

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065665.D
 Acq On : 22 Apr 2020 14:37
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 03:34:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:30:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	230561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	159847	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	39973	20.52	ug/l	0.00
Spiked Amount			Recovery	=	41.04%	
35) Dibromofluoromethane	7.91	113	40362	20.04	ug/l	0.00
Spiked Amount			Recovery	=	40.08%	
50) Toluene-d8	10.34	98	150346	20.17	ug/l	0.00
Spiked Amount			Recovery	=	40.34%	
62) 4-Bromofluorobenzene	12.64	95	46358	18.88	ug/l	0.00
Spiked Amount			Recovery	=	37.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	32860	17.693	ug/l	97
3) Chloromethane	2.21	50	38347	18.862	ug/l	97
4) Vinyl Chloride	2.35	62	43109	19.454	ug/l	94
5) Bromomethane	2.75	94	27029	22.121	ug/l	100
6) Chloroethane	2.91	64	27676	20.934	ug/l	96
7) Trichlorofluoromethane	3.27	101	64716	20.405	ug/l	97
8) Diethyl Ether	3.71	74	13194	20.448	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31451	21.677	ug/l	98
10) Methyl Iodide	4.29	142	31858	16.267	ug/l	98
11) Tert butyl alcohol	5.24	59	11511	107.309	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	27283	20.912	ug/l	95
13) Acrolein	3.92	56	9240	109.802	ug/l	98
14) Allyl chloride	4.70	41	59712	24.632	ug/l	93
15) Acrylonitrile	5.43	53	44940	109.062	ug/l	98
16) Acetone	4.16	43	29204	105.674	ug/l	95
17) Carbon Disulfide	4.40	76	125774	24.778	ug/l	99
18) Methyl Acetate	4.72	43	23620	26.059	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	78730	20.602	ug/l	98
20) Methylene Chloride	4.96	84	48817	22.437	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	45063	20.448	ug/l	93
22) Diisopropyl ether	6.37	45	124047	21.015	ug/l	97
23) Vinyl Acetate	6.31	43	332856	105.812	ug/l	99
24) 1,1-Dichloroethane	6.27	63	77485	20.594	ug/l	99
25) 2-Butanone	7.22	43	54031	107.221	ug/l	98
26) 2,2-Dichloropropane	7.21	77	66776	20.381	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	45562	19.863	ug/l	99
28) Bromochloromethane	7.55	49	32288	21.020	ug/l	98
29) Tetrahydrofuran	7.57	42	34584	108.242	ug/l	99
30) Chloroform	7.71	83	79588	20.765	ug/l	100
31) Cyclohexane	7.98	56	69242	19.316	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	71529	20.657	ug/l	98
36) 1,1-Dichloropropene	8.11	75	62564	20.452	ug/l	98
37) Ethyl Acetate	7.30	43	25767	21.417	ug/l	98
38) Carbon Tetrachloride	8.10	117	66021	20.232	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	67632	19.150	ug/l	99
40) Benzene	8.35	78	174263	19.901	ug/l	96
41) Methacrylonitrile	7.53	41	9918	15.634	ug/l #	50
42) 1,2-Dichloroethane	8.43	62	50398	21.087	ug/l	100
43) Isopropyl Acetate	8.46	43	44670	20.527	ug/l	97
44) Trichloroethene	9.11	130	49357	20.119	ug/l	95
45) 1,2-Dichloropropane	9.39	63	43864	20.492	ug/l	99
46) Dibromomethane	9.48	93	23258	21.002	ug/l	96
47) Bromodichloromethane	9.67	83	60106	20.438	ug/l	97
48) Methyl methacrylate	9.46	41	21086	20.274	ug/l	98
49) 1,4-Dioxane	9.47	88	5278	432.028	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	120514	109.329	ug/l	98
52) Toluene	10.41	92	110700	20.484	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	54538	20.433	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	66255	20.296	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	33393	21.548	ug/l	97
56) Ethyl methacrylate	10.67	69	33072	19.887	ug/l	98
57) 1,3-Dichloropropane	10.95	76	55310	20.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	91185	103.719	ug/l	100
59) 2-Hexanone	10.99	43	78768	105.319	ug/l	100
60) Dibromochloromethane	11.14	129	43875	21.312	ug/l	100
61) 1,2-Dibromoethane	11.25	107	31885	21.268	ug/l	97
64) Tetrachloroethene	10.88	164	42244	20.173	ug/l	97
65) Chlorobenzene	11.67	112	120673	20.765	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	45479	20.478	ug/l	99
67) Ethyl Benzene	11.75	91	201927	20.334	ug/l	100
68) m/p-Xylenes	11.86	106	161281	41.986	ug/l	99
69) o-Xylene	12.18	106	68413	20.444	ug/l	100
70) Styrene	12.20	104	123676	20.857	ug/l	99
71) Bromoform	12.37	173	27294	21.943	ug/l #	98
73) Isopropylbenzene	12.48	105	184570	19.806	ug/l	100
74) N-amyl acetate	12.30	43	40754	20.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34757	20.604	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	46661	38.702	ug/l #	100
77) Bromobenzene	12.77	156	50561	20.499	ug/l	96
78) n-propylbenzene	12.83	91	228839	20.294	ug/l	99
79) 2-Chlorotoluene	12.91	91	130030	20.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	162237	20.610	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11479	20.333	ug/l	96
82) 4-Chlorotoluene	13.01	91	142522	20.636	ug/l	100
83) tert-Butylbenzene	13.23	119	129933	19.706	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	162233	20.691	ug/l	98
85) sec-Butylbenzene	13.41	105	188798	19.994	ug/l	100
86) p-Isopropyltoluene	13.53	119	176384	19.883	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	100772	20.769	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	98715	20.471	ug/l	97
89) n-Butylbenzene	13.86	91	144111	17.926	ug/l	99
90) Hexachloroethane	14.12	117	37229	19.954	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	81786	19.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5546	21.675	ug/l	90

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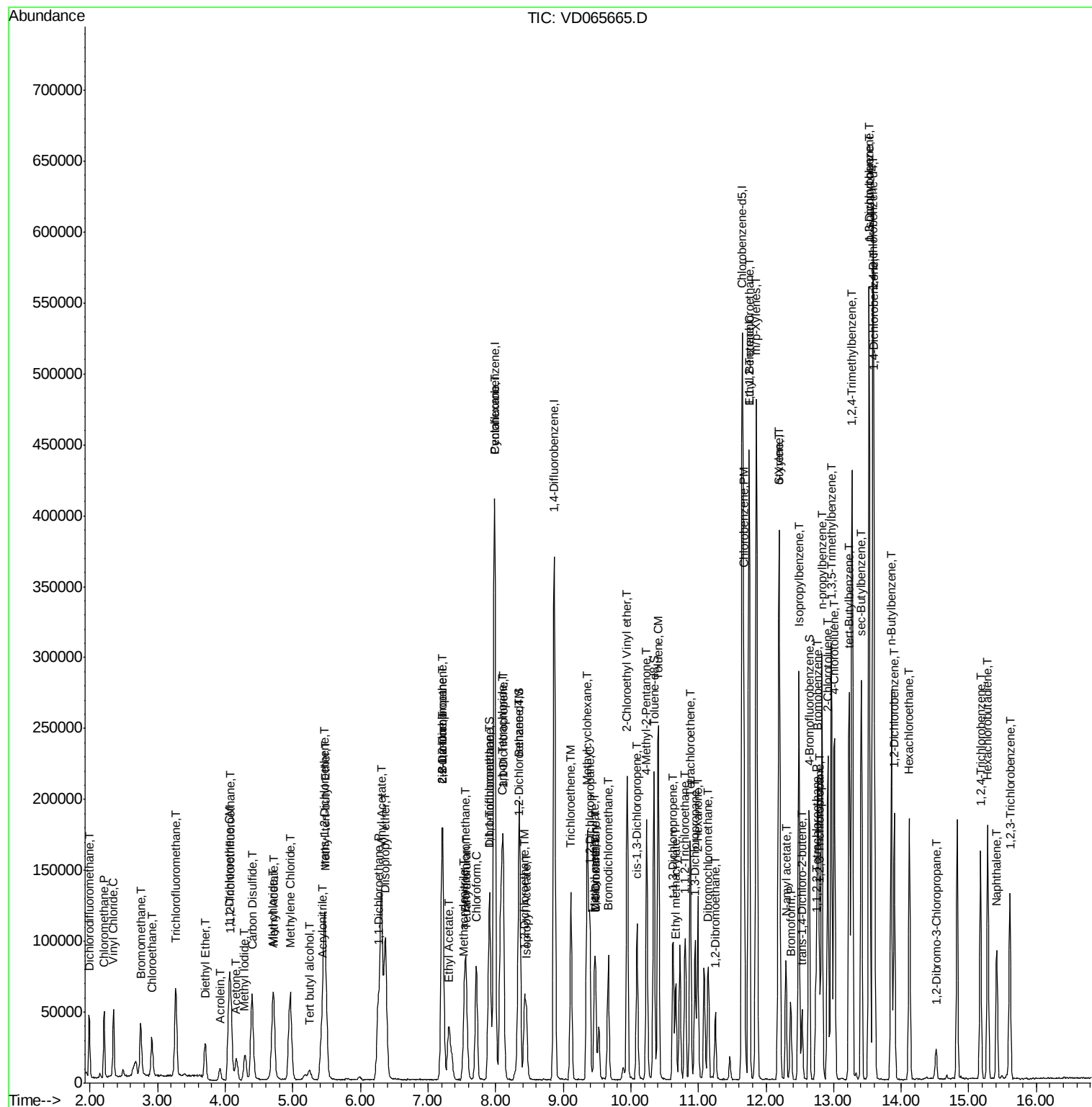
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	56675	19.923	ug/l	99
94) Hexachlorobutadiene	15.28	225	38849	19.820	ug/l	99
95) Naphthalene	15.41	128	82807	19.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	50887	20.345	ug/l	99

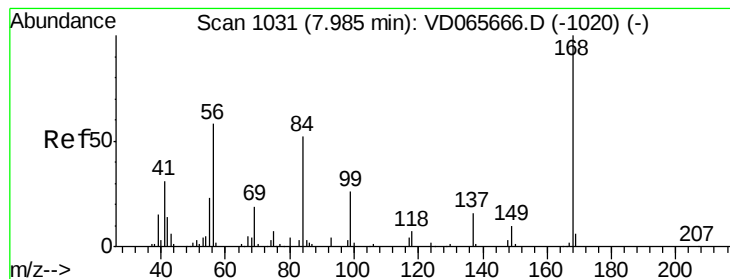
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

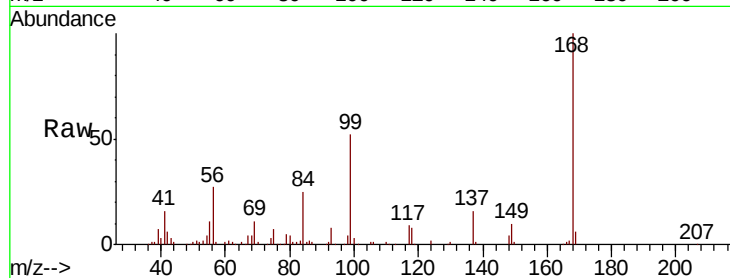
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 230561

Ion Ratio Lower Upper

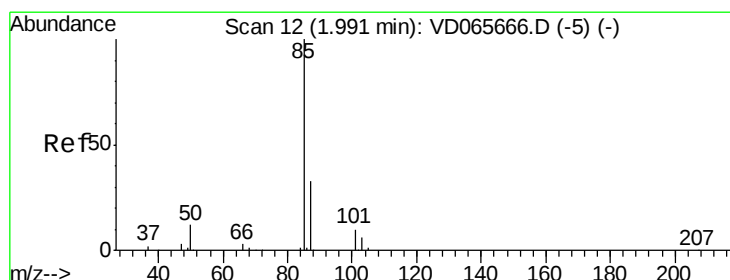
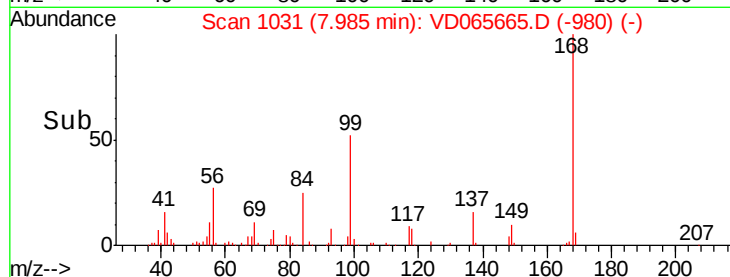
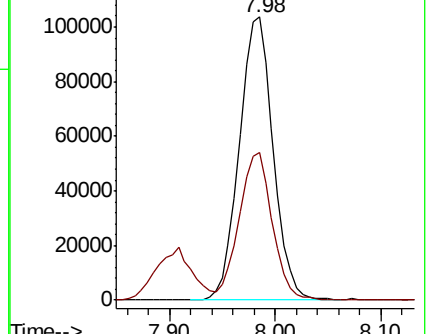
168 100

99 51.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.693 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065665.D

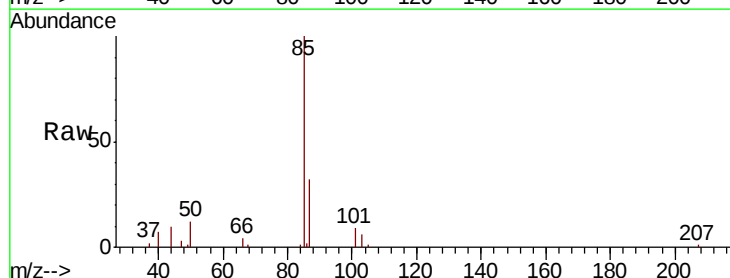
Acq: 22 Apr 2020 14:37

Tgt Ion: 85 Resp: 32860

Ion Ratio Lower Upper

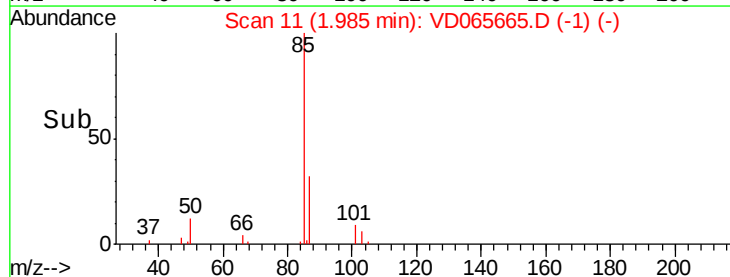
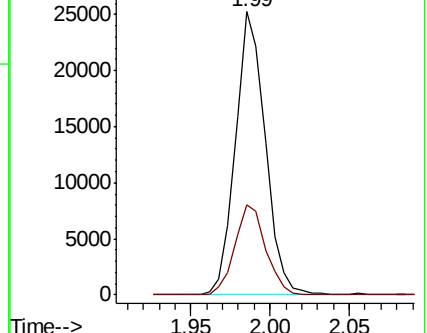
85 100

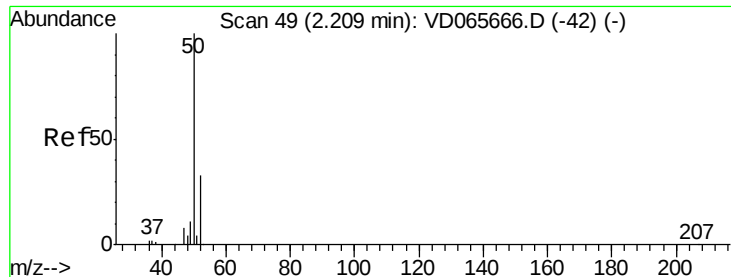
87 31.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.862 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

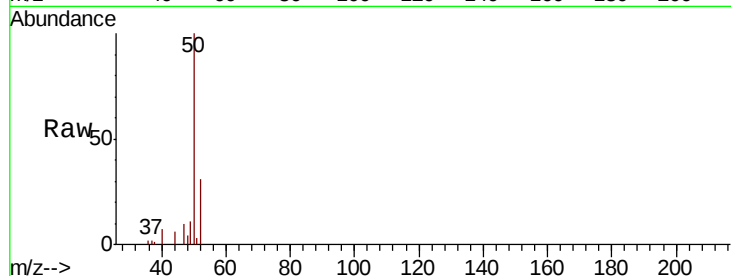
ClientSampleId :

Tot Ion: 50 Resp: 38347

Ion Ratio Lower Upper

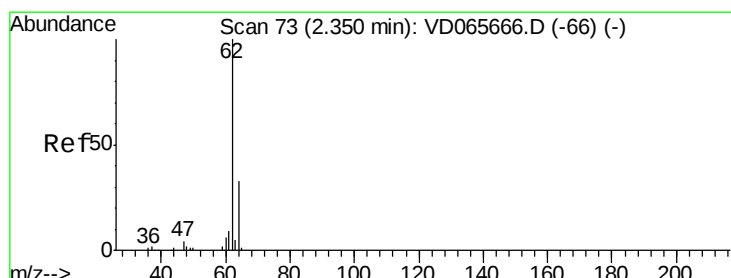
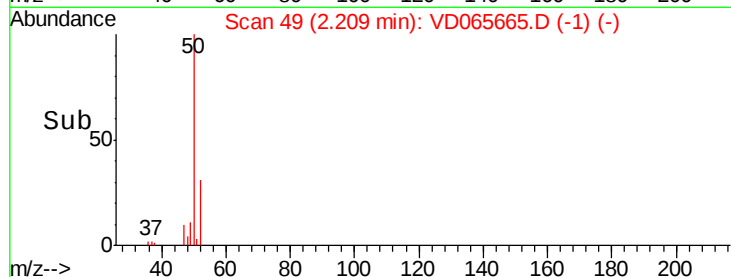
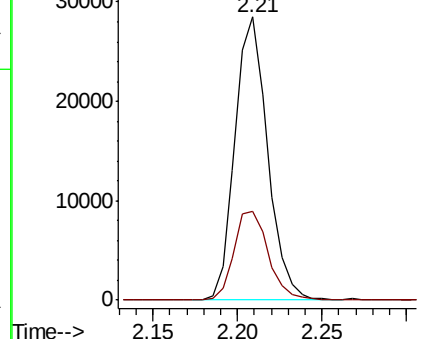
50 100

52 31.4 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.454 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065665.D

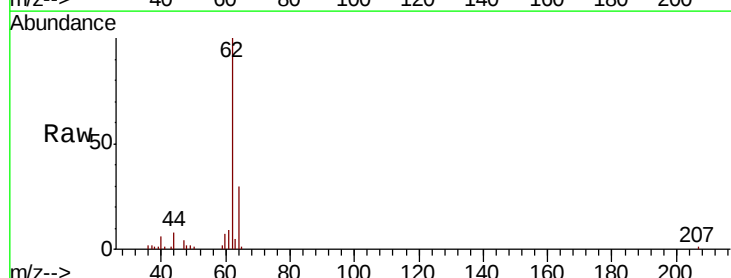
Acq: 22 Apr 2020 14:37

Tgt Ion: 62 Resp: 43109

Ion Ratio Lower Upper

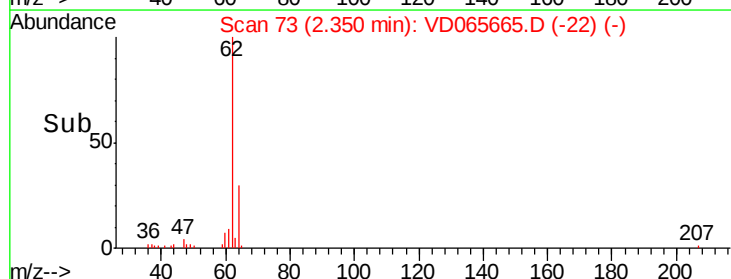
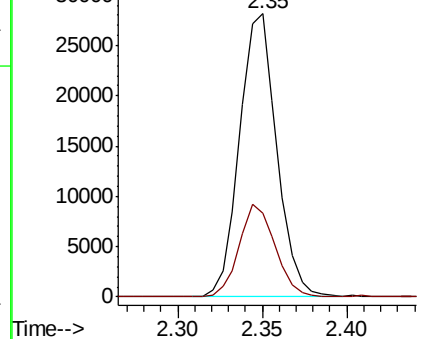
62 100

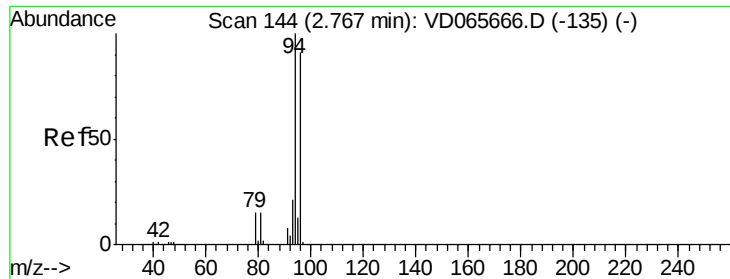
64 29.6 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.121 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

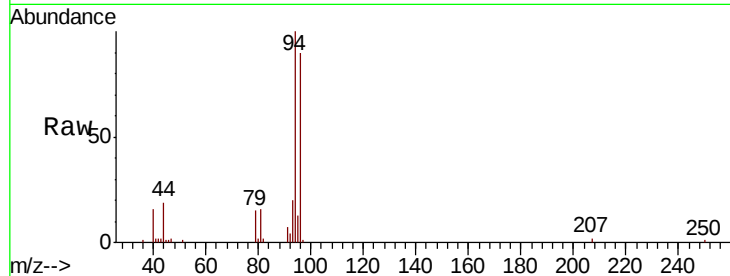
ClientSampleId :

Tot Ion: 94 Resp: 27029

Ion Ratio Lower Upper

94 100

96 90.1 72.4 108.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

15000

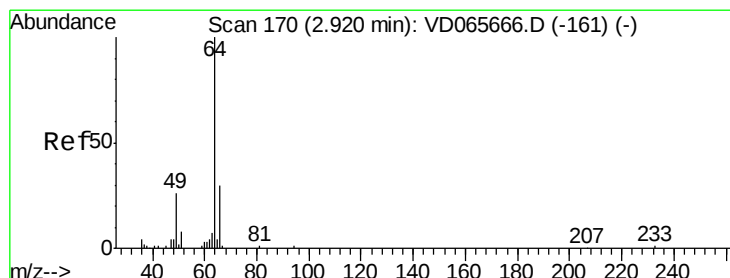
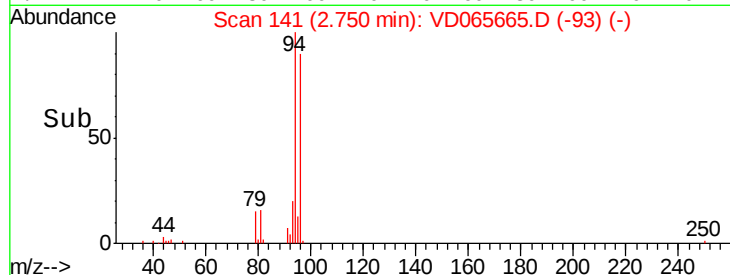
10000

5000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 20.934 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065665.D

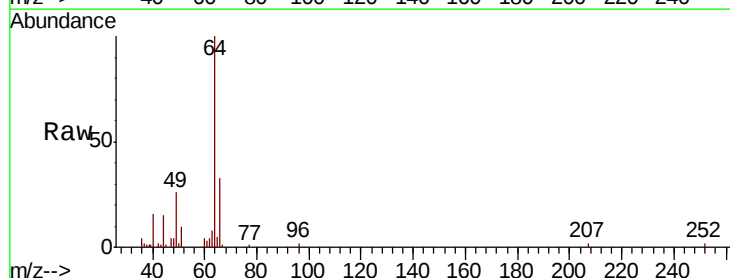
Acq: 22 Apr 2020 14:37

Tgt Ion: 64 Resp: 27676

Ion Ratio Lower Upper

64 100

66 32.7 24.2 36.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

15000

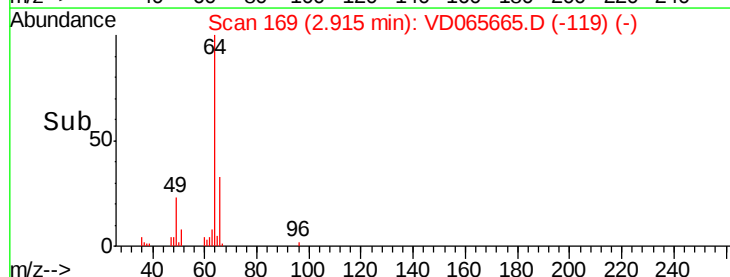
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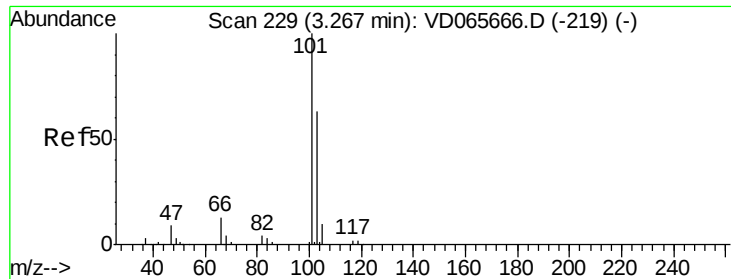
5000

0

Time-->

2.80 2.85 2.90 2.95 3.00



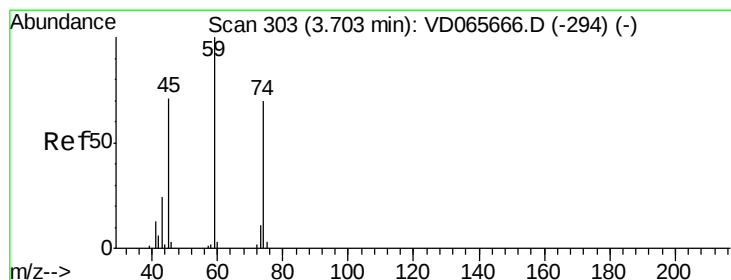
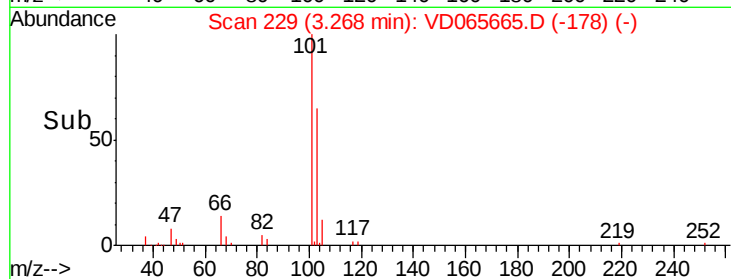
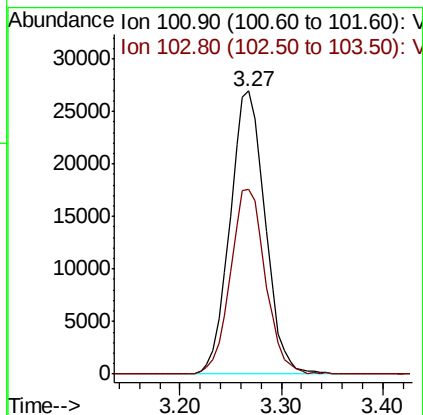
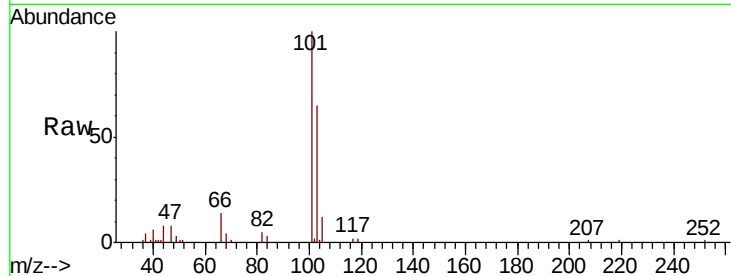


#7

Trichlorofluoromethane
 Concen: 20.405 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :

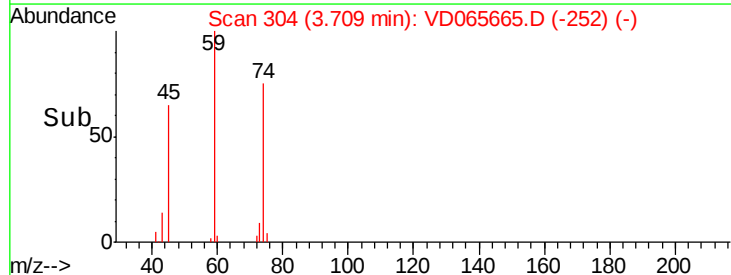
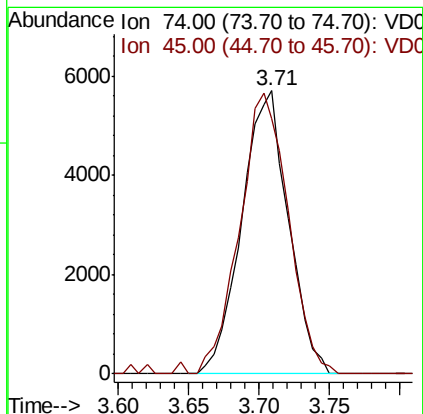
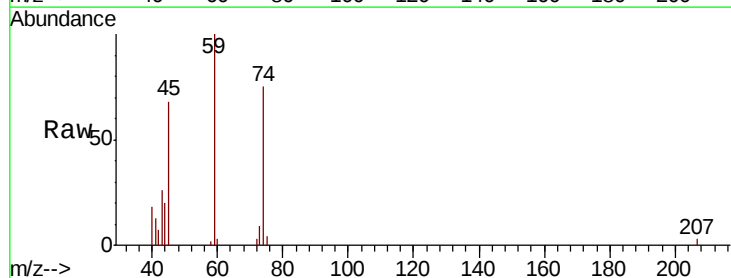
Tot Ion:101 Resp: 64716
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.2 75.2

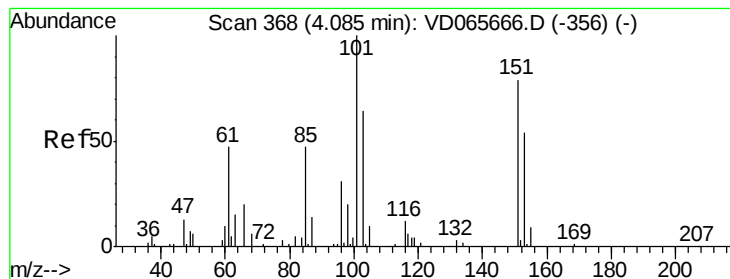


#8

Diethyl Ether
 Concen: 20.448 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion: 74 Resp: 13194
 Ion Ratio Lower Upper
 74 100
 45 103.4 51.0 153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.677 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampled :

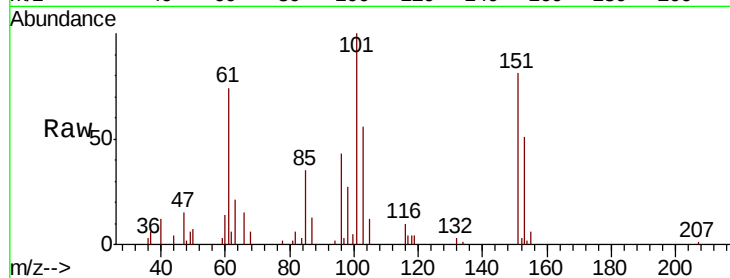
Tot Ion:101 Resp: 31451

Ion Ratio Lower Upper

101 100

85 43.2 35.6 53.4

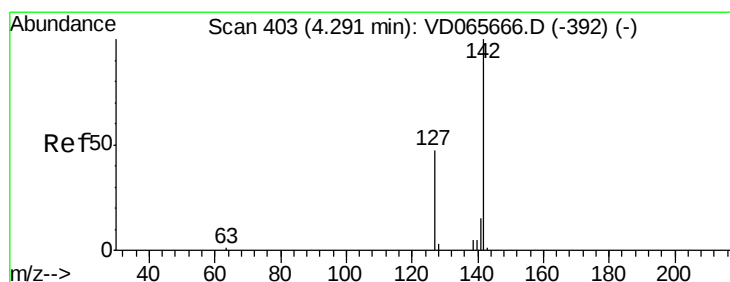
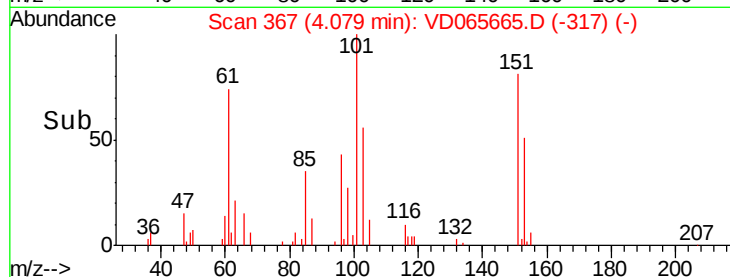
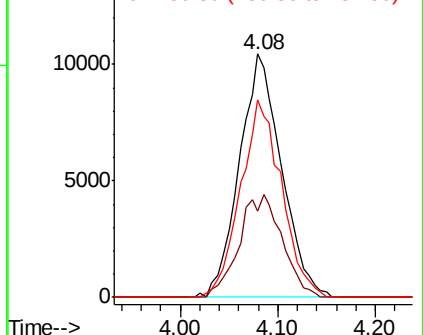
151 79.4 65.4 98.0



