

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065644.D
 Acq On : 17 Apr 2020 15:00
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	345281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	94669	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
35) Dibromofluoromethane	7.91	113	97917	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
50) Toluene-d8	10.34	98	365458	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	120234	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	35971	17.609	ug/l	97
3) Chloromethane	2.21	50	42897	19.242	ug/l	100
4) Vinyl Chloride	2.35	62	46199	19.075	ug/l	98
5) Bromomethane	2.76	94	28305	21.518	ug/l	92
6) Chloroethane	2.91	64	27680	19.224	ug/l	94
7) Trichlorofluoromethane	3.27	101	67276	19.484	ug/l	98
8) Diethyl Ether	3.70	74	13323	18.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31730	20.158	ug/l	97
10) Methyl Iodide	4.29	142	29942	17.108	ug/l	98
11) Tert butyl alcohol	5.25	59	8371	83.461	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	27452	19.402	ug/l	97
13) Acrolein	3.92	56	8117	87.886	ug/l	100
14) Allyl chloride	4.71	41	42663	19.424	ug/l	99
15) Acrylonitrile	5.43	53	43564	102.001	ug/l	96
16) Acetone	4.16	43	28773	96.407	ug/l	99
17) Carbon Disulfide	4.40	76	93843	19.261	ug/l	99
18) Methyl Acetate	4.72	43	15080	18.466	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	79522	19.847	ug/l	96
20) Methylene Chloride	4.96	84	34341	17.877	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	46926	20.525	ug/l	96
22) Diisopropyl ether	6.37	45	130366	19.964	ug/l	98
23) Vinyl Acetate	6.31	43	334194	94.783	ug/l	97
24) 1,1-Dichloroethane	6.26	63	81744	19.813	ug/l	99
25) 2-Butanone	7.22	43	53462	96.004	ug/l	98
26) 2,2-Dichloropropane	7.21	77	71097	19.771	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	48735	19.214	ug/l	99
28) Bromochloromethane	7.54	49	34133	20.715	ug/l	99
29) Tetrahydrofuran	7.57	42	33569	95.006	ug/l	95
30) Chloroform	7.71	83	83126	19.686	ug/l	96
31) Cyclohexane	7.98	56	76603	19.491	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	75764	19.956	ug/l	99
36) 1,1-Dichloropropene	8.11	75	64241	19.269	ug/l	100
37) Ethyl Acetate	7.30	43	26128	19.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	70969	19.872	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74969	19.323	ug/l	98
40) Benzene	8.35	78	186174	19.422	ug/l	99
41) Methacrylonitrile	7.53	41	14419	21.896	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	51765	19.705	ug/l	100
43) Isopropyl Acetate	8.46	43	44428	18.556	ug/l	98
44) Trichloroethene	9.11	130	50735	18.908	ug/l	89
45) 1,2-Dichloropropane	9.39	63	45298	19.255	ug/l	98
46) Dibromomethane	9.48	93	22390	18.404	ug/l	97
47) Bromodichloromethane	9.67	83	63222	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	19829	16.669	ug/l	93
49) 1,4-Dioxane	9.47	88	4826	346.059	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	115774	92.931	ug/l	98
52) Toluene	10.40	92	118439	20.043	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	57666	19.386	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70014	19.448	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	34217	19.885	ug/l	98
56) Ethyl methacrylate	10.67	69	33266	17.849	ug/l	96
57) 1,3-Dichloropropane	10.95	76	53557	18.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	92088	96.979	ug/l	98
59) 2-Hexanone	10.99	43	74918	88.298	ug/l	97
60) Dibromochloromethane	11.14	129	42854	18.909	ug/l	100
61) 1,2-Dibromoethane	11.25	107	31573	19.069	ug/l	100
64) Tetrachloroethene	10.88	164	46255	19.694	ug/l	94
65) Chlorobenzene	11.67	112	128037	19.756	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	47032	18.981	ug/l	97
67) Ethyl Benzene	11.75	91	215621	19.468	ug/l	99
68) m/p-Xylenes	11.86	106	171167	40.002	ug/l	99
69) o-Xylene	12.18	106	72380	19.278	ug/l	100
70) Styrene	12.20	104	132964	20.008	ug/l	100
71) Bromoform	12.37	173	26219	18.835	ug/l #	100
73) Isopropylbenzene	12.48	105	203096	19.974	ug/l	99
74) N-amyl acetate	12.30	43	39268	18.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34797	18.848	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	45690	33.708	ug/l #	100
77) Bromobenzene	12.77	156	52639	19.495	ug/l	99
78) n-propylbenzene	12.83	91	250770	20.387	ug/l	100
79) 2-Chlorotoluene	12.91	91	141547	20.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	173605	20.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12162	19.664	ug/l	99
82) 4-Chlorotoluene	13.01	91	149684	19.913	ug/l	98
83) tert-Butylbenzene	13.23	119	141397	19.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	175957	20.569	ug/l	99
85) sec-Butylbenzene	13.41	105	199594	19.391	ug/l	99
86) p-Isopropyltoluene	13.53	119	192547	19.933	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	106199	20.088	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	102365	19.453	ug/l	97
89) n-Butylbenzene	13.86	91	163445	18.642	ug/l	98
90) Hexachloroethane	14.12	117	40156	19.822	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	83640	18.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5456	19.541	ug/l	93

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Quant Time: Apr 20 07:00:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration

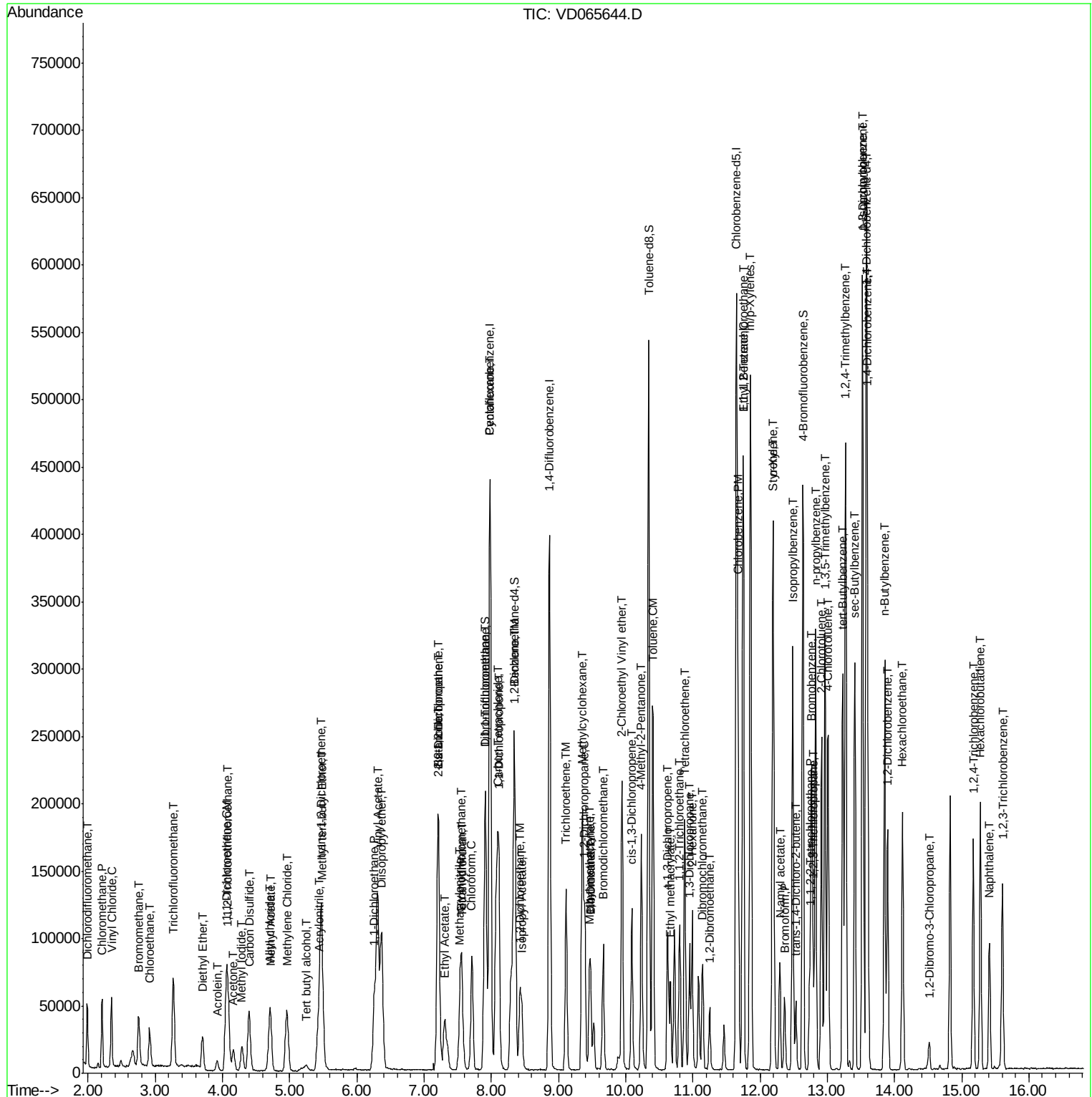
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59743	19.162	ug/l	99
94) Hexachlorobutadiene	15.28	225	42507	19.884	ug/l	98
95) Naphthalene	15.41	128	83506	18.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	52921	19.239	ug/l	100

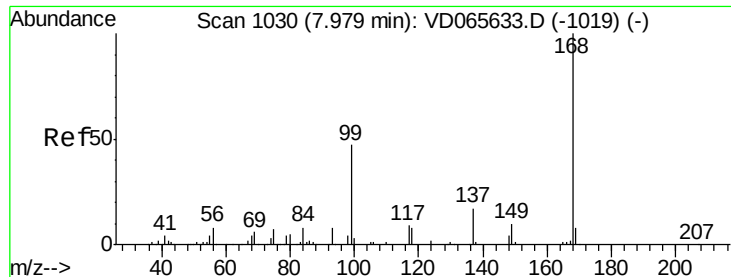
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

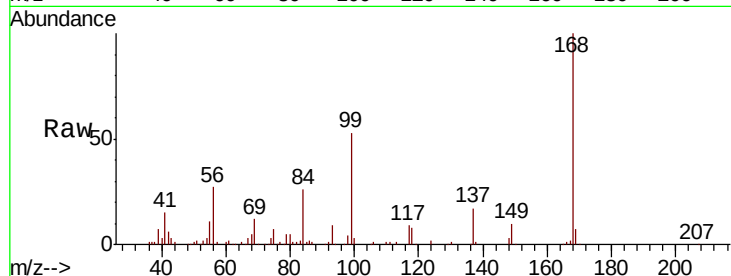
ClientSampleId :

Tot Ion:168 Resp: 245316

Ion Ratio Lower Upper

168 100

99 52.9 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

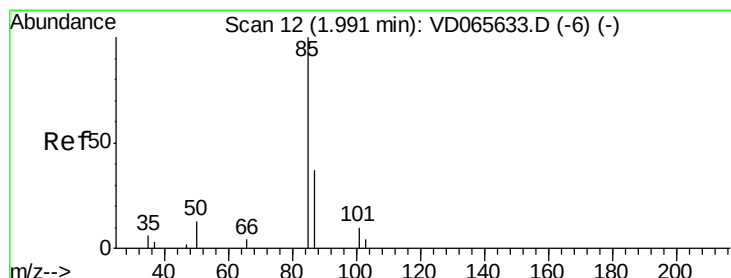
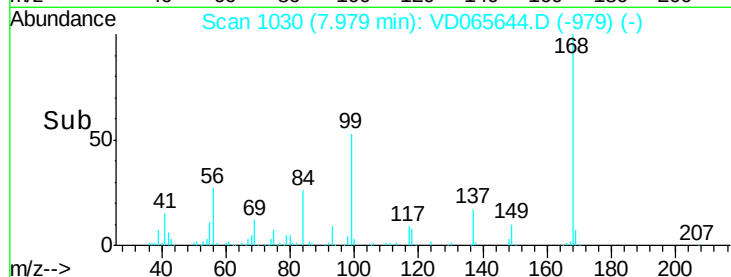
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.609 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065644.D

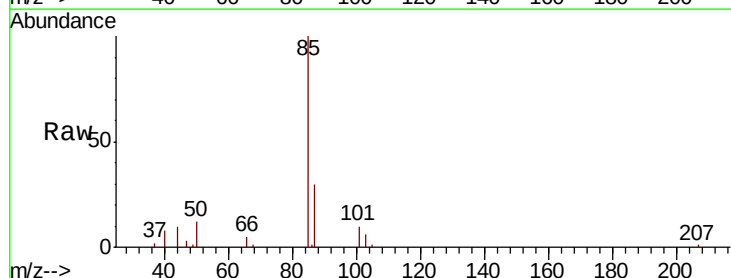
Acq: 17 Apr 2020 15:00

Tgt Ion: 85 Resp: 35971

Ion Ratio Lower Upper

85 100

87 30.2 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

30000

25000

20000

15000

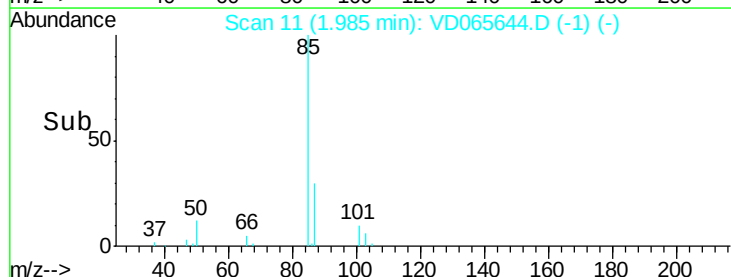
10000

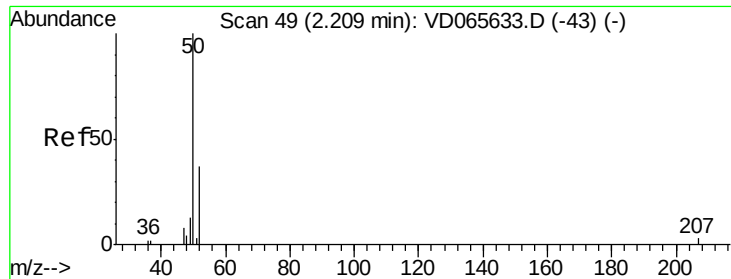
5000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.242 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

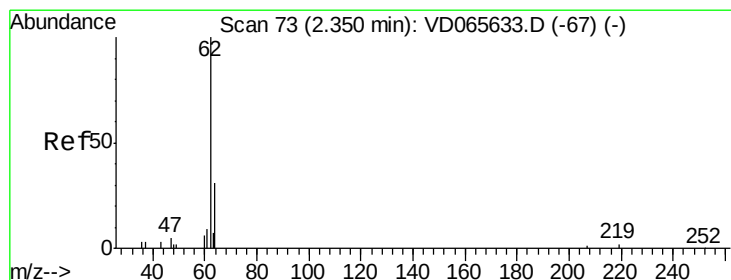
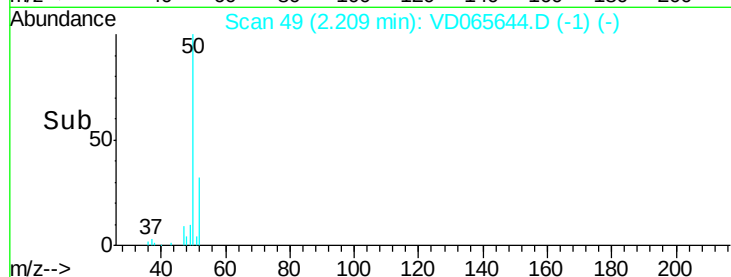
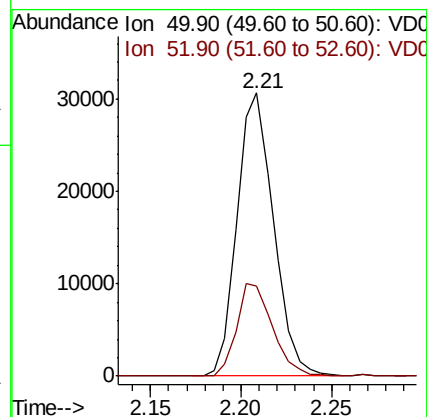
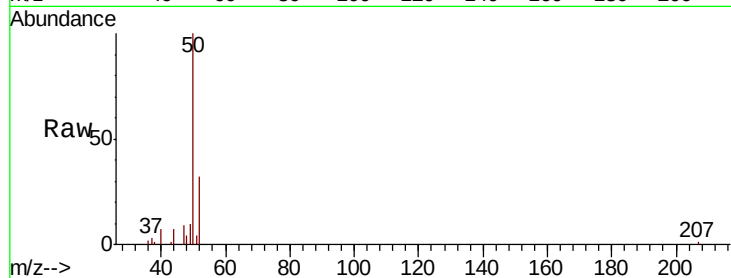
ClientSampleId :

Tot Ion: 50 Resp: 42897

Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5



#4

Vinyl Chloride

Concen: 19.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065644.D

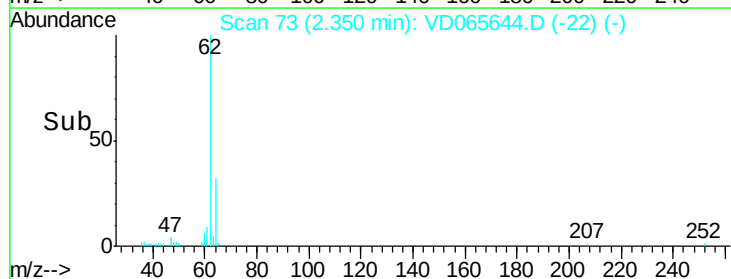
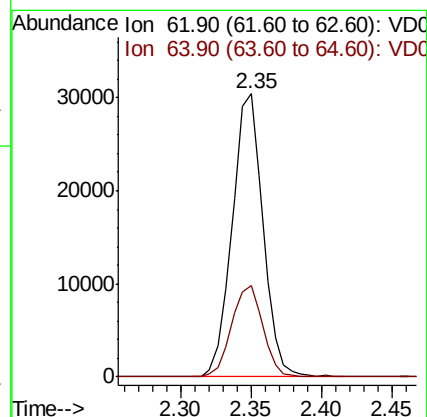
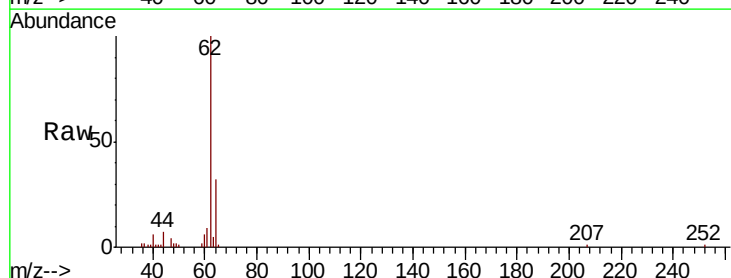
Acq: 17 Apr 2020 15:00

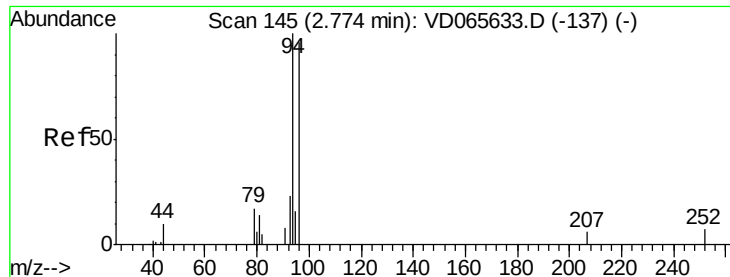
Tgt Ion: 62 Resp: 46199

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 21.518 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

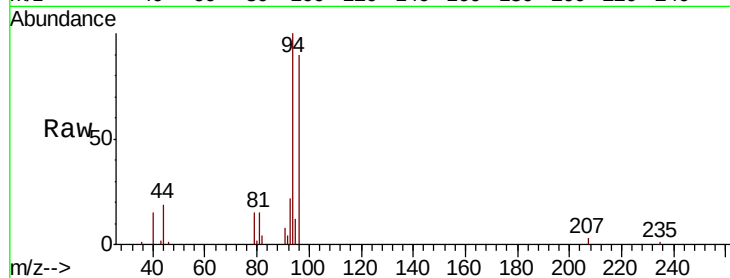
ClientSampleId :

Tot Ion: 94 Resp: 28305

Ion Ratio Lower Upper

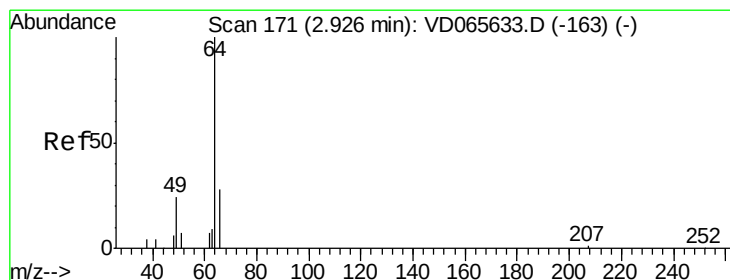
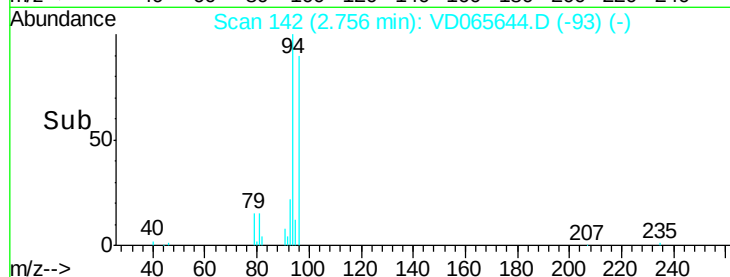
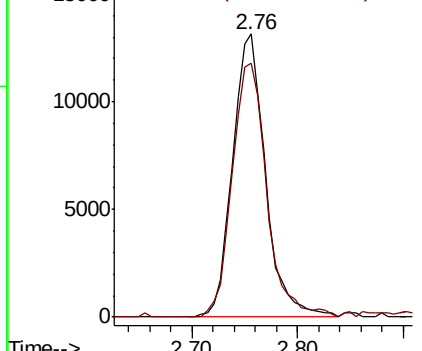
94 100

96 89.7 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.224 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065644.D

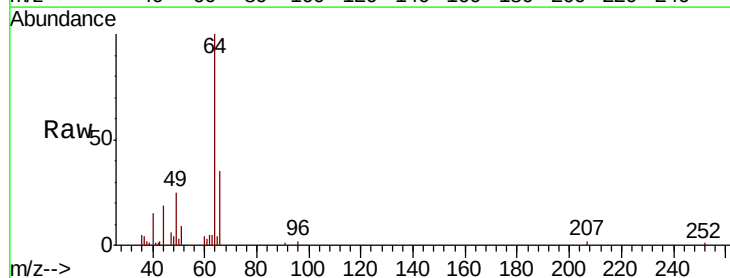
Acq: 17 Apr 2020 15:00

Tgt Ion: 64 Resp: 27680

Ion Ratio Lower Upper

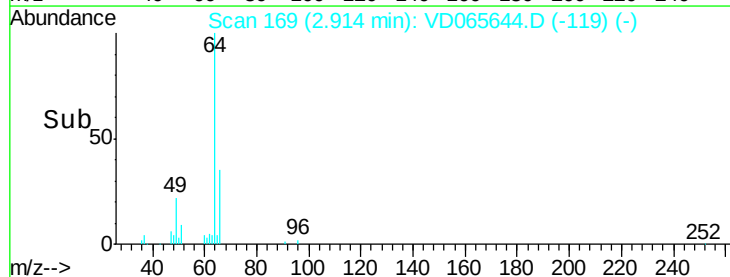
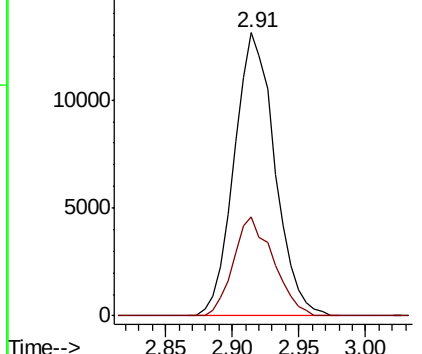
64 100

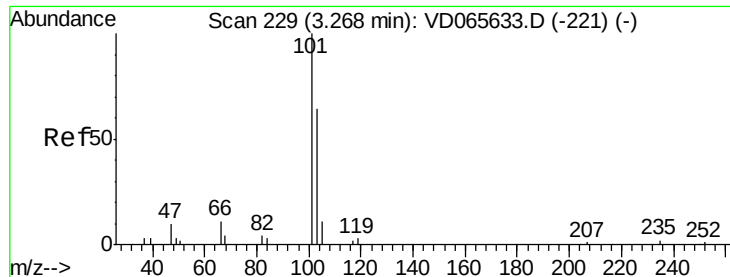
66 35.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



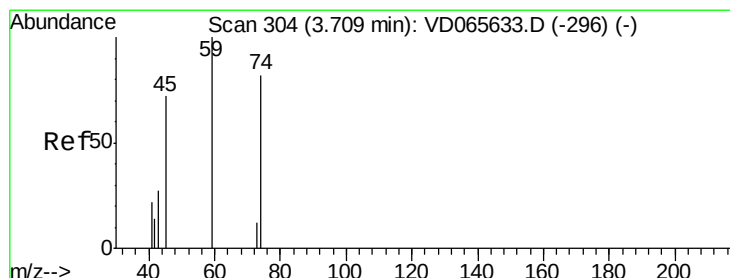
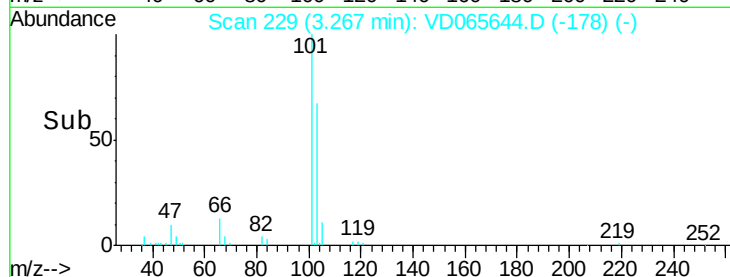
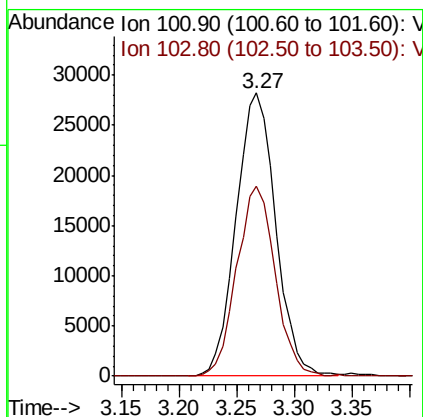
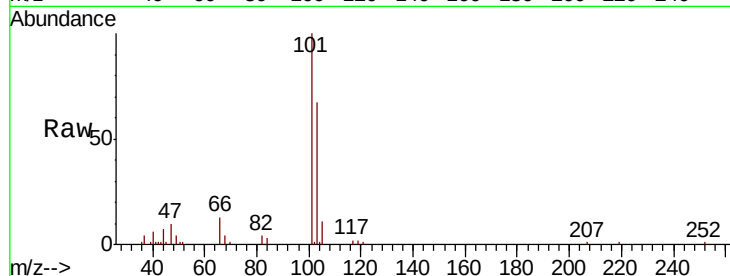


#7

Trichlorofluoromethane
 Concen: 19.484 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :

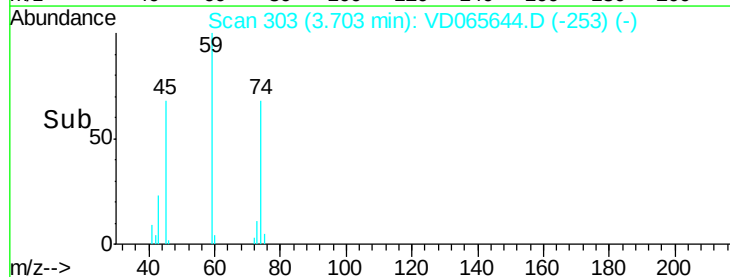
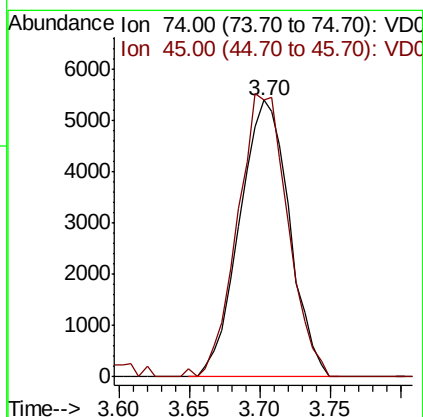
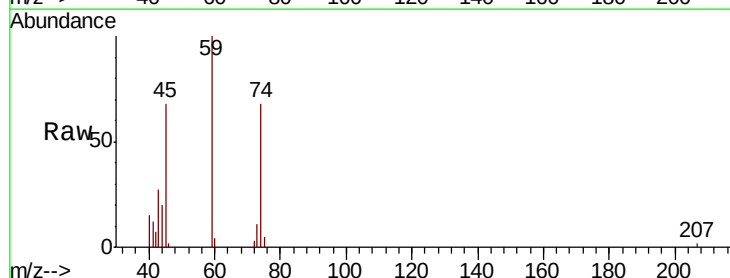
Tot Ion:101 Resp: 67276
 Ion Ratio Lower Upper
 101 100
 103 67.2 52.2 78.4

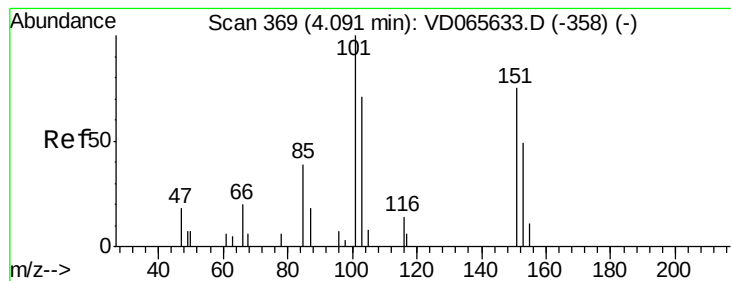


#8

Diethyl Ether
 Concen: 18.785 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 74 Resp: 13323
 Ion Ratio Lower Upper
 74 100
 45 103.4 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.158 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

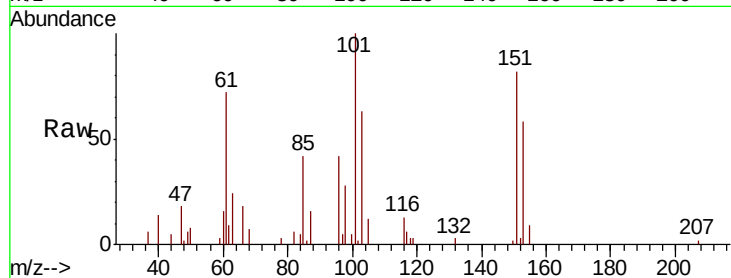
Tot Ion:101 Resp: 31730

Ion Ratio Lower Upper

101 100

85 43.9 36.2 54.2

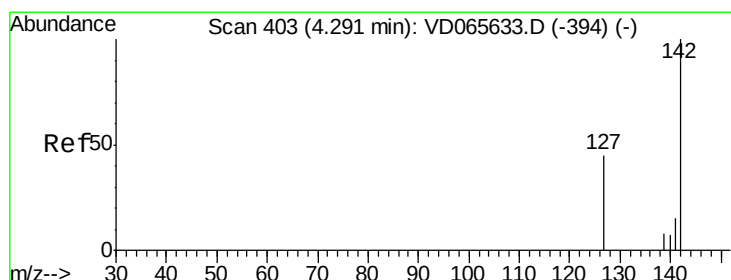
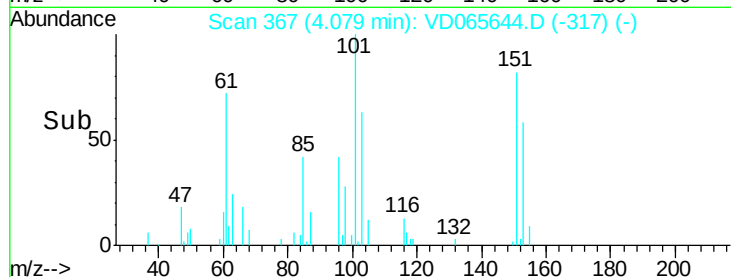
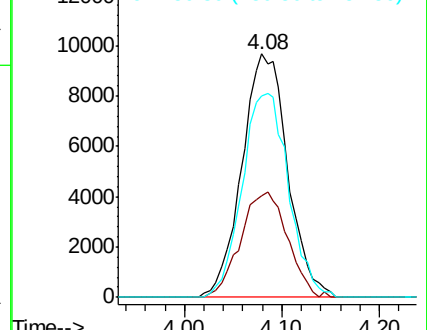
151 84.8 65.6 98.4



