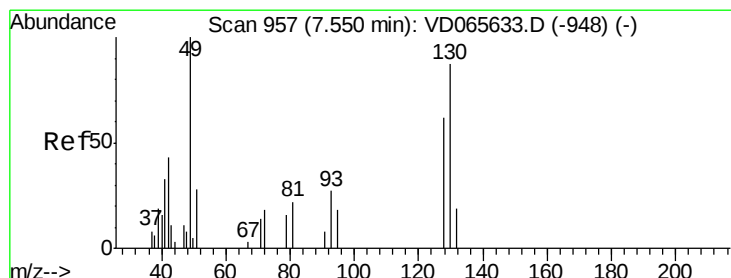
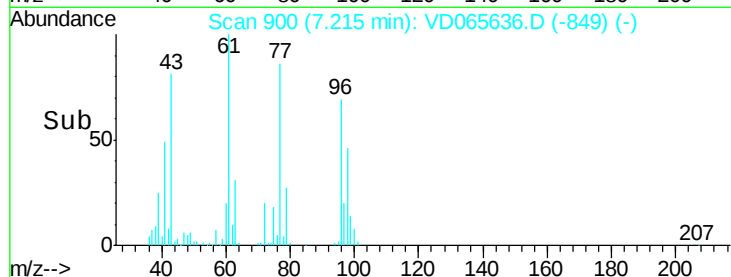
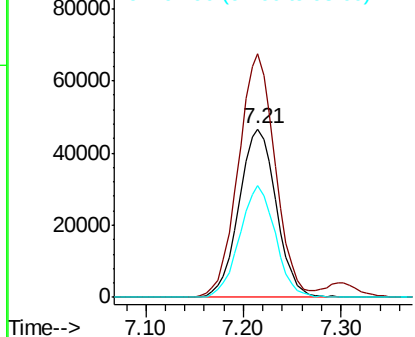
cis-1,2-Dichloroethene
 Concen: 48.385 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 123589
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 286.2
 98 64.0 0.0 128.0



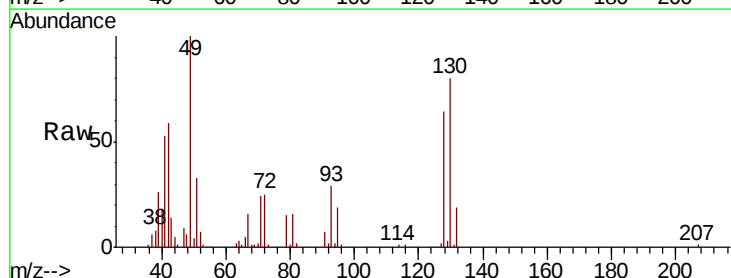
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



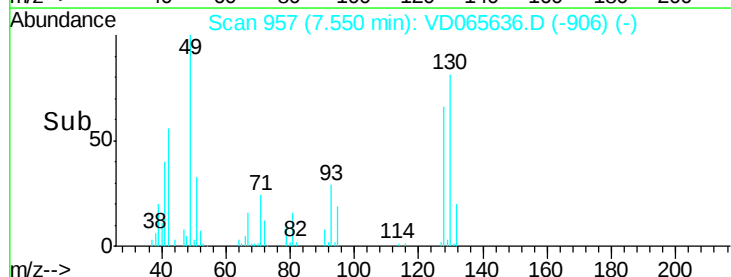
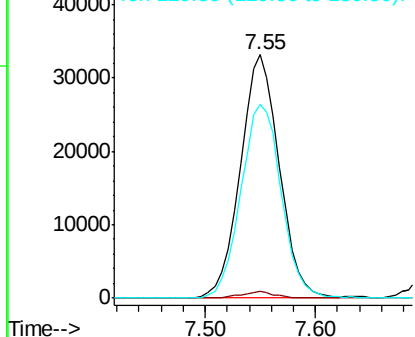
#28

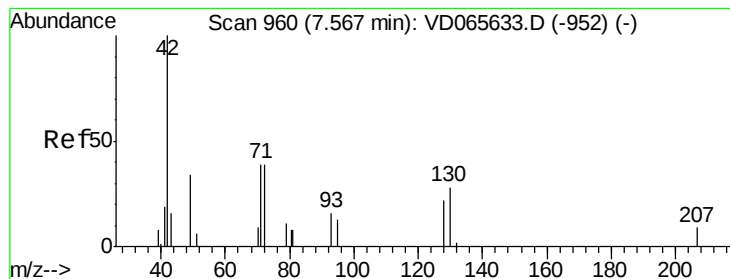
Bromochloromethane
 Concen: 48.224 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 49 Resp: 81997
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 82.7 66.2 99.2



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: 280.155 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

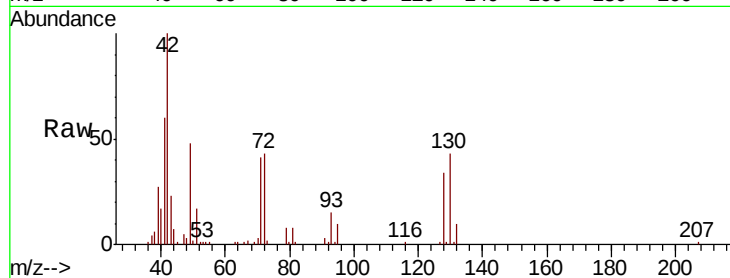
Tot Ion: 42 Resp: 98357

Ion Ratio Lower Upper

42 100

72 43.0 34.4 51.6

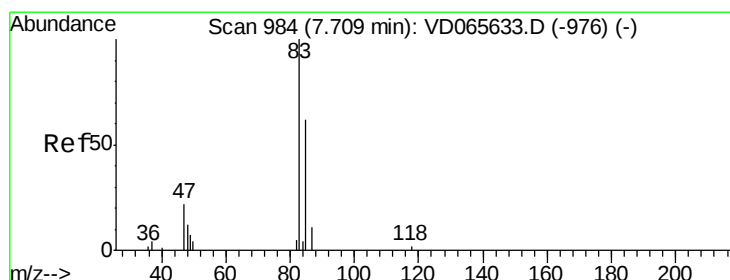
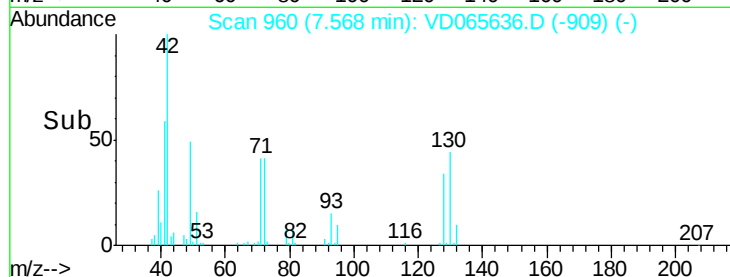
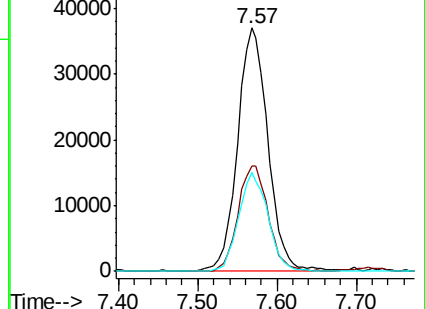
71 39.2 31.4 47.0



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: 46.144 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065636.D

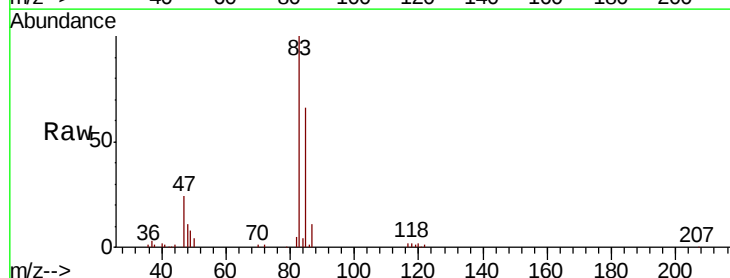
Acq: 15 Apr 2020 15:32

Tgt Ion: 83 Resp: 201828

Ion Ratio Lower Upper

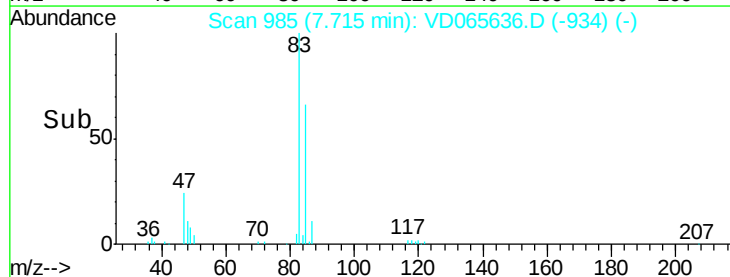
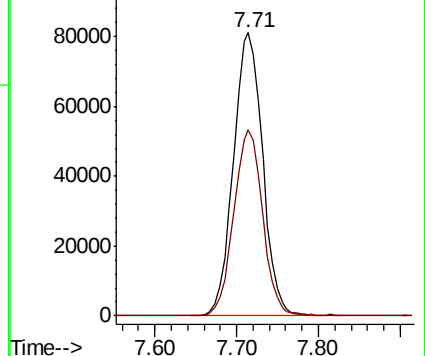
83 100

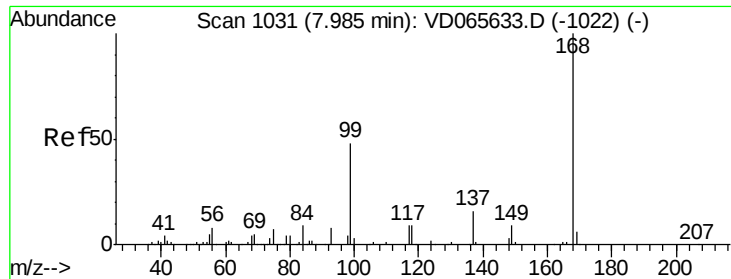
85 65.7 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

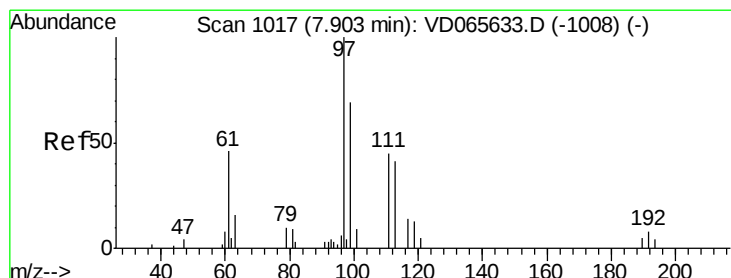
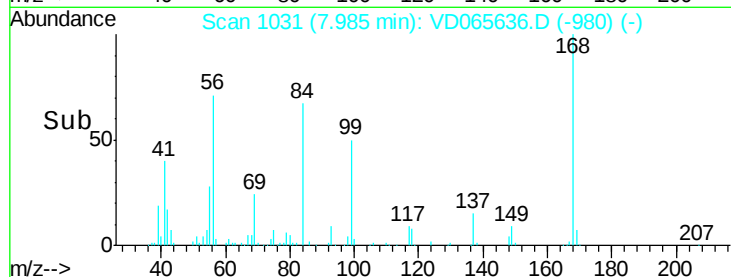
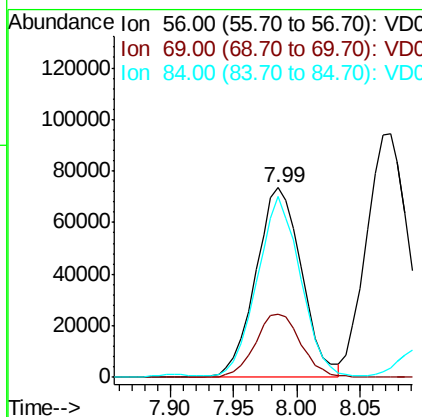
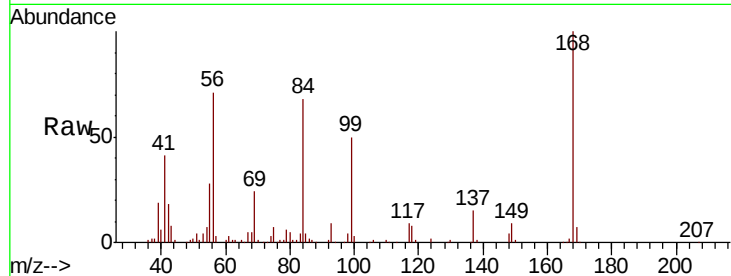




#31
Cyclohexane
Concen: 47.356 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

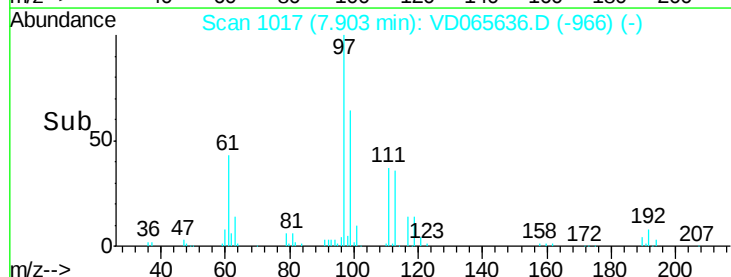
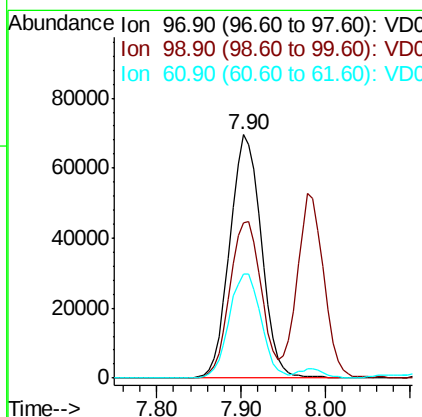
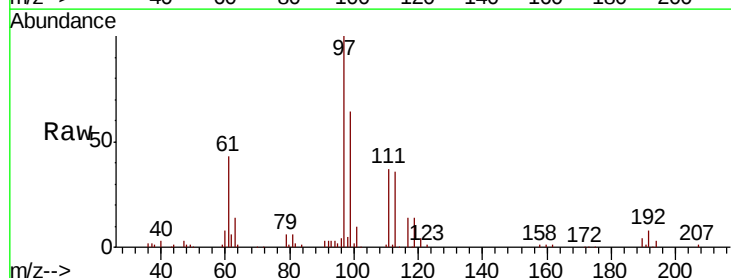
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

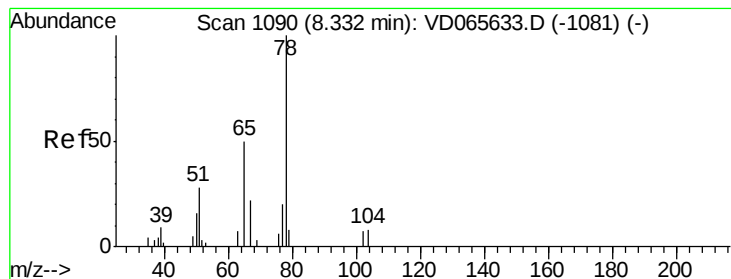
Tot Ion: 56 Resp: 184989
Ion Ratio Lower Upper
56 100
69 33.3 26.6 40.0
84 94.1 75.3 112.9



#32
1,1,1-Trichloroethane
Concen: 45.530 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 97 Resp: 179108
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 43.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 46.706 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

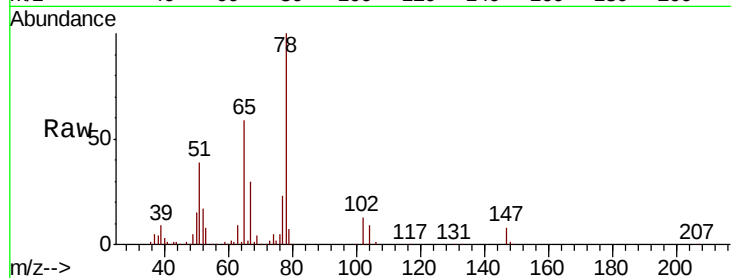
VSTDICCC050

Tot Ion: 65 Resp: 102513

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

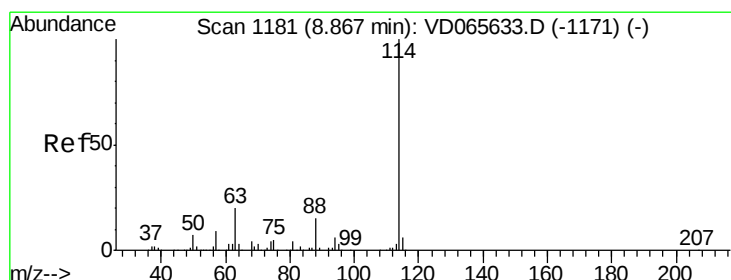
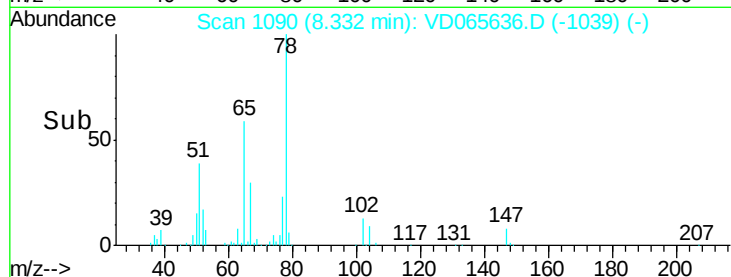
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

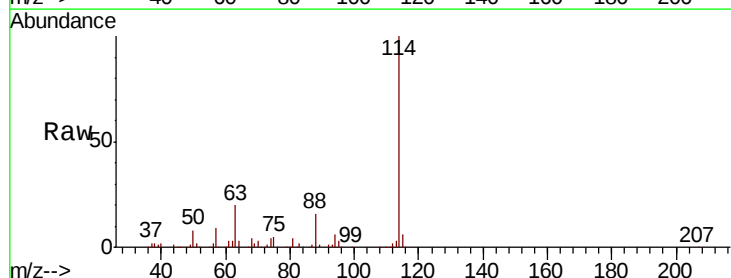
Tgt Ion: 114 Resp: 319131

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

200000

150000

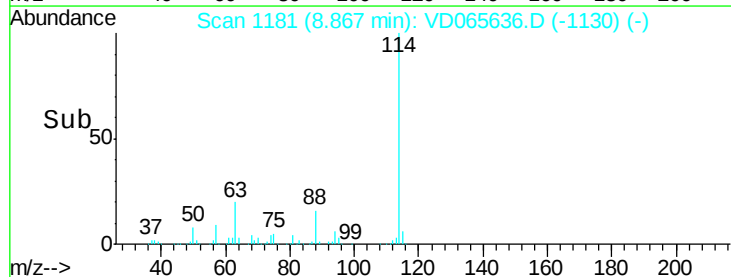
100000

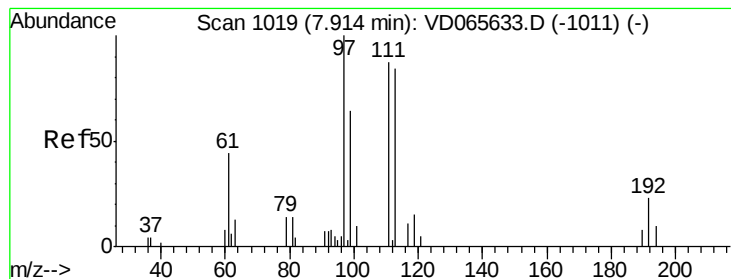
50000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 46.833 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

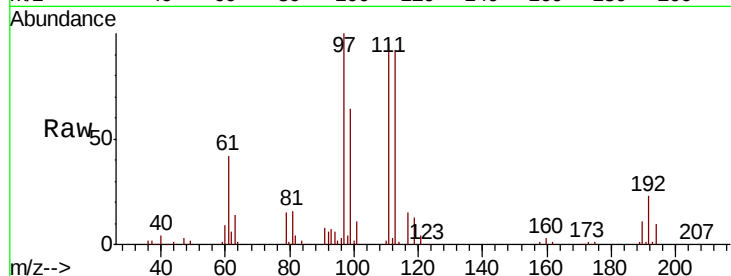
Tot Ion:113 Resp: 102600

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

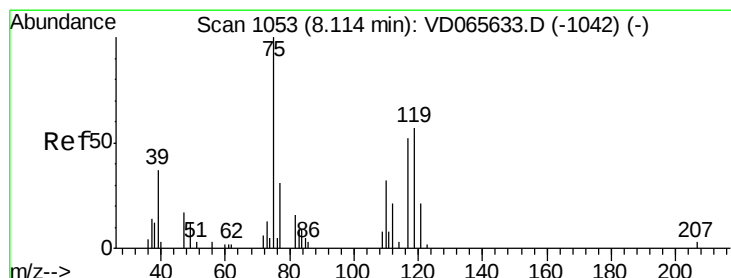
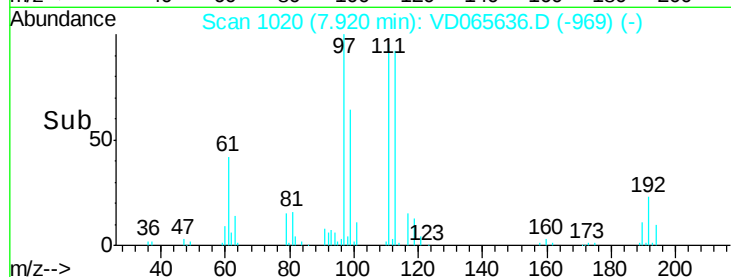
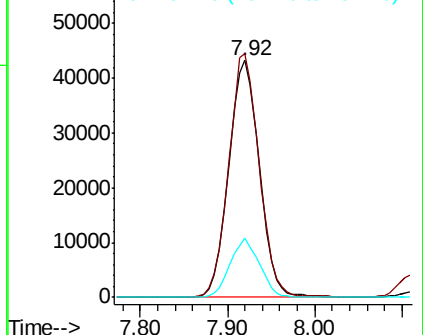
192 23.6 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.519 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