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: 16.267 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

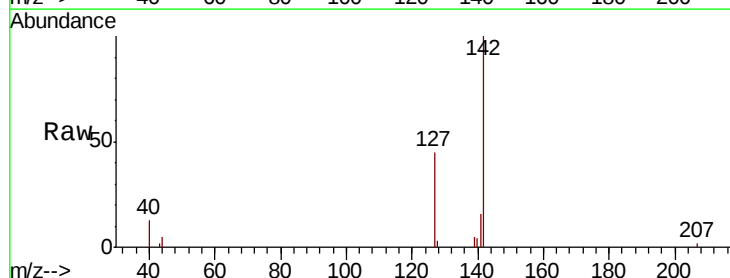
Tgt Ion:142 Resp: 31858

Ion Ratio Lower Upper

142 100

127 46.7 38.2 57.2

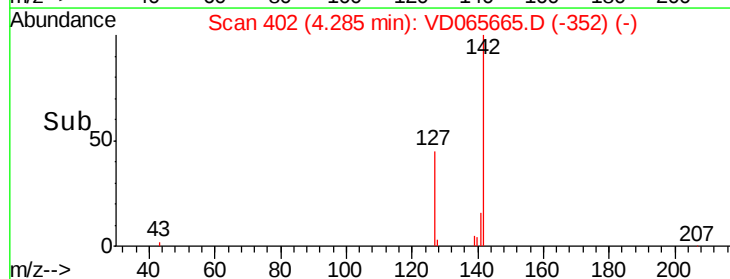
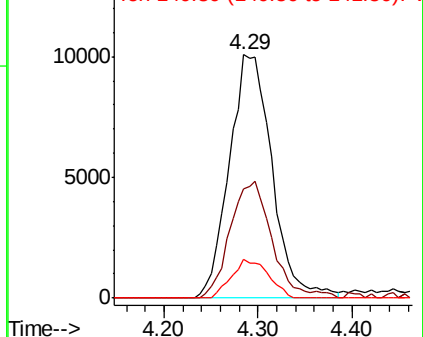
141 13.7 12.1 18.1

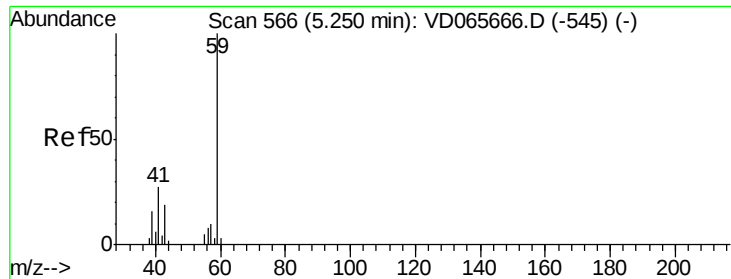


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

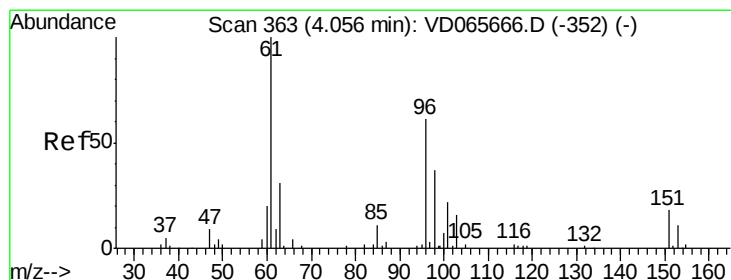
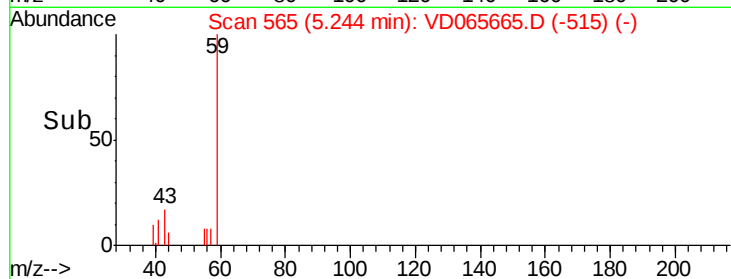
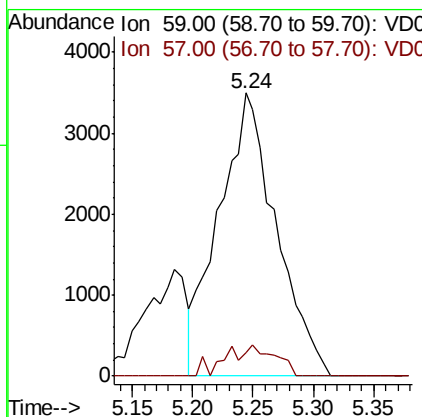
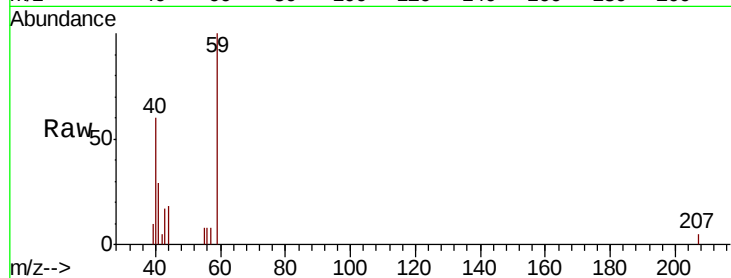




#11
Tert butyl alcohol
Concen: 107.309 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

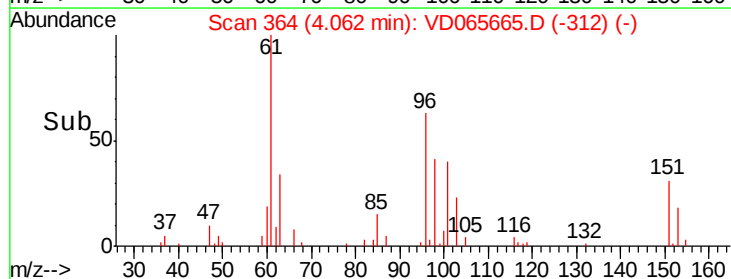
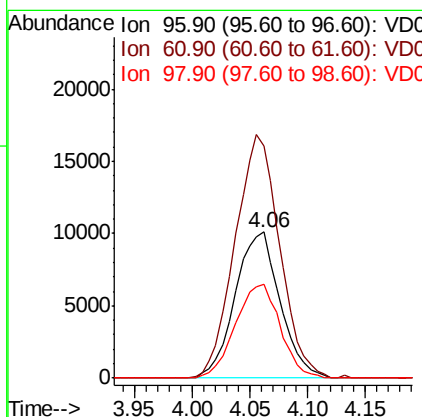
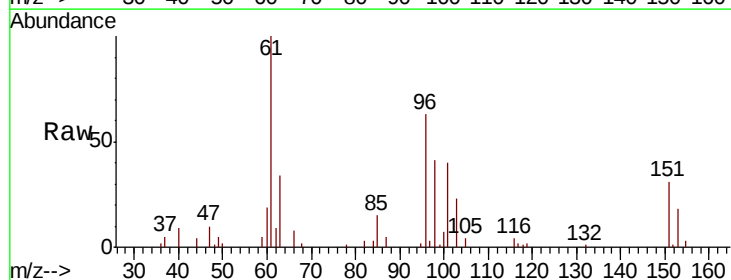
Instrument :
MSVOA_D
ClientSampleId :

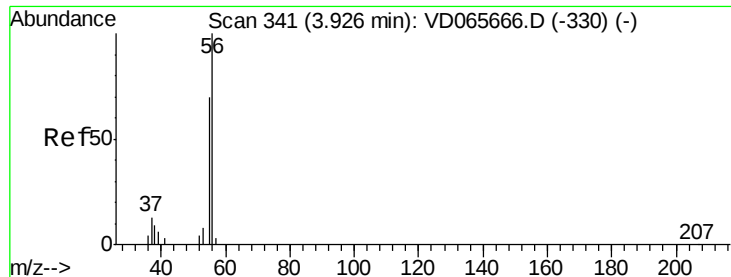
Tot Ion: 59 Resp: 11511
Ion Ratio Lower Upper
59 100
57 5.0 7.5 11.3#



#12
1,1-Dichloroethene
Concen: 20.912 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 96 Resp: 27283
Ion Ratio Lower Upper
96 100
61 158.4 131.8 197.6
98 64.3 48.2 72.4

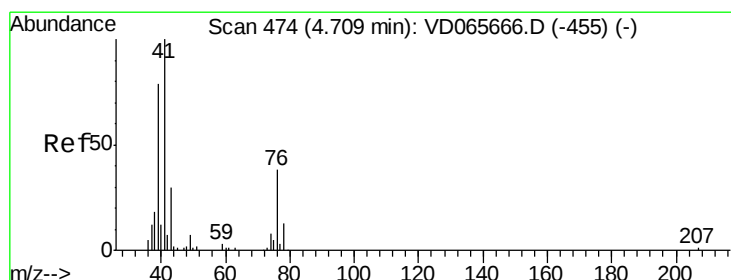
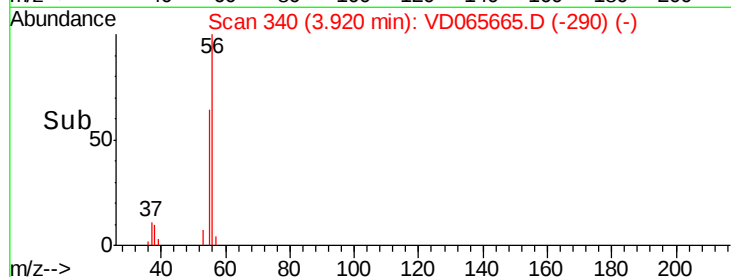
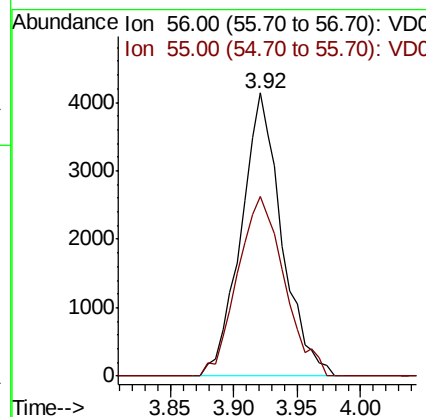
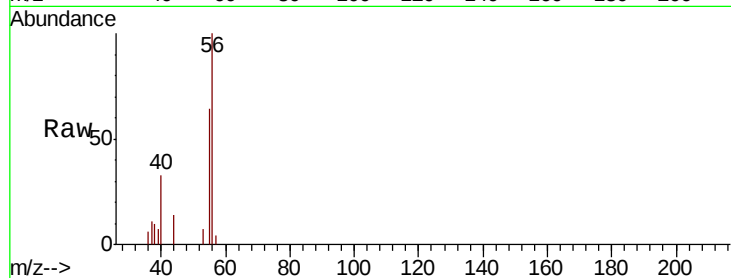




#13
Acrolein
Concen: 109.802 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

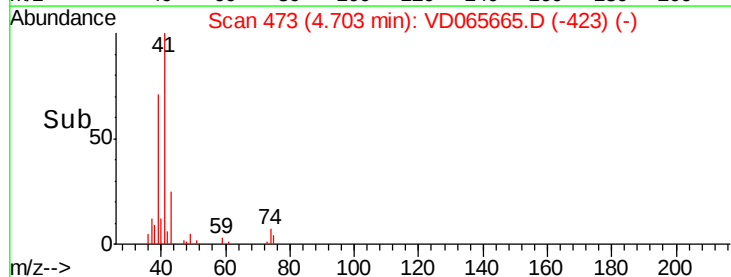
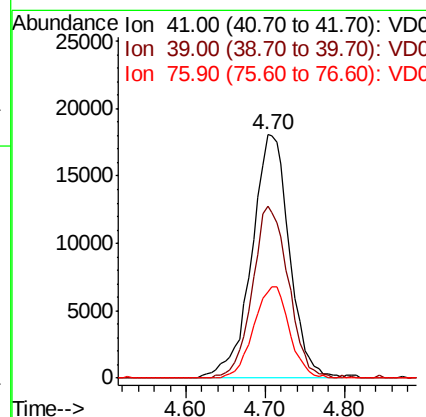
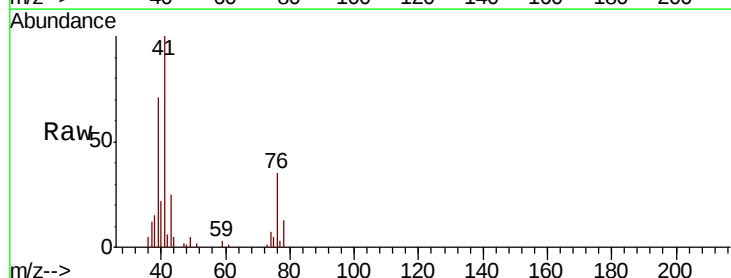
Instrument :
MSVOA_D
ClientSampleId :

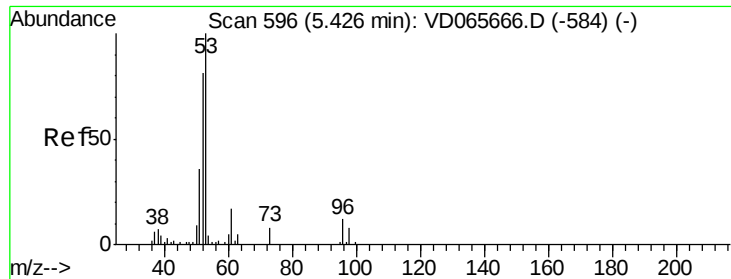
Tot Ion: 56 Resp: 9240
Ion Ratio Lower Upper
56 100
55 73.1 57.3 85.9



#14
Allyl chloride
Concen: 24.632 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 41 Resp: 59712
Ion Ratio Lower Upper
41 100
39 67.5 60.7 91.1
76 35.5 29.3 43.9





#15

Acrylonitrile

Concen: 109.062 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampled :

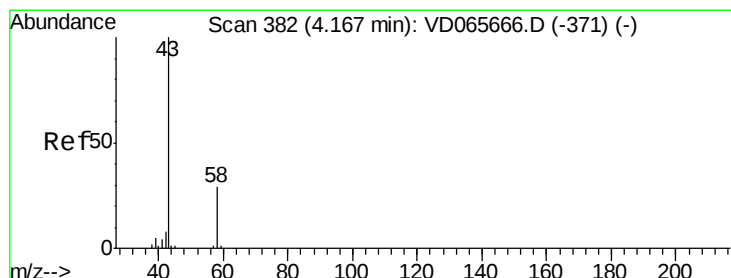
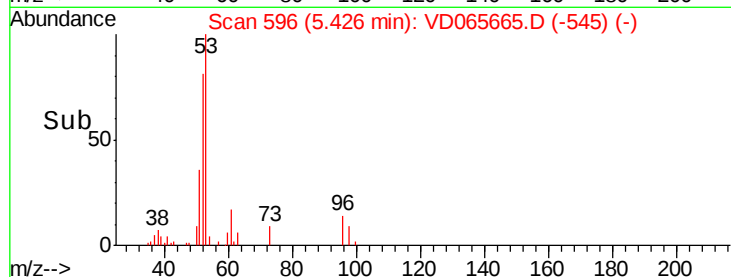
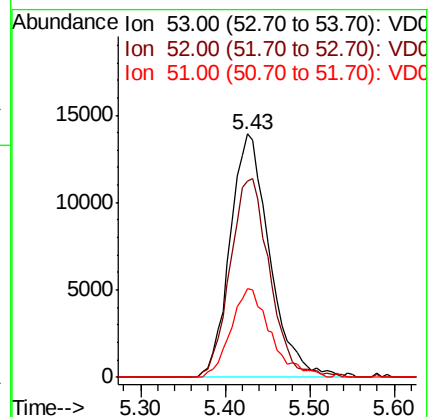
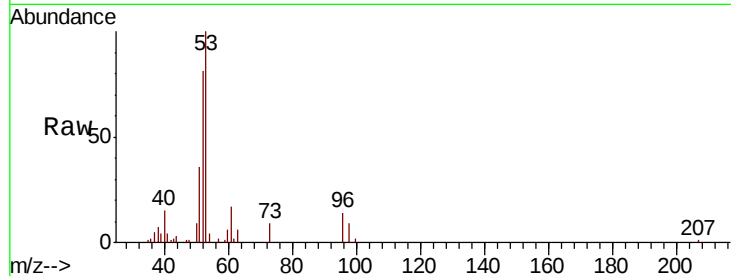
Tot Ion: 53 Resp: 44940

Ion Ratio Lower Upper

53 100

52 82.3 64.2 96.2

51 36.8 29.5 44.3



#16

Acetone

Concen: 105.674 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065665.D

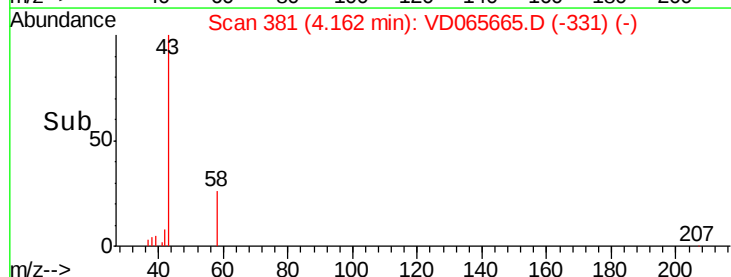
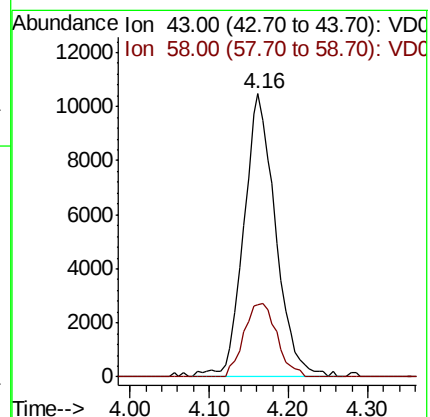
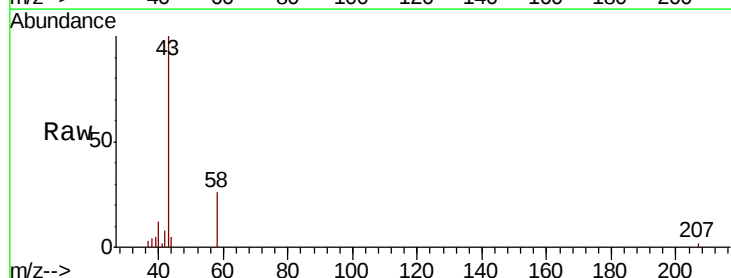
Acq: 22 Apr 2020 14:37

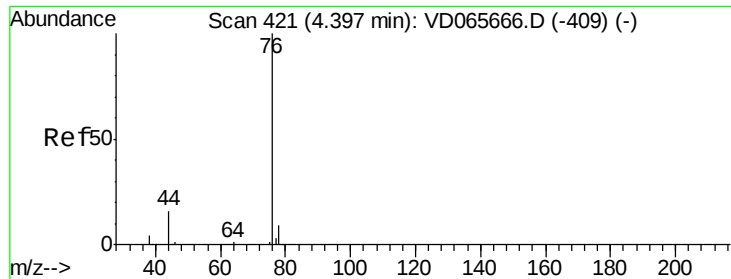
Tgt Ion: 43 Resp: 29204

Ion Ratio Lower Upper

43 100

58 25.5 22.6 34.0

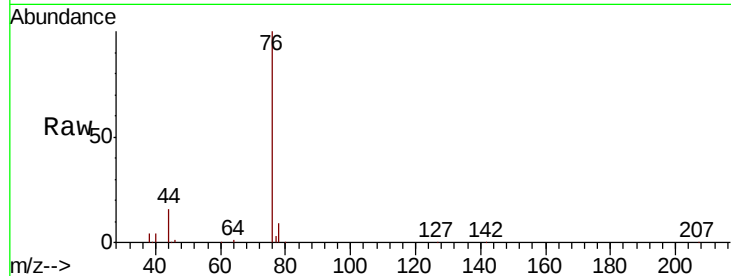




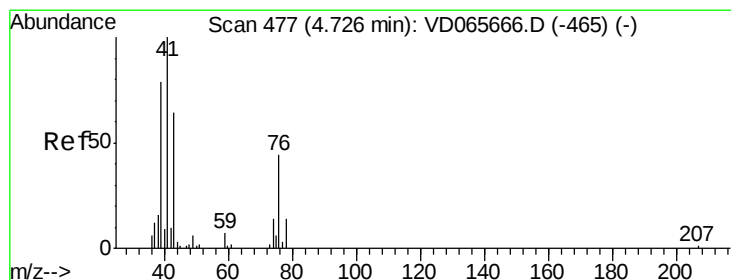
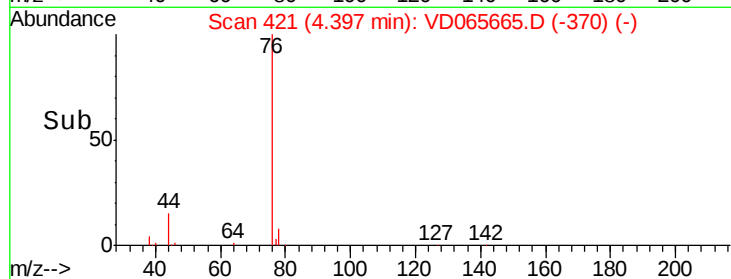
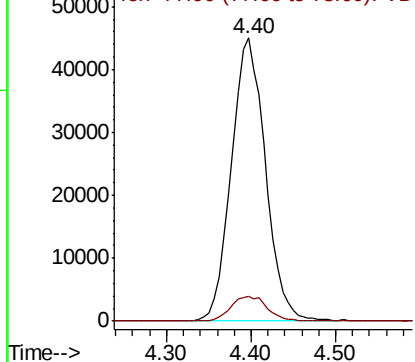
#17
Carbon Disulfide
Concen: 24.778 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 125774
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

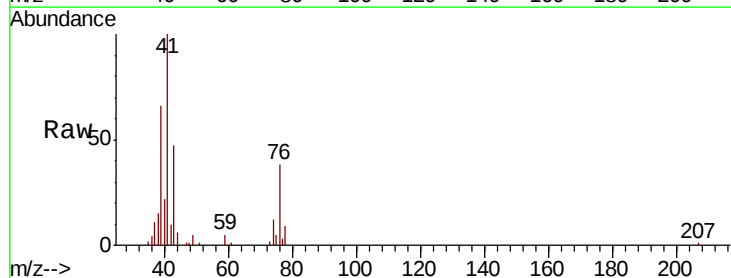


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

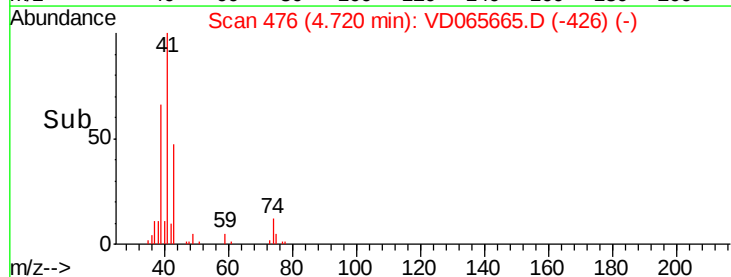
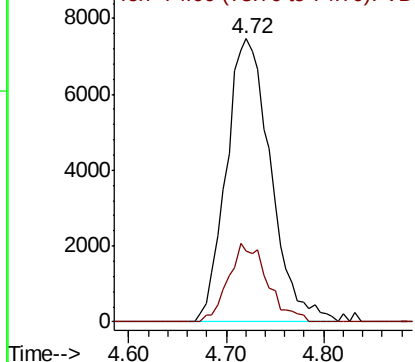


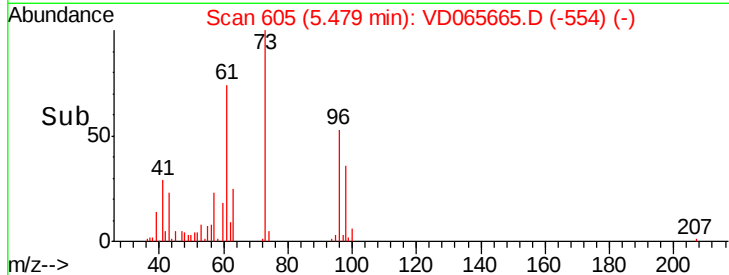
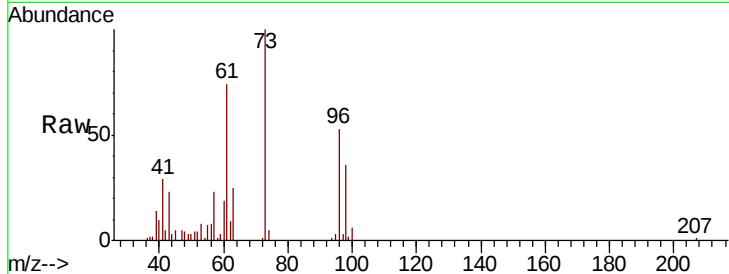
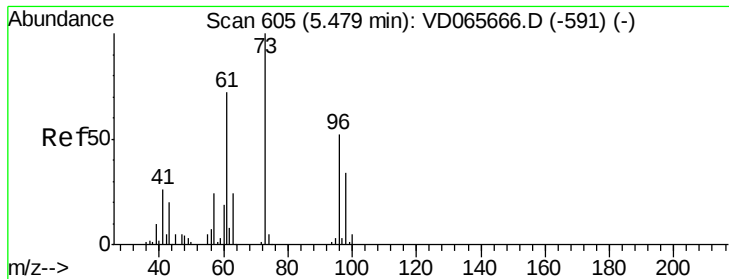
#18
Methyl Acetate
Concen: 26.059 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 43 Resp: 23620
Ion Ratio Lower Upper
43 100
74 24.4 18.6 28.0



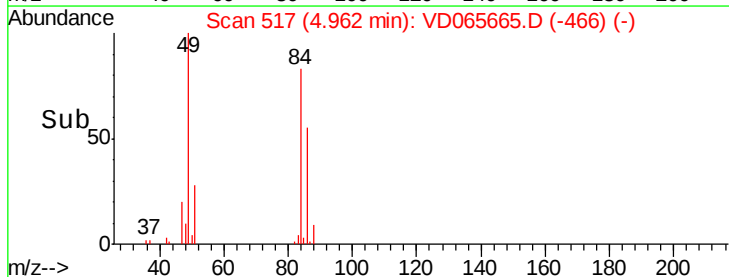
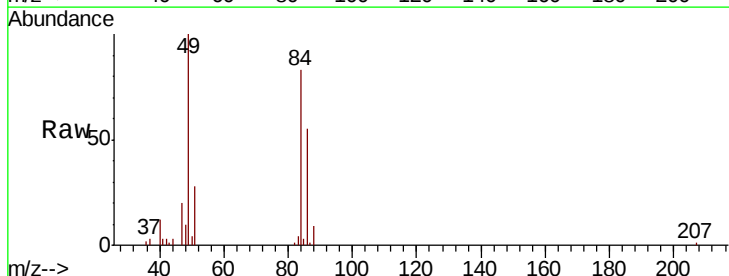
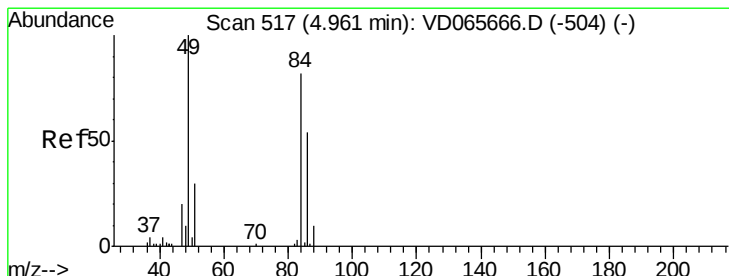
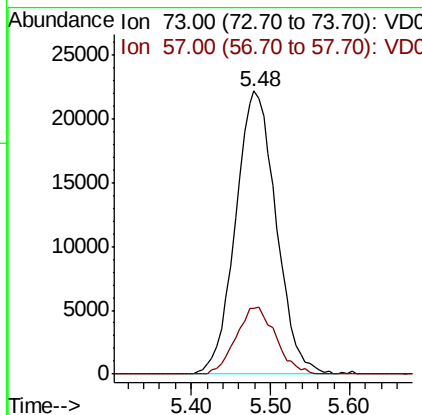
Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC





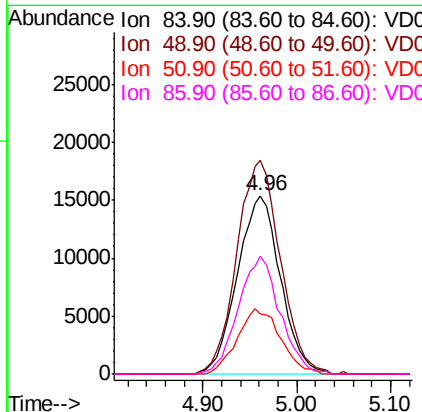
#19
Methyl tert-butyl Ether
Concen: 20.602 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

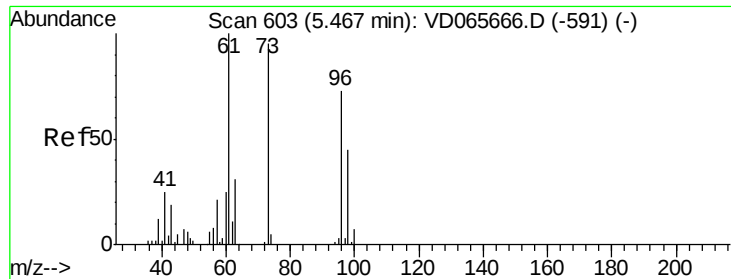
Tot Ion: 73 Resp: 78730
Ion Ratio Lower Upper
73 100
57 23.3 19.6 29.4



#20
Methylene Chloride
Concen: 22.437 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 84 Resp: 48817
Ion Ratio Lower Upper
84 100
49 119.9 97.7 146.5
51 34.1 29.4 44.2
86 66.1 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 20.448 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampled :

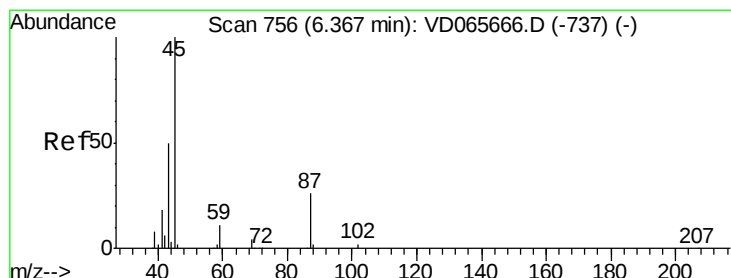
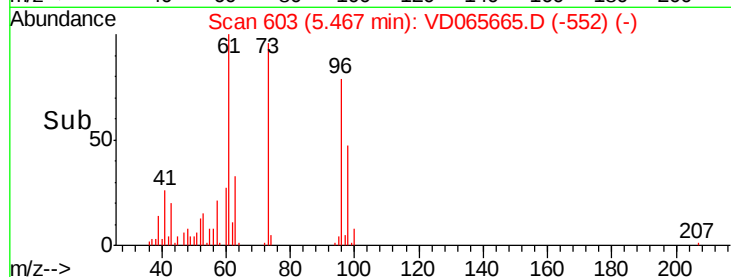
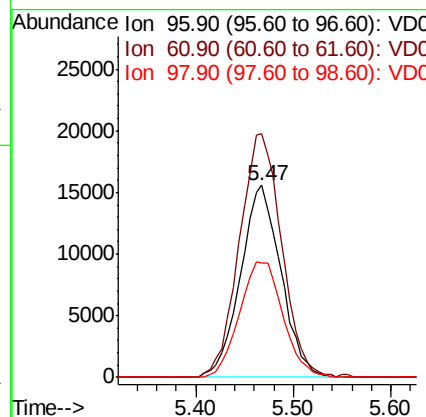
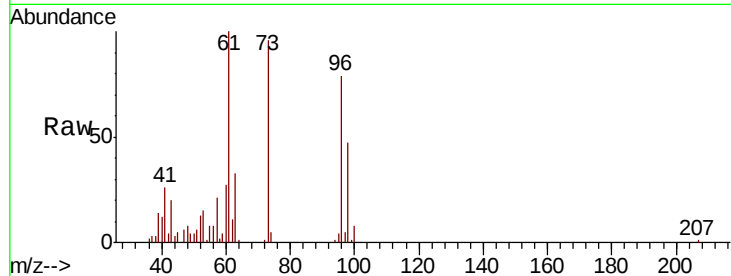
Tot Ion: 96 Resp: 45063