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: 17.108 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

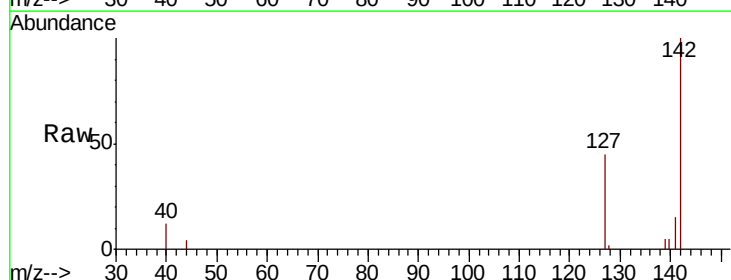
Tgt Ion:142 Resp: 29942

Ion Ratio Lower Upper

142 100

127 46.2 38.1 57.1

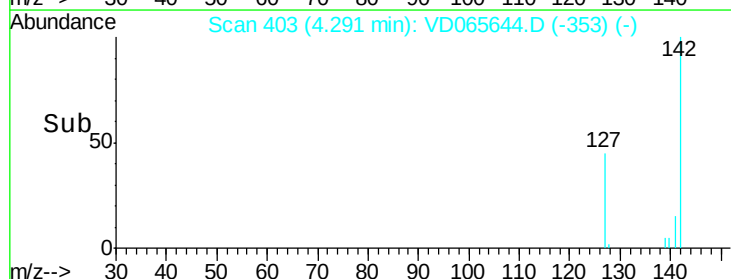
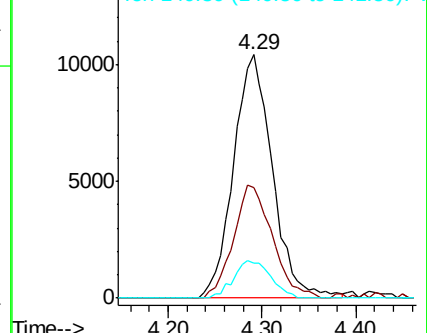
141 14.7 12.1 18.1

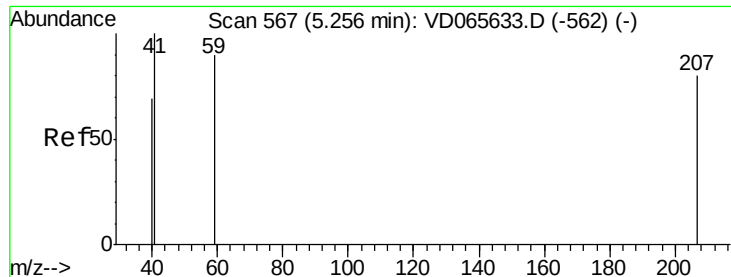


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



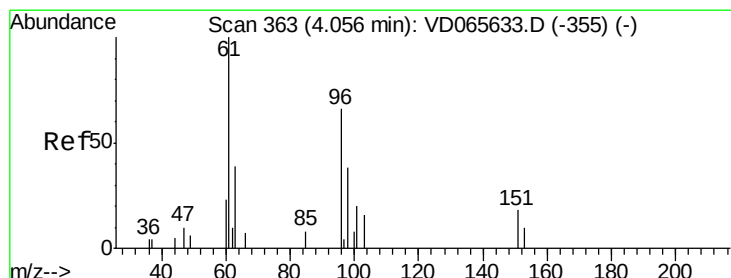
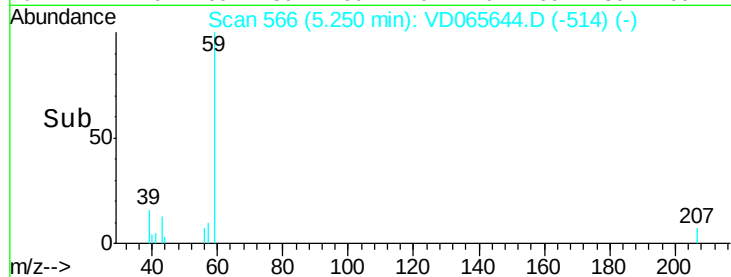
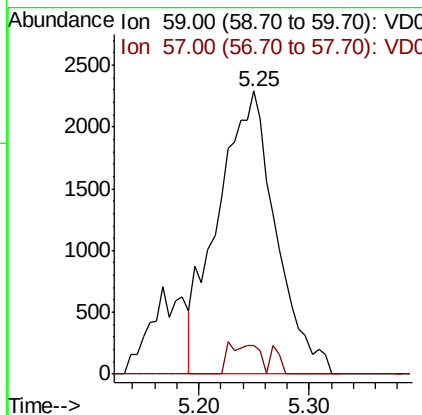
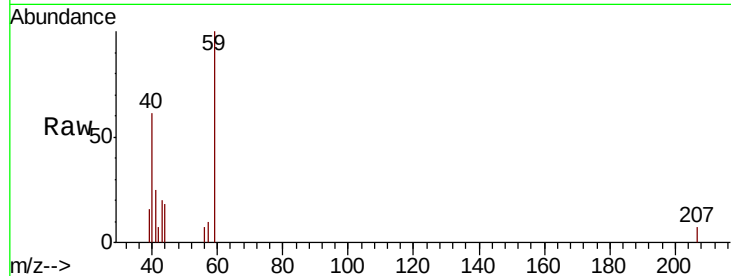


#11

Tert butyl alcohol
 Concen: 83.461 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampled :

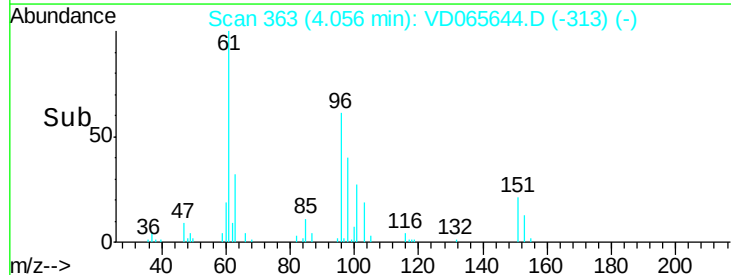
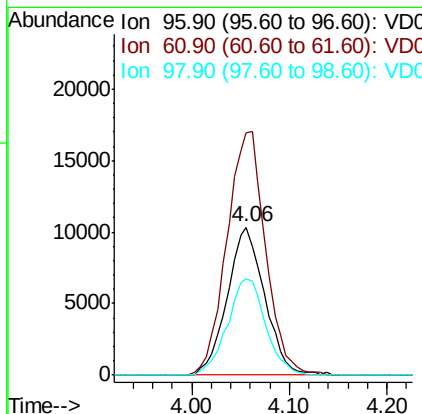
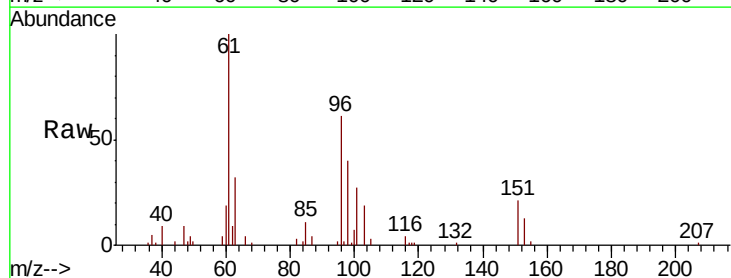
Tot Ion: 59 Resp: 8371
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

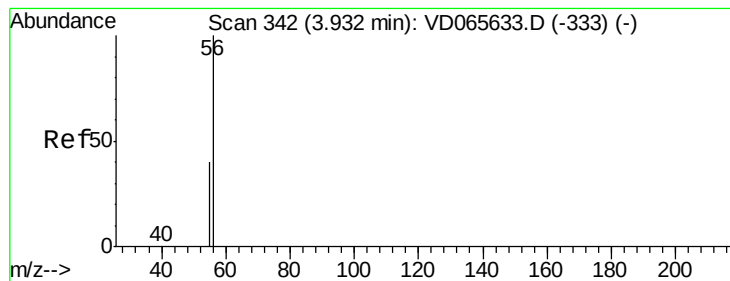


#12

1,1-Dichloroethene
 Concen: 19.402 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 96 Resp: 27452
 Ion Ratio Lower Upper
 96 100
 61 163.8 136.2 204.2
 98 64.9 52.2 78.2





#13

Acrolein

Concen: 87.886 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

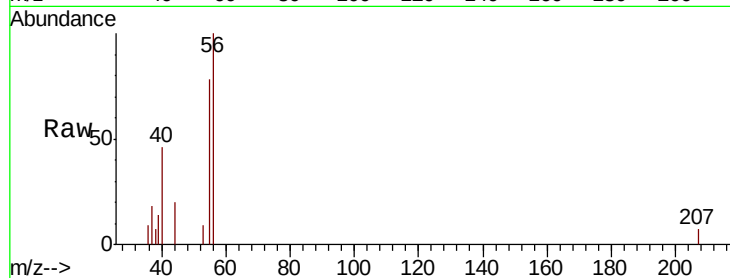
ClientSampleId :

Tot Ion: 56 Resp: 8117

Ion Ratio Lower Upper

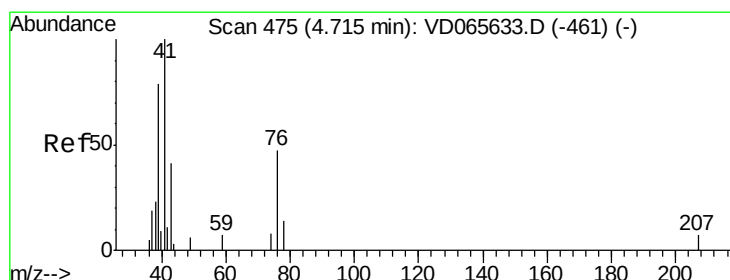
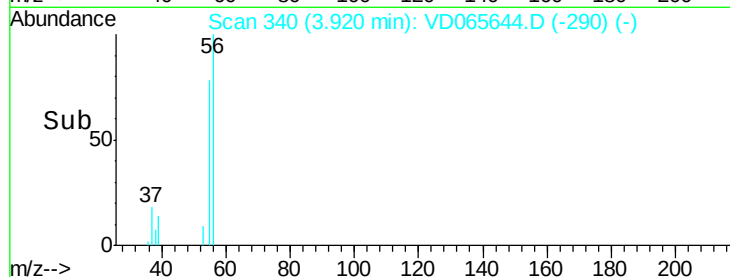
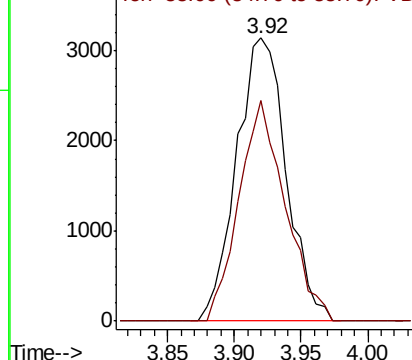
56 100

55 72.5 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.424 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

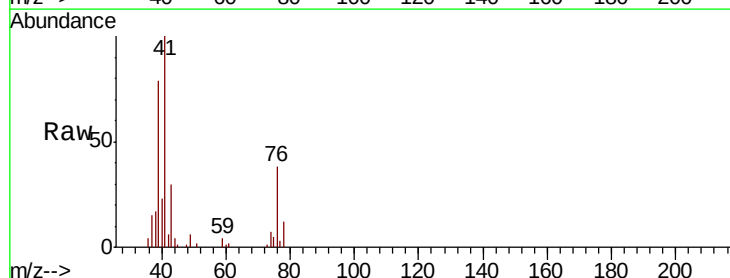
Tgt Ion: 41 Resp: 42663

Ion Ratio Lower Upper

41 100

39 77.3 62.5 93.7

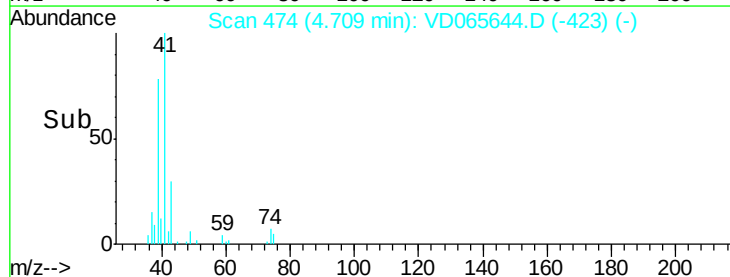
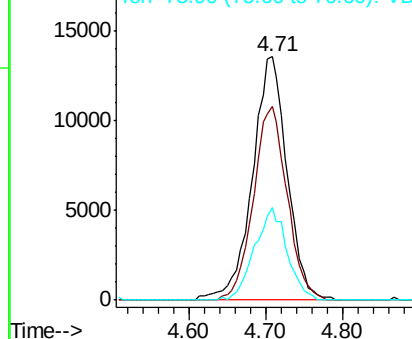
76 35.4 29.1 43.7

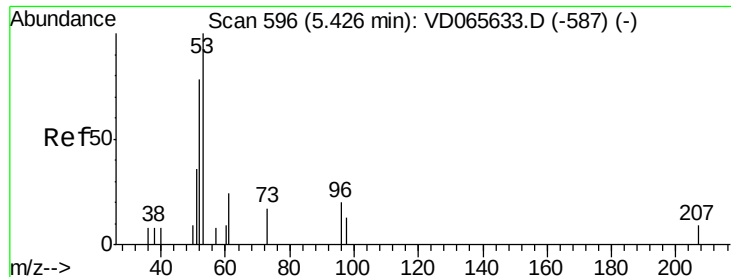


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 102.001 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

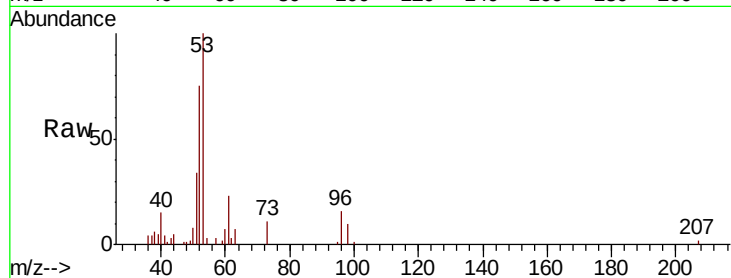
Tot Ion: 53 Resp: 43564

Ion Ratio Lower Upper

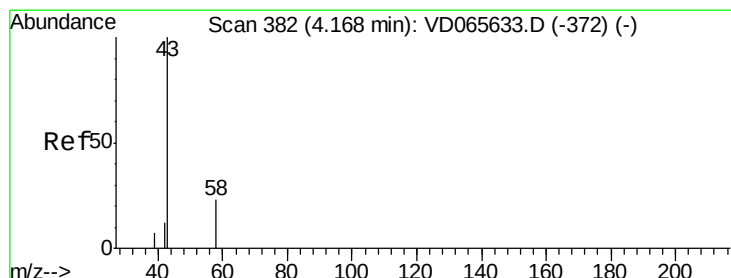
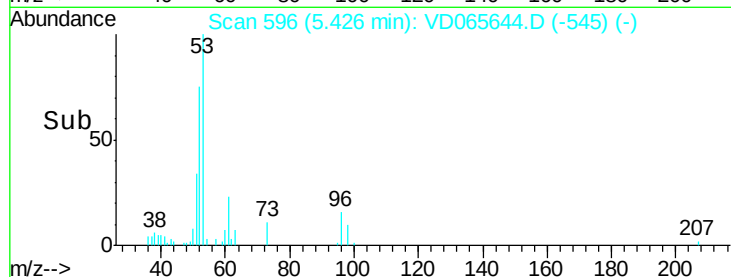
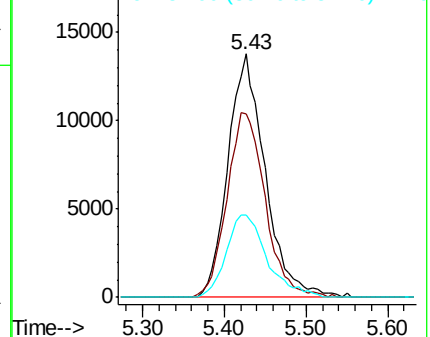
53 100

52 78.1 65.8 98.6

51 37.0 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: 96.407 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065644.D

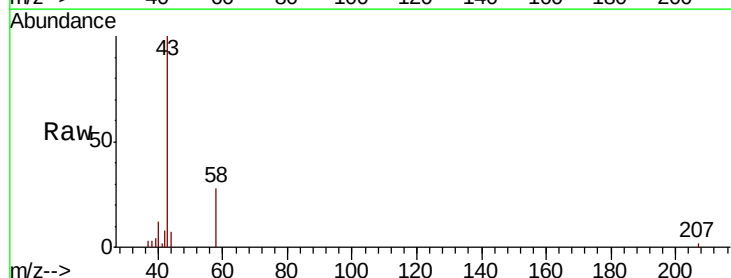
Acq: 17 Apr 2020 15:00

Tgt Ion: 43 Resp: 28773

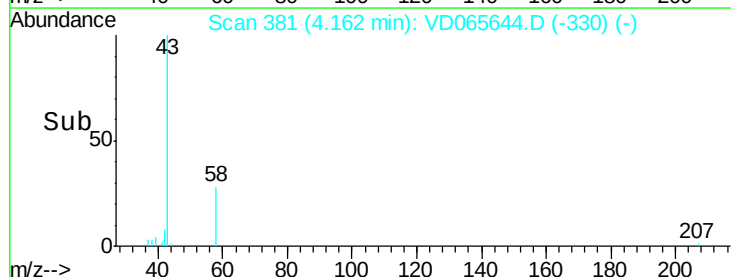
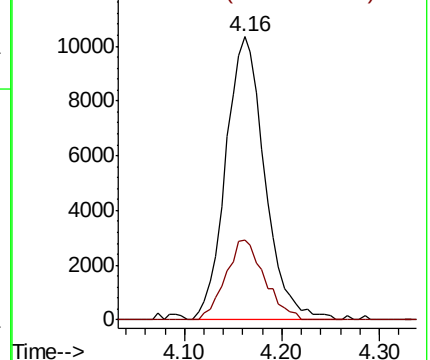
Ion Ratio Lower Upper

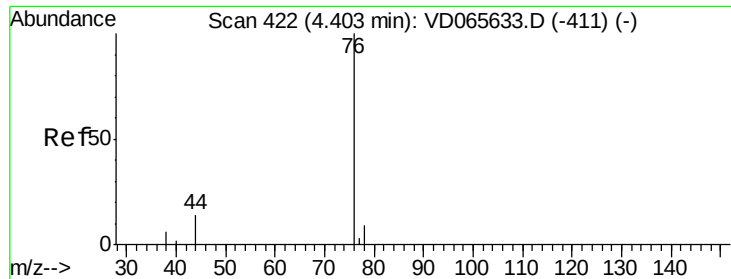
43 100

58 28.1 22.9 34.3



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

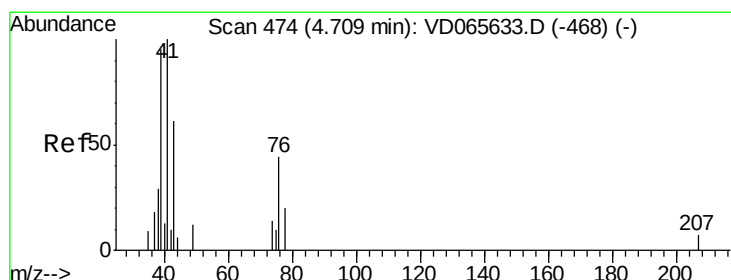
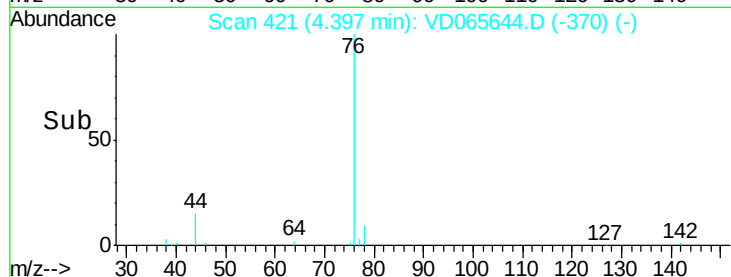
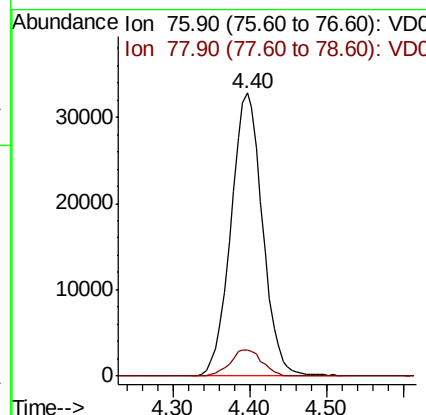
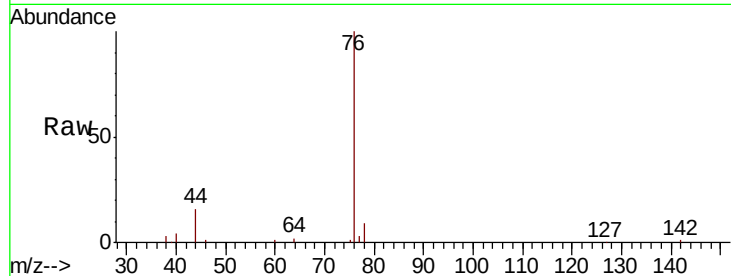




#17
Carbon Disulfide
Concen: 19.261 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

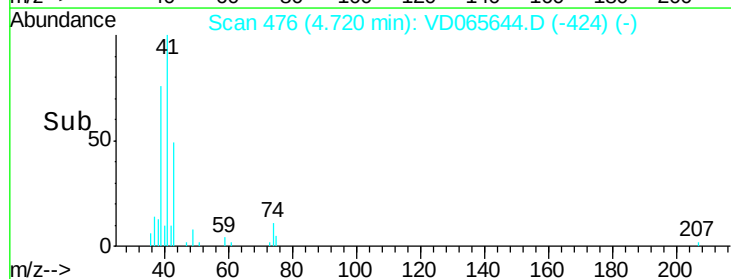
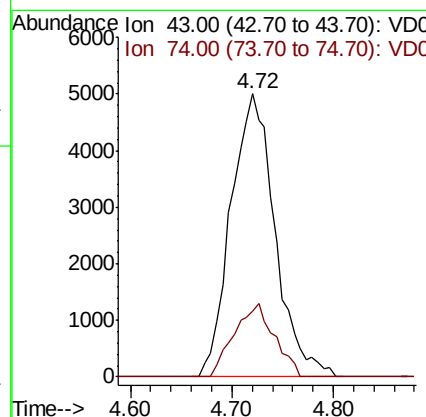
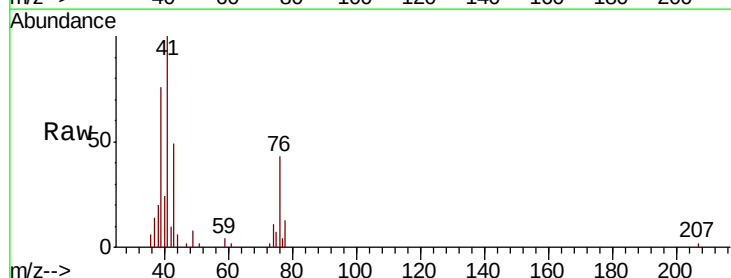
Instrument :
MSVOA_D
ClientSampleId :

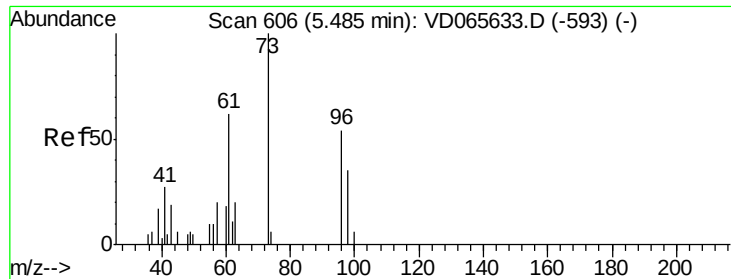
Tot Ion: 76 Resp: 93843
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 18.466 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 43 Resp: 15080
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0



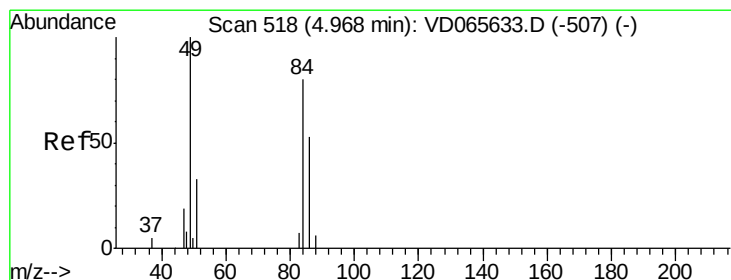
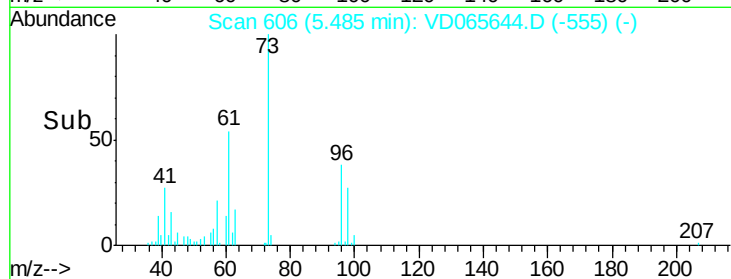
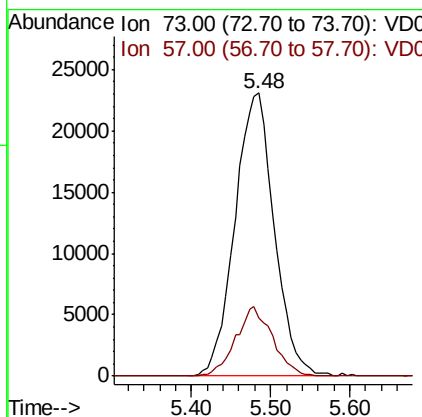
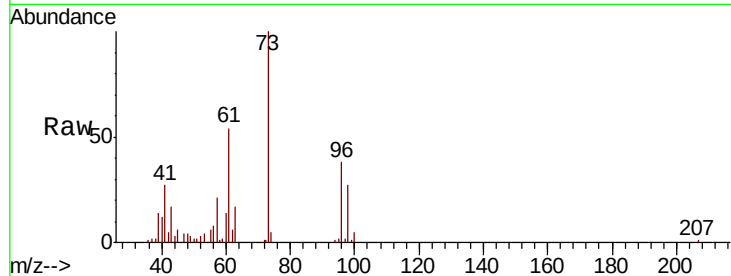


#19

Methyl tert-butyl Ether
 Concen: 19.847 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampled :

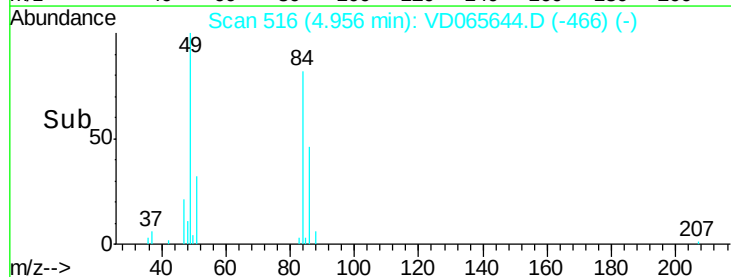
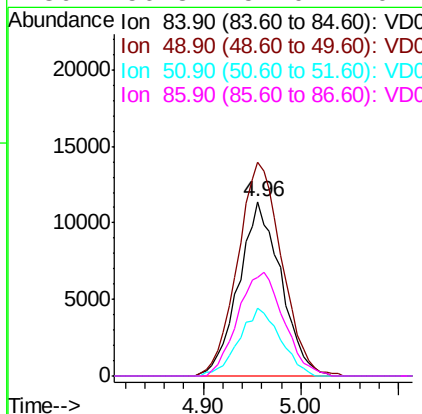
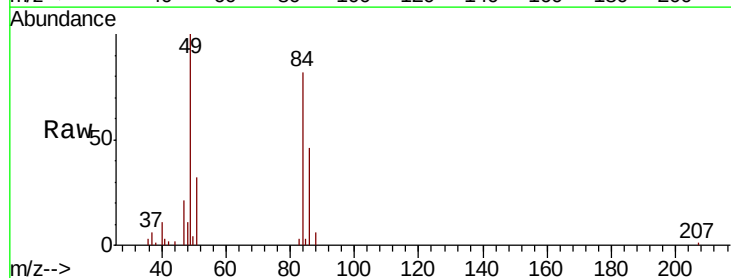
Tot Ion: 73 Resp: 79522
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.8 26.8

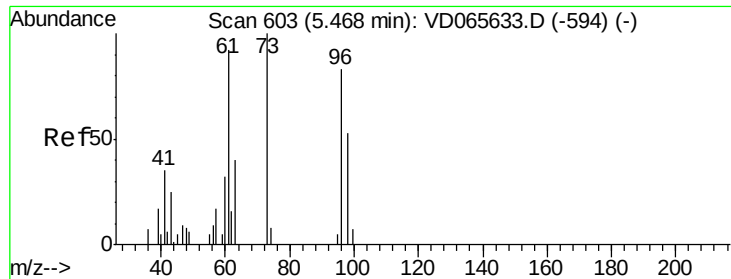


#20

Methylene Chloride
 Concen: 17.877 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 84 Resp: 34341
 Ion Ratio Lower Upper
 84 100
 49 122.7 102.0 153.0
 51 39.1 30.8 46.2
 86 56.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.525 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampled :

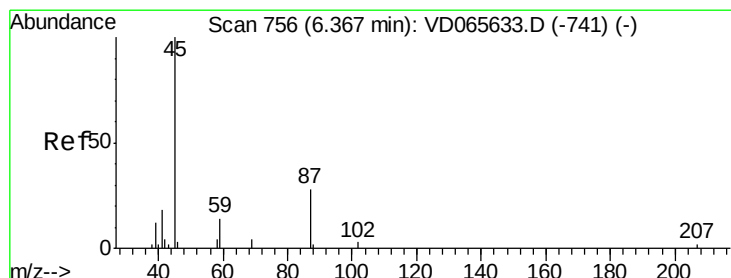
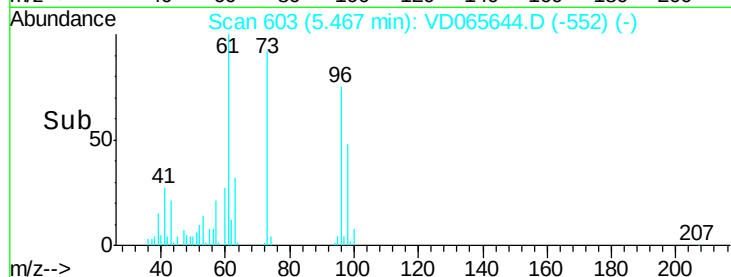
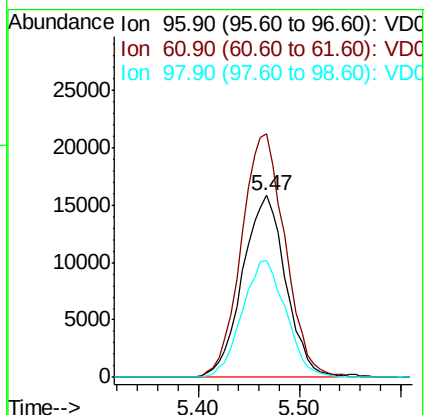
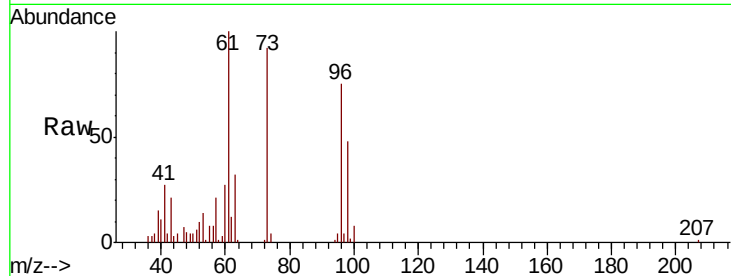
Tot Ion: 96 Resp: 46926