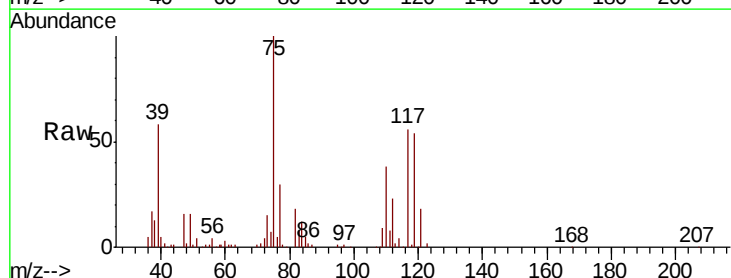
Tgt Ion: 75 Resp: 160138

Ion Ratio Lower Upper

75 100

110 36.5 18.3 54.8

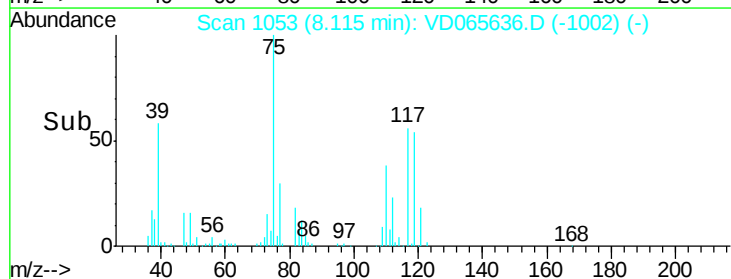
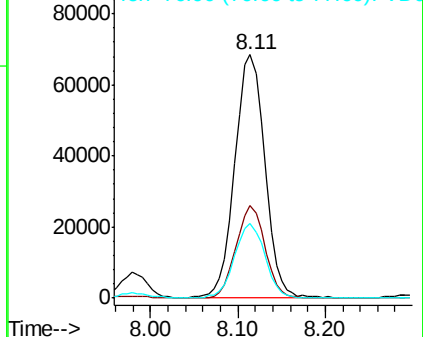
77 30.8 24.6 37.0

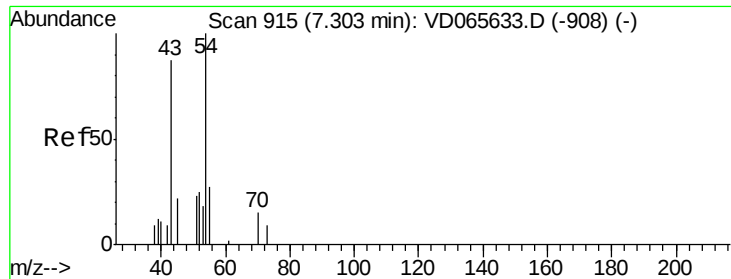


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

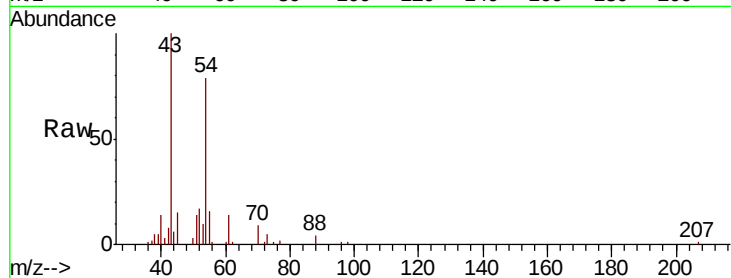




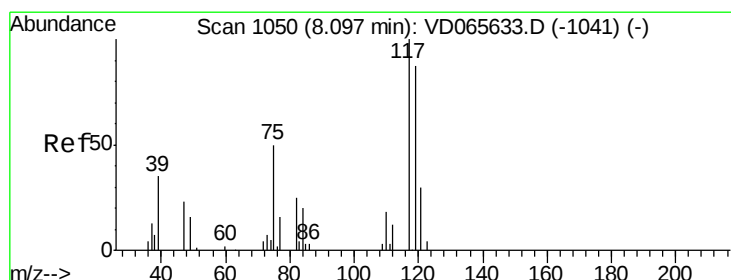
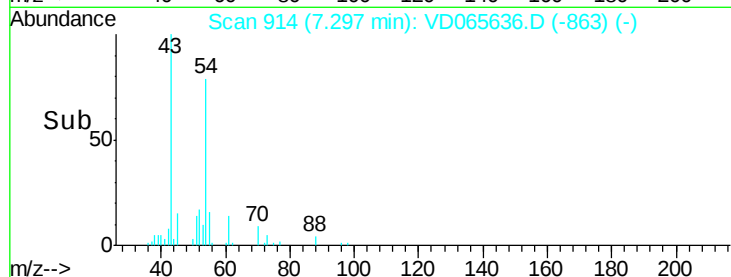
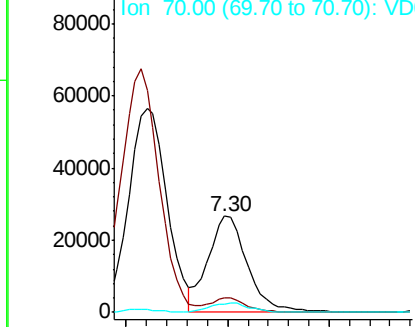
#37
Ethyl Acetate
Concen: 56.914 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 71296
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 9.9 7.9 11.9

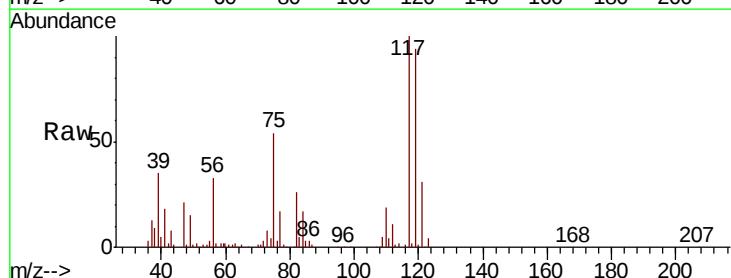


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

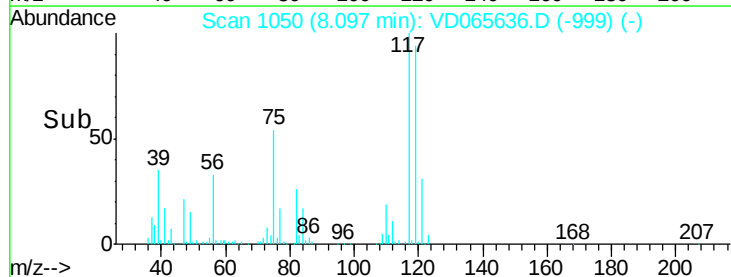
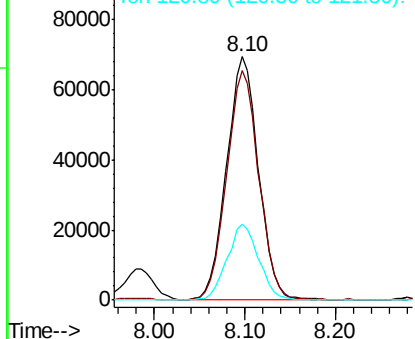


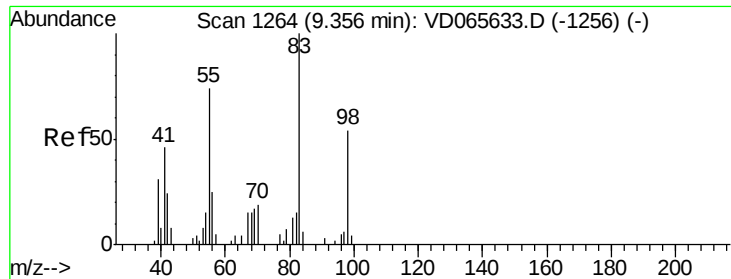
#38
Carbon Tetrachloride
Concen: 48.382 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 117 Resp: 169978
Ion Ratio Lower Upper
117 100
119 94.1 75.3 112.9
121 31.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

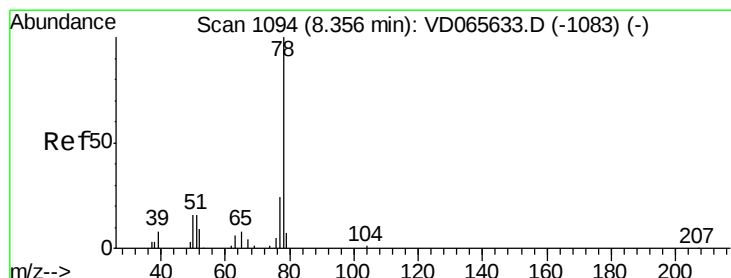
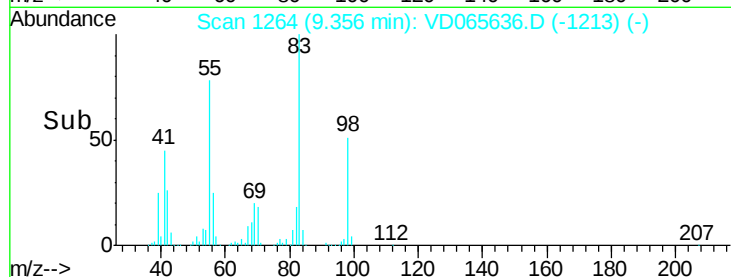
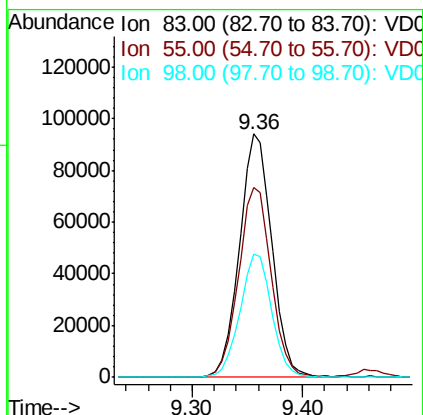
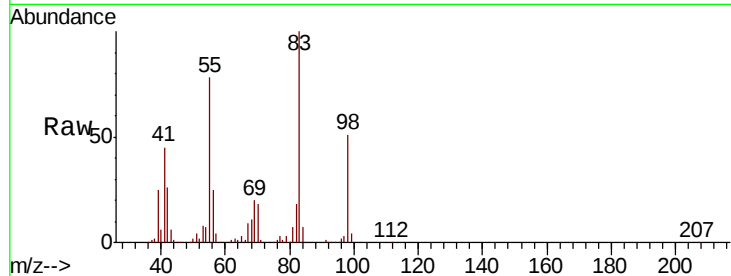




#39
Methvlcvclohexane
Concen: 53.016 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

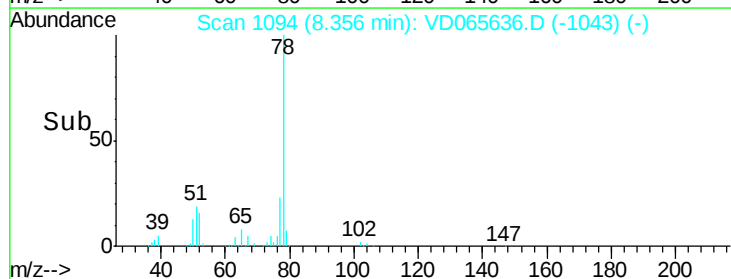
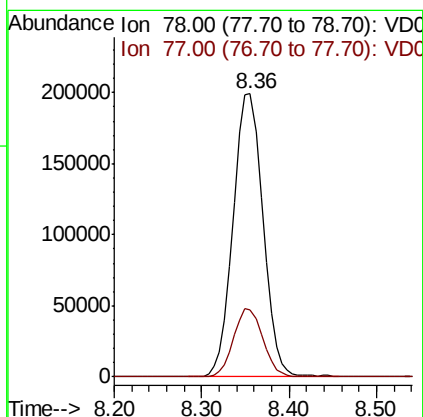
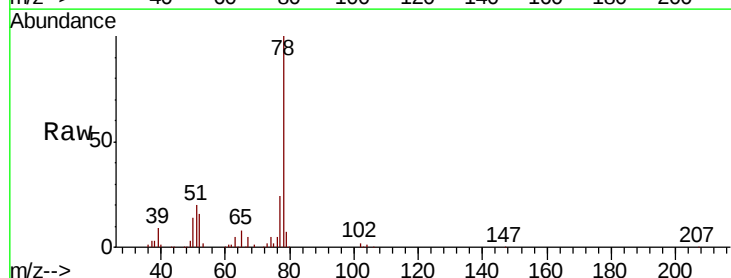
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

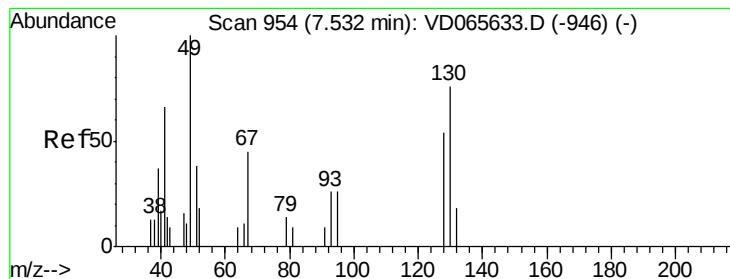
Tot Ion: 83 Resp: 194068
Ion Ratio Lower Upper
83 100
55 77.9 62.3 93.5
98 50.6 40.5 60.7



#40
Benzene
Concen: 49.819 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 78 Resp: 461715
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3





#41

Methacrylonitrile

Concen: 137.124 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.03 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 97332

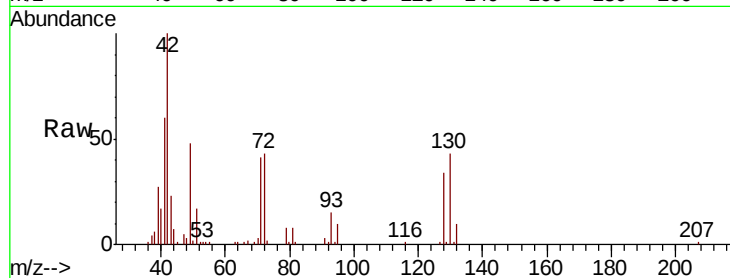
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

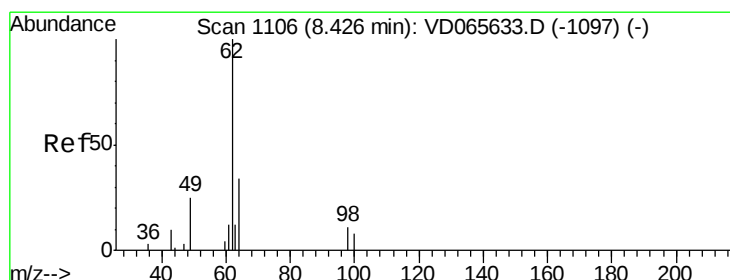
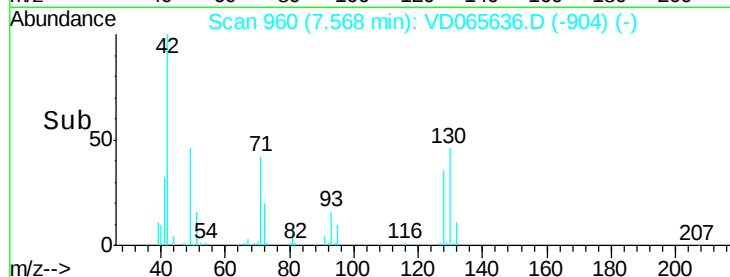
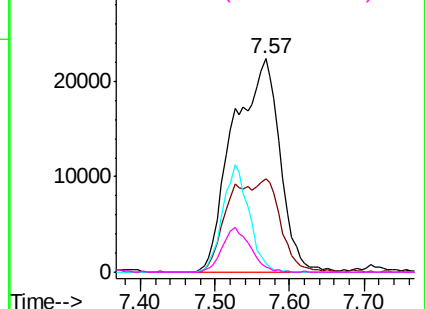


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.379 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065636.D

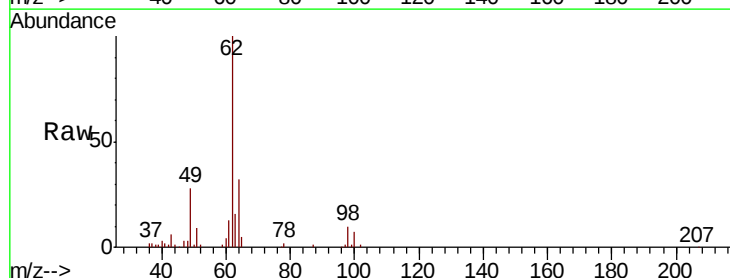
Acq: 15 Apr 2020 15:32

Tgt Ion: 62 Resp: 132045

Ion Ratio Lower Upper

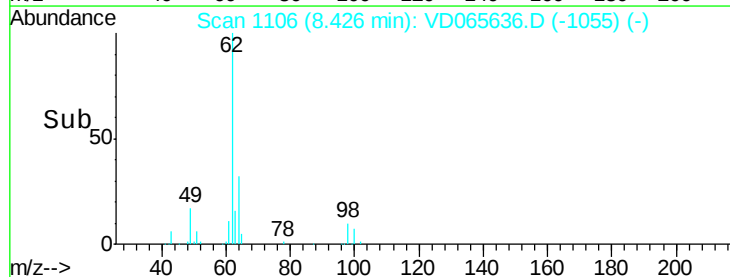
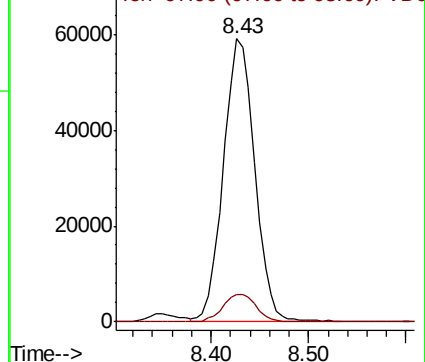
62 100

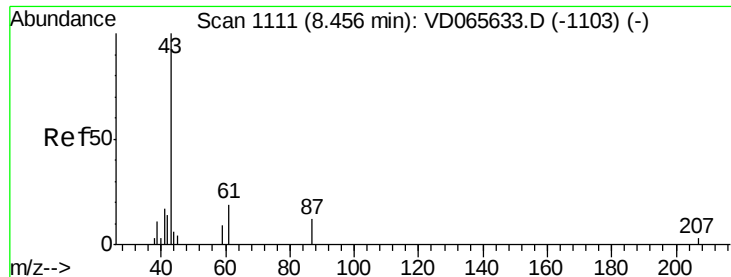
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 55.743 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

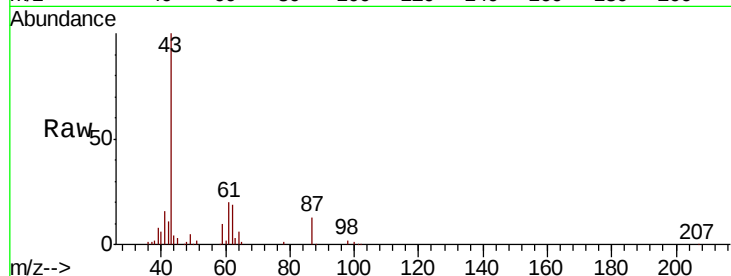
Tot Ion: 43 Resp: 125768

Ion Ratio Lower Upper

43 100

61 31.3 25.0 37.6

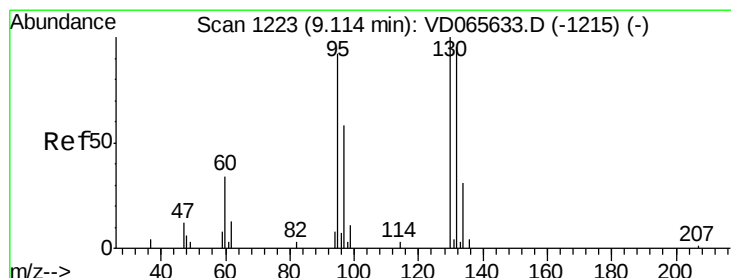
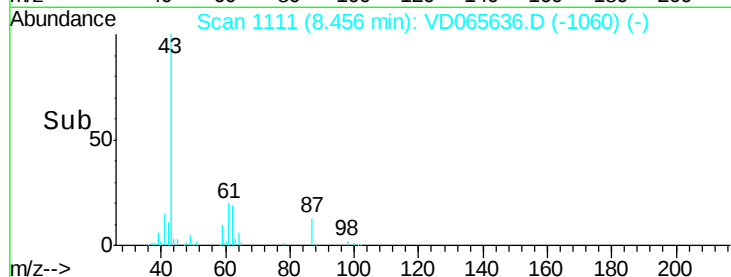
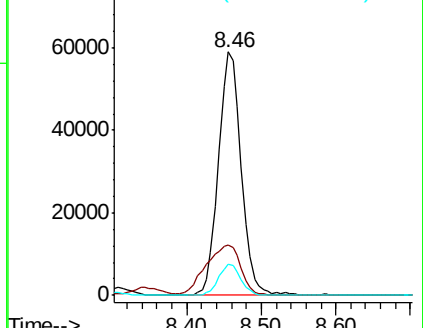
87 12.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.933 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065636.D

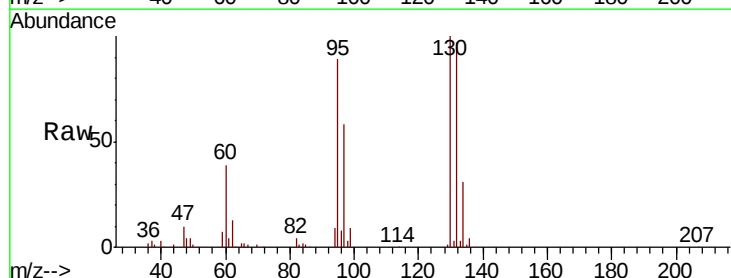
Acq: 15 Apr 2020 15:32

Tgt Ion: 130 Resp: 126908

Ion Ratio Lower Upper

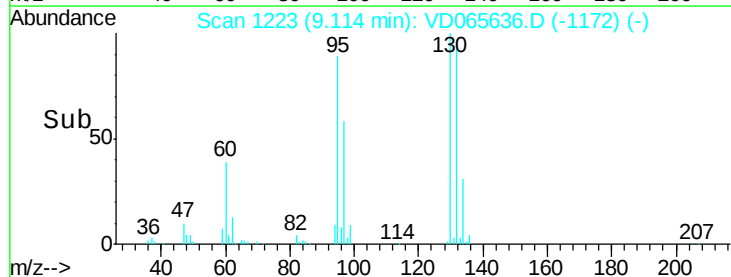
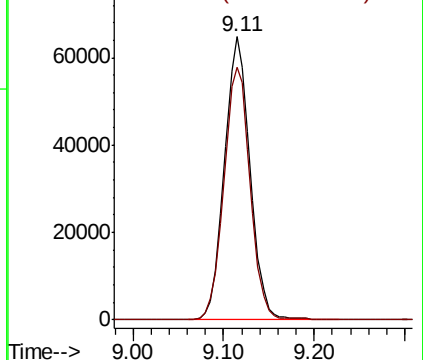
130 100

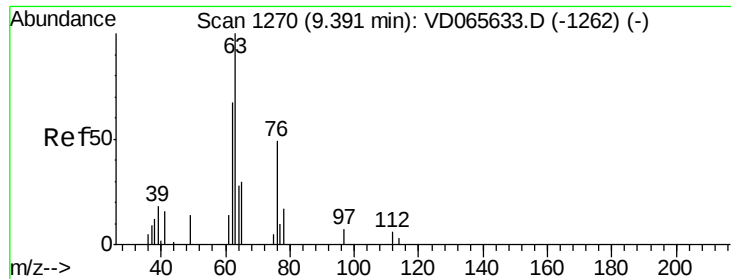
95 89.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.074 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

