

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065415.D
 Acq On : 04 Mar 2020 17:18
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:27:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	499217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	735445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	664302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	213178	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	7.91	113	221742	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.34	98	877350	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.64	95	272486	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	93528	21.799	ug/l	97
3) Chloromethane	2.21	50	106699	20.599	ug/l	98
4) Vinyl Chloride	2.35	62	104577	20.469	ug/l	100
5) Bromomethane	2.76	94	67827	20.908	ug/l	100
6) Chloroethane	2.92	64	64475	20.605	ug/l	97
7) Trichlorofluoromethane	3.27	101	153706	20.417	ug/l	98
8) Diethyl Ether	3.71	74	45687	20.407	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	100425	20.712	ug/l	98
10) Methyl Iodide	4.30	142	99277	19.709	ug/l	98
11) Tert butyl alcohol	5.24	59	22362	91.039	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	93625	20.166	ug/l	99
13) Acrolein	3.91	56	41660	98.343	ug/l	99
14) Allyl chloride	4.70	41	141426	19.829	ug/l	99
15) Acrylonitrile	5.43	53	98318	100.946	ug/l	99
16) Acetone	4.16	43	81126	93.674	ug/l	99
17) Carbon Disulfide	4.40	76	316676	20.482	ug/l	99
18) Methyl Acetate	4.72	43	44029	20.042	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	184217	20.633	ug/l	97
20) Methylene Chloride	4.96	84	106590	20.634	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	105763	20.478	ug/l	96
22) Diisopropyl ether	6.37	45	279932	21.114	ug/l	98
23) Vinyl Acetate	6.31	43	751918	102.140	ug/l	98
24) 1,1-Dichloroethane	6.26	63	172786	20.318	ug/l	98
25) 2-Butanone	7.22	43	116194	98.315	ug/l	95
26) 2,2-Dichloropropane	7.20	77	151687	20.411	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	105776	20.037	ug/l	99
28) Bromochloromethane	7.55	49	68154	20.031	ug/l	99
29) Tetrahydrofuran	7.57	42	76468	101.316	ug/l	98
30) Chloroform	7.71	83	178200	20.965	ug/l	98
31) Cyclohexane	7.98	56	172201	20.251	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	156083	19.871	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142142	20.163	ug/l	99
37) Ethyl Acetate	7.30	43	53529	19.645	ug/l	99
38) Carbon Tetrachloride	8.09	117	147702	20.205	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168497	19.789	ug/l	97
40) Benzene	8.35	78	399089	20.247	ug/l	97
41) Methacrylonitrile	7.52	41	30704	21.307	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	104757	20.353	ug/l	100
43) Isopropyl Acetate	8.46	43	99859	19.848	ug/l	98
44) Trichloroethene	9.11	130	114521	20.574	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95852	20.076	ug/l	97
46) Dibromomethane	9.47	93	50539	20.407	ug/l	99
47) Bromodichloromethane	9.66	83	130356	20.232	ug/l	97
48) Methyl methacrylate	9.46	41	46473	19.637	ug/l	99
49) 1,4-Dioxane	9.47	88	11307	399.136	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	258375	102.051	ug/l	99
52) Toluene	10.41	92	254774	20.518	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119942	19.920	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	147327	20.215	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	70367	20.061	ug/l	99
56) Ethyl methacrylate	10.67	69	80605	20.384	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122325	20.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	133720	109.432	ug/l	99
59) 2-Hexanone	10.99	43	174218	99.404	ug/l	98
60) Dibromochloromethane	11.14	129	91886	20.436	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67568	20.195	ug/l	99
64) Tetrachloroethene	10.88	164	96978	20.373	ug/l	98
65) Chlorobenzene	11.67	112	268239	20.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98850	20.647	ug/l	98
67) Ethyl Benzene	11.75	91	464935	20.469	ug/l	100
68) m/p-Xylenes	11.86	106	364306	41.595	ug/l	99
69) o-Xylene	12.18	106	159068	20.647	ug/l	99
70) Styrene	12.20	104	284448	20.979	ug/l	99
71) Bromoform	12.37	173	55273	20.553	ug/l #	99
73) Isopropylbenzene	12.48	105	433407	19.738	ug/l	100
74) N-amyl acetate	12.30	43	88004	19.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	76360	19.784	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	98529	37.404	ug/l #	100
77) Bromobenzene	12.77	156	110033	20.170	ug/l	98
78) n-propylbenzene	12.83	91	529738	20.333	ug/l	99
79) 2-Chlorotoluene	12.91	91	291499	19.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364590	20.197	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24427	19.569	ug/l	98
82) 4-Chlorotoluene	13.01	91	309423	20.054	ug/l	100
83) tert-Butylbenzene	13.23	119	297851	19.503	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	362605	20.378	ug/l	100
85) sec-Butylbenzene	13.41	105	437423	20.066	ug/l	100
86) p-Isopropyltoluene	13.53	119	401297	20.174	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	209829	20.006	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	209161	20.048	ug/l	99
89) n-Butylbenzene	13.85	91	365695	19.886	ug/l	100
90) Hexachloroethane	14.12	117	82204	20.067	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	179382	20.098	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11148	18.965	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

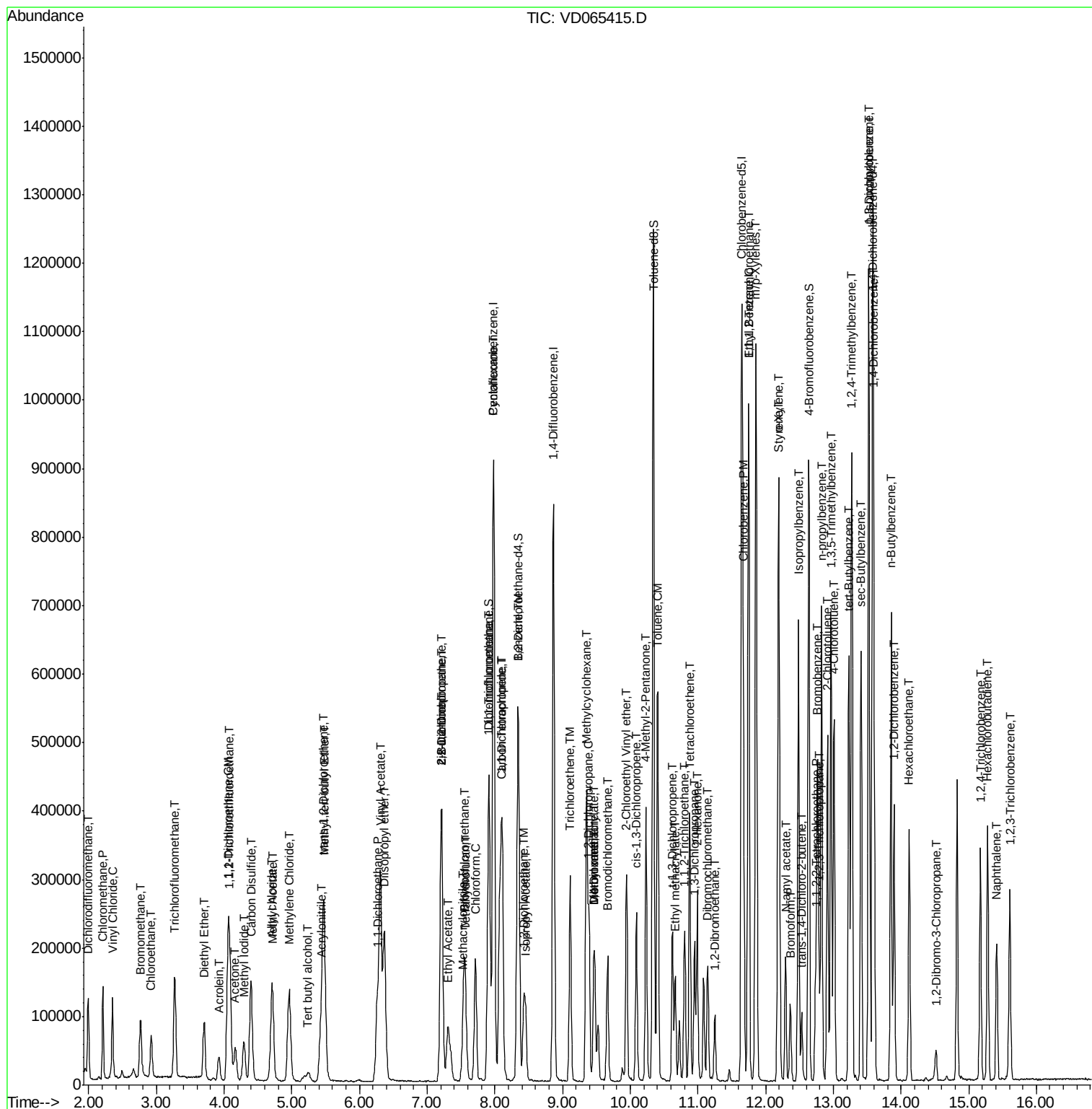
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118760	19.632	ug/l	100
94) Hexachlorobutadiene	15.28	225	78393	19.722	ug/l	99
95) Naphthalene	15.41	128	181925	19.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	104726	20.034	ug/l	100

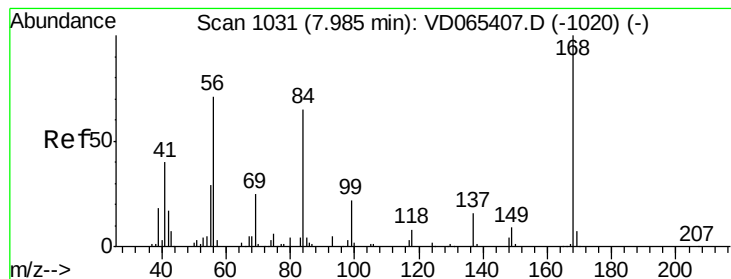
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

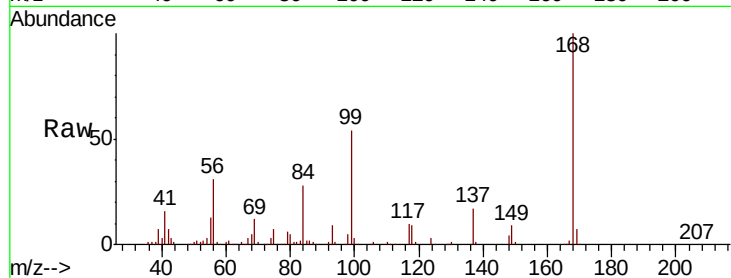
ClientSampled :

Tot Ion:168 Resp: 499217

Ion Ratio Lower Upper

168 100

99 53.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

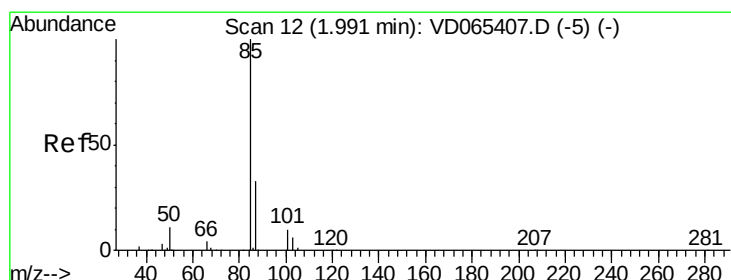
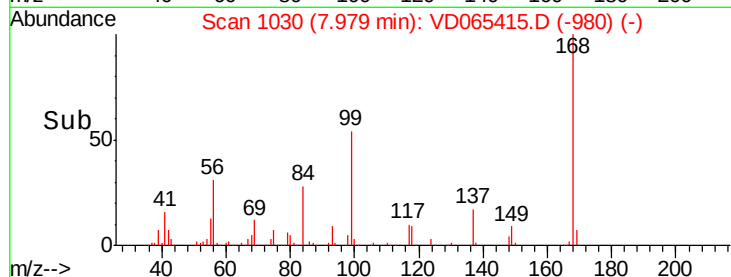
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.799 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065415.D

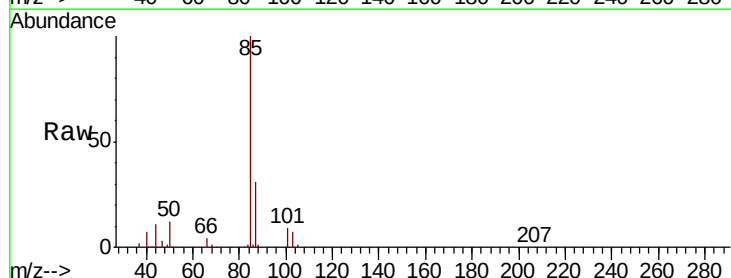
Acq: 04 Mar 2020 17:18

Tgt Ion: 85 Resp: 93528

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

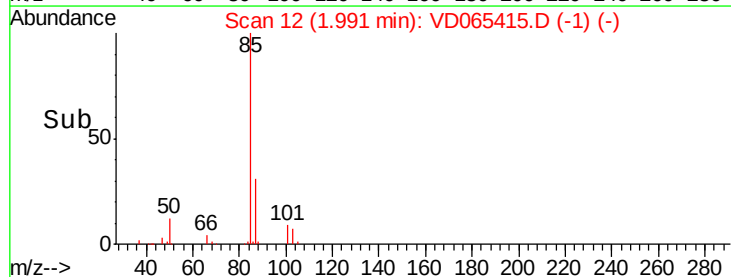
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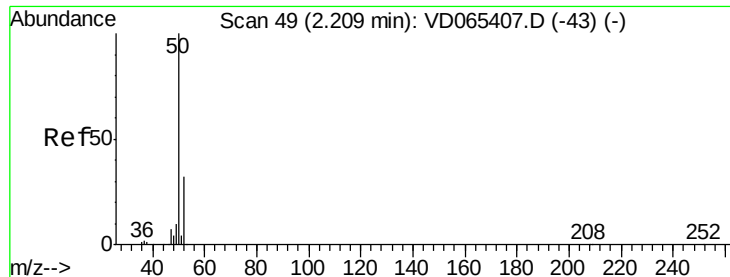
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.599 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

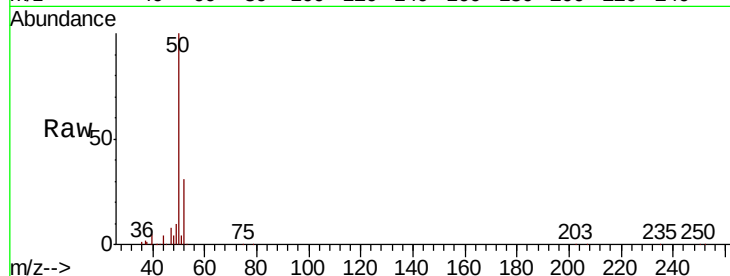
ClientSampleId :

Tot Ion: 50 Resp: 106699

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

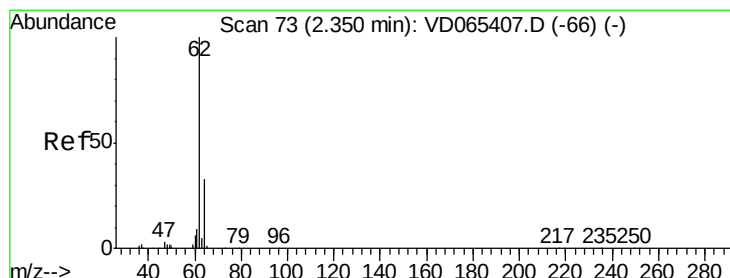
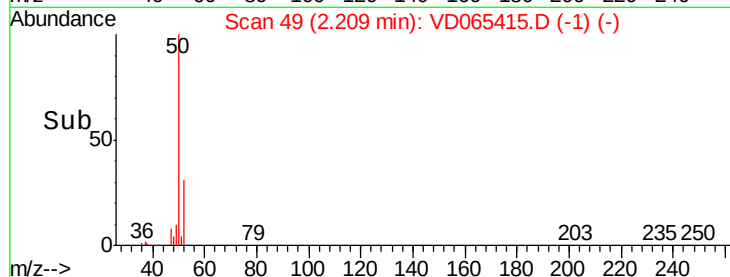
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.469 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065415.D

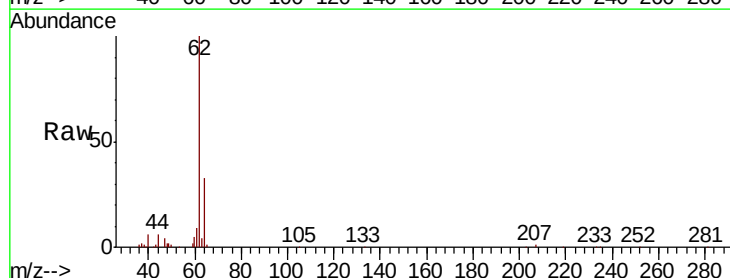
Acq: 04 Mar 2020 17:18

Tgt Ion: 62 Resp: 104577

Ion Ratio Lower Upper

62 100

64 33.2 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

80000

60000

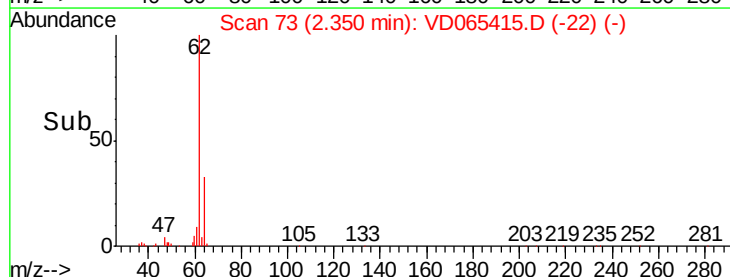
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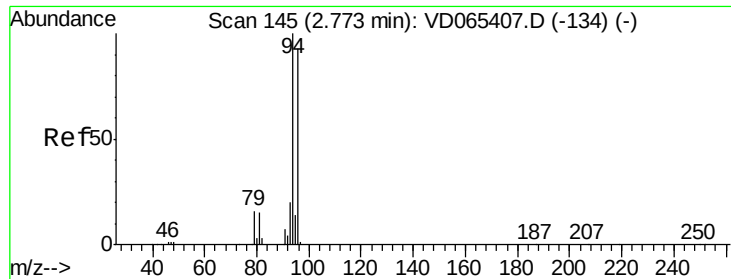
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.908 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

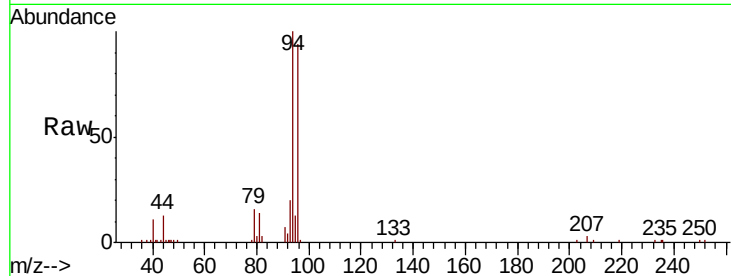
ClientSampleId :

Tot Ion: 94 Resp: 67827

Ion Ratio Lower Upper

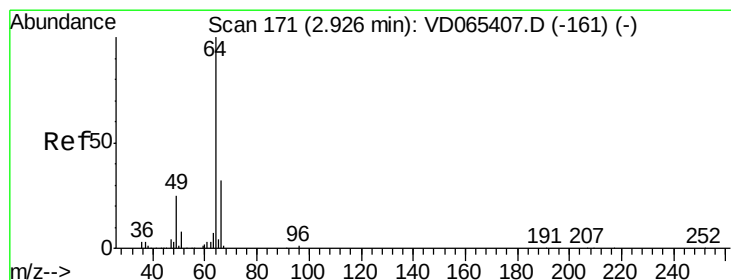
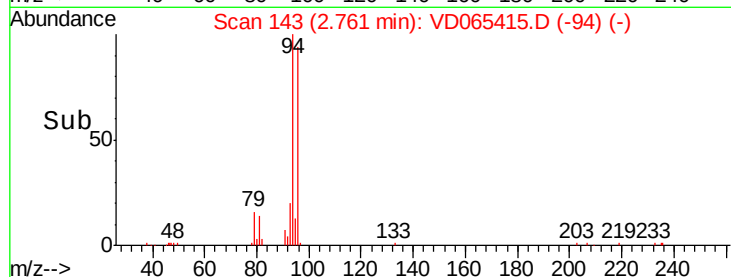
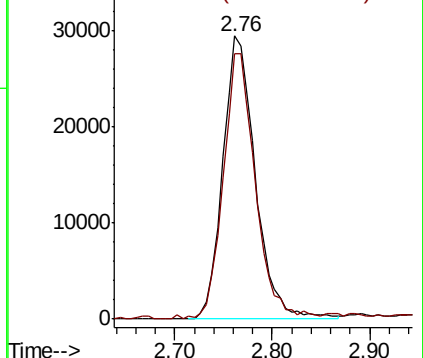
94 100

96 92.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.605 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065415.D

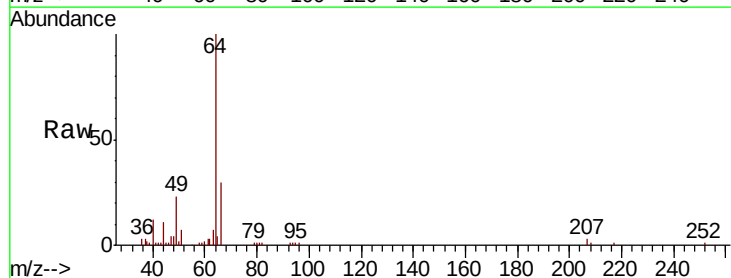
Acq: 04 Mar 2020 17:18

Tgt Ion: 64 Resp: 64475

Ion Ratio Lower Upper

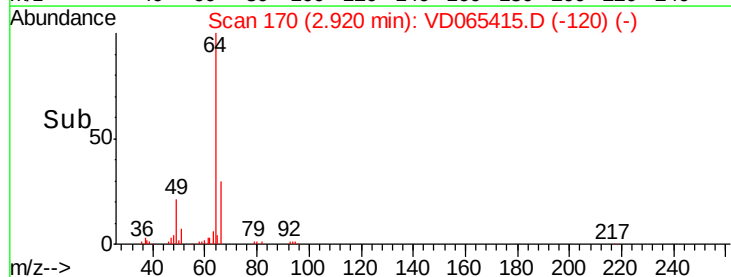
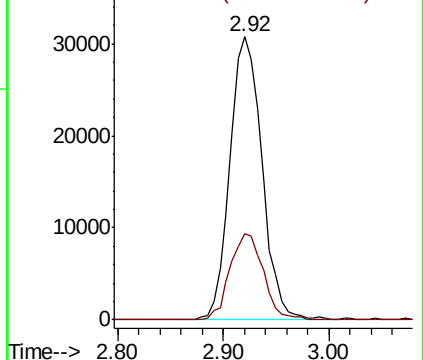
64 100

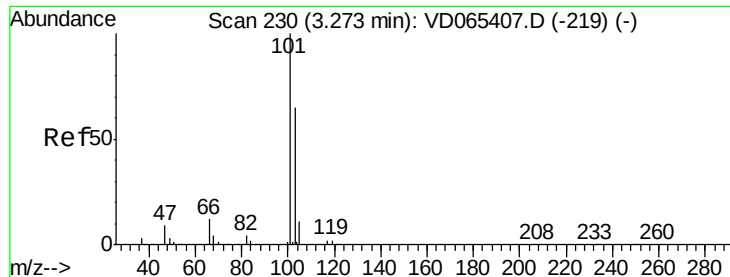
66 30.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



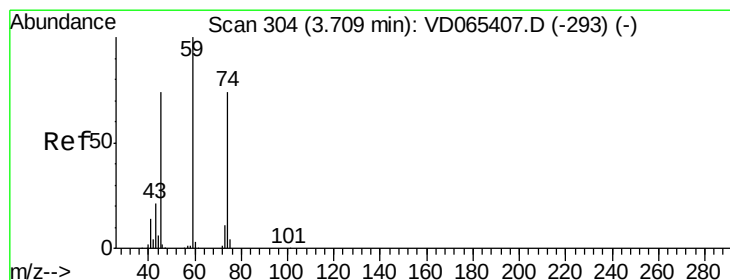
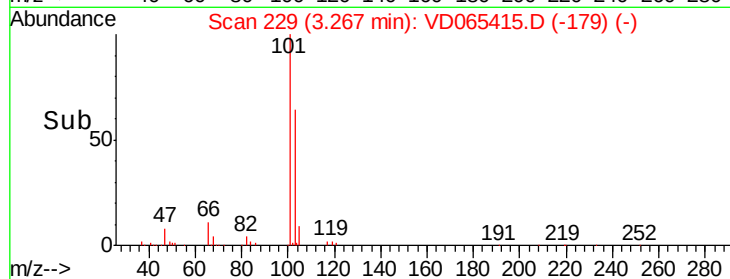
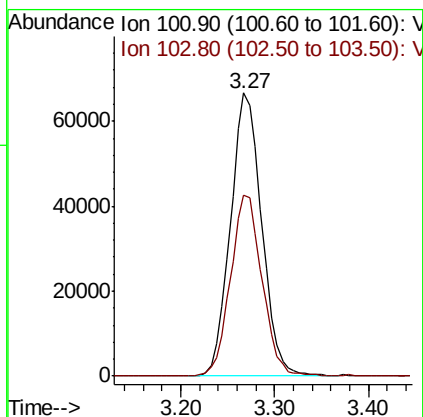
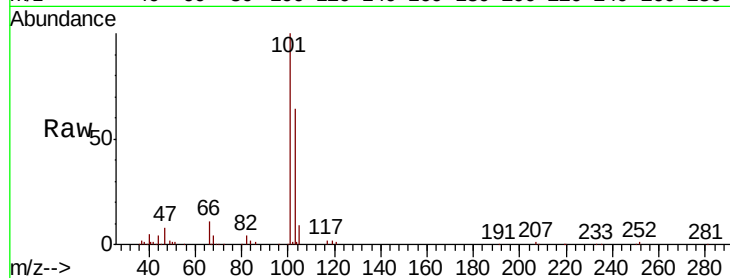