Ion Ratio Lower Upper

96 100

61 126.7 109.6 164.4

98 59.4 49.3 73.9



#22

Diisopropyl ether

Concen: 21.015 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Tgt Ion: 45 Resp: 124047

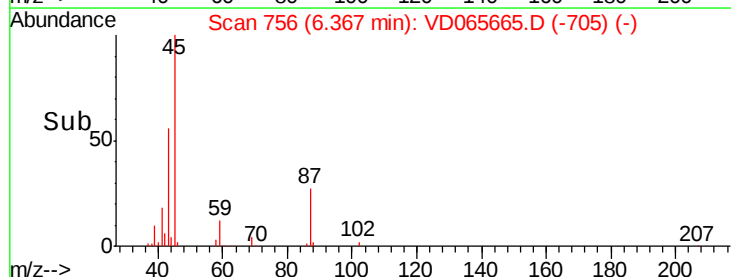
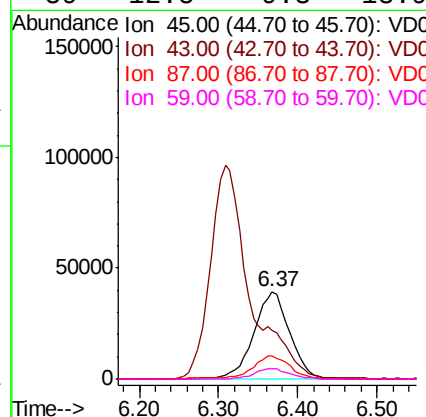
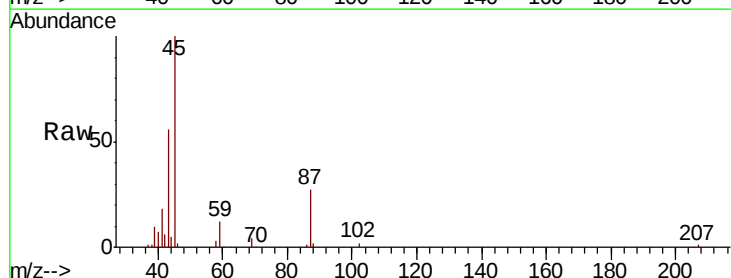
Ion Ratio Lower Upper

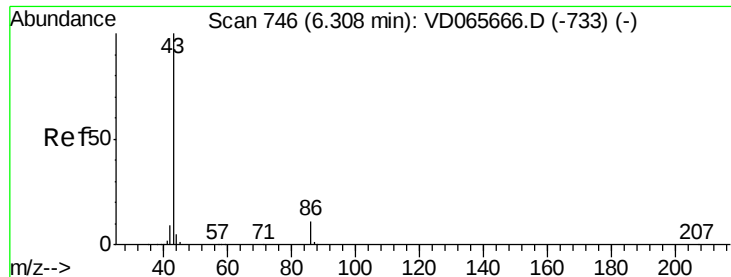
45 100

43 55.4 41.9 62.9

87 27.1 21.6 32.4

59 12.5 9.3 13.9





#23

Vinyl Acetate

Concen: 105.812 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

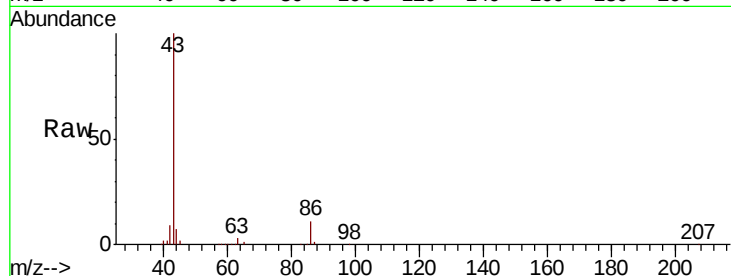
ClientSampleId :

Tot Ion: 43 Resp: 332856

Ion Ratio Lower Upper

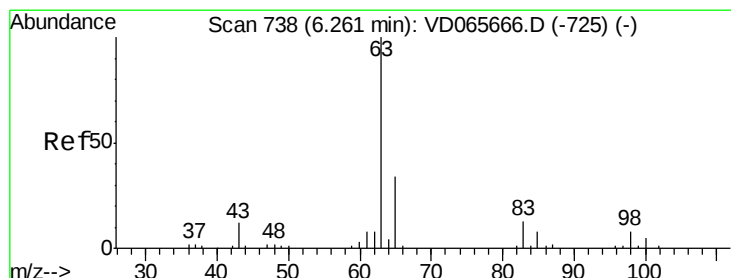
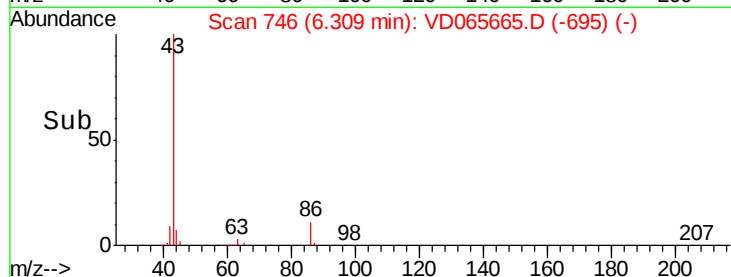
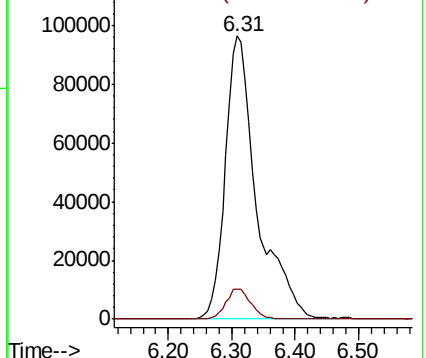
43 100

86 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.594 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

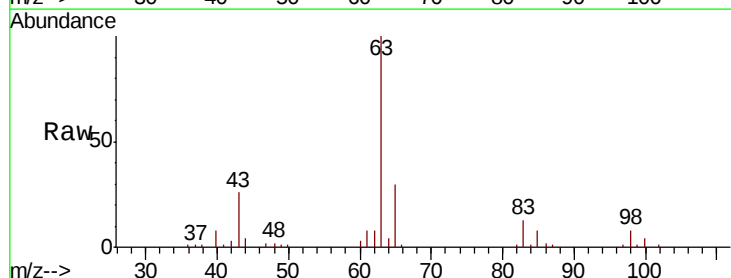
Tgt Ion: 63 Resp: 77485

Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

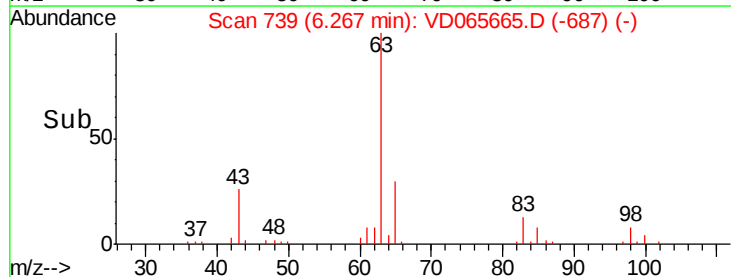
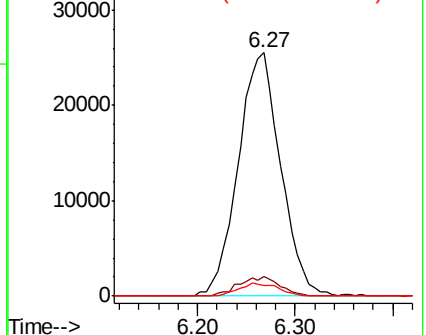
100 4.2 2.3 6.9

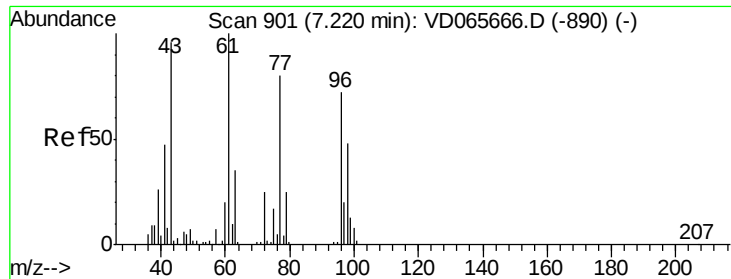


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.221 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

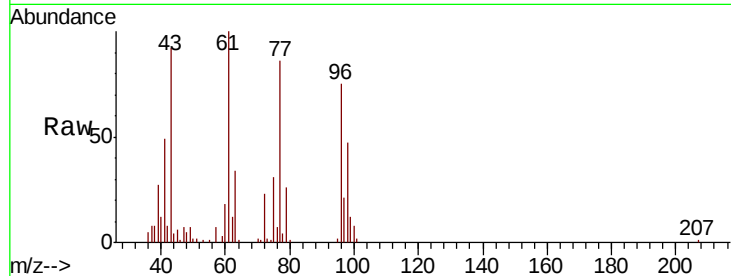
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 54031

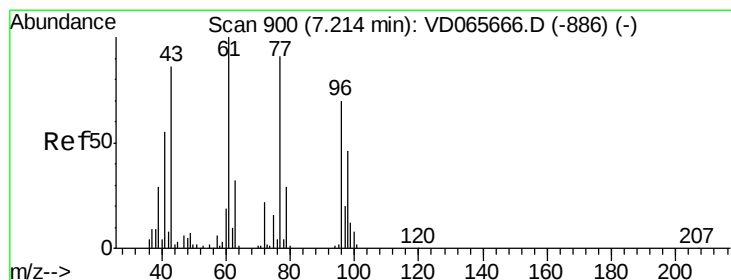
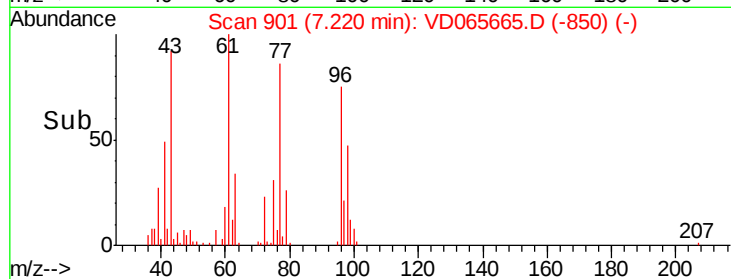
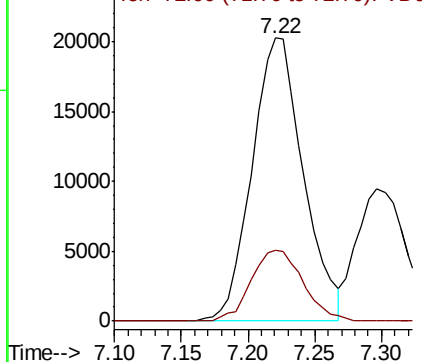
Ion Ratio Lower Upper

43 100

72 25.3 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.381 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065665.D

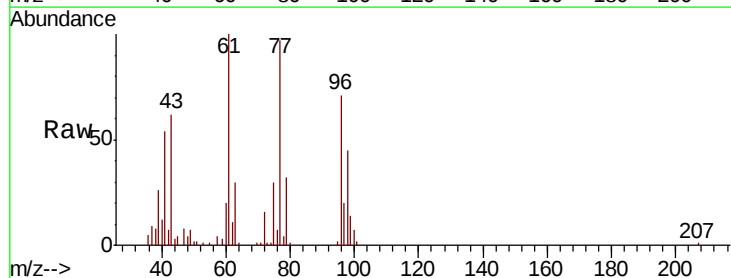
Acq: 22 Apr 2020 14:37

Tgt Ion: 77 Resp: 66776

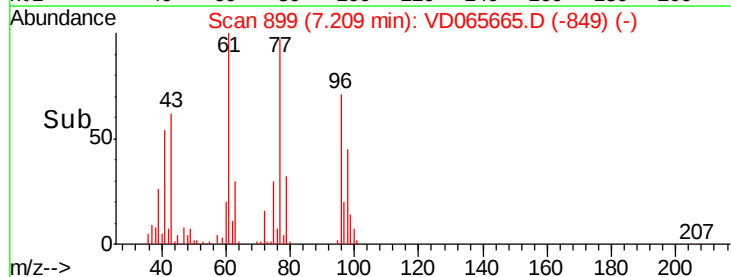
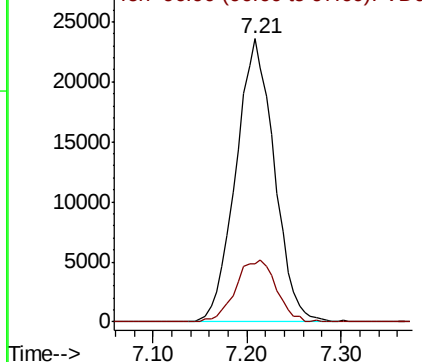
Ion Ratio Lower Upper

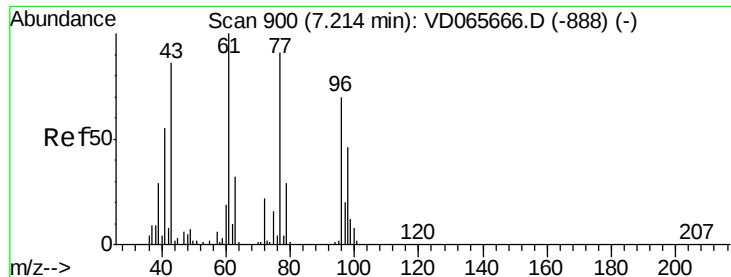
77 100

97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



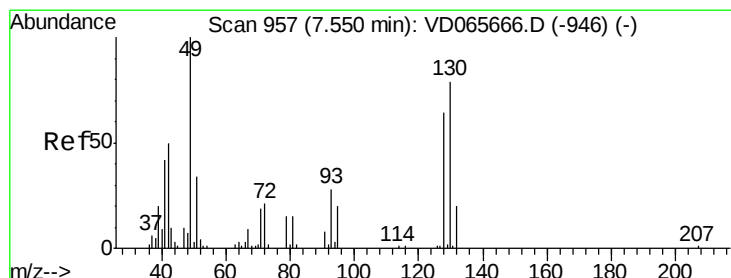
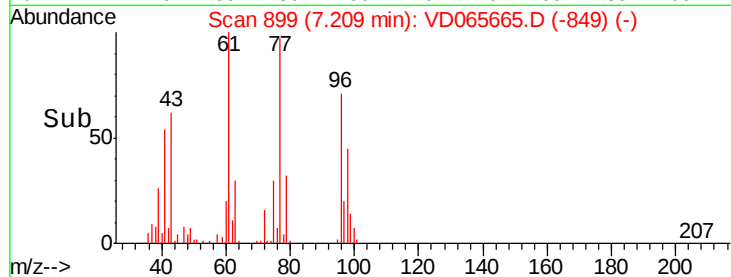
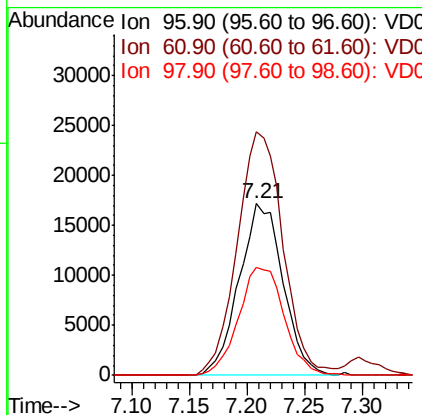
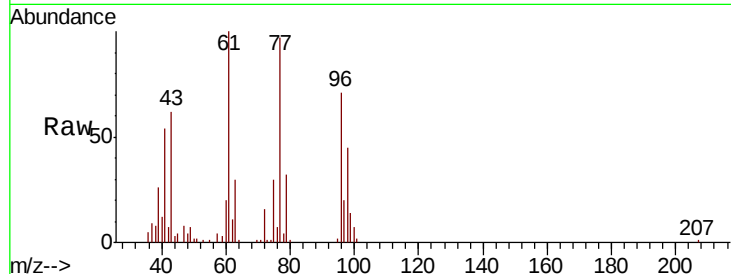


#27

cis-1,2-Dichloroethene
Concen: 19.863 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampled :

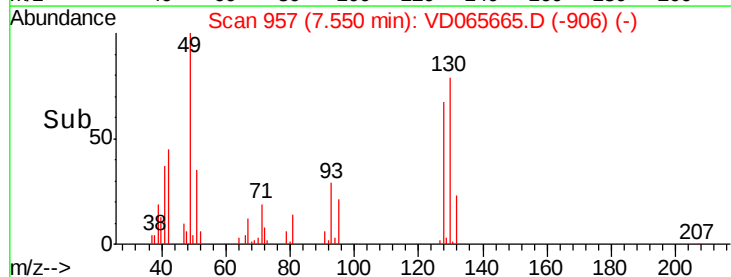
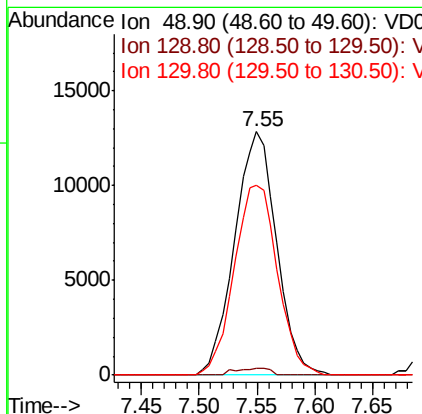
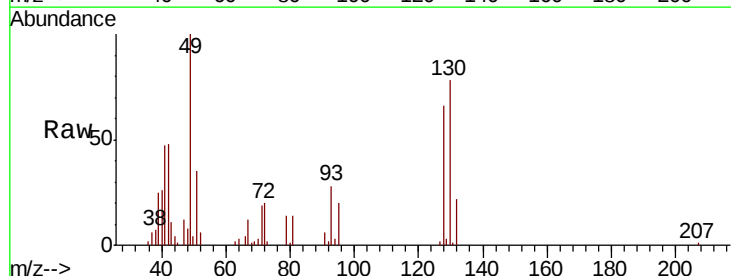
Tot Ion	96	Resp	45562
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	290.4
98	65.4	0.0	131.0

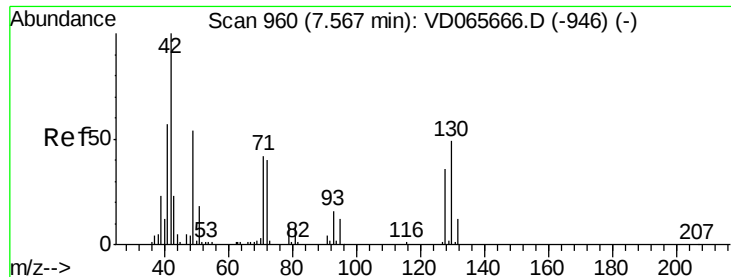


#28

Bromochloromethane
Concen: 21.020 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion	49	Resp	32288
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	80.9	66.3	99.5

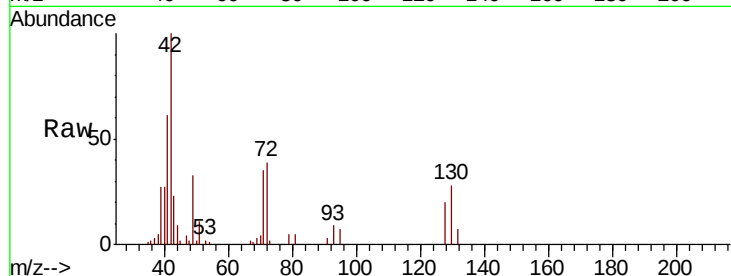




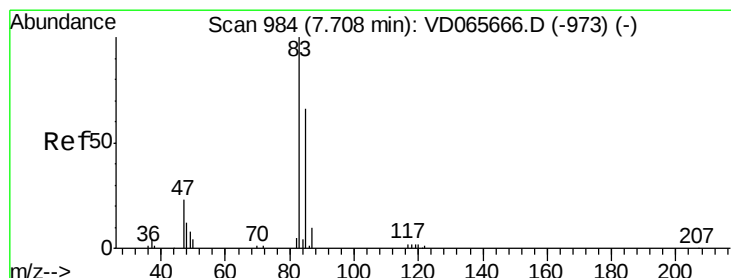
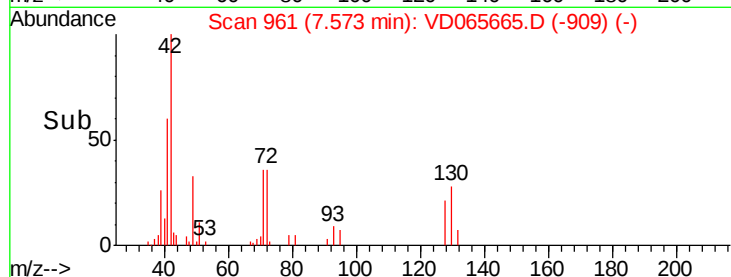
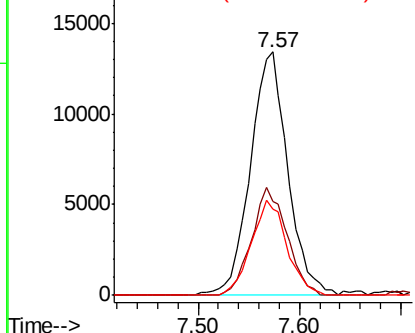
#29
Tetrahydrofuran
Concen: 108.242 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 34584
Ion Ratio Lower Upper
42 100
72 41.7 33.8 50.6
71 37.2 30.7 46.1

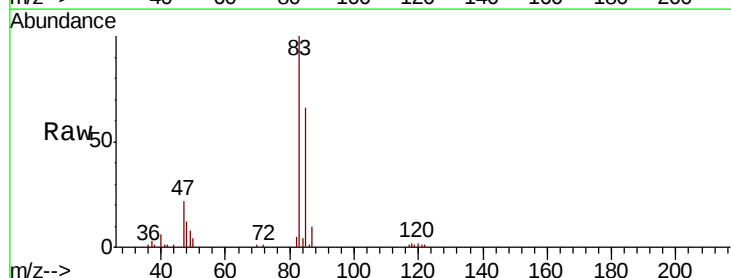


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

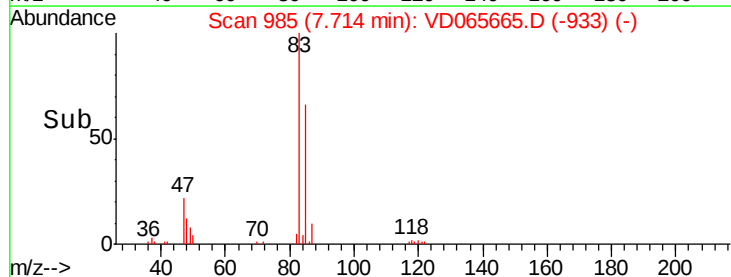
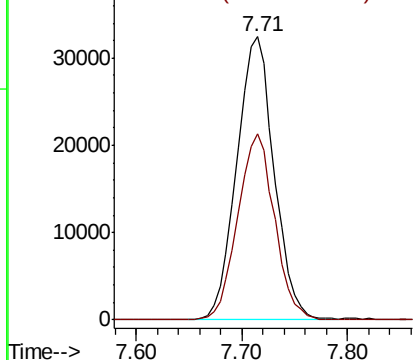


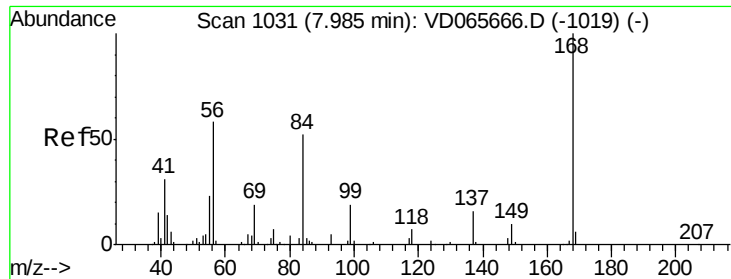
#30
Chloroform
Concen: 20.765 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 83 Resp: 79588
Ion Ratio Lower Upper
83 100
85 65.7 52.5 78.7



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

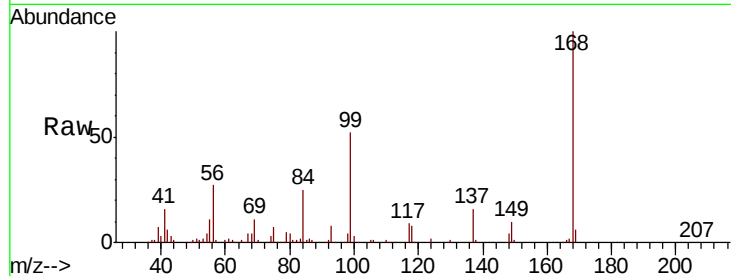




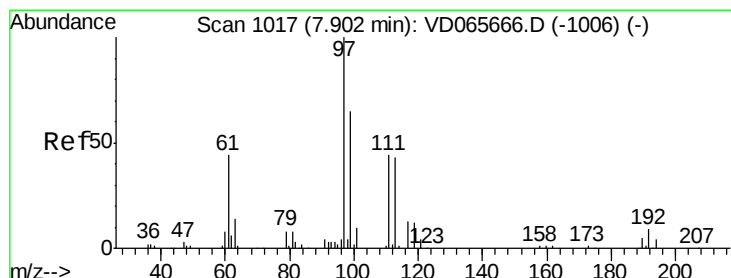
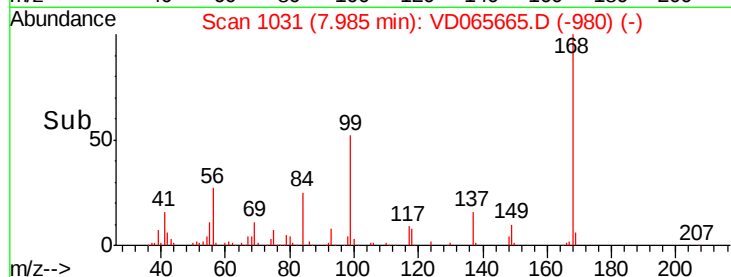
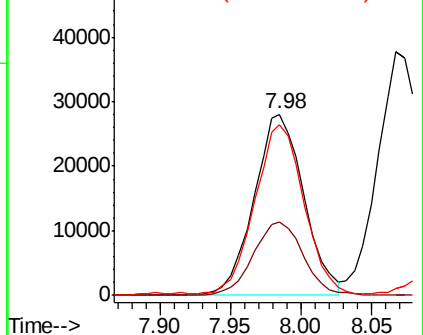
#31
Cyclohexane
Concen: 19.316 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 69242
Ion Ratio Lower Upper
56 100
69 40.5 26.3 39.5#
84 92.9 71.4 107.0

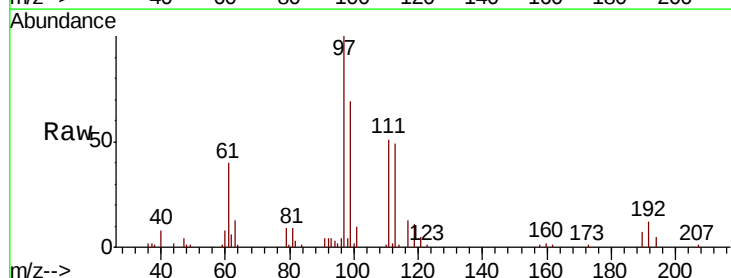


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

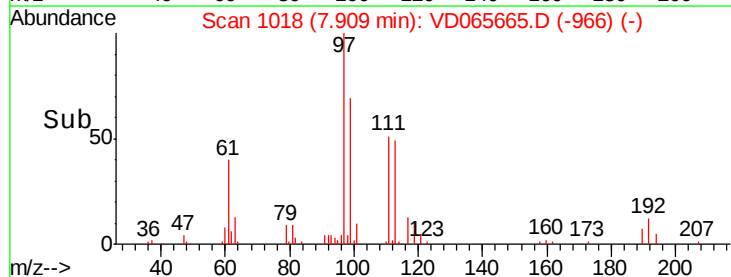
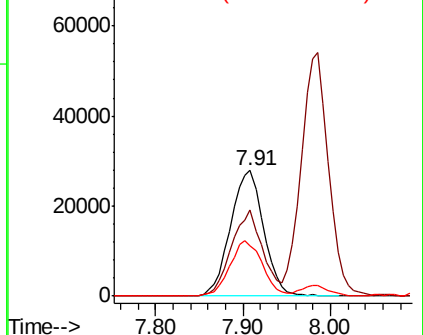


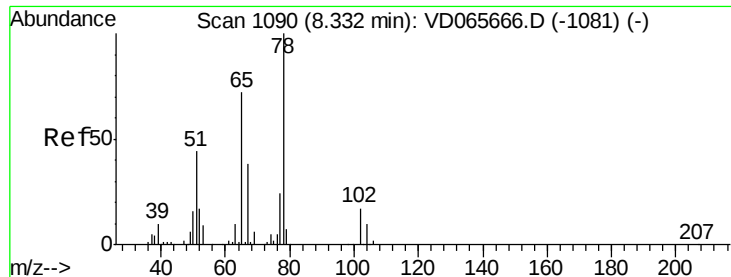
#32
1,1,1-Trichloroethane
Concen: 20.657 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 97 Resp: 71529
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 43.1 35.8 53.6



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

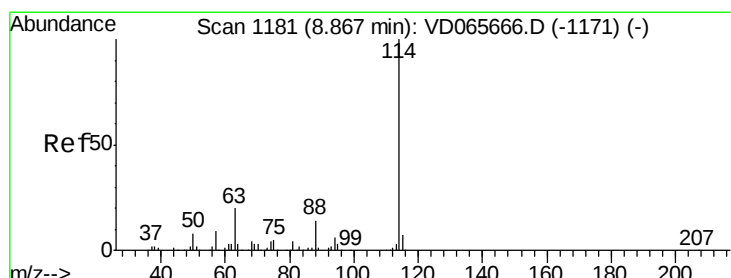
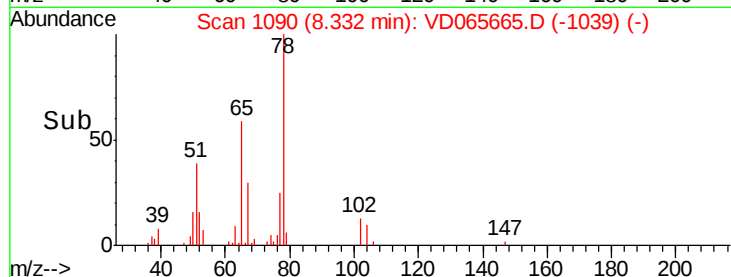
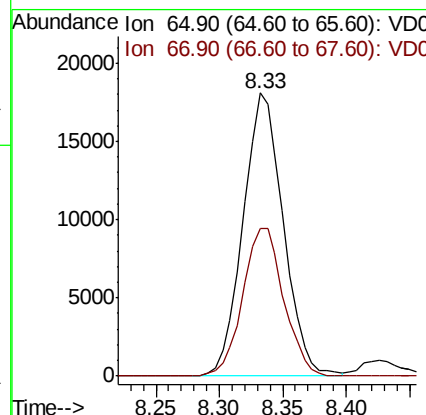
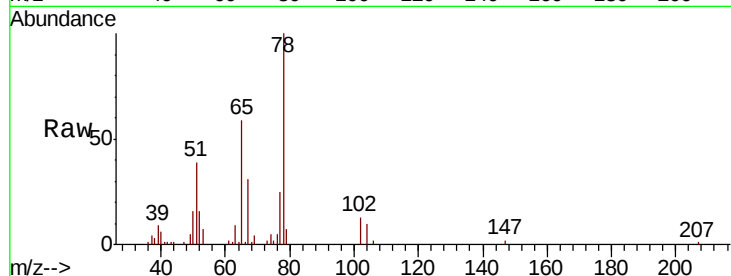




#33
 1,2-Dichloroethane-d4
 Concen: 20.517 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