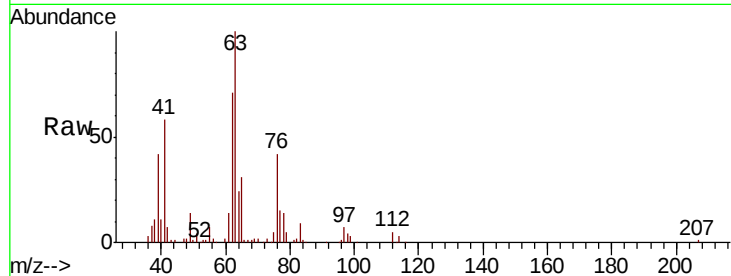
VSTDICCC050

Tot Ion: 63 Resp: 116149

Ion Ratio Lower Upper

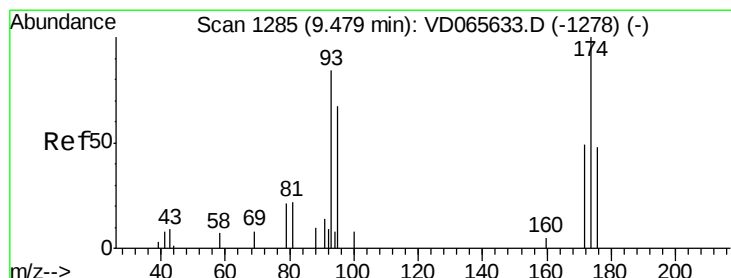
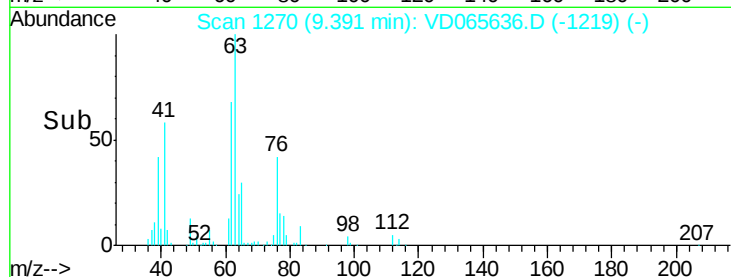
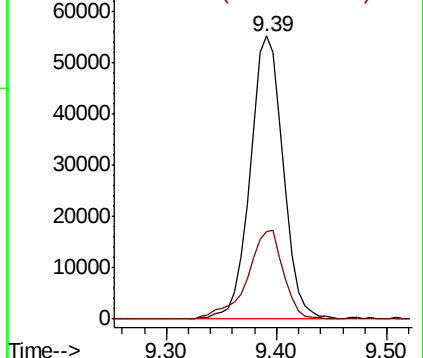
63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.034 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

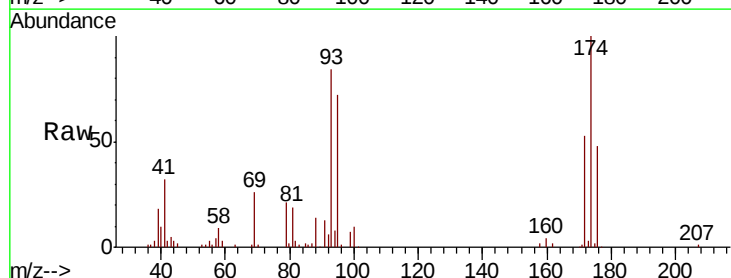
Tgt Ion: 93 Resp: 61329

Ion Ratio Lower Upper

93 100

95 84.3 67.4 101.2

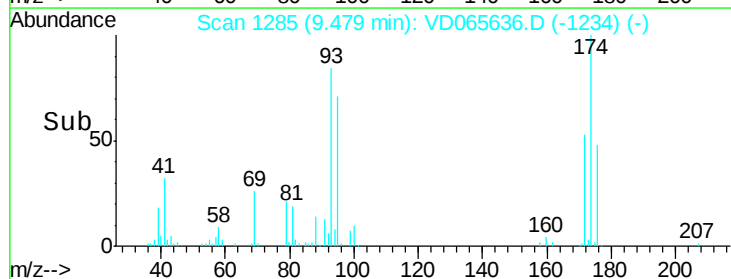
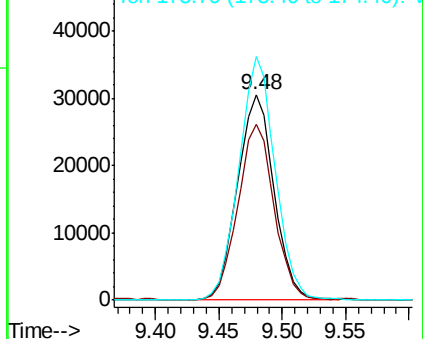
174 117.6 94.1 141.1

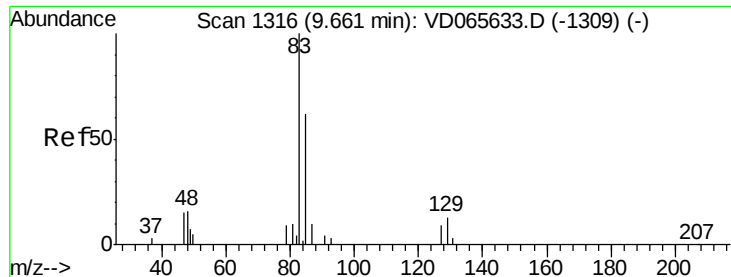


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.153 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

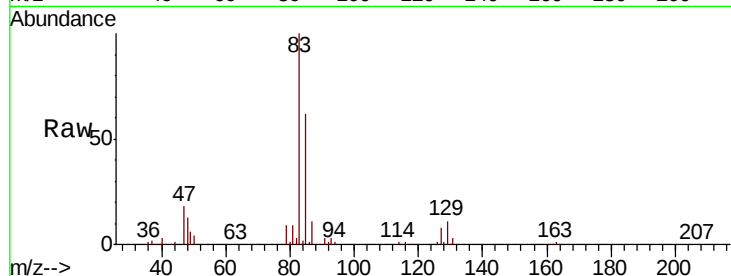
Tot Ion: 83 Resp: 160423

Ion Ratio Lower Upper

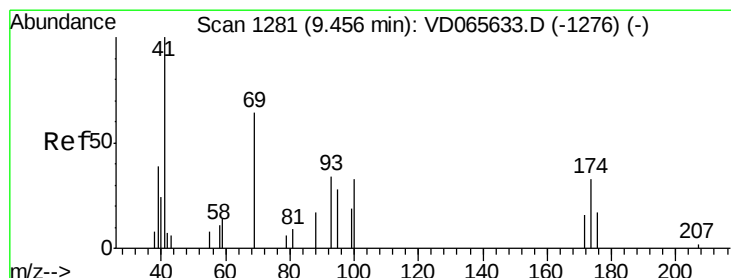
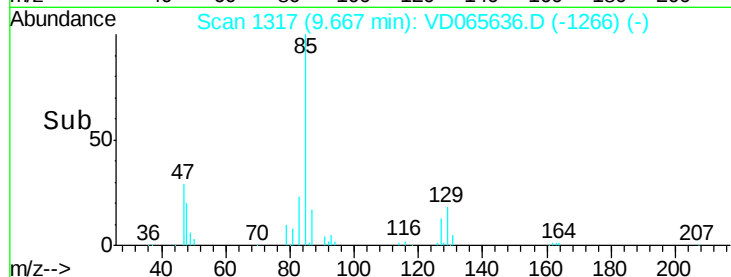
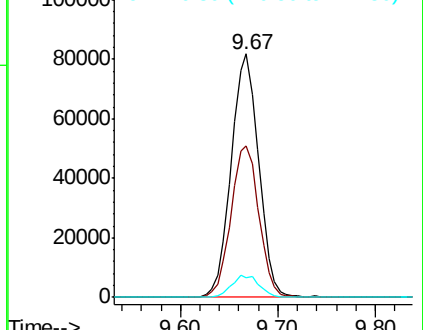
83 100

85 62.3 49.8 74.8

127 8.2 6.6 9.8



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): VDC



#48

Methyl methacrylate

Concen: 61.935 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

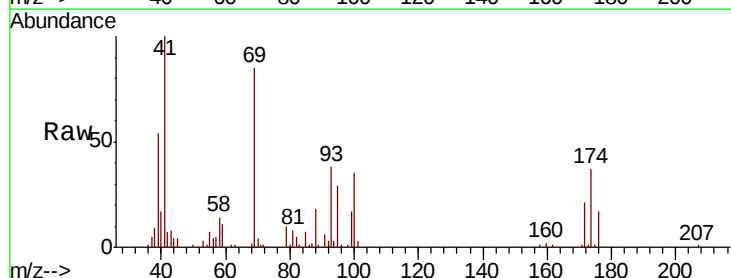
Tgt Ion: 41 Resp: 66638

Ion Ratio Lower Upper

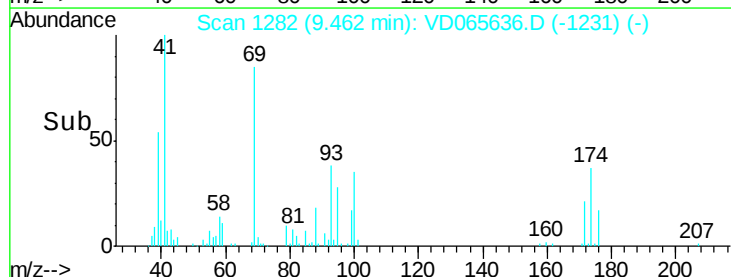
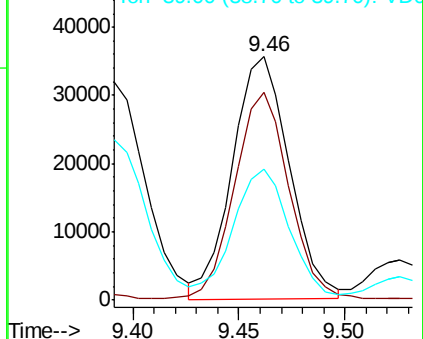
41 100

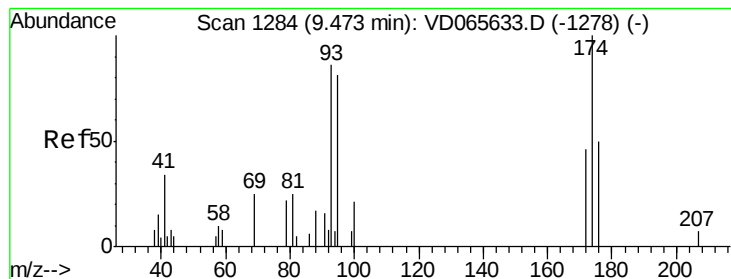
69 83.5 66.8 100.2

39 49.5 39.6 59.4



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: 1129.039 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

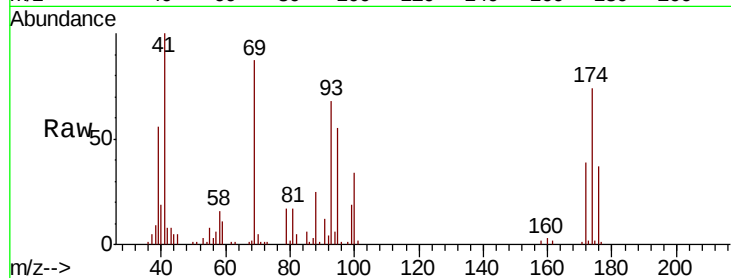
Tot Ion: 88 Resp: 15051

Ion Ratio Lower Upper

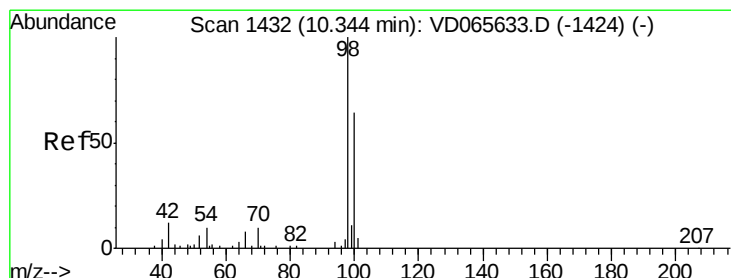
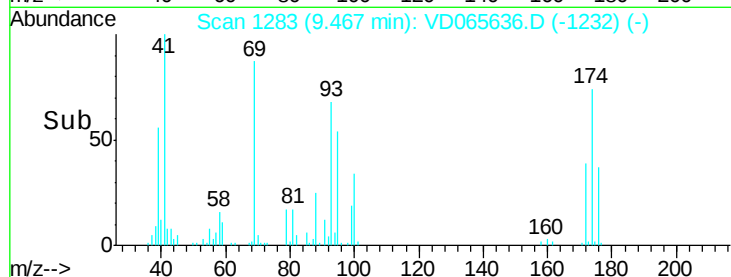
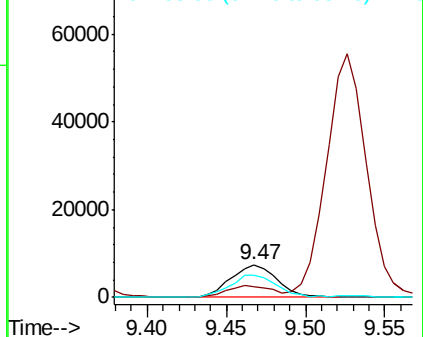
88 100

43 35.1 28.1 42.1

58 69.6 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.103 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065636.D

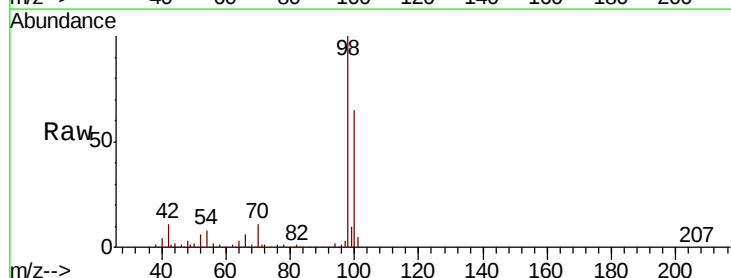
Acq: 15 Apr 2020 15:32

Tgt Ion: 98 Resp: 383600

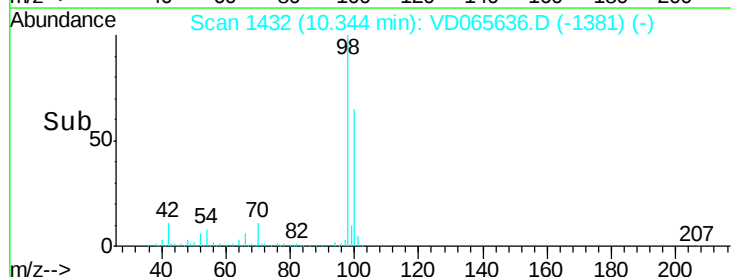
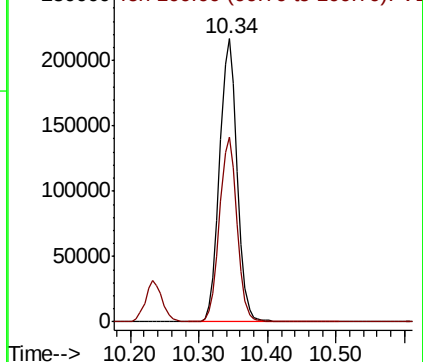
Ion Ratio Lower Upper

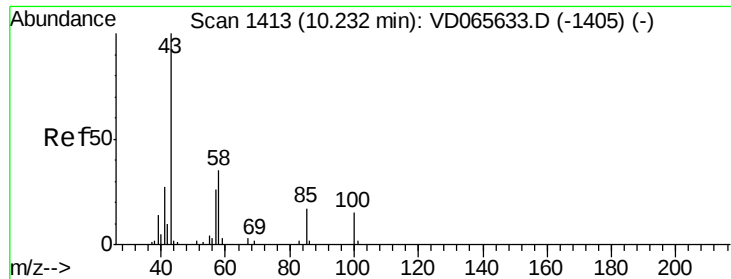
98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

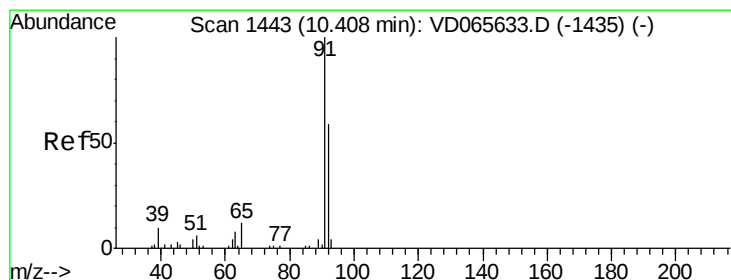
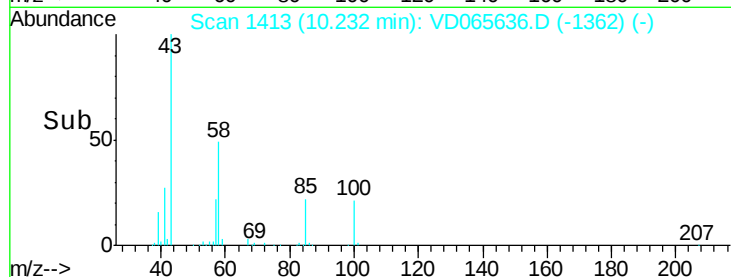
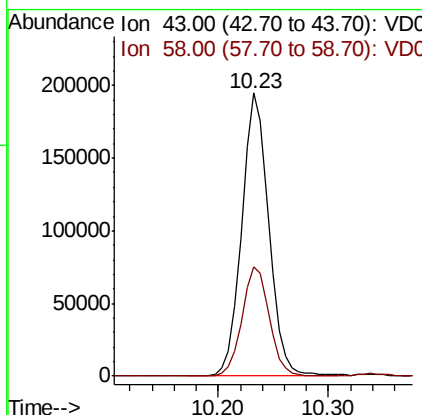
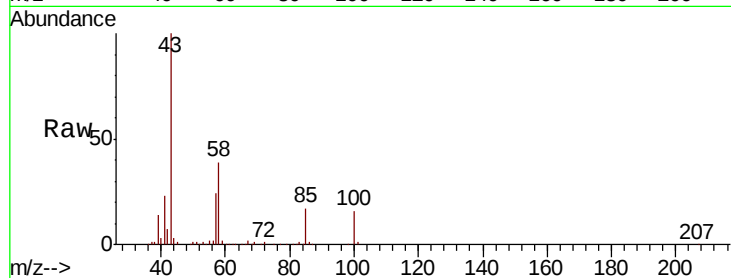




#51
 4-Methyl-2-Pentanone
 Concen: 287.221 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

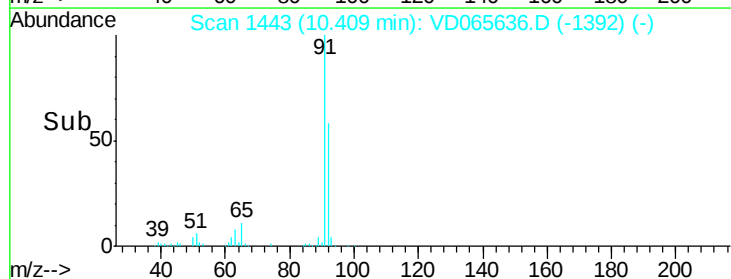
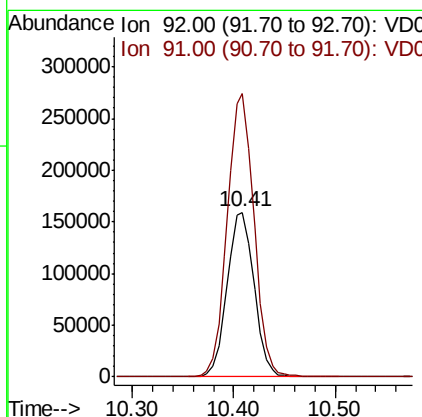
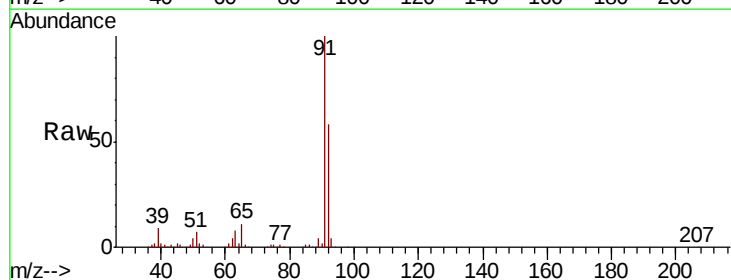
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

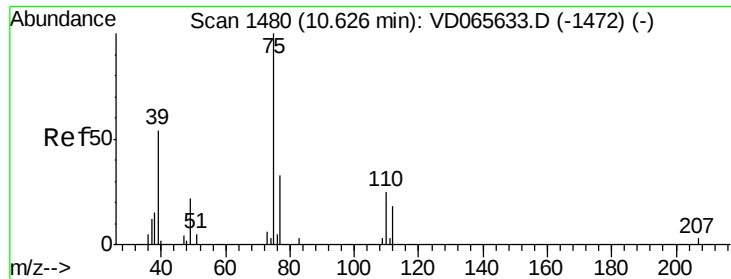
Tot Ion: 43 Resp: 336573
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7



#52
 Toluene
 Concen: 50.365 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 92 Resp: 294204
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.6 205.0