Ion Ratio Lower Upper

96 100

61 133.7 102.6 153.8

98 64.0 49.4 74.0



#22

Diisopropyl ether

Concen: 19.964 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion: 45 Resp: 130366

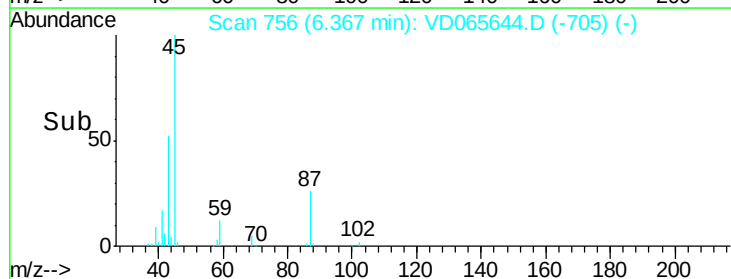
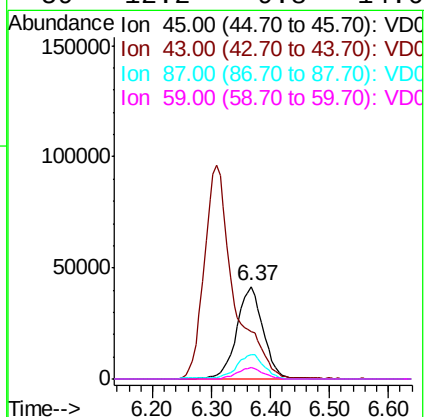
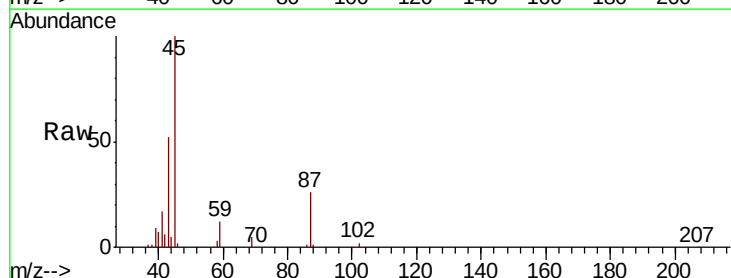
Ion Ratio Lower Upper

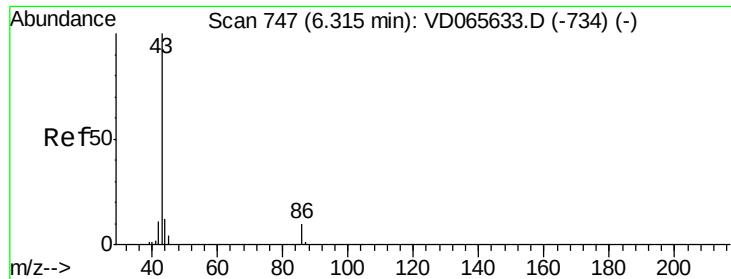
45 100

43 51.2 42.2 63.2

87 26.0 22.1 33.1

59 12.2 9.8 14.6





#23

Vinyl Acetate

Concen: 94.783 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

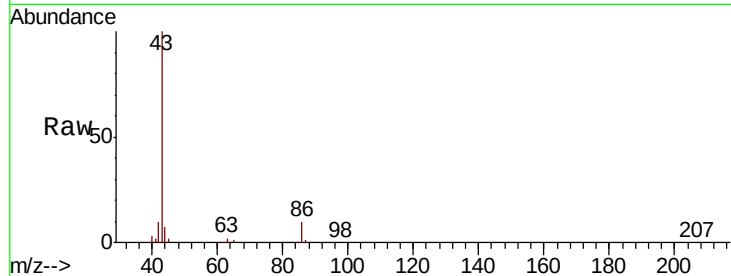
ClientSampleId :

Tot Ion: 43 Resp: 334194

Ion Ratio Lower Upper

43 100

86 9.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

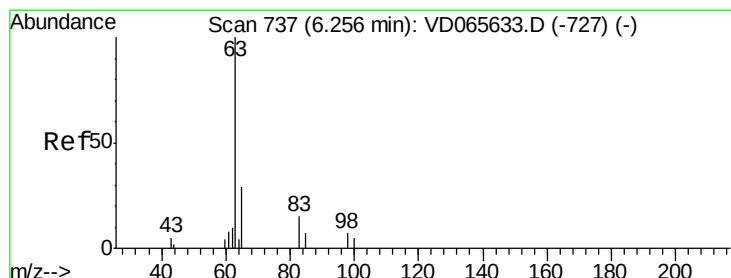
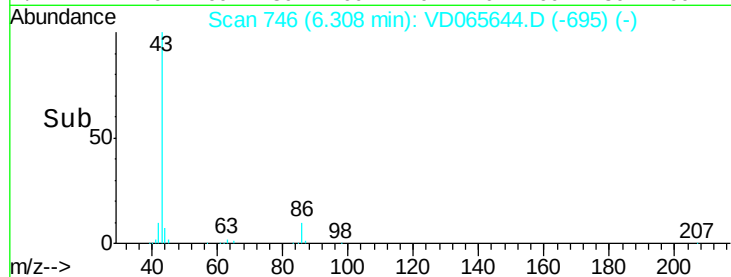
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.813 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

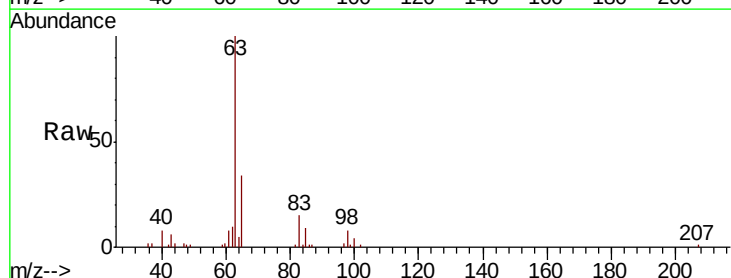
Tgt Ion: 63 Resp: 81744

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.4 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

6.26

30000

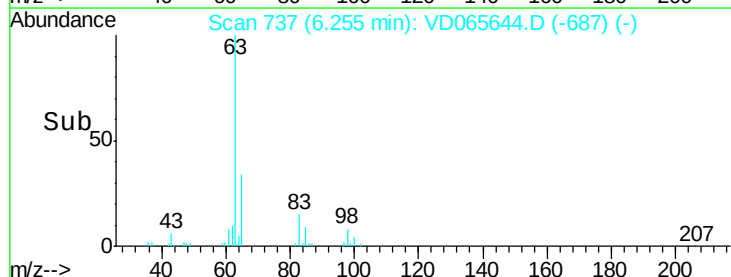
20000

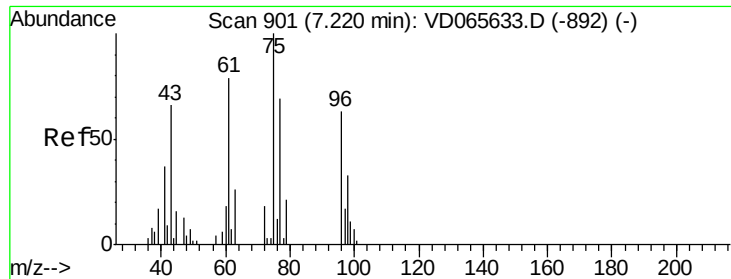
10000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 96.004 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

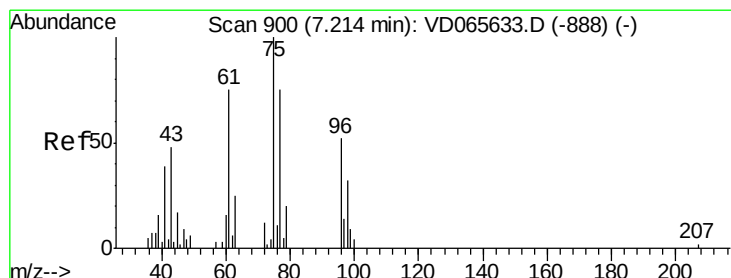
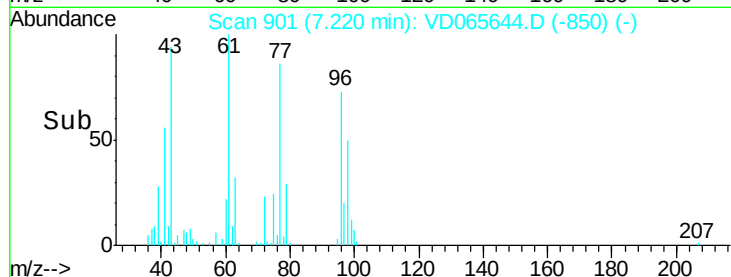
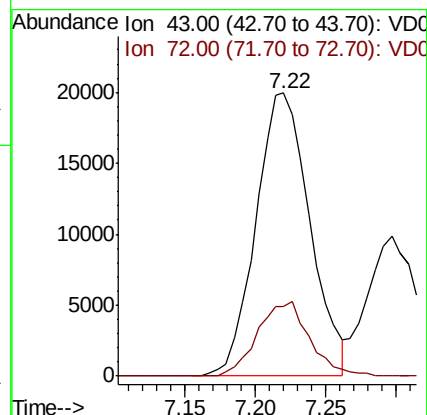
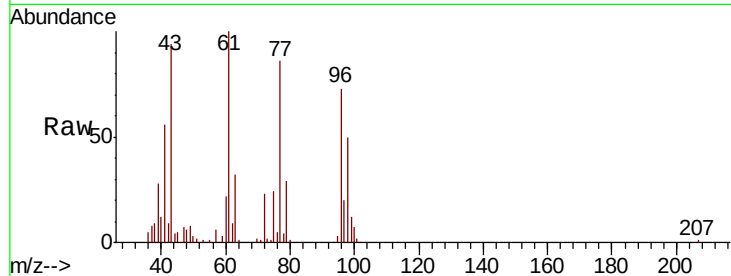
ClientSampleId :

Tot Ion: 43 Resp: 53462

Ion Ratio Lower Upper

43 100

72 24.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.771 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065644.D

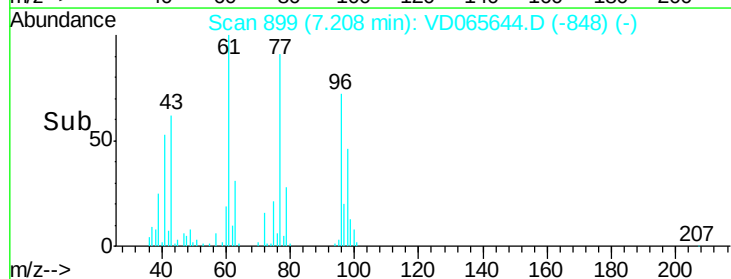
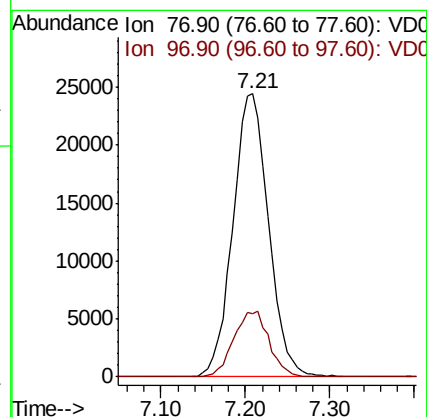
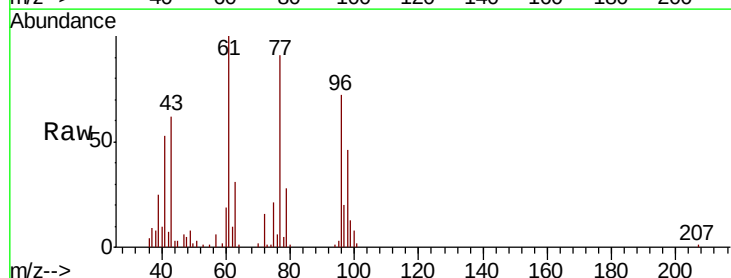
Acq: 17 Apr 2020 15:00

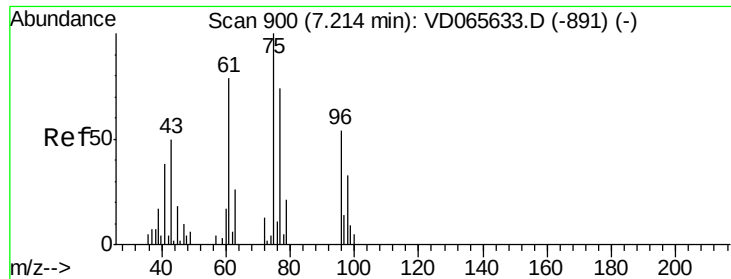
Tgt Ion: 77 Resp: 71097

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5



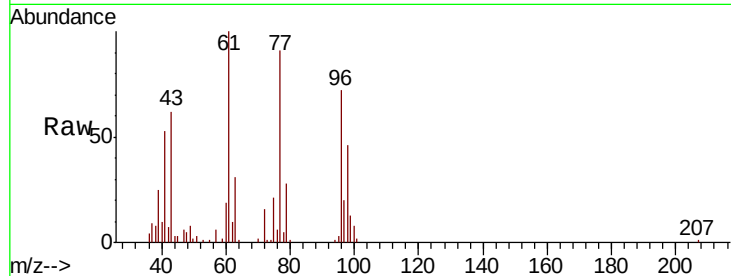


#27

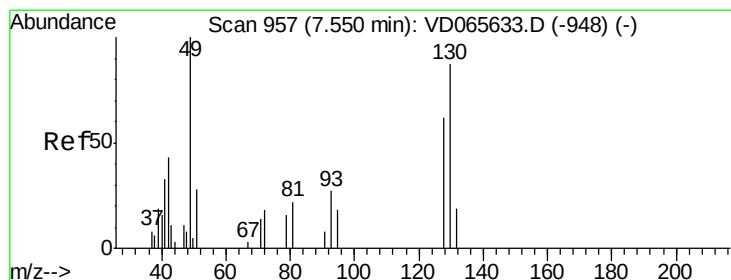
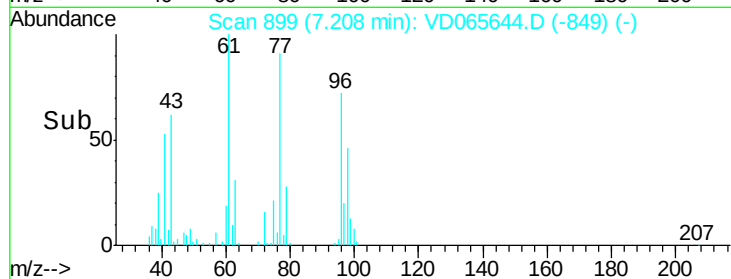
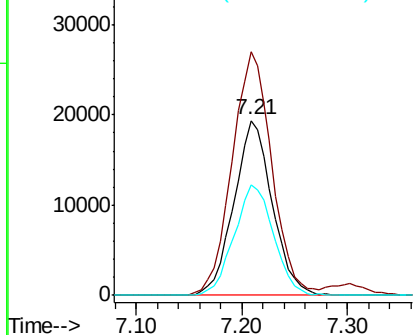
cis-1,2-Dichloroethene
 Concen: 19.214 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 48735
 Ion Ratio Lower Upper
 96 100
 61 144.3 0.0 286.2
 98 64.9 0.0 128.0



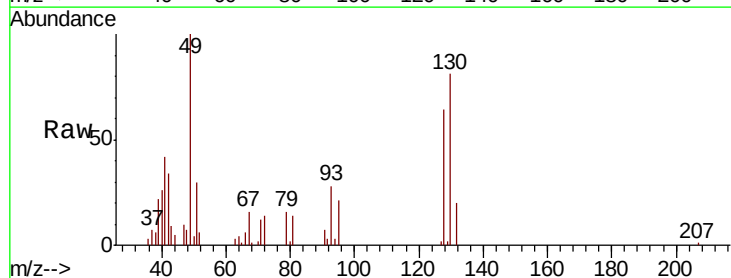
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



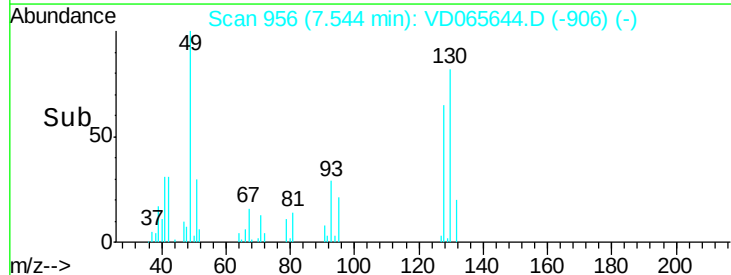
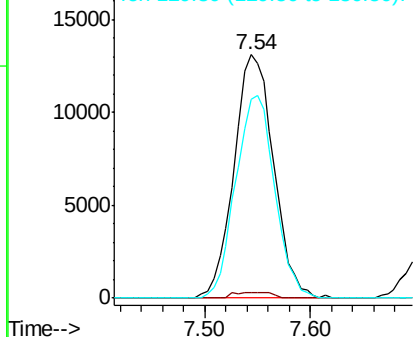
#28

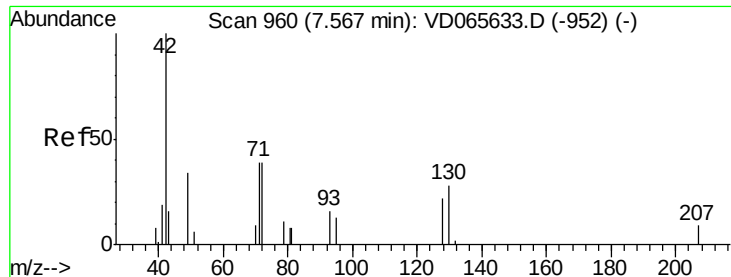
Bromochloromethane
 Concen: 20.715 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 49 Resp: 34133
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 81.8 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

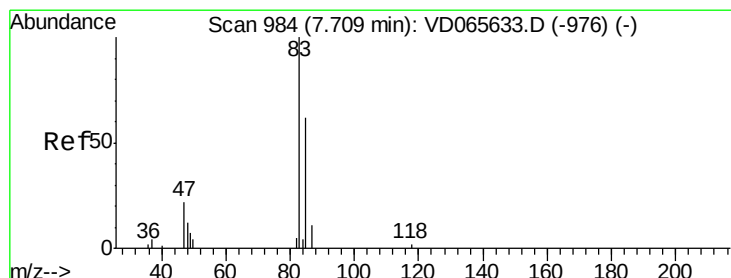
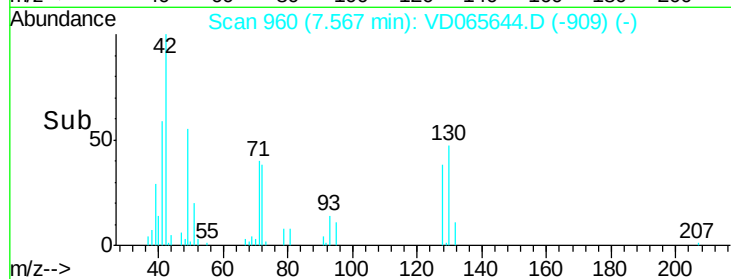
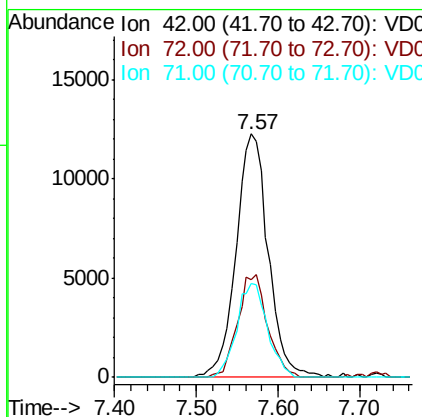
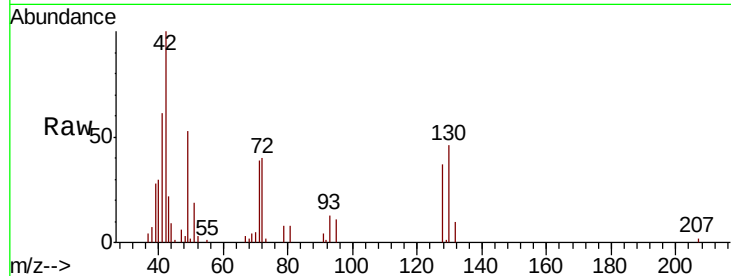




#29
Tetrahydrofuran
Concen: 95.006 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

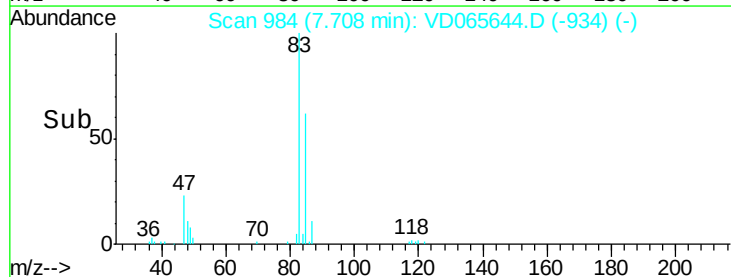
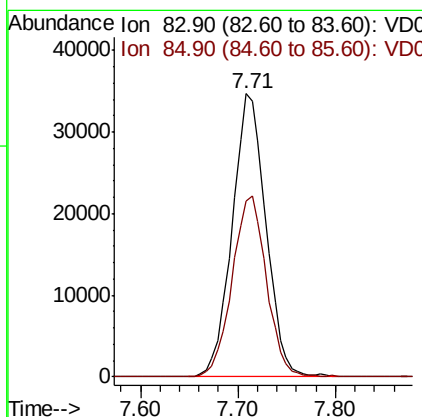
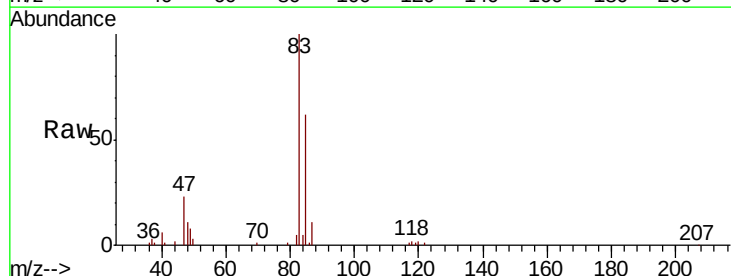
Instrument :
MSVOA_D
ClientSampleId :

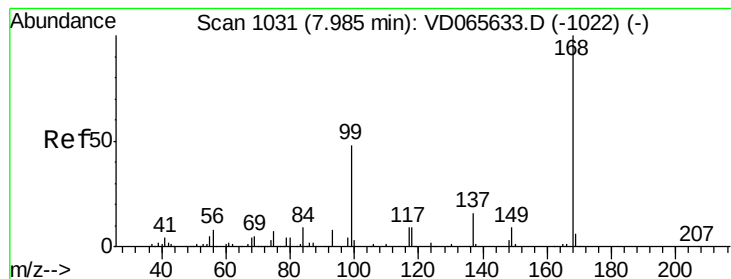
Tot Ion: 42 Resp: 33569
Ion Ratio Lower Upper
42 100
72 39.3 34.4 51.6
71 36.7 31.4 47.0



#30
Chloroform
Concen: 19.686 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 83 Resp: 83126
Ion Ratio Lower Upper
83 100
85 62.2 52.6 78.8





#31

Cyclohexane

Concen: 19.491 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

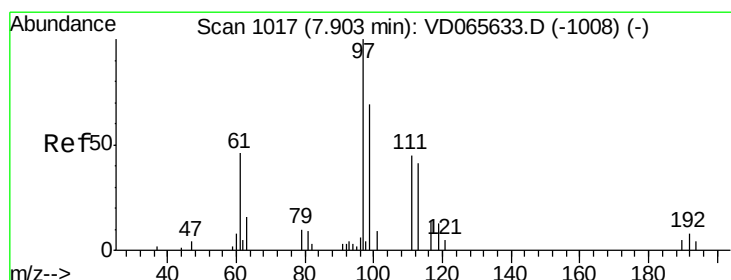
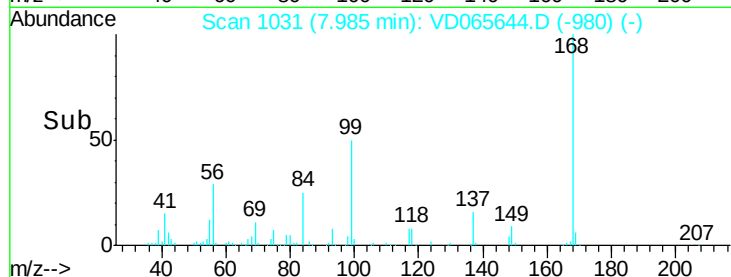
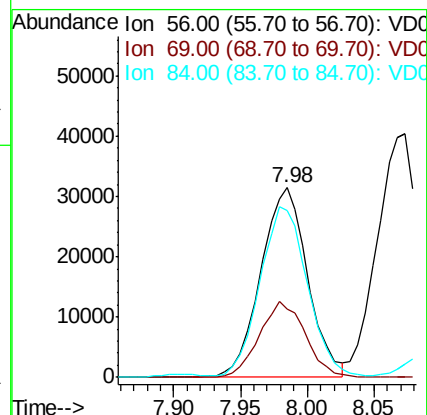
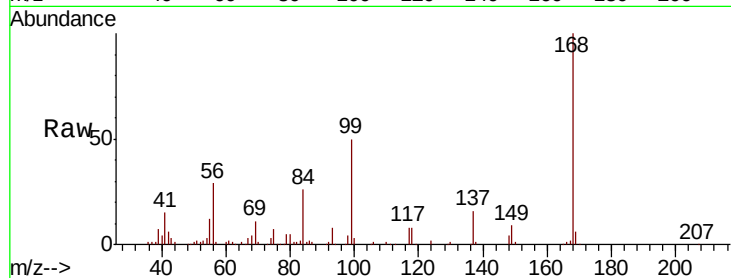
Tot Ion: 56 Resp: 76603

Ion Ratio Lower Upper

56 100

69 36.2 26.6 40.0

84 86.6 75.3 112.9



#32

1,1,1-Trichloroethane

Concen: 19.956 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

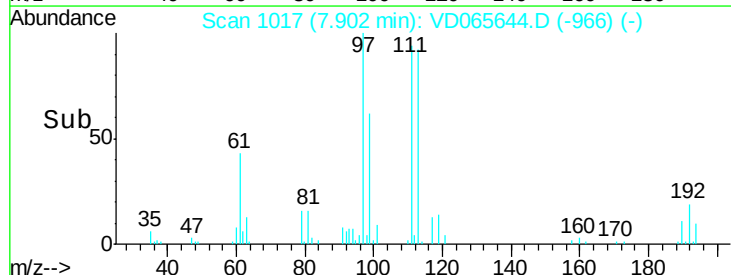
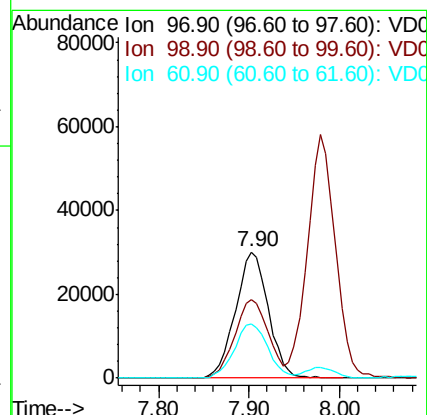
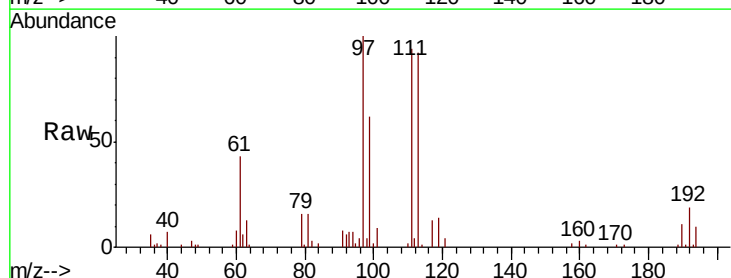
Tgt Ion: 97 Resp: 75764

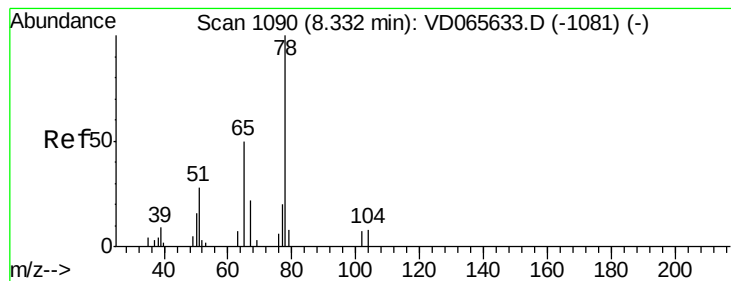
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 44.1 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 45.364 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

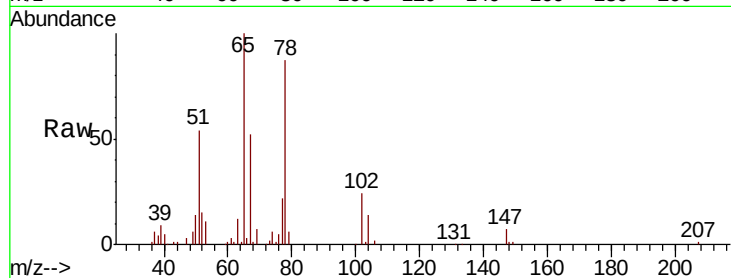
ClientSampleId :

Tot Ion: 65 Resp: 94669

Ion Ratio Lower Upper

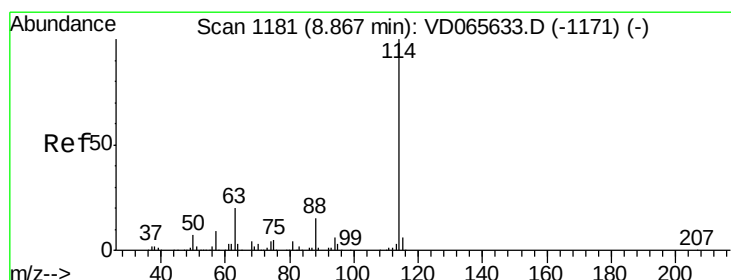
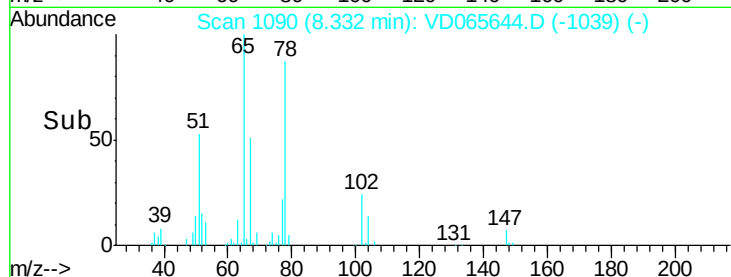
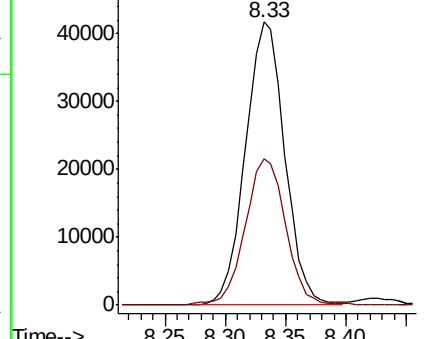
65 100

67 53.2 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

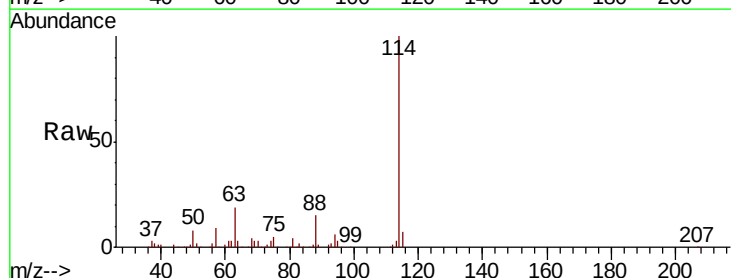
Tgt Ion: 114 Resp: 345281

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

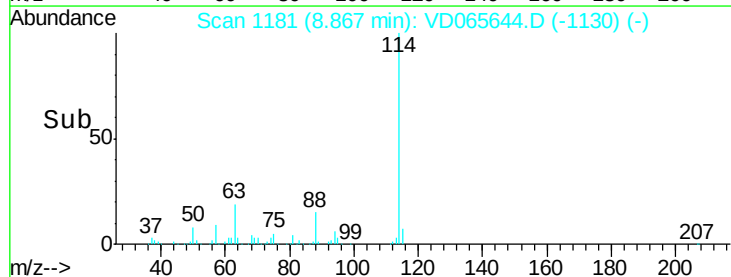
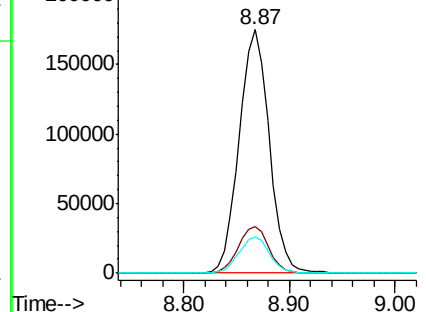
88 15.1 0.0 31.6