#7

Trichlorofluoromethane
Concen: 20.417 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampleId :

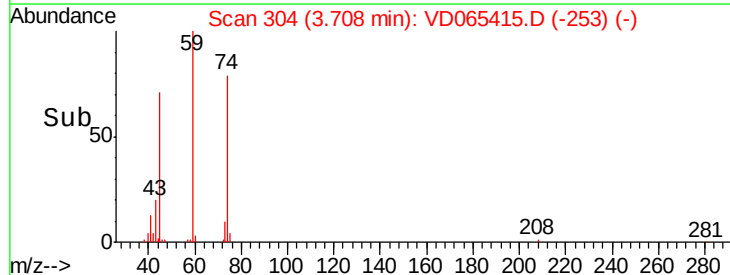
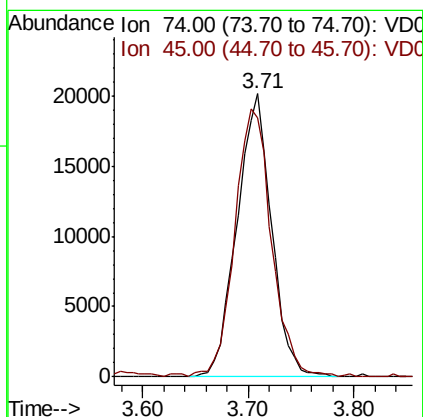
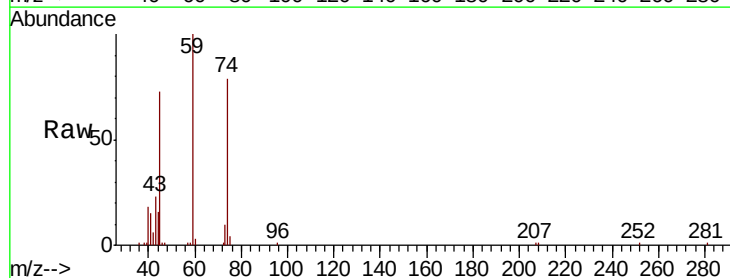
Tot Ion:101 Resp: 153706
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1

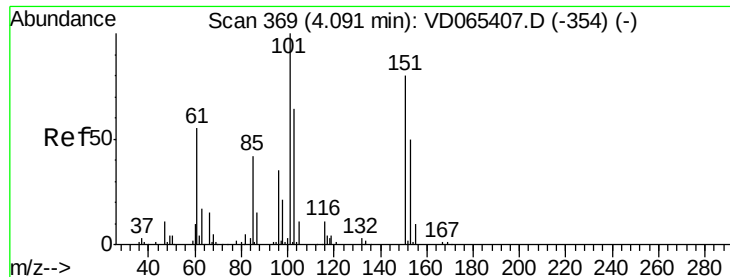


#8

Diethyl Ether
Concen: 20.407 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 74 Resp: 45687
Ion Ratio Lower Upper
74 100
45 100.5 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.712 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

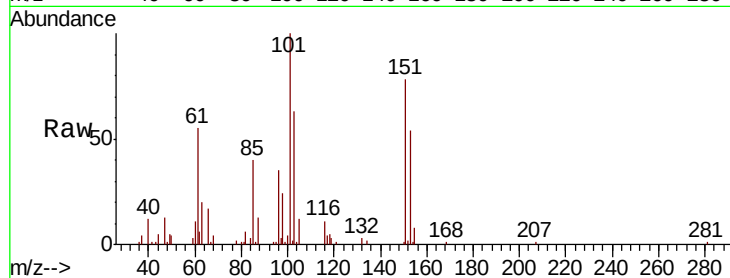
Tot Ion:101 Resp: 100425

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

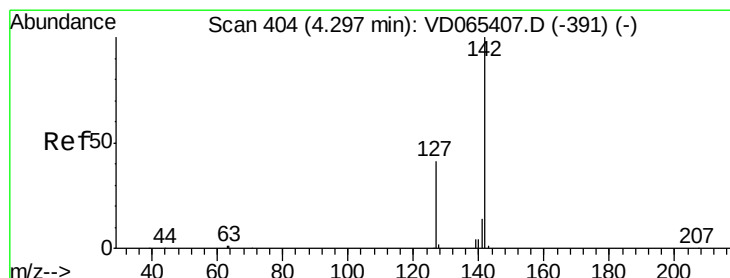
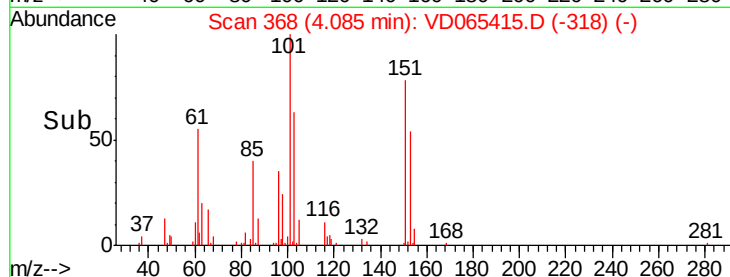
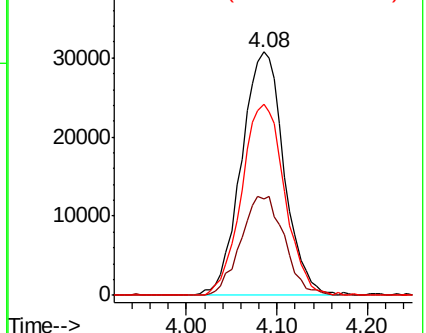
151 79.3 65.1 97.7



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: 19.709 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

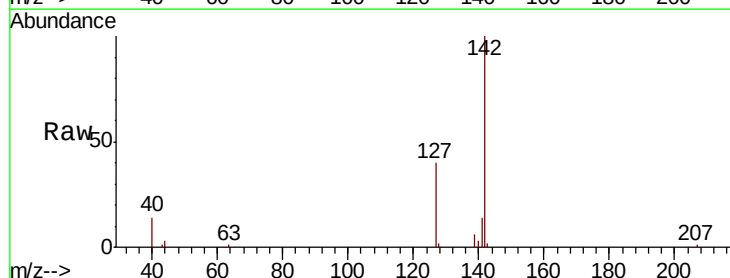
Tgt Ion:142 Resp: 99277

Ion Ratio Lower Upper

142 100

127 42.7 35.0 52.6

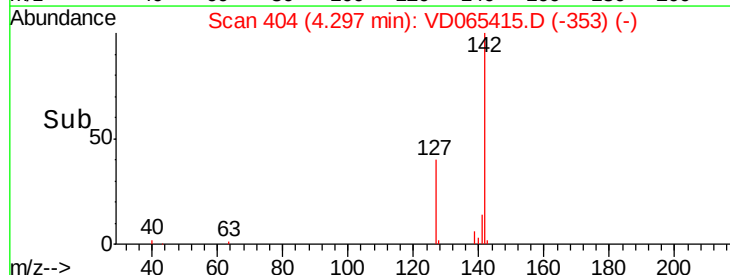
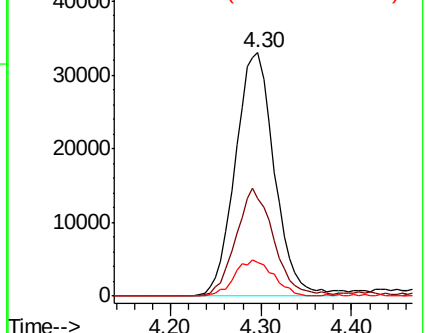
141 14.6 12.4 18.6

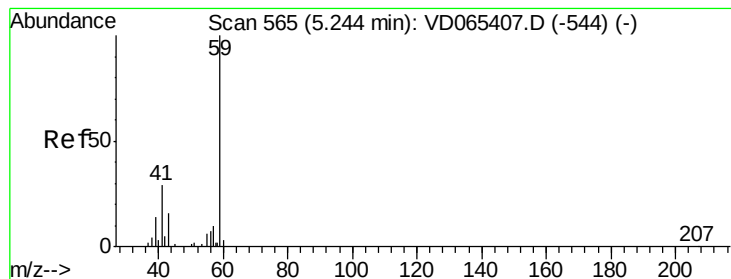


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.039 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

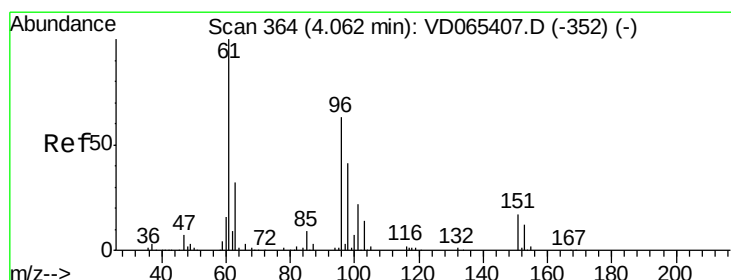
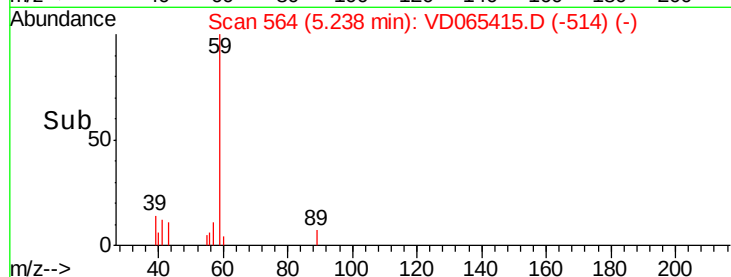
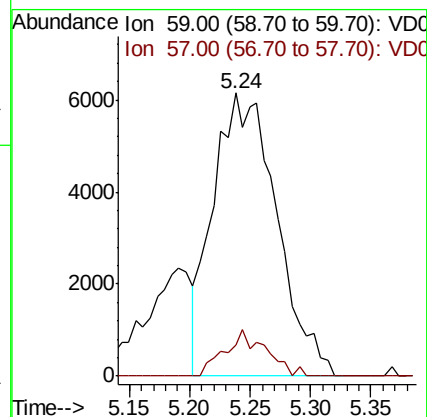
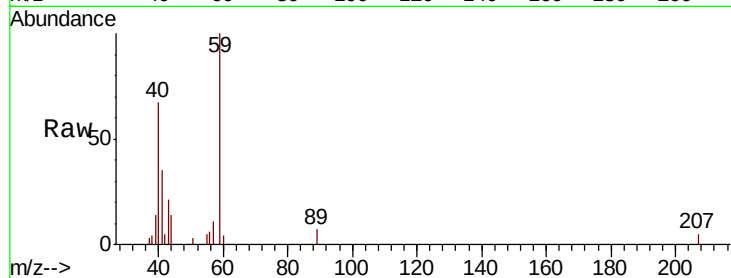
ClientSampleId :

Tot Ion: 59 Resp: 22362

Ion Ratio Lower Upper

59 100

57 10.7 6.9 10.3#



#12

1,1-Dichloroethene

Concen: 20.166 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

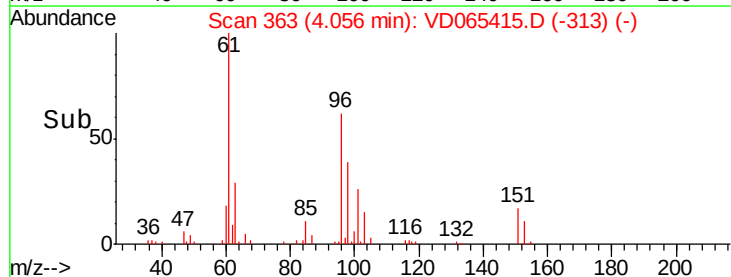
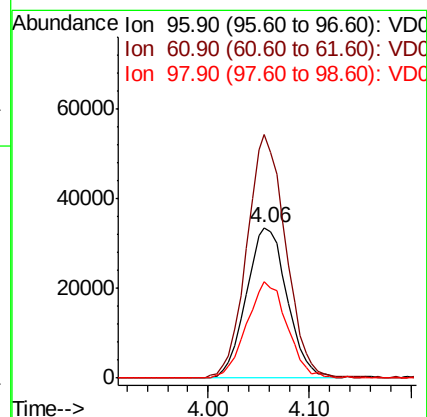
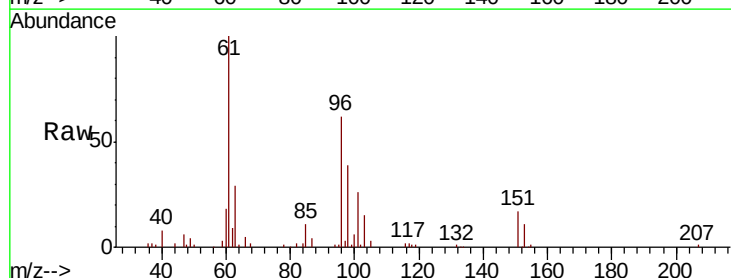
Tgt Ion: 96 Resp: 93625

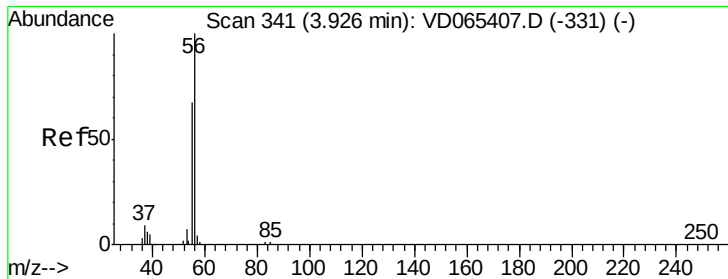
Ion Ratio Lower Upper

96 100

61 161.9 128.0 192.0

98 63.7 51.9 77.9





#13

Acrolein

Concen: 98.343 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

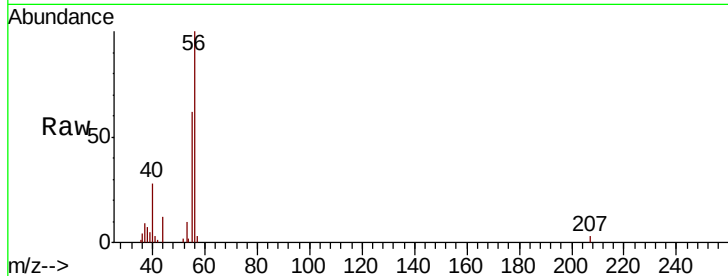
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 41660

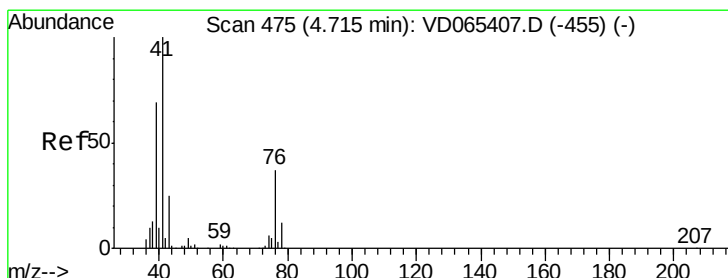
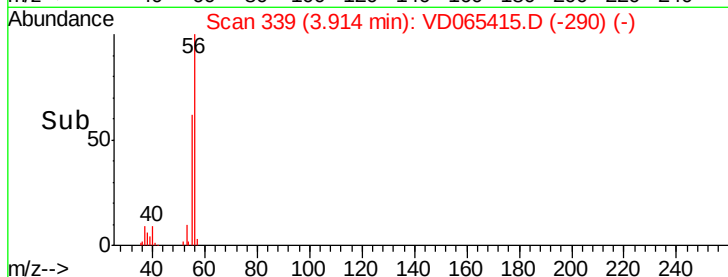
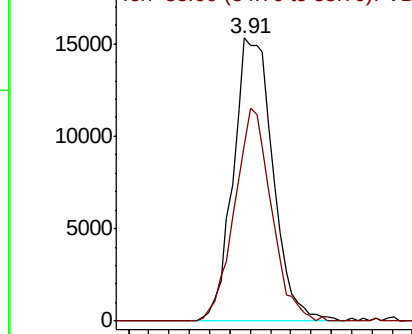
Ion Ratio Lower Upper

56 100

55 69.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.829 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

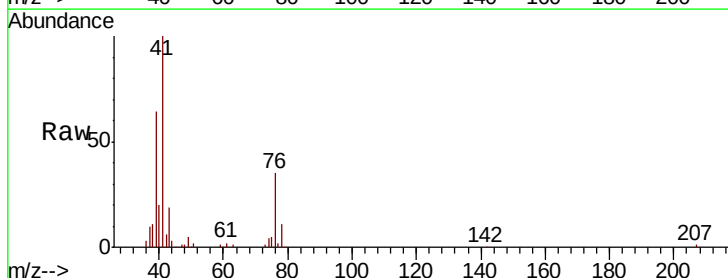
Tgt Ion: 41 Resp: 141426

Ion Ratio Lower Upper

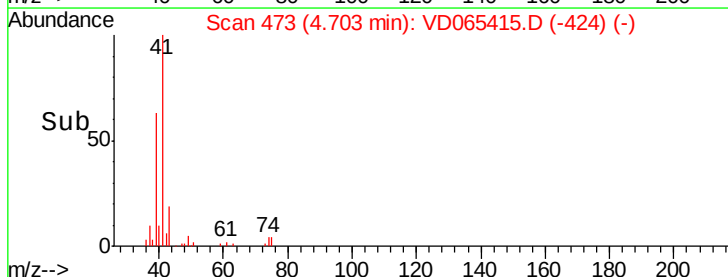
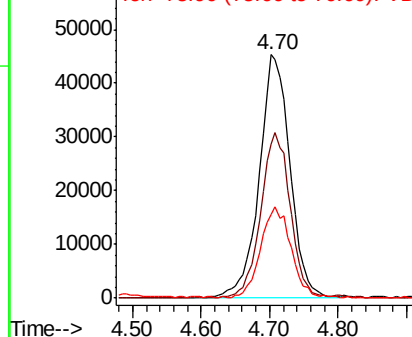
41 100

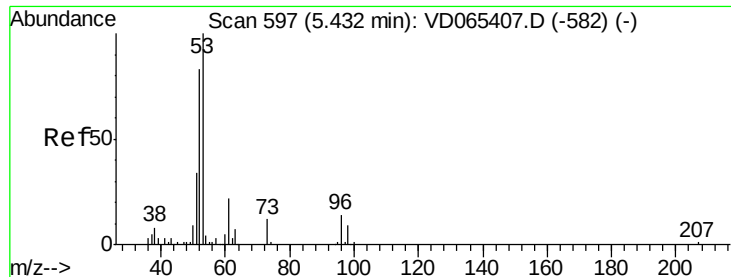
39 65.5 52.6 79.0

76 37.0 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.946 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

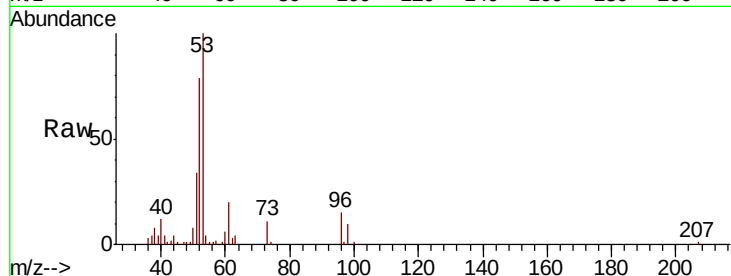
Tot Ion: 53 Resp: 98318

Ion Ratio Lower Upper

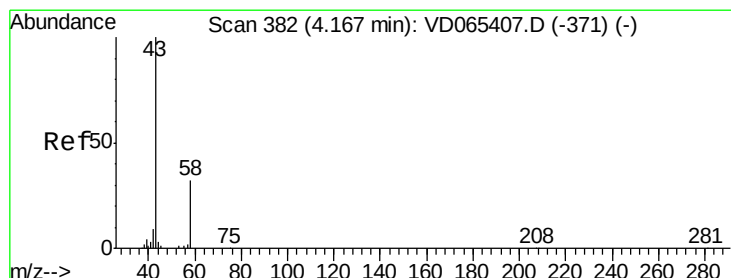
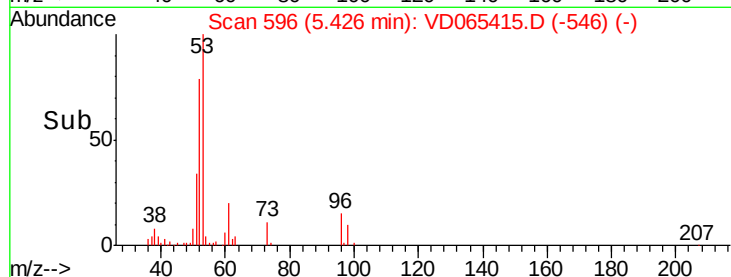
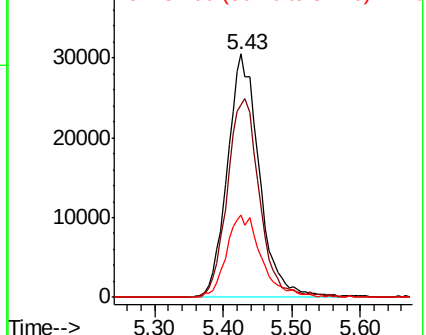
53 100

52 81.4 65.1 97.7

51 36.5 28.5 42.7



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



#16

Acetone

Concen: 93.674 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065415.D

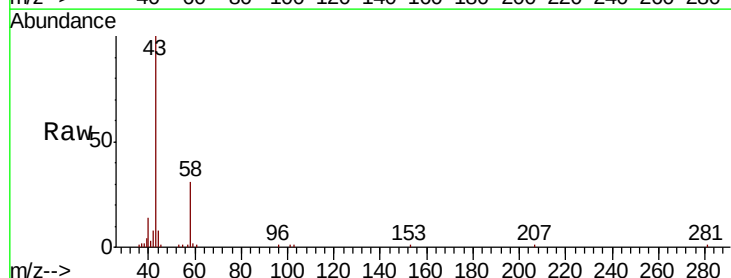
Acq: 04 Mar 2020 17:18

Tgt Ion: 43 Resp: 81126

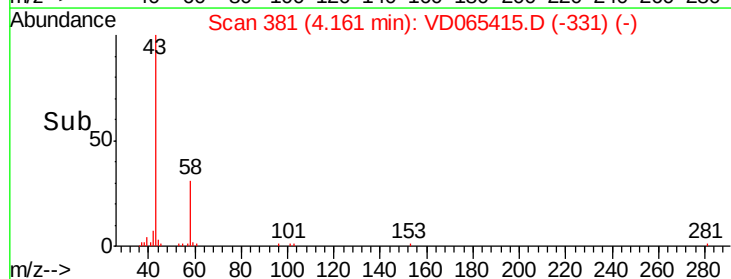
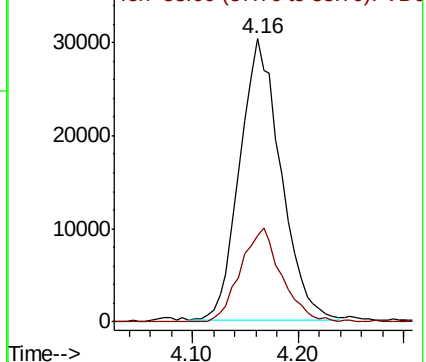
Ion Ratio Lower Upper