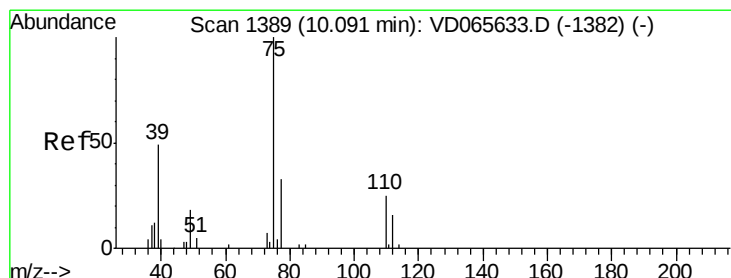
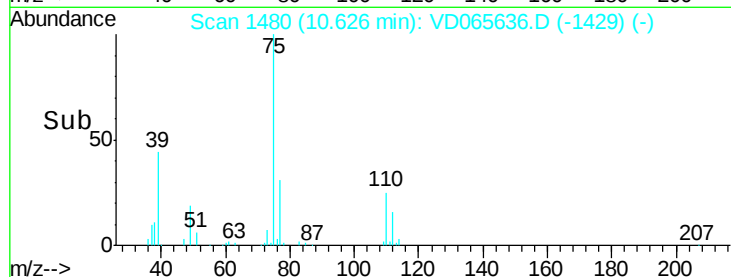
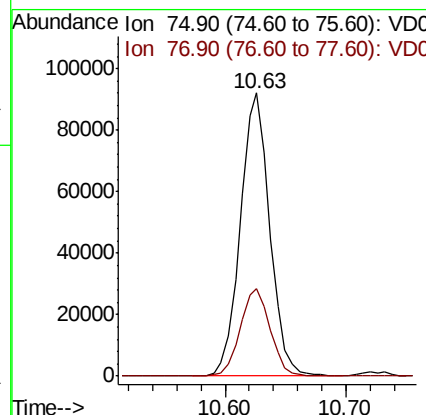
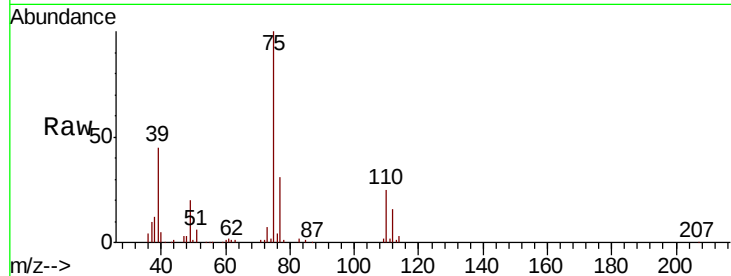




#53
t-1,3-Dichloropropene
Concen: 54.296 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

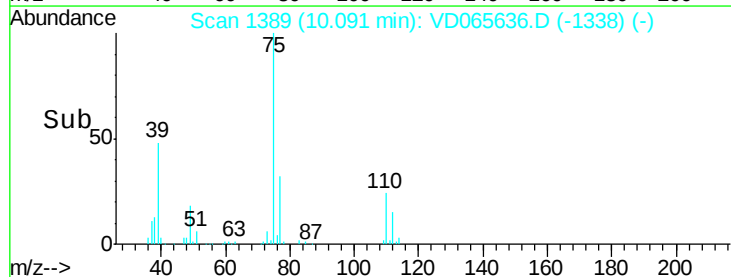
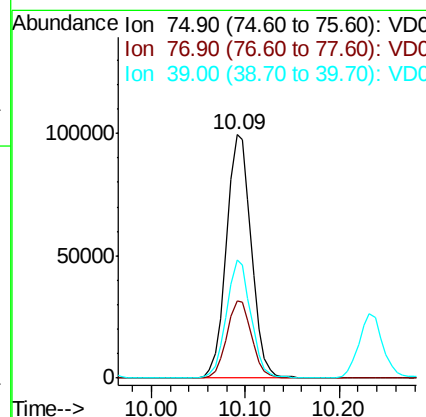
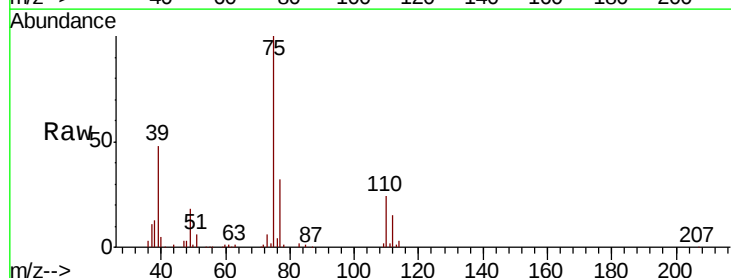
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

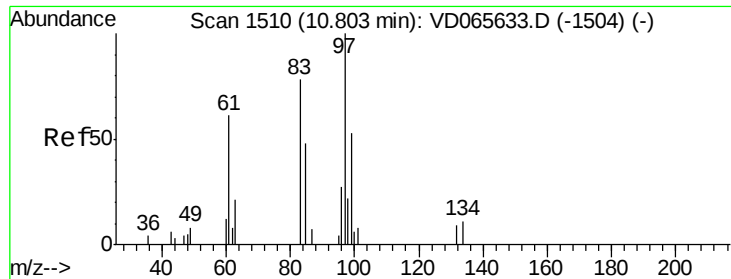
Tot Ion: 75 Resp: 155808
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 52.570 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 75 Resp: 183458
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 48.4 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 50.856 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 88051

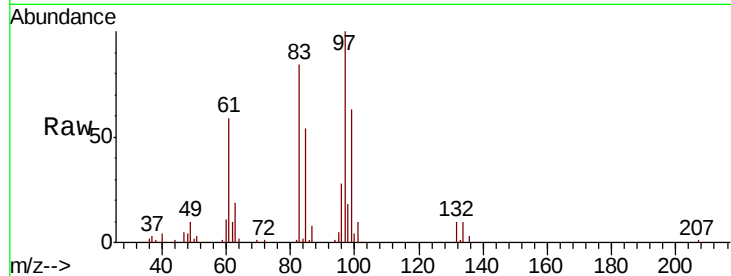
Ion Ratio Lower Upper

97 100

83 84.2 67.4 101.0

85 54.2 43.4 65.0

99 63.1 50.5 75.7

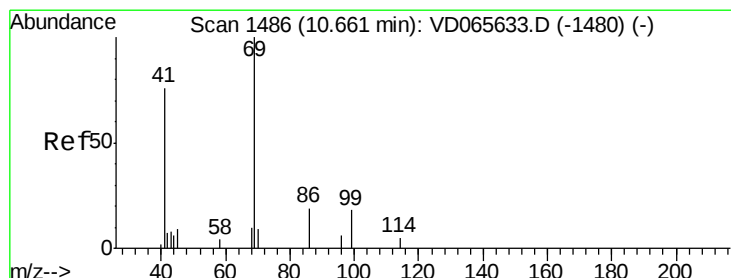
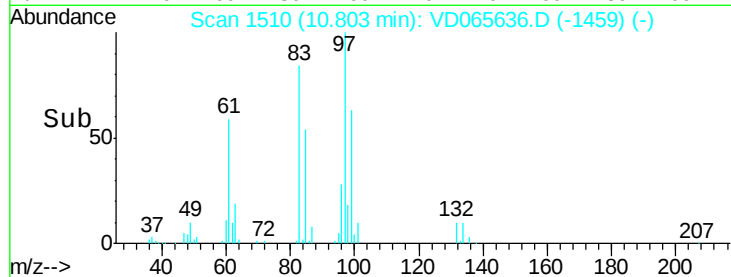
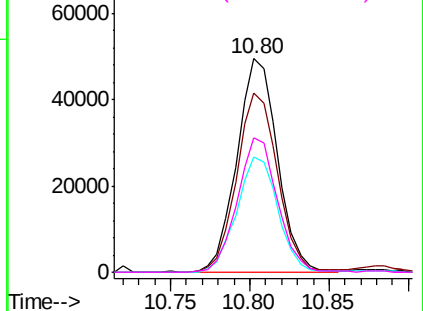


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 58.813 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

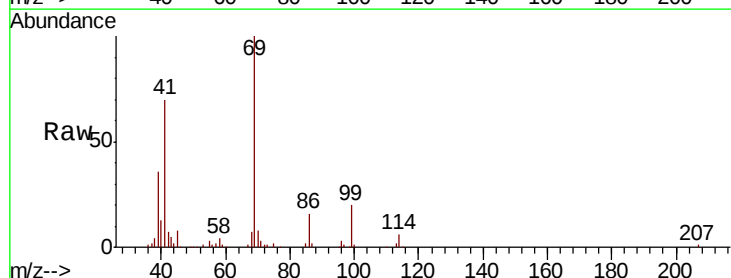
Tgt Ion: 69 Resp: 103121

Ion Ratio Lower Upper

69 100

41 70.3 56.2 84.4

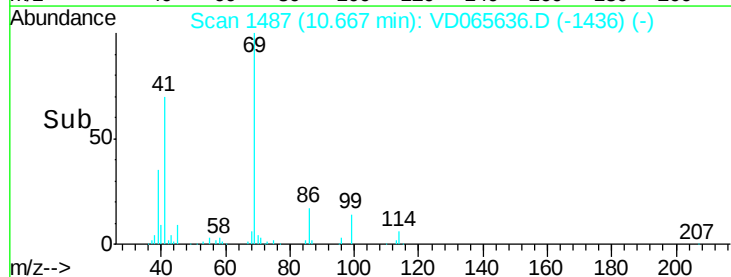
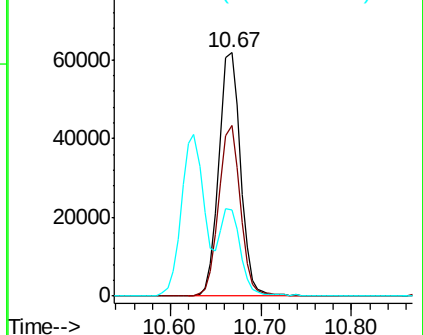
39 33.2 26.6 39.8

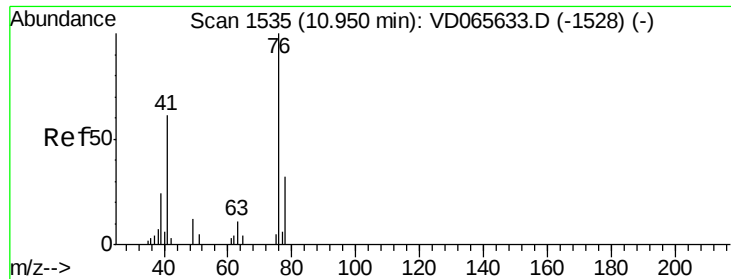


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

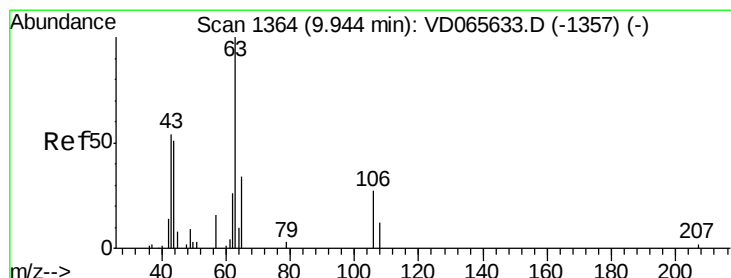
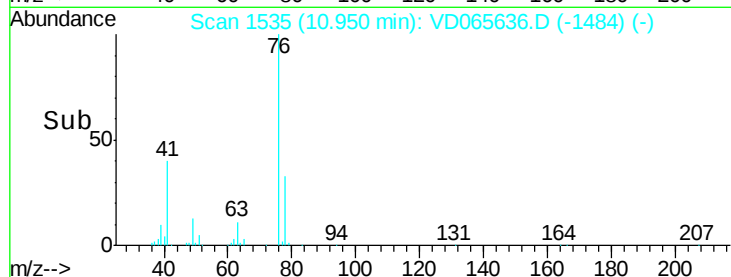
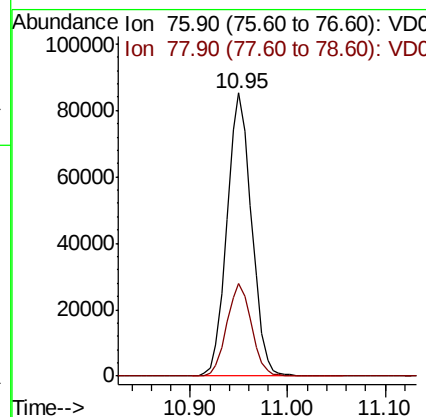
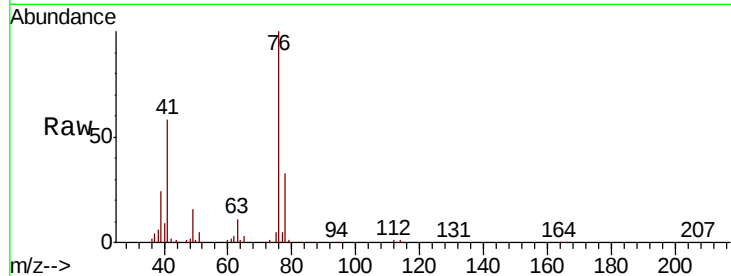




#57
 1,3-Dichloropropane
 Concen: 51.988 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

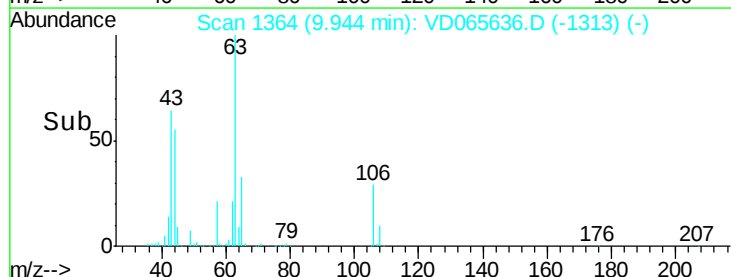
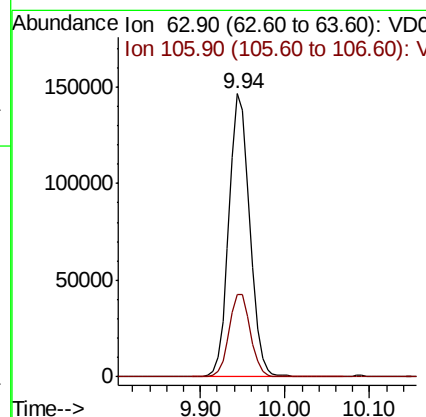
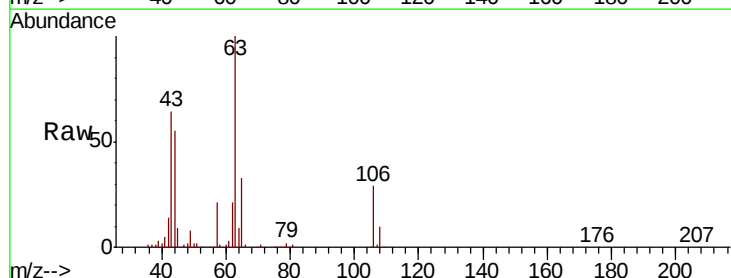
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

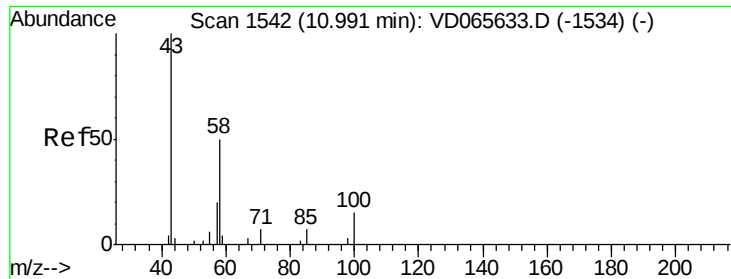
Tot Ion: 76 Resp: 149045
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.333 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 63 Resp: 249493
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.6

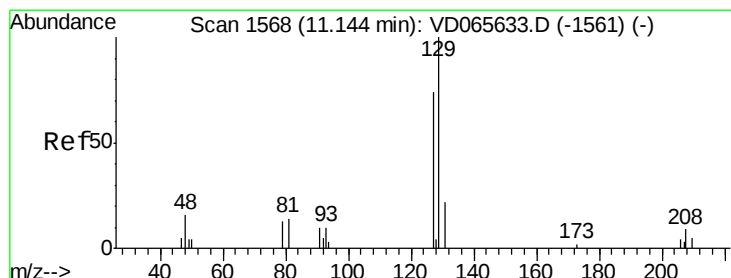
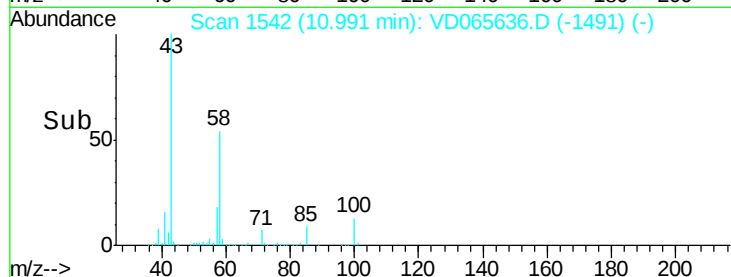
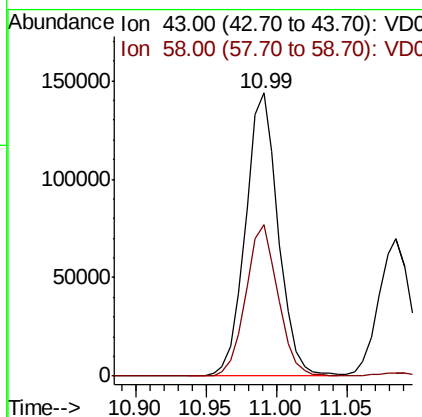
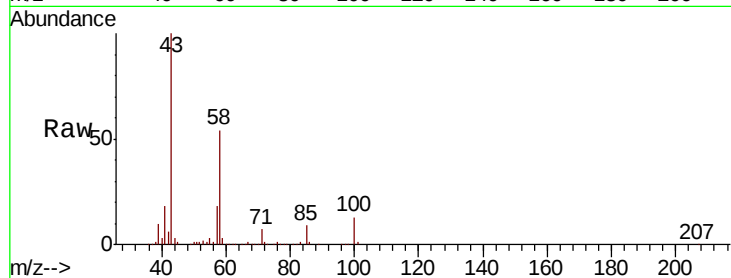




#59
2-Hexanone
Concen: 298.783 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

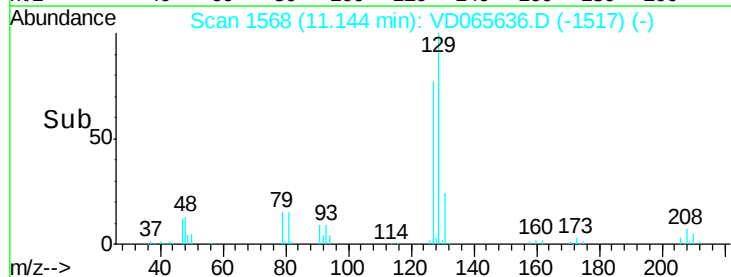
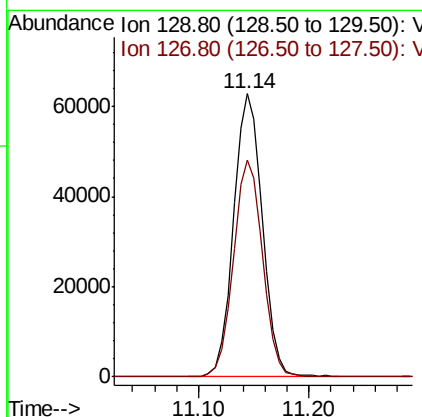
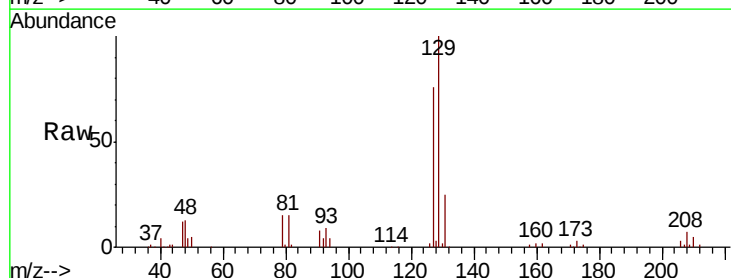
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

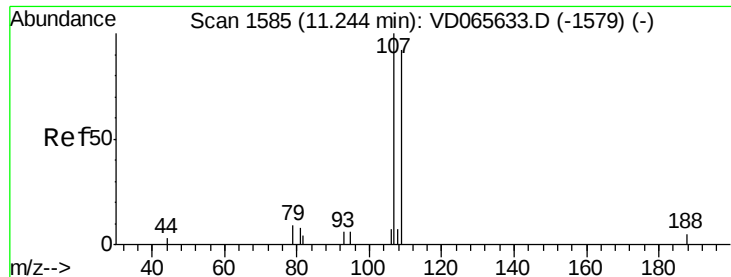
Tot Ion: 43 Resp: 233752
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.4



#60
Dibromochloromethane
Concen: 50.229 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 129 Resp: 114806
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

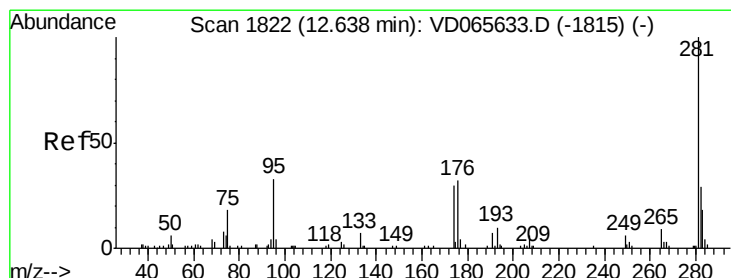
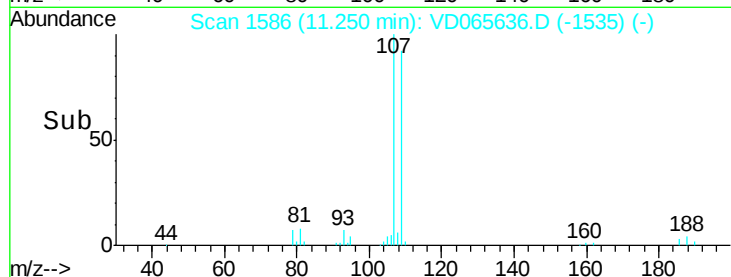
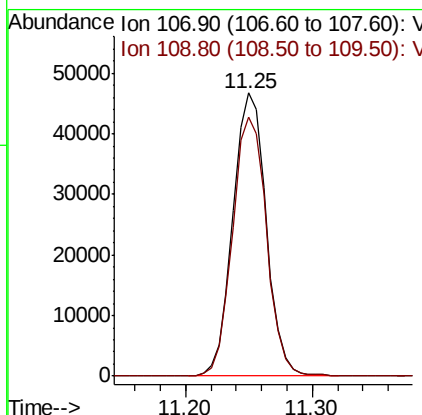
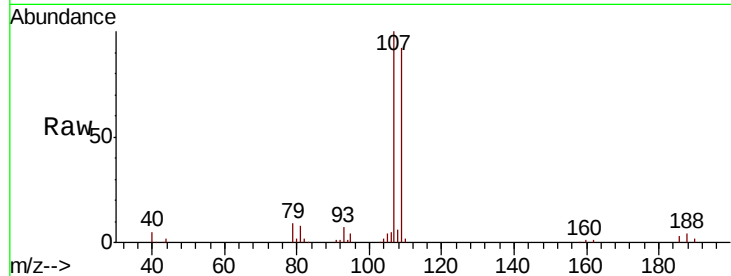




#61
 1,2-Dibromoethane
 Concen: 51.571 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