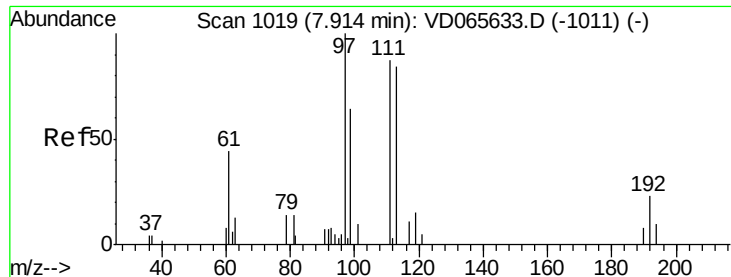


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

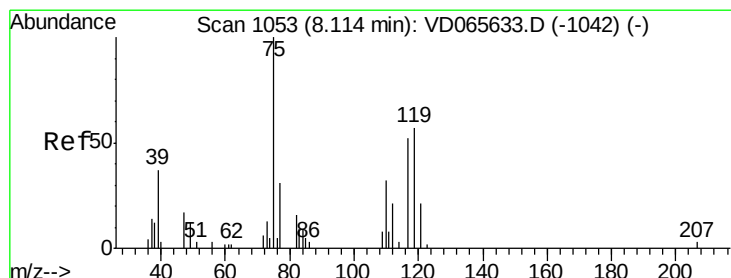
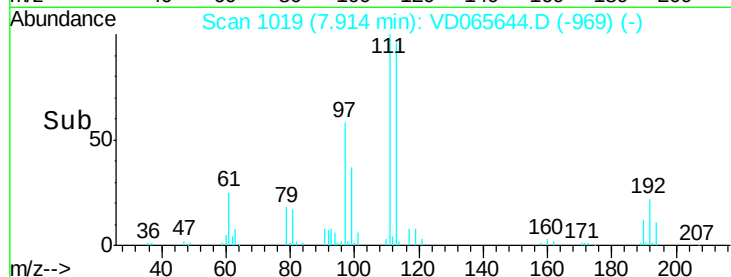
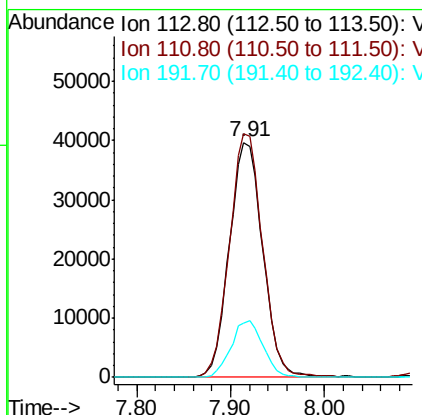
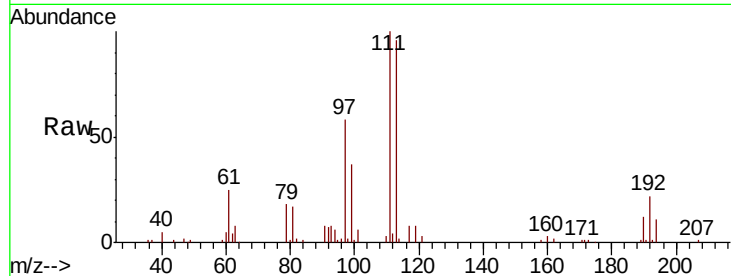




#35
 Dibromofluoromethane
 Concen: 45.565 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

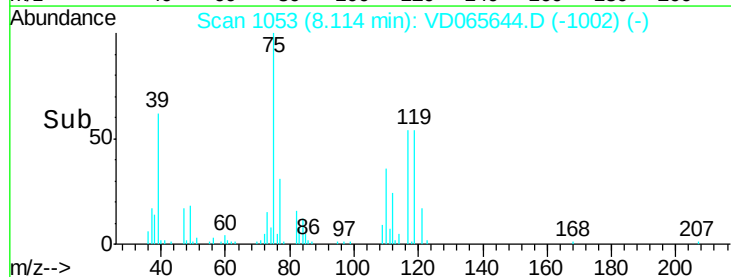
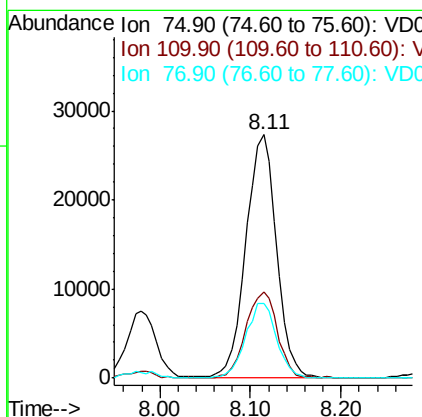
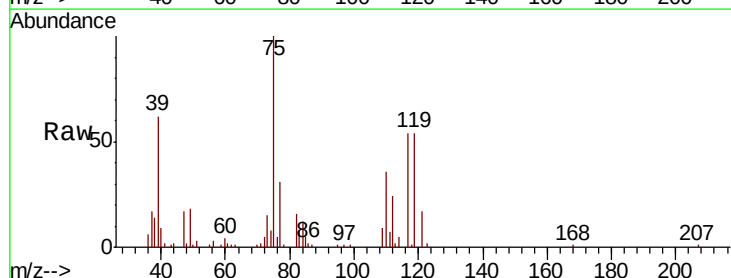
Instrument :
 MSVOA_D
 ClientSampleId :

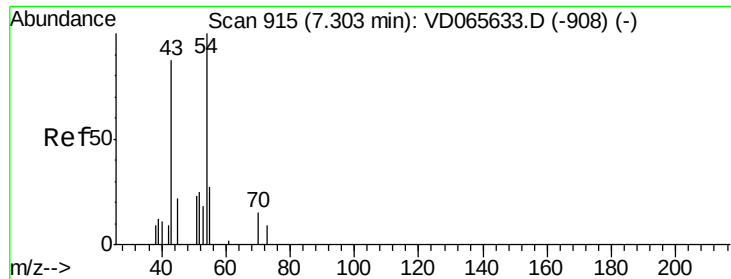
Tot Ion:113 Resp: 97917
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 23.0 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 75 Resp: 64241
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.3 54.8
 77 31.1 24.6 37.0

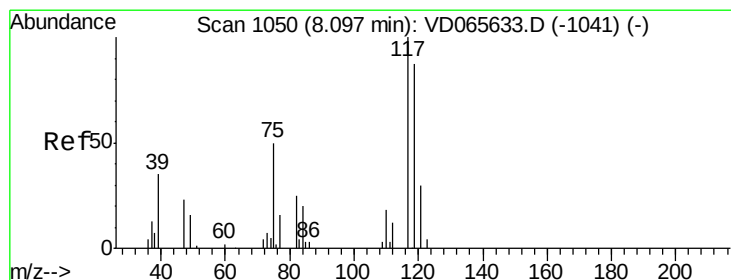
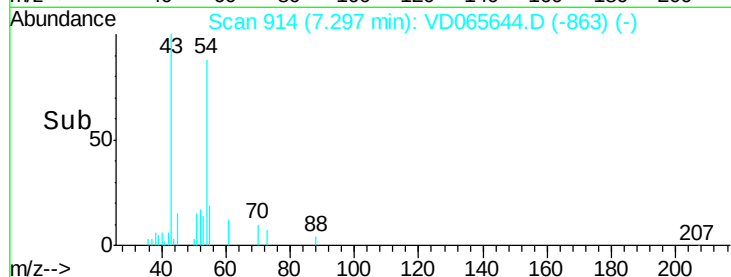
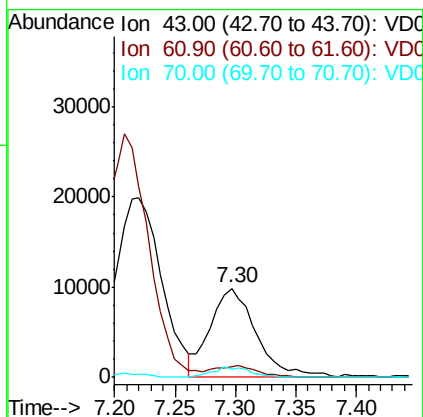
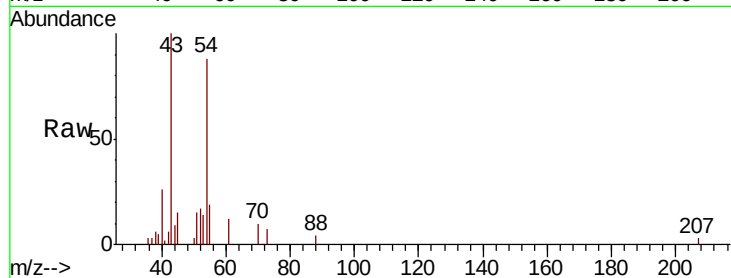




#37
Ethyl Acetate
Concen: 19.651 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

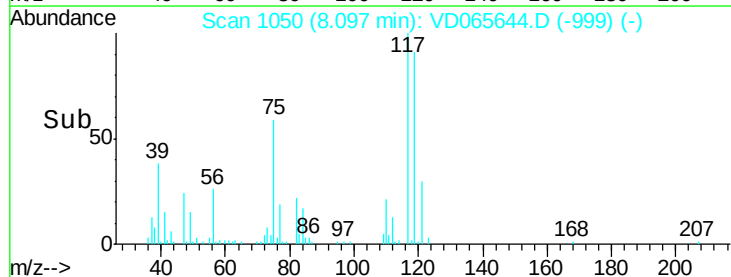
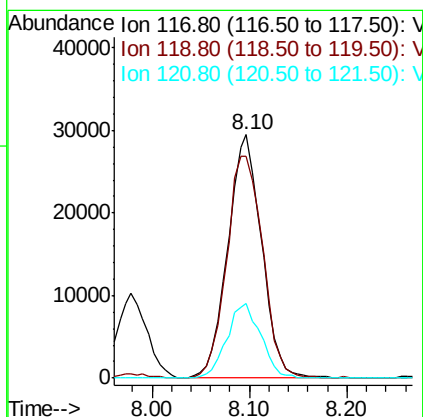
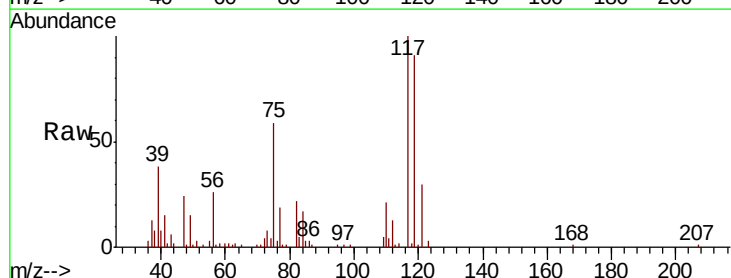
Instrument :
MSVOA_D
ClientSampleId :

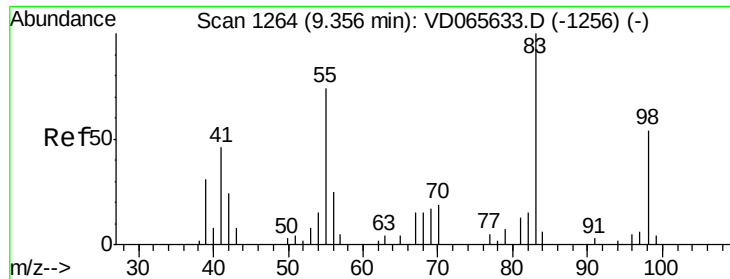
Tot Ion: 43 Resp: 26128
Ion Ratio Lower Upper
43 100
61 12.4 10.9 16.3
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 19.872 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 117 Resp: 70969
Ion Ratio Lower Upper
117 100
119 91.3 75.3 112.9
121 30.5 24.9 37.3

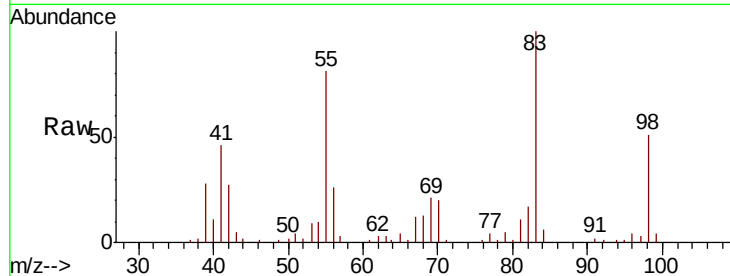




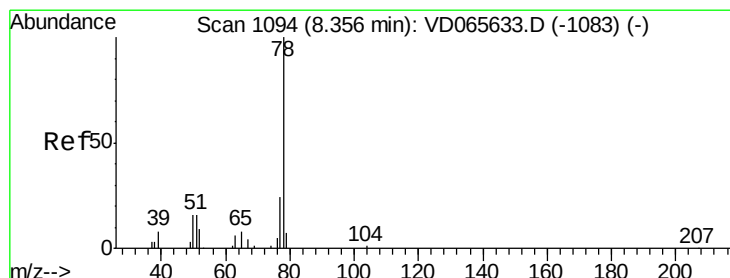
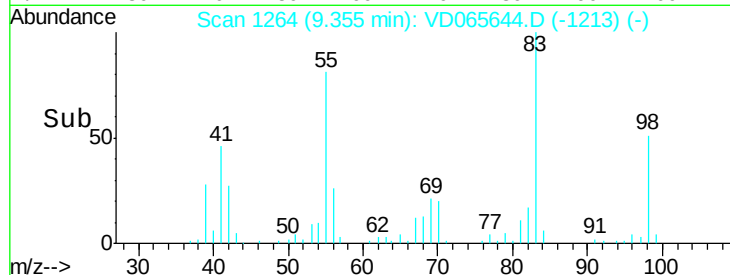
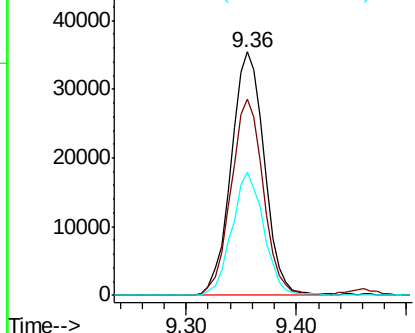
#39
Methylvlcyclohexane
Concen: 19.323 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 74969
Ion Ratio Lower Upper
83 100
55 80.7 62.3 93.5
98 50.7 40.5 60.7

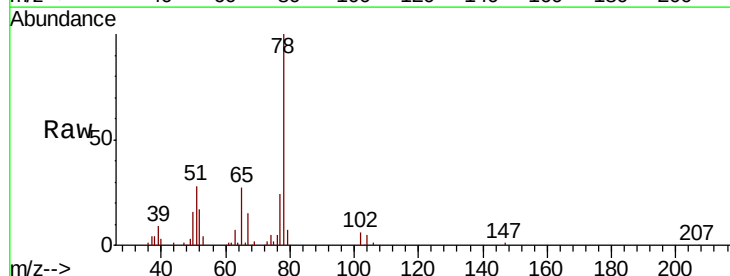


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

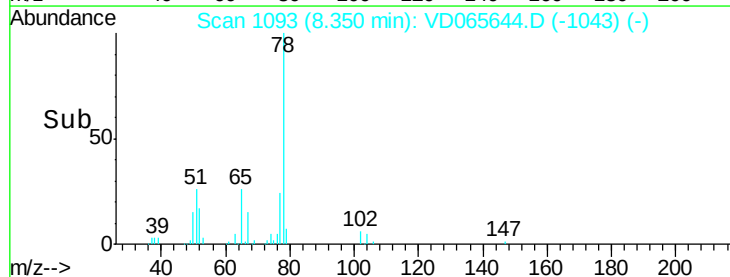
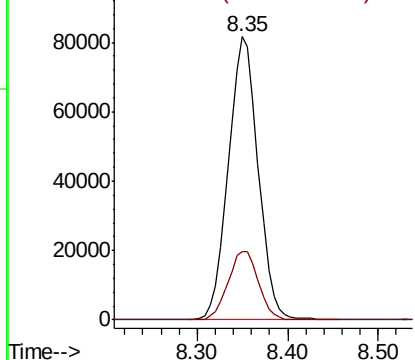


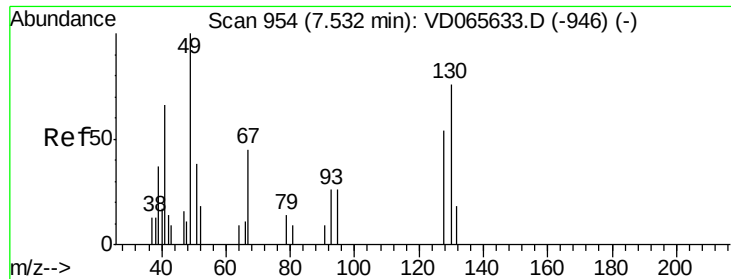
#40
Benzene
Concen: 19.422 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 78 Resp: 186174
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3



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





#41

Methacrylonitrile

Concen: 21.896 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 14419

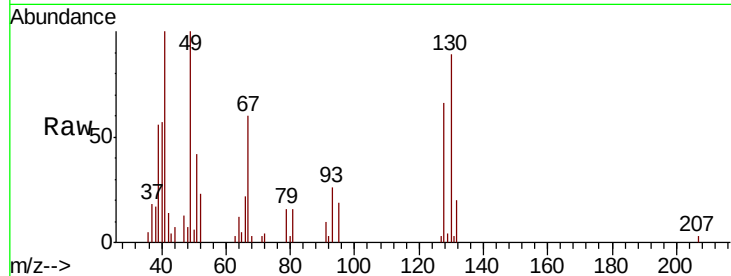
Ion Ratio Lower Upper

41 100

39 55.5 0.0 0.0#

67 68.4 0.0 0.0#

52 27.5 0.0 0.0#



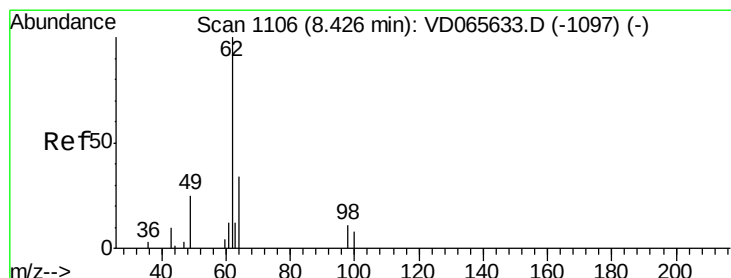
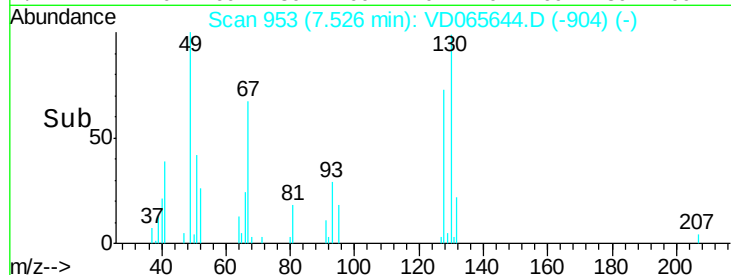
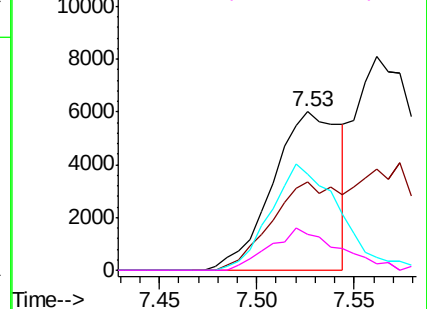
Abundance

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: 19.705 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065644.D

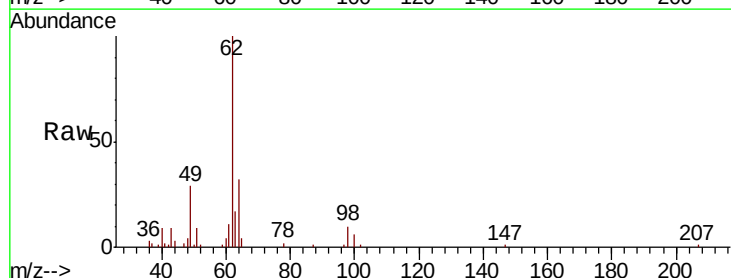
Acq: 17 Apr 2020 15:00

Tgt Ion: 62 Resp: 51765

Ion Ratio Lower Upper

62 100

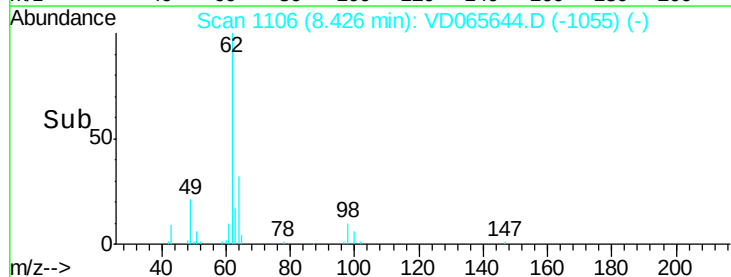
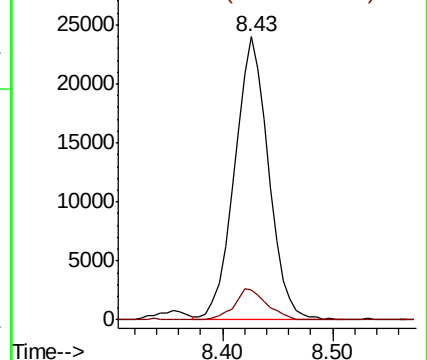
98 10.4 0.0 20.6

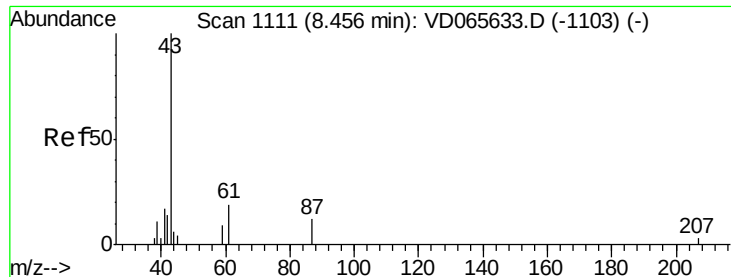


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.556 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

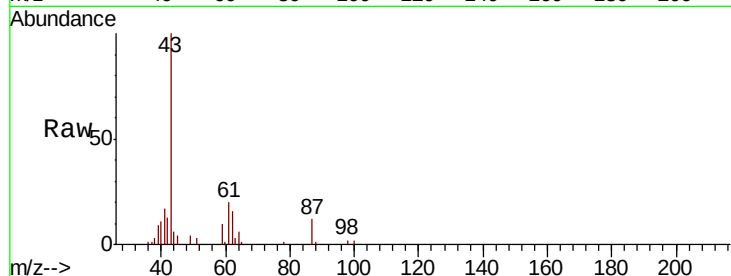
Tot Ion: 43 Resp: 44428

Ion Ratio Lower Upper

43 100

61 32.3 25.0 37.6

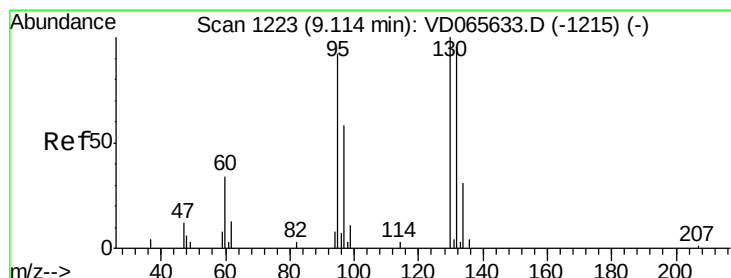
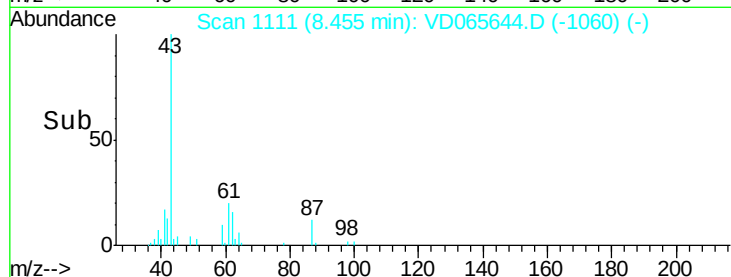
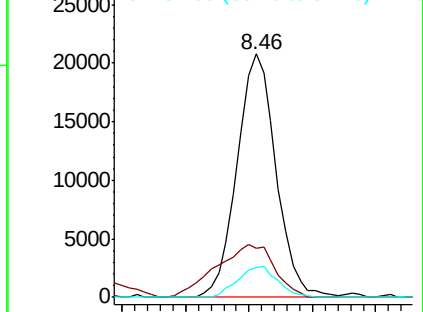
87 12.9 9.9 14.9



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: 18.908 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065644.D

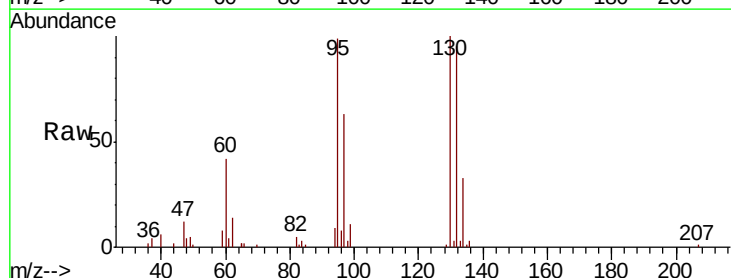
Acq: 17 Apr 2020 15:00

Tgt Ion: 130 Resp: 50735

Ion Ratio Lower Upper

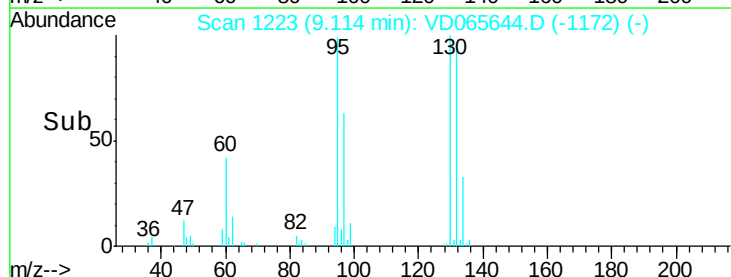
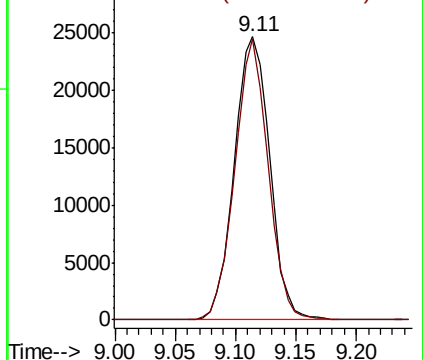
130 100

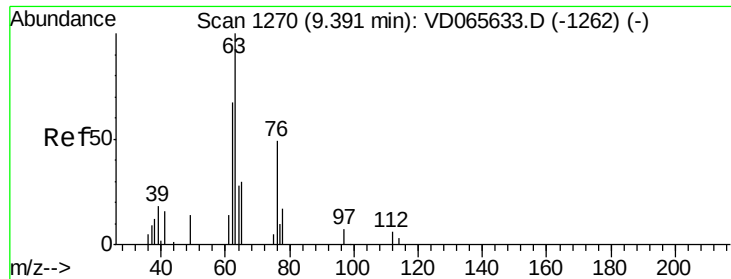
95 99.1 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

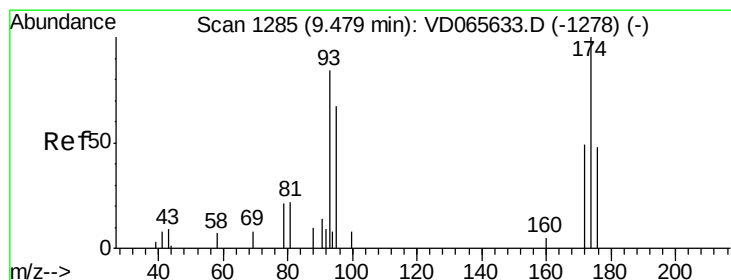
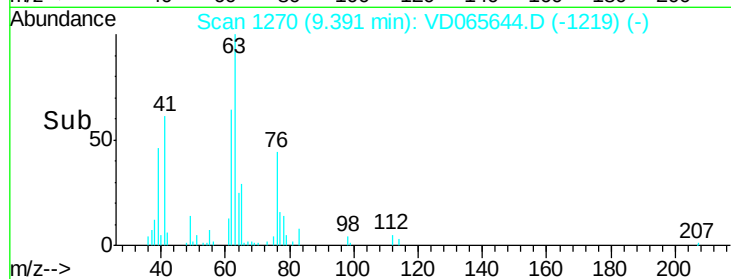
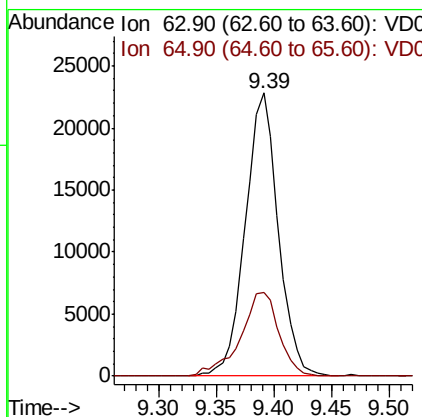
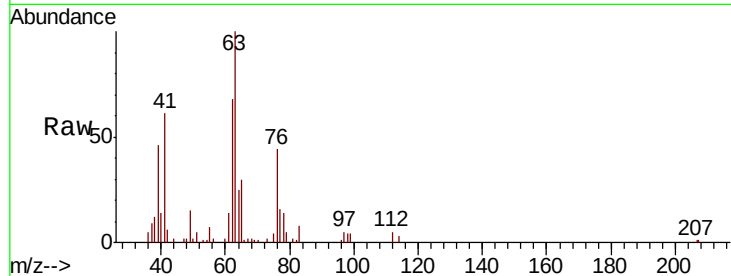




#45
 1,2-Dichloropropane
 Concen: 19.255 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

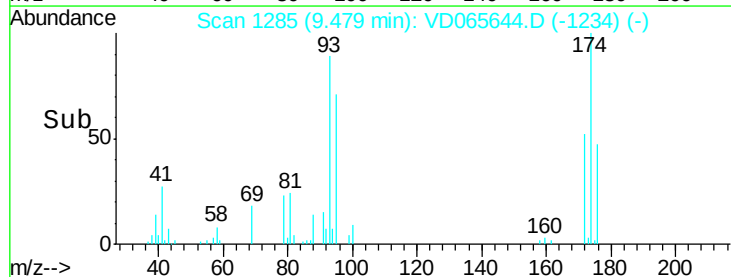
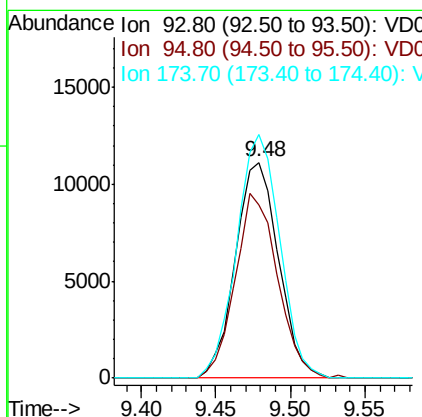
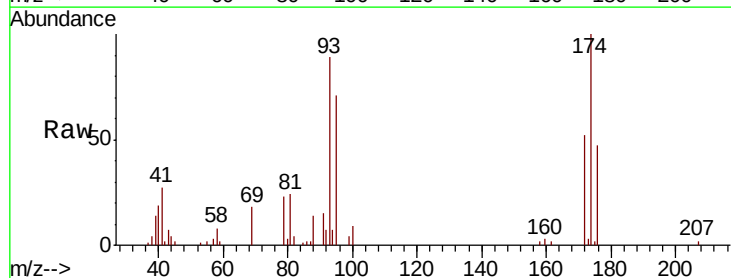
Instrument :
 MSVOA_D
 ClientSampled :