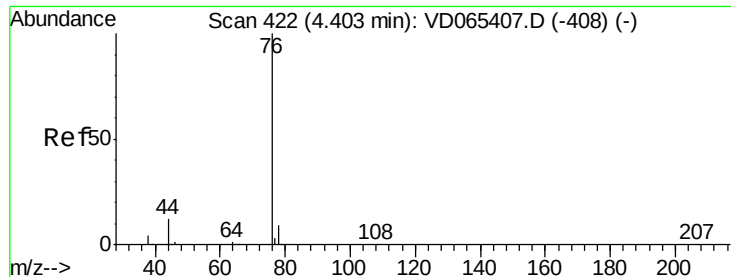
43 100

58 30.8 25.1 37.7



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

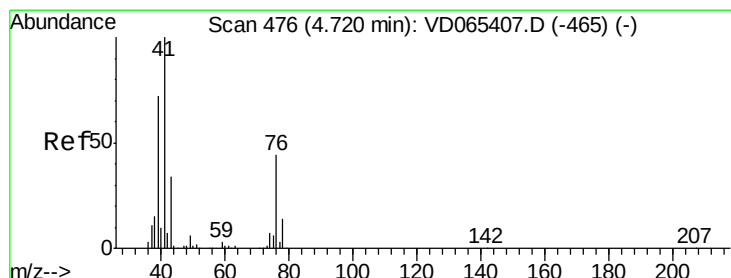
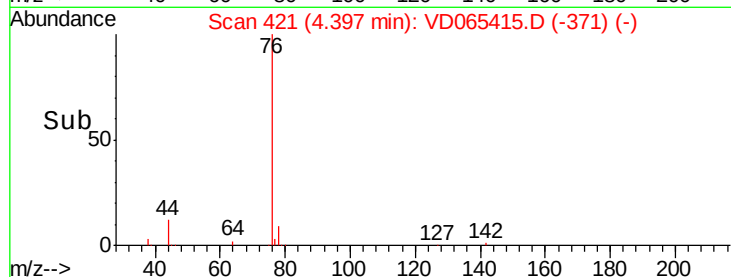
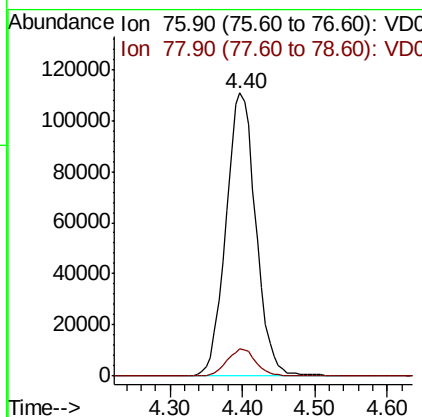
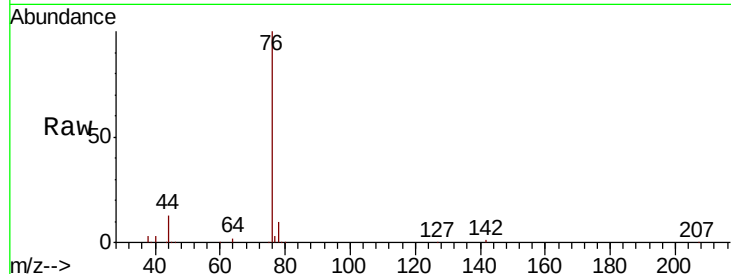




#17
Carbon Disulfide
Concen: 20.482 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

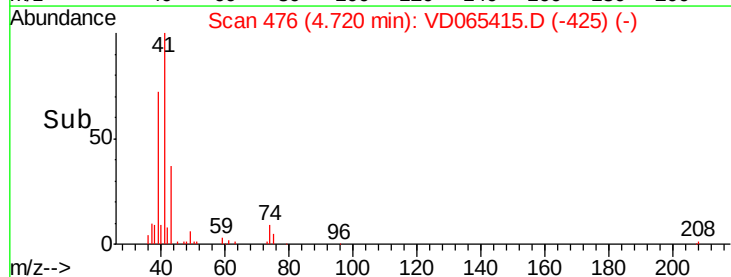
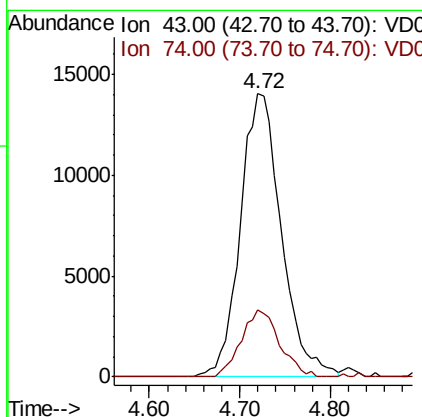
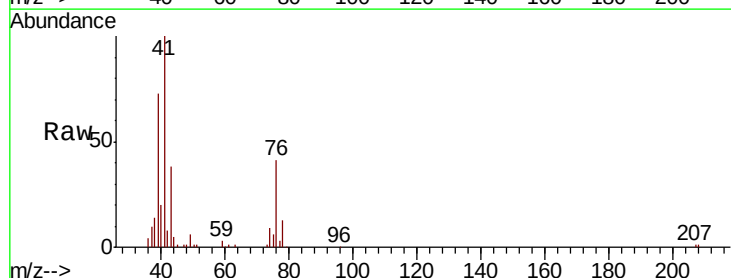
Instrument :
MSVOA_D
ClientSampleId :

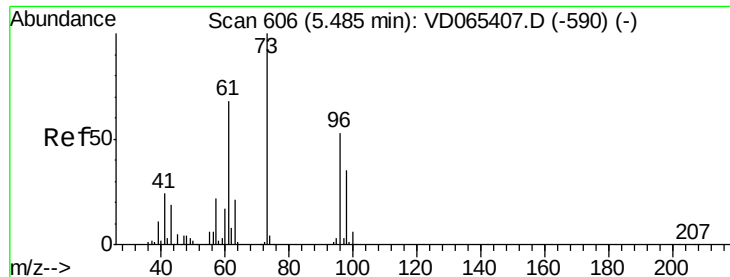
Tot Ion: 76 Resp: 316676
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 20.042 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 43 Resp: 44029
Ion Ratio Lower Upper
43 100
74 22.0 19.6 29.4

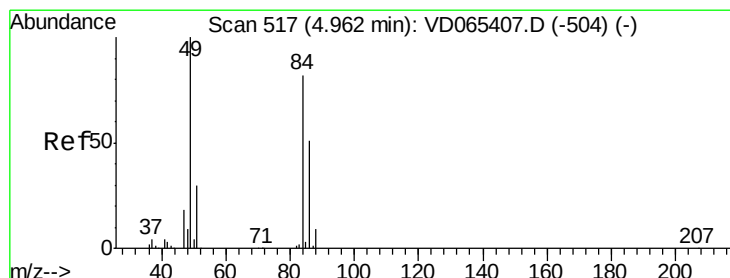
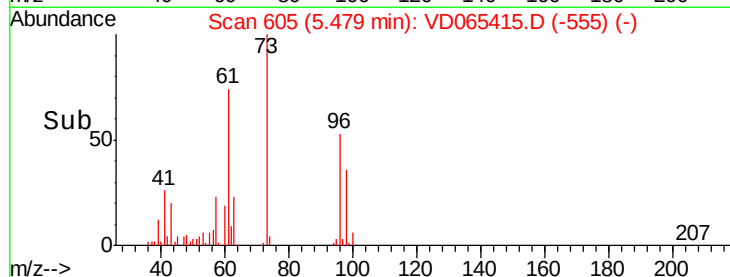
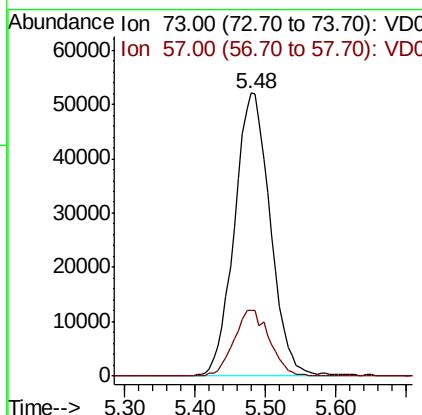
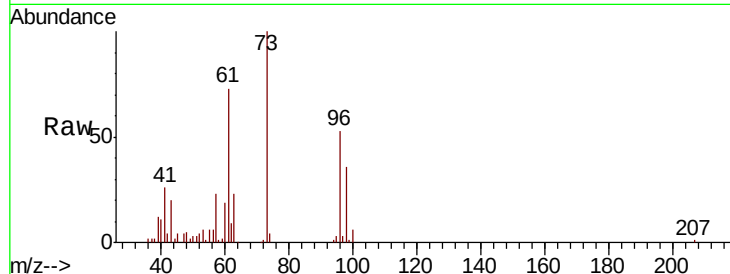




#19
Methyl tert-butyl Ether
Concen: 20.633 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

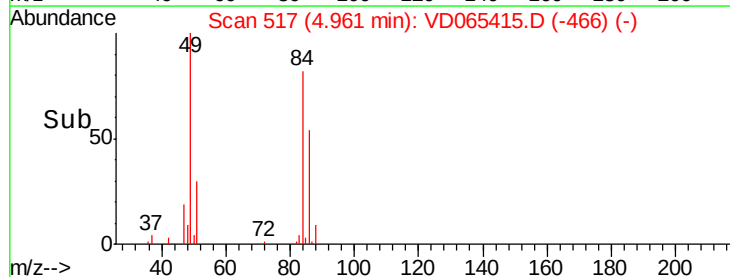
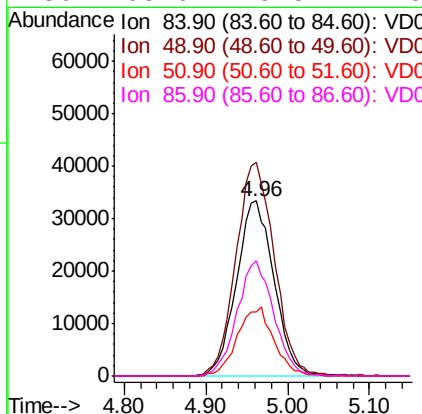
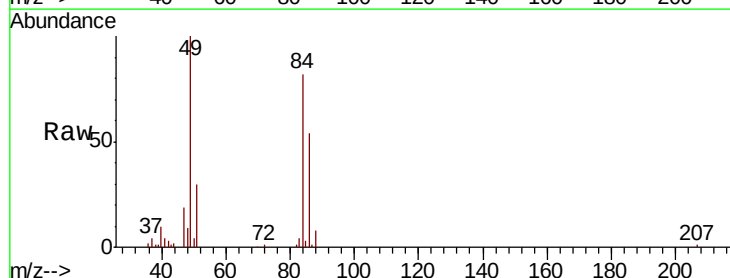
Instrument :
MSVOA_D
ClientSampled :

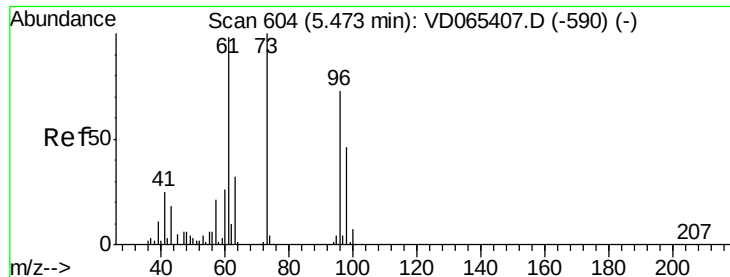
Tot Ion: 73 Resp: 184217
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 20.634 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 84 Resp: 106590
Ion Ratio Lower Upper
84 100
49 122.1 97.7 146.5
51 36.7 28.8 43.2
86 65.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.478 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

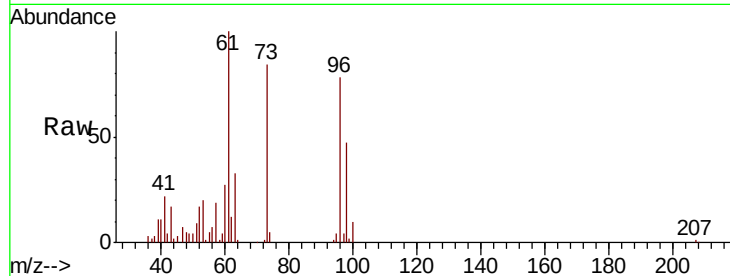
Tot Ion: 96 Resp: 105763

Ion Ratio Lower Upper

96 100

61 127.7 106.3 159.5

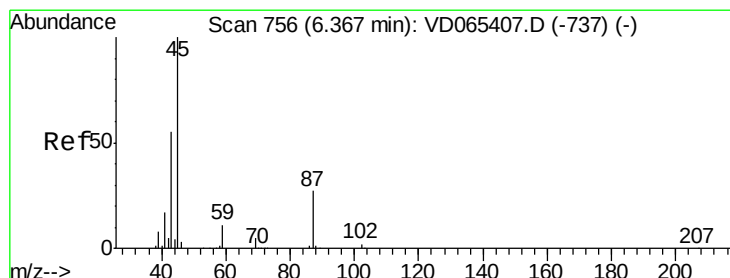
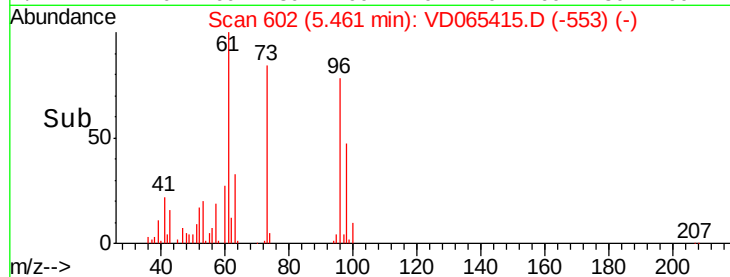
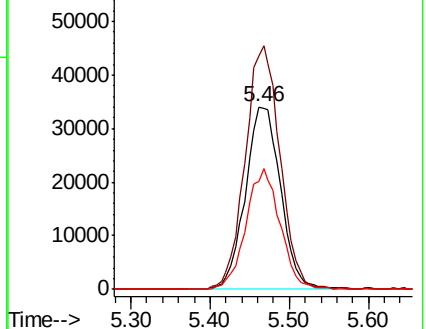
98 59.4 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.114 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Tgt Ion: 45 Resp: 279932

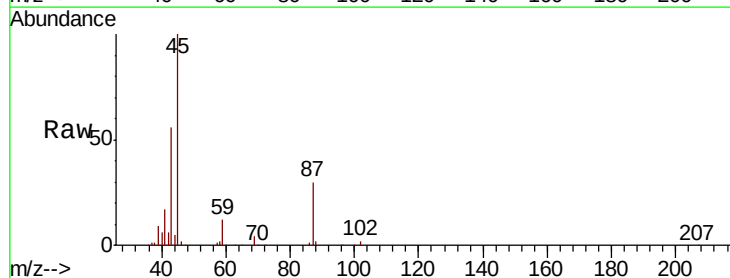
Ion Ratio Lower Upper

45 100

43 55.4 44.4 66.6

87 29.7 21.9 32.9

59 12.4 9.2 13.8

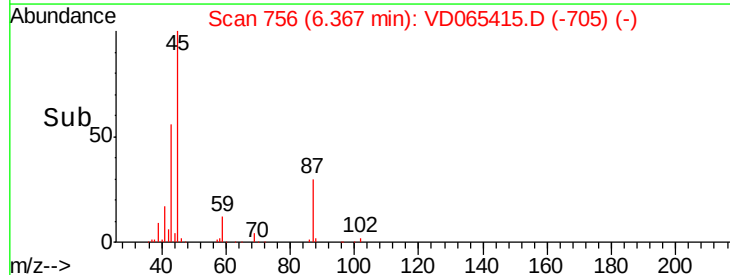
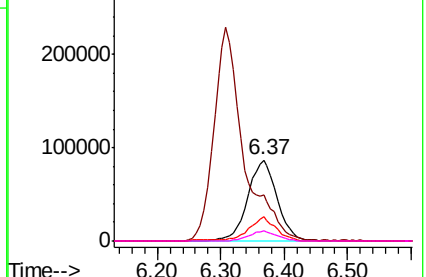


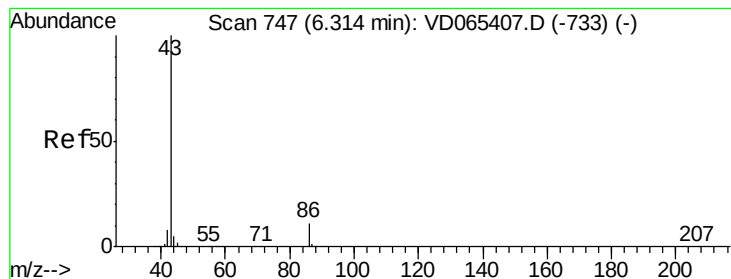
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 102.140 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

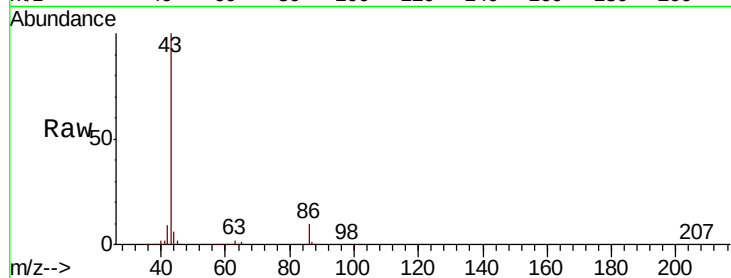
ClientSampled :

Tot Ion: 43 Resp: 751918

Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

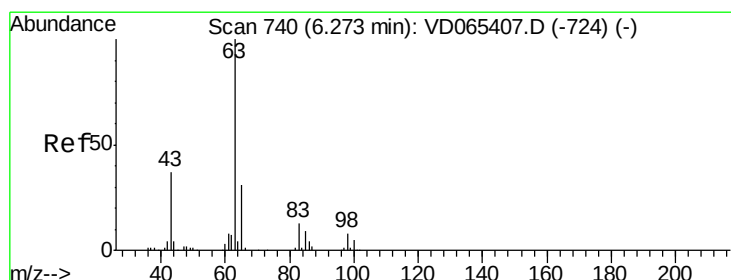
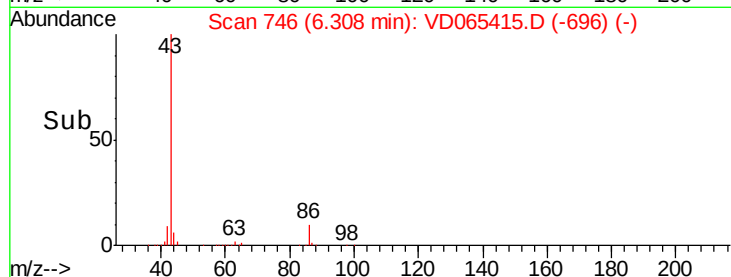
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.318 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

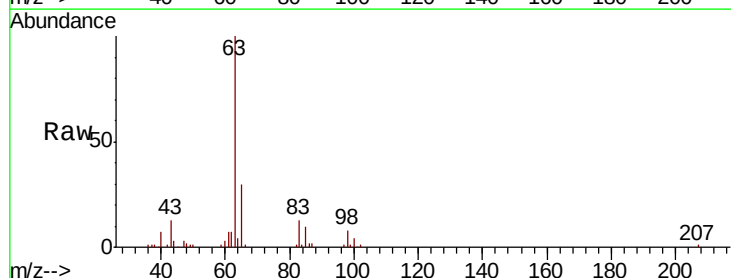
Tgt Ion: 63 Resp: 172786

Ion Ratio Lower Upper

63 100

98 7.5 4.2 12.6

100 4.4 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

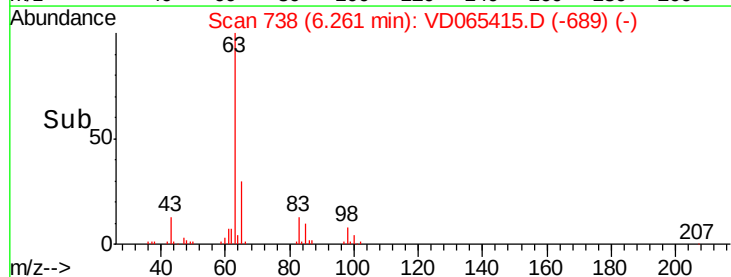
60000

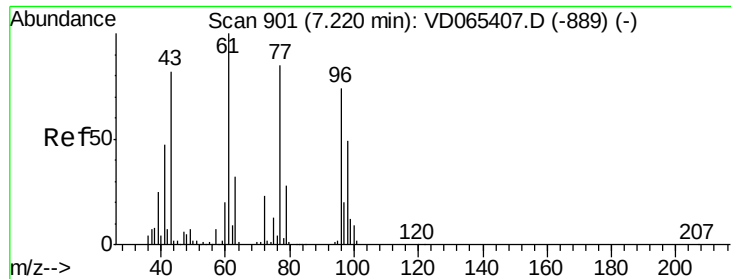
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.315 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

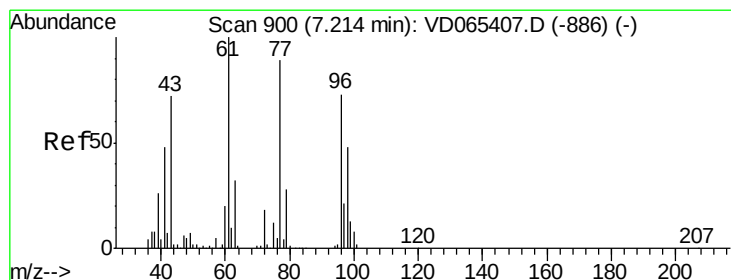
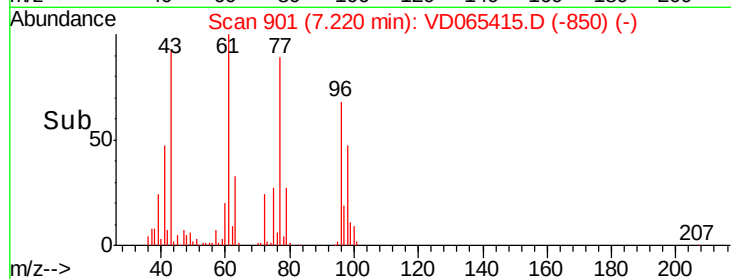
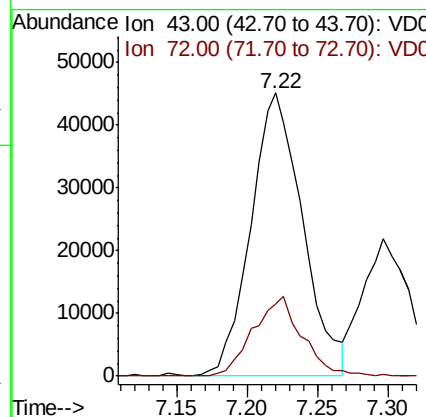
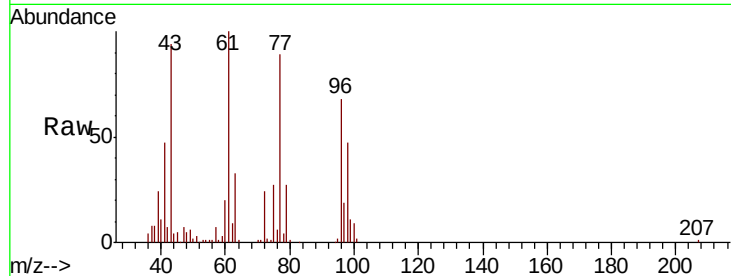
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 116194

Ion Ratio Lower Upper

43 100

72 25.3 22.3 33.5



#26

2,2-Dichloropropane

Concen: 20.411 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065415.D

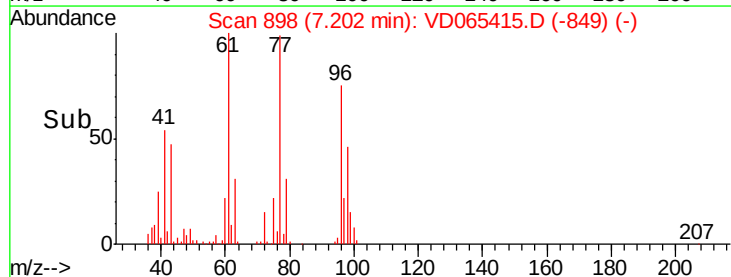
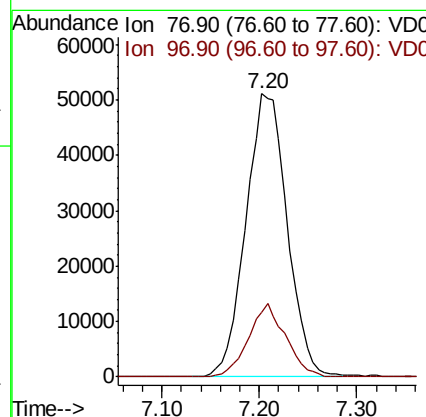
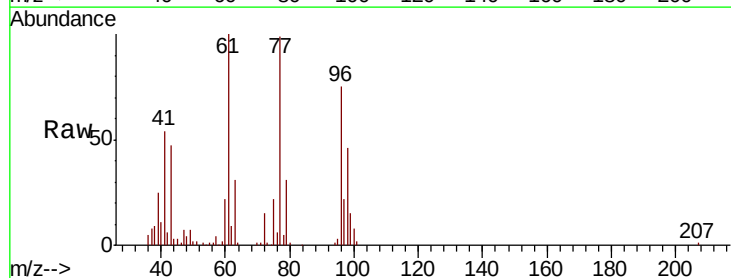
Acq: 04 Mar 2020 17:18