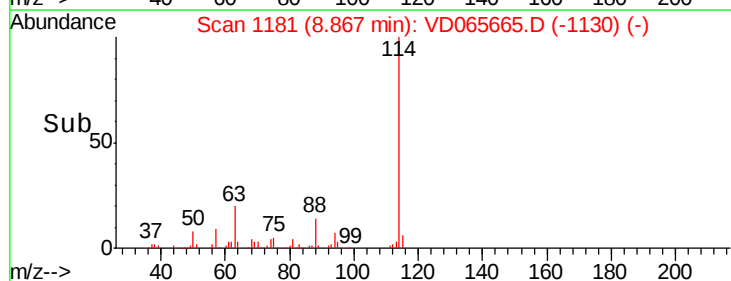
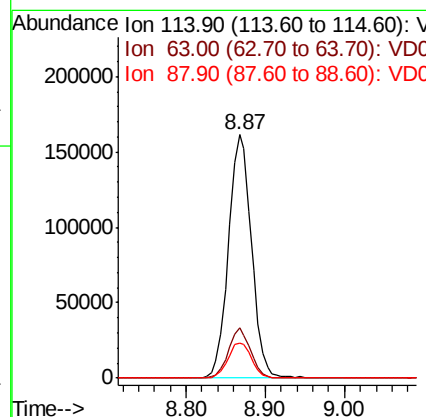
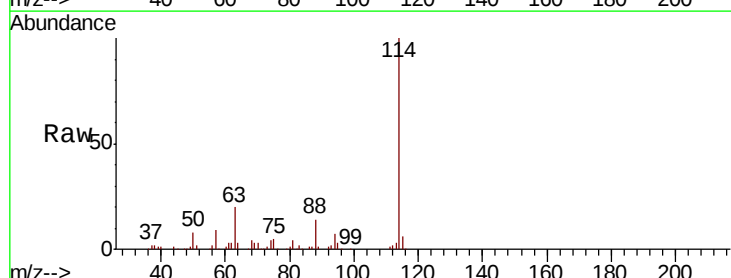
Instrument :
 MSVOA_D
 ClientSampleId :

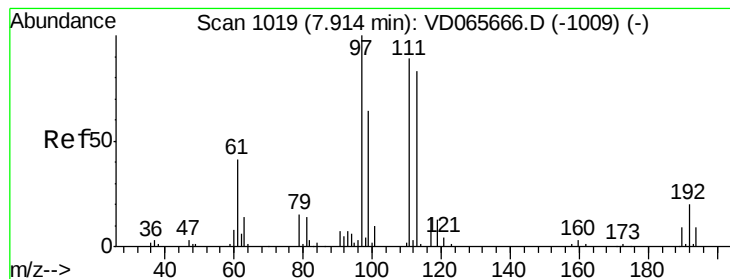
Tot Ion: 65 Resp: 39973
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion: 114 Resp: 323303
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.2
 88 14.3 0.0 28.4





#35

Dibromofluoromethane

Concen: 20.036 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

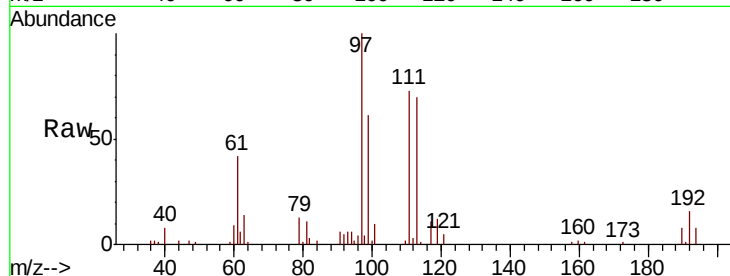
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:113 Resp: 40362

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.2	124.8
192	22.5	18.6	28.0

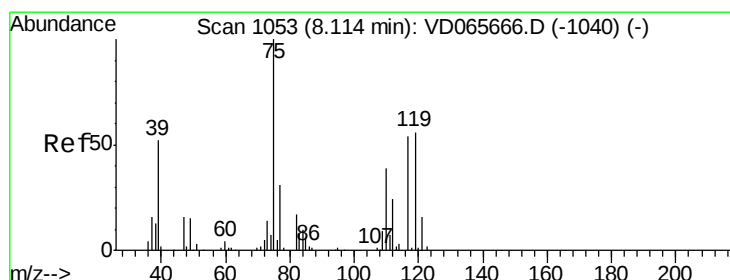
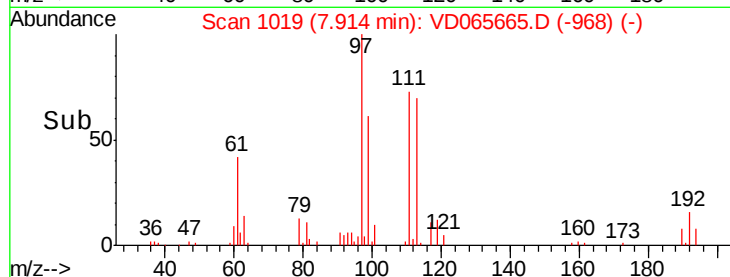
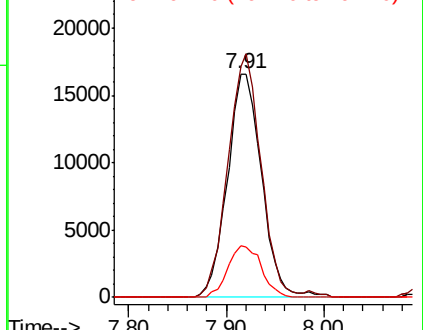


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.452 ug/l

RT: 8.11 min Scan# 1053

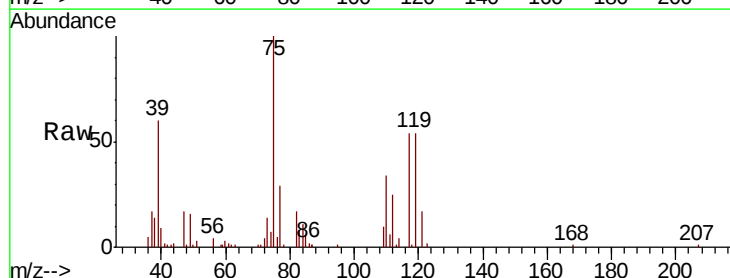
Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Tgt Ion: 75 Resp: 62564

Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.0
77	30.0	25.3	37.9

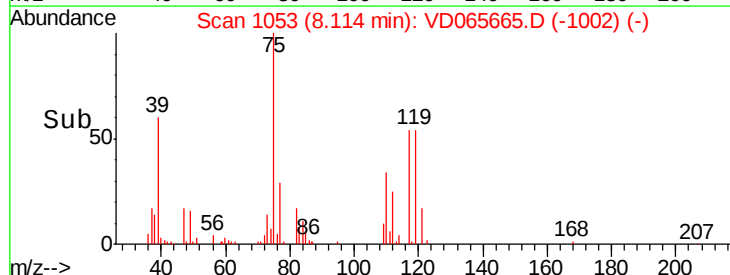
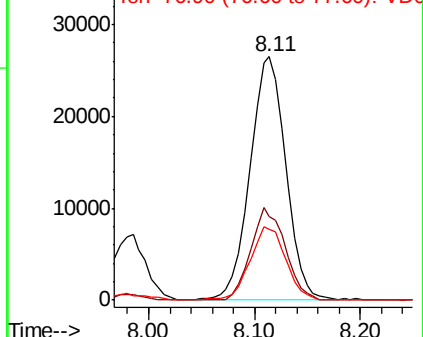


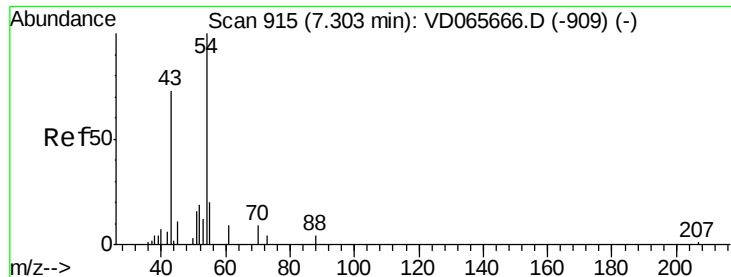
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

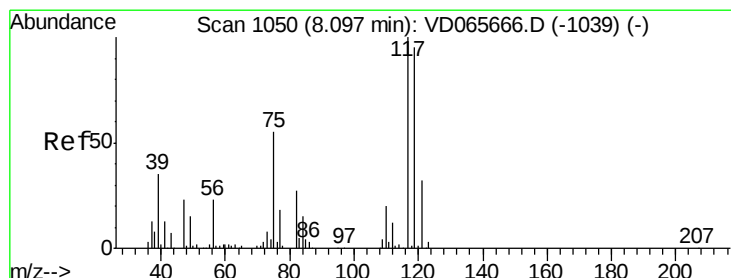
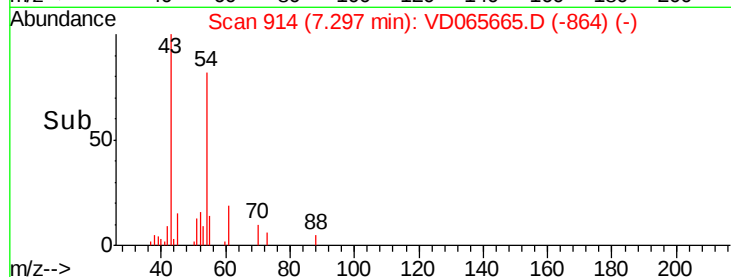
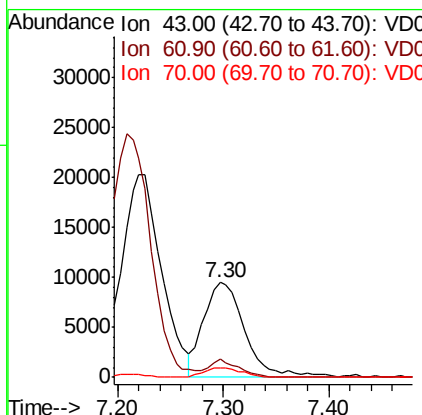
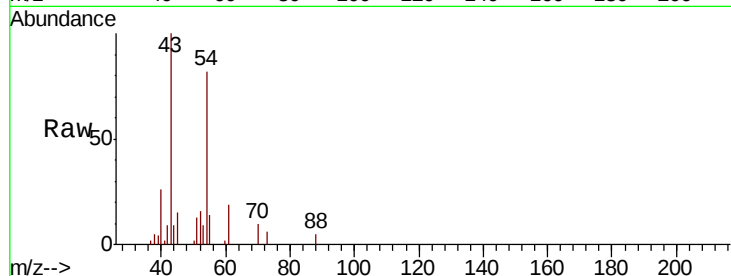




#37
Ethyl Acetate
Concen: 21.417 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

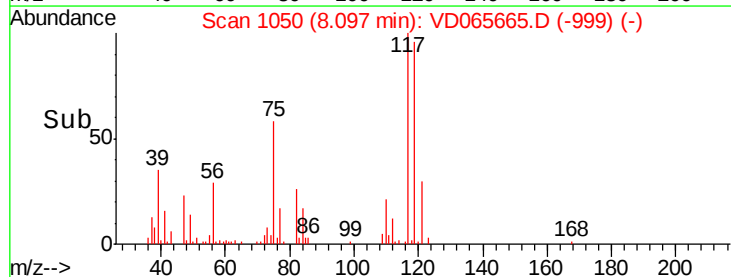
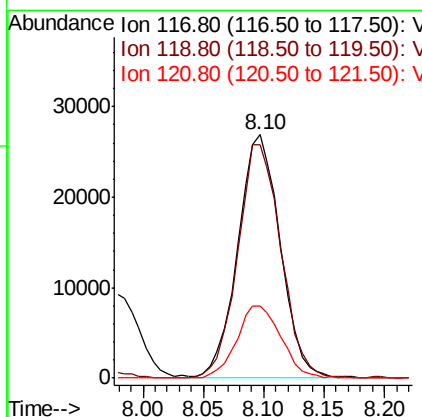
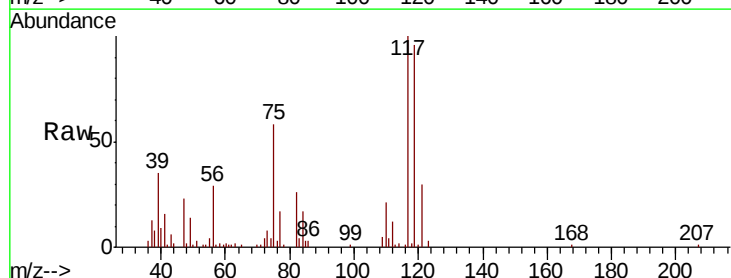
Instrument :
MSVOA_D
ClientSampleId :

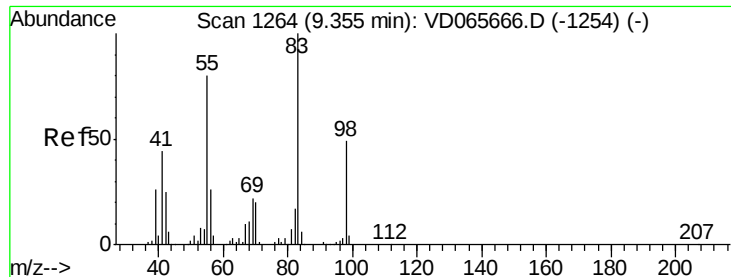
Tot Ion: 43 Resp: 25767
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 9.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.232 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 117 Resp: 66021
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5
121 29.7 25.8 38.6

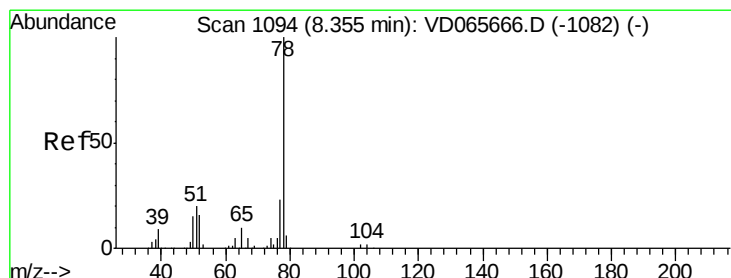
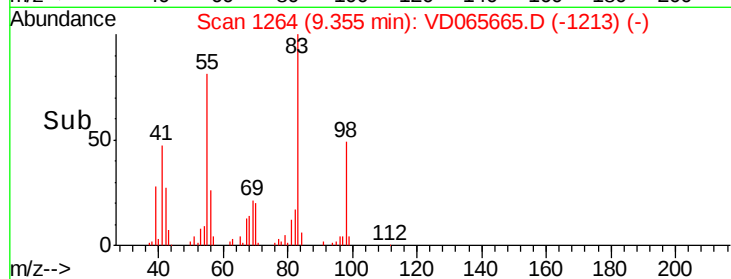
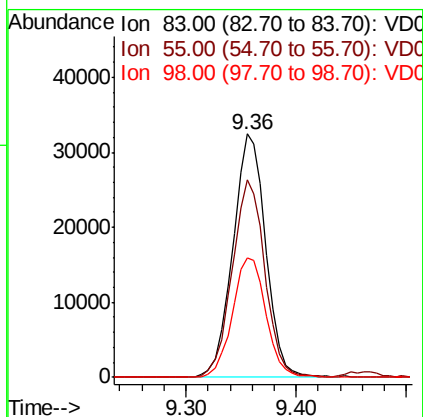
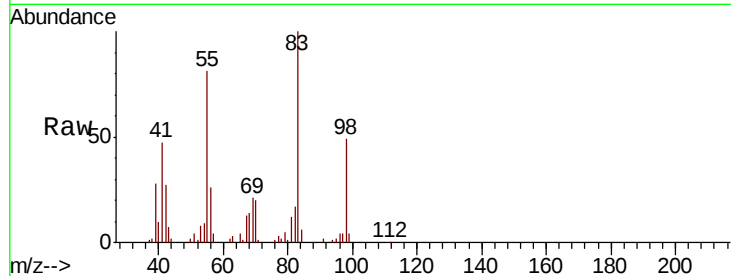




#39
Methvlcvclohexane
Concen: 19.150 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

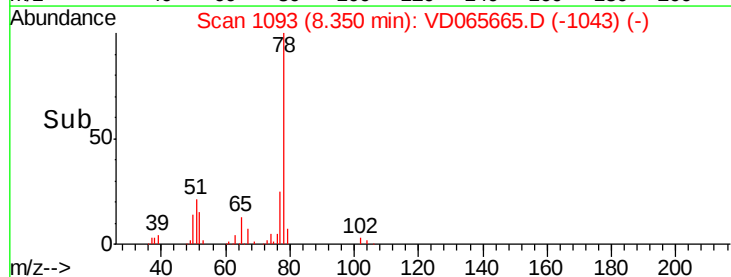
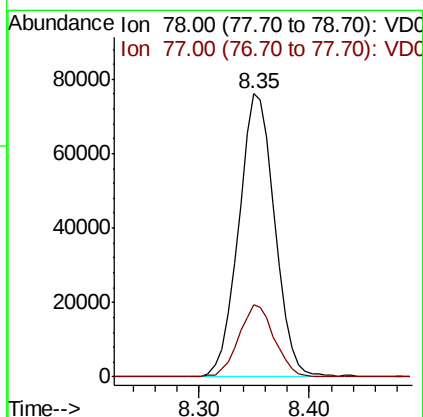
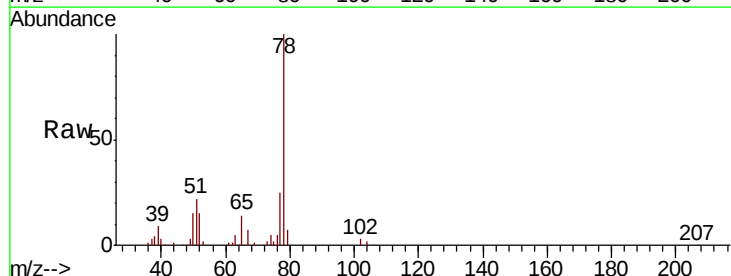
Instrument :
MSVOA_D
ClientSampled :

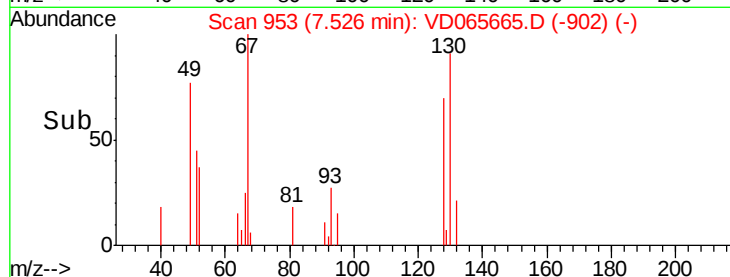
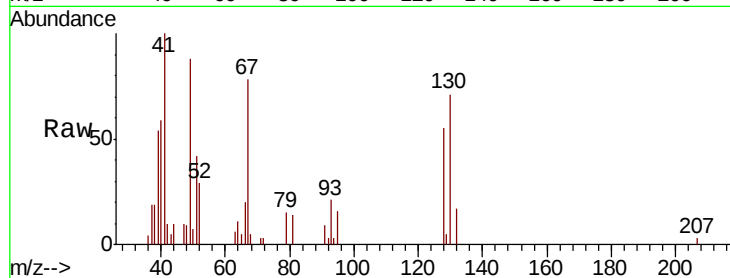
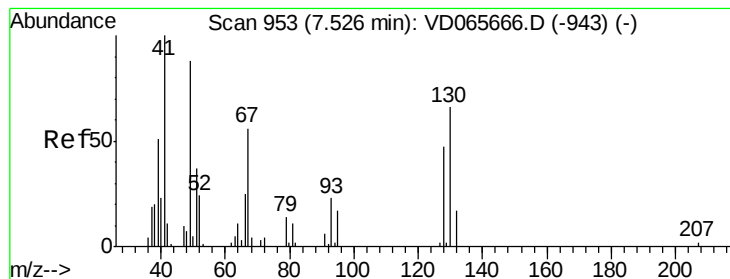
Tot Ion: 83 Resp: 67632
Ion Ratio Lower Upper
83 100
55 81.4 64.0 96.0
98 49.3 39.2 58.8



#40
Benzene
Concen: 19.901 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 78 Resp: 174263
Ion Ratio Lower Upper
78 100
77 25.4 18.7 28.1





#41

Methacrylonitrile

Concen: 15.634 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 9918

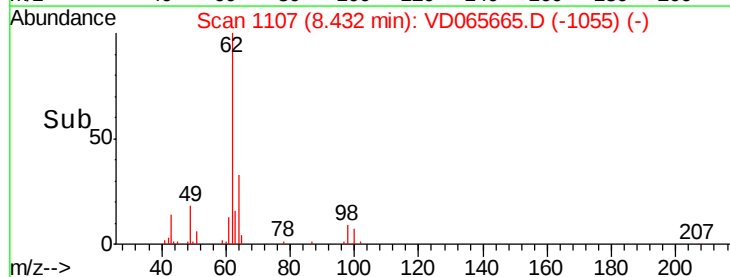
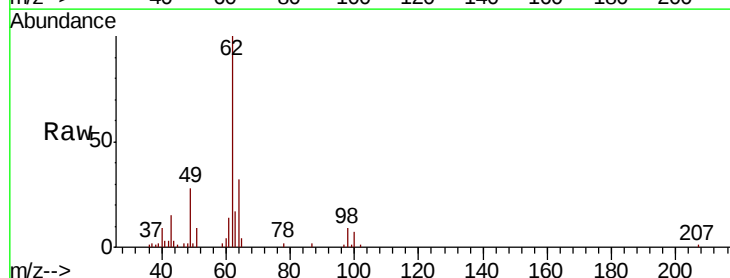
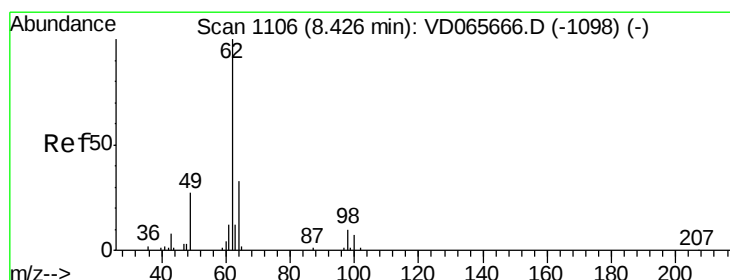
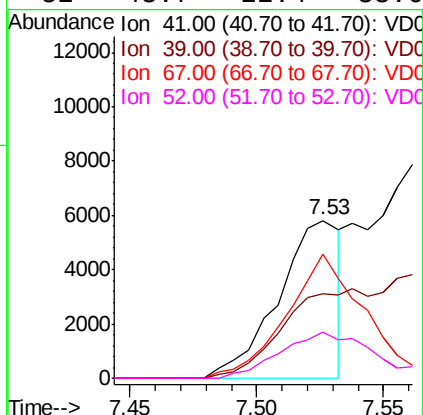
Ion Ratio Lower Upper

41 100

39 0.0 43.8 65.6#

67 98.4 54.4 81.6#

52 43.7 22.4 33.6#



#42

1,2-Dichloroethane

Concen: 21.087 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065665.D

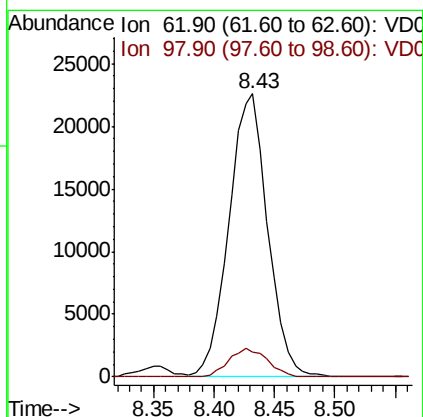
Acq: 22 Apr 2020 14:37

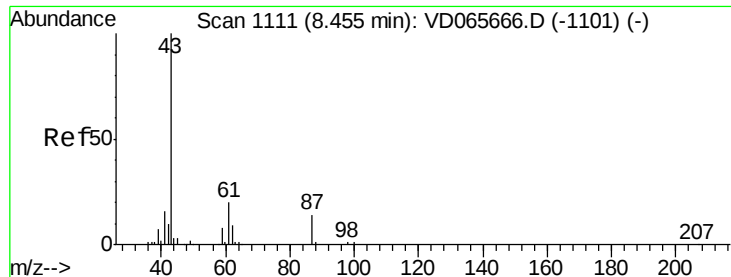
Tgt Ion: 62 Resp: 50398

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.2

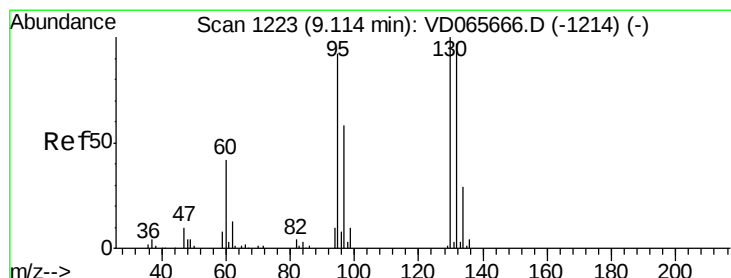
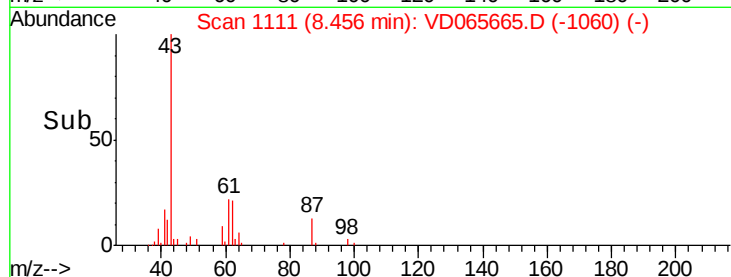
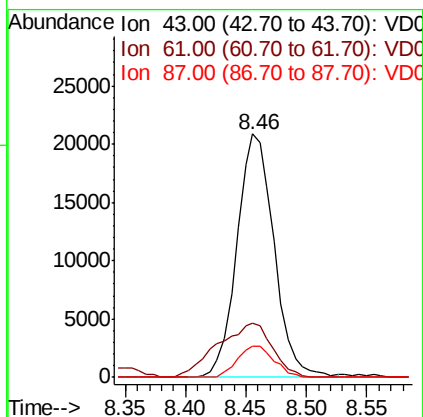
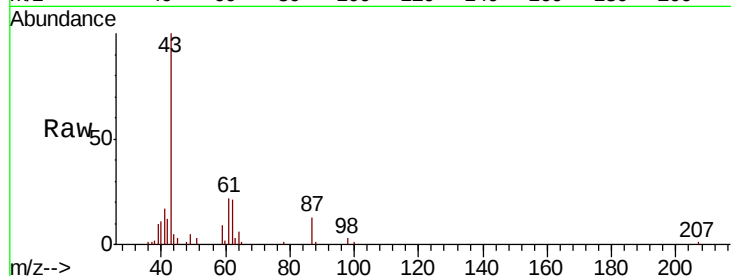




#43
Isopropyl Acetate
Concen: 20.527 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

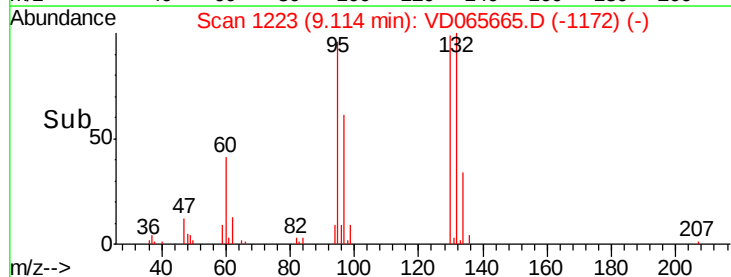
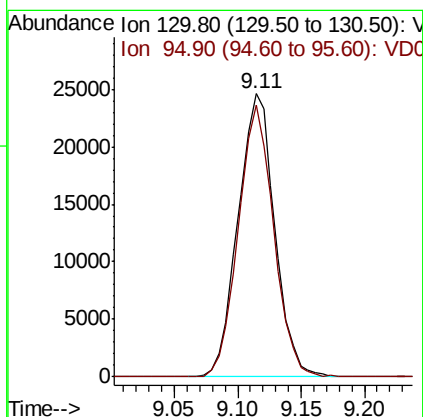
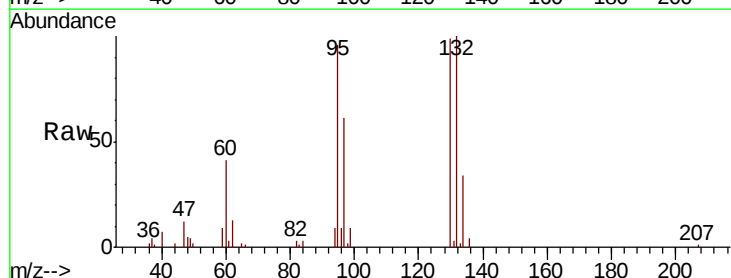
Instrument :
MSVOA_D
ClientSampleID :

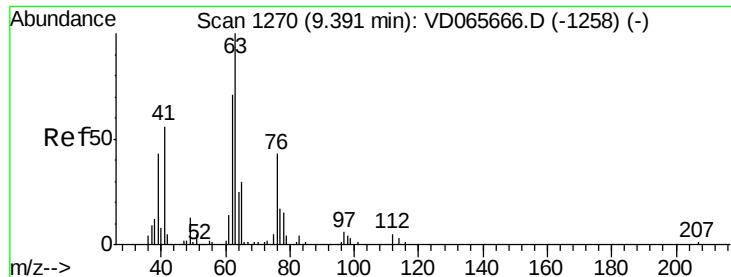
Tot Ion: 43 Resp: 44670
Ion Ratio Lower Upper
43 100
61 32.5 24.7 37.1
87 12.6 10.6 16.0



#44
Trichloroethene
Concen: 20.119 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 130 Resp: 49357
Ion Ratio Lower Upper
130 100
95 96.1 0.0 183.2





#45

1,2-Dichloropropane

Concen: 20.492 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

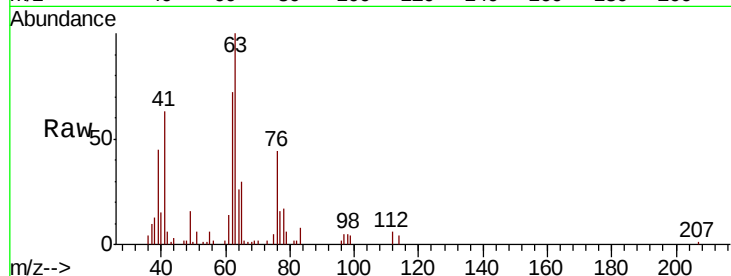
ClientSampleId :

Tot Ion: 63 Resp: 43864

Ion Ratio Lower Upper

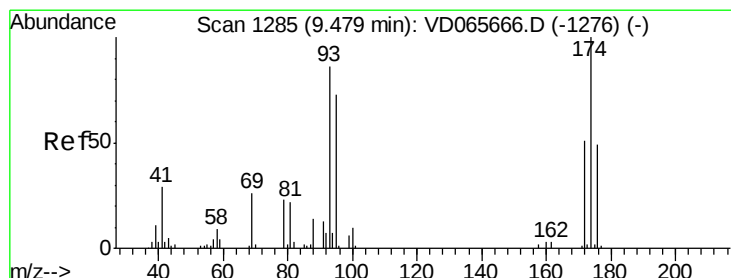
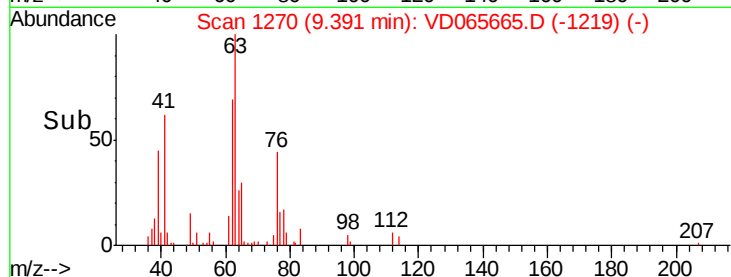
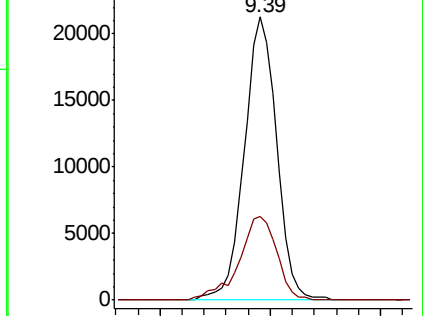
63 100

65 29.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.002 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

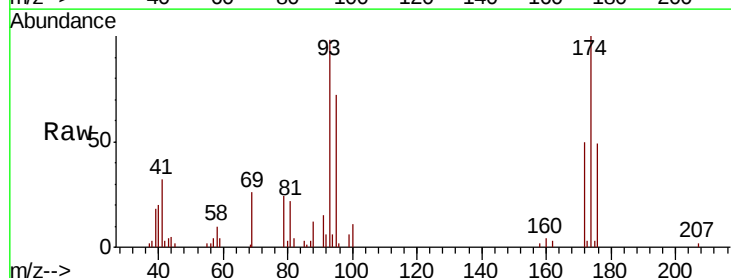
Tgt Ion: 93 Resp: 23258

Ion Ratio Lower Upper

93 100

95 81.1 66.4 99.6

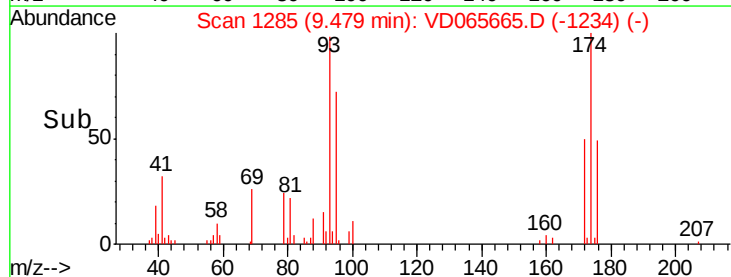
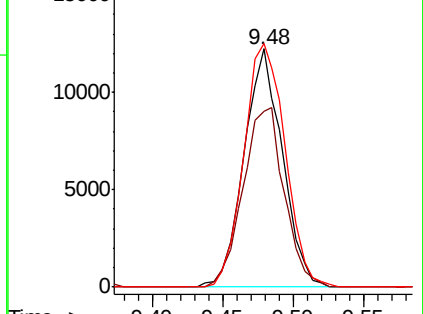
174 110.2 93.0 139.6