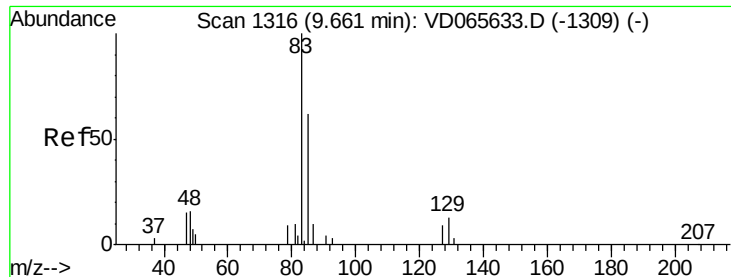
Tot Ion: 63 Resp: 45298
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1



#46
 Dibromomethane
 Concen: 18.404 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 93 Resp: 22390
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.4 101.2
 174 112.7 94.1 141.1





#47

Bromodichloromethane

Concen: 19.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

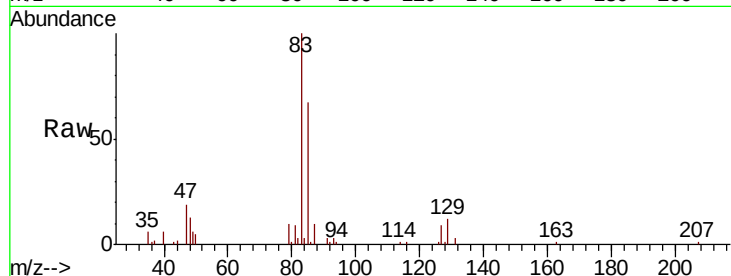
Tot Ion: 83 Resp: 63222

Ion Ratio Lower Upper

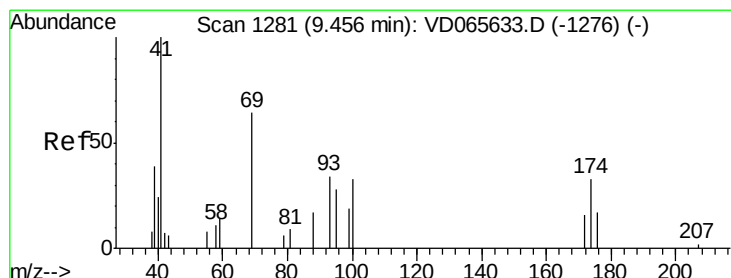
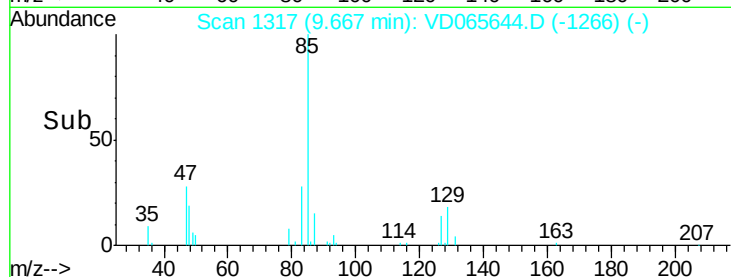
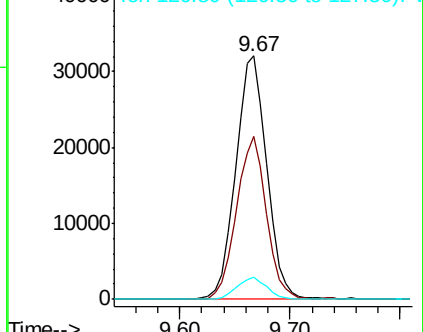
83 100

85 66.9 49.8 74.8

127 9.4 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: 16.669 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

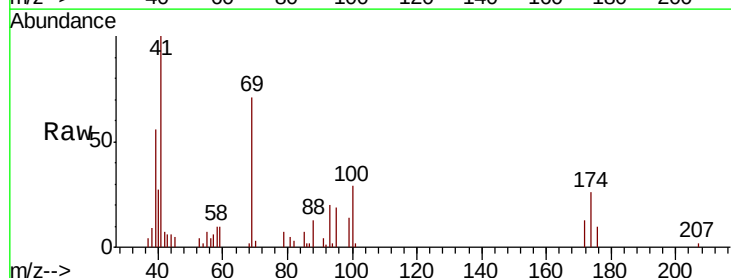
Tgt Ion: 41 Resp: 19829

Ion Ratio Lower Upper

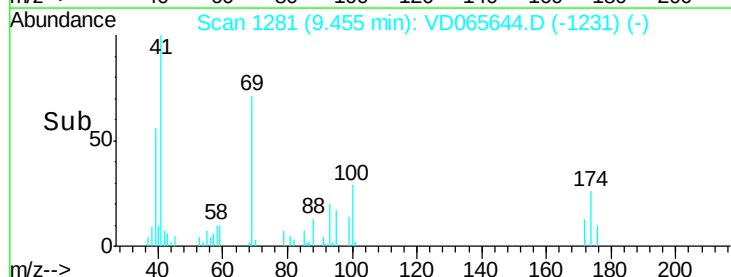
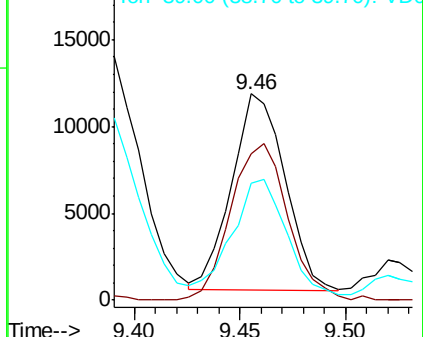
41 100

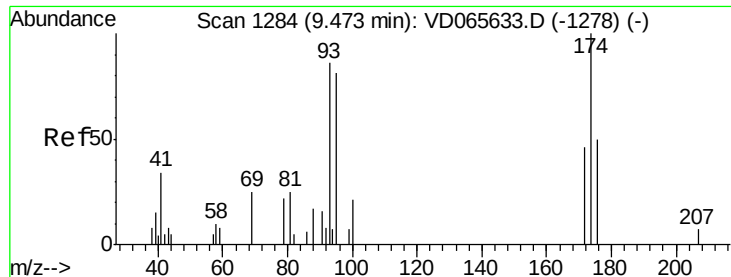
69 85.7 66.8 100.2

39 59.0 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

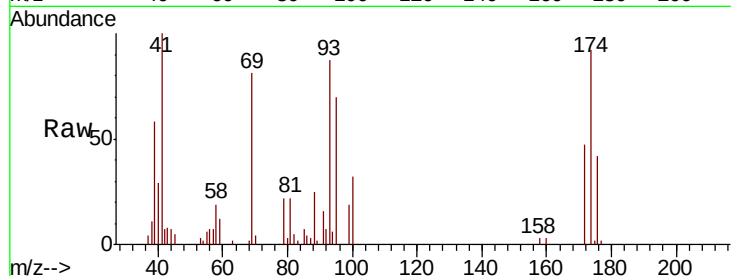




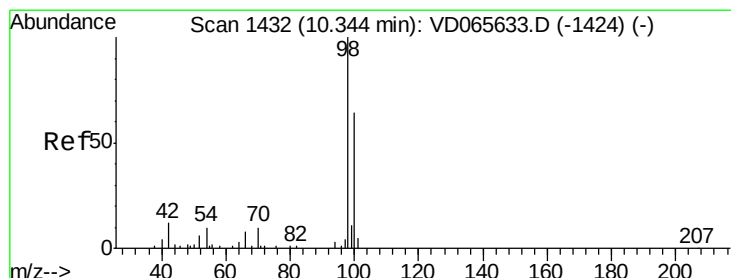
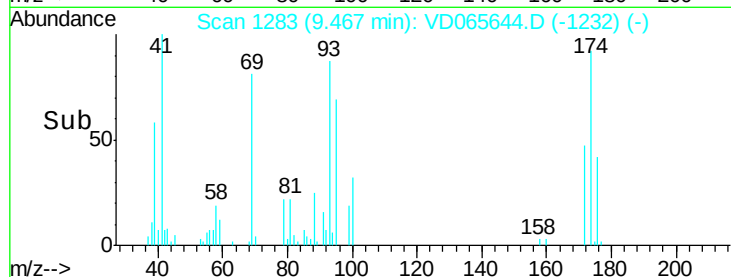
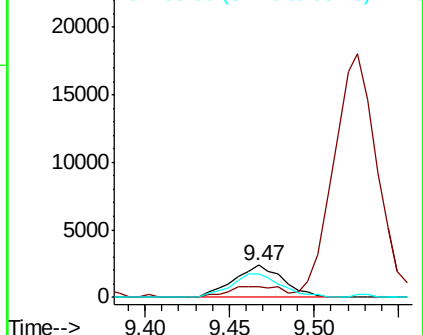
#49
 1,4-Dioxane
 Concen: 346.059 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 4826
 Ion Ratio Lower Upper
 88 100
 43 36.8 28.1 42.1
 58 73.3 55.7 83.5

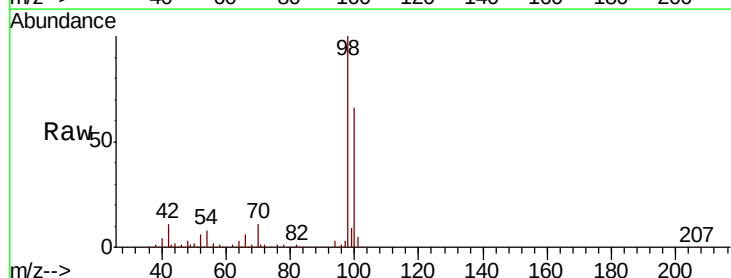


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

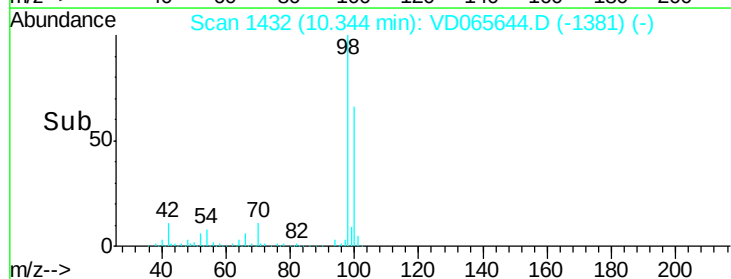
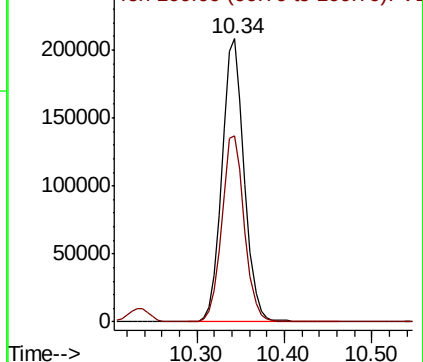


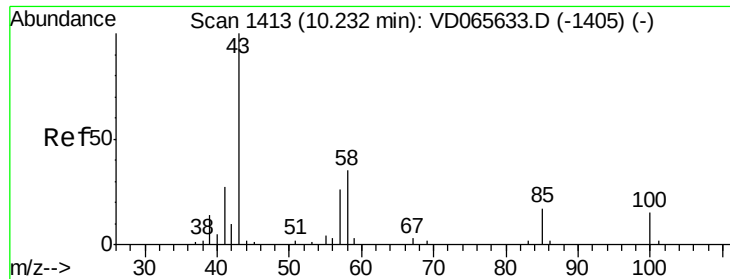
#50
 Toluene-d8
 Concen: 46.133 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 98 Resp: 365458
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.4 78.6



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

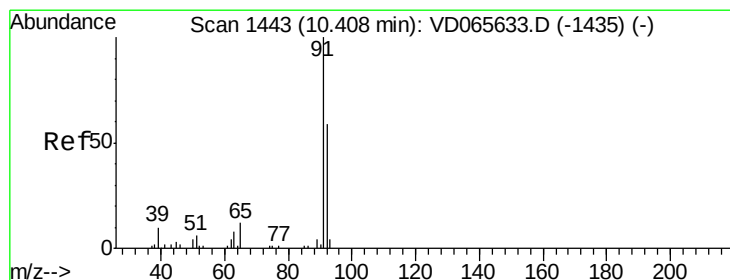
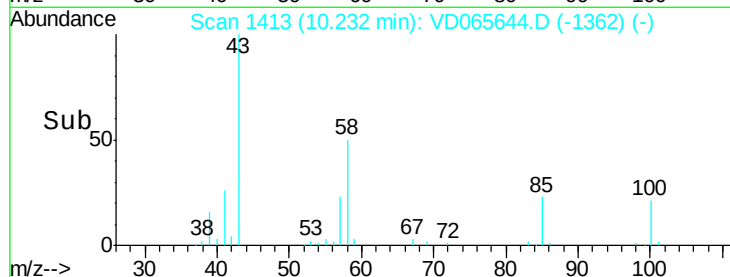
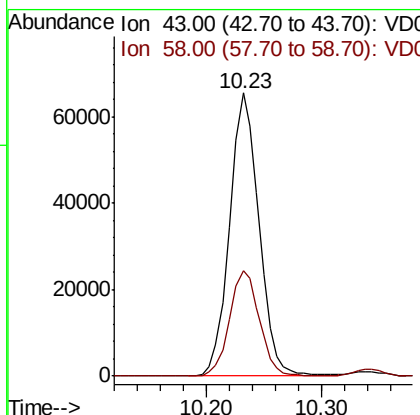
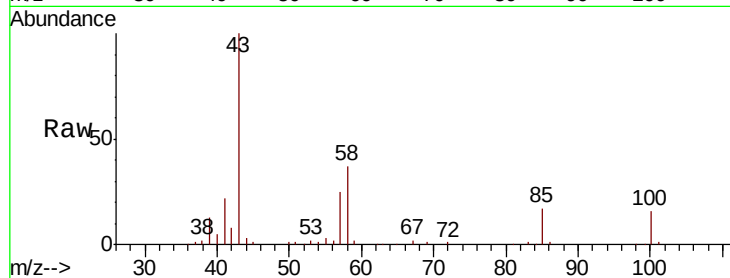




#51
 4-Methyl-2-Pentanone
 Concen: 92.931 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

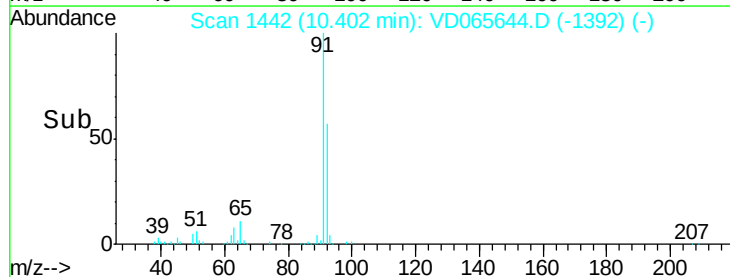
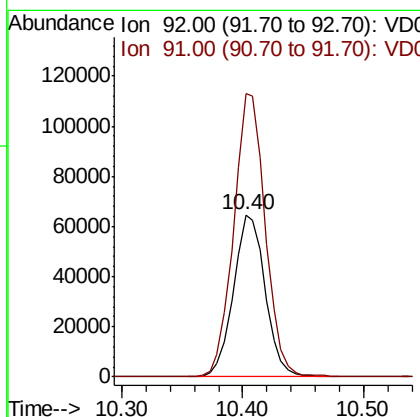
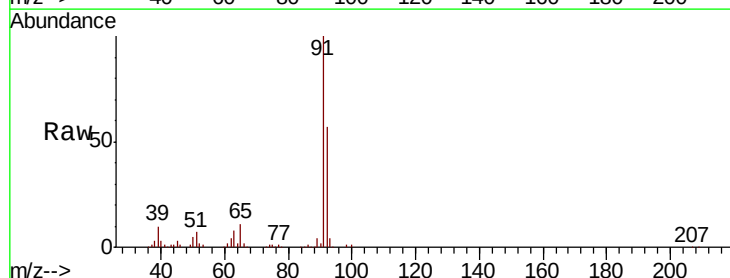
Instrument :
 MSVOA_D
 ClientSampled :

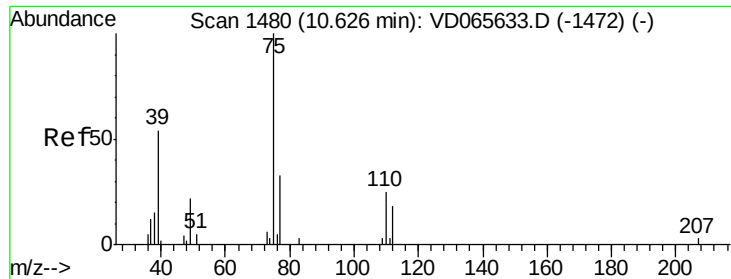
Tot Ion: 43 Resp: 115774
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.1 46.7



#52
 Toluene
 Concen: 20.043 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 92 Resp: 118439
 Ion Ratio Lower Upper
 92 100
 91 174.5 136.6 205.0

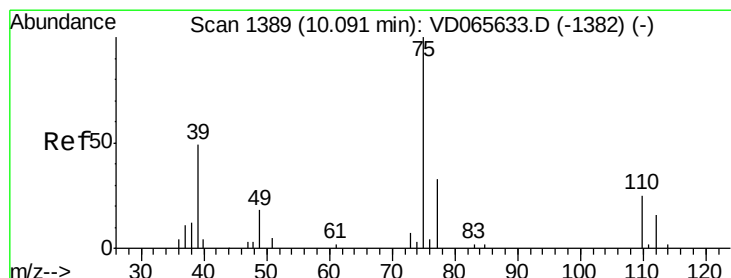
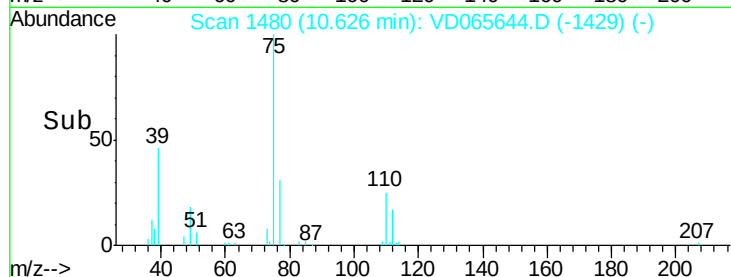
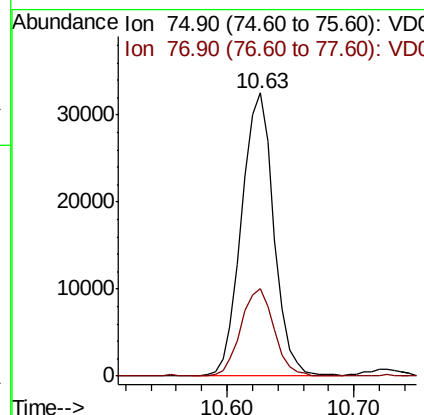
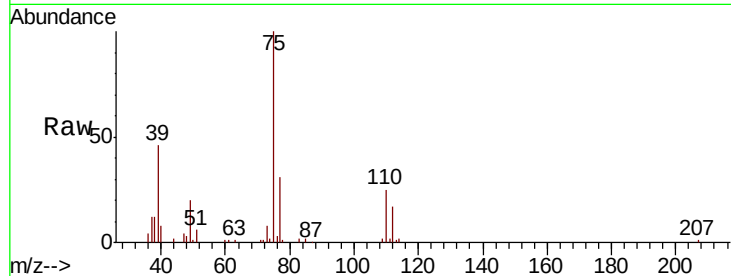




#53
 t-1,3-Dichloropropene
 Concen: 19.386 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

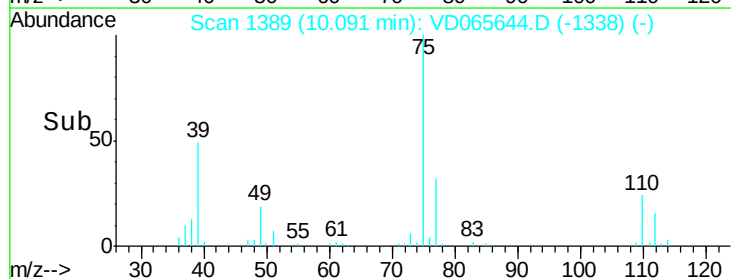
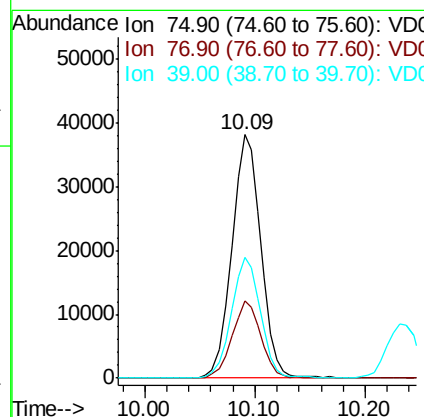
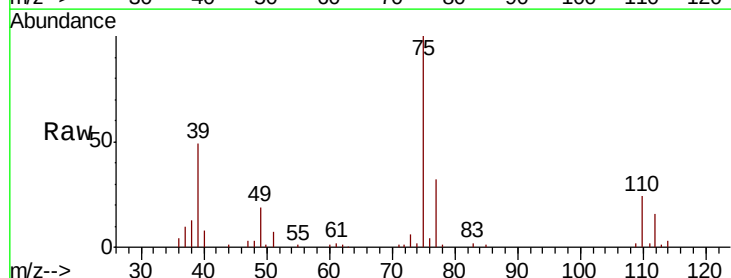
Instrument :
 MSVOA_D
 ClientSampleId :

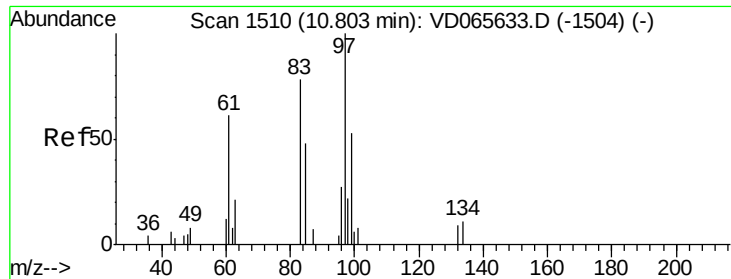
Tot Ion: 75 Resp: 57666
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.448 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 75 Resp: 70014
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 49.4 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 19.885 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 34217

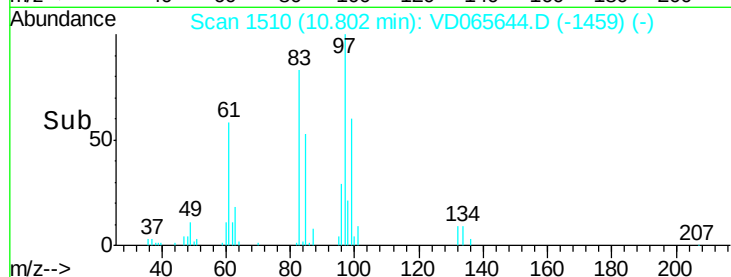
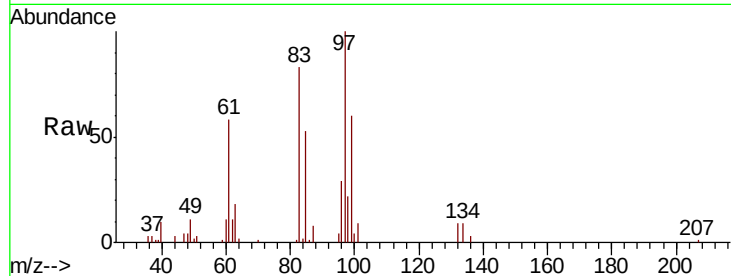
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	53.1	43.4	65.0
99	60.3	50.5	75.7

97 100

83 83.4 67.4 101.0

85 53.1 43.4 65.0

99 60.3 50.5 75.7



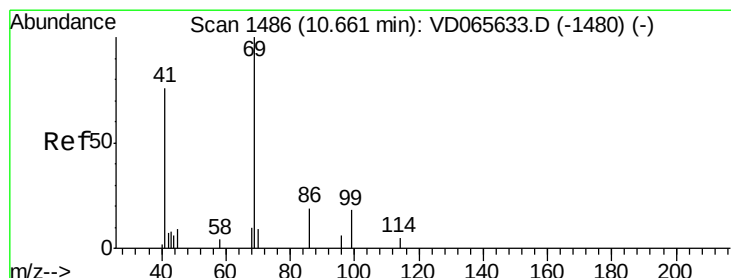
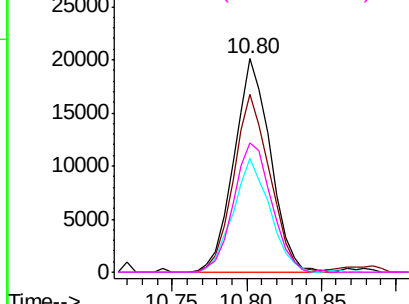
Abundance

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: 17.849 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

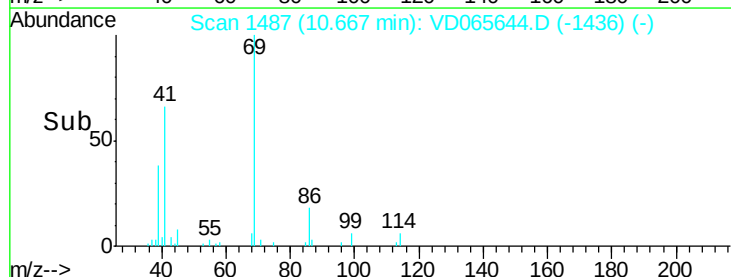
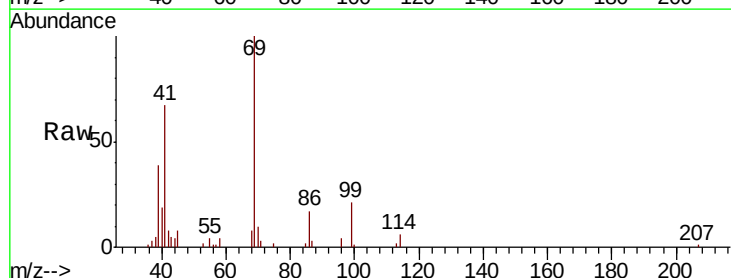
Tgt Ion: 69 Resp: 33266

Ion	Ratio	Lower	Upper
69	100		
41	73.1	56.2	84.4
39	35.5	26.6	39.8

69 100

41 73.1 56.2 84.4

39 35.5 26.6 39.8

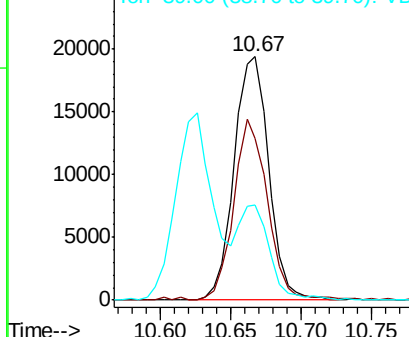


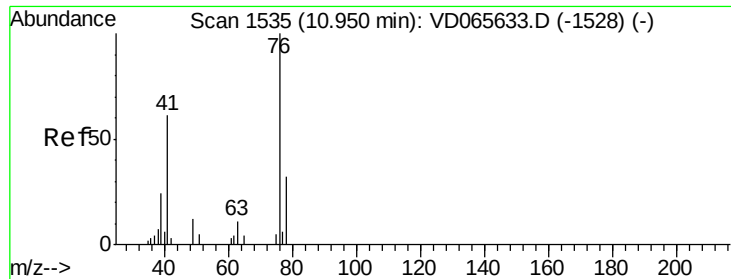
Abundance

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

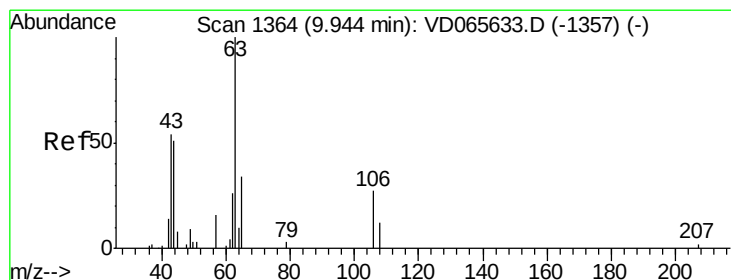
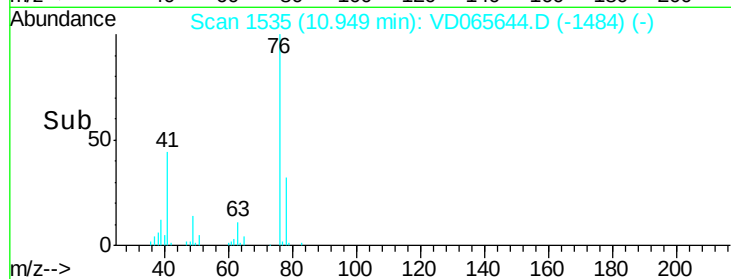
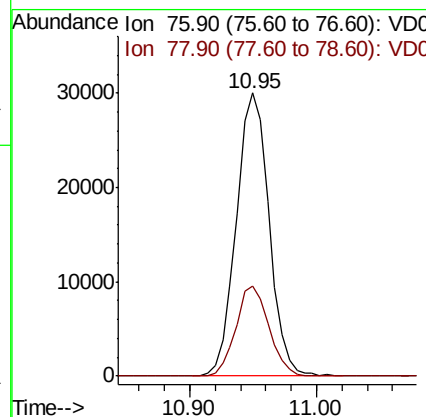
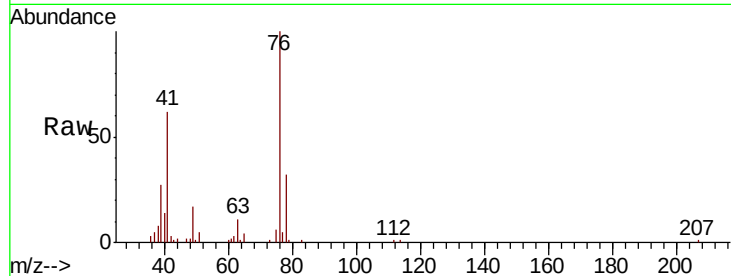




#57
 1,3-Dichloropropane
 Concen: 18.278 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

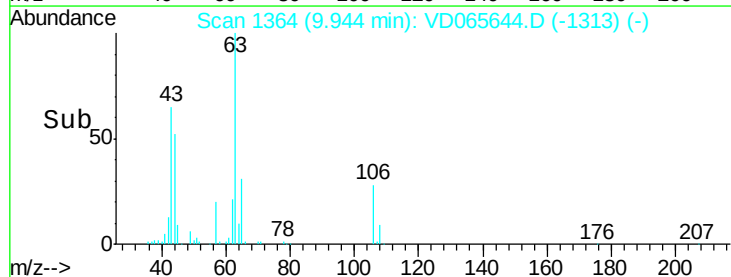
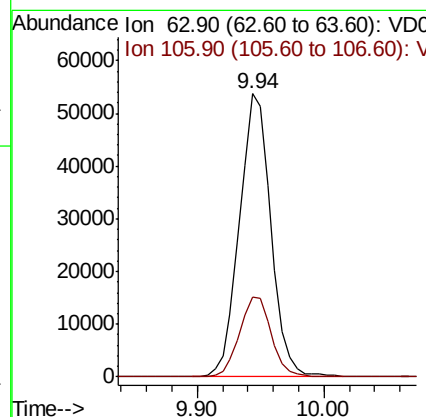
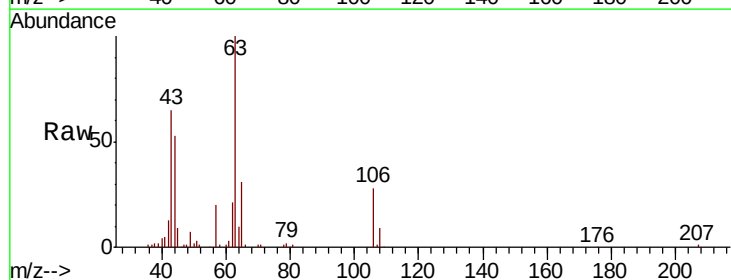
Instrument :
 MSVOA_D
 ClientSampleId :

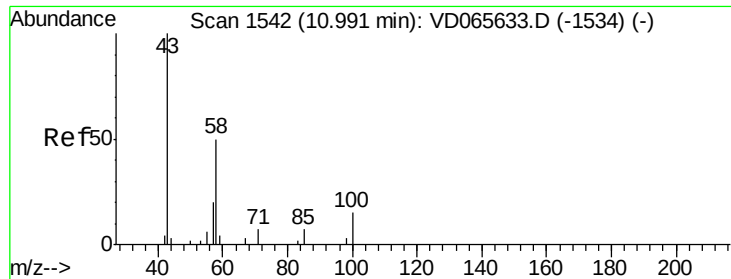
Tot Ion: 76 Resp: 53557
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.979 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 63 Resp: 92088
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.8 35.6