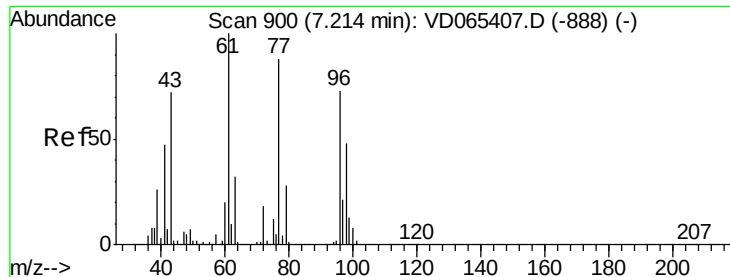
Tgt Ion: 77 Resp: 151687

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.4



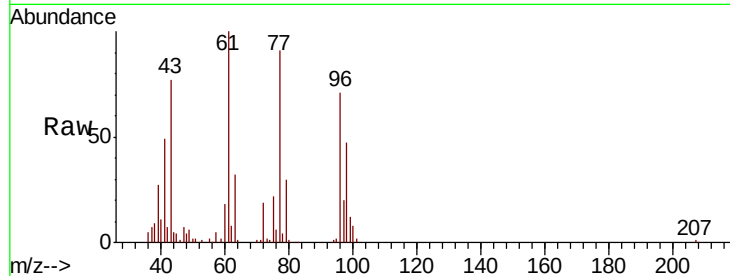


#27

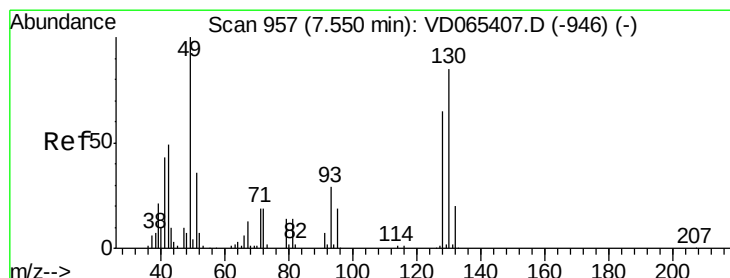
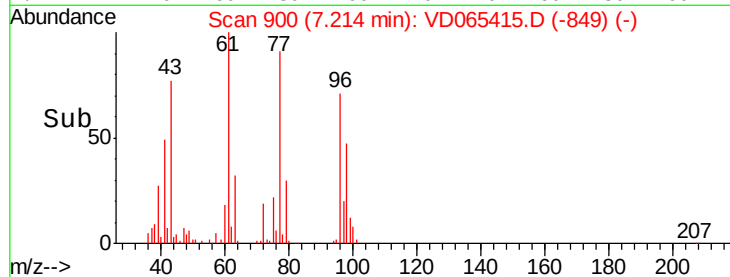
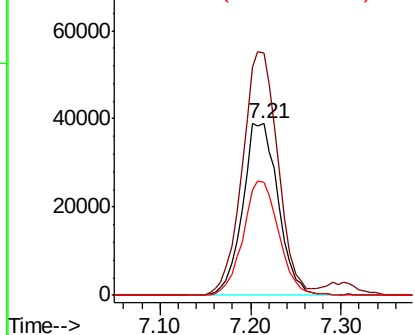
cis-1,2-Dichloroethene
Concen: 20.037 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 105776
Ion Ratio Lower Upper
96 100
61 142.5 0.0 280.4
98 66.7 0.0 132.6



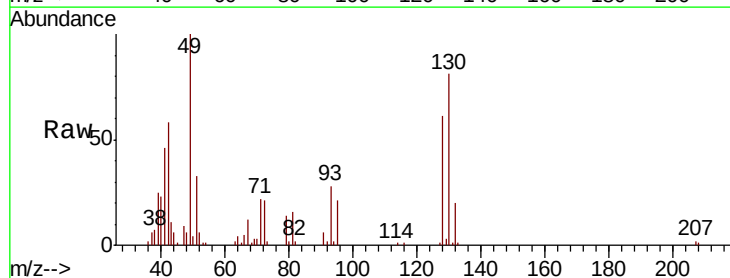
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



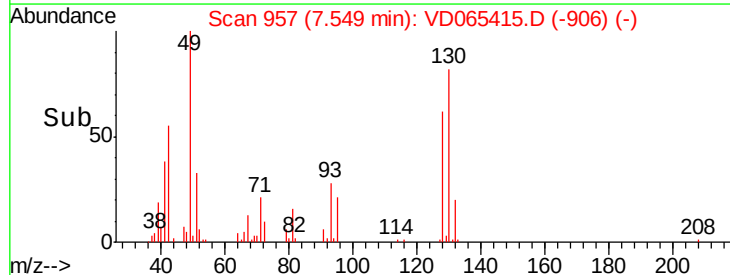
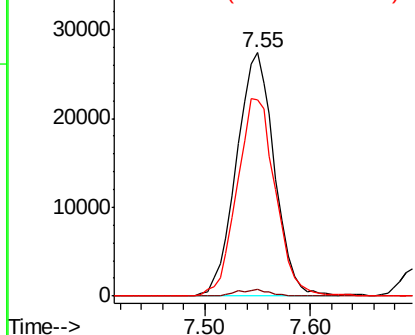
#28

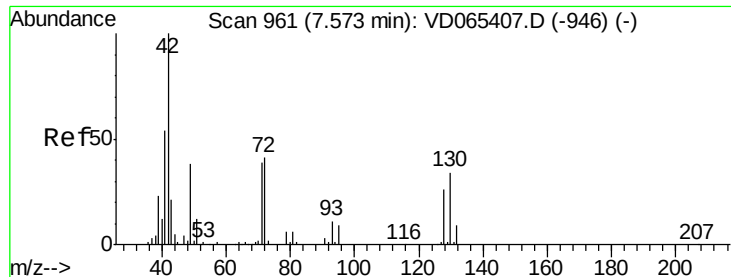
Bromochloromethane
Concen: 20.031 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 49 Resp: 68154
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 82.4 66.6 100.0



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

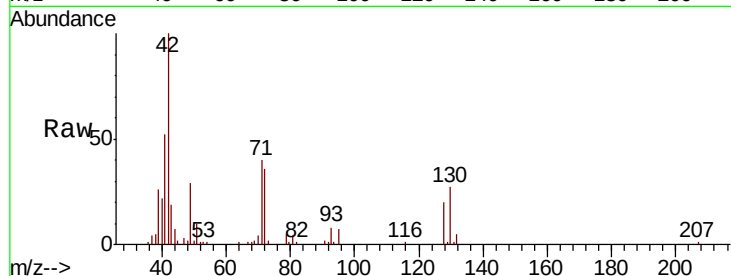




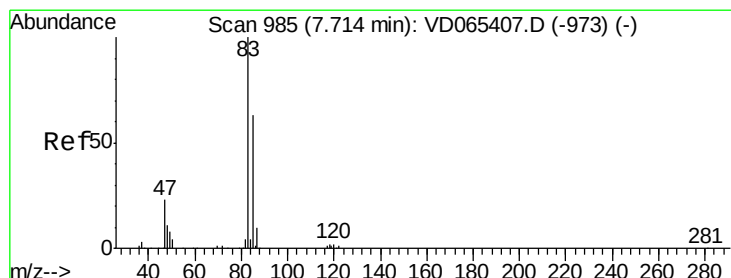
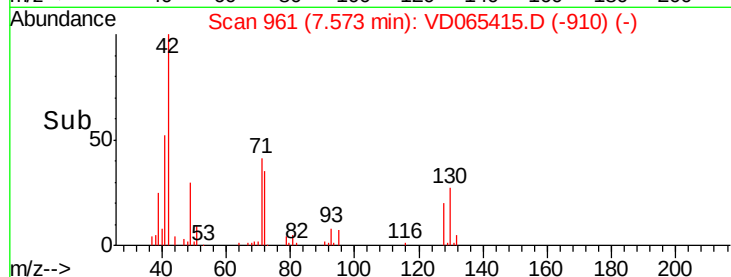
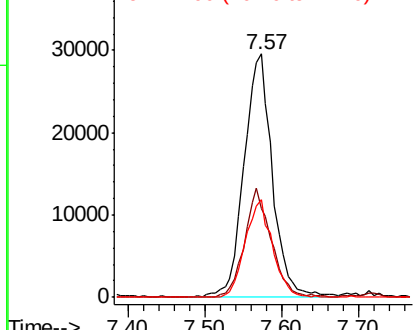
#29
Tetrahydrofuran
Concen: 101.316 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 76468
Ion Ratio Lower Upper
42 100
72 41.8 33.0 49.6
71 38.3 32.0 48.0

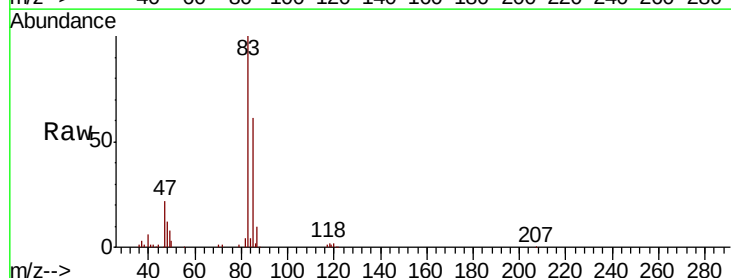


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

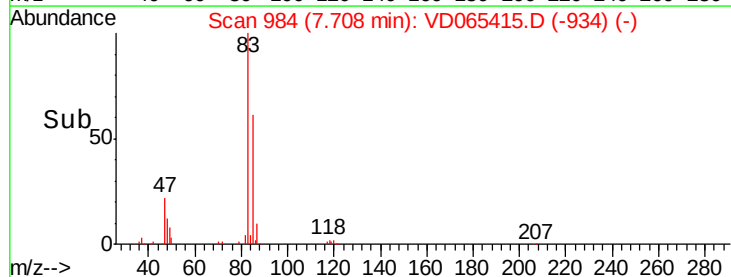
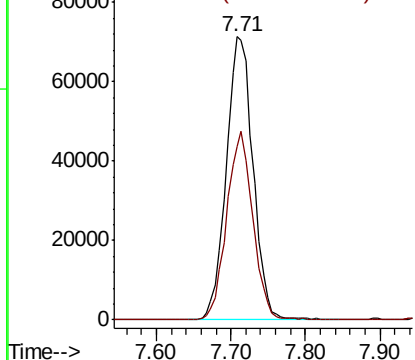


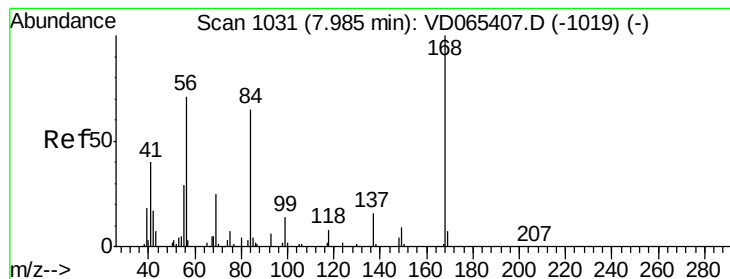
#30
Chloroform
Concen: 20.965 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 83 Resp: 178200
Ion Ratio Lower Upper
83 100
85 61.2 50.3 75.5



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





#31

Cyclohexane

Concen: 20.251 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampled :

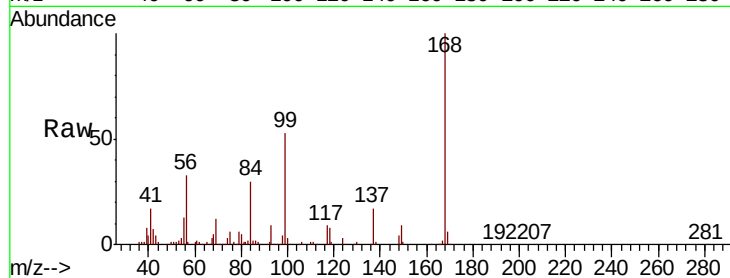
Tot Ion: 56 Resp: 172201

Ion Ratio Lower Upper

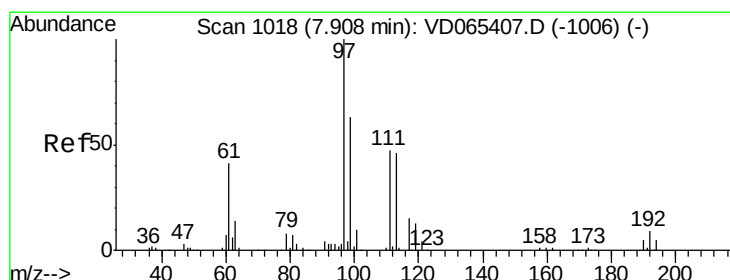
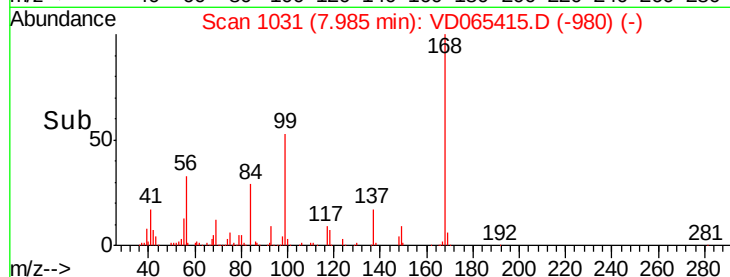
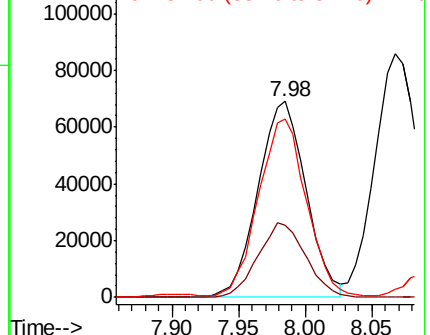
56 100

69 37.1 28.3 42.5

84 89.4 73.1 109.7



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: 19.871 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

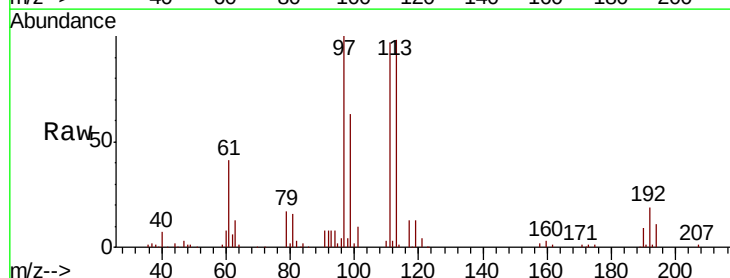
Tgt Ion: 97 Resp: 156083

Ion Ratio Lower Upper

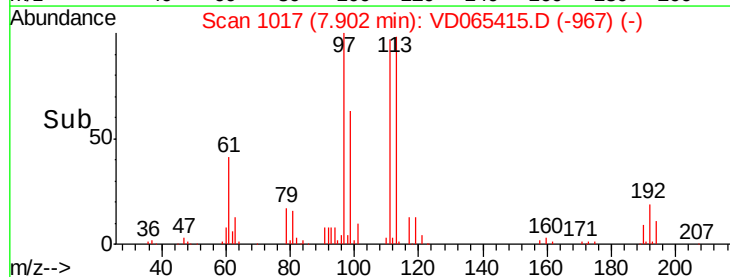
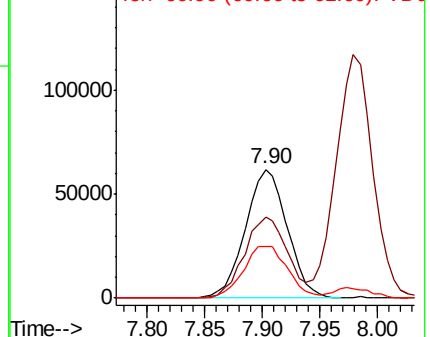
97 100

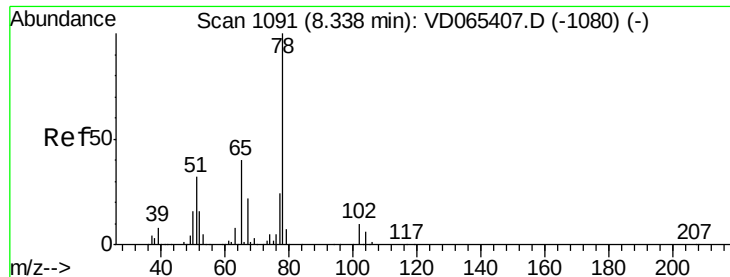
99 64.5 50.9 76.3

61 42.6 33.2 49.8



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

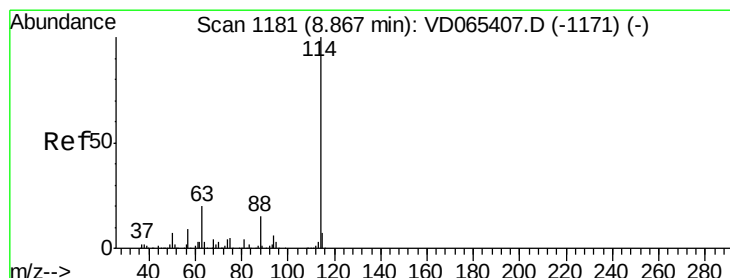
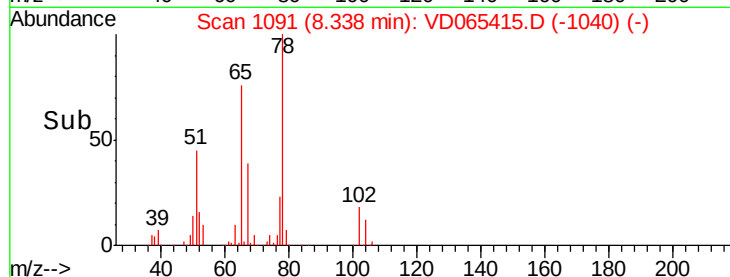
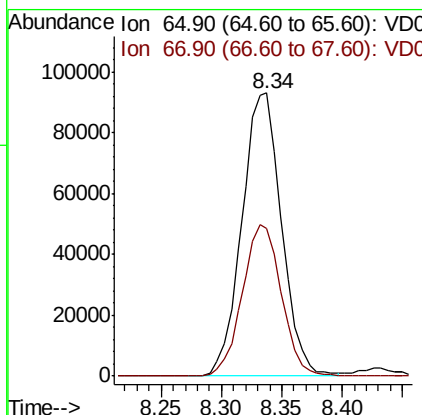
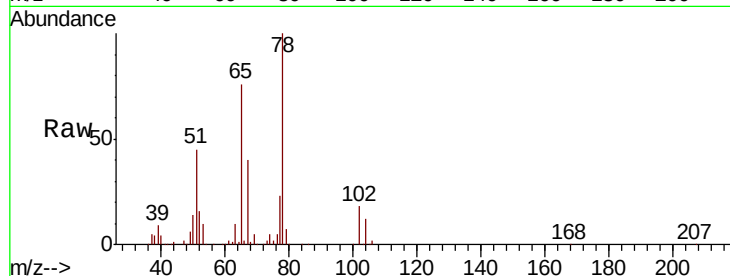




#33
 1,2-Dichloroethane-d4
 Concen: 49.781 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

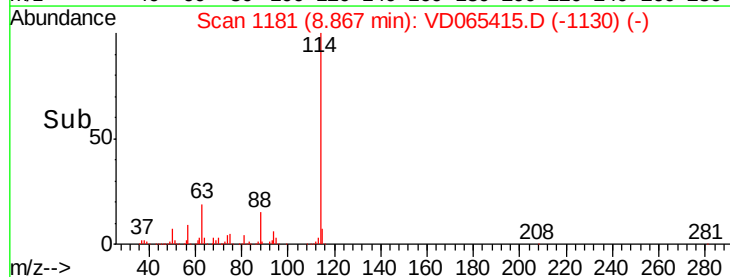
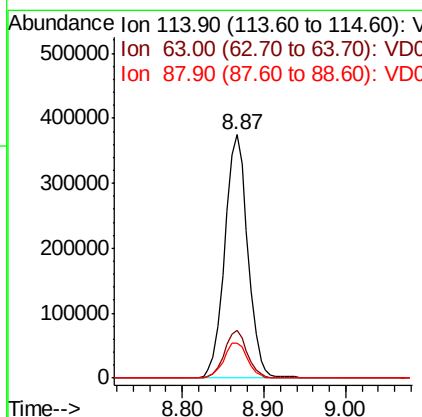
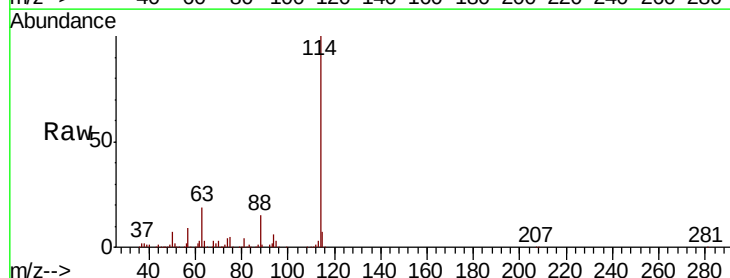
Instrument :
 MSVOA_D
 ClientSampleId :

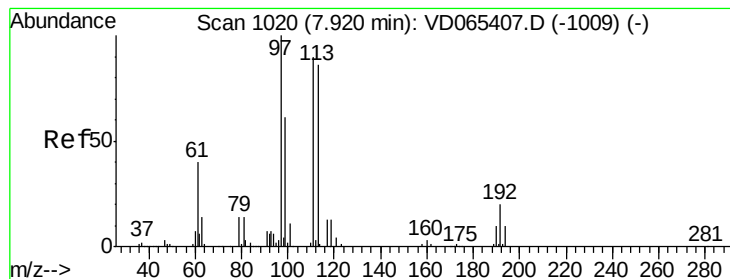
Tot Ion: 65 Resp: 213178
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion: 114 Resp: 735445
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.756 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

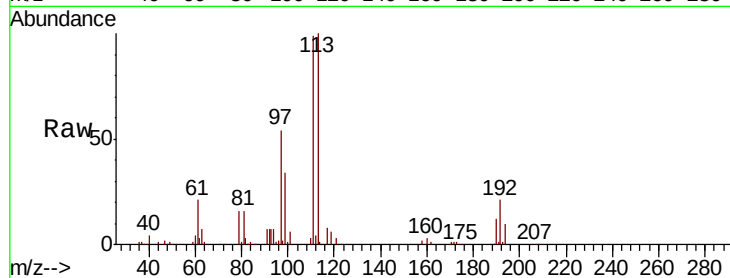
Tot Ion:113 Resp: 221742

Ion Ratio Lower Upper

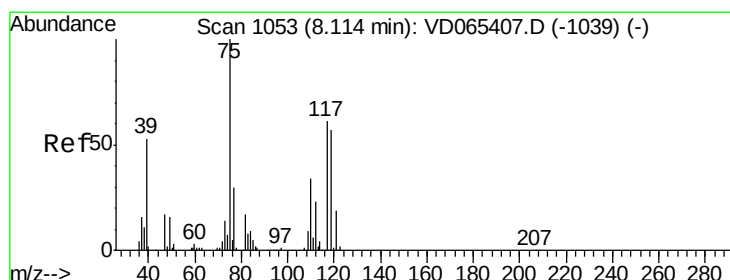
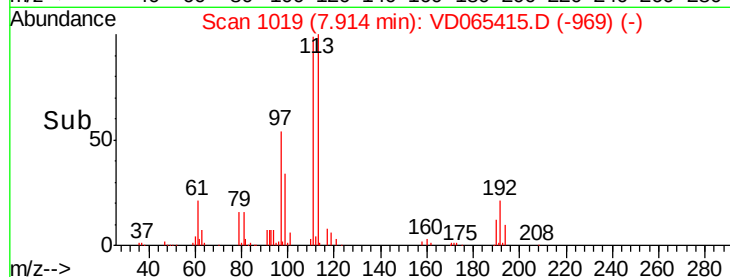
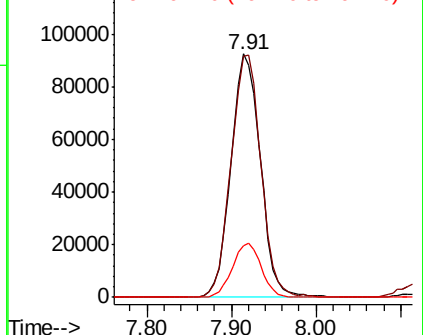
113 100

111 101.3 82.1 123.1

192 21.7 17.2 25.8



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: 20.163 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