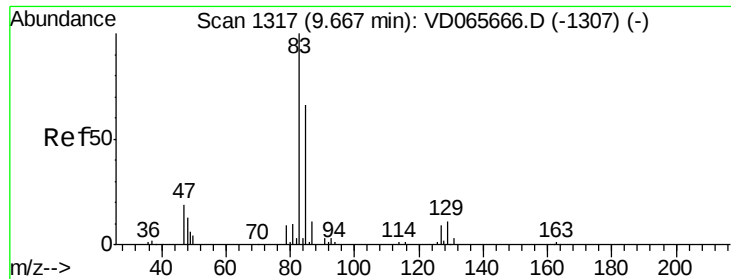


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

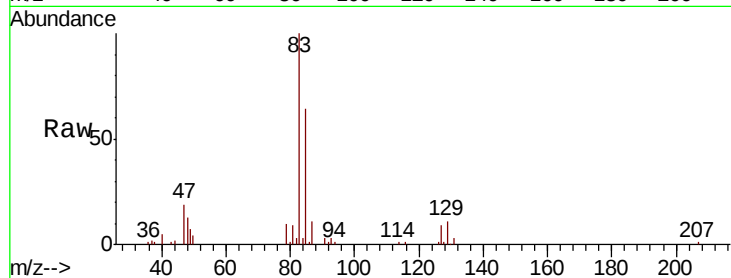




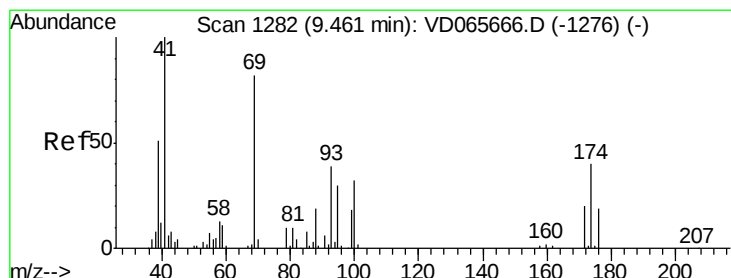
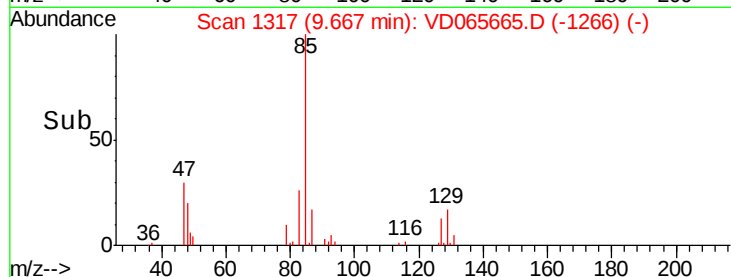
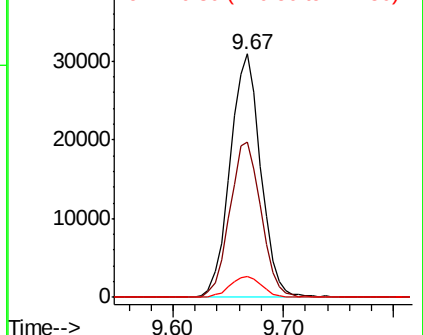
#47
Bromodichloromethane
Concen: 20.438 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	60106
Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.2	79.8
127	8.5	7.3	10.9

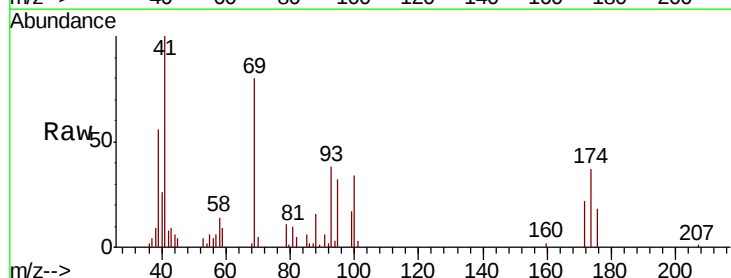


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

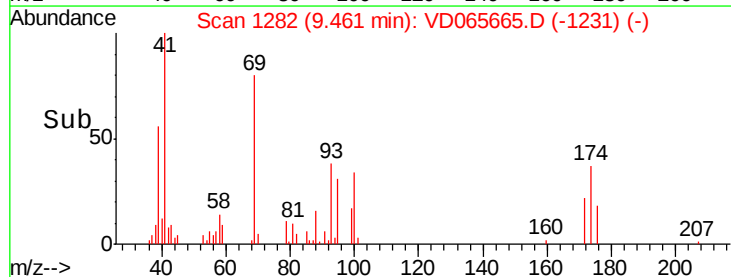
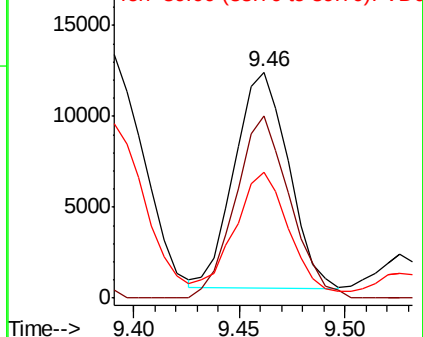


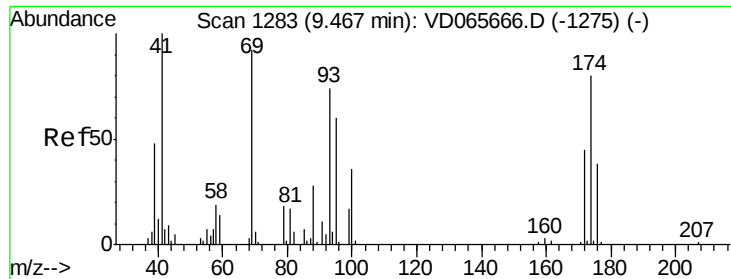
#48
Methyl methacrylate
Concen: 20.274 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion	41	Resp	21086
Ion	Ratio	Lower	Upper
41	100		
69	85.1	69.5	104.3
39	54.0	41.6	62.4



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: 432.028 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

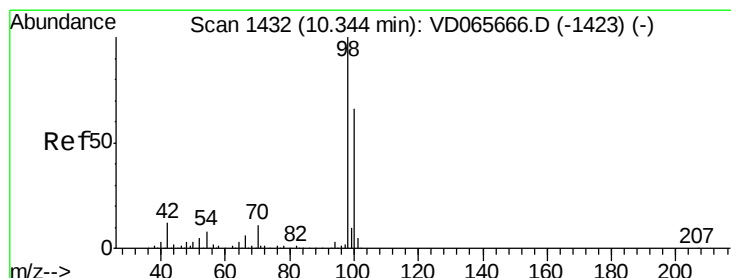
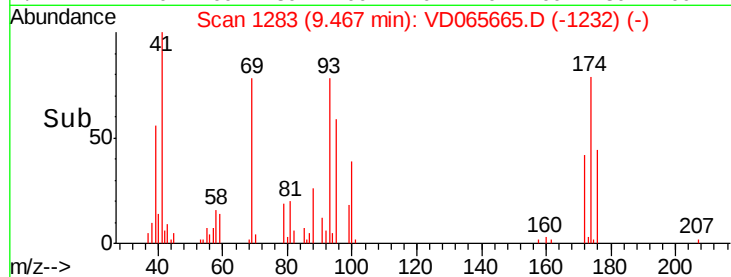
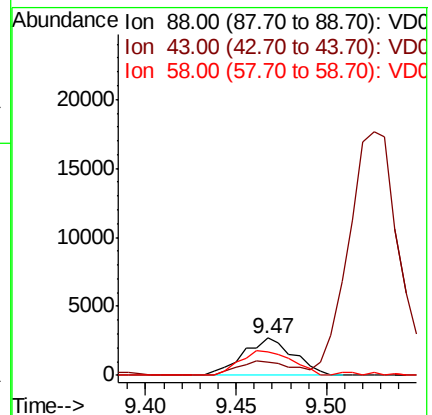
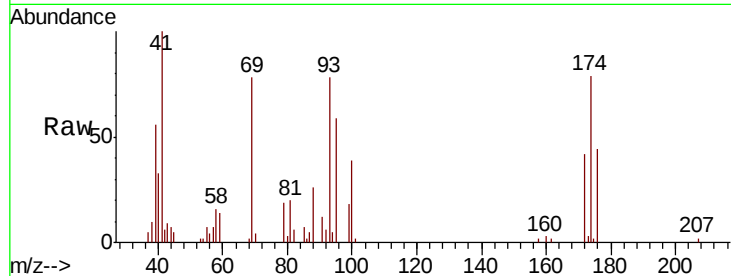
Tot Ion: 88 Resp: 5278

Ion Ratio Lower Upper

88 100

43 40.4 31.3 46.9

58 67.2 58.0 87.0



#50

Toluene-d8

Concen: 20.168 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065665.D

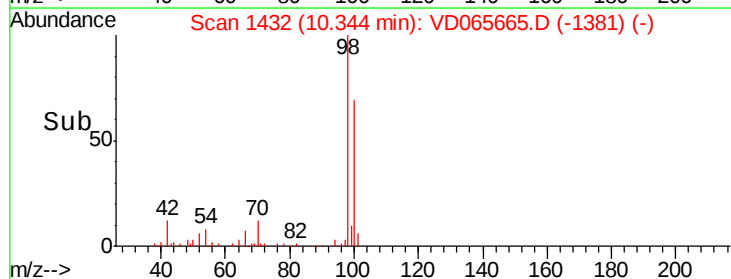
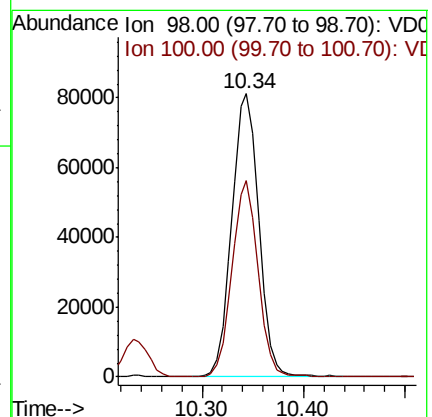
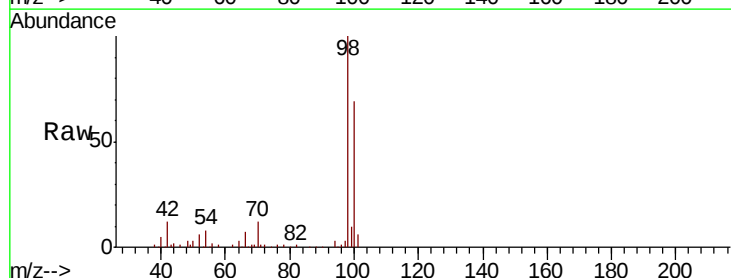
Acq: 22 Apr 2020 14:37

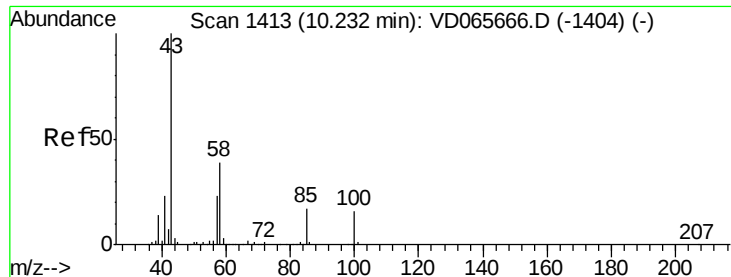
Tgt Ion: 98 Resp: 150346

Ion Ratio Lower Upper

98 100

100 66.7 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 109.329 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

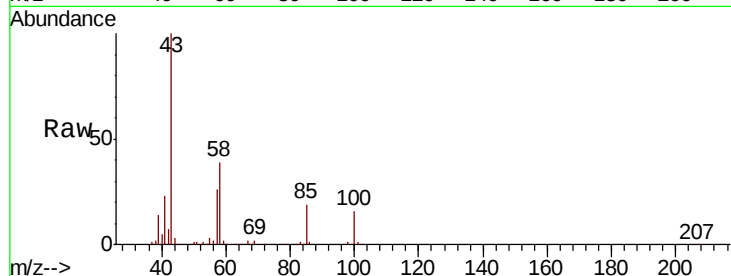
ClientSampleId :

Tot Ion: 43 Resp: 120514

Ion Ratio Lower Upper

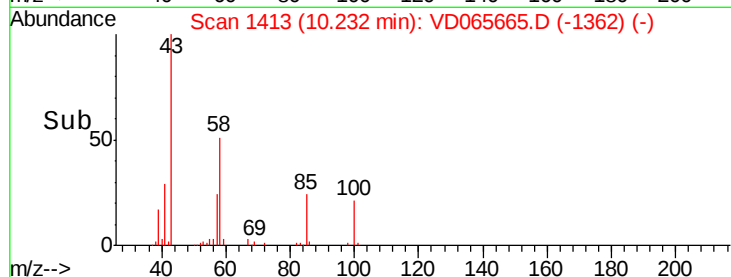
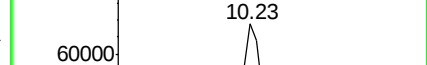
43 100

58 37.7 31.1 46.7

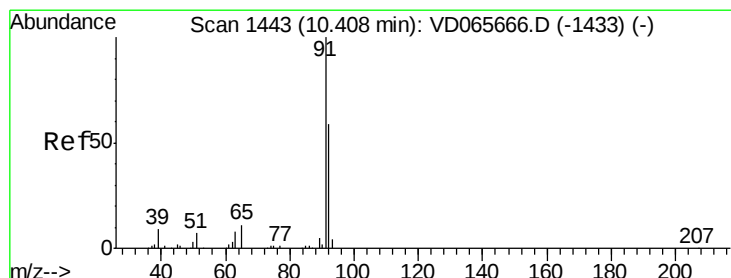


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#52

Toluene

Concen: 20.484 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065665.D

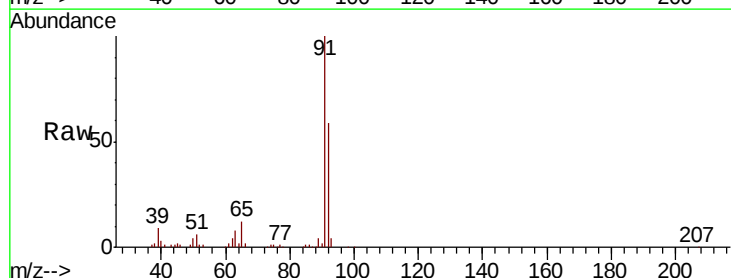
Acq: 22 Apr 2020 14:37

Tgt Ion: 92 Resp: 110700

Ion Ratio Lower Upper

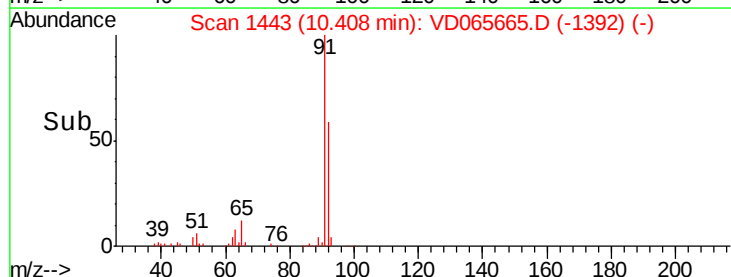
92 100

91 169.8 135.9 203.9

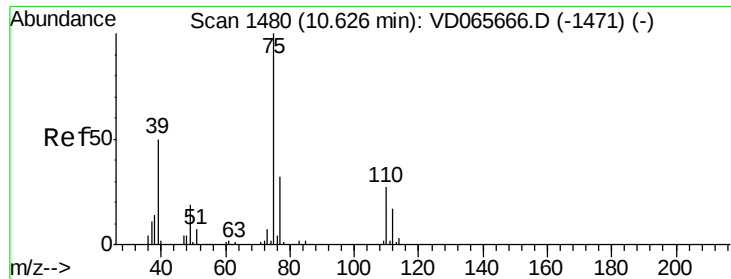


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#53

t-1,3-Dichloropropene

Concen: 20.433 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

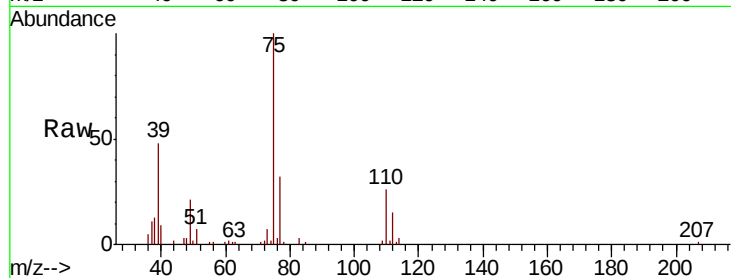
ClientSampleId :

Tot Ion: 75 Resp: 54538

Ion Ratio Lower Upper

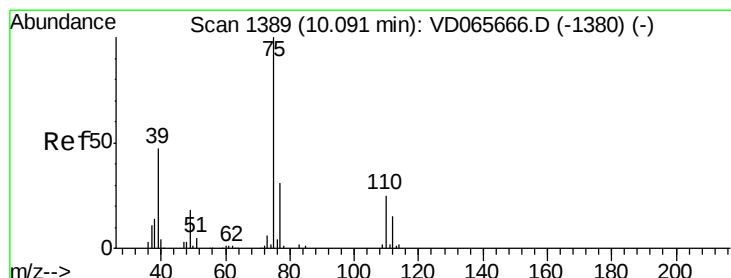
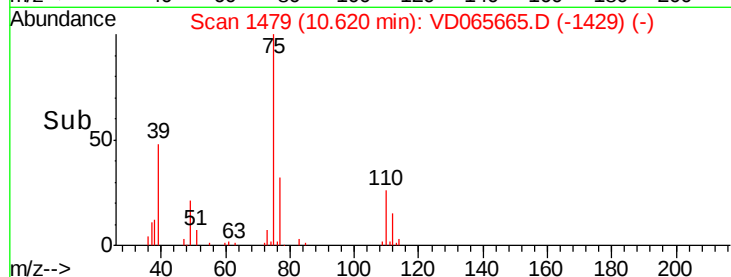
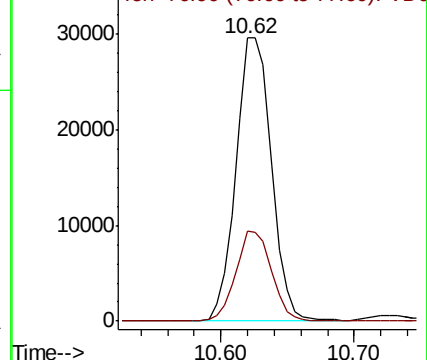
75 100

77 31.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.296 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

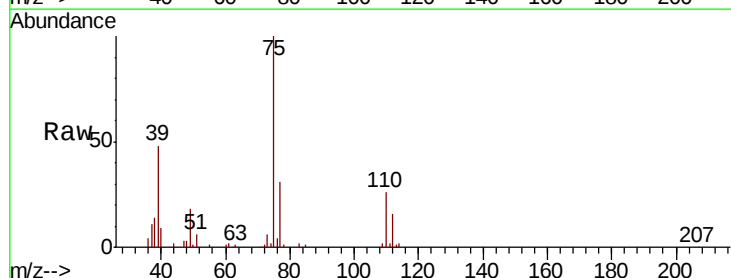
Tgt Ion: 75 Resp: 66255

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

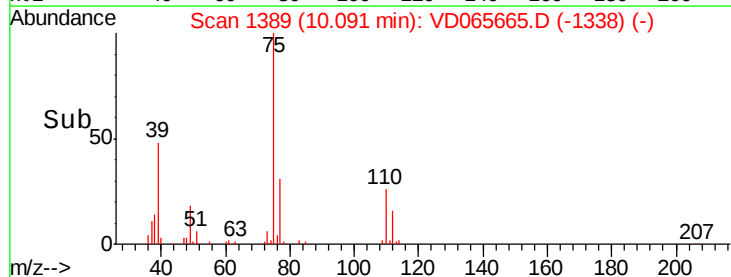
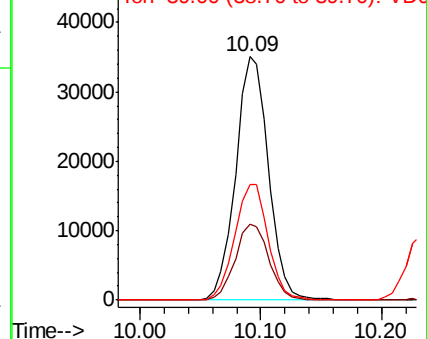
39 47.6 37.9 56.9

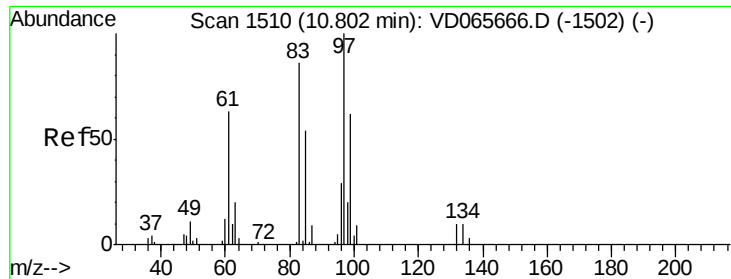


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

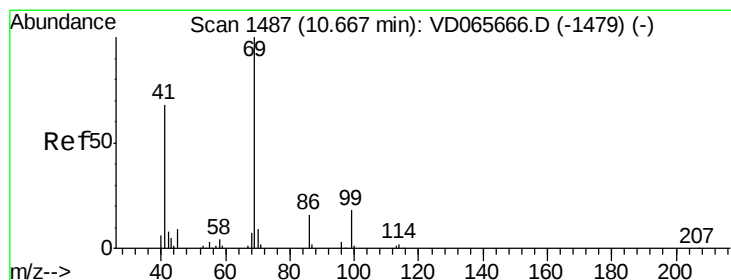
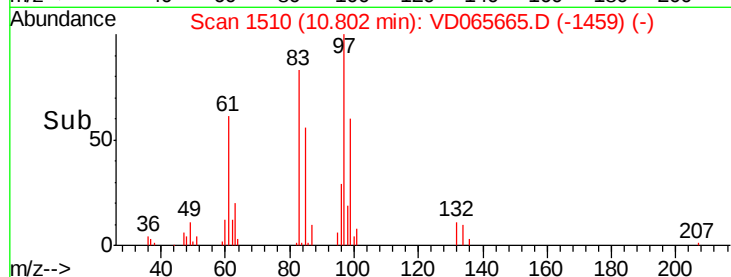
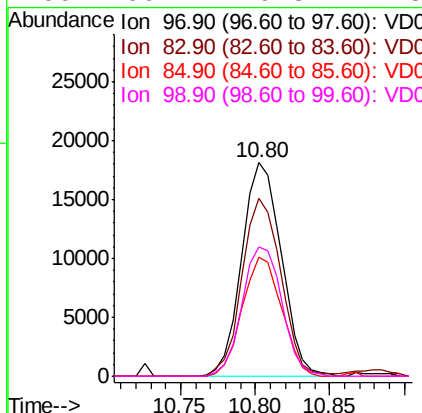
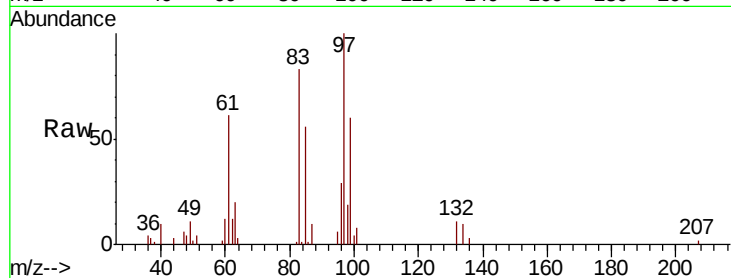




#55
 1,1,2-Trichloroethane
 Concen: 21.548 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

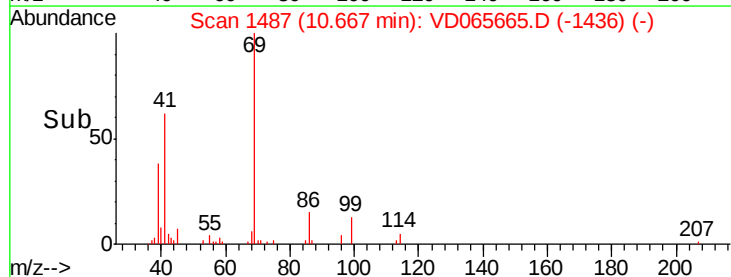
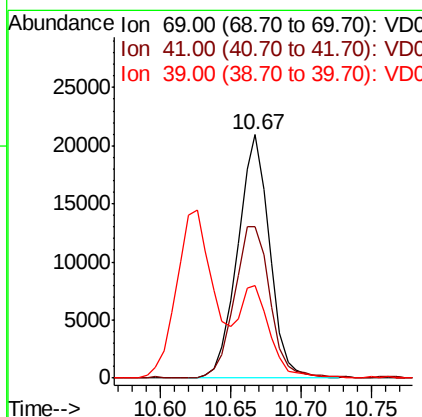
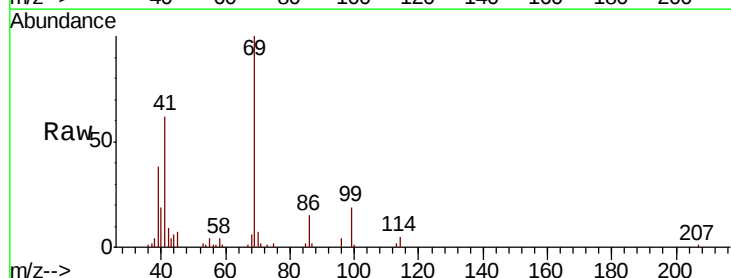
Instrument :
 MSVOA_D
 ClientSampleId :

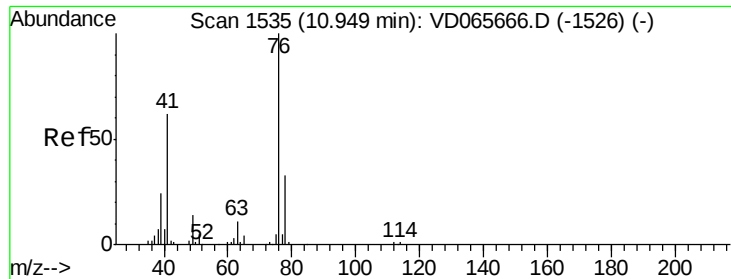
Tot Ion:	97	Resp:	33393
Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.5	102.7
85	55.8	43.0	64.6
99	60.4	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 19.887 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion:	69	Resp:	33072
Ion	Ratio	Lower	Upper
69	100		
41	70.3	58.3	87.5
39	36.2	29.5	44.3

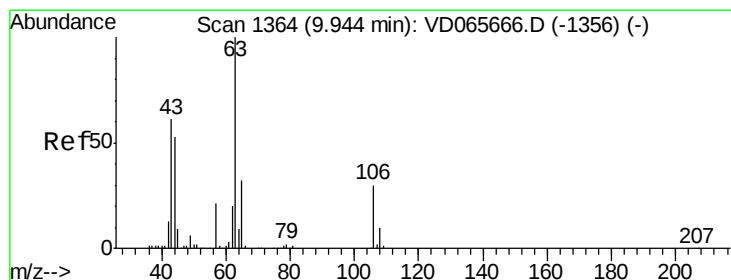
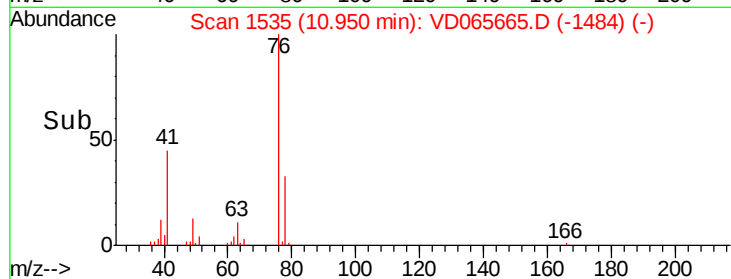
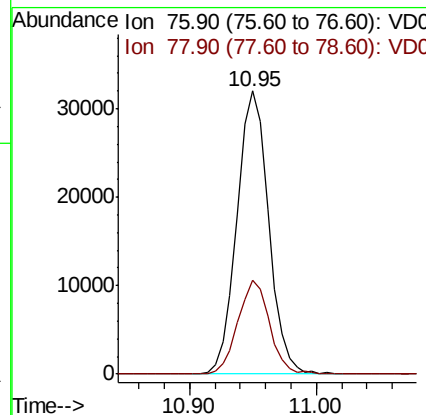
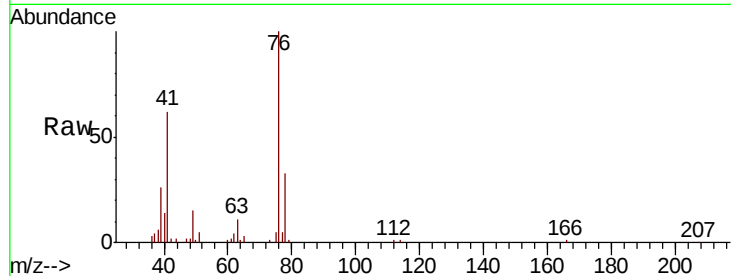




#57
 1,3-Dichloropropane
 Concen: 20.958 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

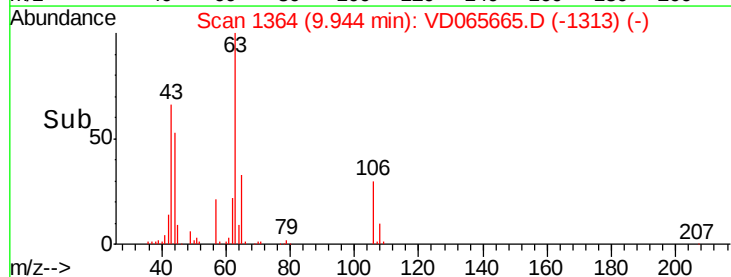
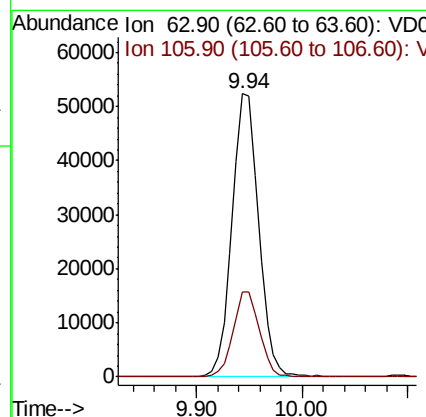
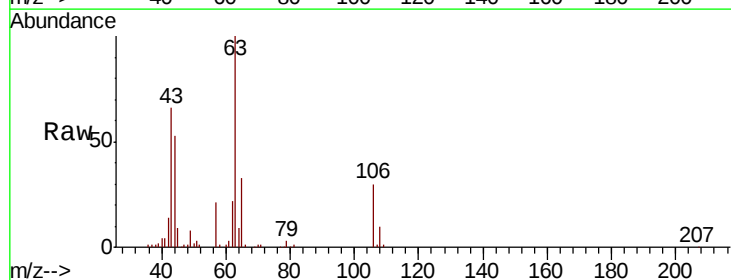
Instrument :
 MSVOA_D
 ClientSampleId :

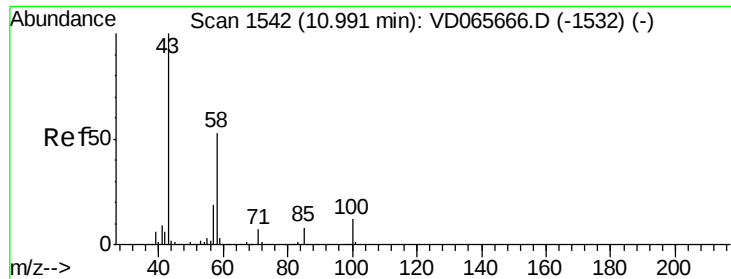
Tot Ion: 76 Resp: 55310
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.719 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion: 63 Resp: 91185
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.7 35.5