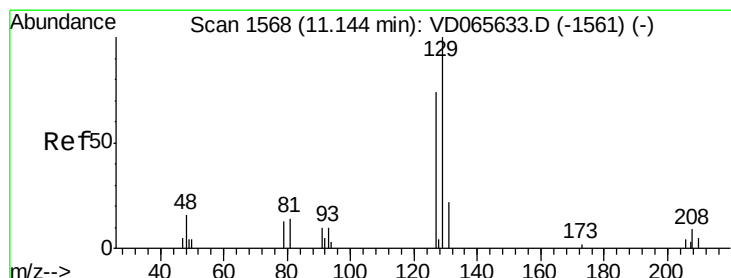
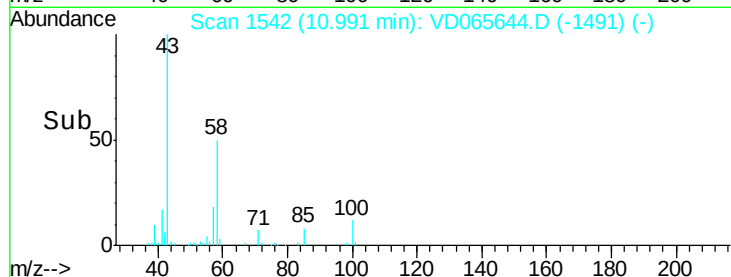
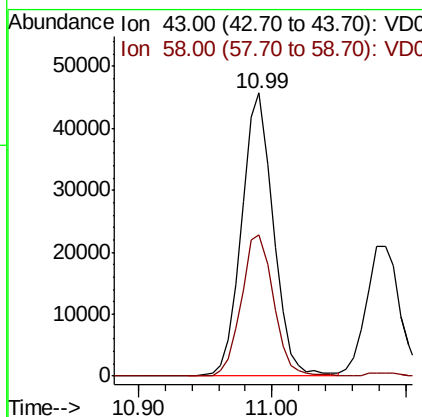
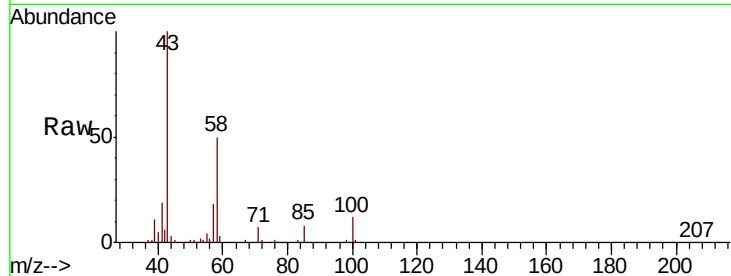




#59
2-Hexanone
Concen: 88.298 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

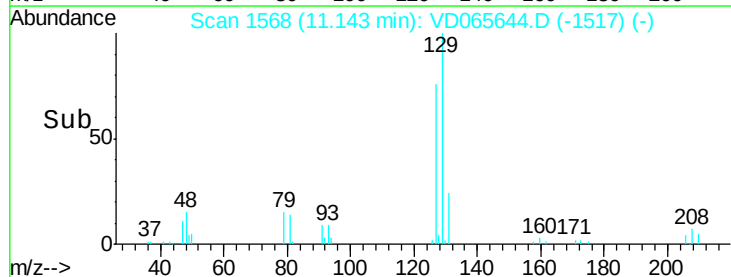
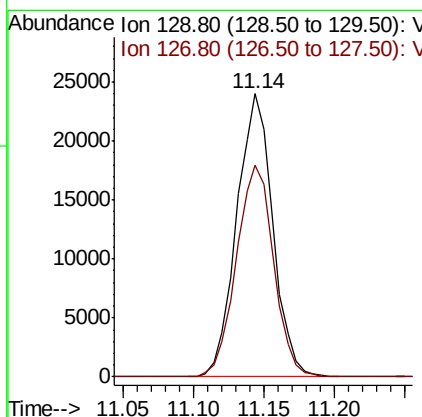
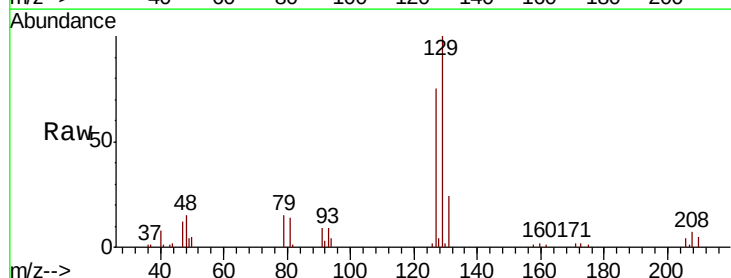
Instrument :
MSVOA_D
ClientSampled :

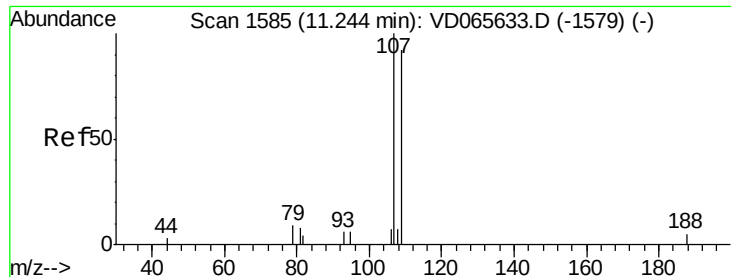
Tot Ion: 43 Resp: 74918
Ion Ratio Lower Upper
43 100
58 50.8 26.5 79.4



#60
Dibromochloromethane
Concen: 18.909 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 129 Resp: 42854
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3

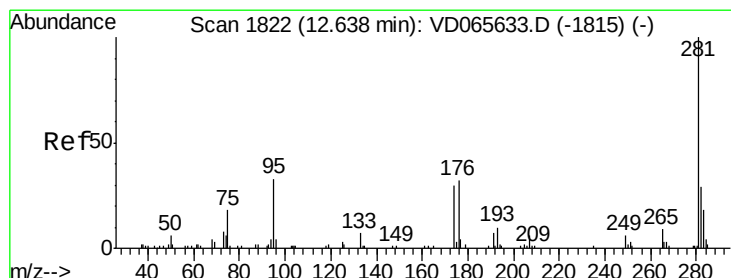
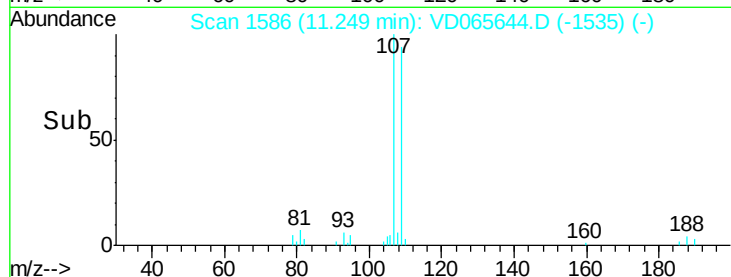
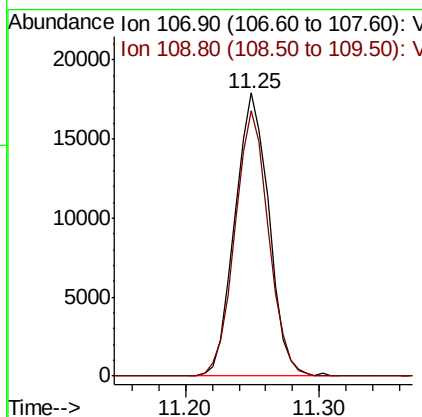
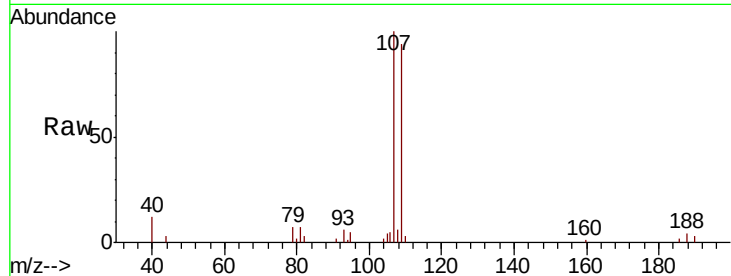




#61
 1,2-Dibromoethane
 Concen: 19.069 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

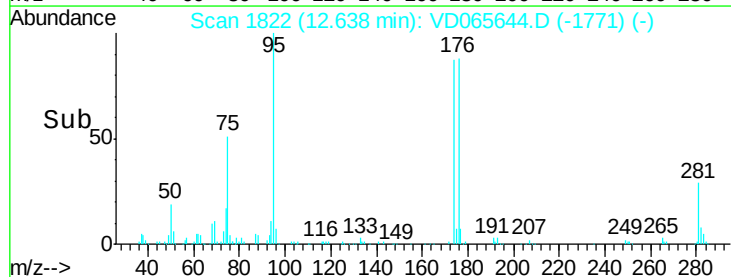
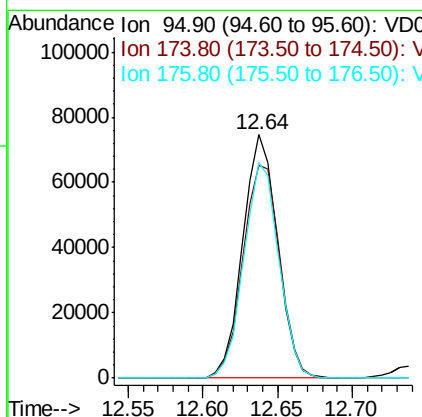
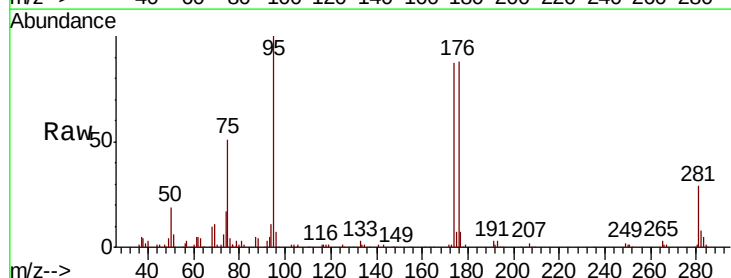
Instrument :
 MSVOA_D
 ClientSampleId :

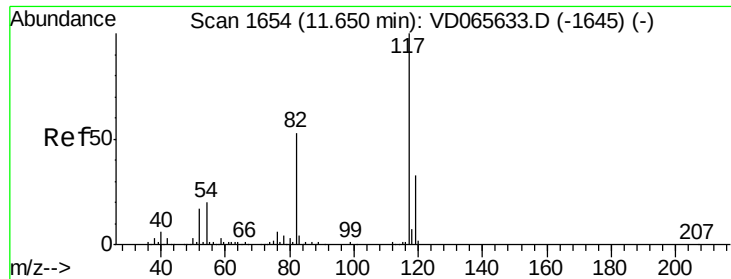
Tot Ion:107 Resp: 31573
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.614 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 95 Resp: 120234
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.8
 176 89.2 0.0 181.4

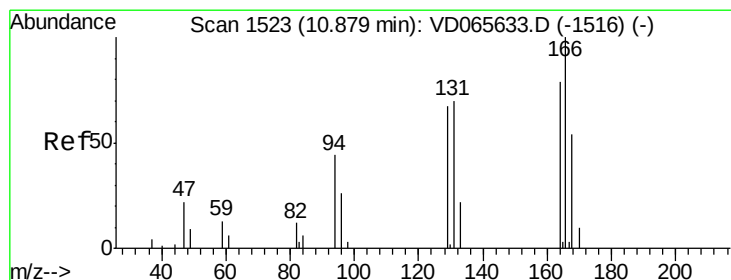
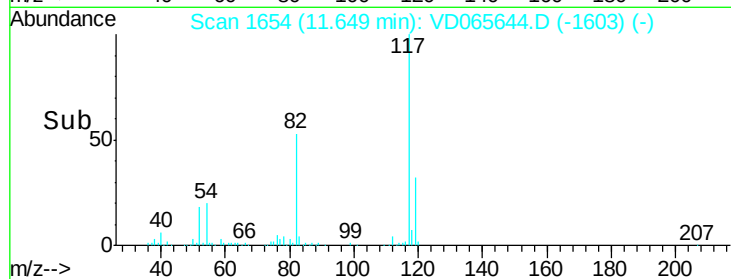
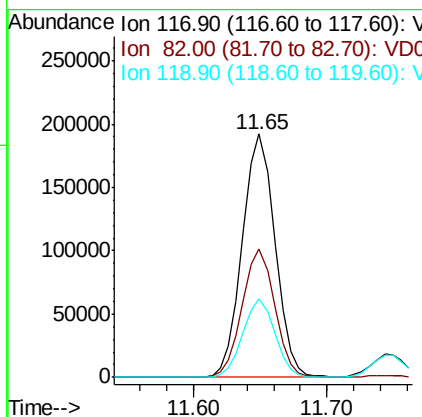
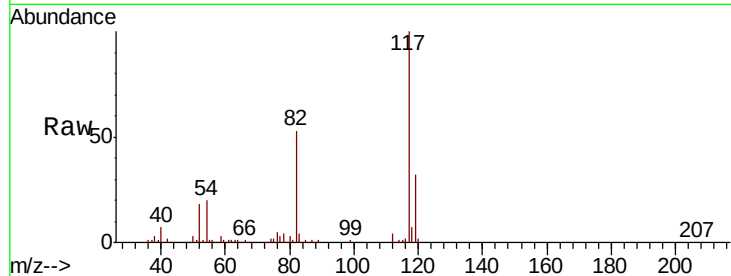




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

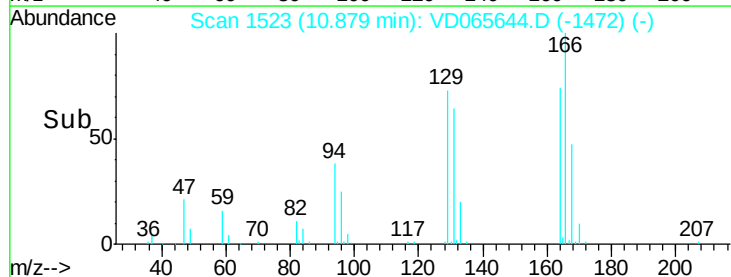
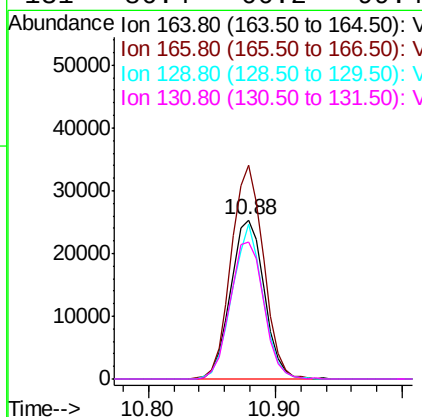
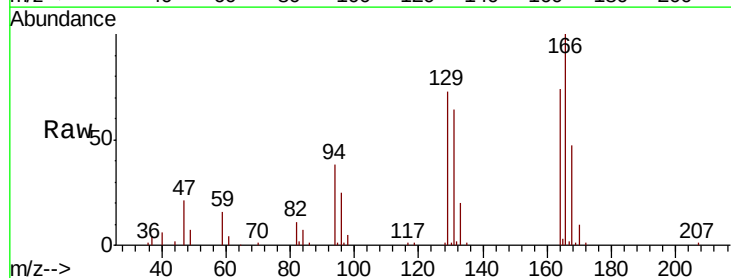
Instrument :
MSVOA_D
ClientSampleId :

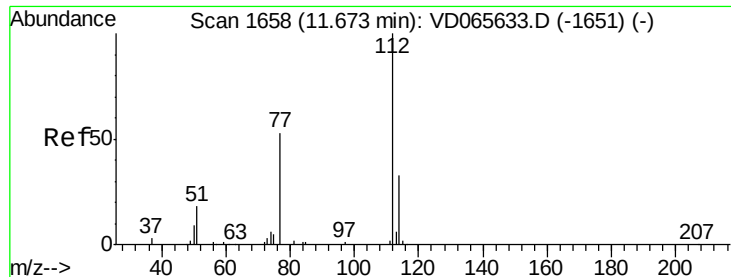
Tot Ion:117 Resp: 327332
Ion Ratio Lower Upper
117 100
82 52.8 43.2 64.8
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion:164 Resp: 46255
Ion Ratio Lower Upper
164 100
166 134.4 102.3 153.5
129 97.6 71.7 107.5
131 86.4 66.2 99.4

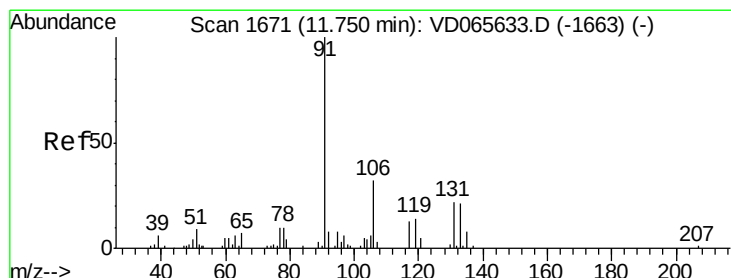
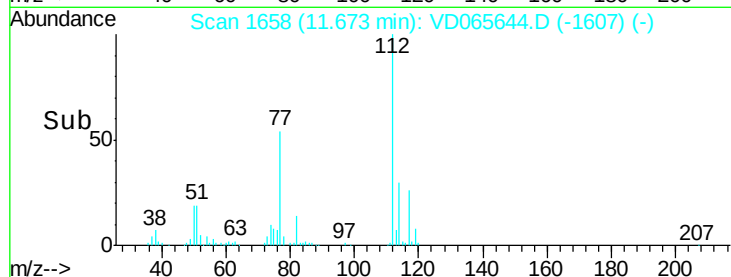
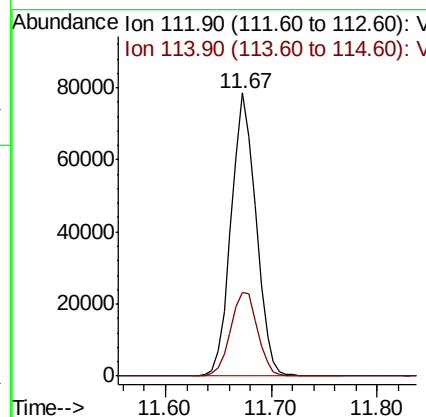
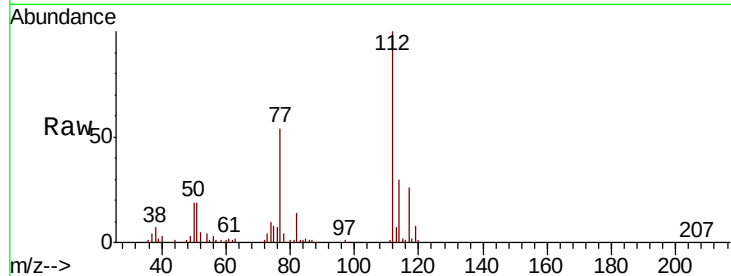




#65
Chlorobenzene
Concen: 19.756 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

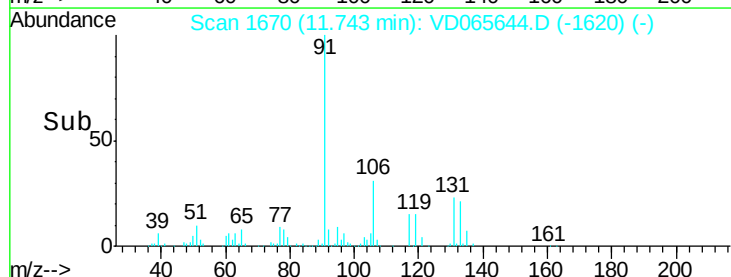
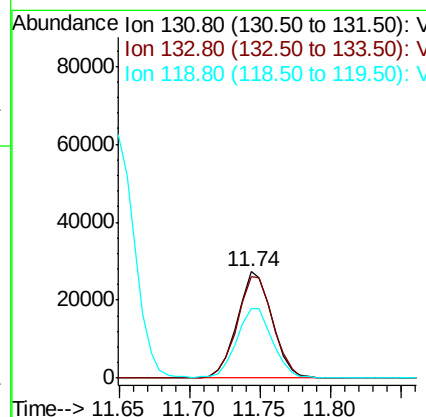
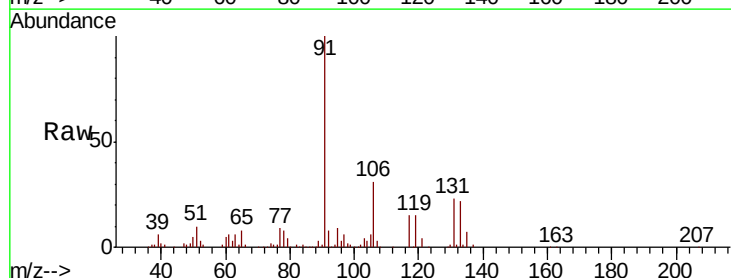
Instrument :
MSVOA_D
ClientSampleId :

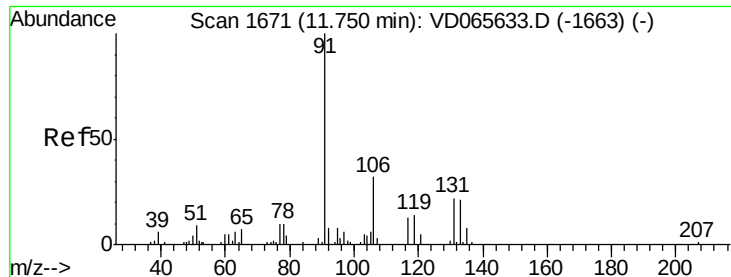
Tot Ion:112 Resp: 128037
Ion Ratio Lower Upper
112 100
114 29.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.981 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion:131 Resp: 47032
Ion Ratio Lower Upper
131 100
133 98.5 47.7 143.1
119 67.3 32.6 97.7





#67

Ethyl Benzene

Concen: 19.468 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

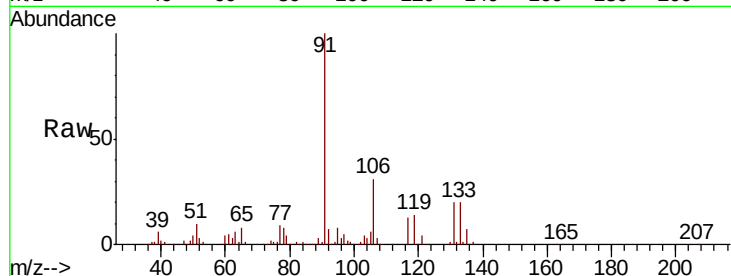
ClientSampled :

Tot Ion: 91 Resp: 215621

Ion Ratio Lower Upper

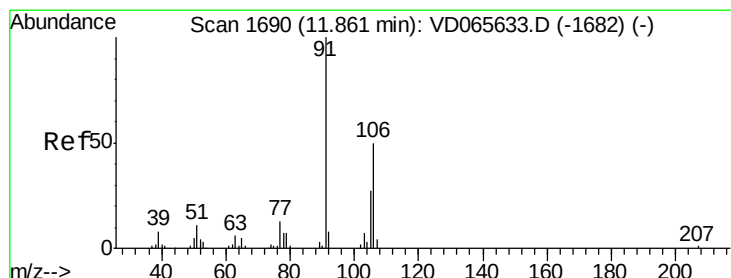
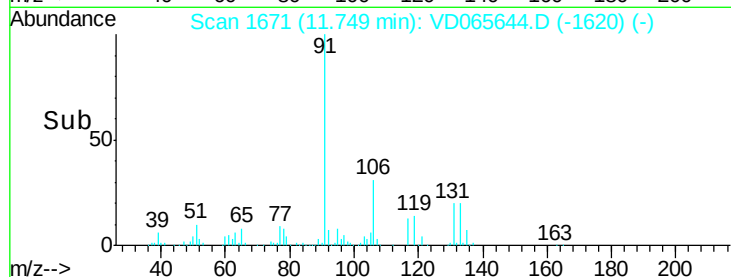
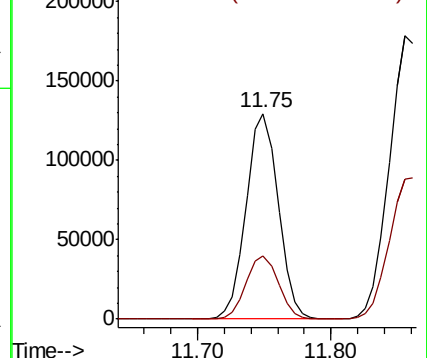
91 100

106 31.0 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: 40.002 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065644.D

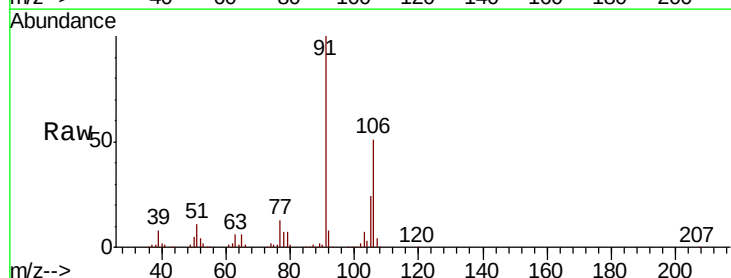
Acq: 17 Apr 2020 15:00

Tgt Ion: 106 Resp: 171167

Ion Ratio Lower Upper

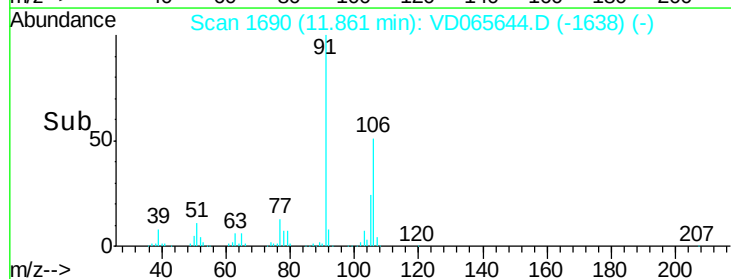
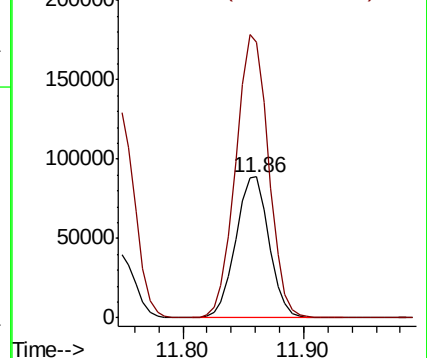
106 100

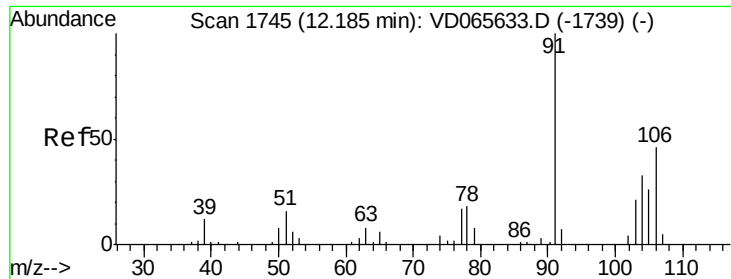
91 198.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

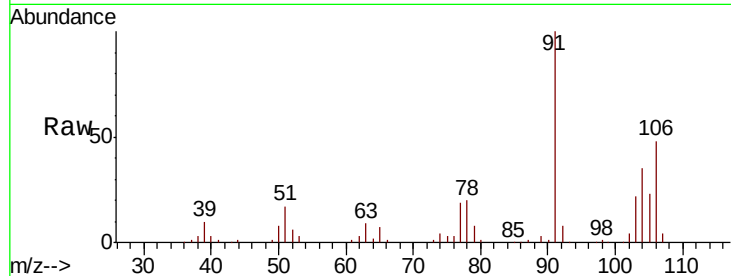




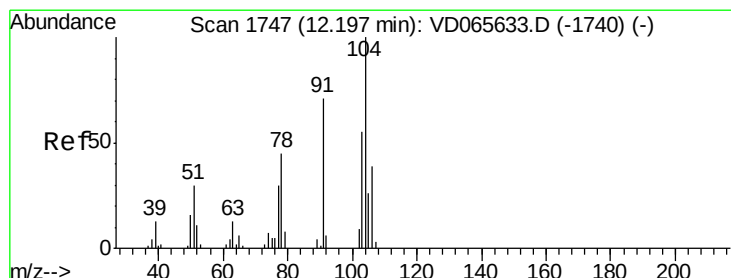
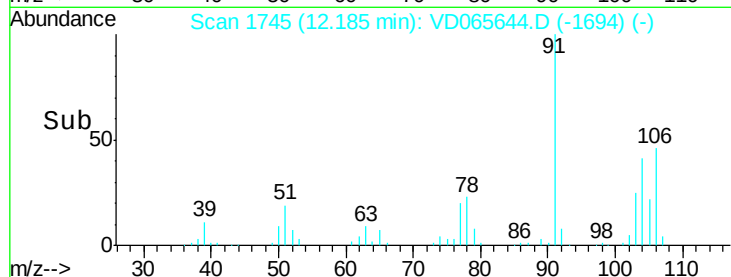
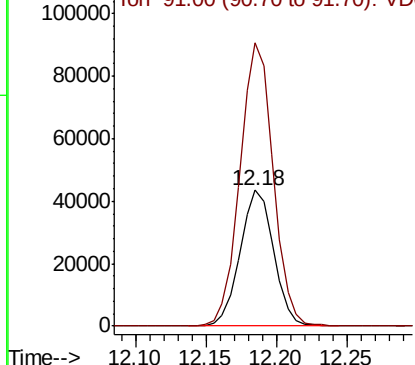
#69
o-Xylene
Concen: 19.278 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 72380
Ion Ratio Lower Upper
106 100
91 206.7 103.6 310.9

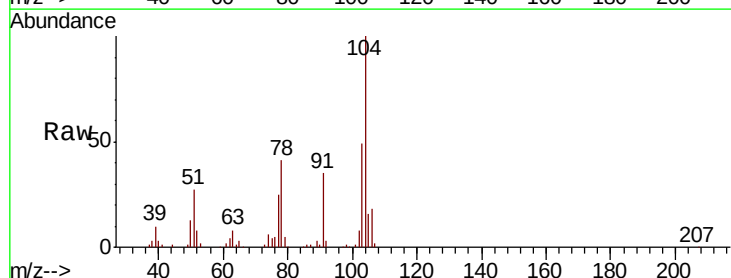


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

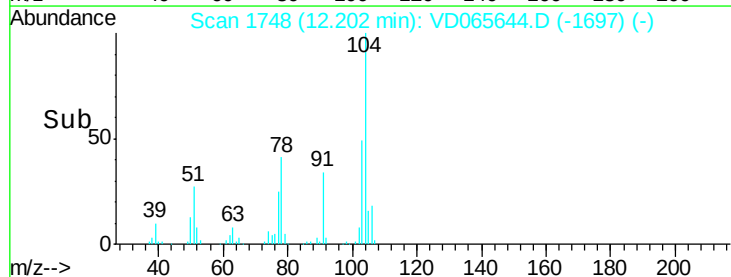
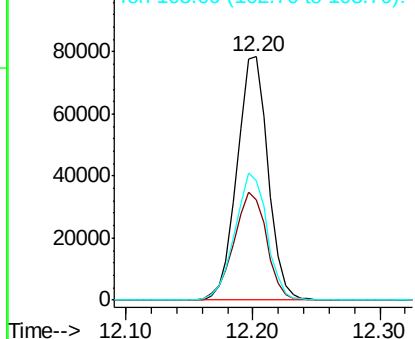


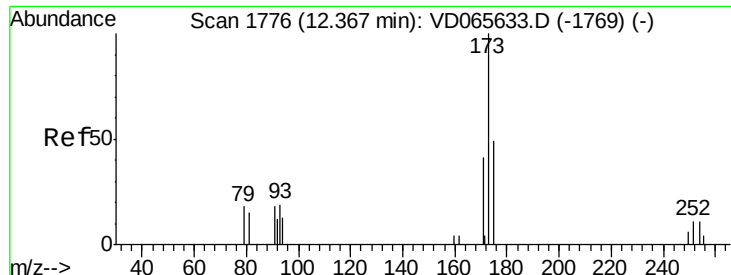
#70
Styrene
Concen: 20.008 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion:104 Resp: 132964
Ion Ratio Lower Upper
104 100
78 46.8 37.5 56.3
103 54.4 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