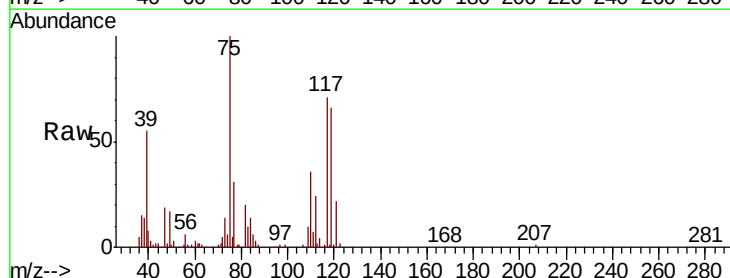
Tgt Ion: 75 Resp: 142142

Ion Ratio Lower Upper

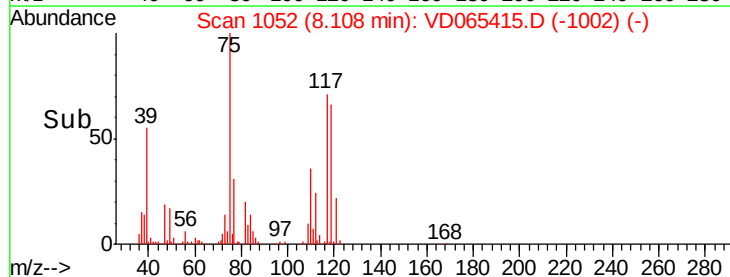
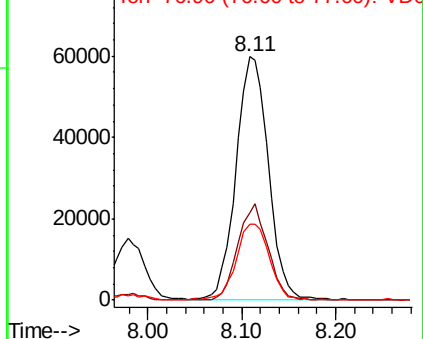
75 100

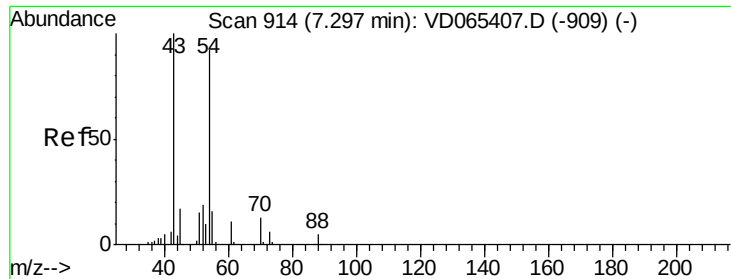
110 36.9 18.1 54.1

77 32.3 25.2 37.8



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

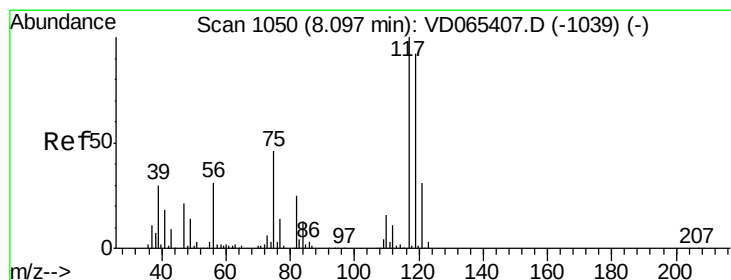
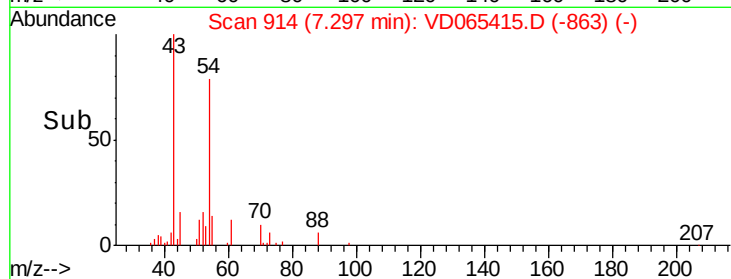
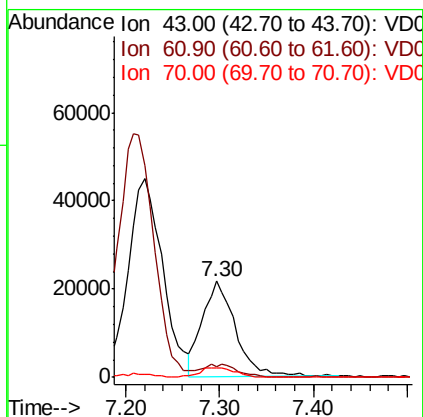
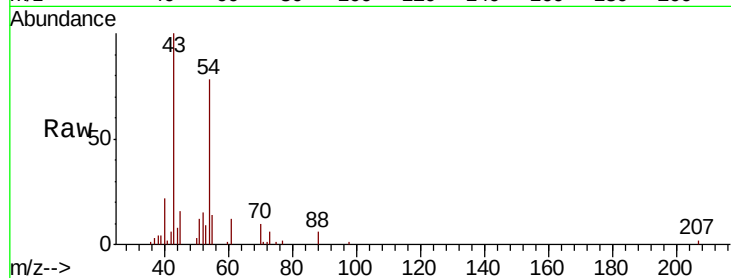




#37
Ethyl Acetate
Concen: 19.645 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

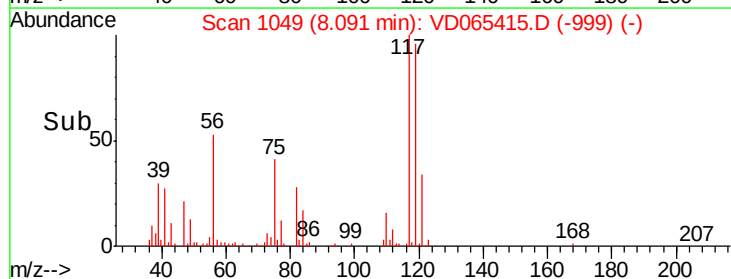
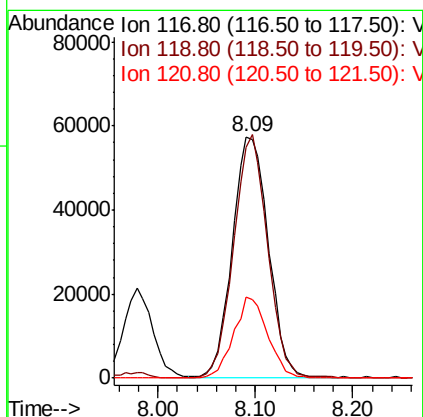
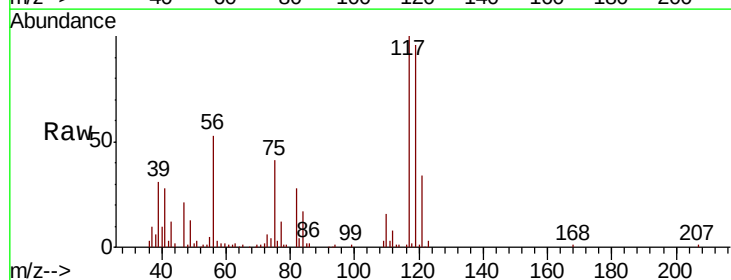
Instrument :
MSVOA_D
ClientSampleId :

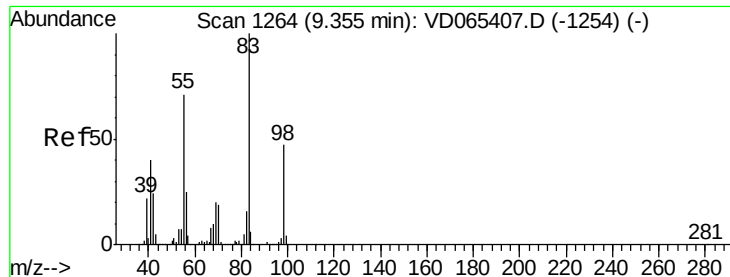
Tot Ion: 43 Resp: 53529
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.0
70 10.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 20.205 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 117 Resp: 147702
Ion Ratio Lower Upper
117 100
119 95.6 73.3 109.9
121 33.9 25.0 37.4

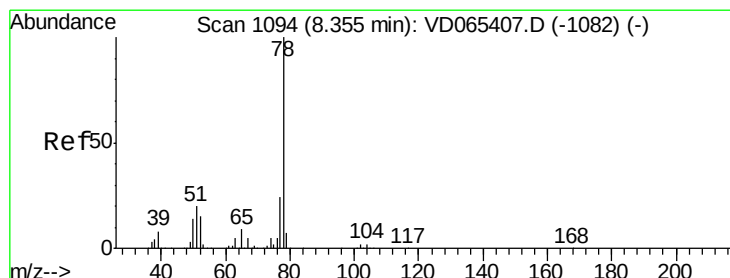
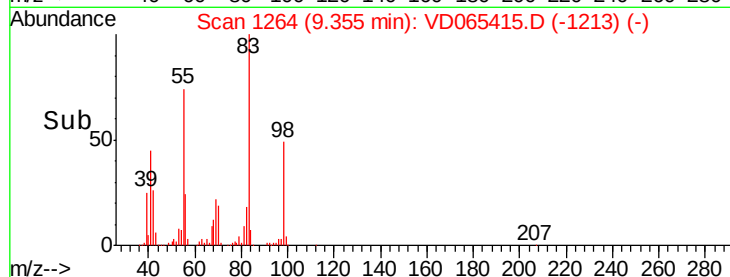
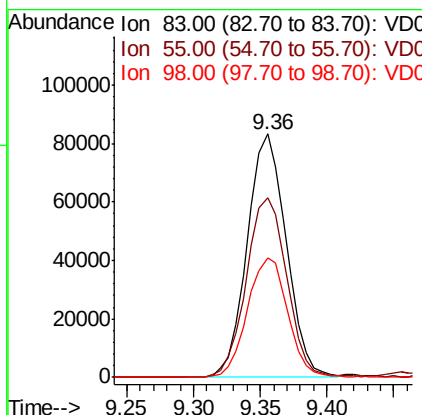
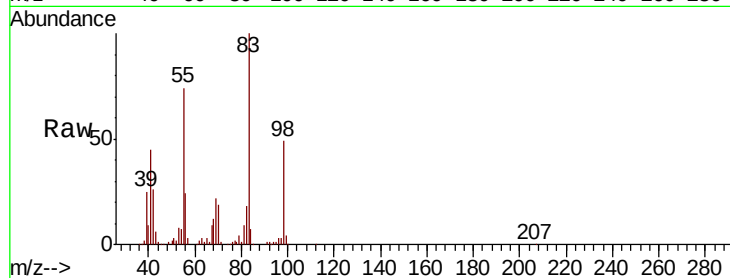




#39
Methylvlcyclohexane
Concen: 19.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

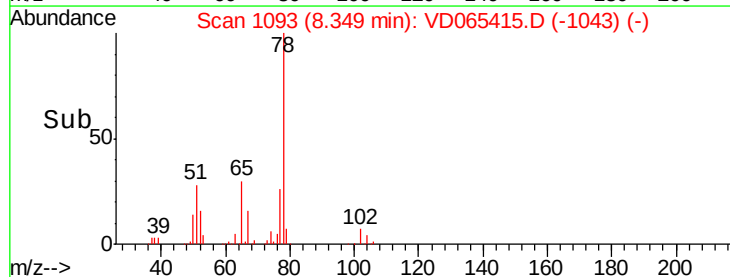
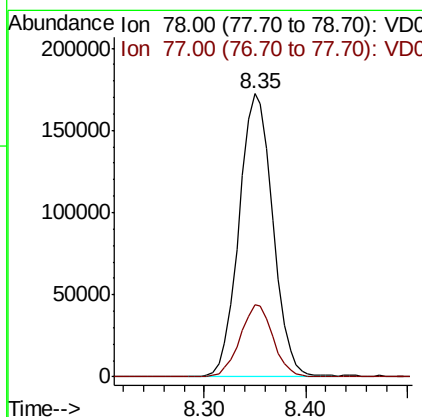
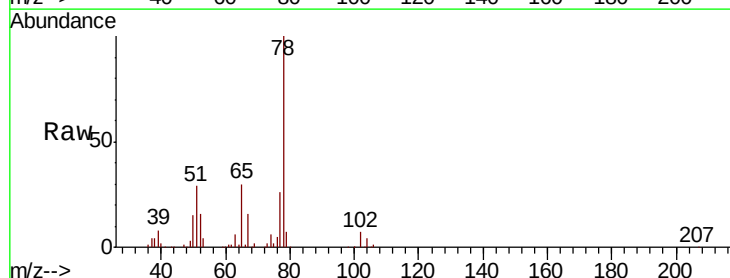
Instrument :
MSVOA_D
ClientSampled :

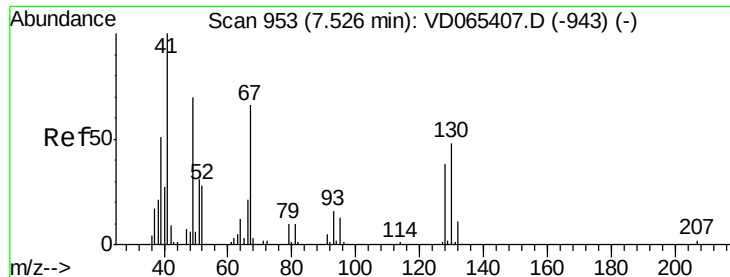
Tot Ion: 83 Resp: 168497
Ion Ratio Lower Upper
83 100
55 73.7 57.1 85.7
98 49.0 37.8 56.8



#40
Benzene
Concen: 20.247 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 78 Resp: 399089
Ion Ratio Lower Upper
78 100
77 25.7 19.4 29.0

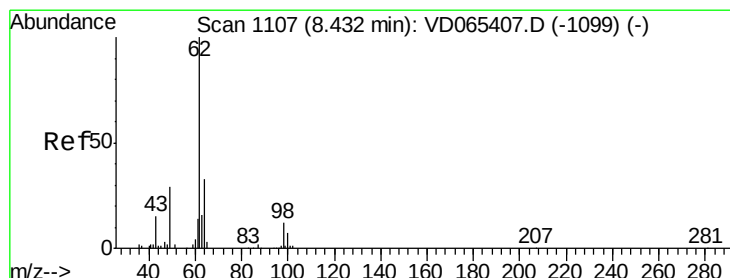
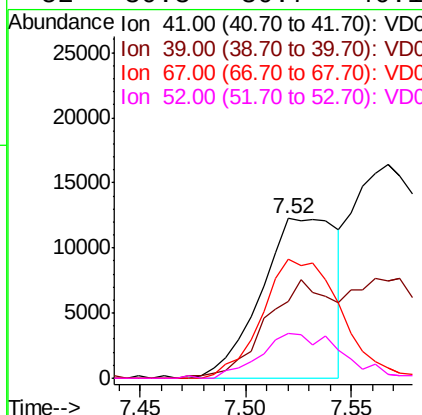
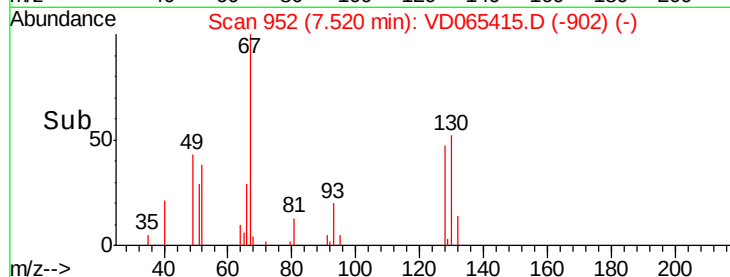
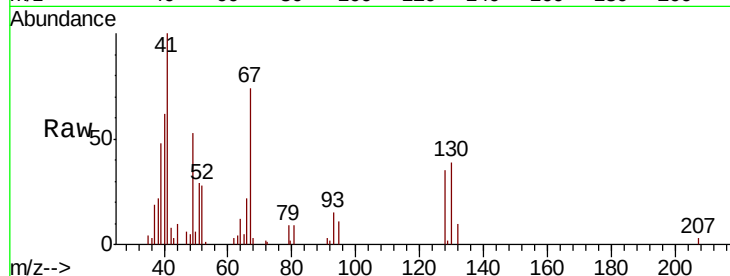




#41
Methacrylonitrile
Concen: 21.307 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

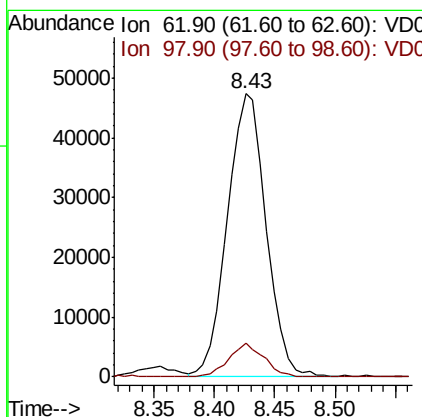
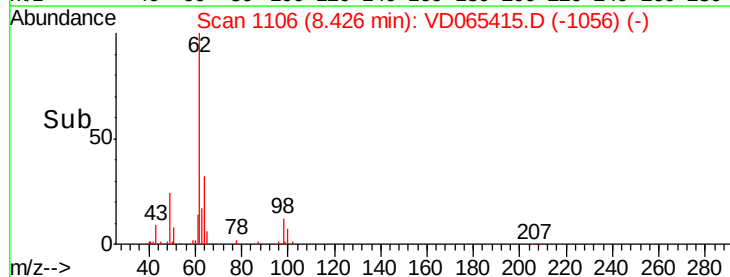
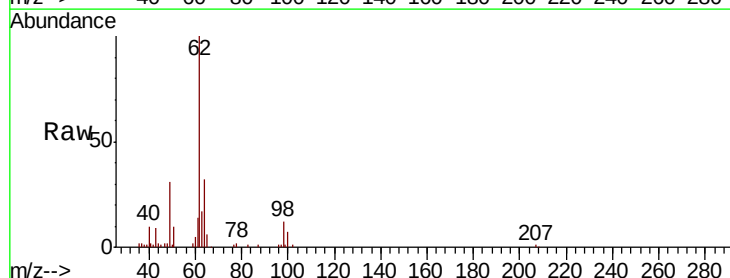
Instrument :
MSVOA_D
ClientSampleId :

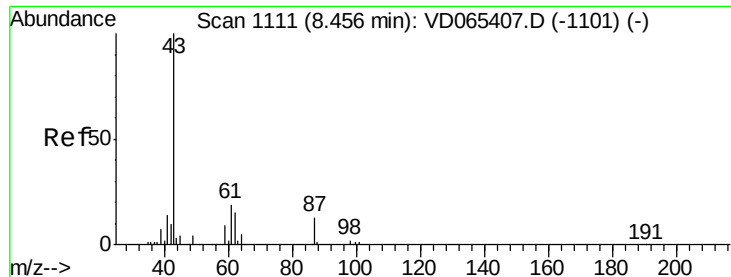
Tot Ion: 41 Resp: 30704
Ion Ratio Lower Upper
41 100
39 54.1 55.0 82.6#
67 77.2 70.3 105.5
52 30.3 30.7 46.1#



#42
1,2-Dichloroethane
Concen: 20.353 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 62 Resp: 104757
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.4





#43

Isopropyl Acetate

Concen: 19.848 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

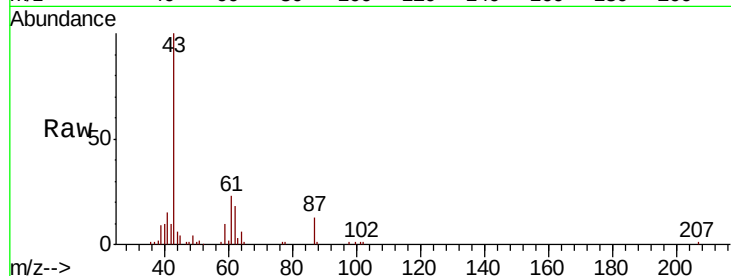
Tot Ion: 43 Resp: 99859

Ion Ratio Lower Upper

43 100

61 33.0 25.0 37.6

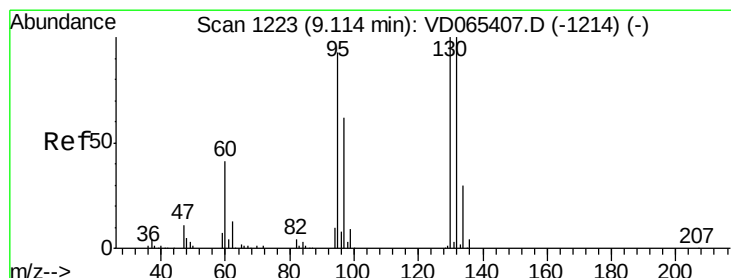
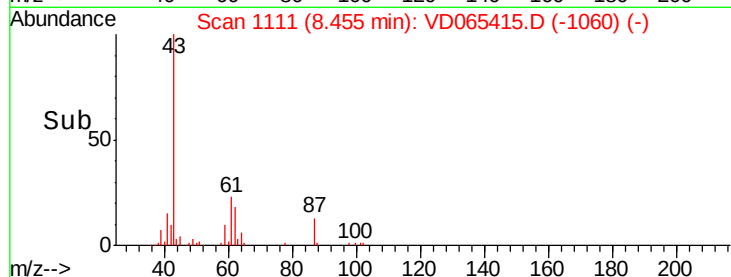
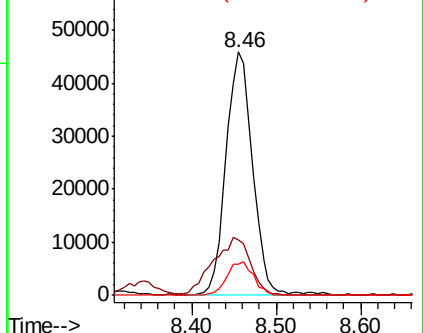
87 13.8 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.574 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065415.D

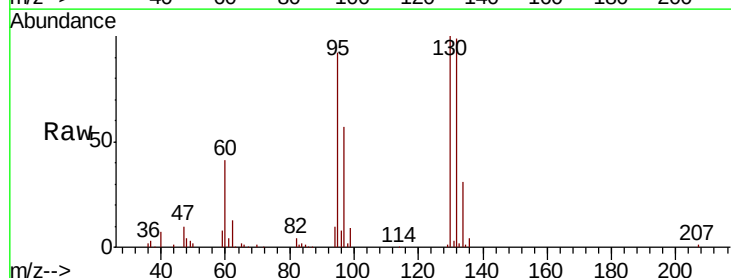
Acq: 04 Mar 2020 17:18

Tgt Ion:130 Resp: 114521

Ion Ratio Lower Upper

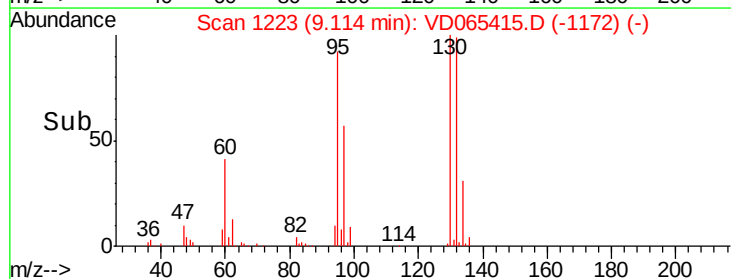
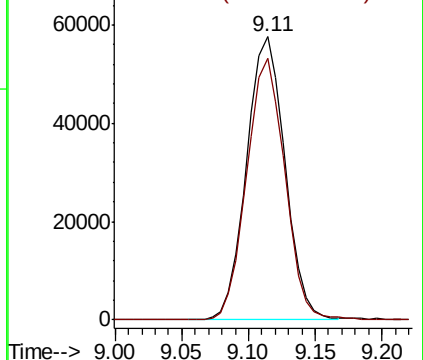
130 100

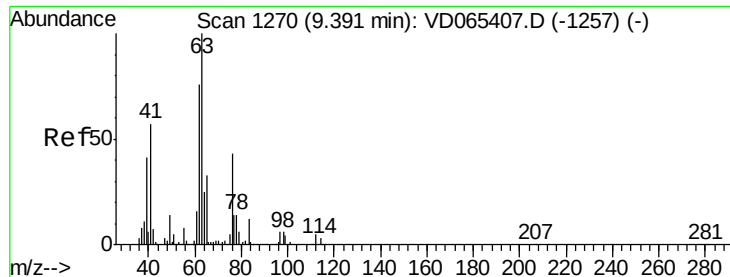
95 92.2 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