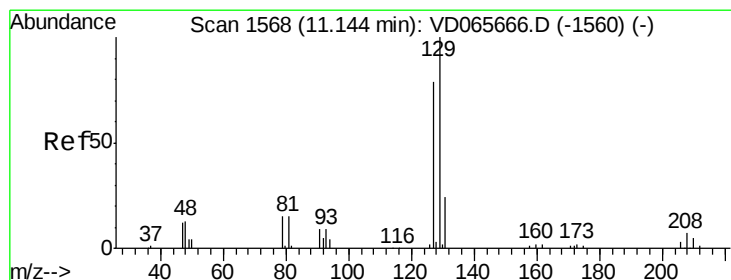
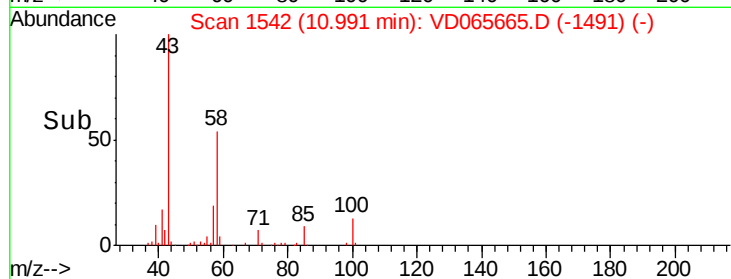
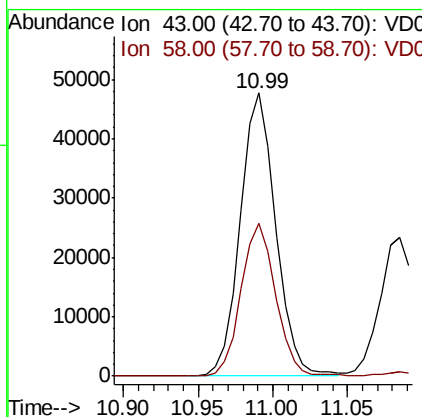
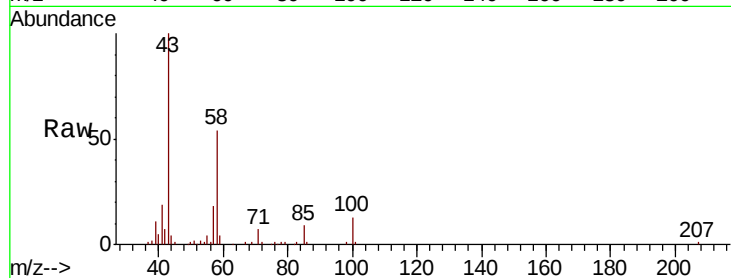




#59
2-Hexanone
Concen: 105.319 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

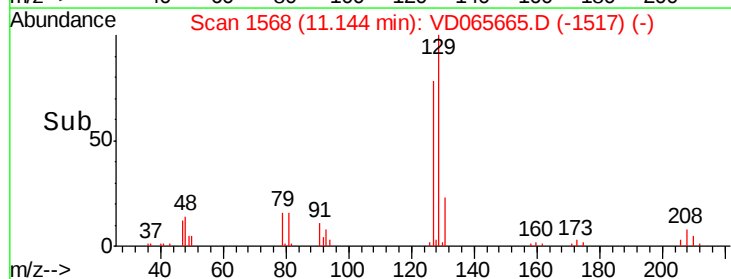
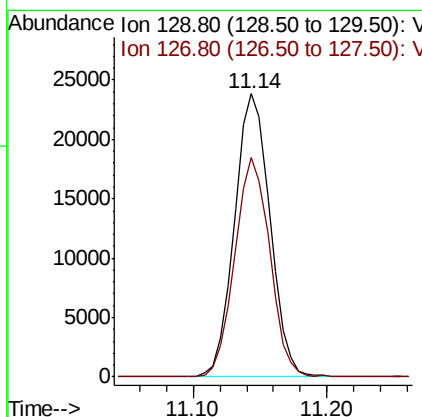
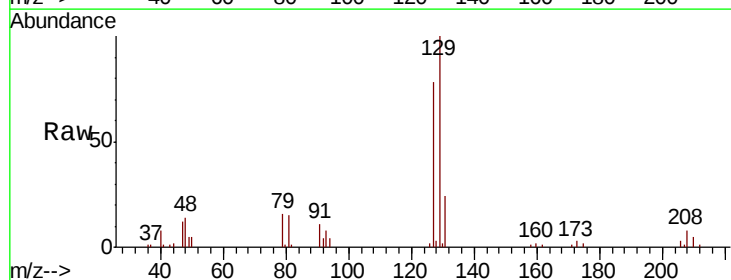
Instrument :
MSVOA_D
ClientSampled :

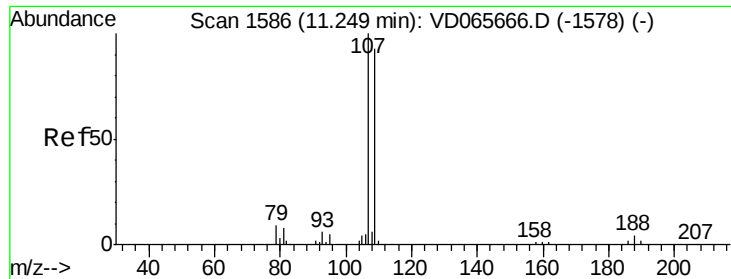
Tot Ion: 43 Resp: 78768
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9



#60
Dibromochloromethane
Concen: 21.312 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion: 129 Resp: 43875
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

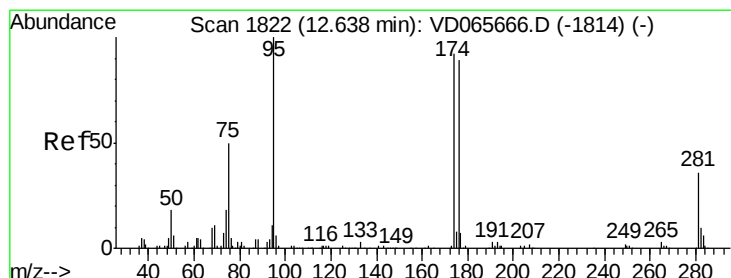
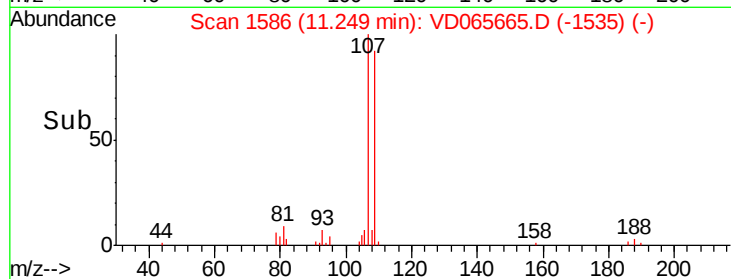
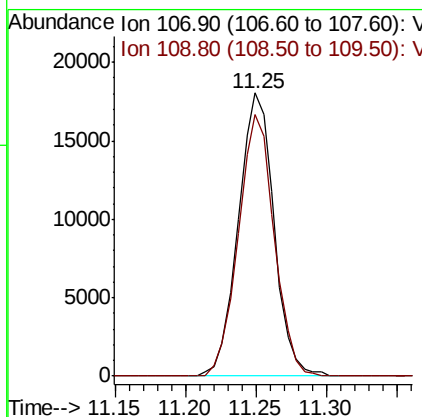
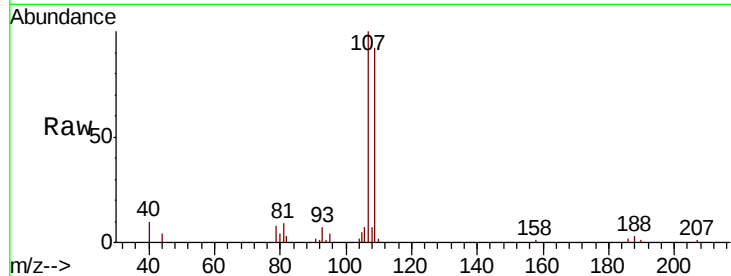




#61
 1,2-Dibromoethane
 Concen: 21.268 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

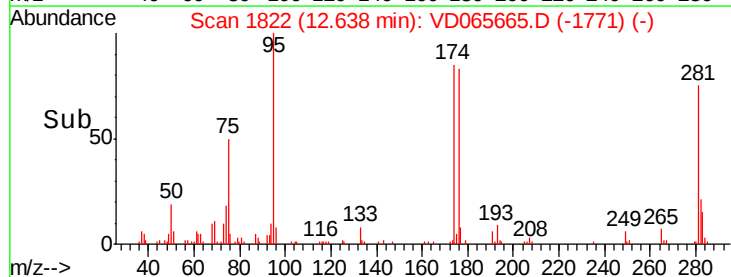
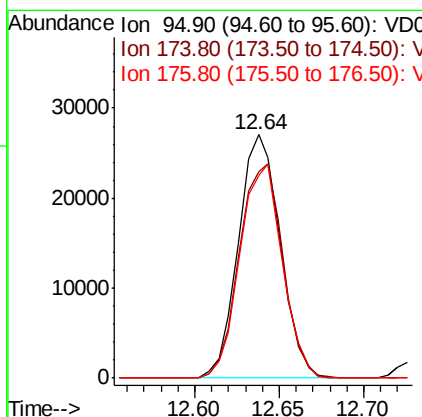
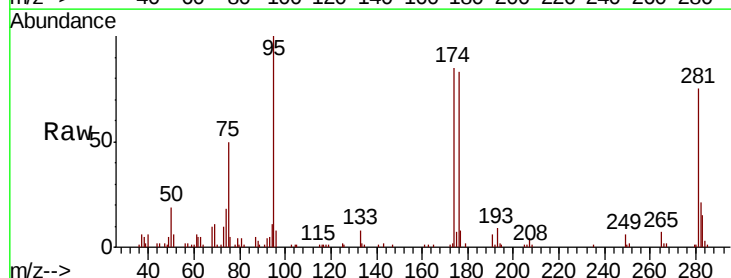
Instrument :
 MSVOA_D
 ClientSampleId :

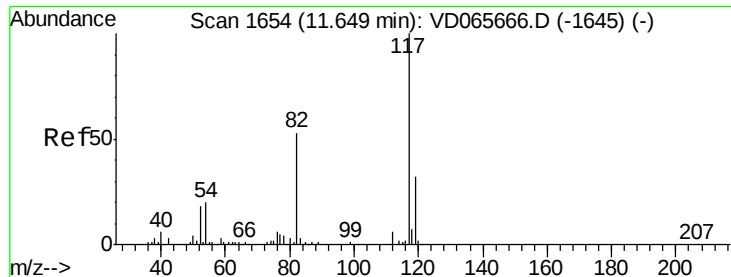
Tot Ion:107 Resp: 31885
 Ion Ratio Lower Upper
 107 100
 109 92.4 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 18.879 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion: 95 Resp: 46358
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 186.4
 176 89.2 0.0 178.4

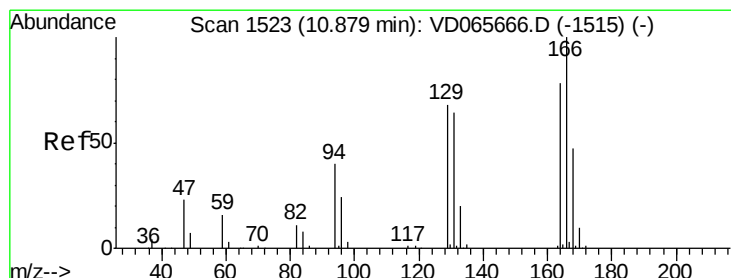
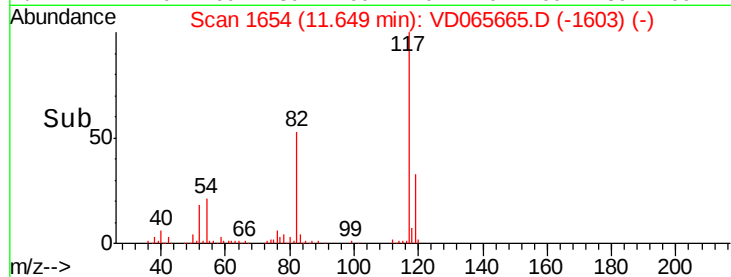
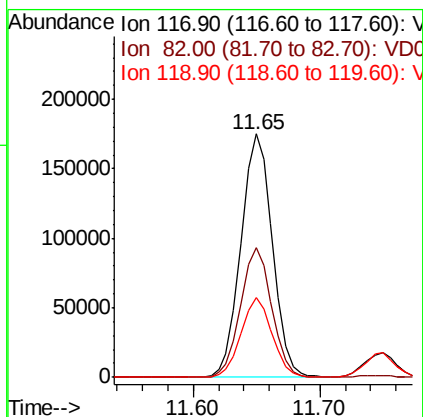
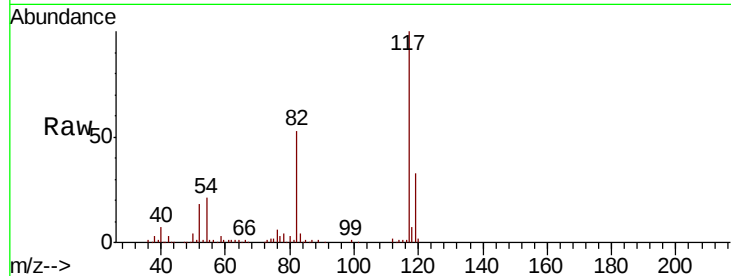




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

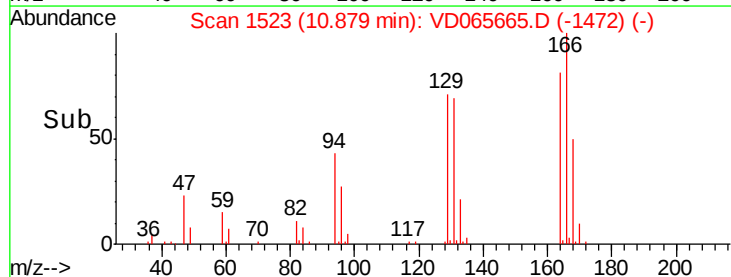
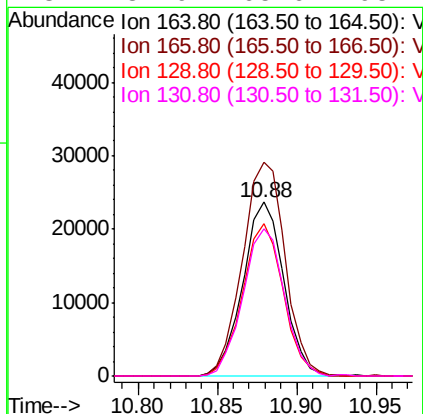
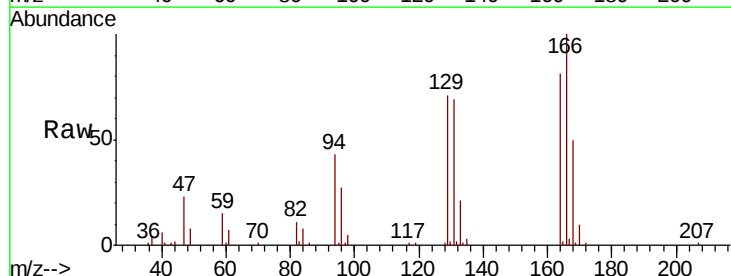
Instrument :
MSVOA_D
ClientSampleId :

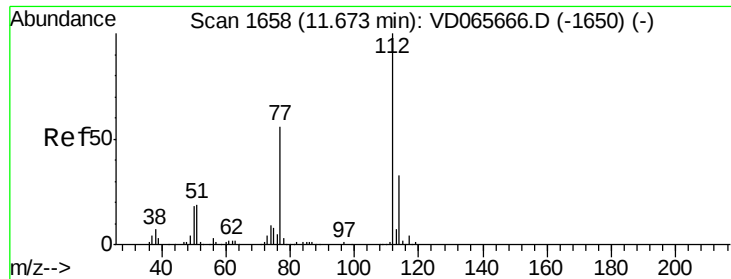
Tot Ion:117 Resp: 302640
Ion Ratio Lower Upper
117 100
82 53.2 42.7 64.1
119 32.9 25.9 38.9



#64
Tetrachloroethene
Concen: 20.173 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:164 Resp: 42244
Ion Ratio Lower Upper
164 100
166 123.0 102.0 153.0
129 87.4 69.3 103.9
131 84.9 65.6 98.4

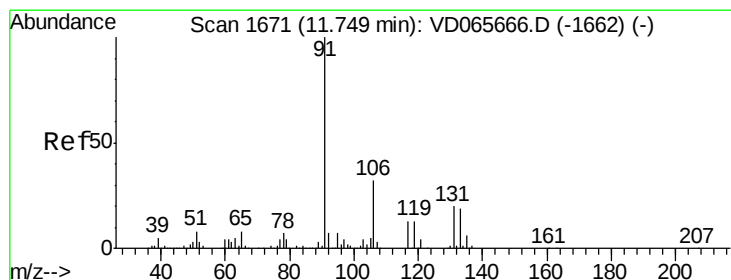
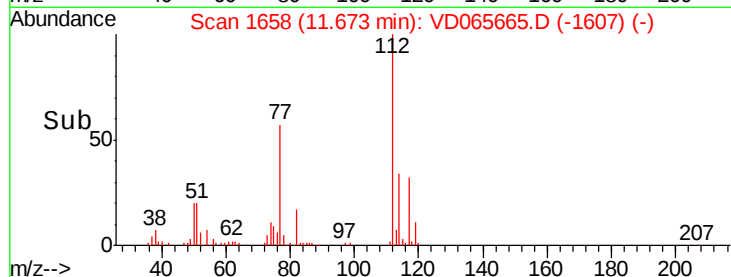
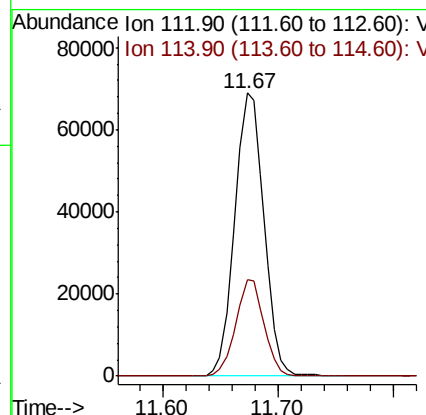
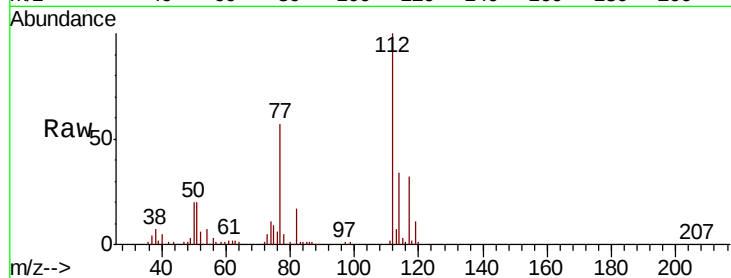




#65
Chlorobenzene
Concen: 20.765 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

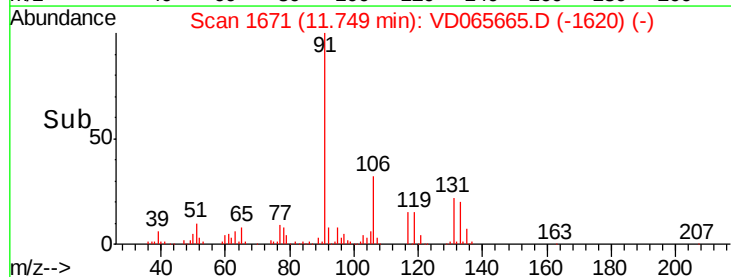
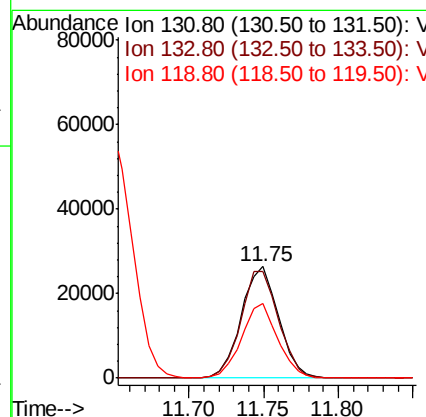
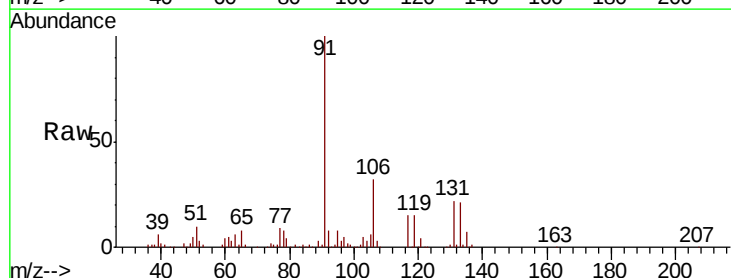
Instrument :
MSVOA_D
ClientSampleId :

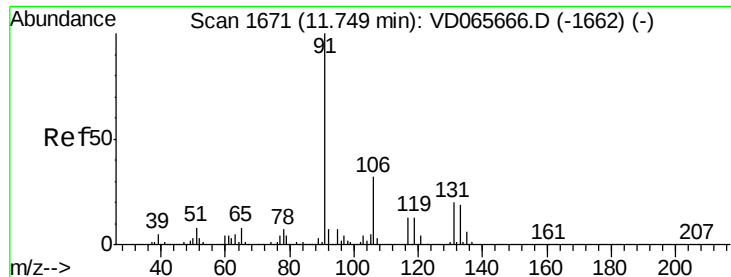
Tot Ion:112 Resp: 120673
Ion Ratio Lower Upper
112 100
114 34.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.478 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:131 Resp: 45479
Ion Ratio Lower Upper
131 100
133 98.1 48.6 145.8
119 65.6 32.3 96.9





#67

Ethyl Benzene

Concen: 20.334 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

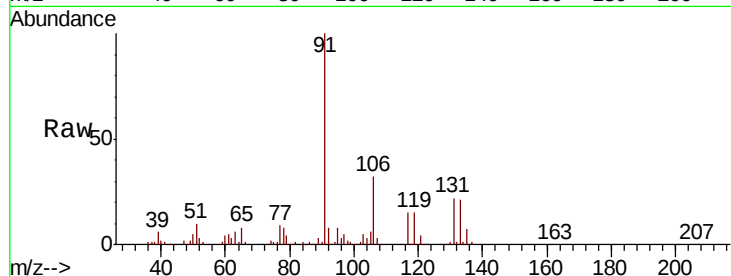
ClientSampled :

Tot Ion: 91 Resp: 201927

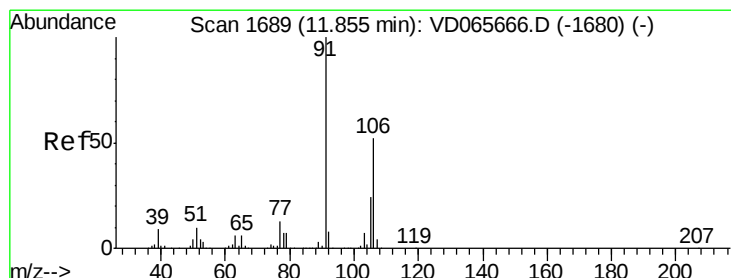
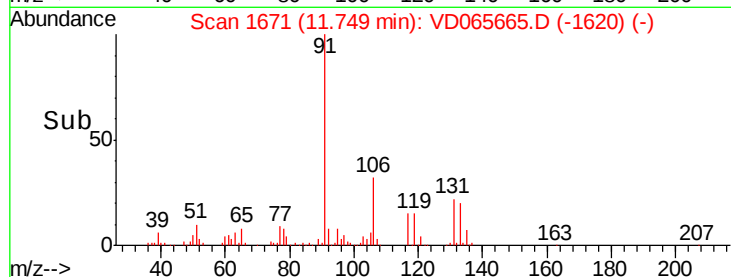
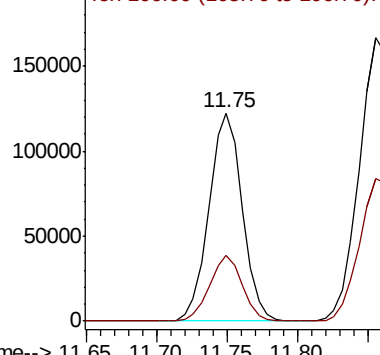
Ion Ratio Lower Upper

91 100

106 31.6 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 41.986 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065665.D

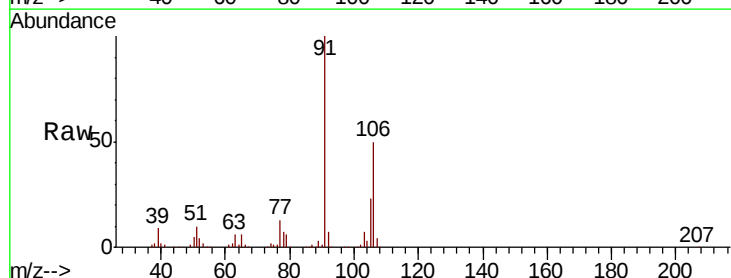
Acq: 22 Apr 2020 14:37

Tgt Ion: 106 Resp: 161281

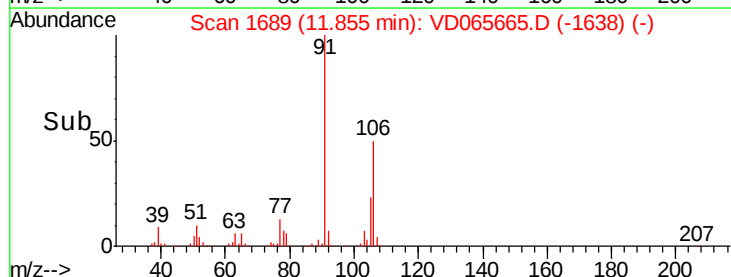
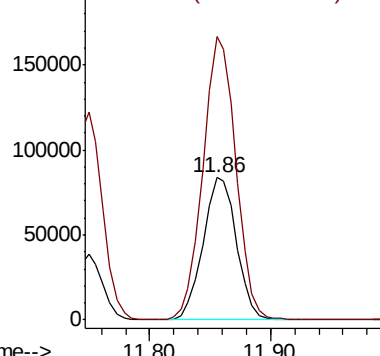
Ion Ratio Lower Upper

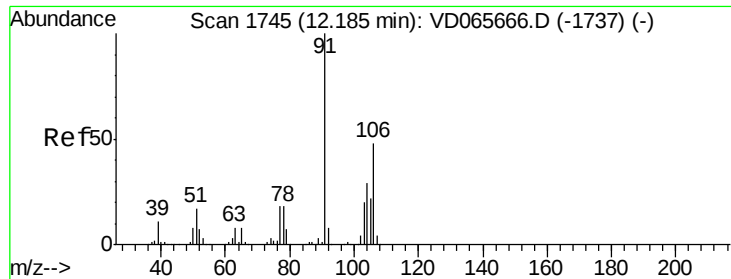
106 100

91 196.2 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

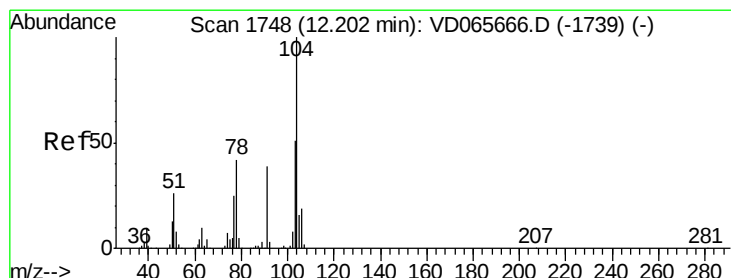
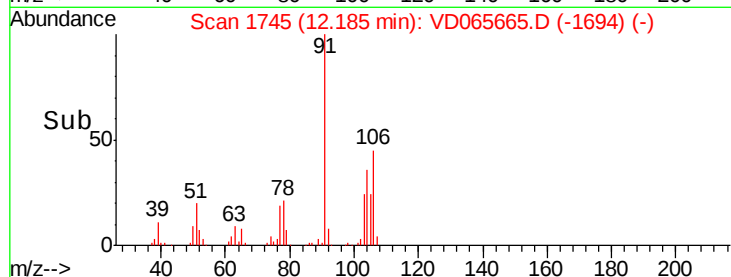
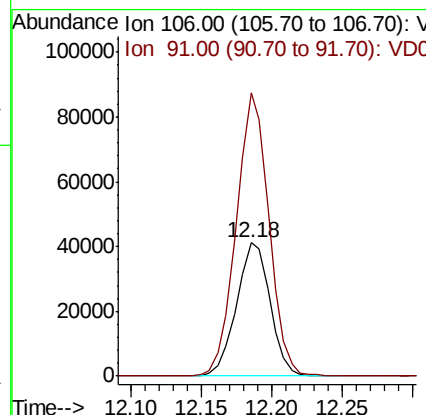
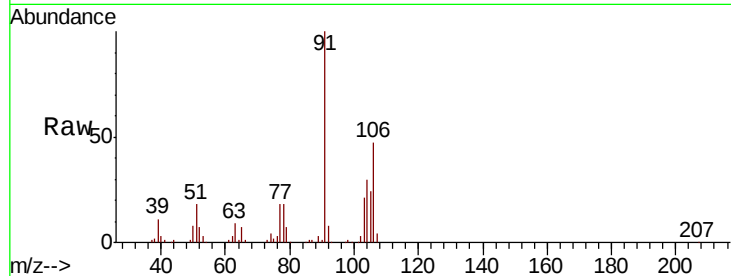




#69
o-Xylene
Concen: 20.444 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

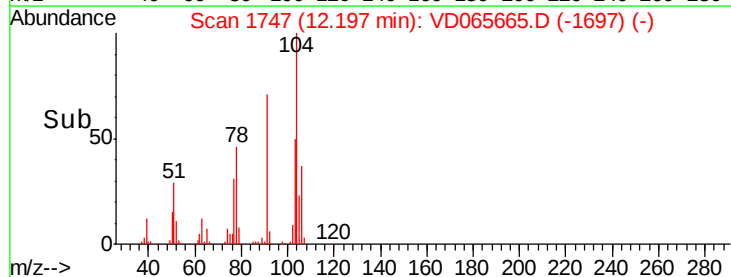
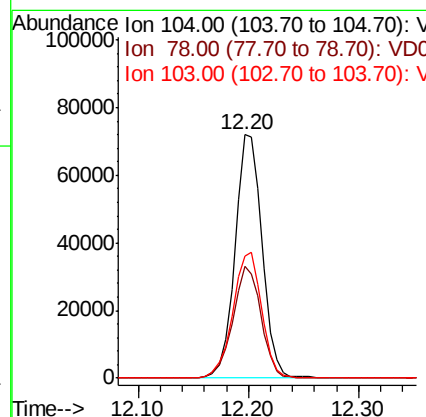
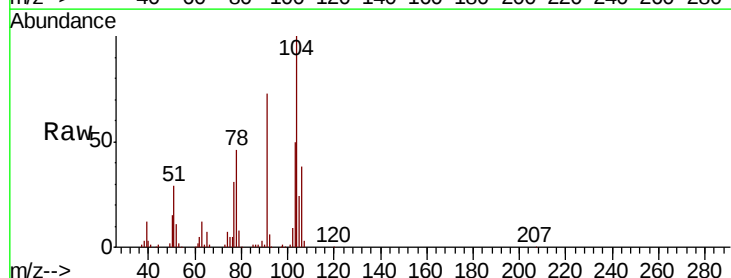
Instrument :
MSVOA_D
ClientSampleId :

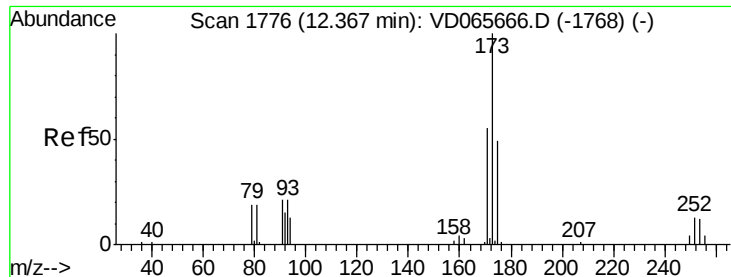
Tot Ion:106 Resp: 68413
Ion Ratio Lower Upper
106 100
91 206.6 103.6 310.9



#70
Styrene
Concen: 20.857 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:104 Resp: 123676
Ion Ratio Lower Upper
104 100
78 48.1 37.4 56.0
103 55.2 43.6 65.4