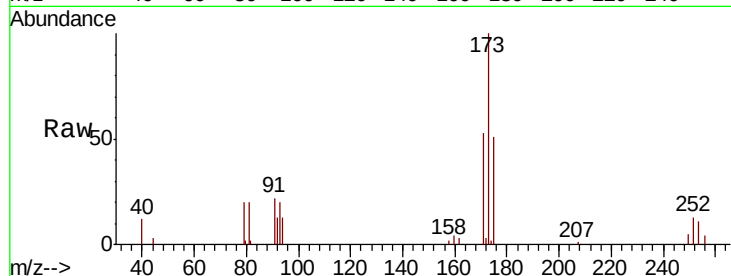




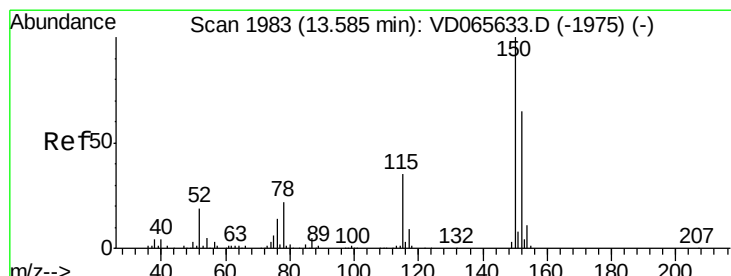
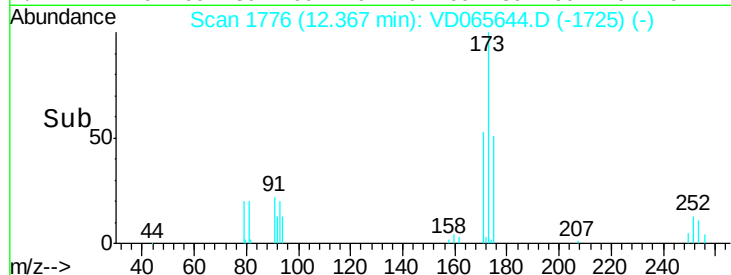
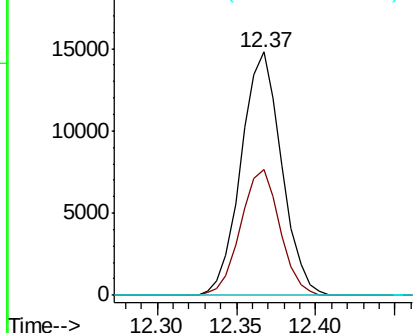
#71
Bromoform
Concen: 18.835 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 26219
Ion Ratio Lower Upper
173 100
175 50.0 25.1 75.2
254 0.0 0.0 0.0

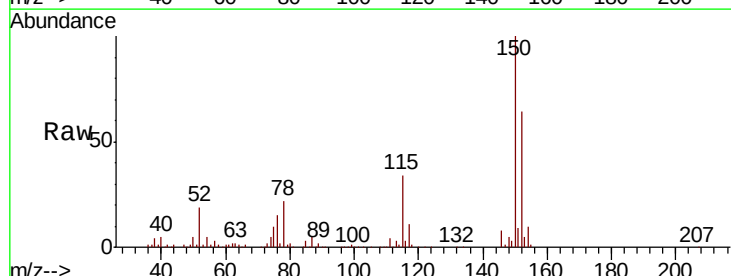


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

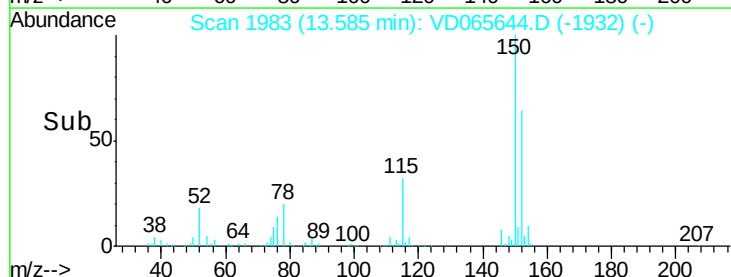
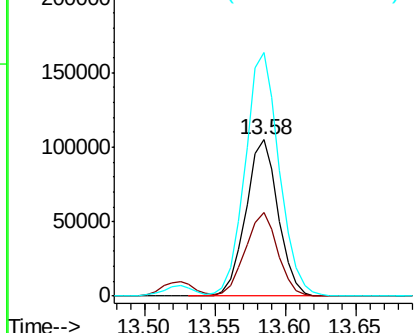


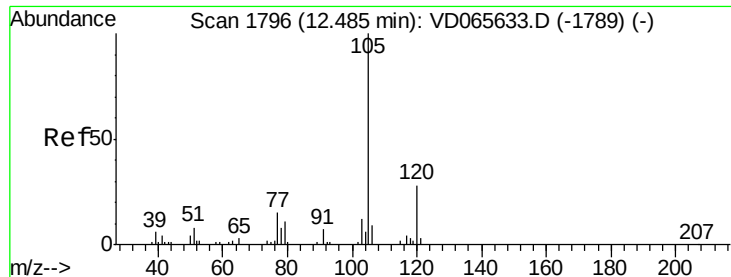
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion:152 Resp: 168586
Ion Ratio Lower Upper
152 100
115 53.7 27.6 82.7
150 164.4 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: 19.974 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

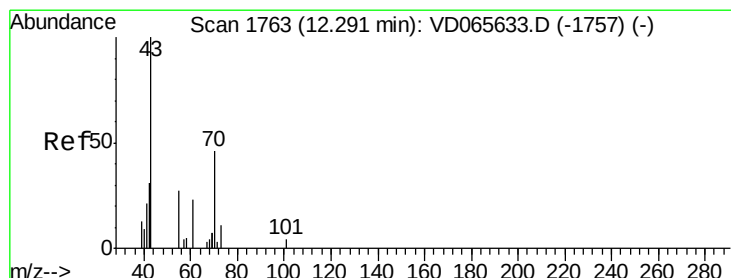
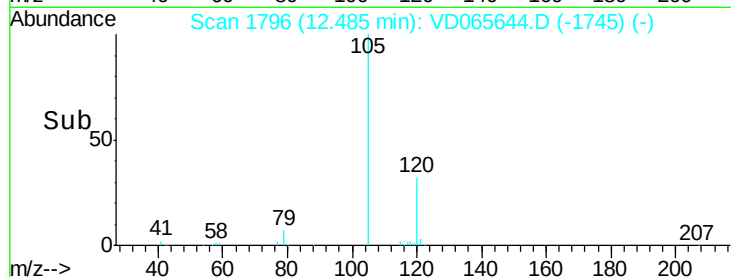
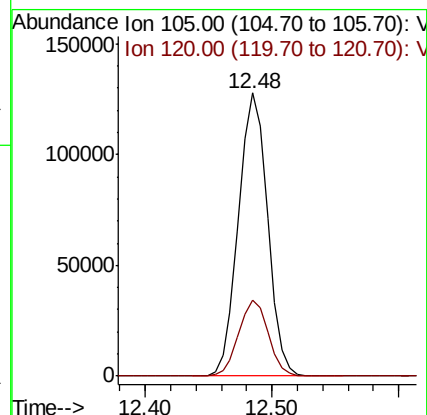
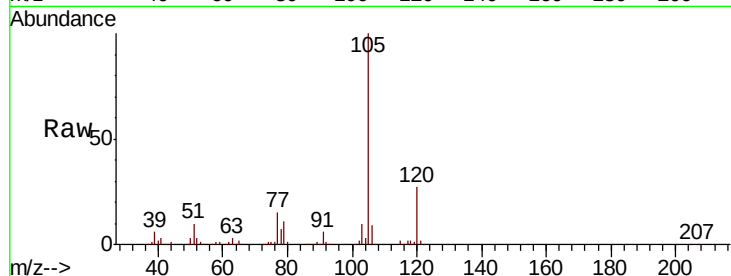
ClientSampleId :

Tot Ion:105 Resp: 203096

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#74

N-ethyl acetate

Concen: 18.365 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion: 43 Resp: 39268

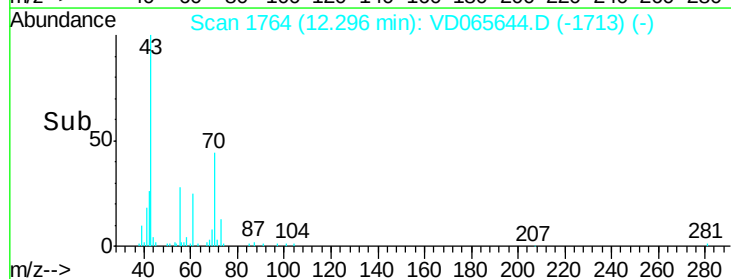
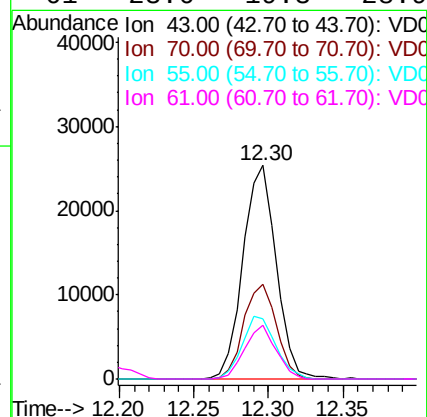
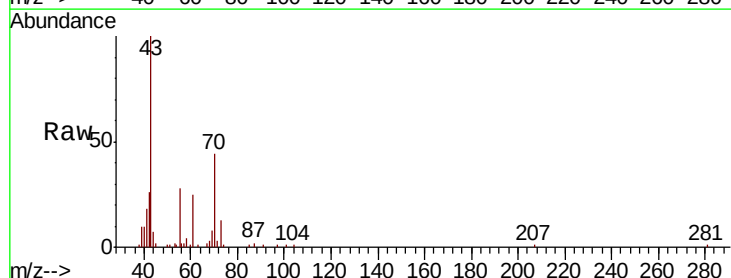
Ion Ratio Lower Upper

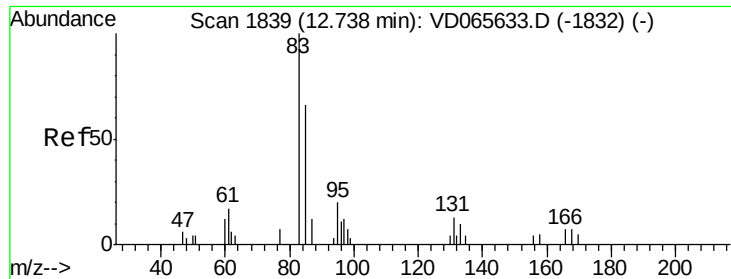
43 100

70 43.9 35.4 53.0

55 29.7 22.2 33.2

61 23.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.848 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampled :

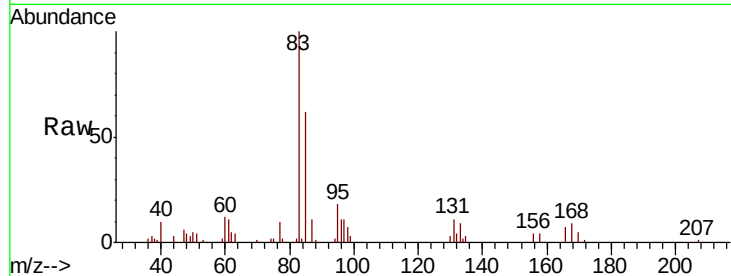
Tot Ion: 83 Resp: 34797

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.0

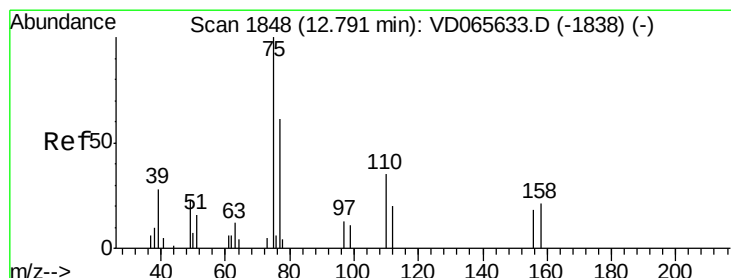
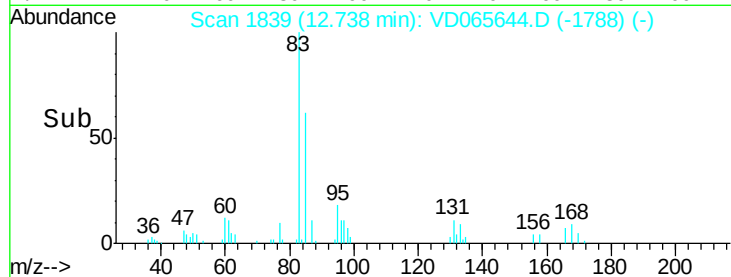
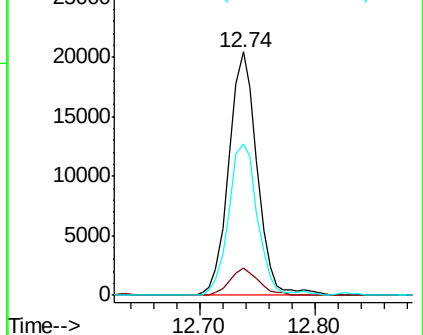
85 62.7 32.5 97.4



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: 33.708 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065644.D

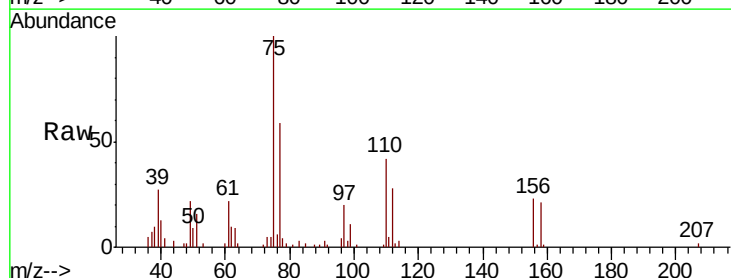
Acq: 17 Apr 2020 15:00

Tgt Ion: 75 Resp: 45690

Ion Ratio Lower Upper

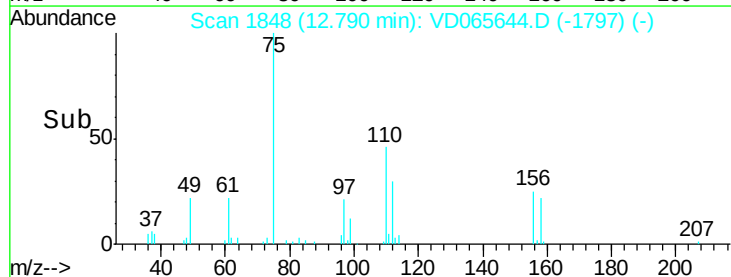
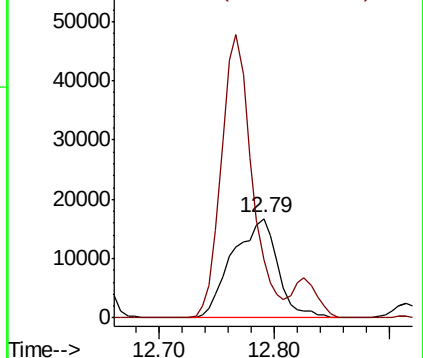
75 100

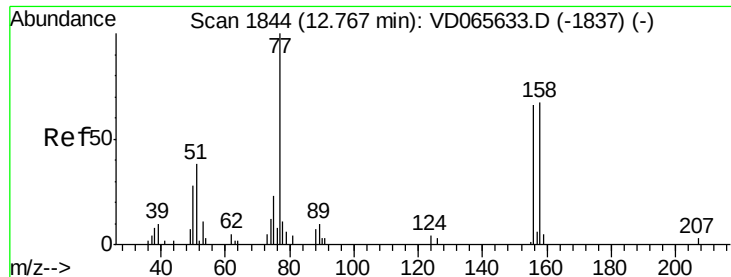
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.495 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampled :

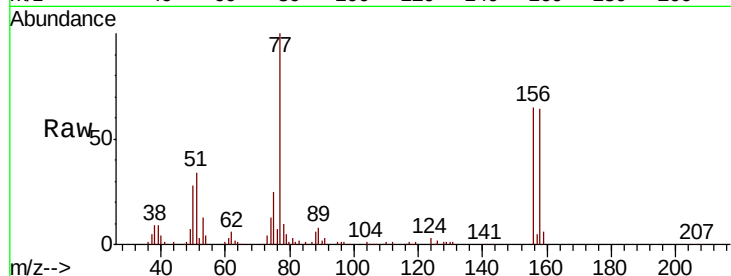
Tot Ion:156 Resp: 52639

Ion Ratio Lower Upper

156 100

77 168.7 84.7 254.1

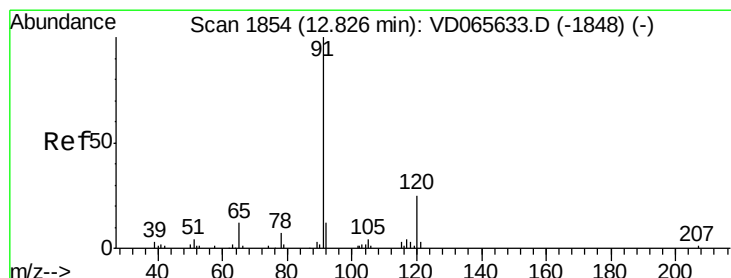
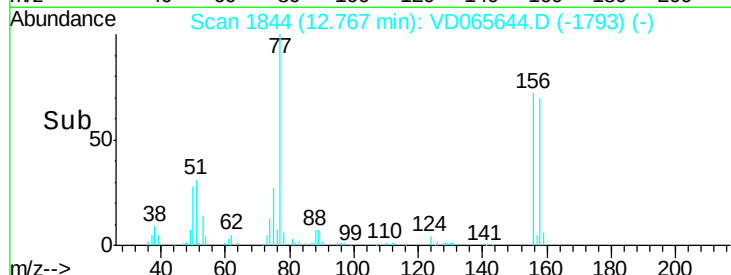
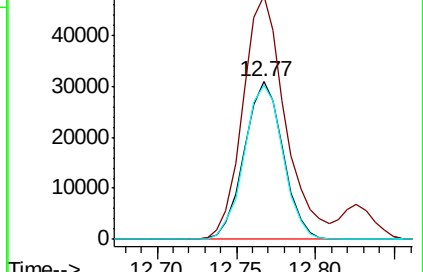
158 97.6 48.5 145.5



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: 20.387 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065644.D

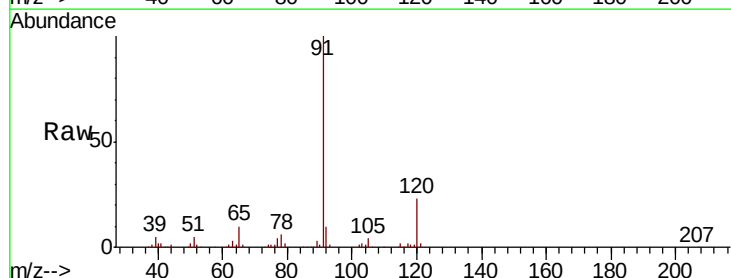
Acq: 17 Apr 2020 15:00

Tgt Ion: 91 Resp: 250770

Ion Ratio Lower Upper

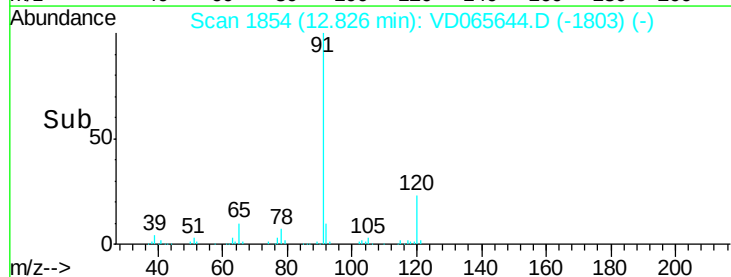
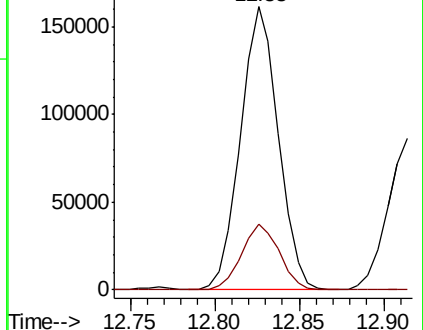
91 100

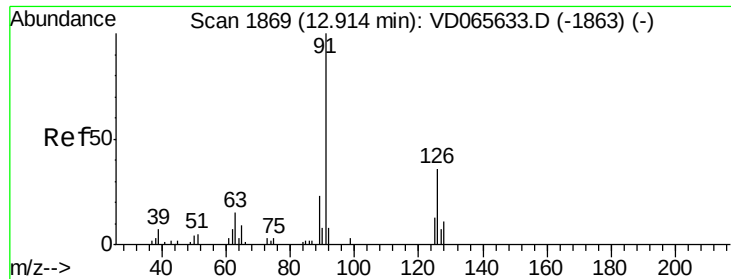
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.264 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

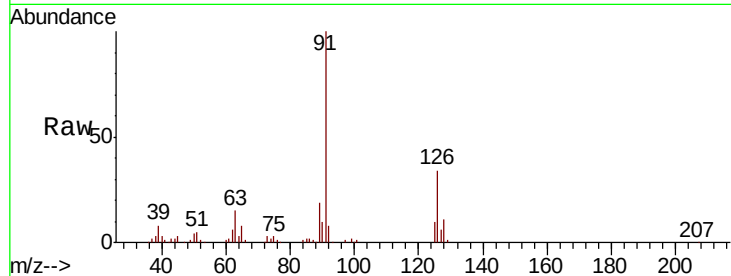
ClientSampleId :

Tot Ion: 91 Resp: 141547

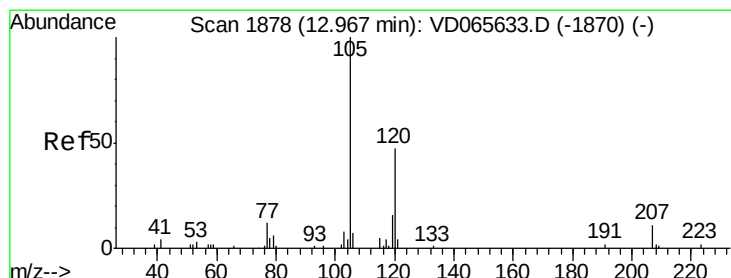
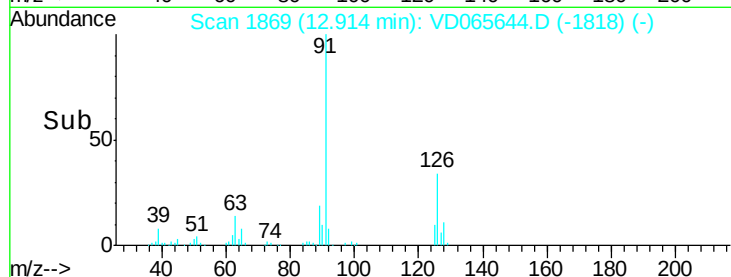
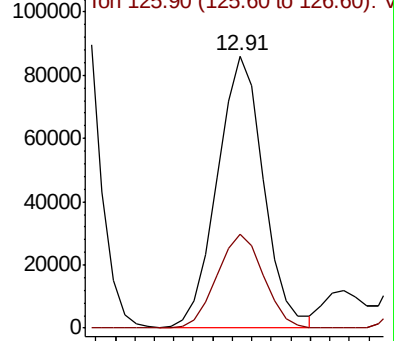
Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VD065633.D (-1863) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.232 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065644.D

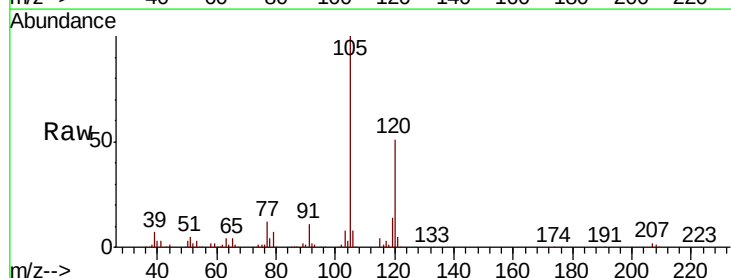
Acq: 17 Apr 2020 15:00

Tgt Ion:105 Resp: 173605

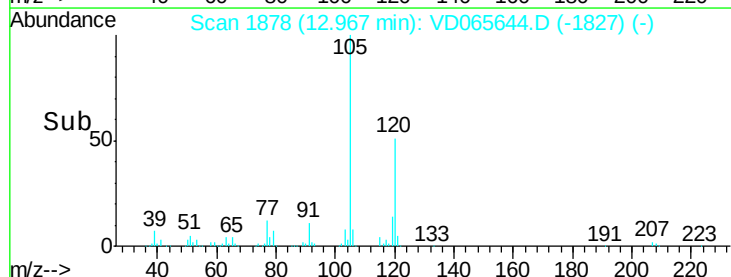
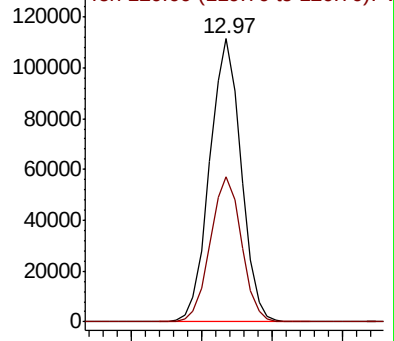
Ion Ratio Lower Upper

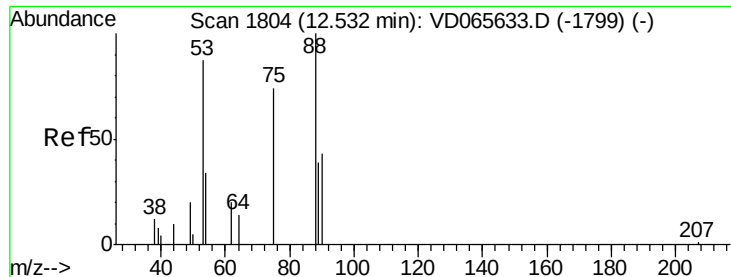
105 100

120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065633.D (-1870) (-)

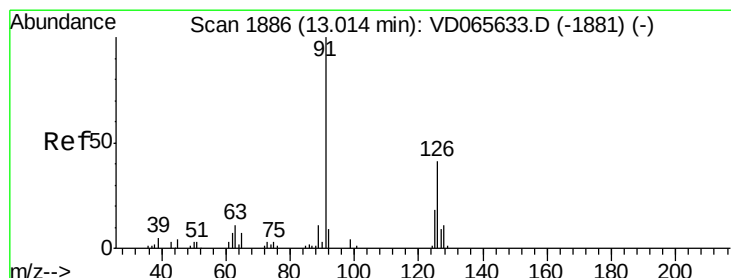
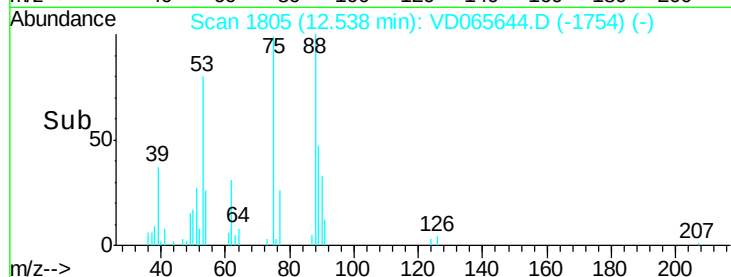
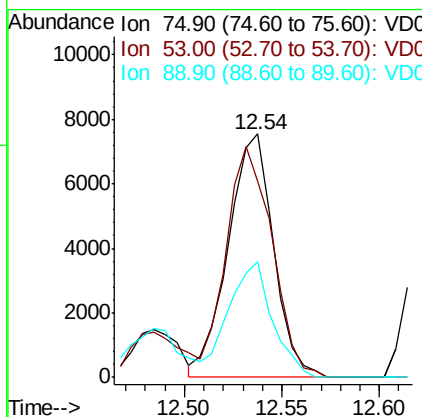
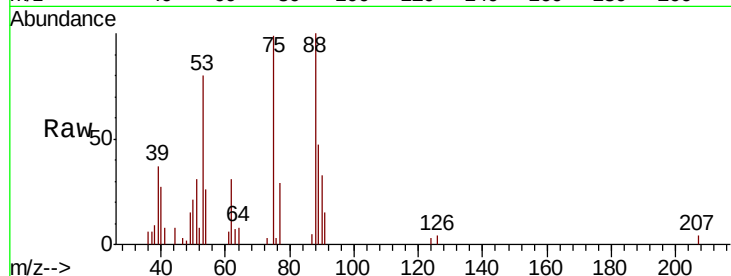




#81
trans-1,4-Dichloro-2-butene
Concen: 19.664 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

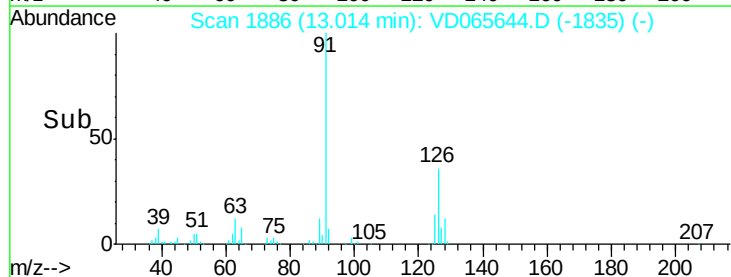
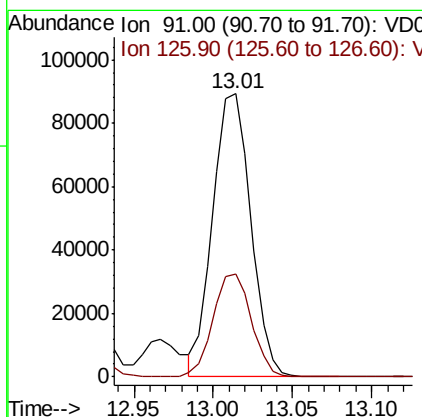
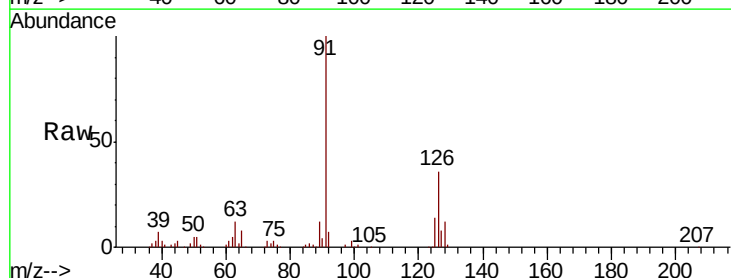
Instrument :
MSVOA_D
ClientSampleId :

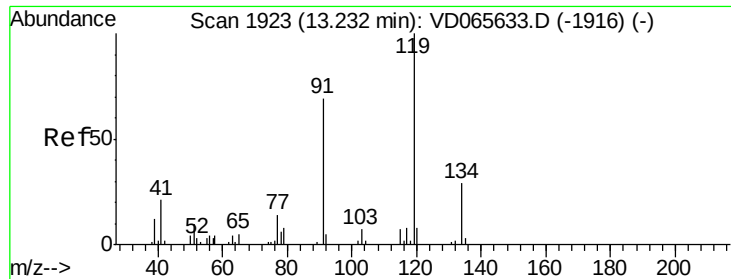
Tot Ion: 75 Resp: 12162
Ion Ratio Lower Upper
75 100
53 95.8 76.8 115.2
89 45.9 36.1 54.1



#82
4-Chlorotoluene
Concen: 19.913 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 91 Resp: 149684
Ion Ratio Lower Upper
91 100
126 36.4 17.5 52.6