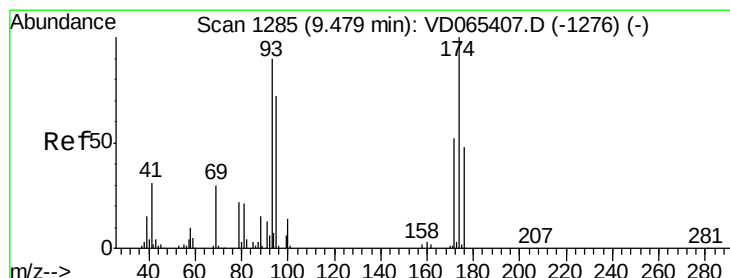
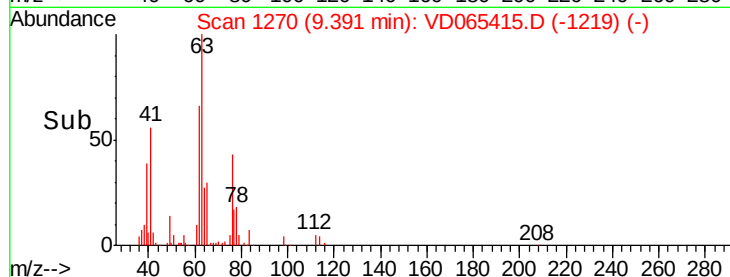
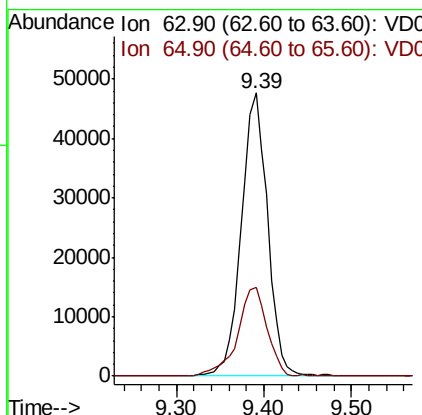
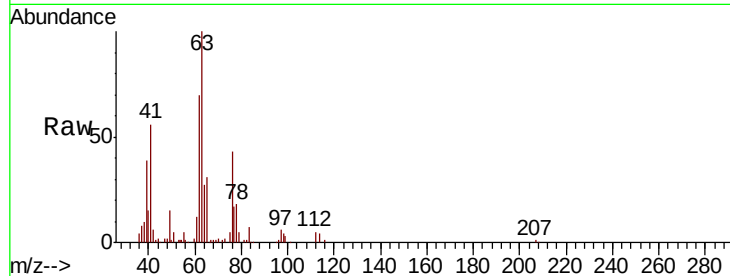




#45
 1,2-Dichloropropane
 Concen: 20.076 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

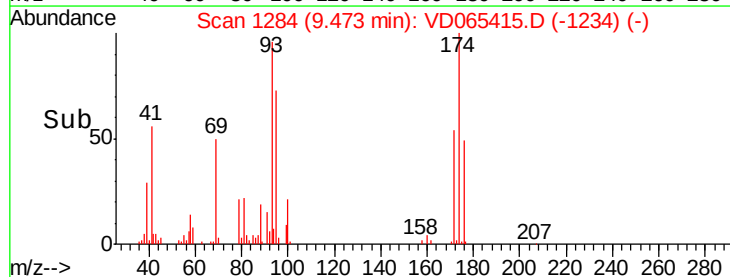
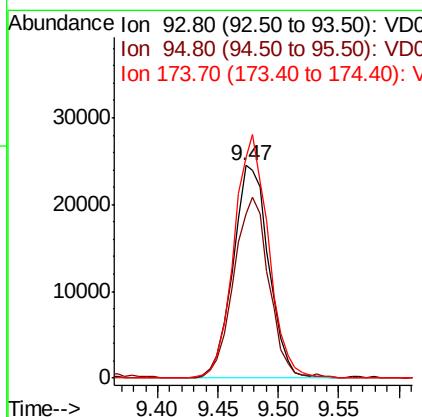
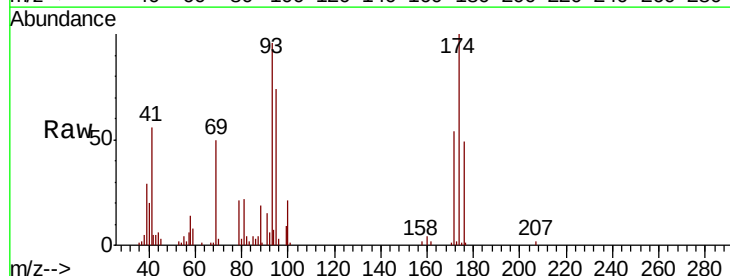
Instrument :
 MSVOA_D
 ClientSampled :

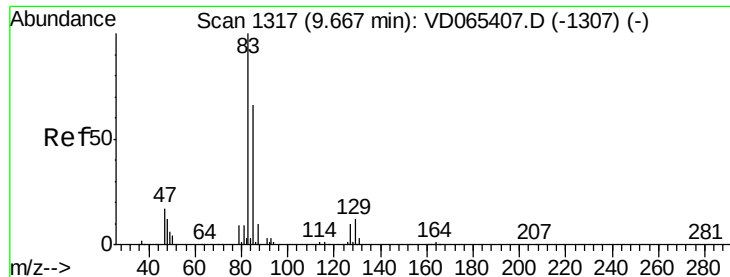
Tot Ion: 63 Resp: 95852
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.4 39.6



#46
 Dibromomethane
 Concen: 20.407 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion: 93 Resp: 50539
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.0 97.6
 174 110.7 88.3 132.5

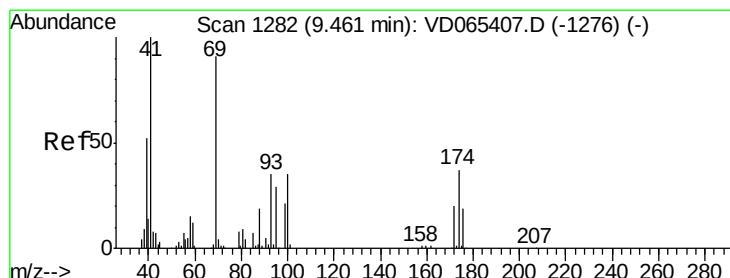
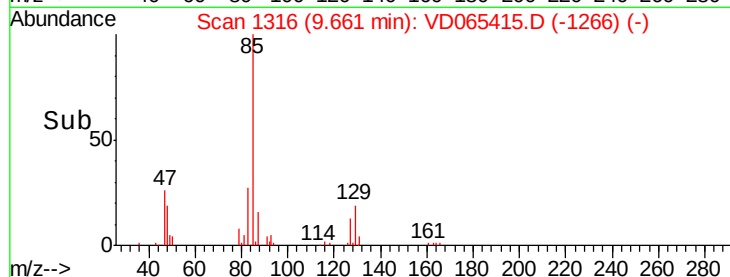
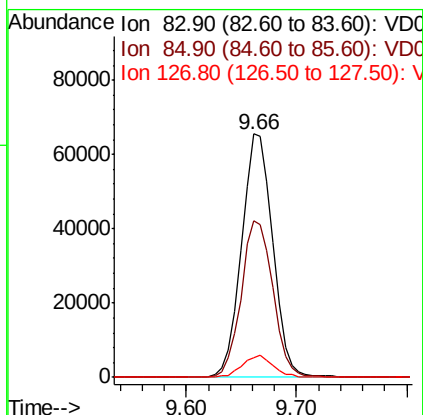
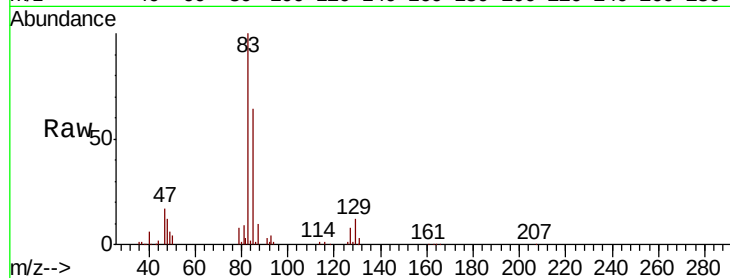




#47
Bromodichloromethane
Concen: 20.232 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

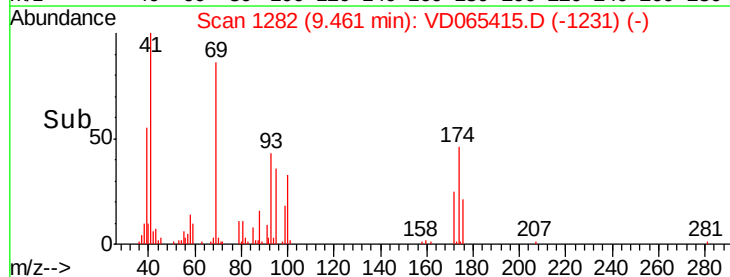
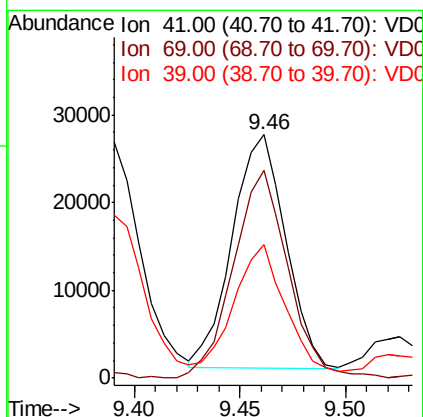
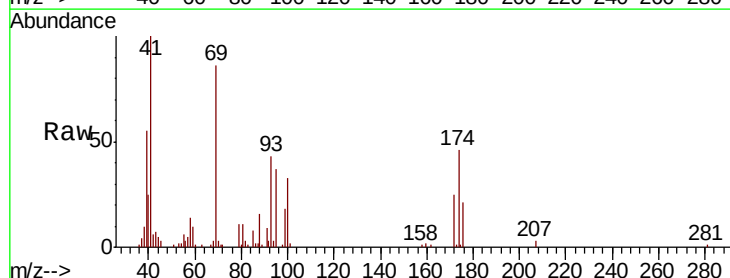
Instrument :
MSVOA_D
ClientSampled :

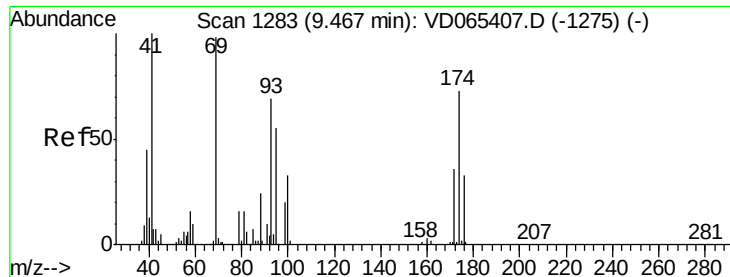
Tot Ion: 83 Resp: 130356
Ion Ratio Lower Upper
83 100
85 64.1 52.8 79.2
127 8.2 8.0 12.0



#48
Methyl methacrylate
Concen: 19.637 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 41 Resp: 46473
Ion Ratio Lower Upper
41 100
69 91.8 72.5 108.7
39 50.8 41.6 62.4

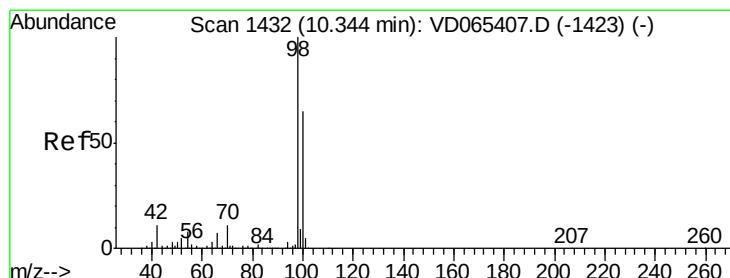
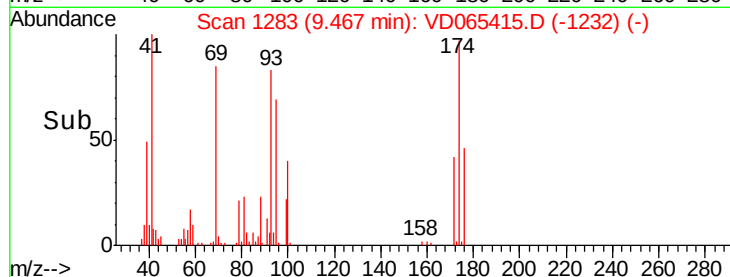
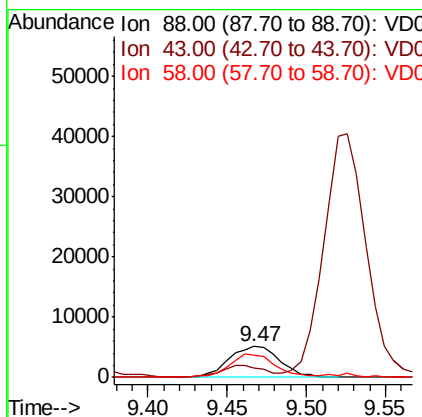
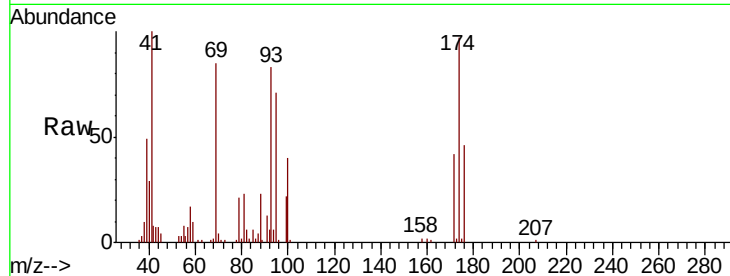




#49
1,4-Dioxane
Concen: 399.136 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

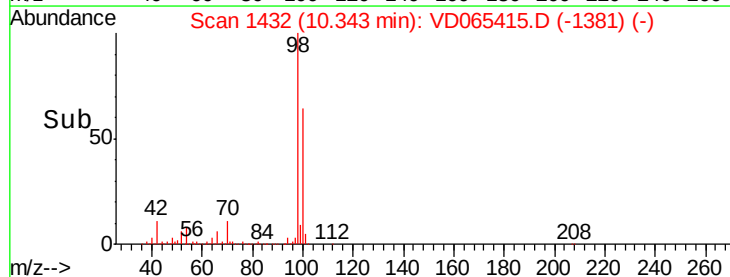
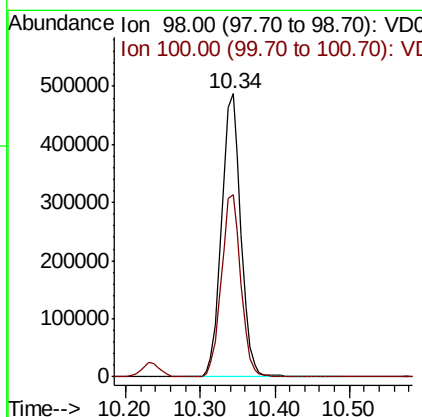
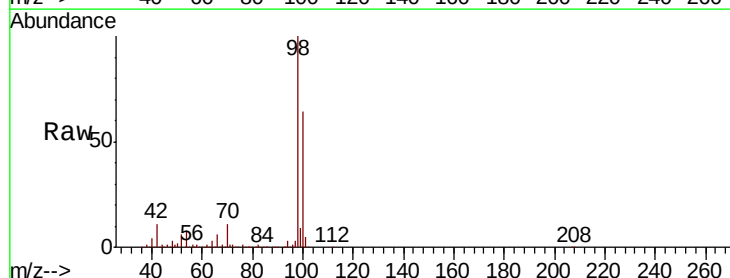
Instrument :
MSVOA_D
ClientSampleId :

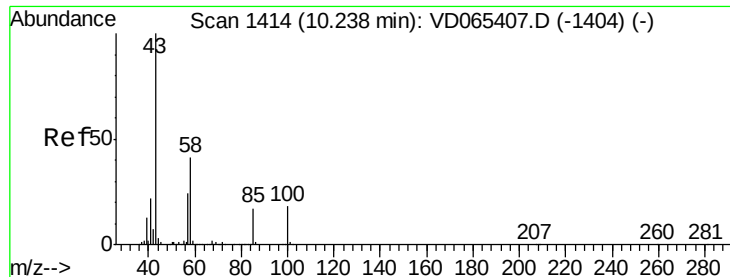
Tot Ion: 88 Resp: 11307
Ion Ratio Lower Upper
88 100
43 32.6 24.5 36.7
58 67.9 54.5 81.7



#50
Toluene-d8
Concen: 50.284 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 98 Resp: 877350
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 102.051 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

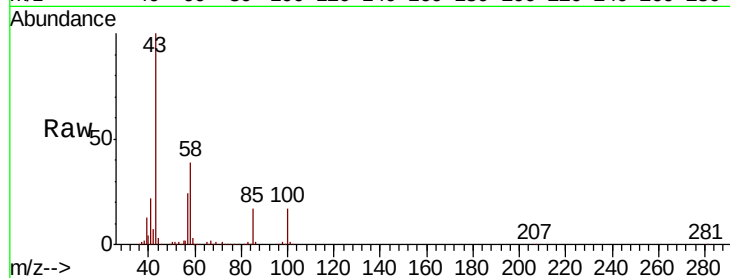
ClientSampleId :

Tot Ion: 43 Resp: 258375

Ion Ratio Lower Upper

43 100

58 38.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

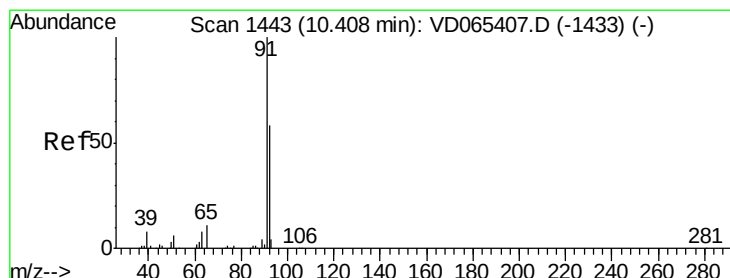
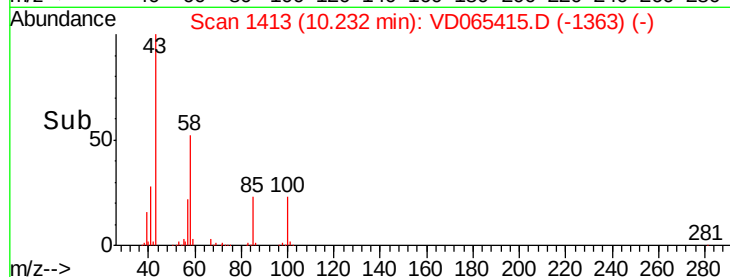
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.518 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065415.D

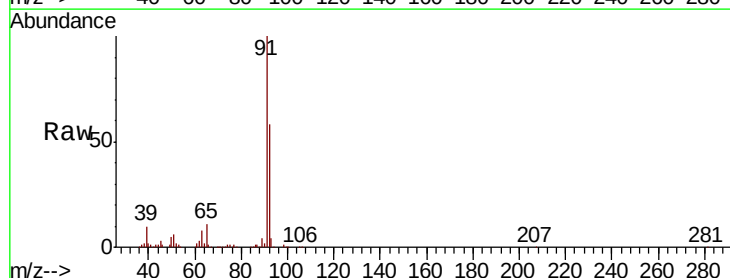
Acq: 04 Mar 2020 17:18

Tgt Ion: 92 Resp: 254774

Ion Ratio Lower Upper

92 100

91 172.6 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

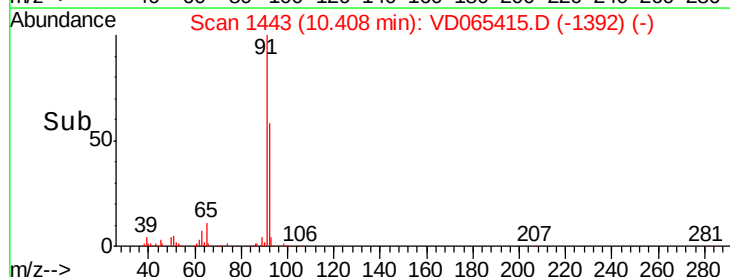
150000

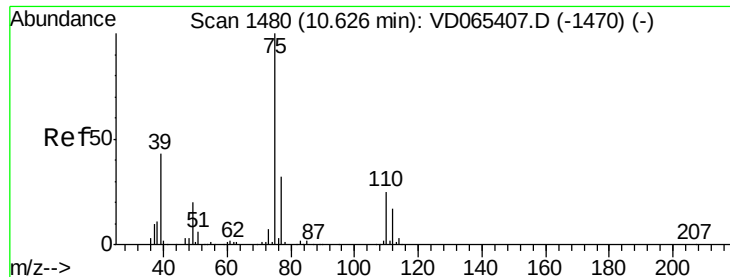
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.920 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

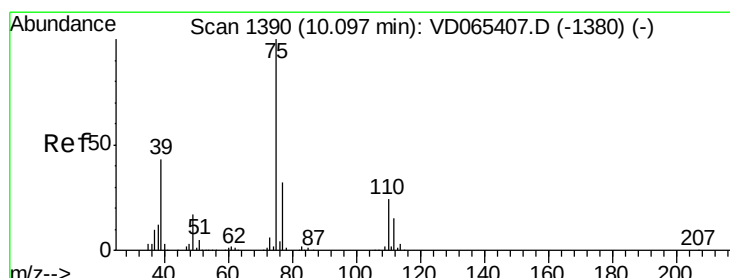
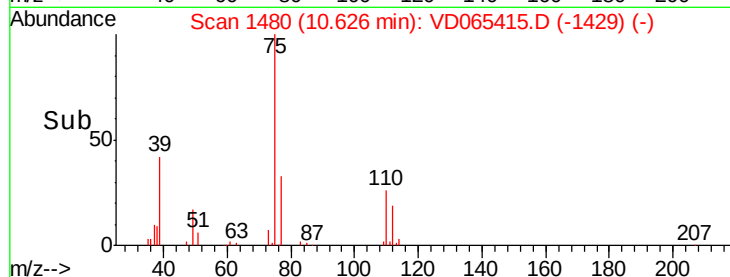
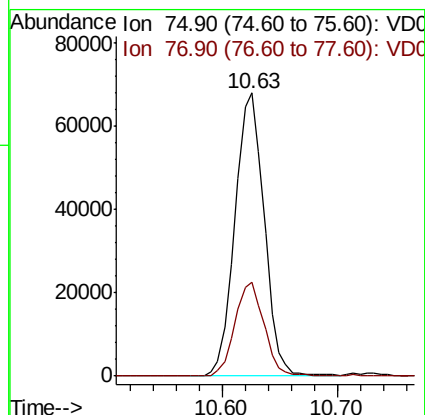
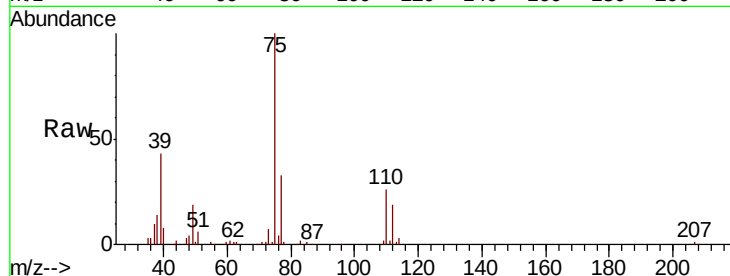
ClientSampleId :

Tot Ion: 75 Resp: 119942

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.215 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

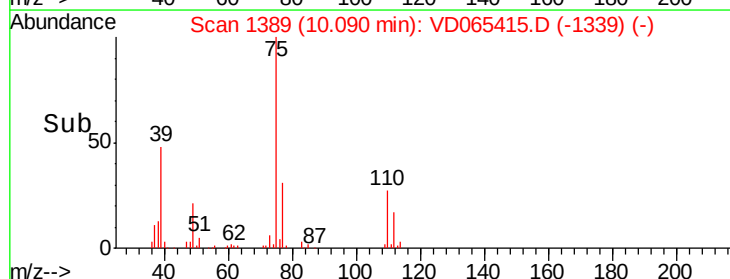
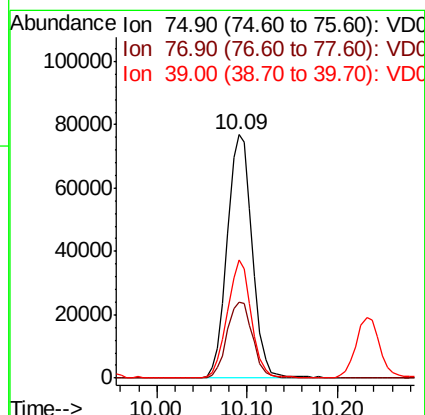
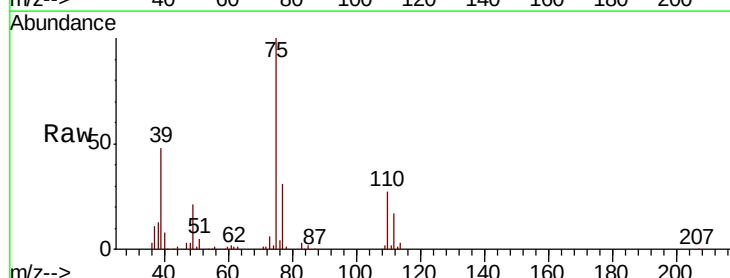
Tgt Ion: 75 Resp: 147327