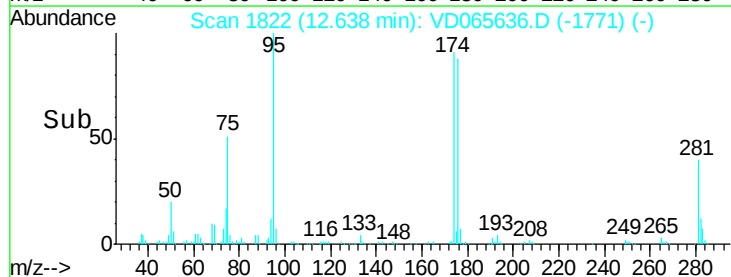
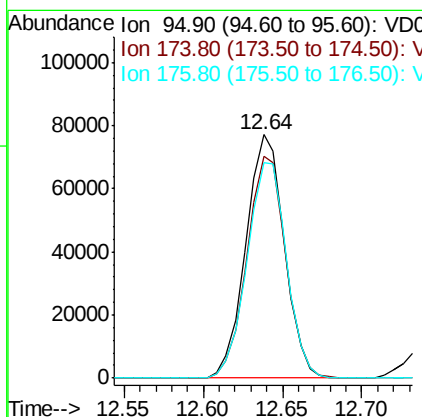
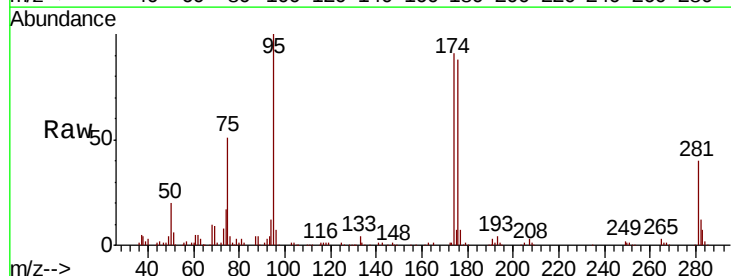
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

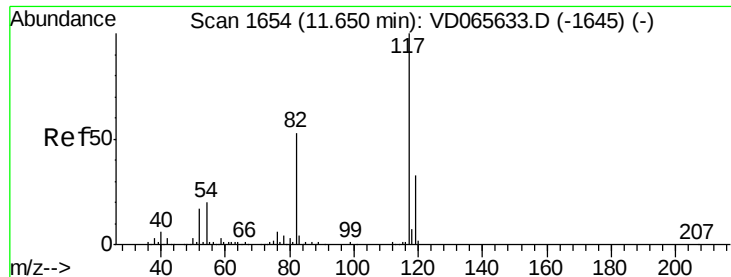
Tot Ion:107 Resp: 84918
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.249 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 95 Resp: 130026
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 183.8
 176 90.7 0.0 181.4

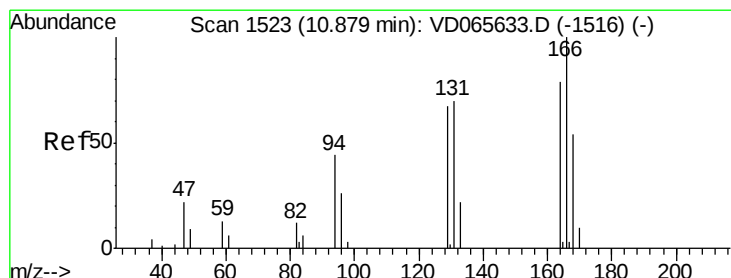
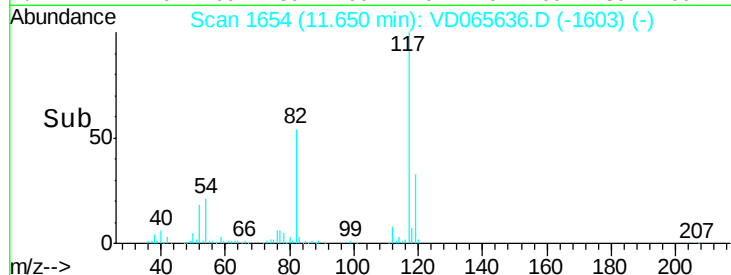
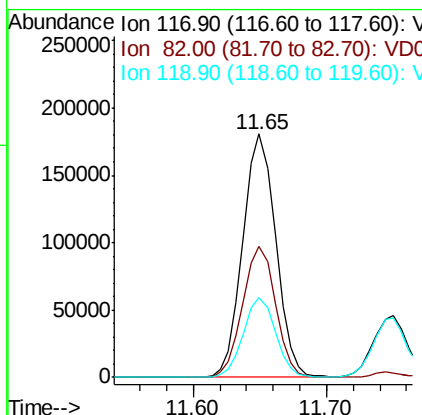
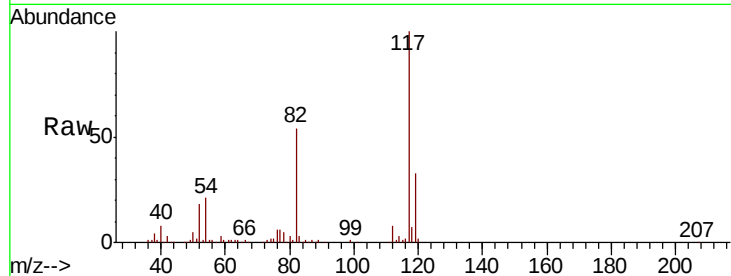




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

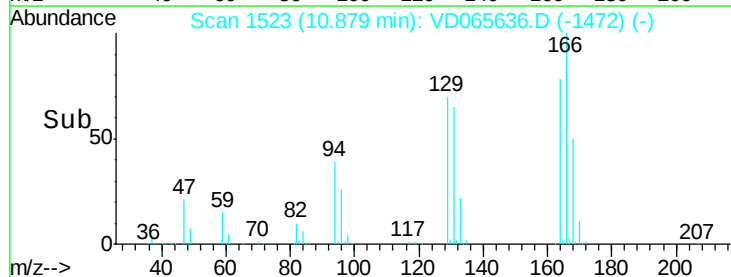
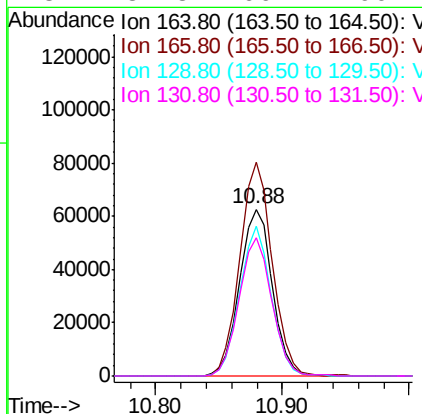
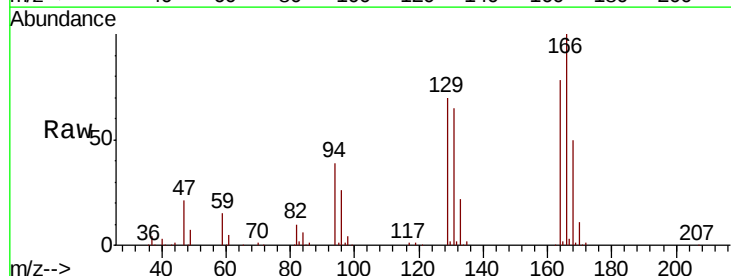
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

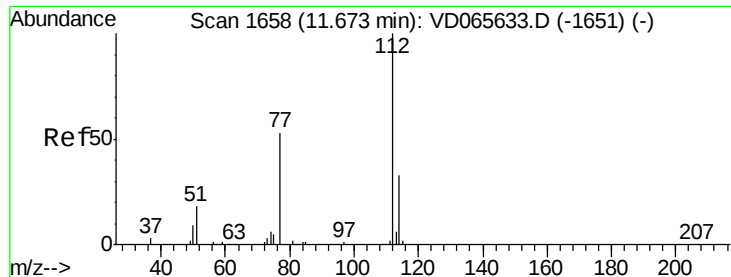
Tot Ion:117 Resp: 309471
Ion Ratio Lower Upper
117 100
82 54.0 43.2 64.8
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 46.764 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:164 Resp: 112441
Ion Ratio Lower Upper
164 100
166 127.9 102.3 153.5
129 89.6 71.7 107.5
131 82.8 66.2 99.4

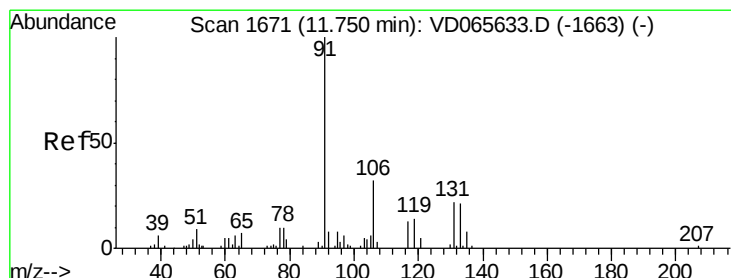
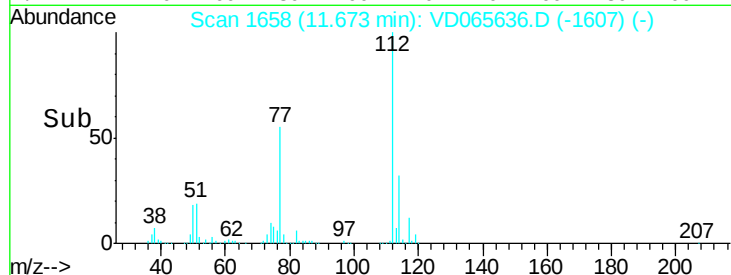
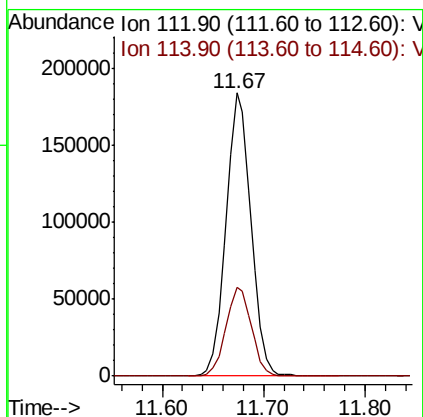
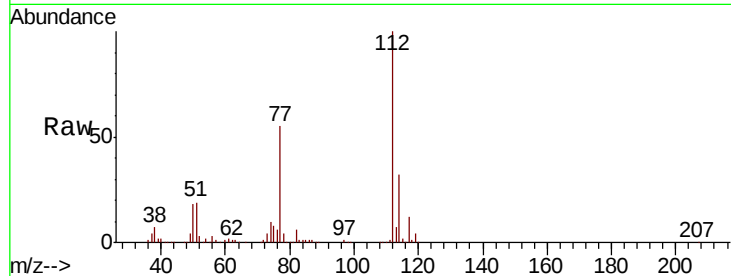




#65
Chlorobenzene
Concen: 47.707 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

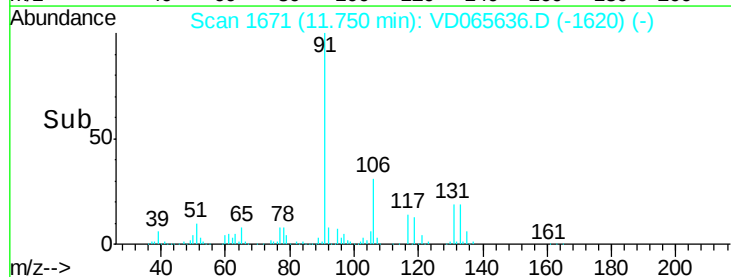
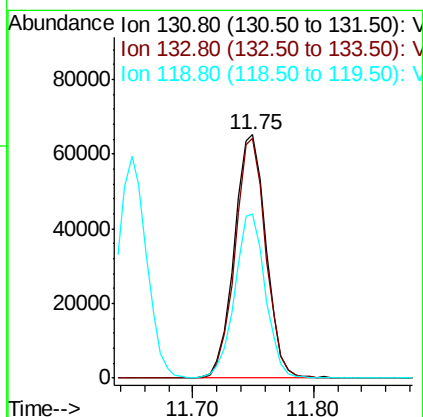
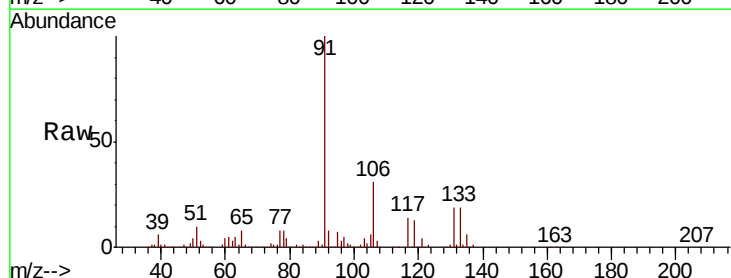
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

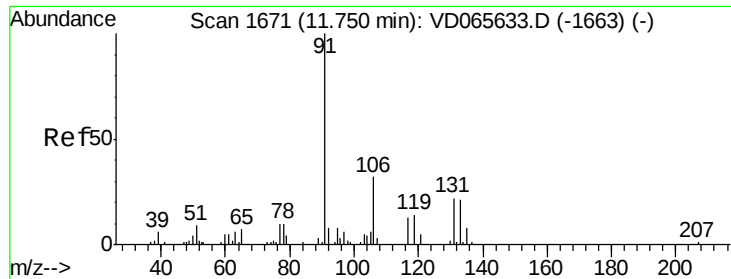
Tot Ion:112 Resp: 313284
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.753 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:131 Resp: 119323
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.1 32.6 97.7





#67

Ethyl Benzene

Concen: 50.749 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

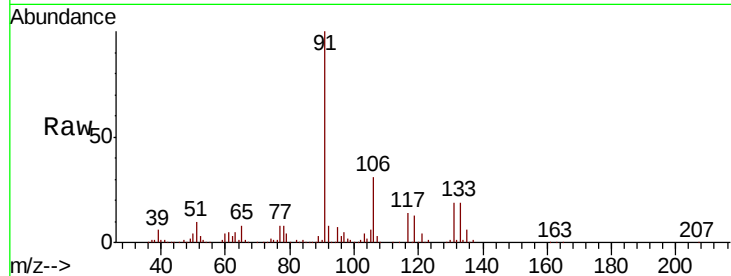
VSTDICCC050

Tot Ion: 91 Resp: 549013

Ion Ratio Lower Upper

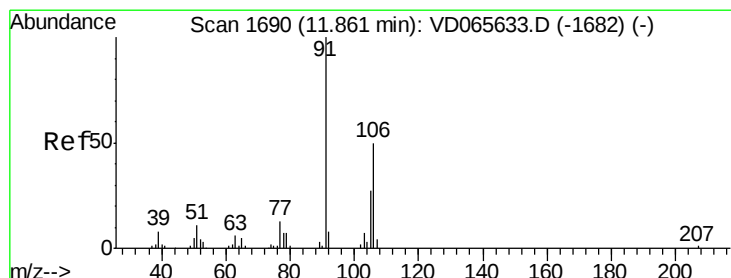
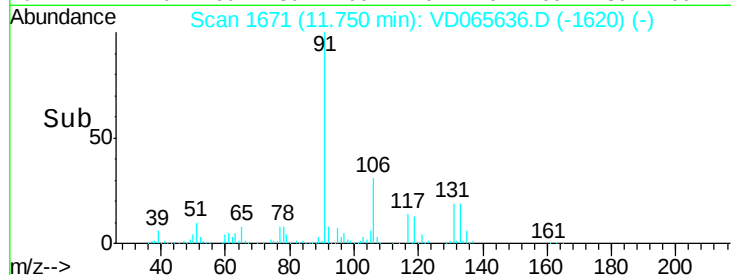
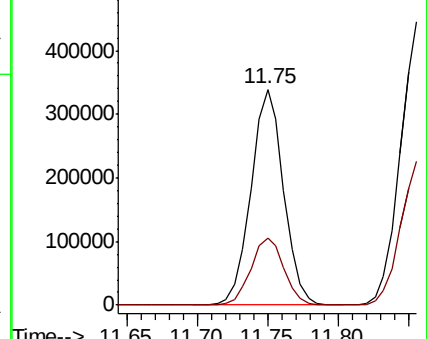
91 100

106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 101.044 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065636.D

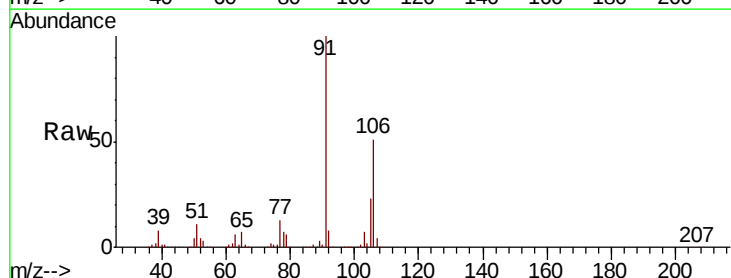
Acq: 15 Apr 2020 15:32

Tgt Ion: 106 Resp: 429741

Ion Ratio Lower Upper

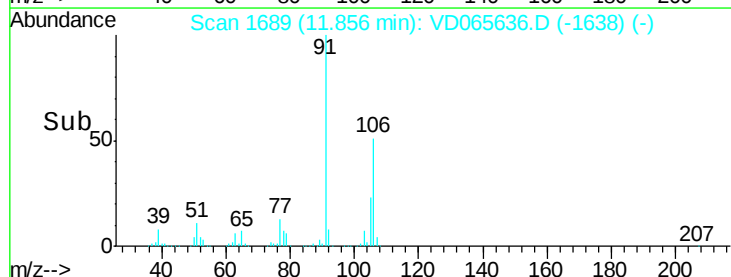
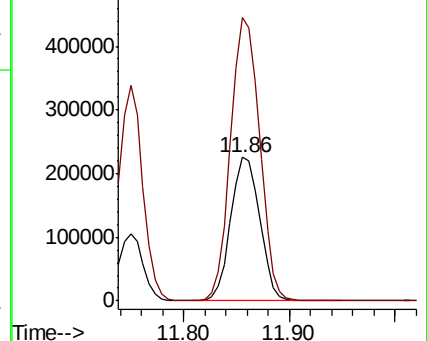
106 100

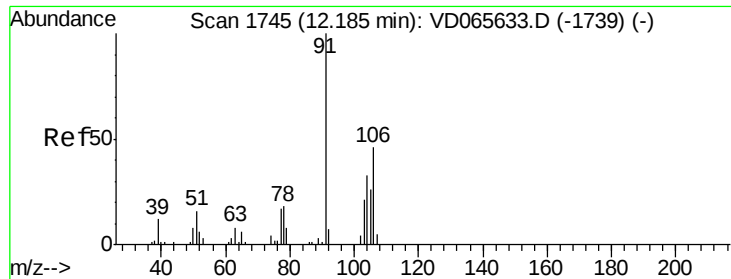
91 197.4 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

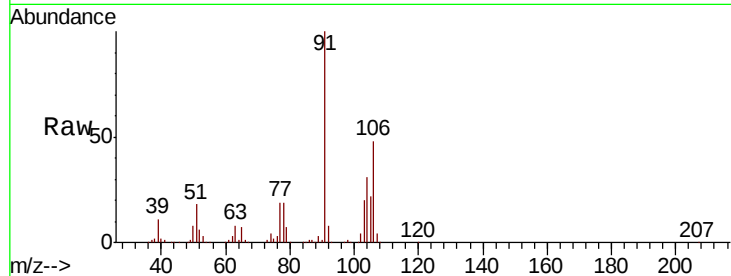




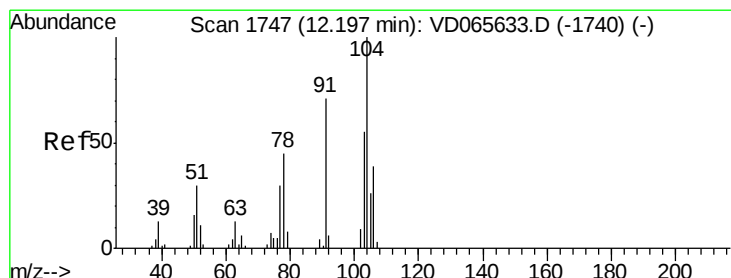
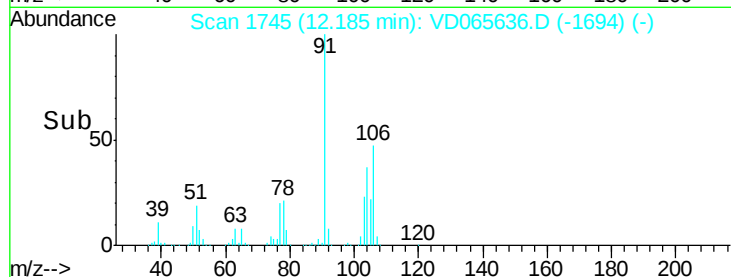
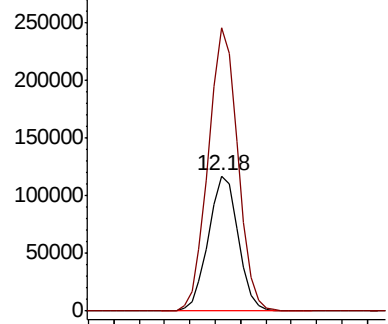
#69
o-Xylene
Concen: 52.050 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 191464
Ion Ratio Lower Upper
106 100
91 207.3 103.6 310.9

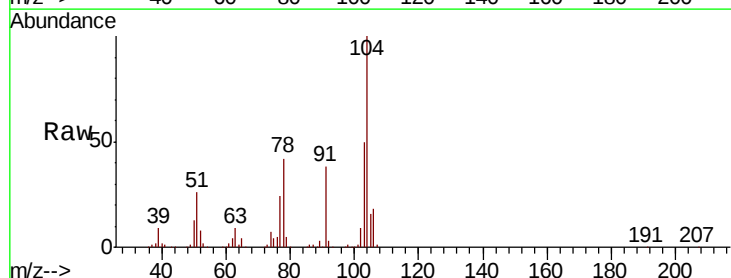


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

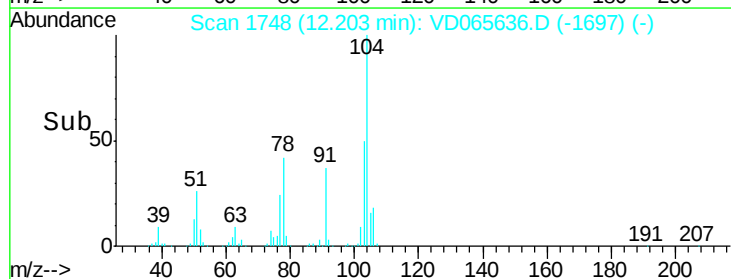
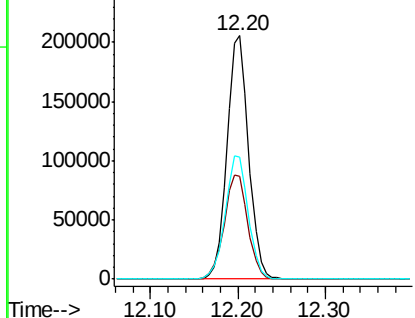