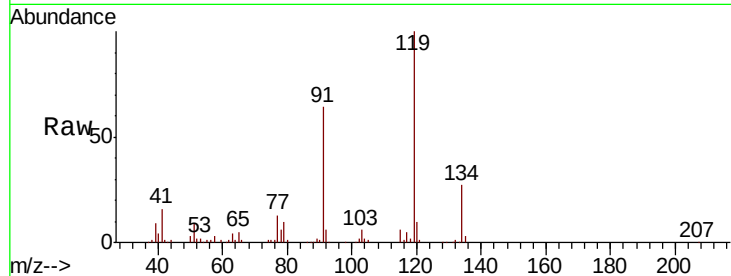




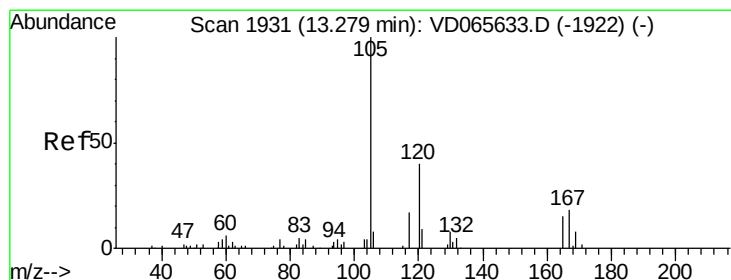
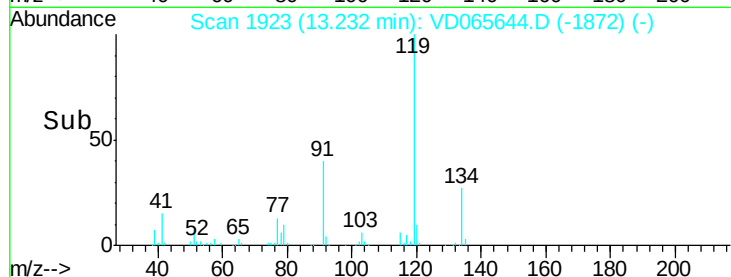
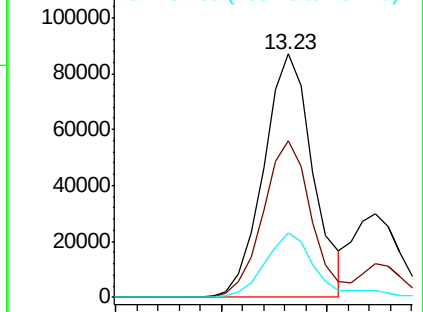
#83
 tert-Butylbenzene
 Concen: 19.653 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 141397
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.7 95.1
 134 27.8 14.0 41.9

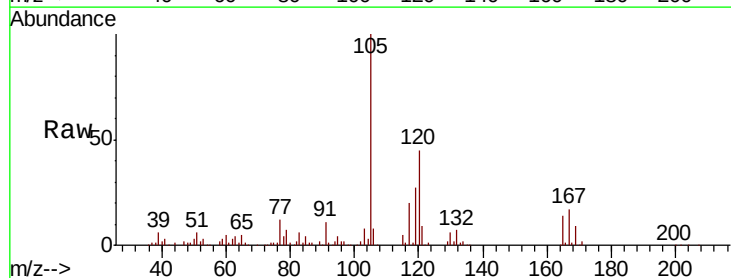


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

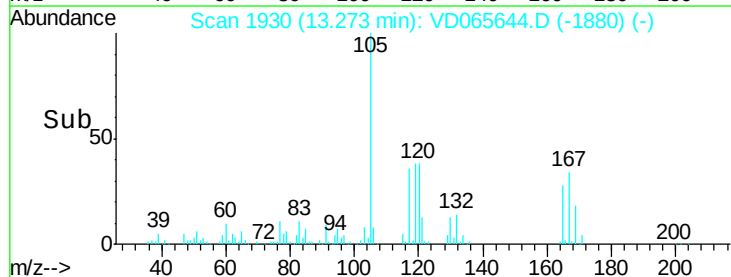
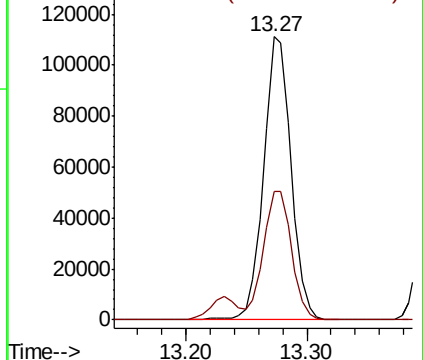


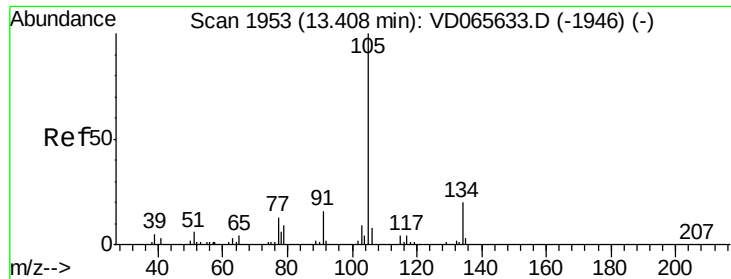
#84
 1,2,4-Trimethylbenzene
 Concen: 20.569 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion:105 Resp: 175957
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.391 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

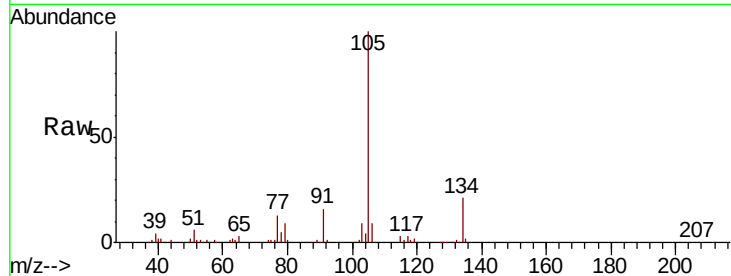
ClientSampleID :

Tot Ion:105 Resp: 199594

Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

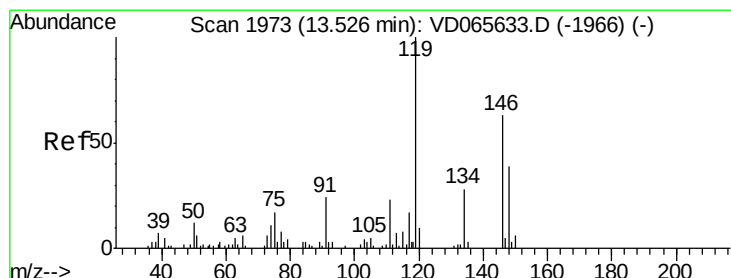
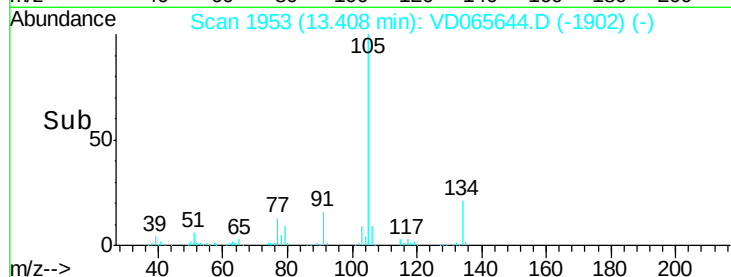
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.933 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

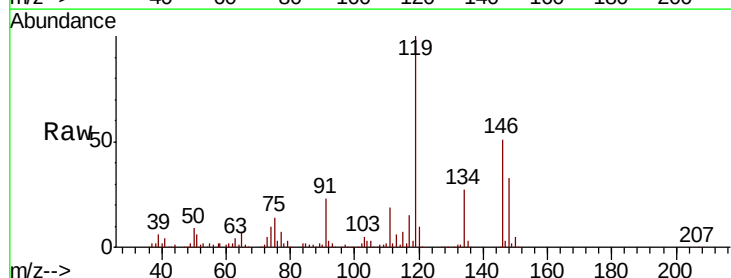
Tgt Ion:119 Resp: 192547

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.8 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

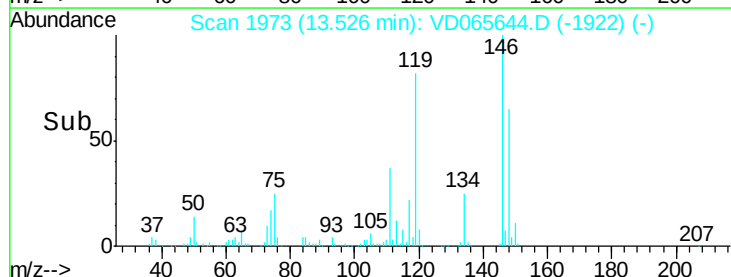
150000

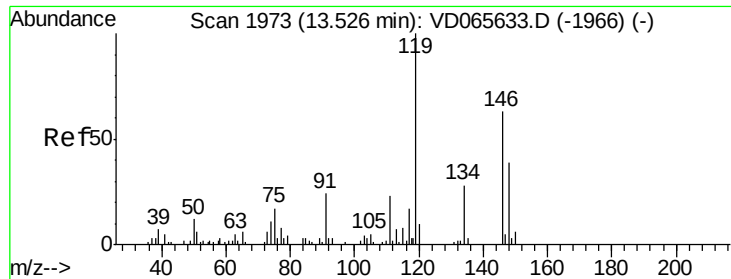
100000

50000

0

Time-->

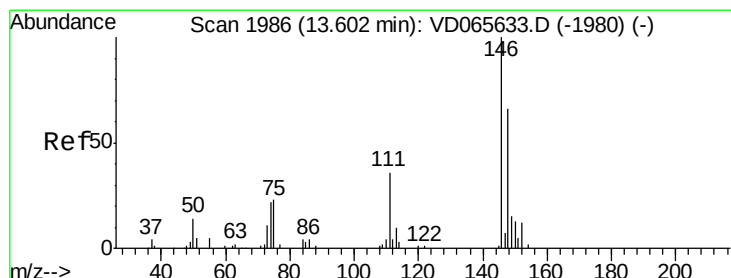
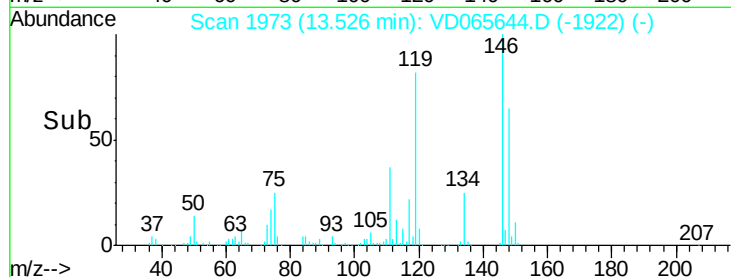
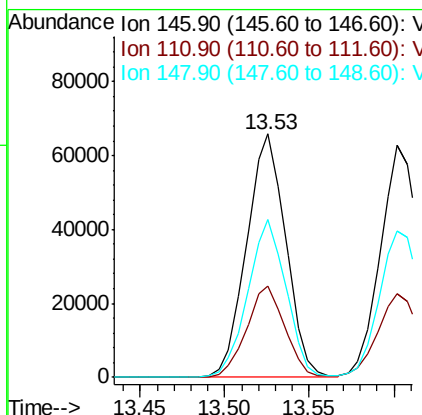
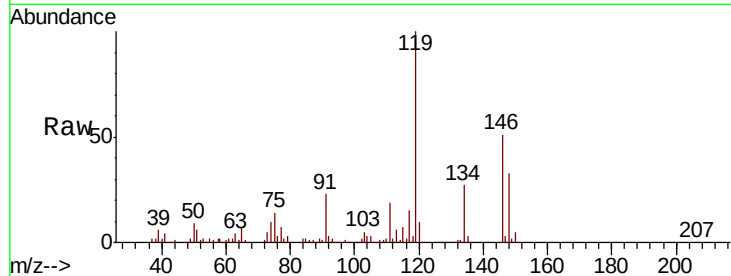




#87
 1,3-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

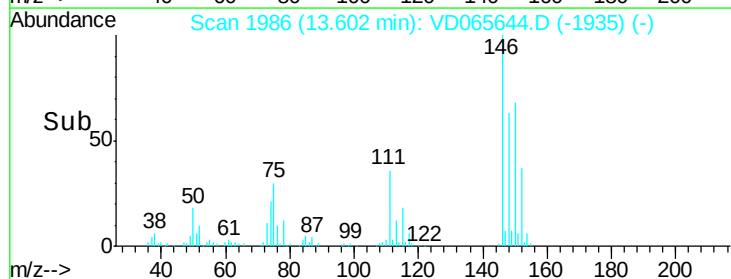
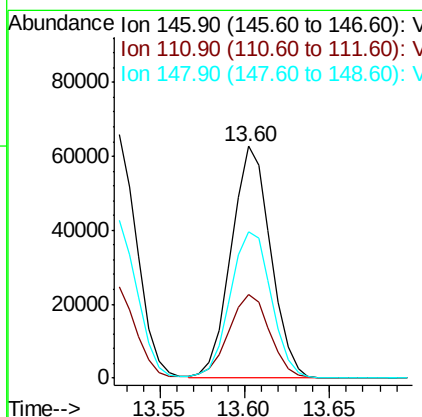
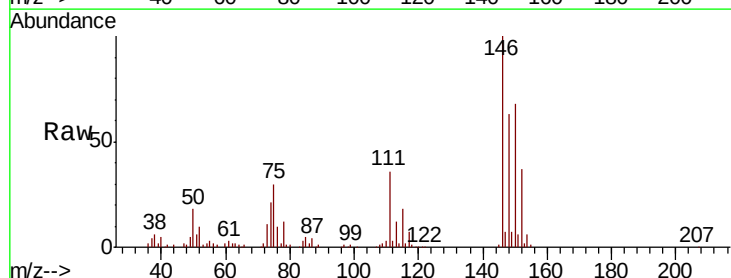
Instrument :
 MSVOA_D
 ClientSampleId :

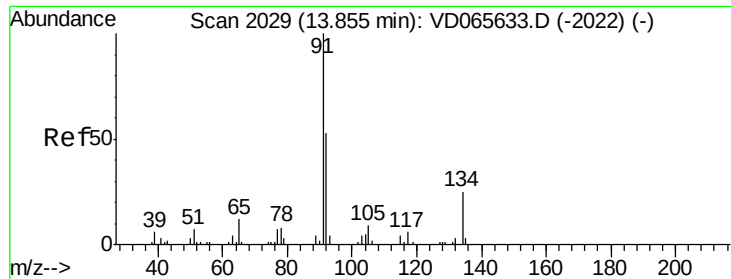
Tot Ion:146 Resp: 106199
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.6
 148 63.5 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.453 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion:146 Resp: 102365
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.0 54.0
 148 65.7 31.4 94.2

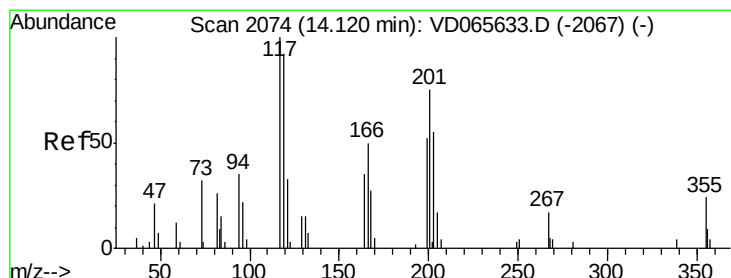
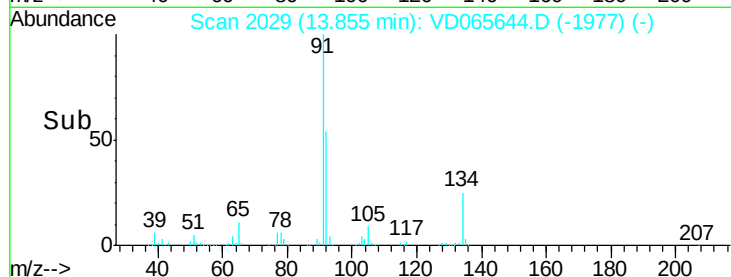
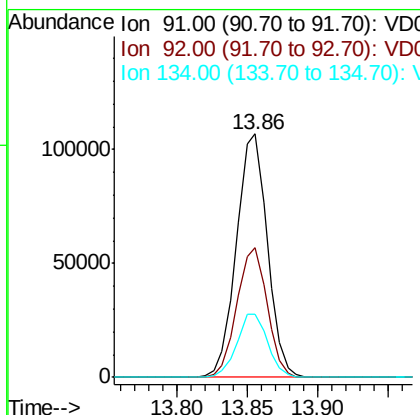
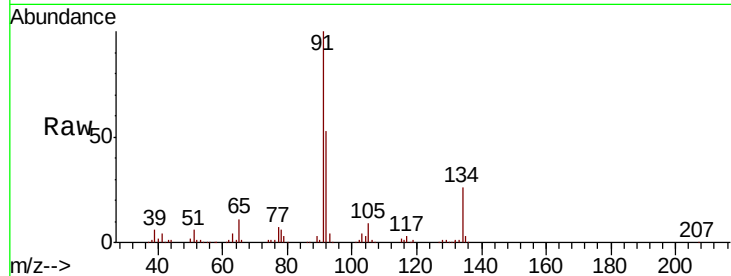




#89
n-Butylbenzene
Concen: 18.642 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

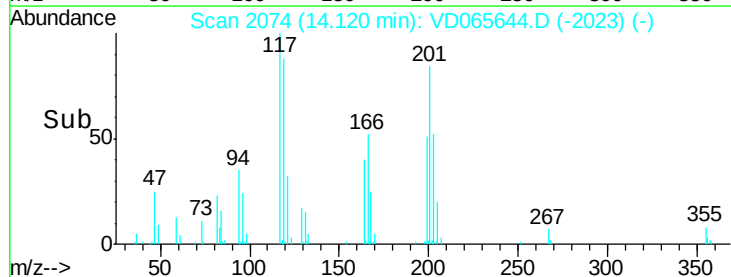
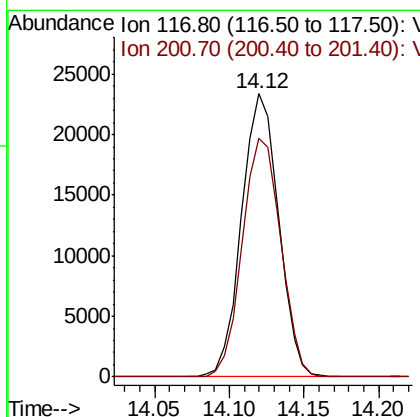
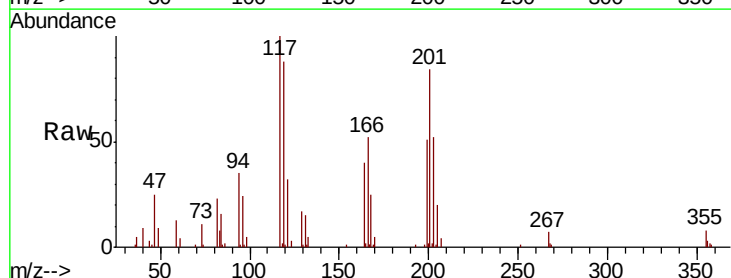
Instrument :
MSVOA_D
ClientSampleId :

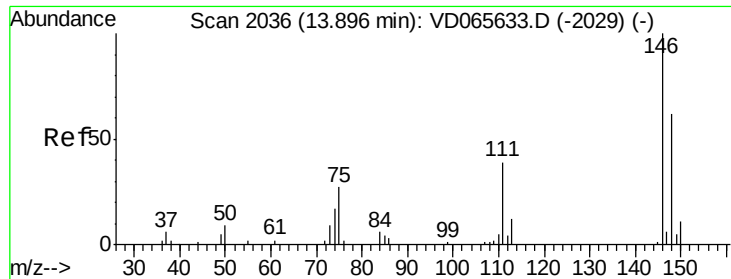
Tot Ion: 91 Resp: 163445
Ion Ratio Lower Upper
91 100
92 52.4 26.9 80.6
134 26.0 13.6 40.8



#90
Hexachloroethane
Concen: 19.822 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 117 Resp: 40156
Ion Ratio Lower Upper
117 100
201 87.3 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 18.451 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

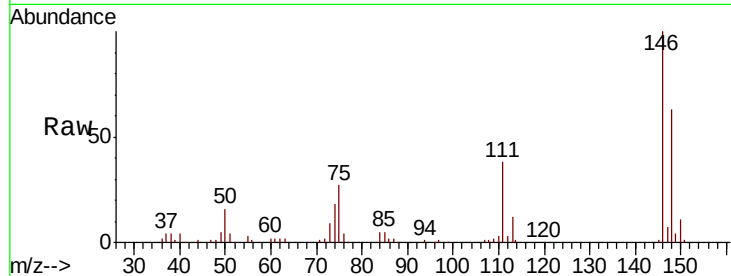
Tot Ion:146 Resp: 83640

Ion Ratio Lower Upper

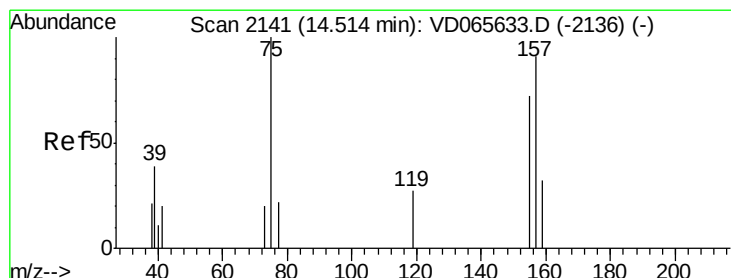
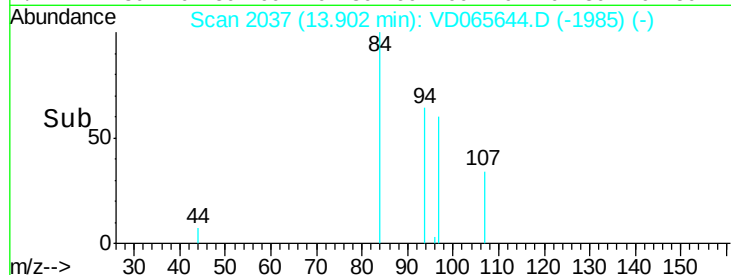
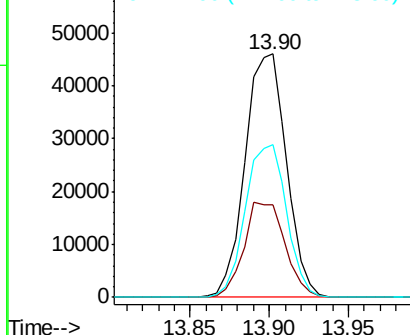
146 100

111 38.9 19.3 57.9

148 62.6 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: 19.541 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

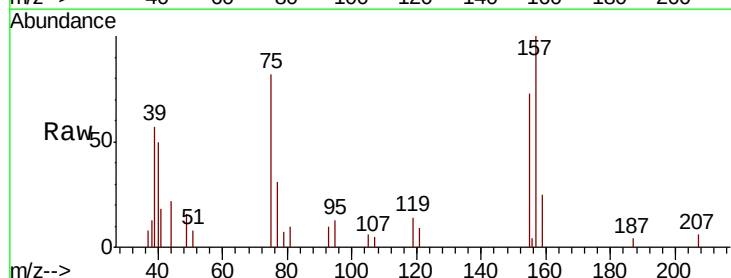
Tgt Ion: 75 Resp: 5456

Ion Ratio Lower Upper

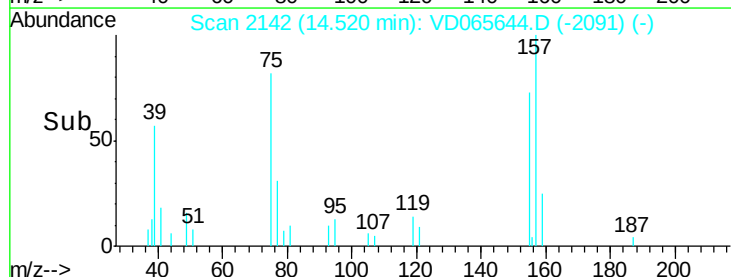
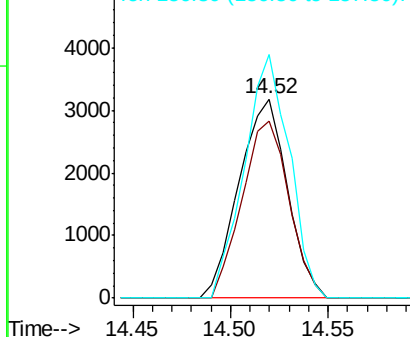
75 100

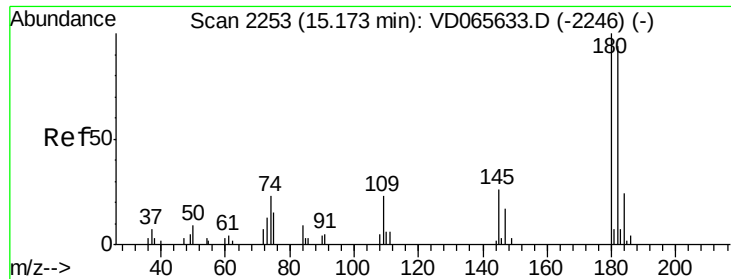
155 86.3 48.0 144.2

157 113.5 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

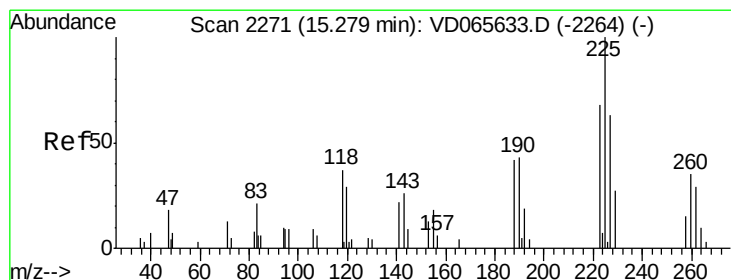
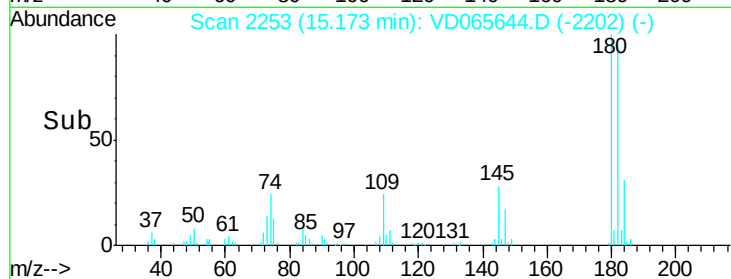
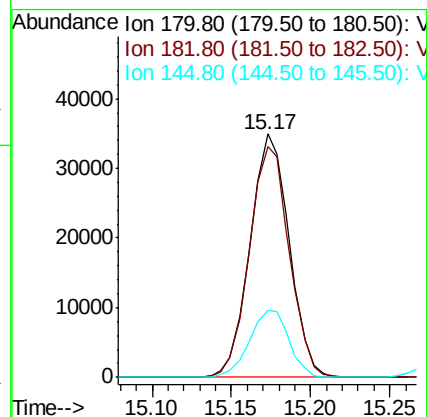
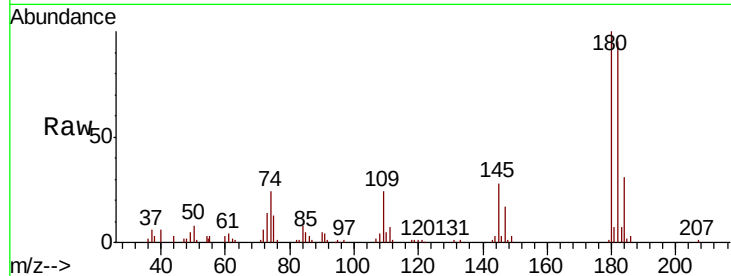




#93
 1,2,4-Trichlorobenzene
 Concen: 19.162 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

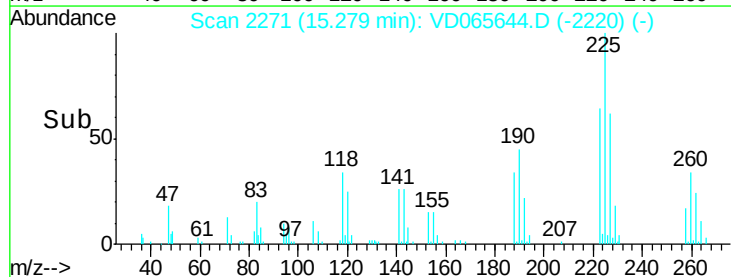
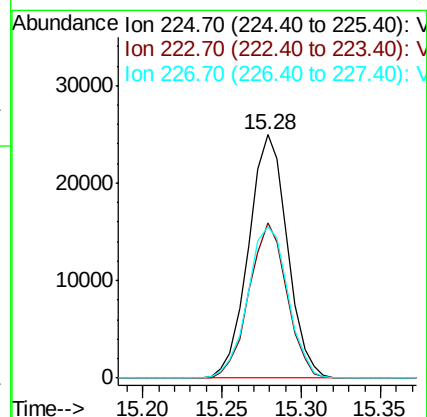
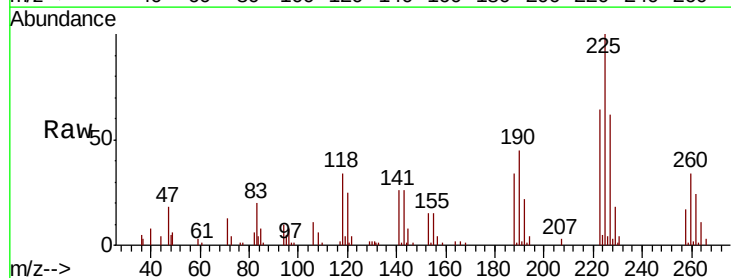
Instrument :
 MSVOA_D
 ClientSampleId :

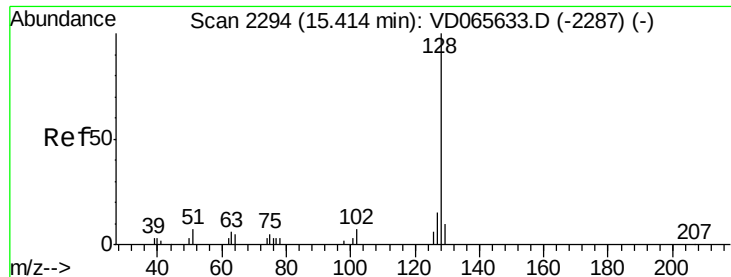
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.9	146.6
145	28.0	13.8	41.3



#94
 Hexachlorobutadiene
 Concen: 19.884 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.5
227	64.6	32.0	96.2

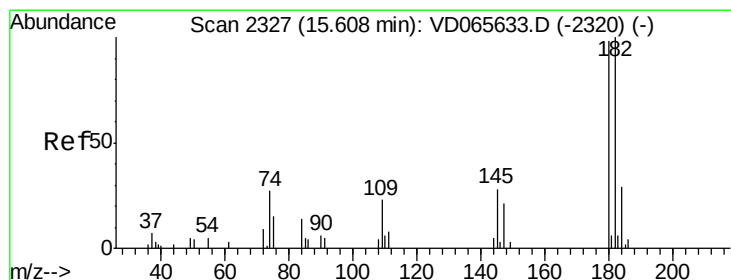
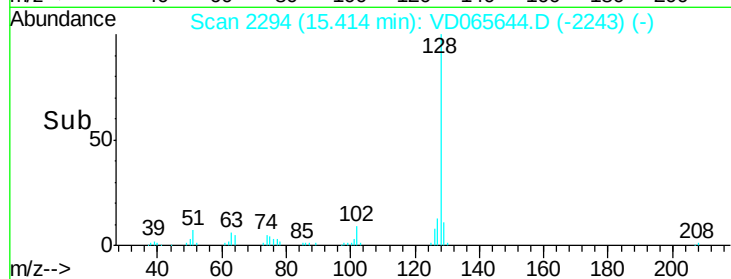
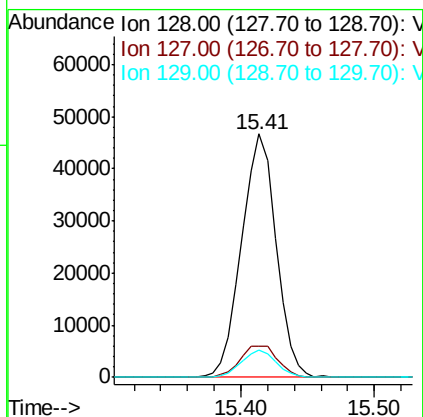
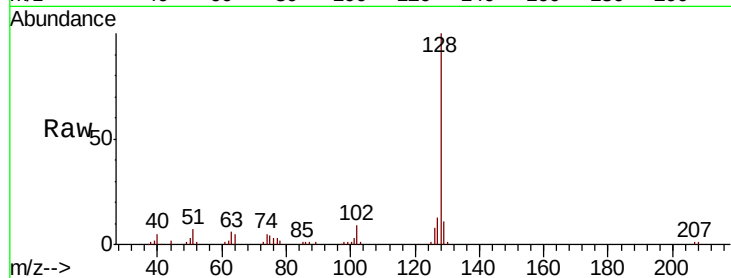




#95
Naphthalene
Concen: 18.451 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	16.0
129	11.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.239 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	30.2	15.0	45.0