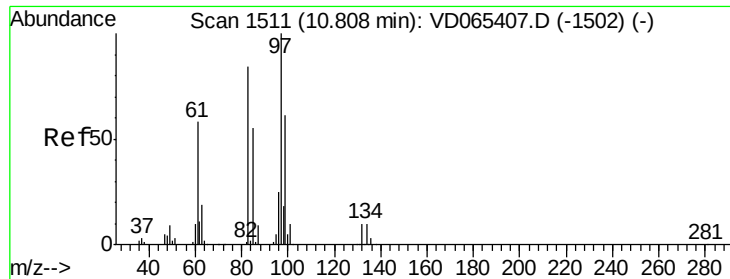
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 48.4 34.6 52.0

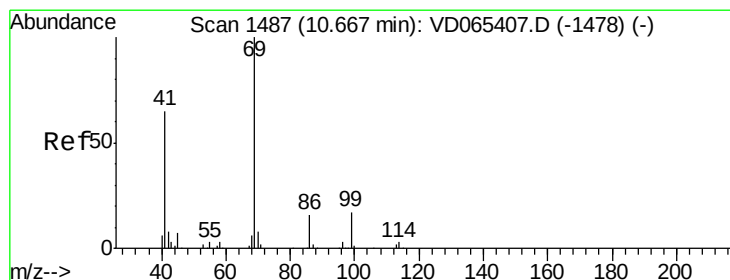
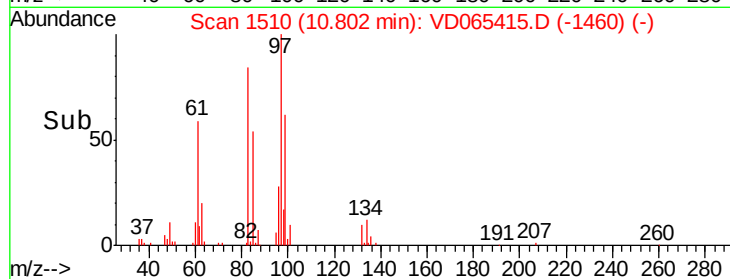
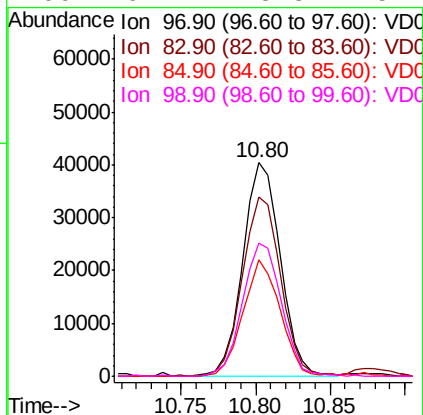
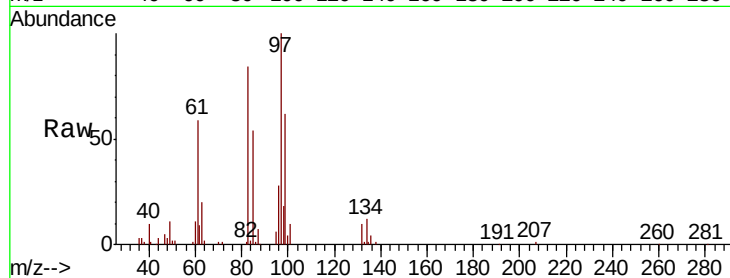




#55
 1,1,2-Trichloroethane
 Concen: 20.061 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

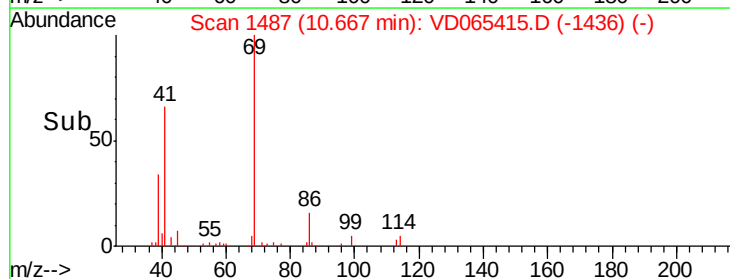
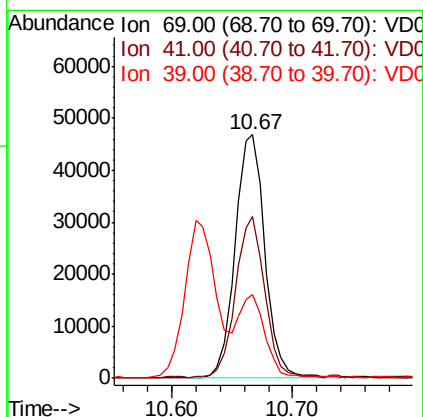
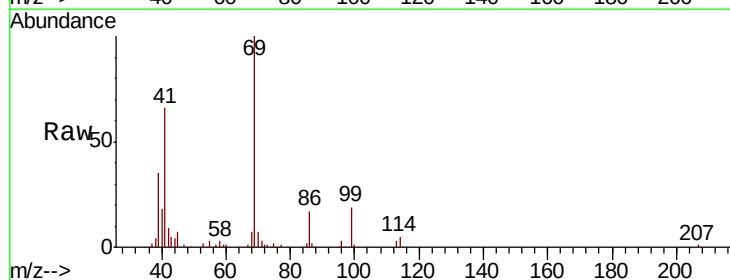
Instrument :
 MSVOA_D
 ClientSampleId :

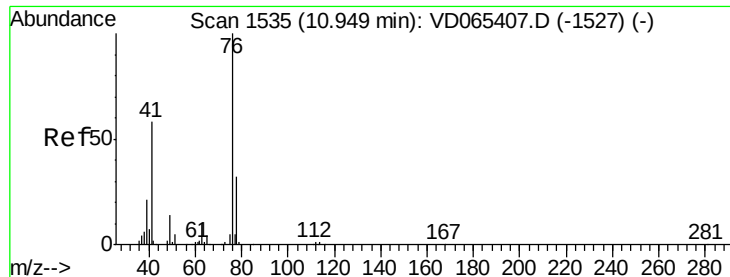
Tot Ion:	97	Resp:	70367
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.4	101.0
85	54.3	43.8	65.8
99	62.1	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 20.384 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion:	69	Resp:	80605
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.0	79.6
39	30.9	26.0	39.0





#57

1,3-Dichloropropane

Concen: 20.611 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

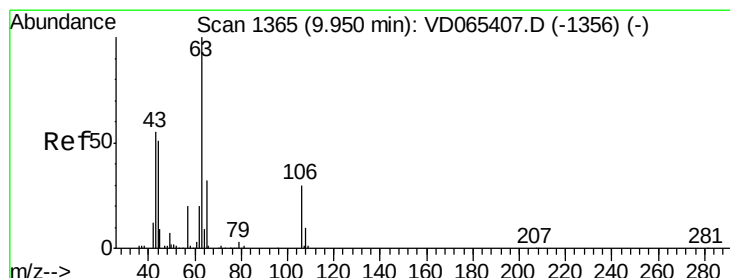
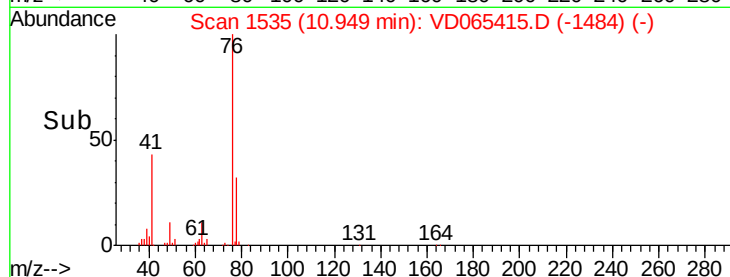
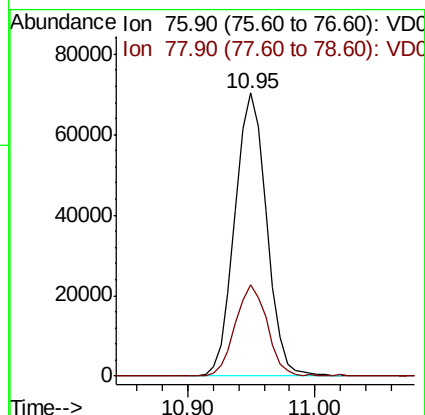
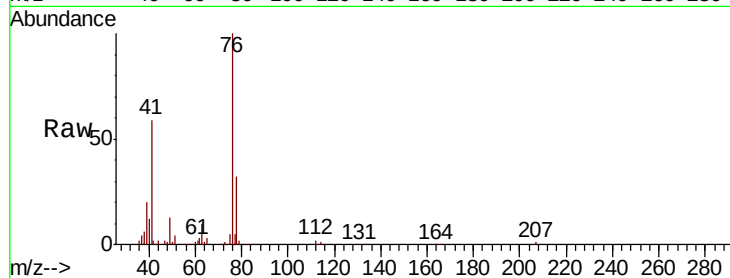
ClientSampleId :

Tot Ion: 76 Resp: 122325

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 109.432 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065415.D

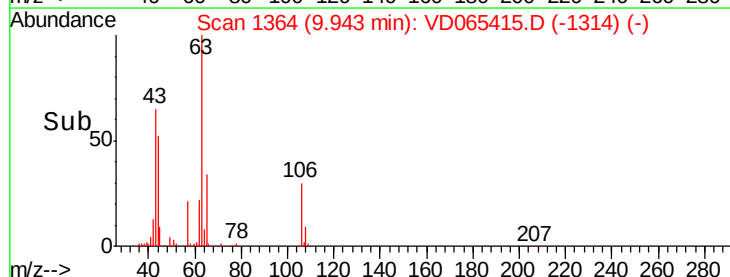
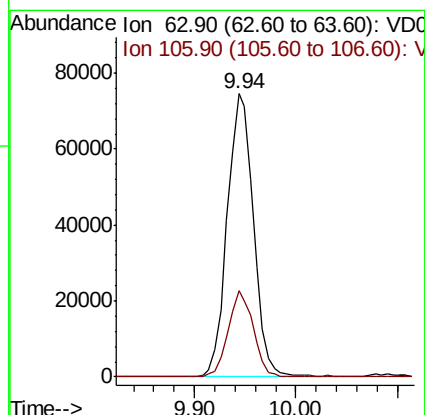
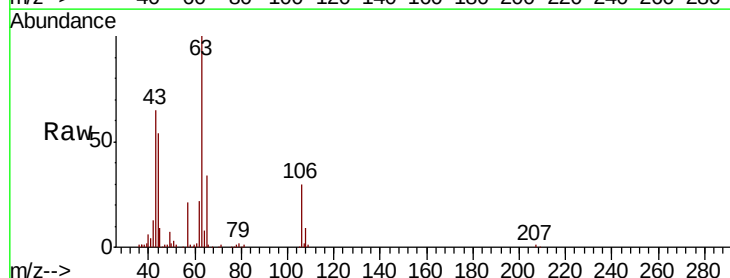
Acq: 04 Mar 2020 17:18

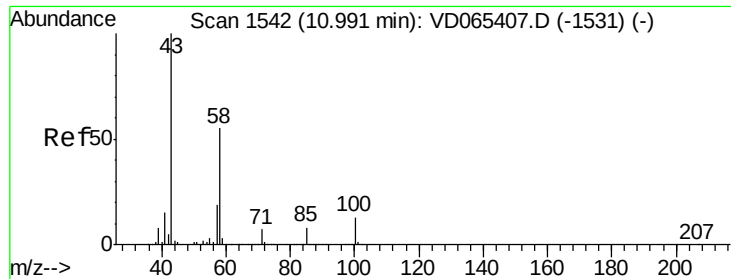
Tgt Ion: 63 Resp: 133720

Ion Ratio Lower Upper

63 100

106 28.7 23.3 34.9

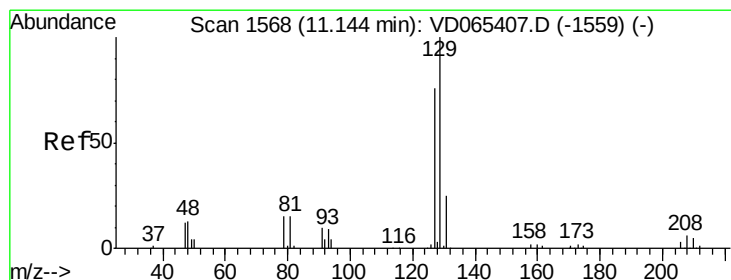
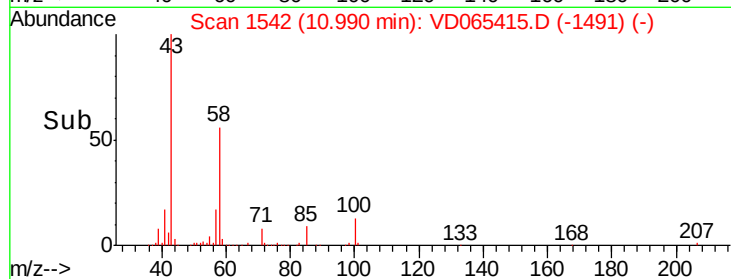
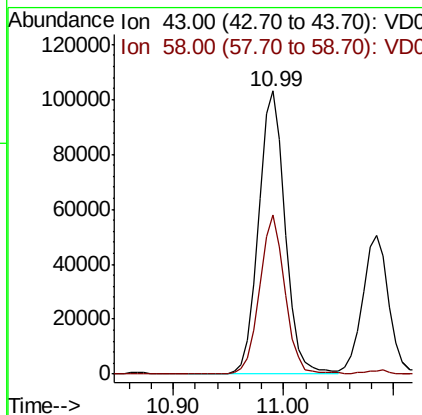
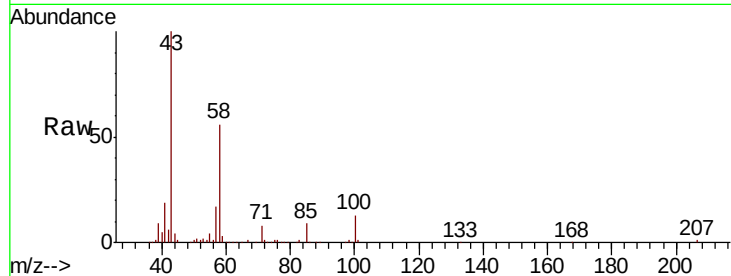




#59
2-Hexanone
Concen: 99.404 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

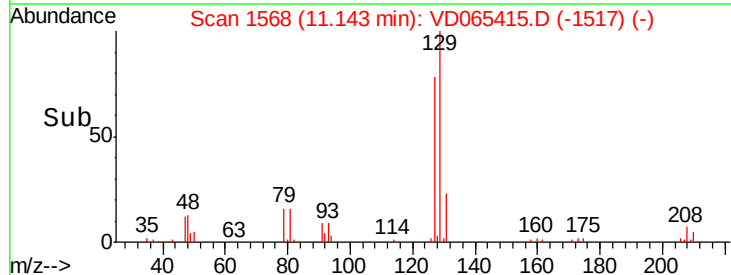
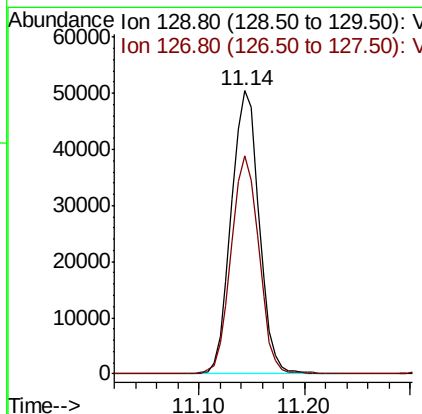
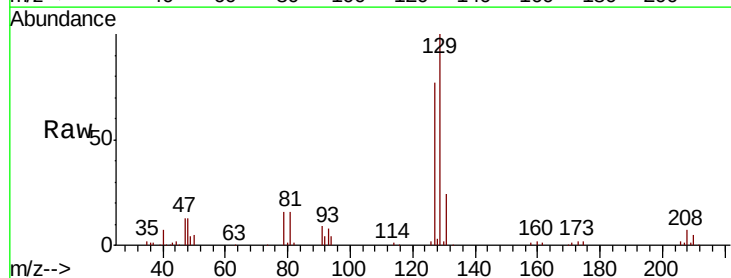
Instrument :
MSVOA_D
ClientSampled :

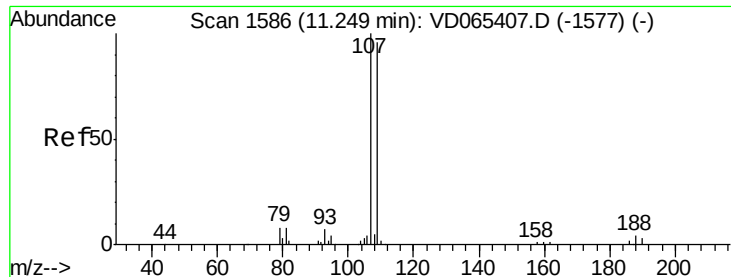
Tot Ion: 43 Resp: 174218
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2



#60
Dibromochloromethane
Concen: 20.436 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion: 129 Resp: 91886
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

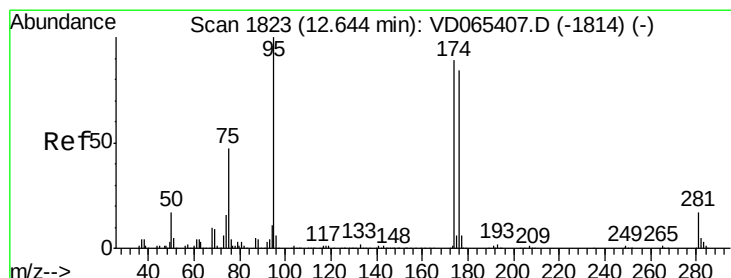
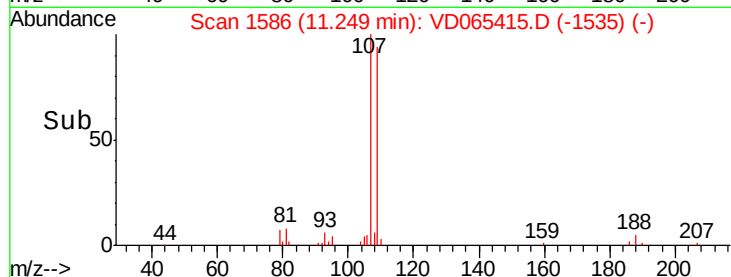
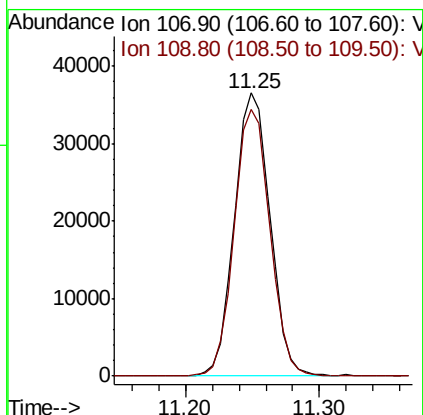
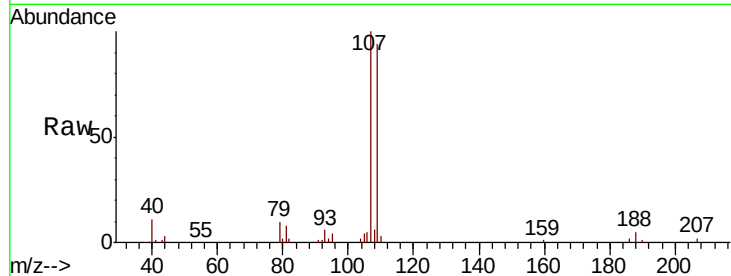




#61
 1,2-Dibromoethane
 Concen: 20.195 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

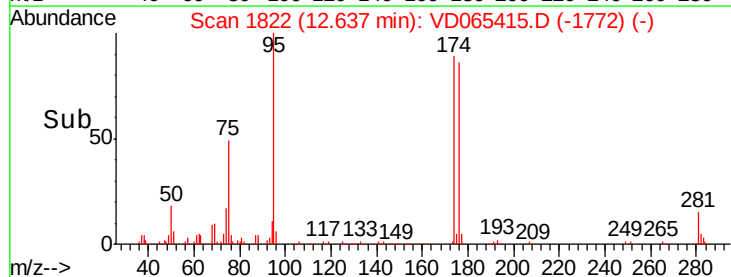
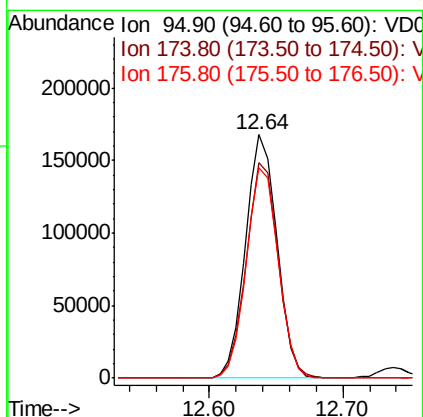
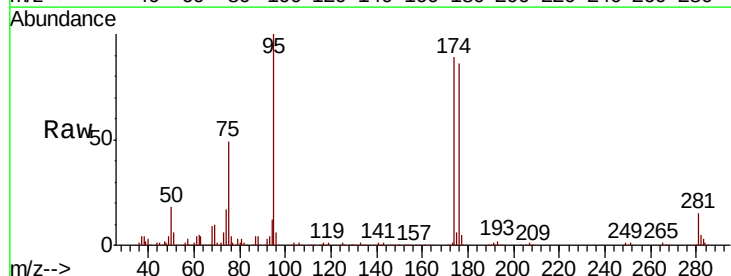
Instrument :
 MSVOA_D
 ClientSampleId :

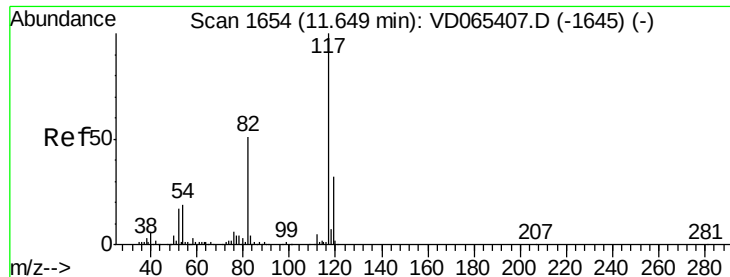
Tot Ion:107 Resp: 67568
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.588 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion: 95 Resp: 272486
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 176.8
 176 87.5 0.0 171.4

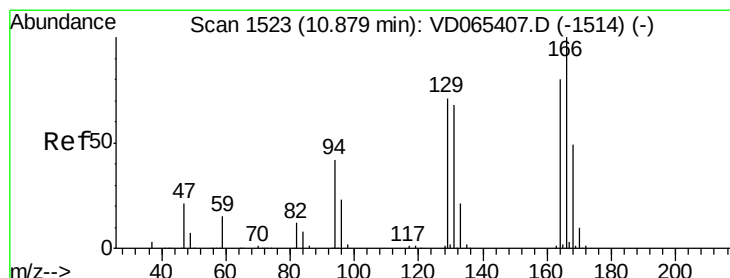
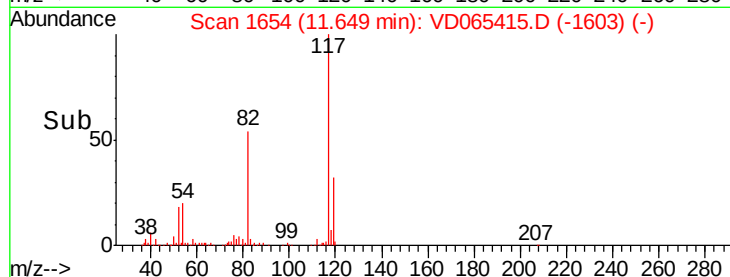
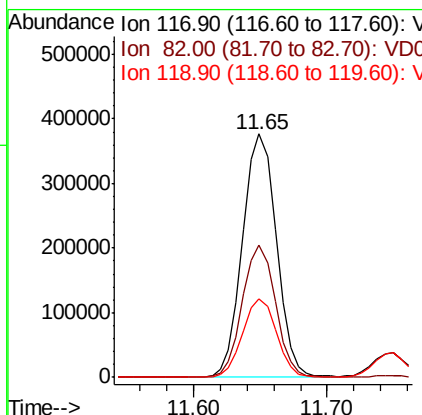
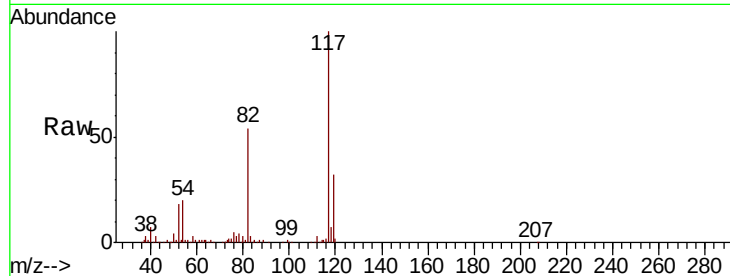