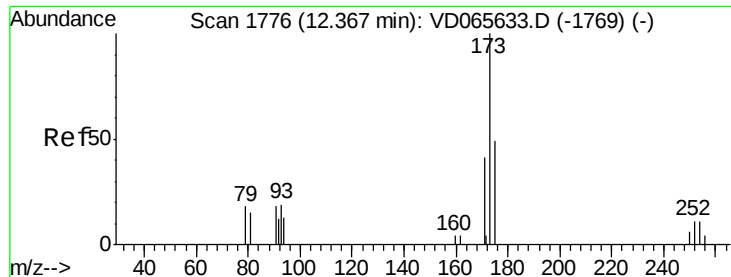
#70
Styrene
Concen: 53.361 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:104 Resp: 347426
Ion Ratio Lower Upper
104 100
78 46.9 37.5 56.3
103 54.2 43.4 65.0



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





#71

Bromoform

Concen: 49.547 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

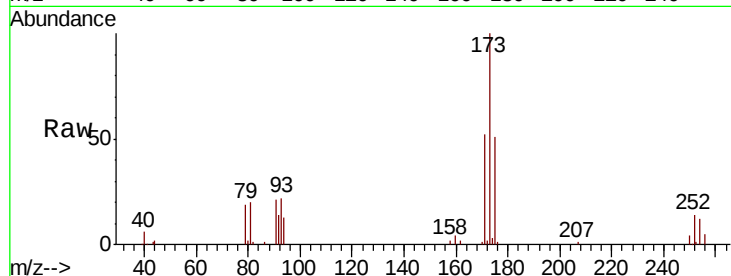
Tot Ion:173 Resp: 70730

Ion Ratio Lower Upper

173 100

175 50.1 25.1 75.2

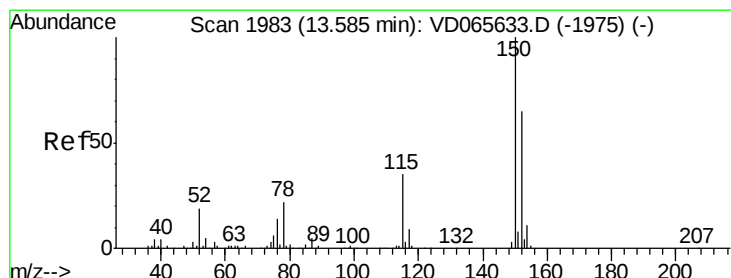
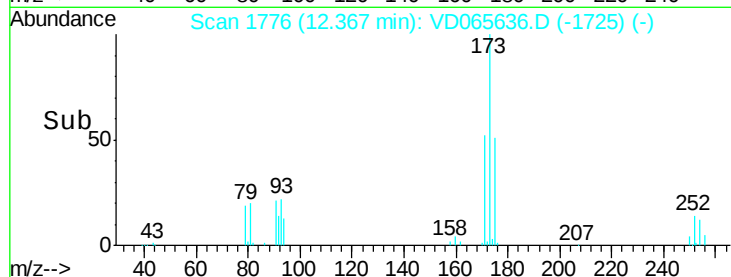
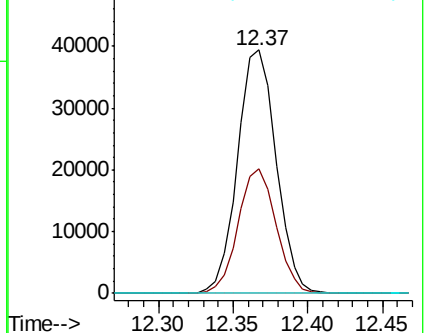
254 0.0 0.0 0.0



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: VD065636.D

Acq: 15 Apr 2020 15:32

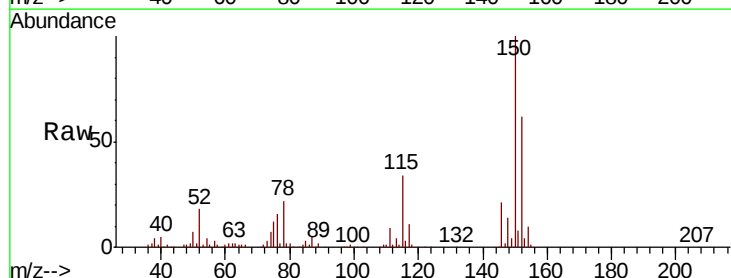
Tgt Ion:152 Resp: 161071

Ion Ratio Lower Upper

152 100

115 55.1 27.6 82.7

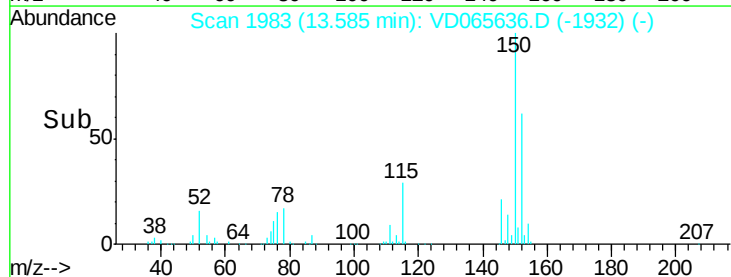
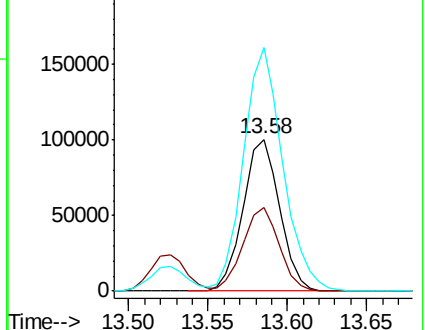
150 173.0 0.0 346.0

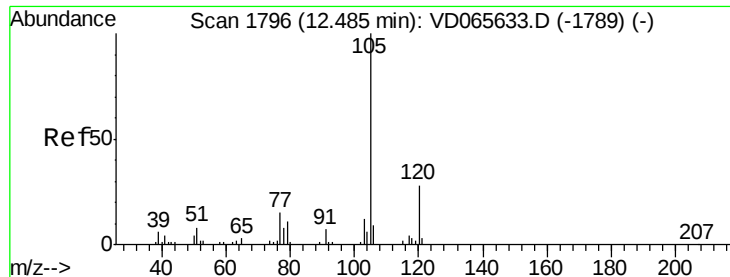


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.834 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

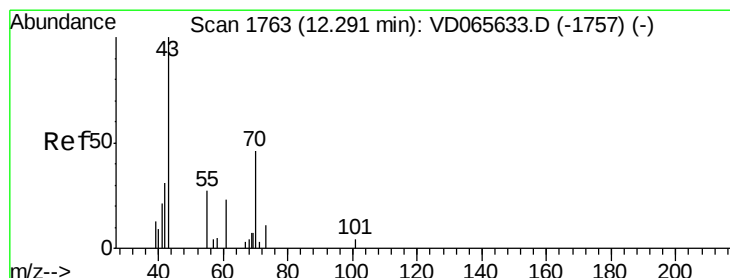
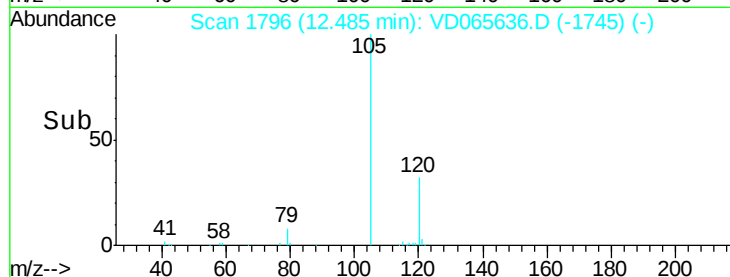
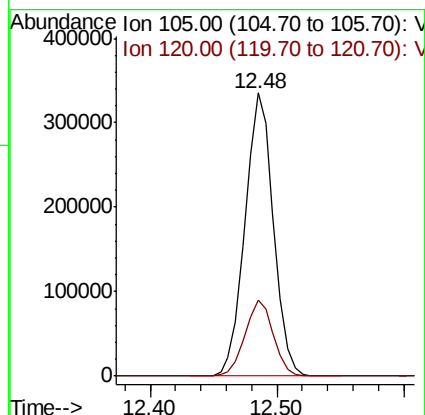
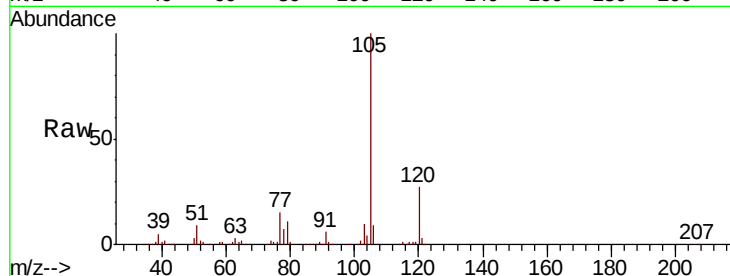
VSTDICCC050

Tot Ion:105 Resp: 519546

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 57.189 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Tgt Ion: 43 Resp: 117592

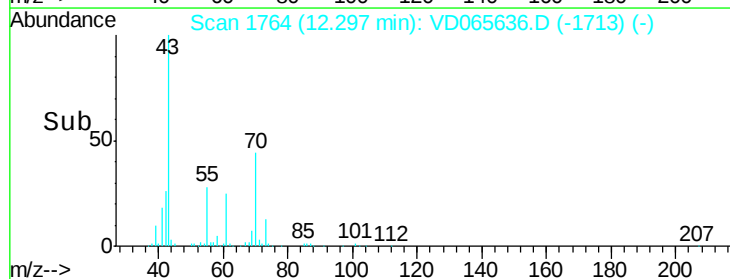
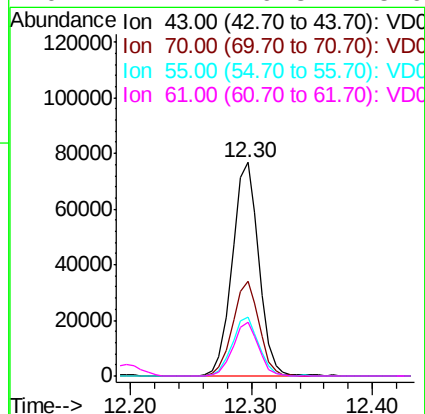
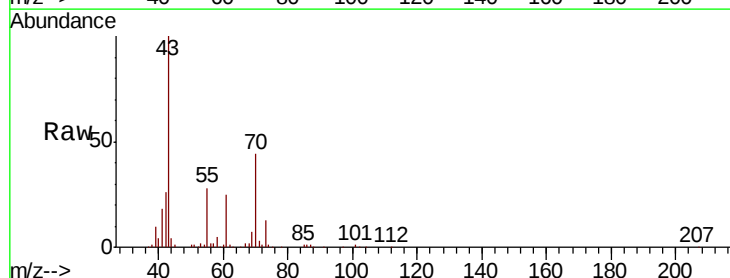
Ion Ratio Lower Upper

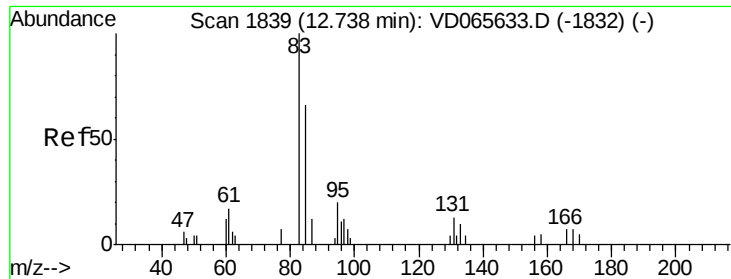
43 100

70 44.2 35.4 53.0

55 27.7 22.2 33.2

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.967 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

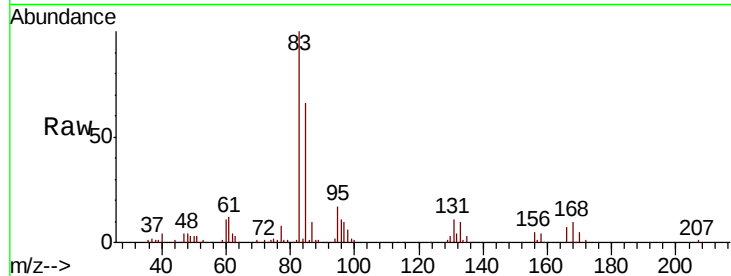
Tot Ion: 83 Resp: 94257

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

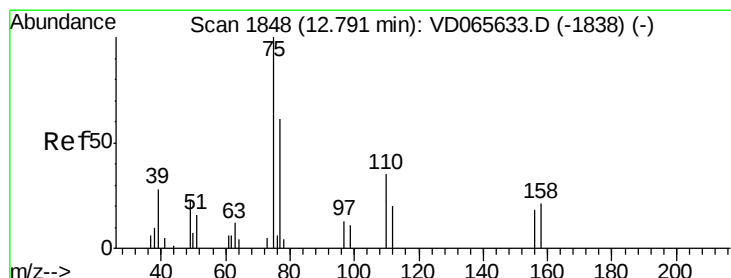
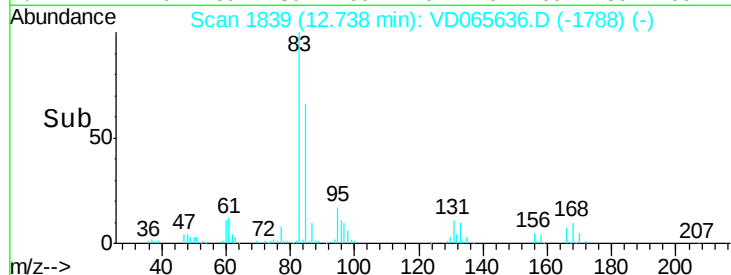
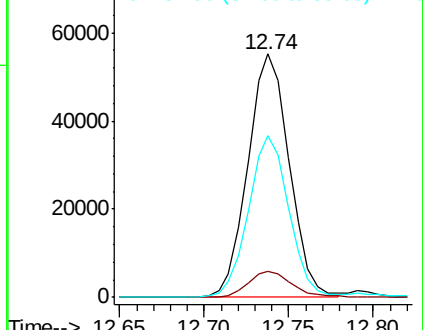
85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 93.269 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065636.D

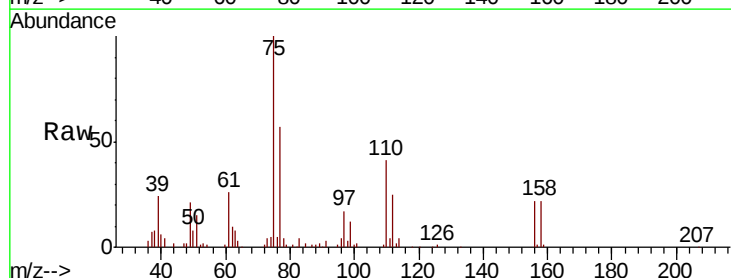
Acq: 15 Apr 2020 15:32

Tgt Ion: 75 Resp: 123659

Ion Ratio Lower Upper

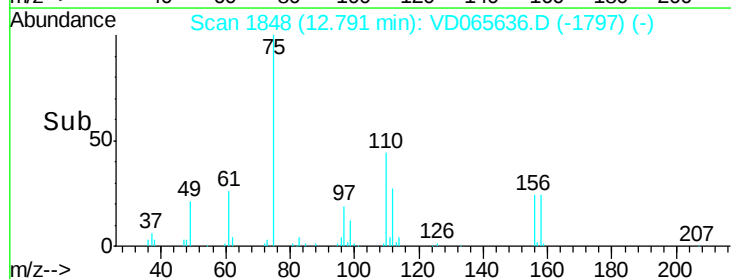
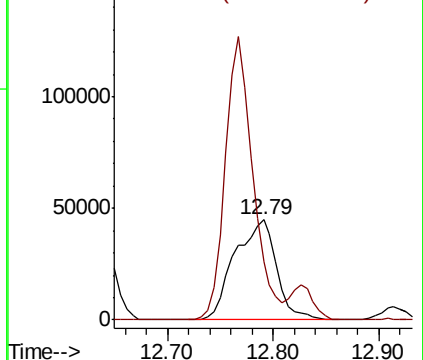
75 100

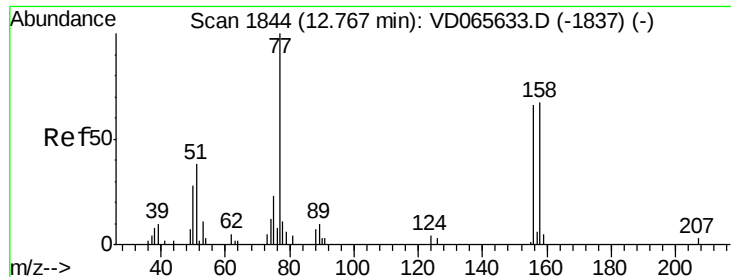
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.135 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

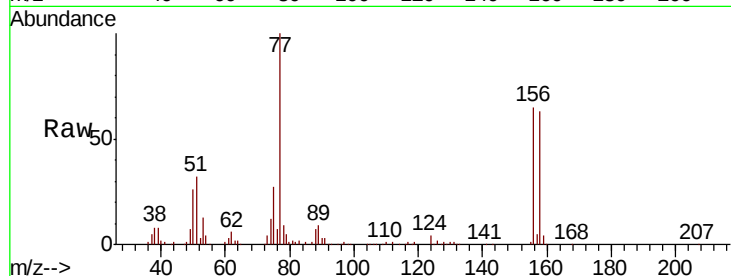
Tot Ion:156 Resp: 135949

Ion Ratio Lower Upper

156 100

77 169.4 84.7 254.1

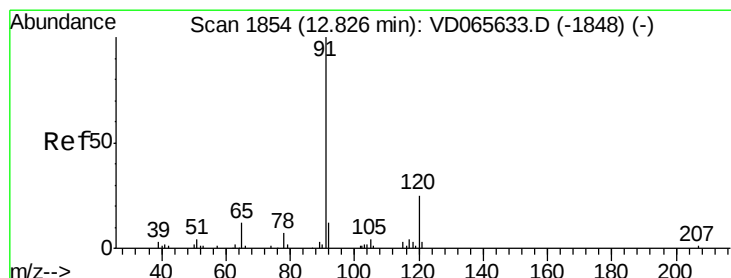
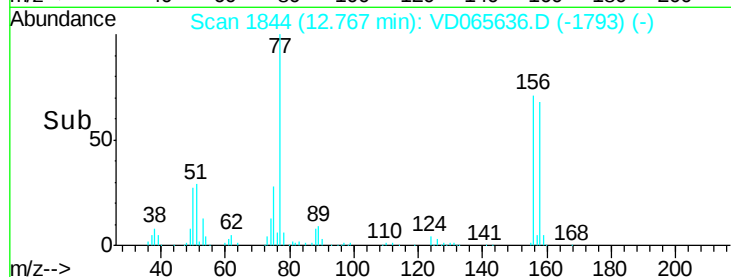
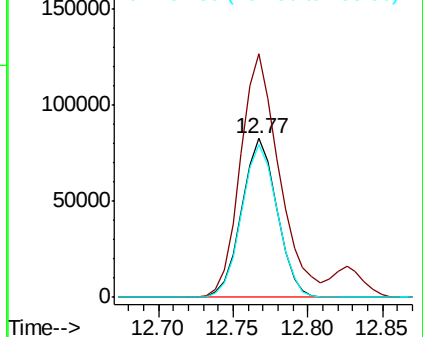
158 97.0 48.5 145.5



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: 51.764 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065636.D

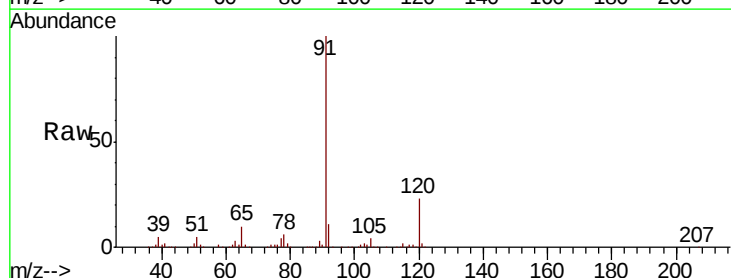
Acq: 15 Apr 2020 15:32

Tgt Ion: 91 Resp: 627228

Ion Ratio Lower Upper

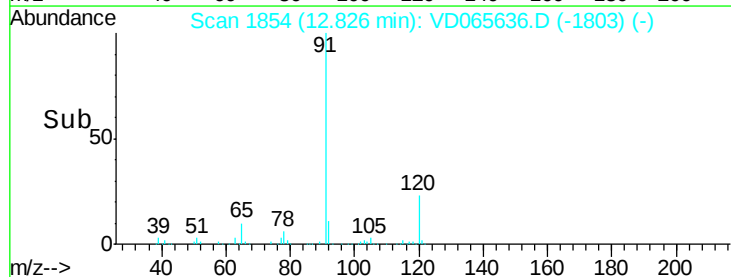
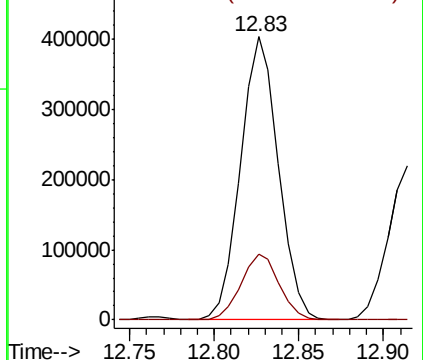
91 100

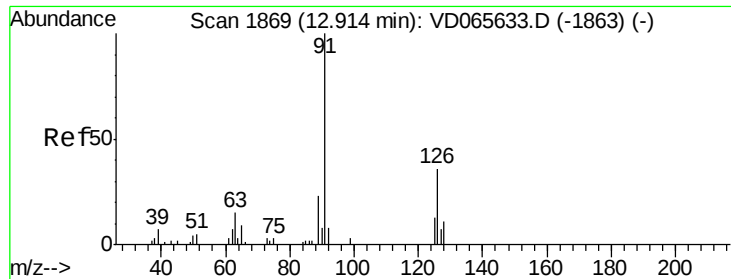
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