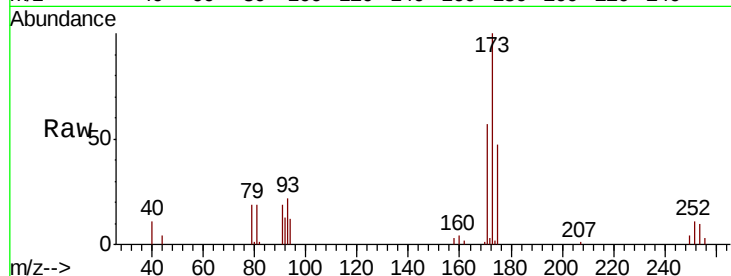




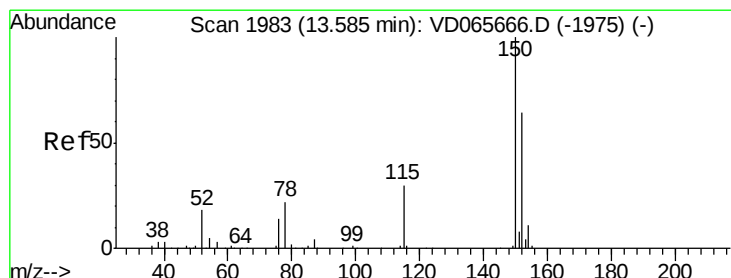
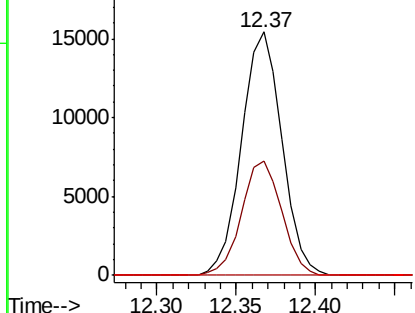
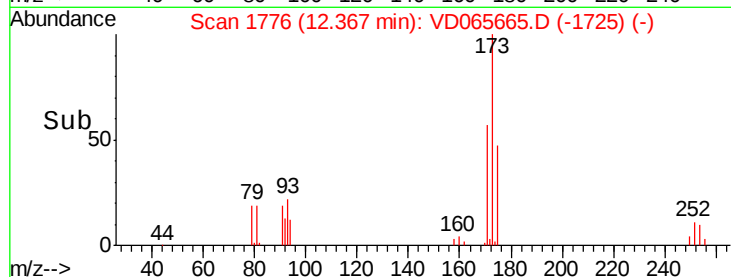
#71
Bromoform
Concen: 21.943 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 27294
Ion Ratio Lower Upper
173 100
175 46.8 23.9 71.7
254 0.0 0.0 0.0

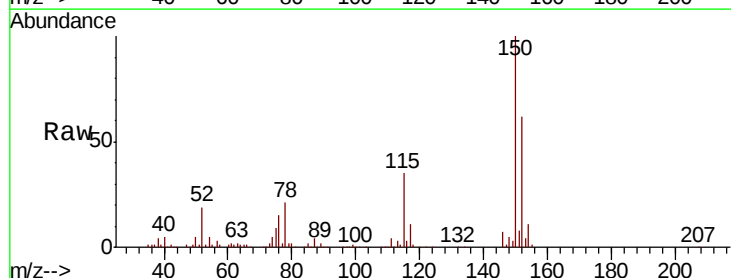


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

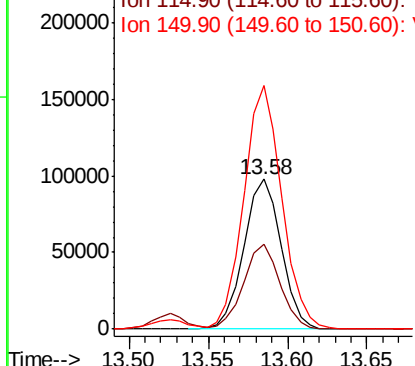
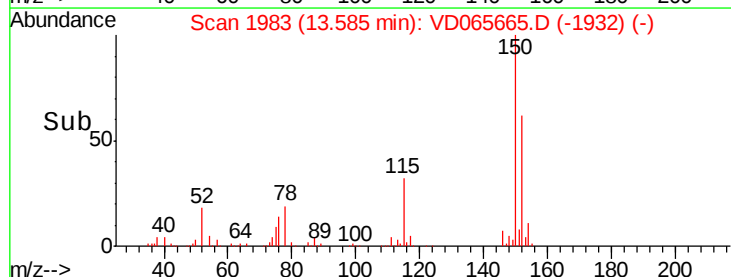


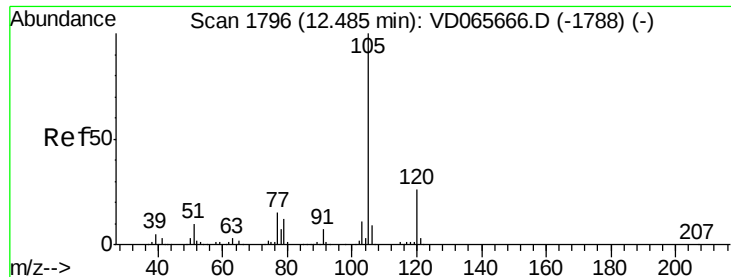
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:152 Resp: 159847
Ion Ratio Lower Upper
152 100
115 55.3 27.4 82.0
150 165.1 0.0 339.0



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: 19.806 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

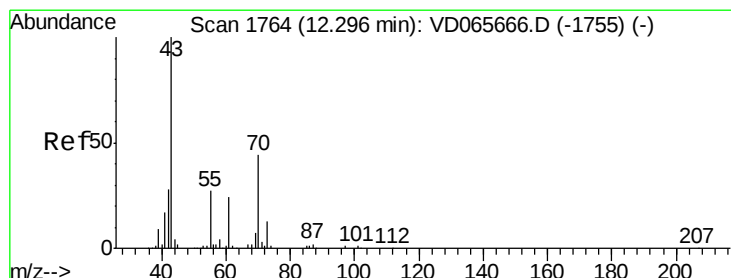
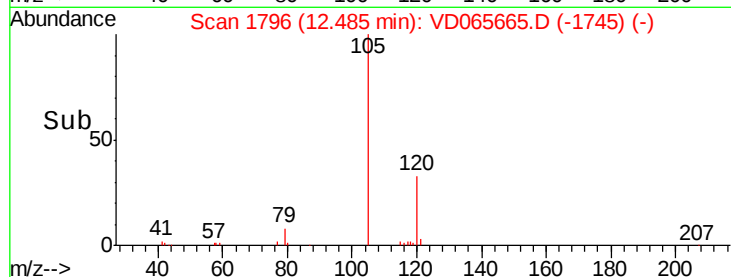
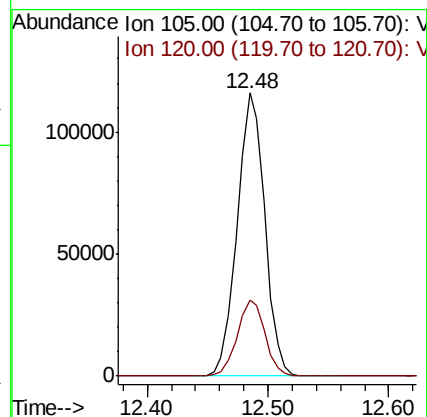
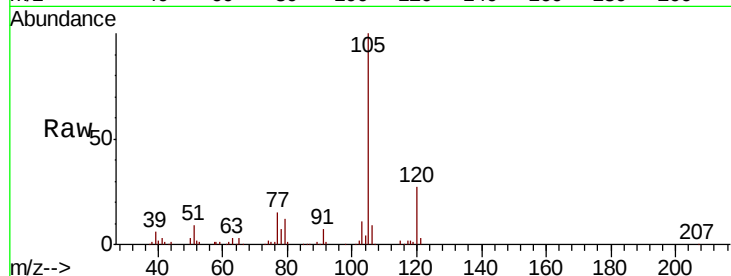
ClientSampleId :

Tot Ion:105 Resp: 184570

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 20.758 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Tgt Ion: 43 Resp: 40754

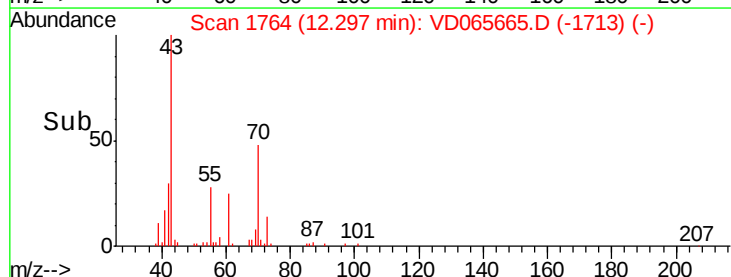
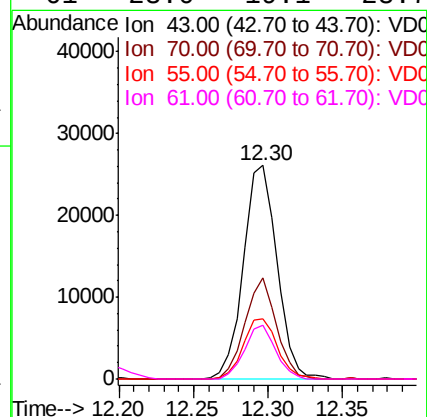
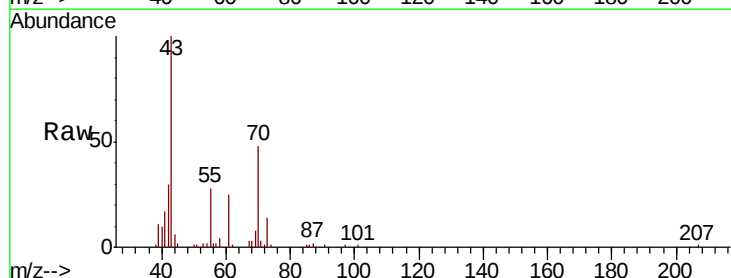
Ion Ratio Lower Upper

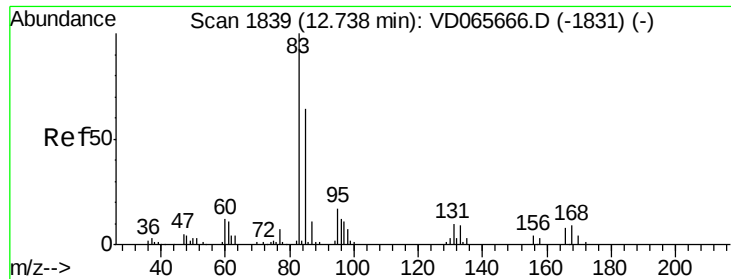
43 100

70 43.9 34.6 51.8

55 29.0 22.3 33.5

61 23.0 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.604 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

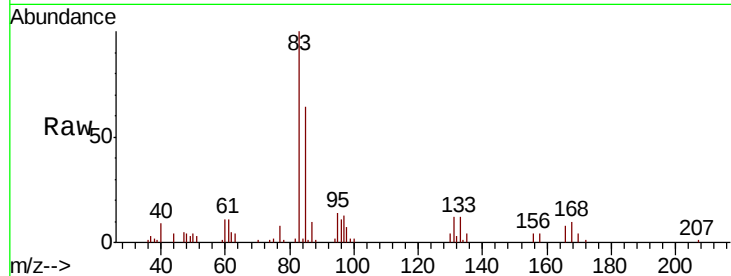
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 34757

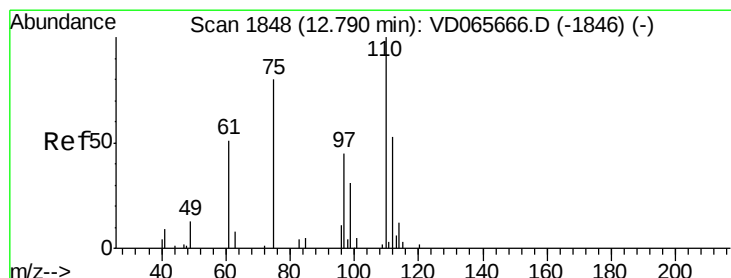
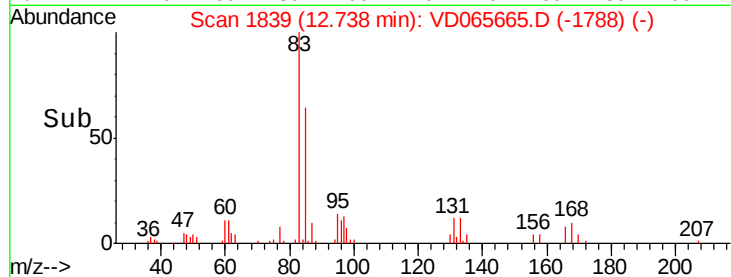
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.7	17.1
85	63.8	31.9	95.9



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: 38.702 ug/l

RT: 12.79 min Scan# 1848

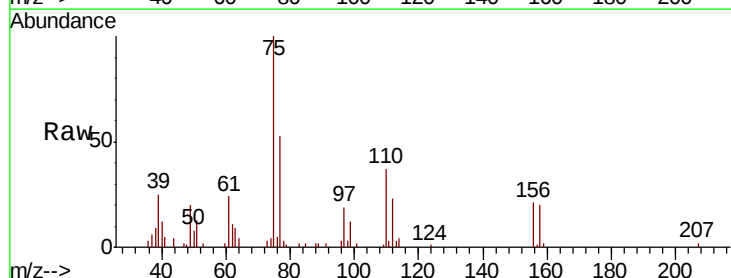
Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

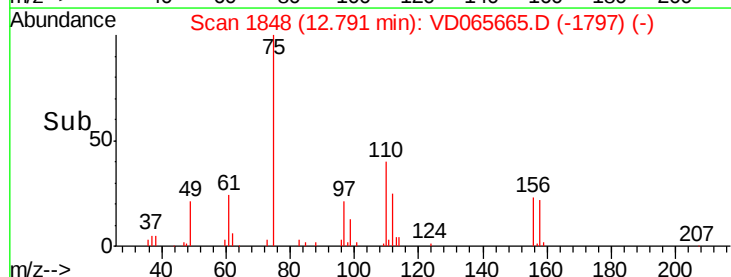
Tgt Ion: 75 Resp: 46661

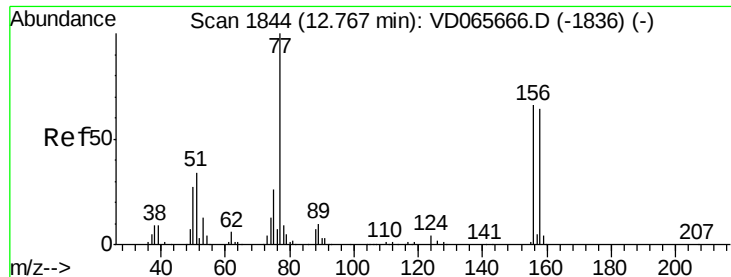
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.499 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

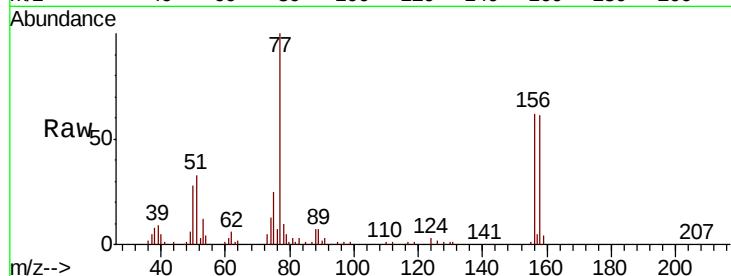
Tot Ion:156 Resp: 50561

Ion Ratio Lower Upper

156 100

77 166.1 85.8 257.3

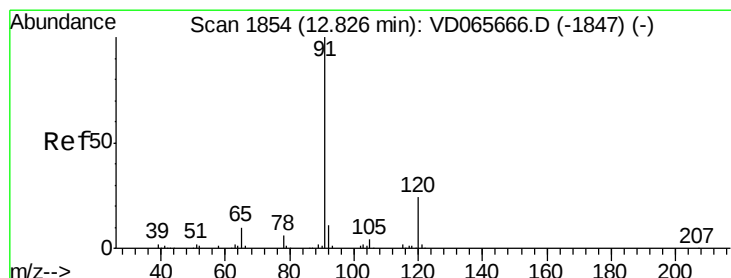
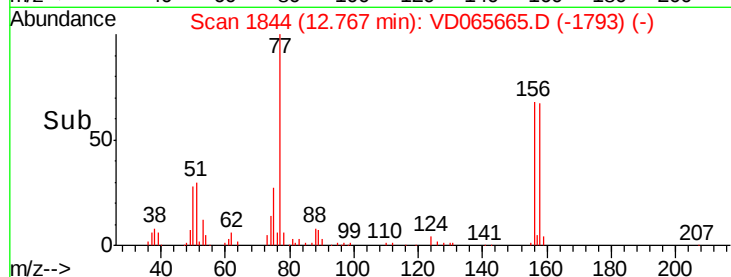
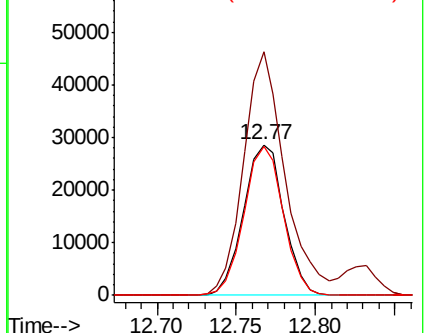
158 96.3 49.9 149.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.294 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065665.D

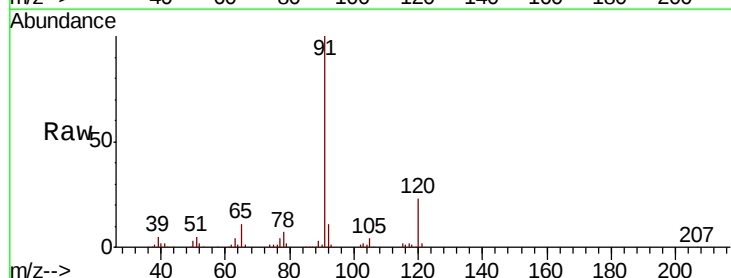
Acq: 22 Apr 2020 14:37

Tgt Ion: 91 Resp: 228839

Ion Ratio Lower Upper

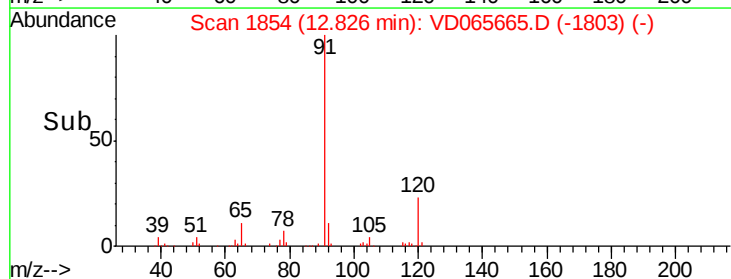
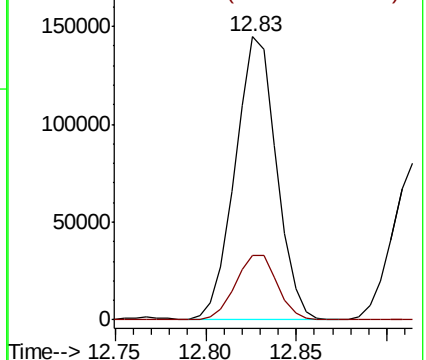
91 100

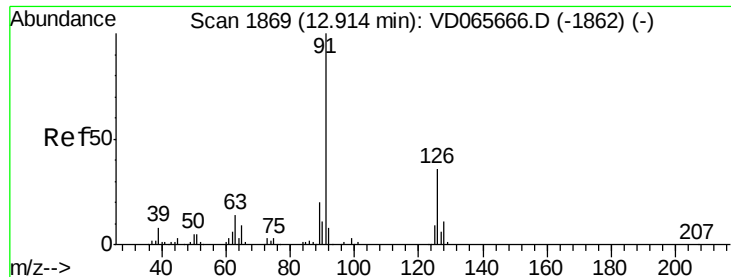
120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.270 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

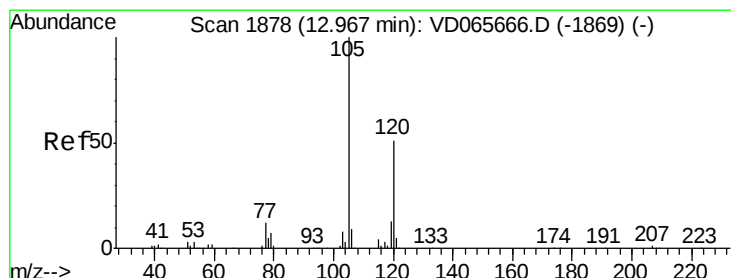
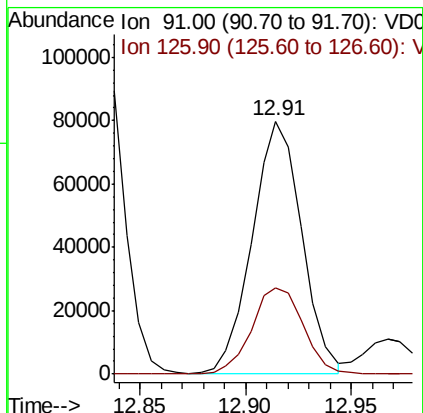
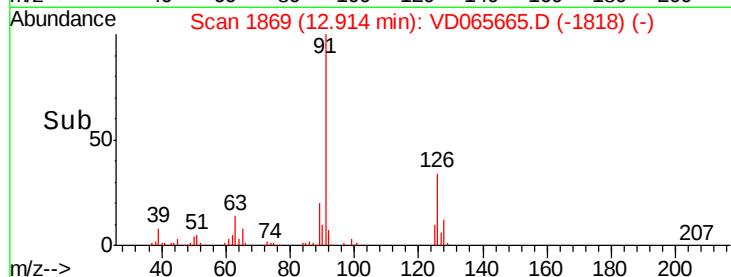
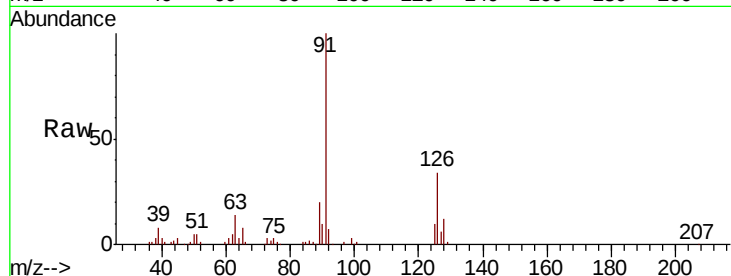
ClientSampleId :

Tot Ion: 91 Resp: 130030

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 20.610 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065665.D

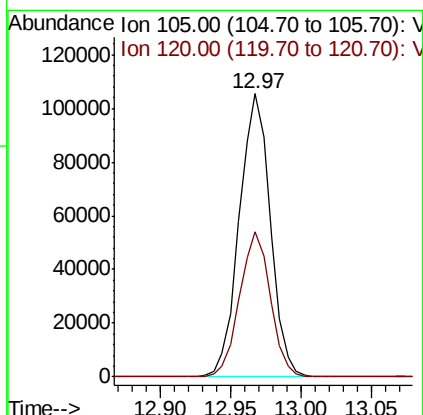
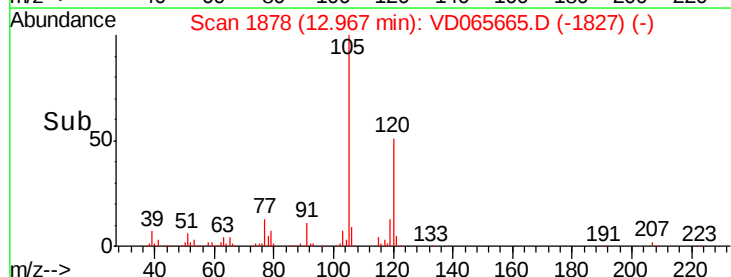
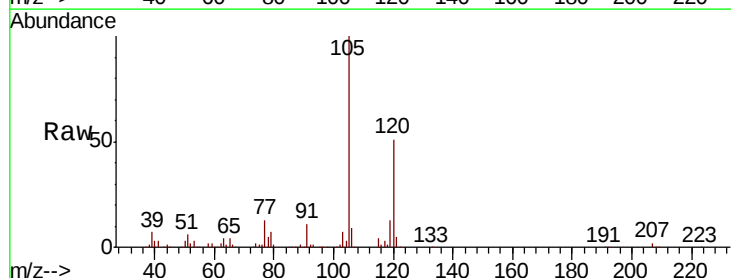
Acq: 22 Apr 2020 14:37

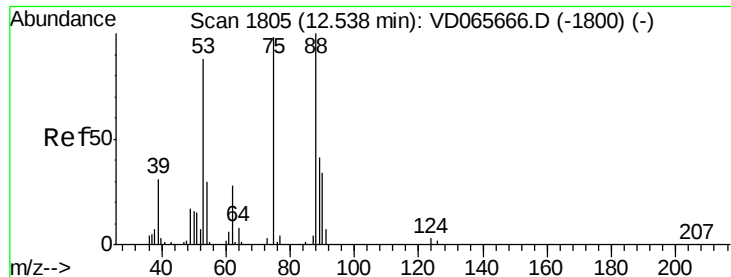
Tgt Ion:105 Resp: 162237

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.333 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

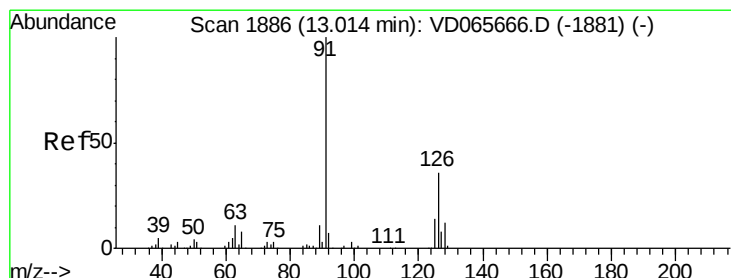
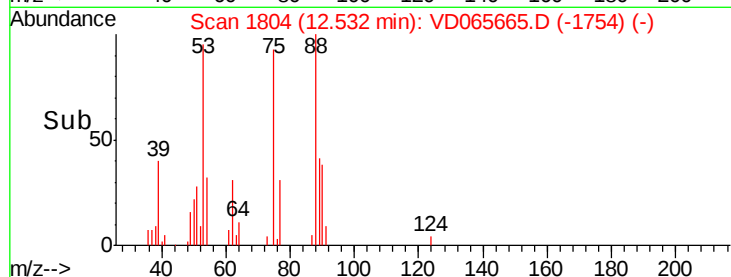
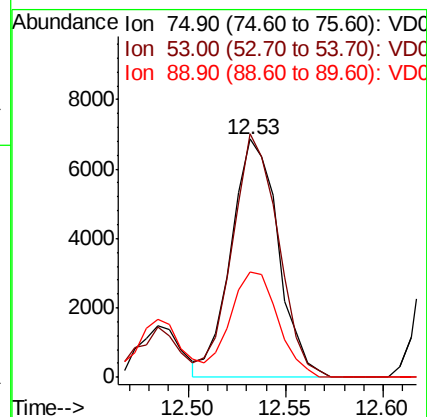
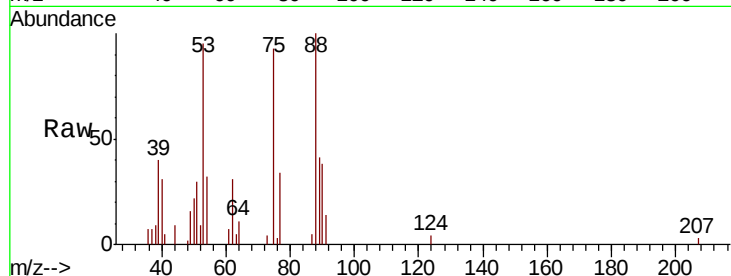
Tot Ion: 75 Resp: 11479

Ion Ratio Lower Upper

75 100

53 100.2 76.5 114.7

89 44.7 35.0 52.6



#82

4-Chlorotoluene

Concen: 20.636 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065665.D

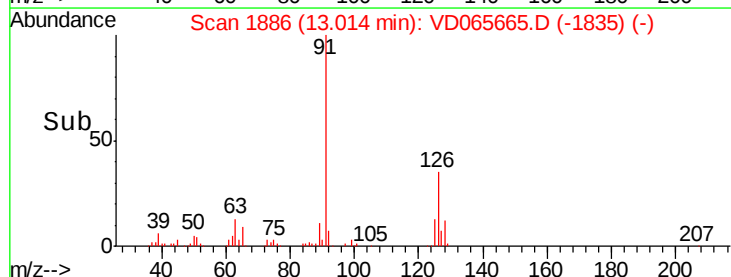
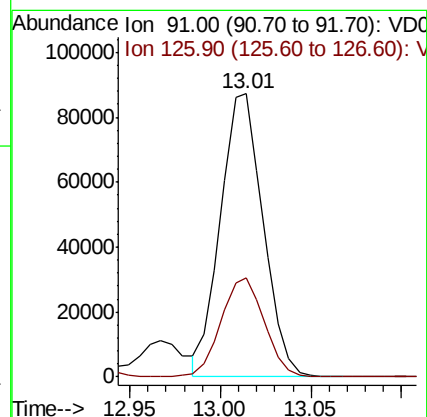
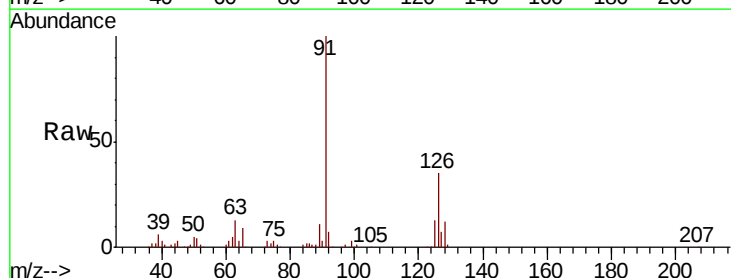
Acq: 22 Apr 2020 14:37

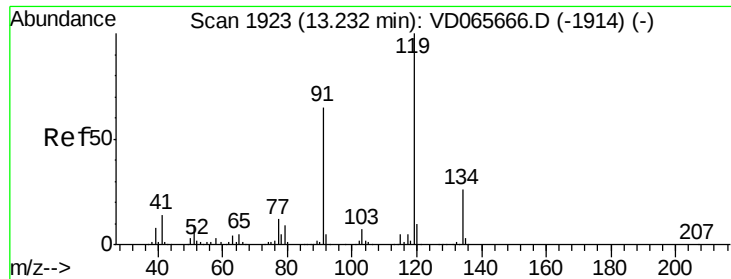
Tgt Ion: 91 Resp: 142522

Ion Ratio Lower Upper

91 100

126 35.4 17.7 53.1

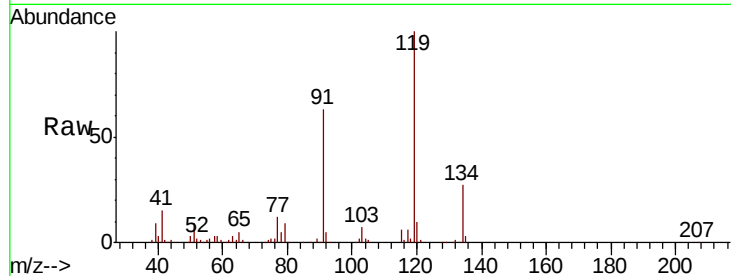




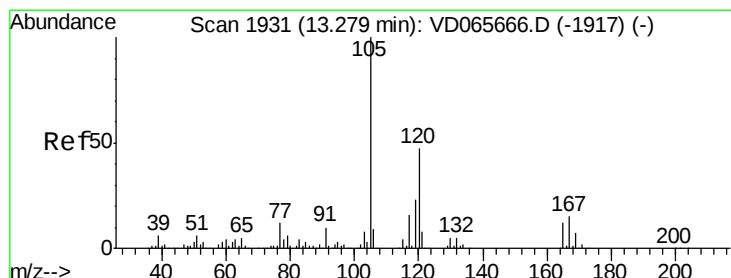
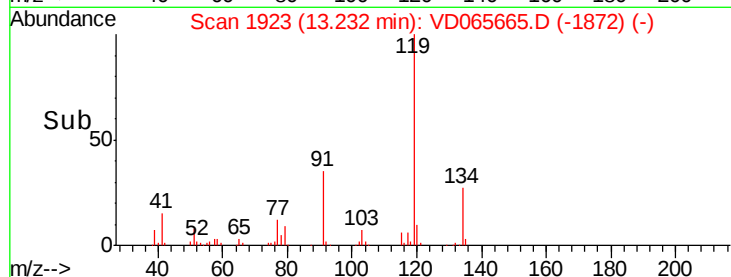
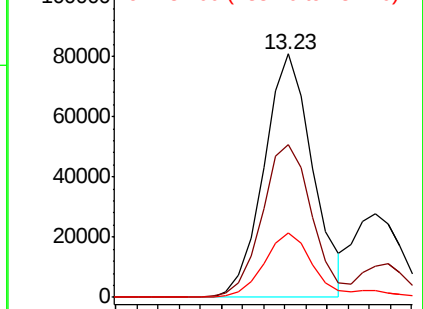
#83
tert-Butylbenzene
Concen: 19.706 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 129933
Ion Ratio Lower Upper
119 100
91 64.7 31.9 95.7
134 26.1 14.1 42.3

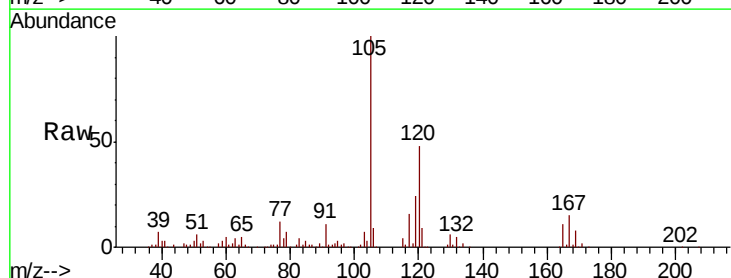


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

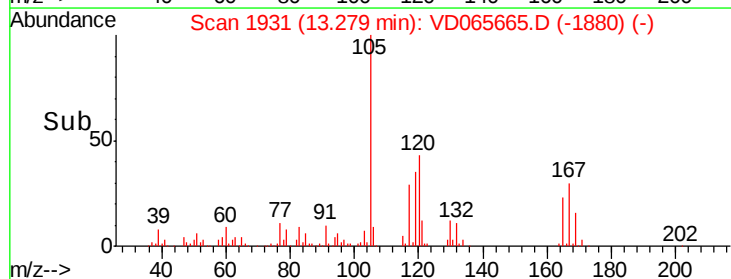
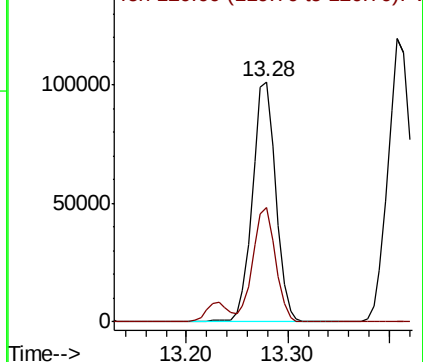


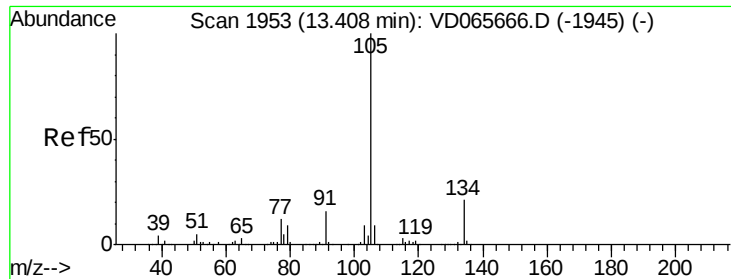
#84
1,2,4-Trimethylbenzene
Concen: 20.691 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:105 Resp: 162233
Ion Ratio Lower Upper
105 100
120 45.9 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: 19.994 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

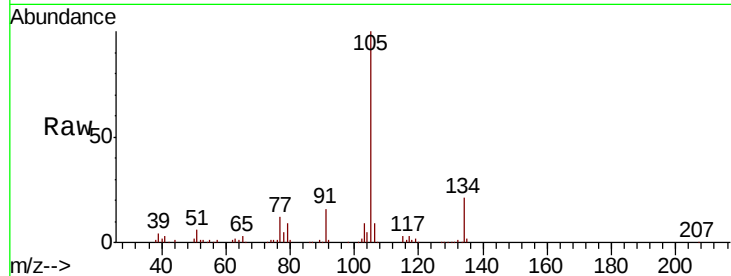
ClientSampleId :

Tot Ion:105 Resp: 188798

Ion Ratio Lower Upper

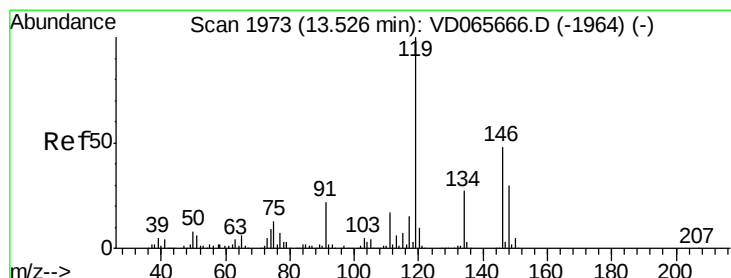
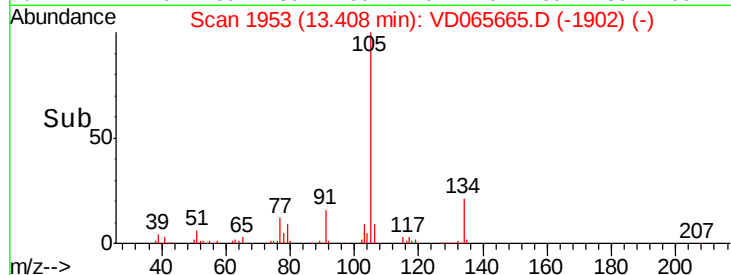
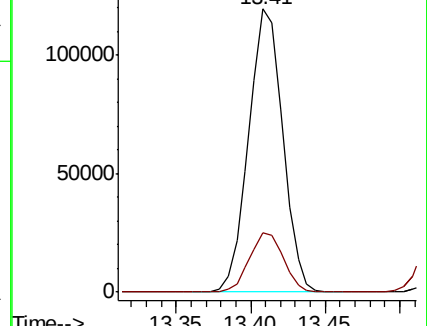
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.883 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

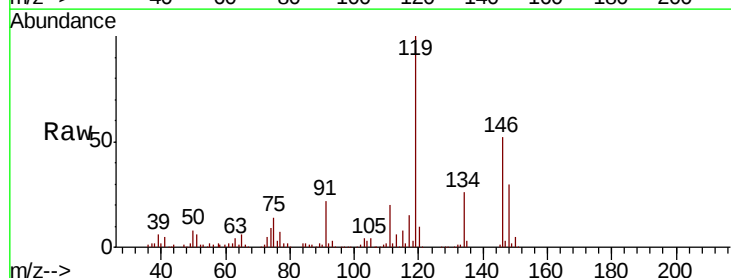
Tgt Ion:119 Resp: 176384

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

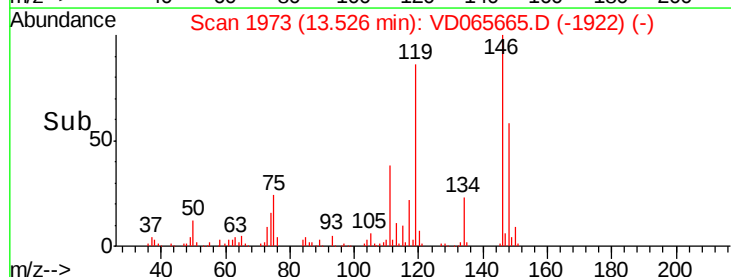
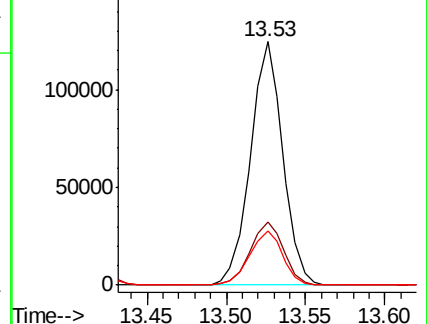
91 22.9 10.9 32.7

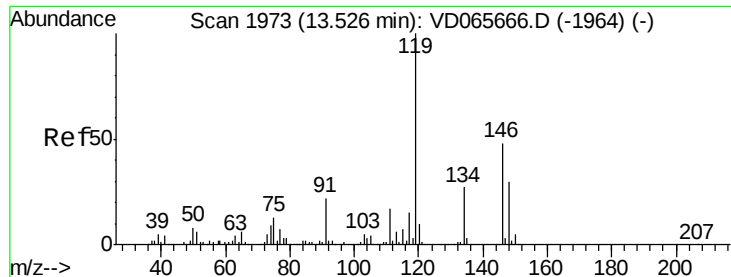


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

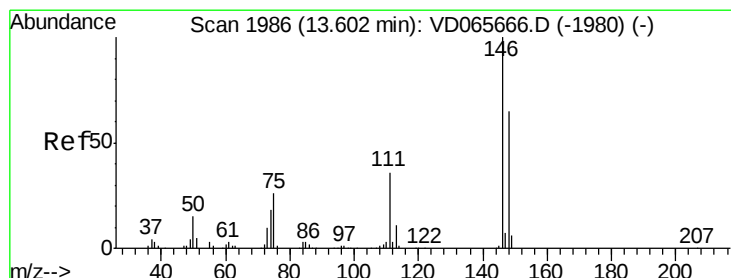
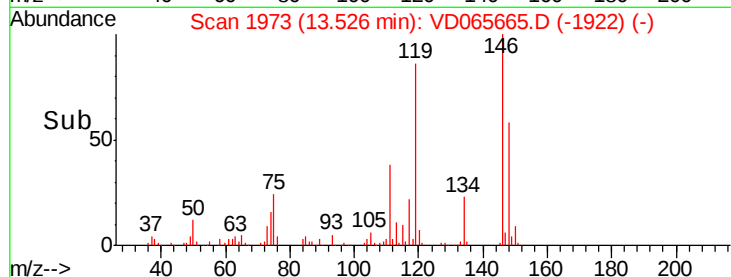
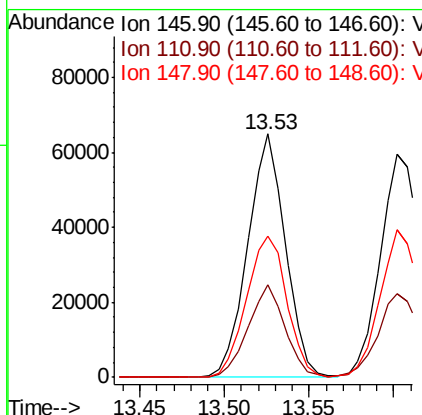
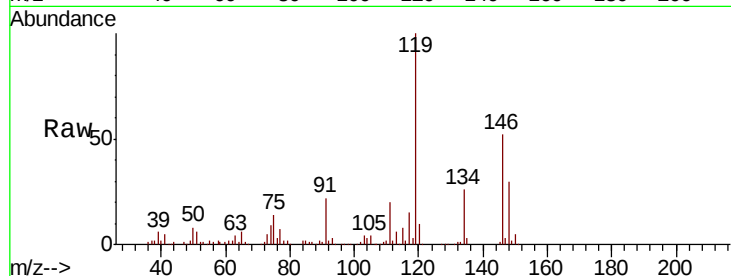




#87
 1,3-Dichlorobenzene
 Concen: 20.769 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

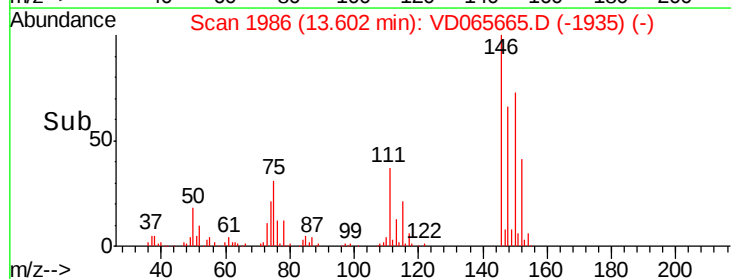
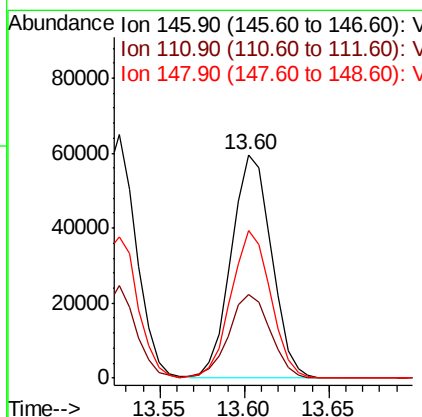
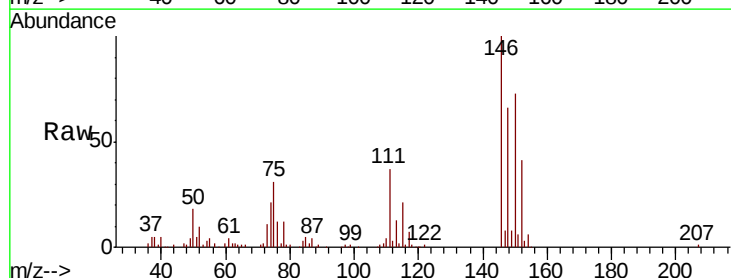
Instrument :
 MSVOA_D
 ClientSampleId :

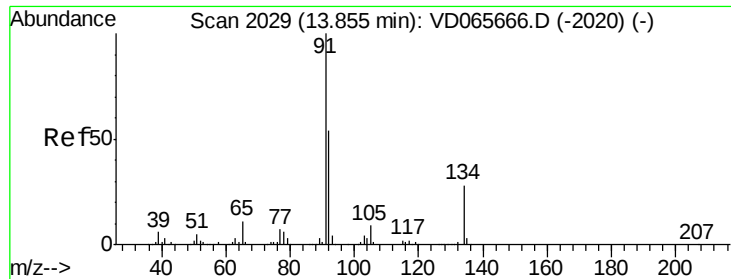
Tot Ion:146 Resp: 100772
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 62.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.471 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065665.D
 Acq: 22 Apr 2020 14:37

Tgt Ion:146 Resp: 98715
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.1 54.1
 148 65.2 31.9 95.5





#89

n-Butylbenzene

Concen: 17.926 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

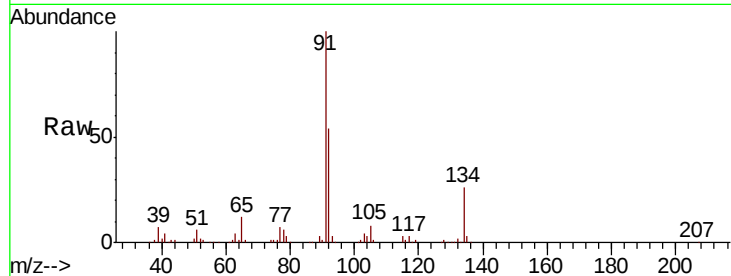
Tot Ion: 91 Resp: 144111

Ion Ratio Lower Upper

91 100

92 53.5 27.1 81.2

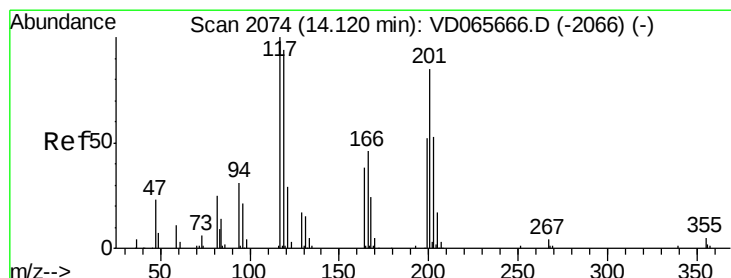
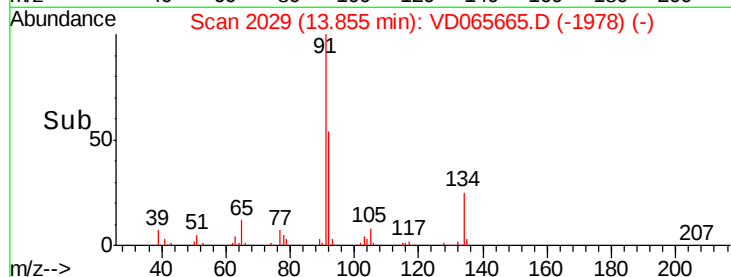
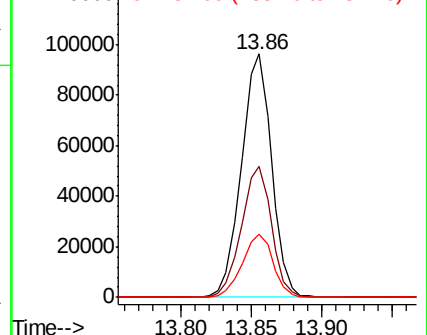
134 26.5 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 19.954 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065665.D

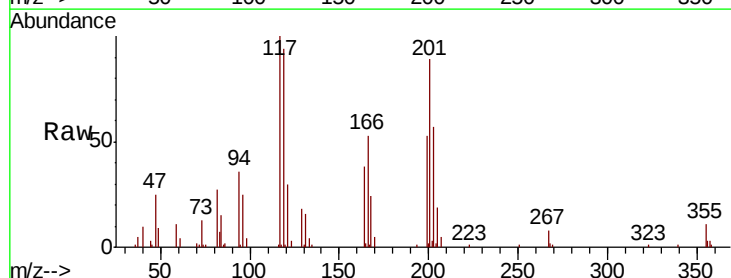
Acq: 22 Apr 2020 14:37

Tgt Ion: 117 Resp: 37229

Ion Ratio Lower Upper

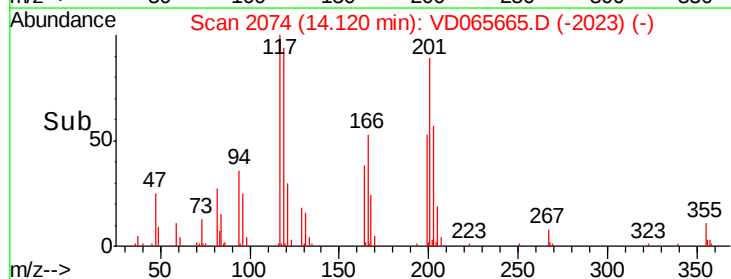
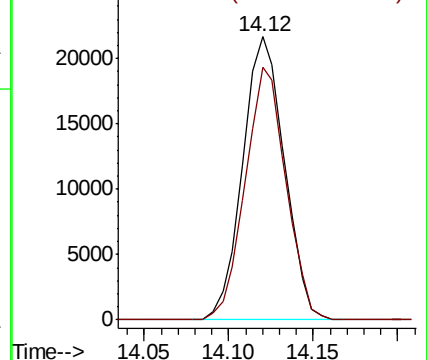
117 100

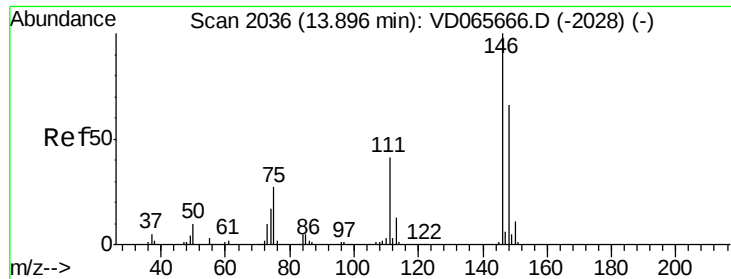
201 87.3 44.6 134.0



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 19.712 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

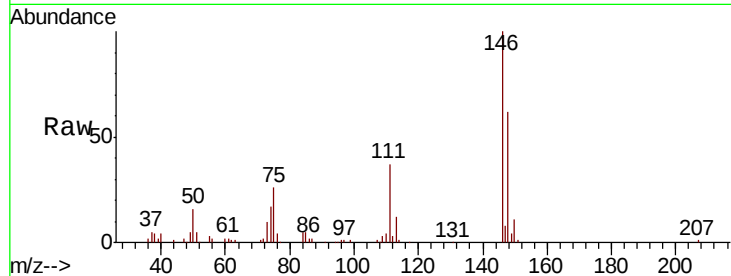
Tot Ion:146 Resp: 81786

Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.1

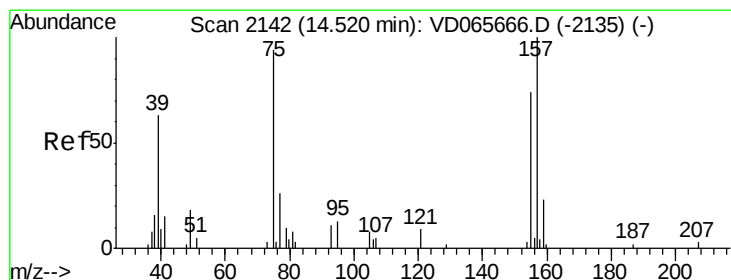
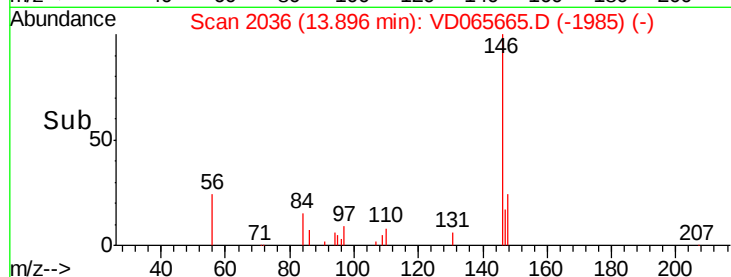
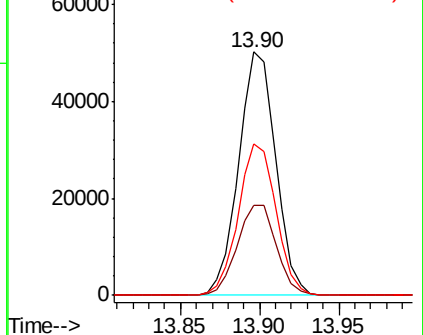
148 63.2 32.2 96.6



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: 21.675 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

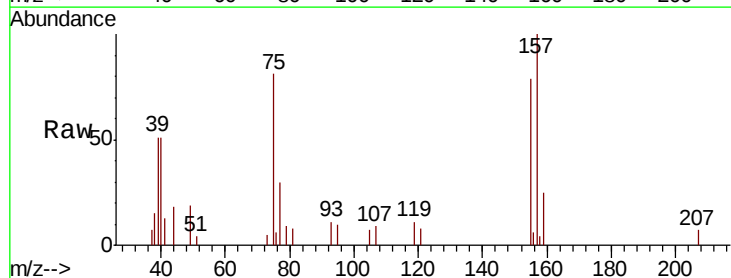
Tgt Ion: 75 Resp: 5546

Ion Ratio Lower Upper

75 100

155 92.4 40.6 122.0

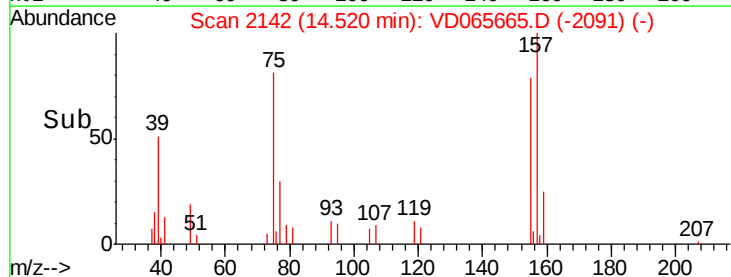
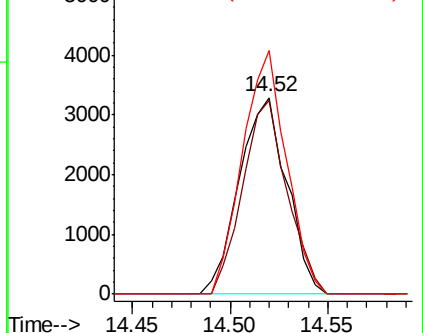
157 114.6 52.8 158.5

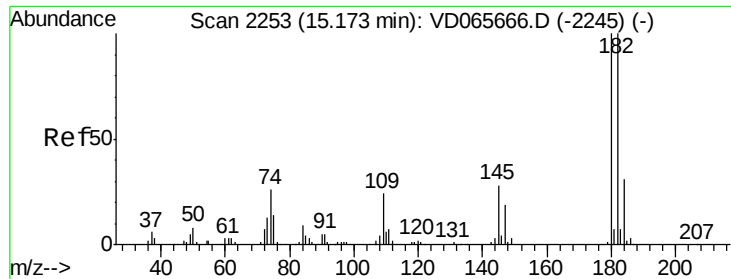


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

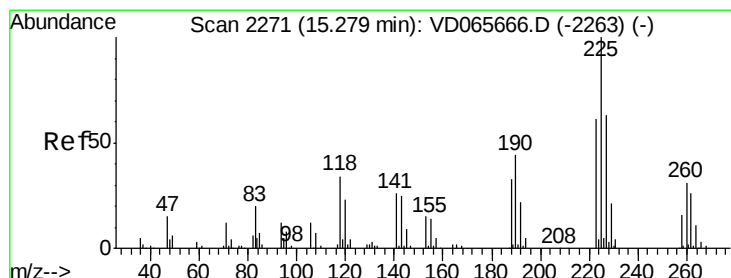
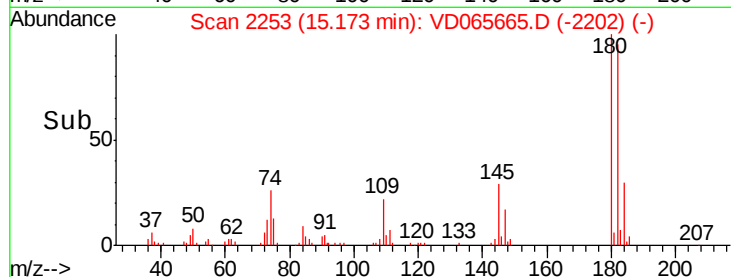
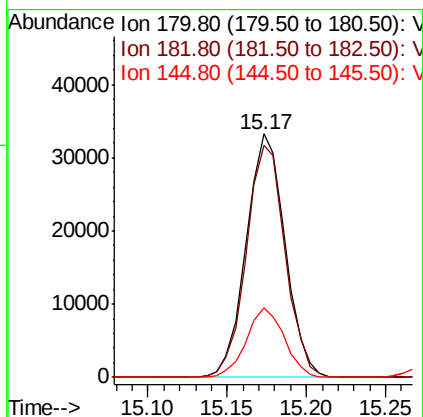
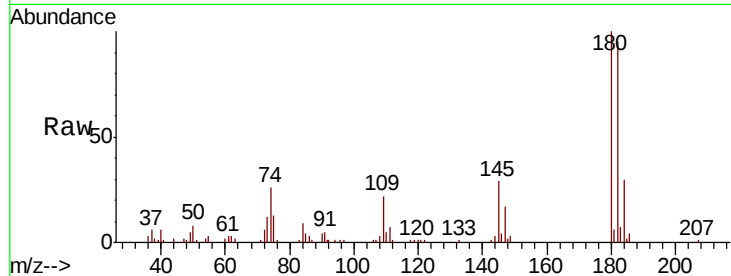




#93
1,2,4-Trichlorobenzene
Concen: 19.923 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

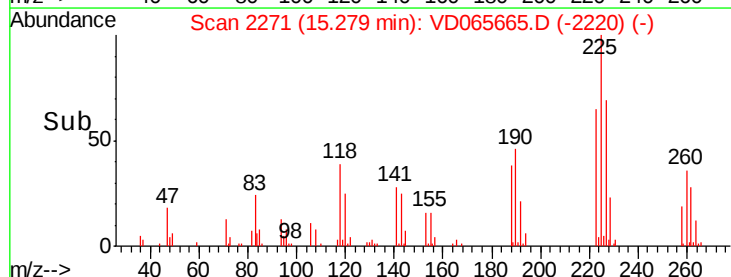
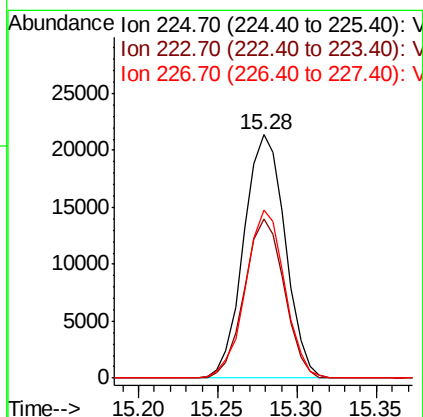
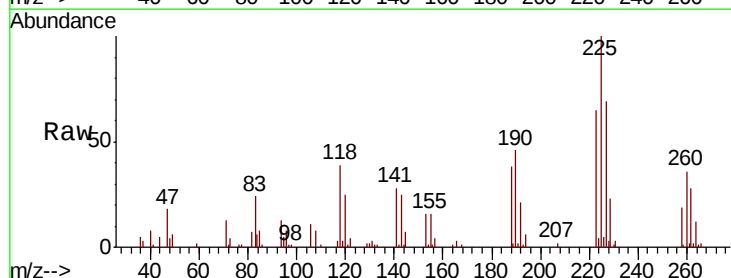
Instrument :
MSVOA_D
ClientSampled :

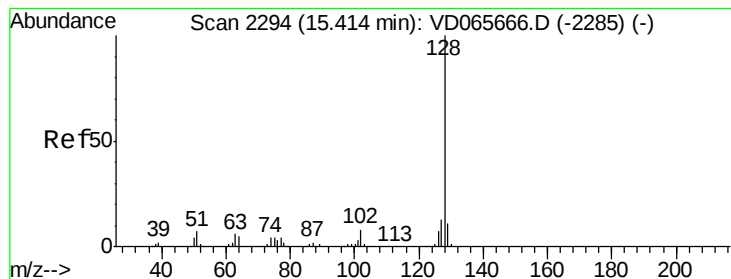
Tot Ion:180 Resp: 56675
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.2
145 27.9 14.1 42.4



#94
Hexachlorobutadiene
Concen: 19.820 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD065665.D
Acq: 22 Apr 2020 14:37

Tgt Ion:225 Resp: 38849
Ion Ratio Lower Upper
225 100
223 62.6 30.8 92.4
227 65.4 32.1 96.5





#95

Naphthalene

Concen: 19.850 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

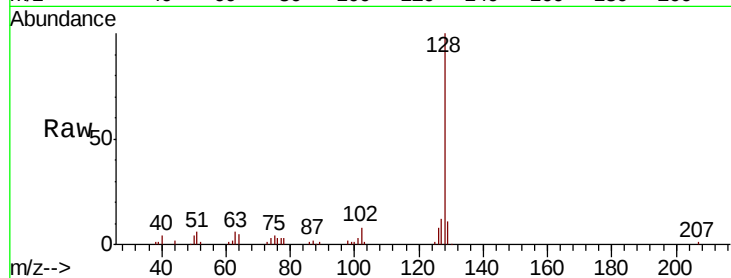
Tot Ion:128 Resp: 82807

Ion Ratio Lower Upper

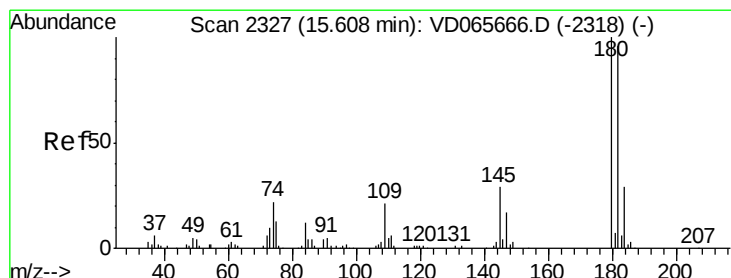
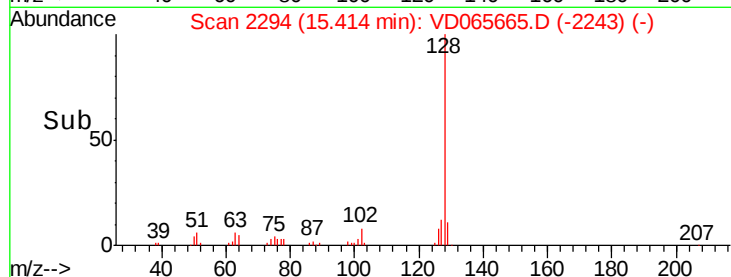
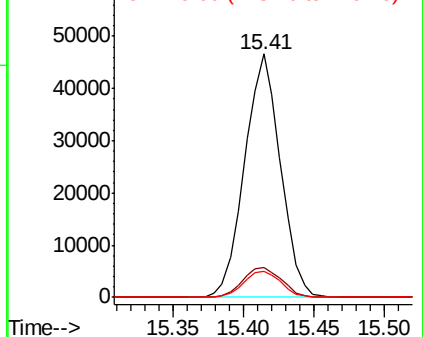
128 100

127 13.2 10.6 15.8

129 11.2 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 20.345 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065665.D

Acq: 22 Apr 2020 14:37

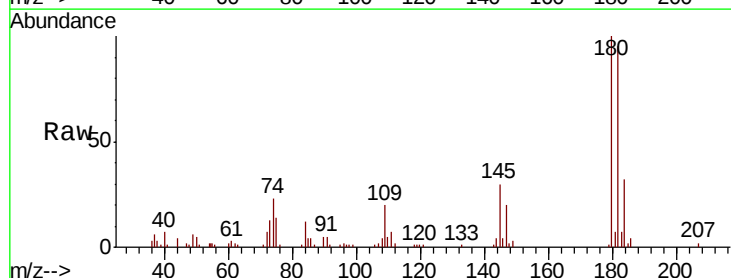
Tgt Ion:180 Resp: 50887

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.3

145 28.8 14.6 44.0



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