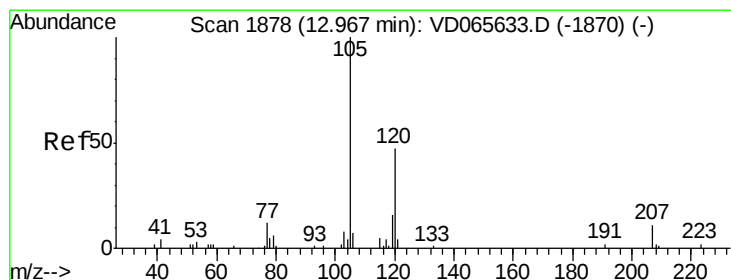
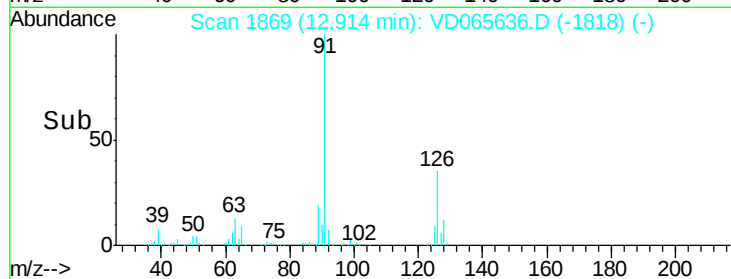
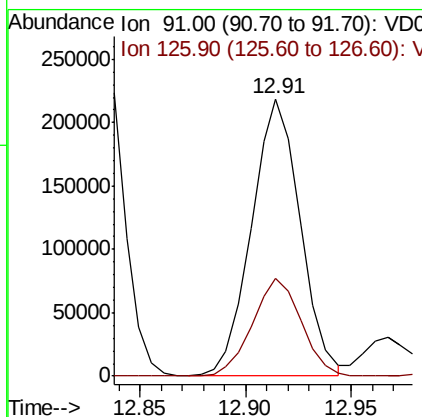
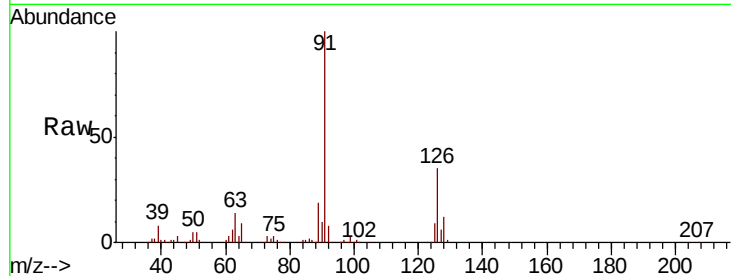




#79
 2-Chlorotoluene
 Concen: 50.380 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

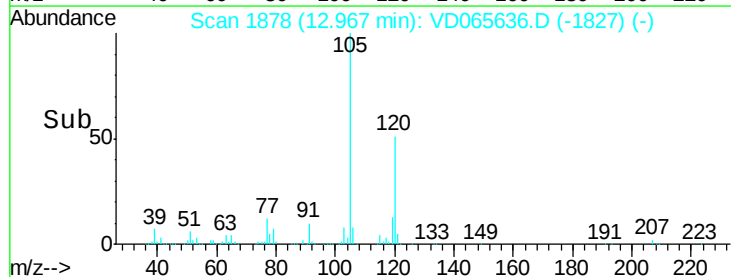
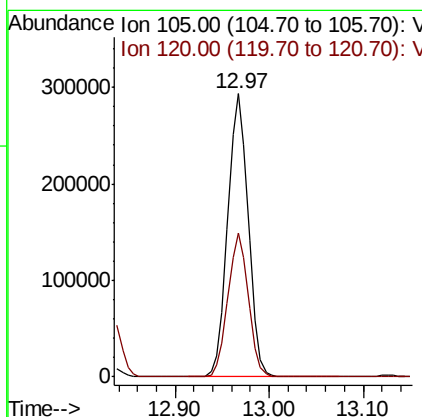
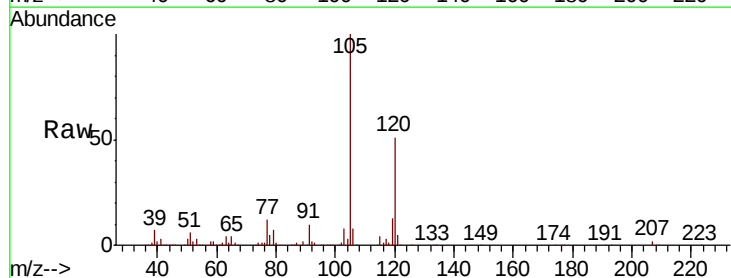
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

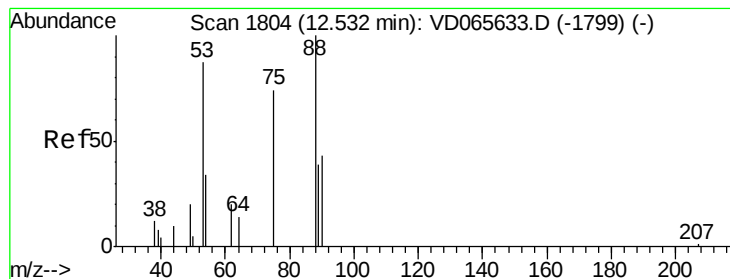
Tot Ion: 91 Resp: 350484
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.487 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion: 105 Resp: 445864
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.294 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

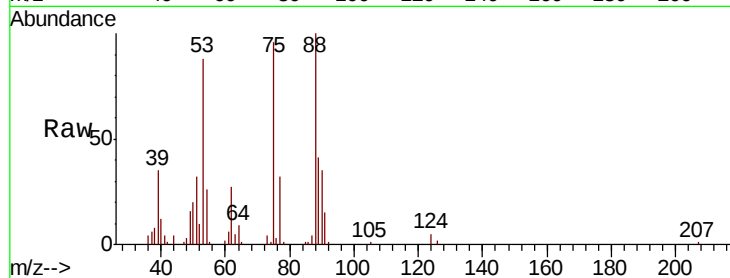
Tot Ion: 75 Resp: 32975

Ion Ratio Lower Upper

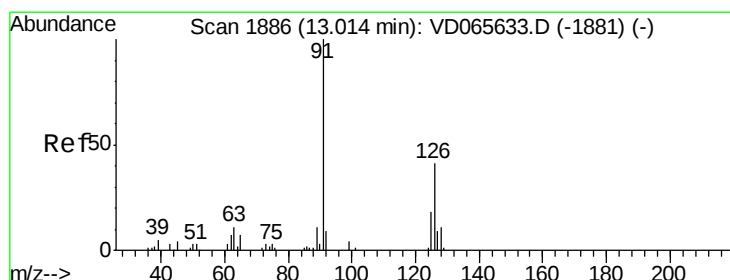
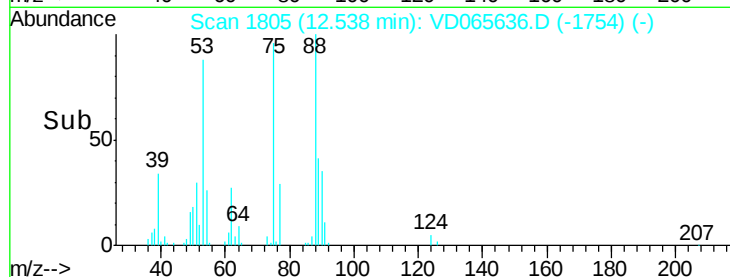
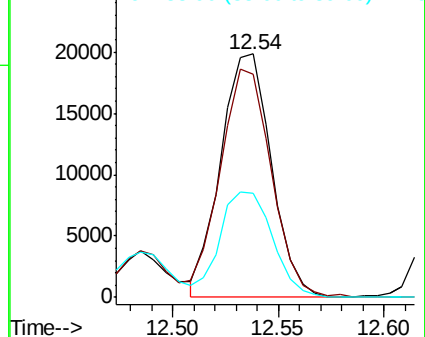
75 100

53 96.0 76.8 115.2

89 45.1 36.1 54.1



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: 50.126 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065636.D

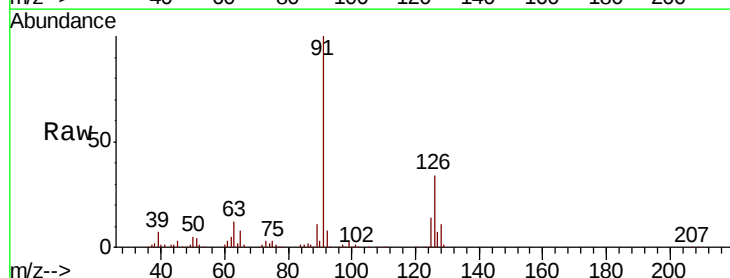
Acq: 15 Apr 2020 15:32

Tgt Ion: 91 Resp: 376666

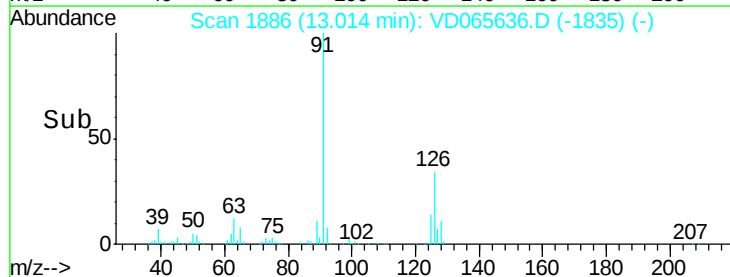
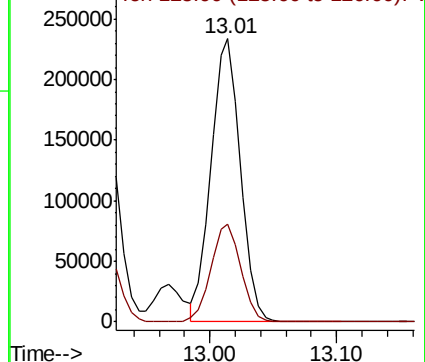
Ion Ratio Lower Upper

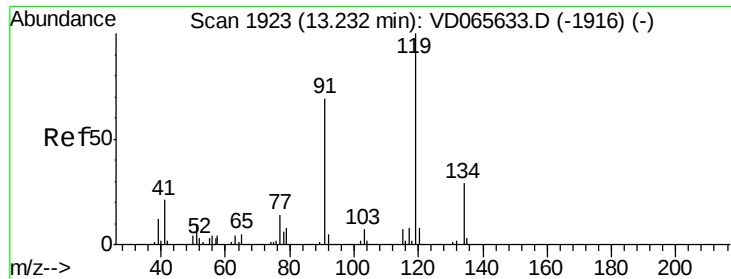
91 100

126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

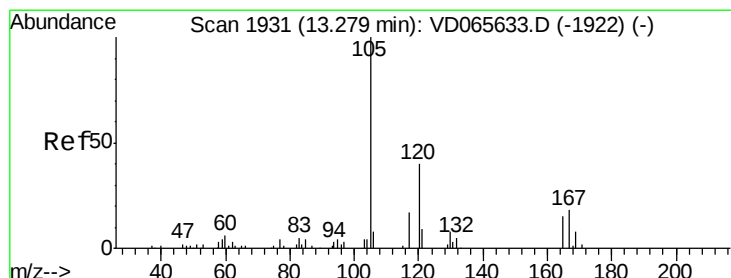
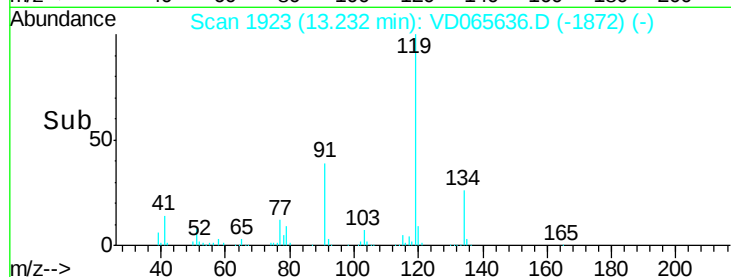
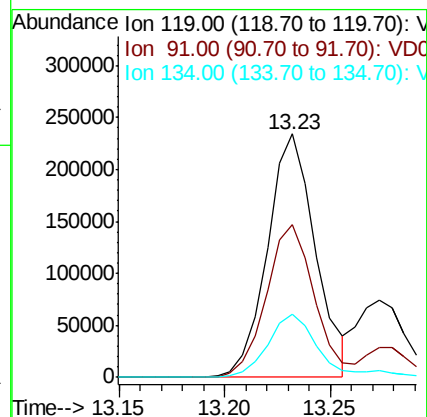
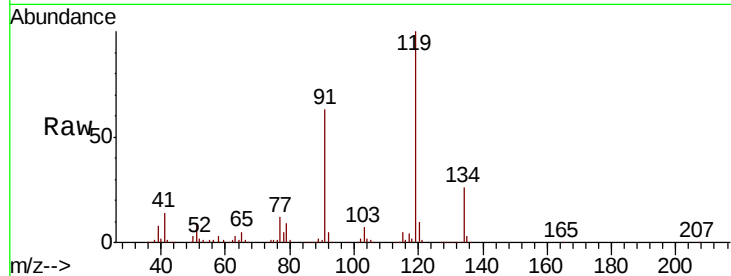




#83
 tert-Butylbenzene
 Concen: 52.592 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

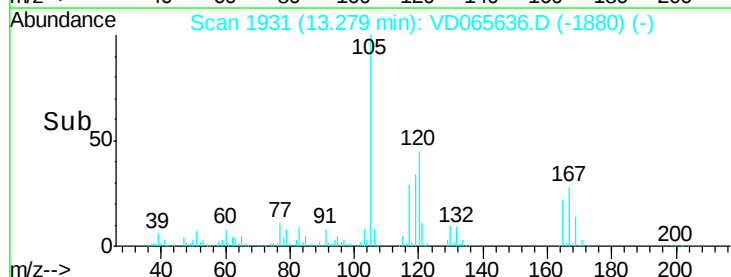
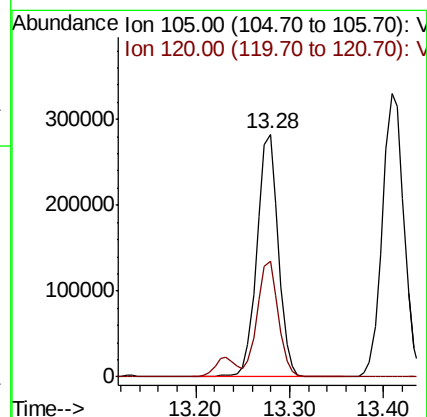
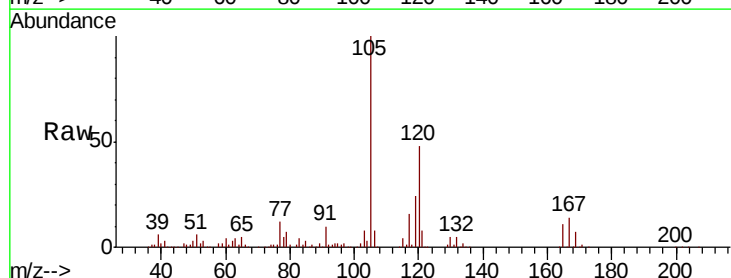
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

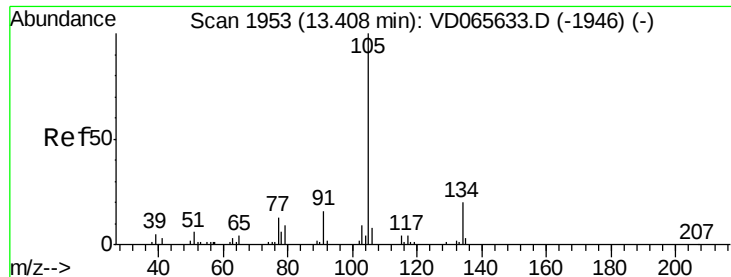
Tot Ion:119 Resp: 369872
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.7 95.1
 134 27.9 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 52.700 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion:105 Resp: 443728
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





#85

sec-Butylbenzene

Concen: 51.971 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

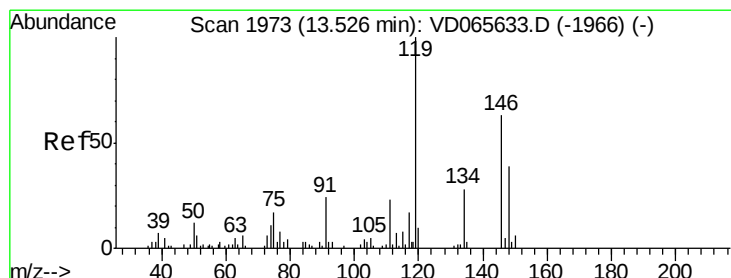
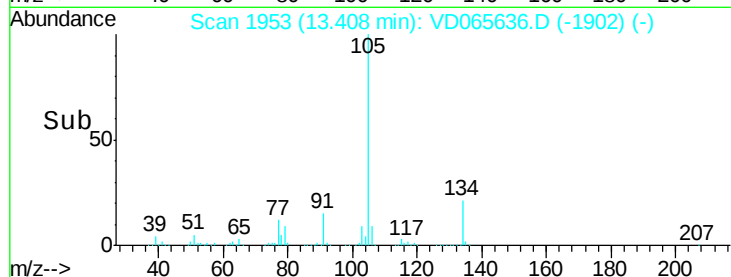
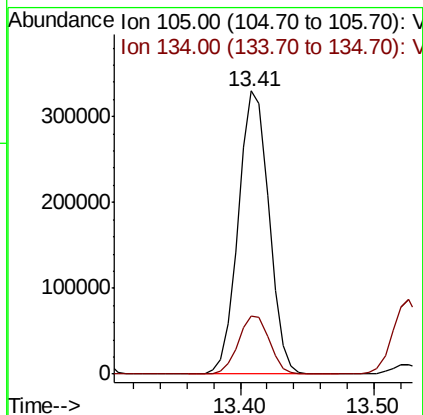
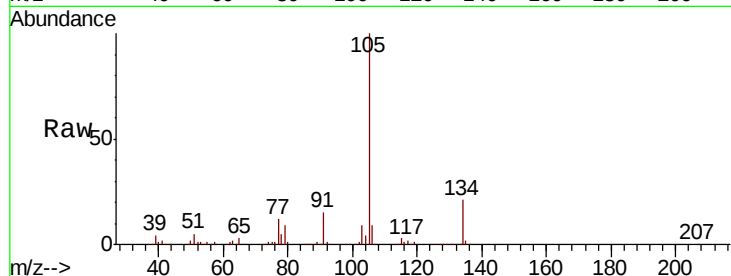
VSTDICCC050

Tot Ion:105 Resp: 524617

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4



#86

p-Isopropyltoluene

Concen: 53.055 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

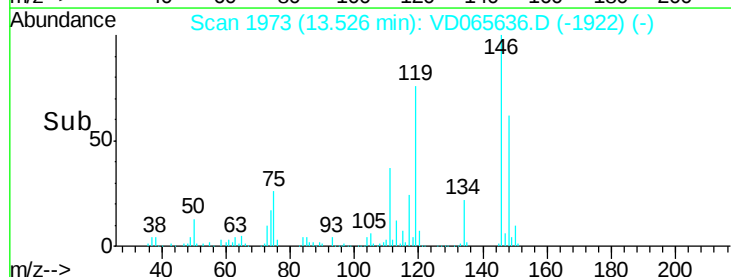
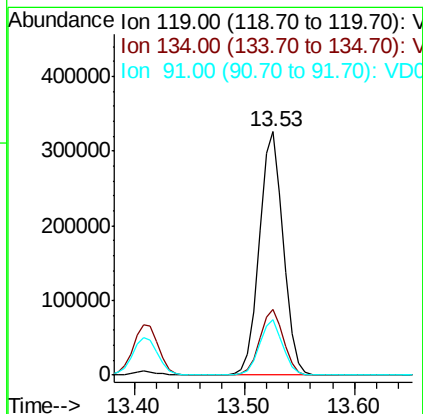
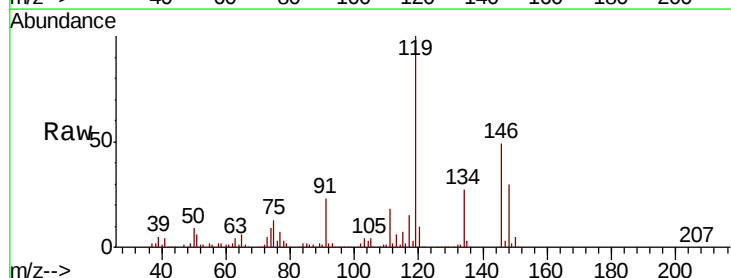
Tgt Ion:119 Resp: 493855

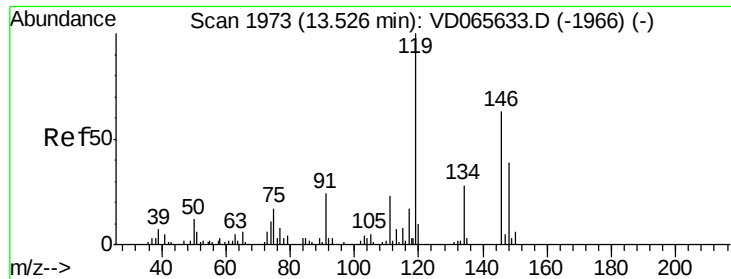
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.2 11.1 33.3

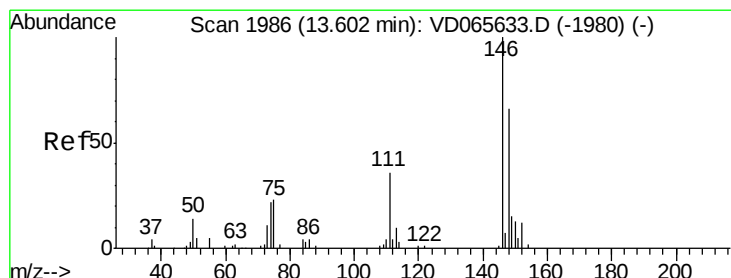
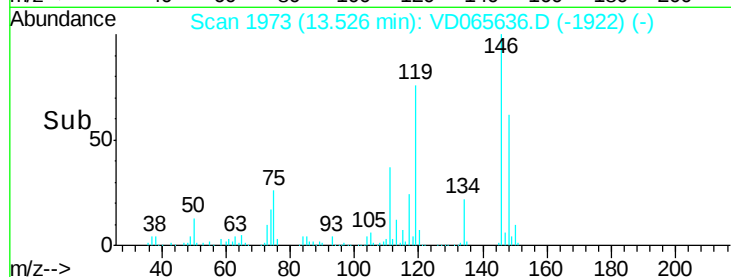
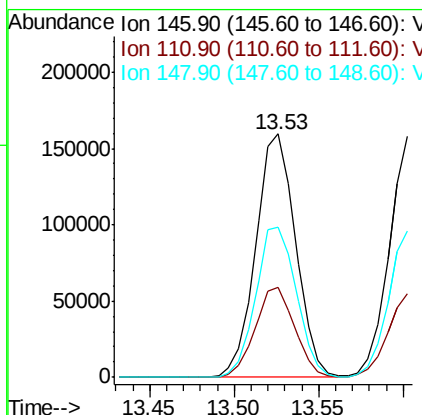
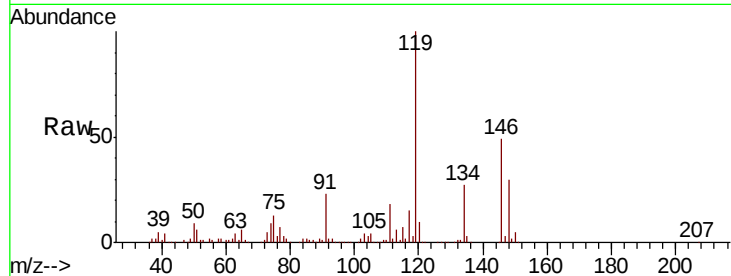




#87
 1,3-Dichlorobenzene
 Concen: 48.610 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

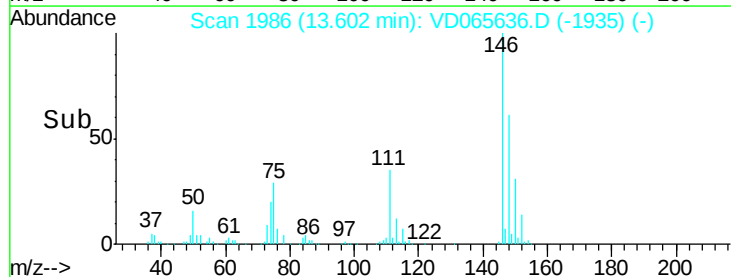
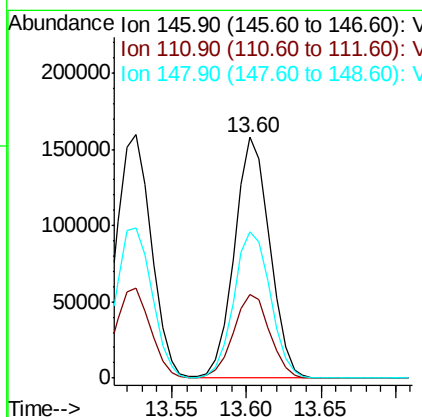
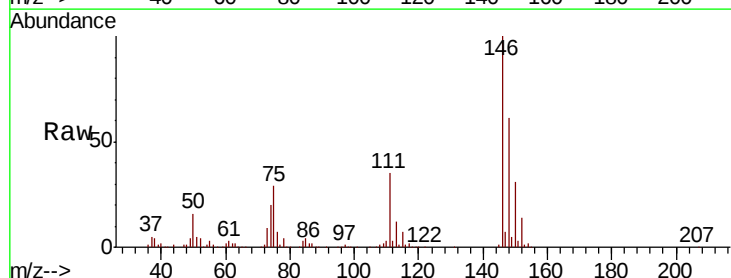
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

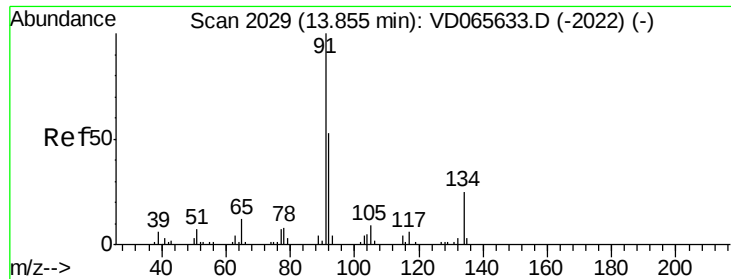
Tot Ion:146 Resp: 260490
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 48.410 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion:146 Resp: 259241
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.0 54.0
 148 62.8 31.4 94.2

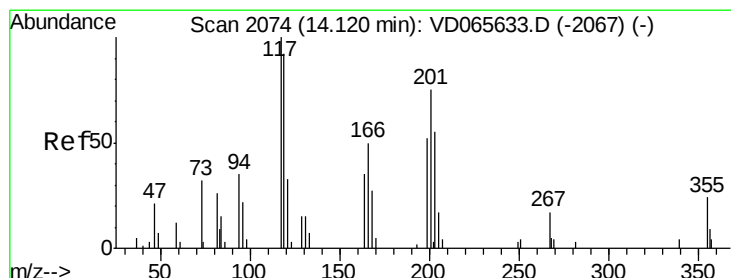
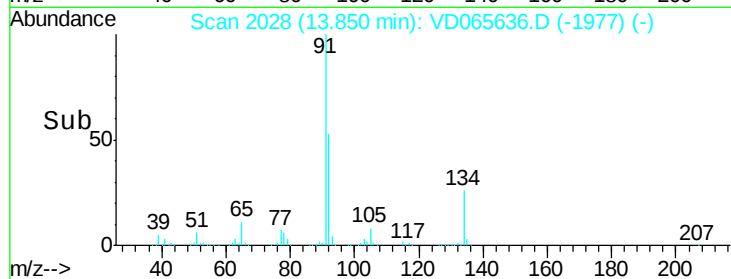
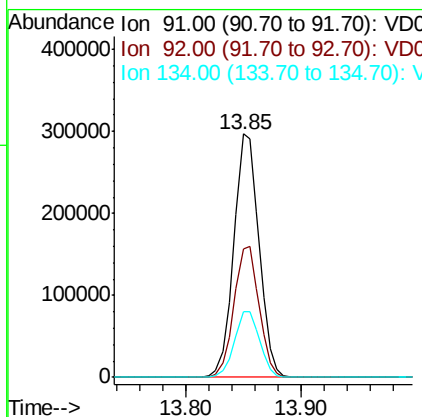
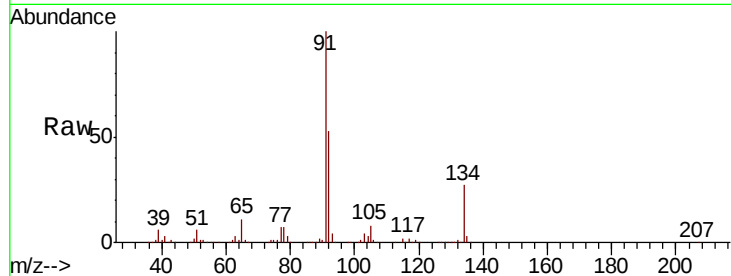




#89
n-Butylbenzene
Concen: 53.061 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

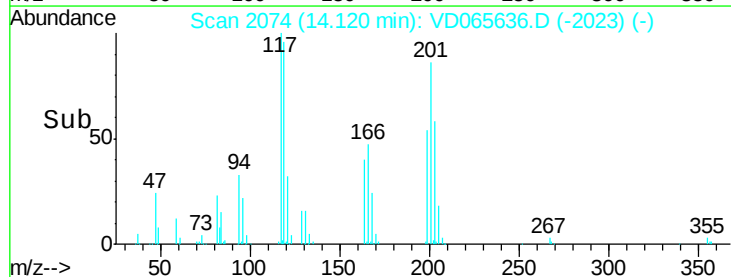
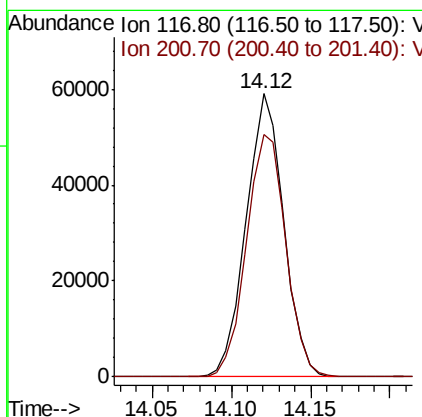
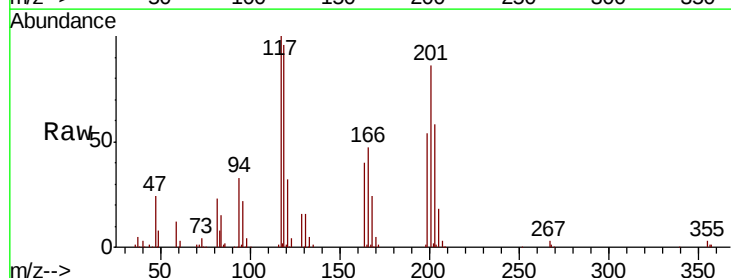
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

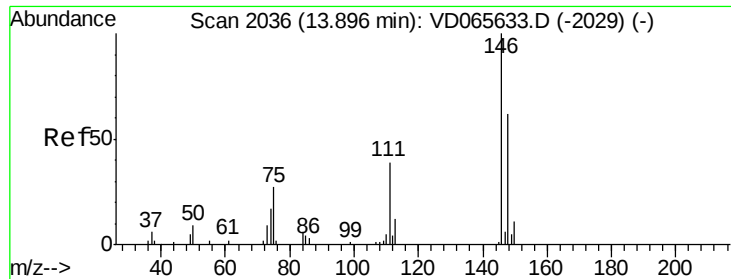
Tot Ion: 91 Resp: 447570
Ion Ratio Lower Upper
91 100
92 53.7 26.9 80.6
134 27.2 13.6 40.8



#90
Hexachloroethane
Concen: 47.664 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion: 117 Resp: 97125
Ion Ratio Lower Upper
117 100
201 89.8 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 49.808 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

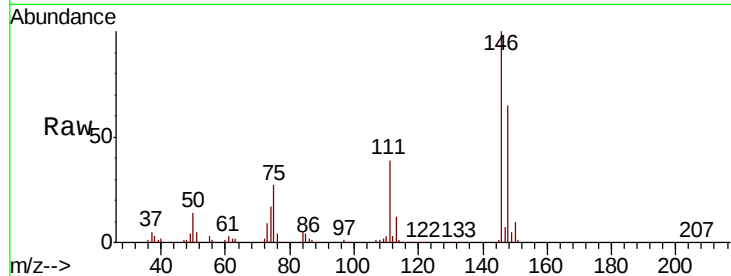
Tot Ion:146 Resp: 227802

Ion Ratio Lower Upper

146 100

111 38.6 19.3 57.9

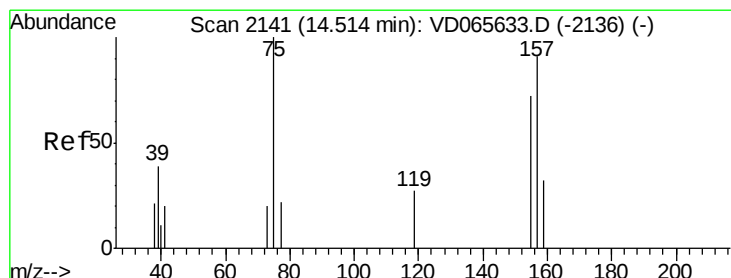
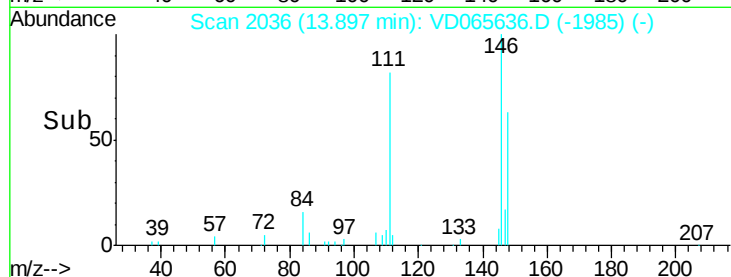
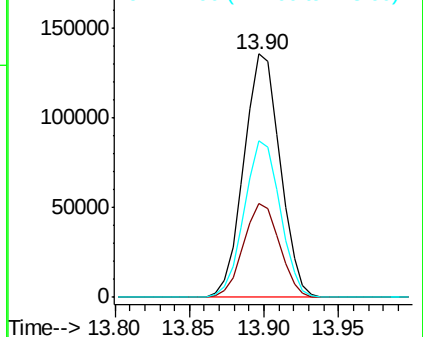
148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.535 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065636.D

Acq: 15 Apr 2020 15:32

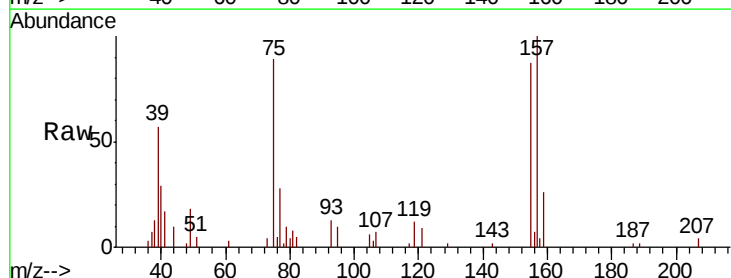
Tgt Ion: 75 Resp: 14530

Ion Ratio Lower Upper

75 100

155 96.1 48.0 144.2

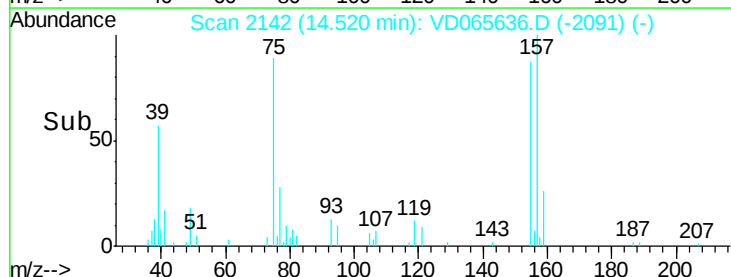
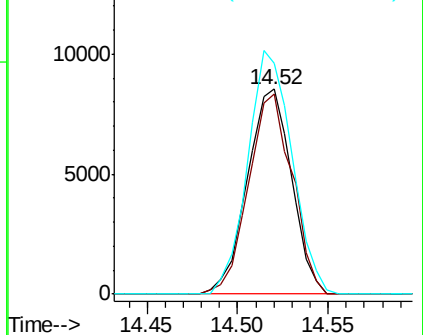
157 118.4 59.2 177.6

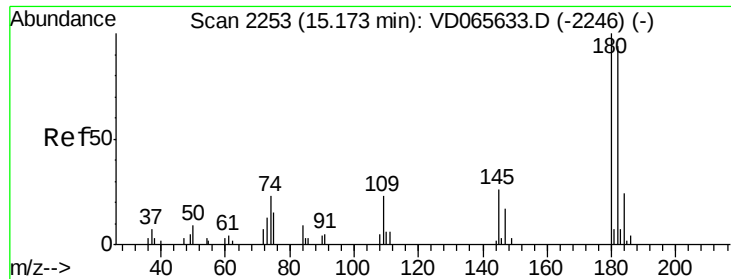


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

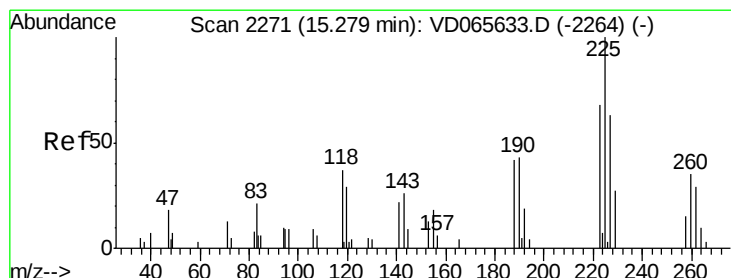
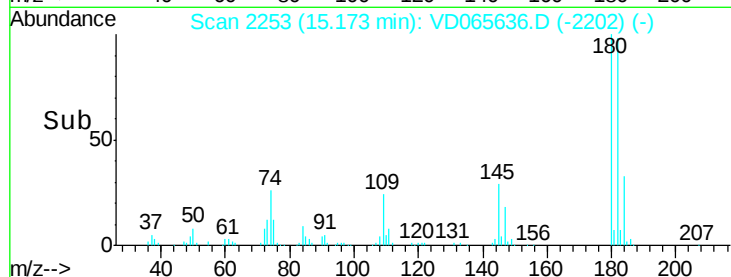
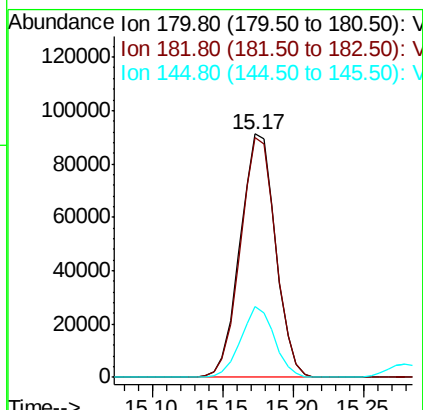
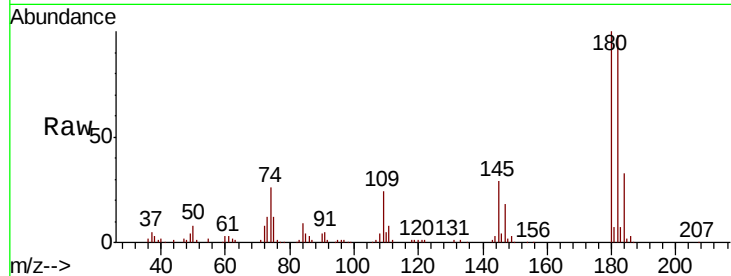




#93
 1,2,4-Trichlorobenzene
 Concen: 52.939 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

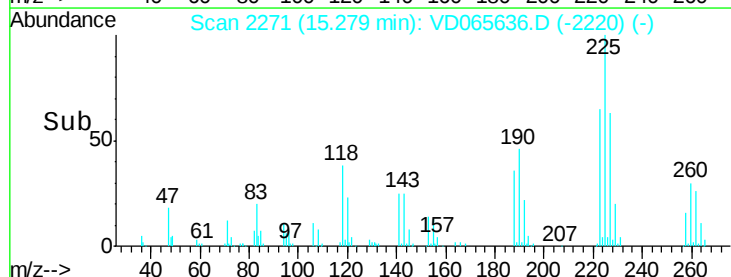
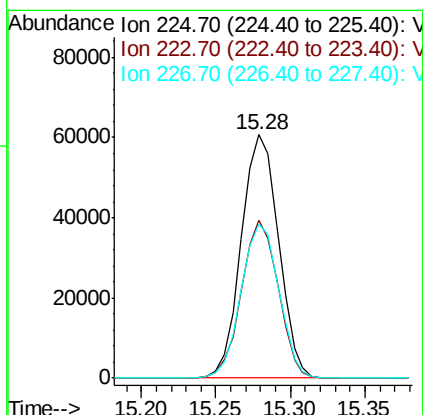
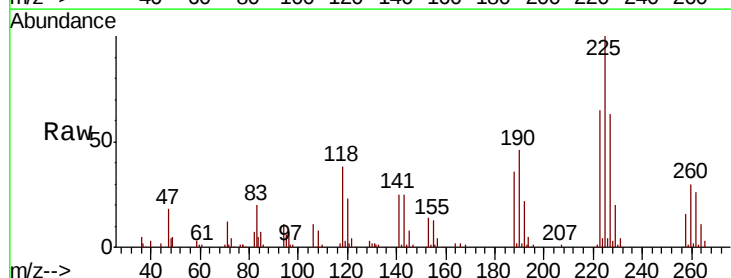
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

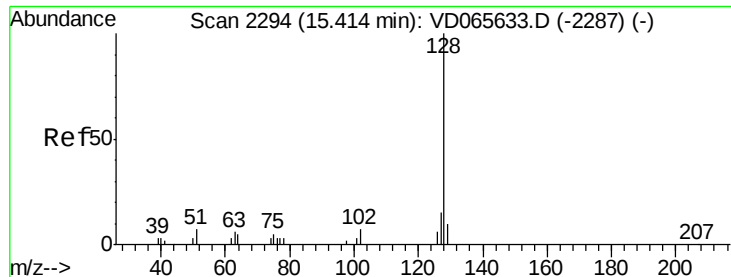
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.9	146.6
145	27.5	13.8	41.3



#94
 Hexachlorobutadiene
 Concen: 50.128 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065636.D
 Acq: 15 Apr 2020 15:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.1	32.0	96.2

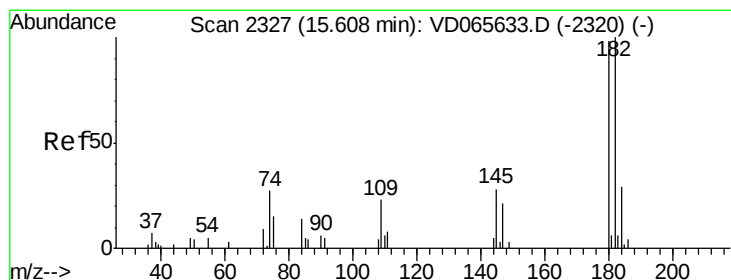
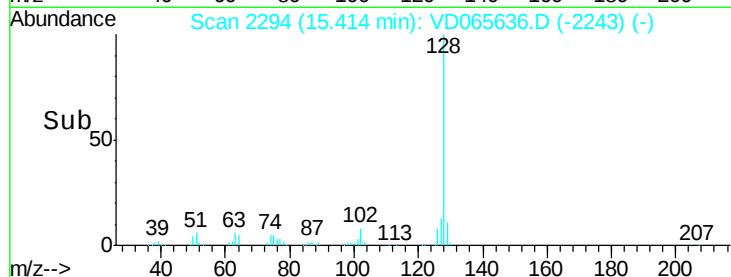
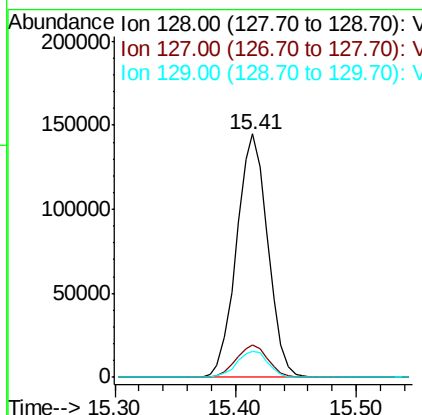
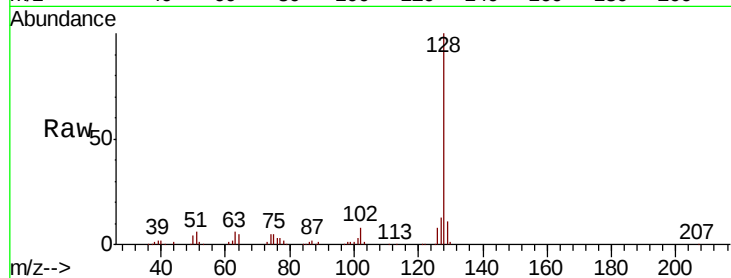




#95
Naphthalene
Concen: 58.636 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 260558
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 55.308 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065636.D
Acq: 15 Apr 2020 15:32

Tgt Ion:180 Resp: 146423
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 30.0 15.0 45.0