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

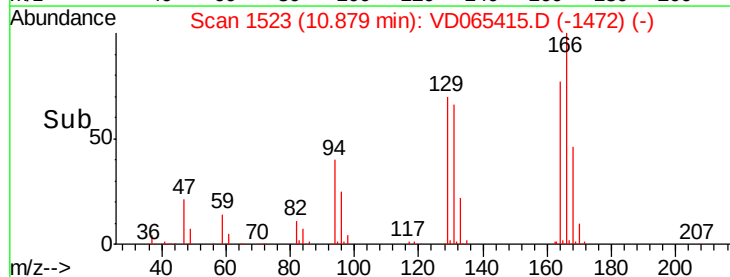
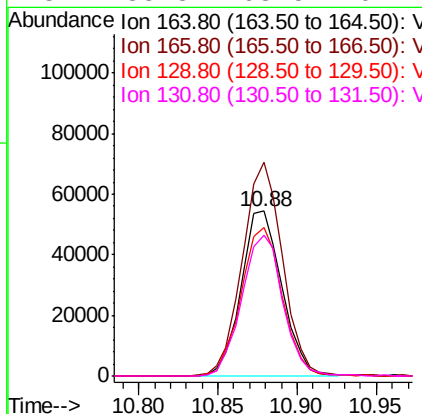
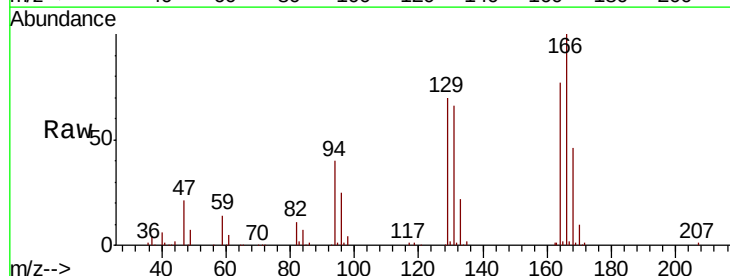
Instrument :
MSVOA_D
ClientSampled :

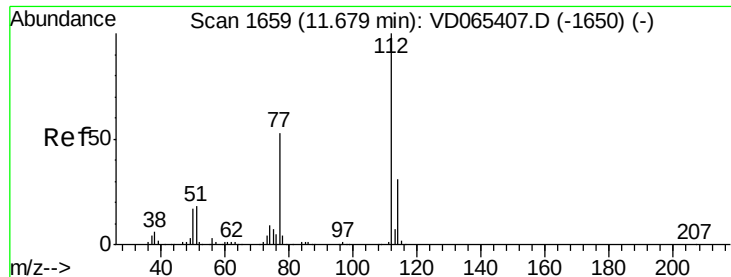
Tot Ion:117 Resp: 664302
Ion Ratio Lower Upper
117 100
82 54.1 40.6 60.8
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.373 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion:164 Resp: 96978
Ion Ratio Lower Upper
164 100
166 129.4 100.5 150.7
129 90.3 71.5 107.3
131 85.3 68.5 102.7

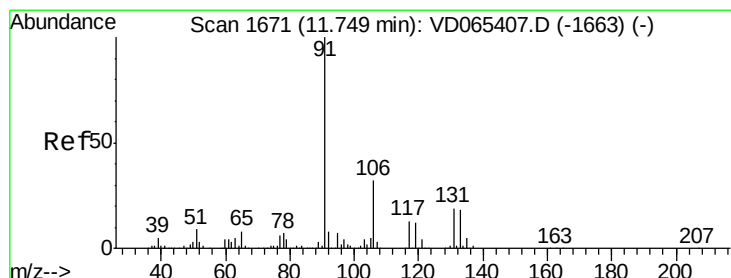
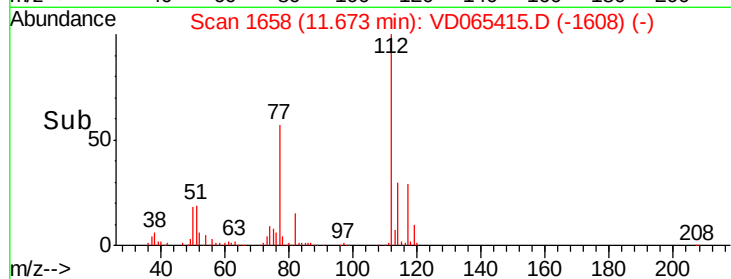
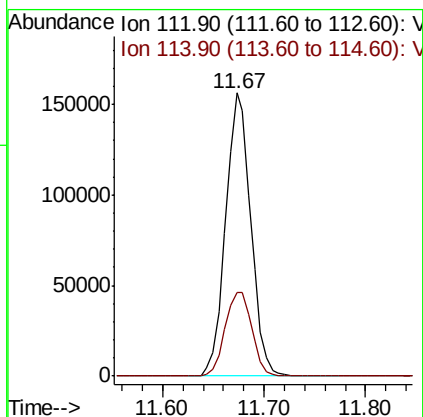
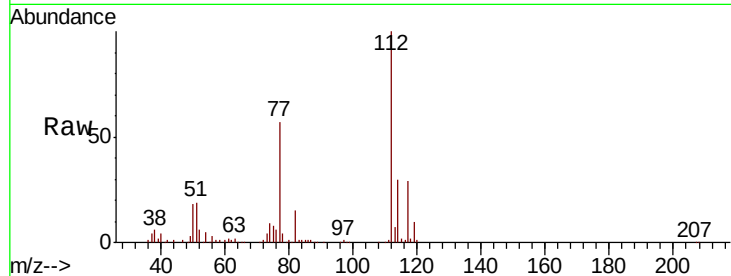




#65
Chlorobenzene
Concen: 20.405 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

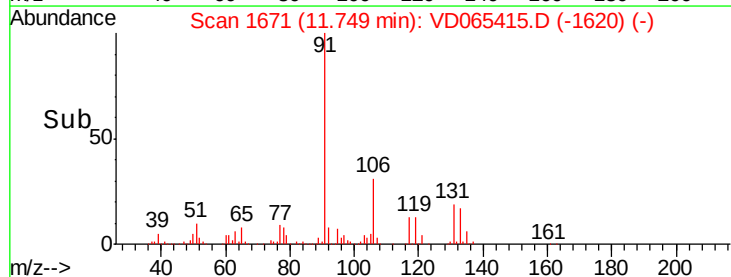
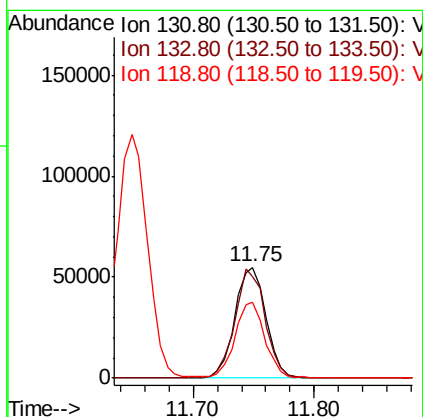
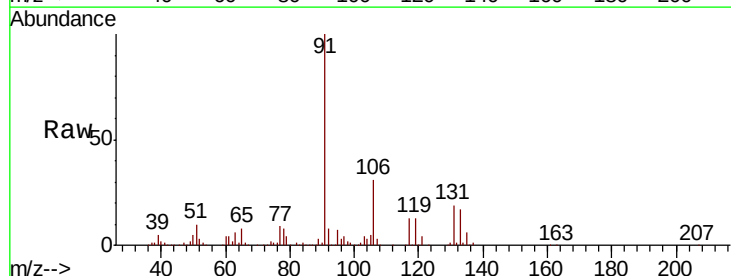
Instrument :
MSVOA_D
ClientSampleId :

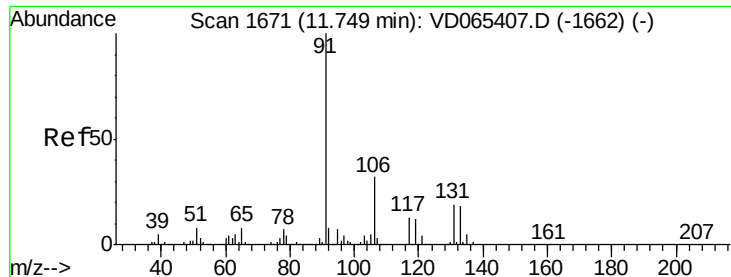
Tot Ion:112 Resp: 268239
Ion Ratio Lower Upper
112 100
114 29.7 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.647 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion:131 Resp: 98850
Ion Ratio Lower Upper
131 100
133 95.6 49.2 147.6
119 65.7 33.3 99.8





#67

Ethyl Benzene

Concen: 20.469 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

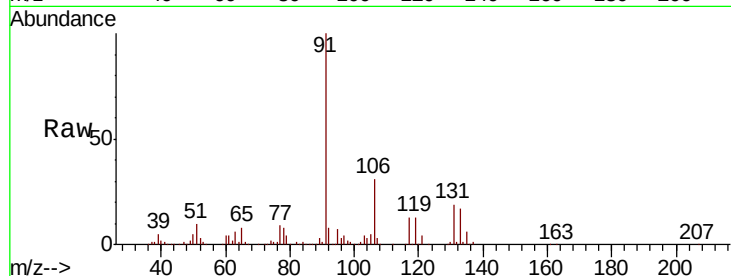
ClientSampleId :

Tot Ion: 91 Resp: 464935

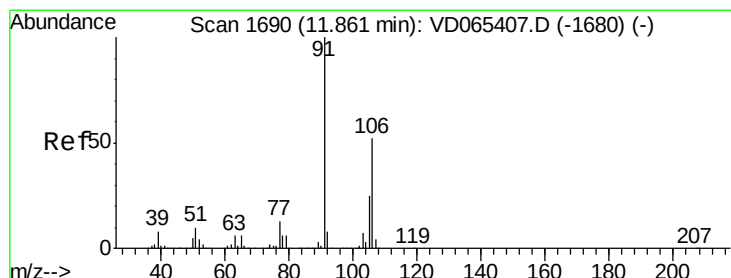
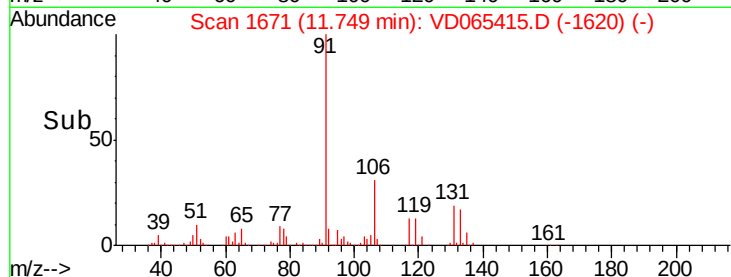
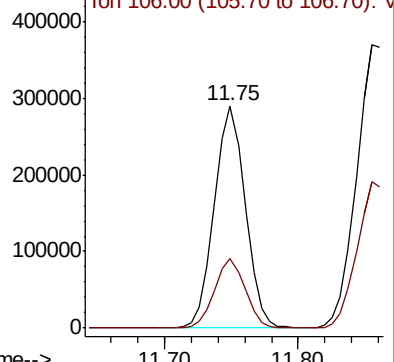
Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.595 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065415.D

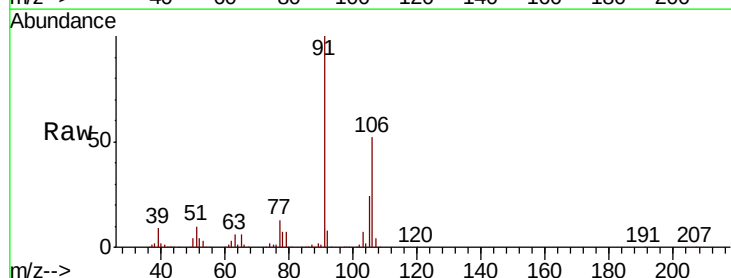
Acq: 04 Mar 2020 17:18

Tgt Ion: 106 Resp: 364306

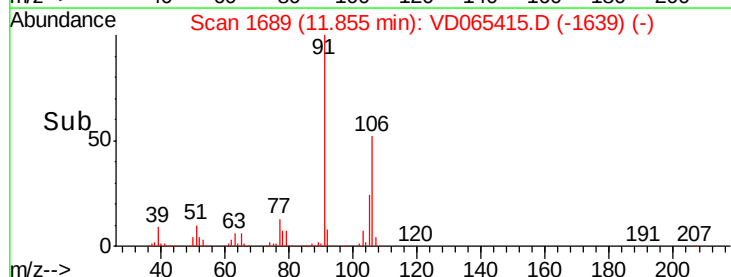
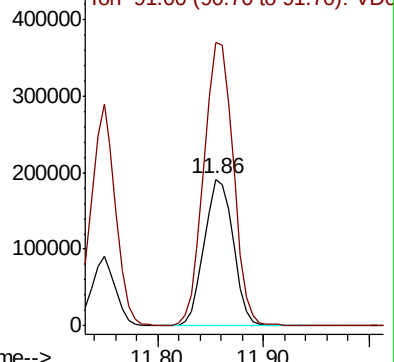
Ion Ratio Lower Upper

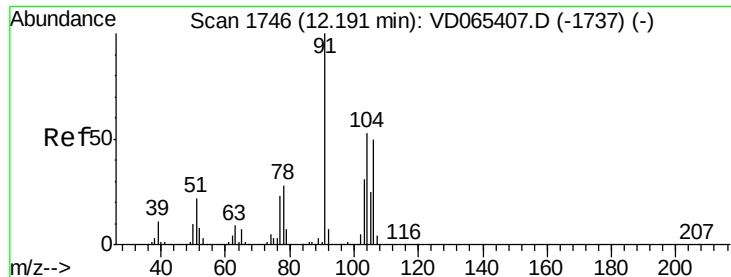
106 100

91 196.5 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

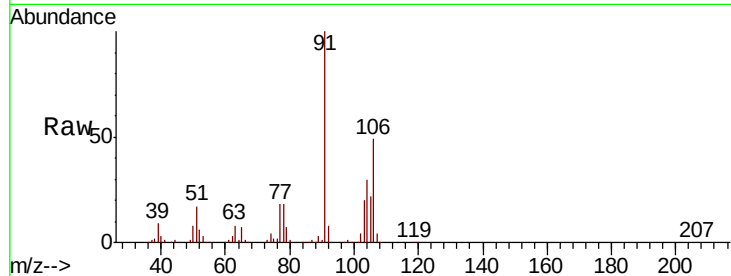




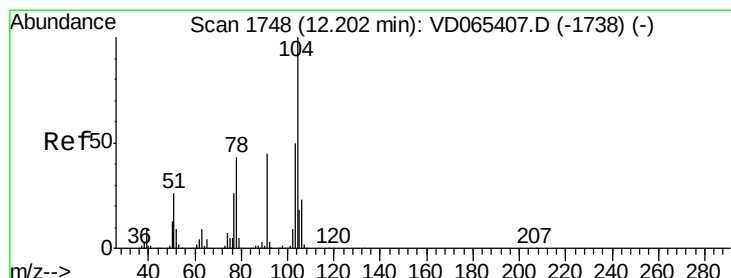
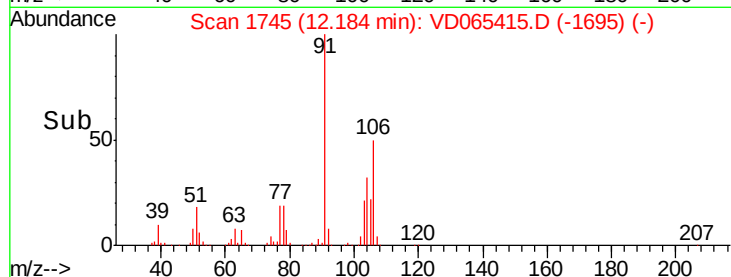
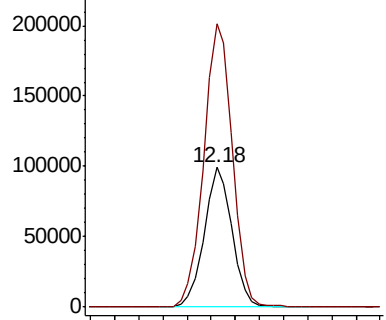
#69
o-Xylene
Concen: 20.647 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 159068
Ion Ratio Lower Upper
106 100
91 208.5 103.5 310.3

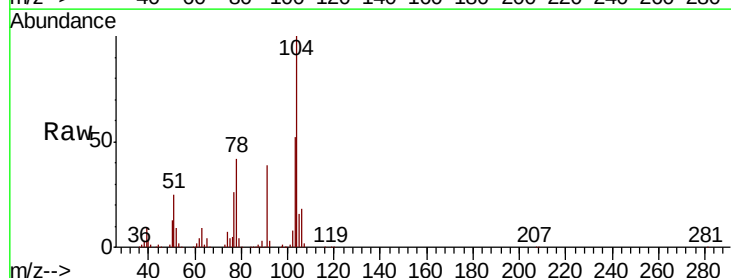


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

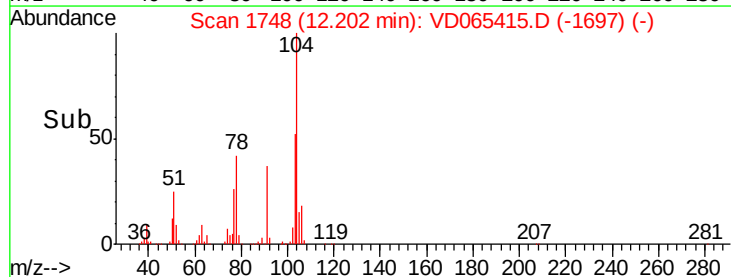
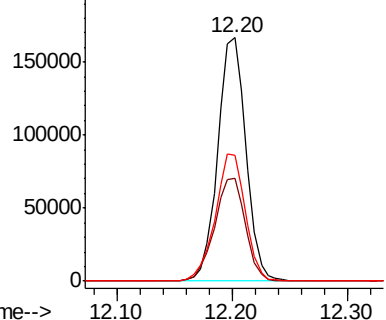


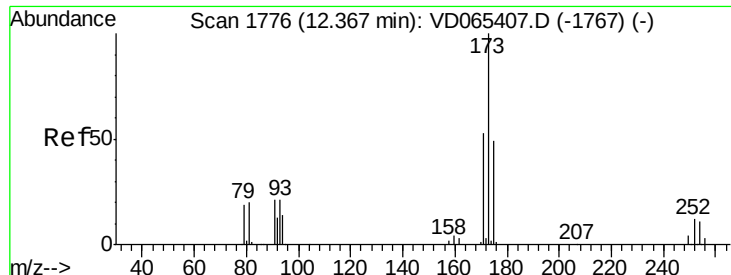
#70
Styrene
Concen: 20.979 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion:104 Resp: 284448
Ion Ratio Lower Upper
104 100
78 46.1 37.7 56.5
103 55.5 43.6 65.4



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





#71

Bromoform

Concen: 20.553 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

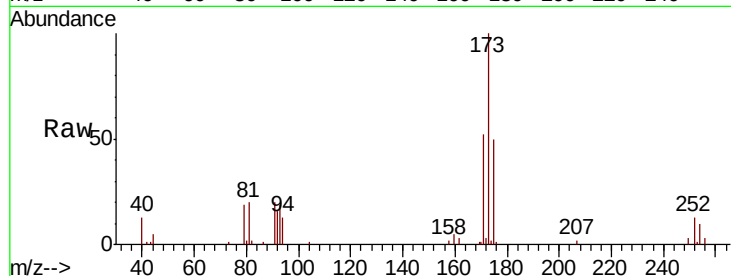
Tot Ion:173 Resp: 55273

Ion Ratio Lower Upper

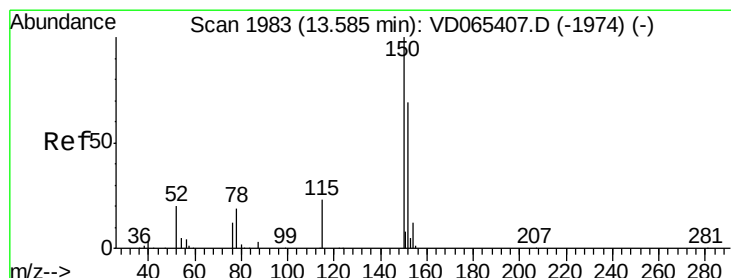
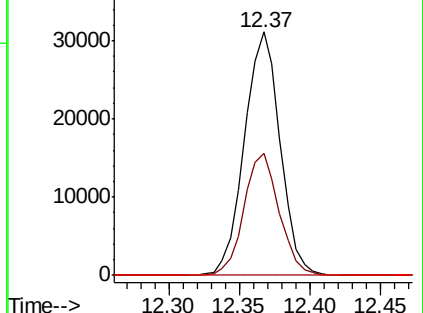
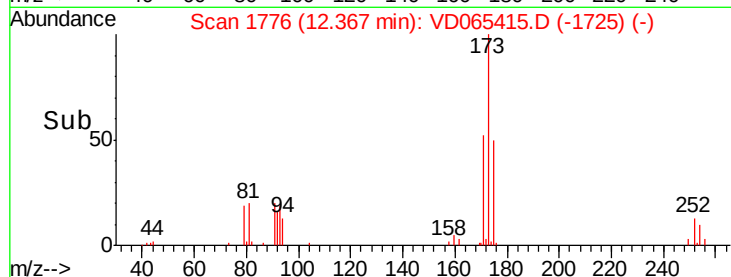
173 100

175 49.3 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

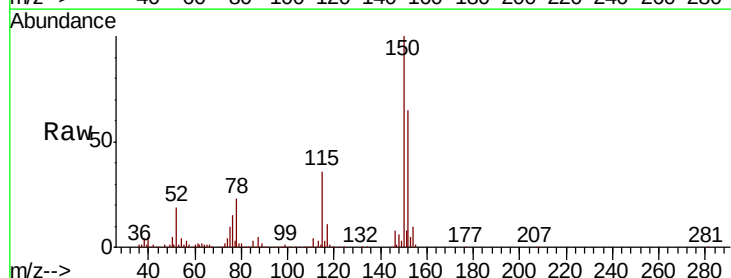
Tgt Ion:152 Resp: 333831

Ion Ratio Lower Upper

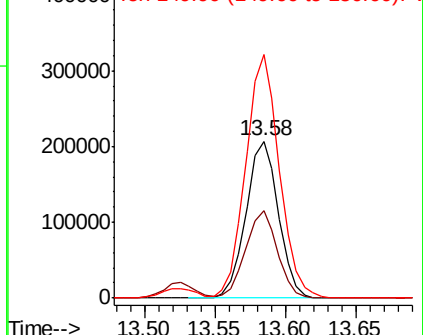
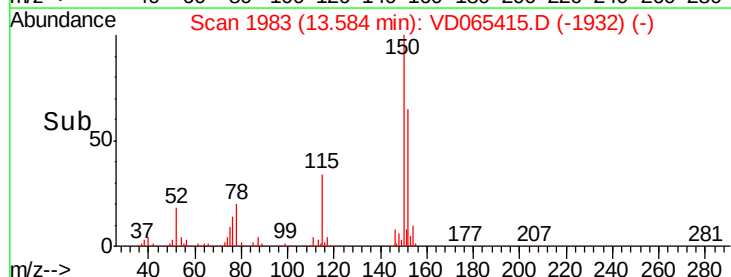
152 100

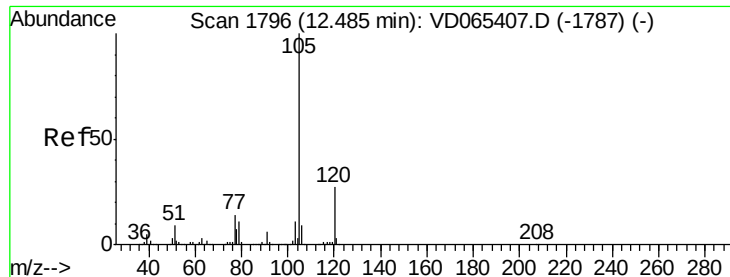
115 54.8 27.6 82.8

150 161.2 0.0 345.0



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: 19.738 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

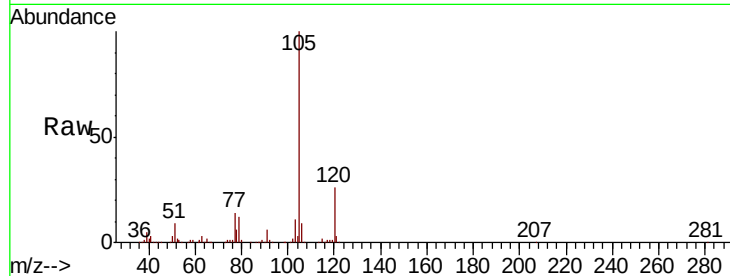
ClientSampleId :

Tot Ion:105 Resp: 433407

Ion Ratio Lower Upper

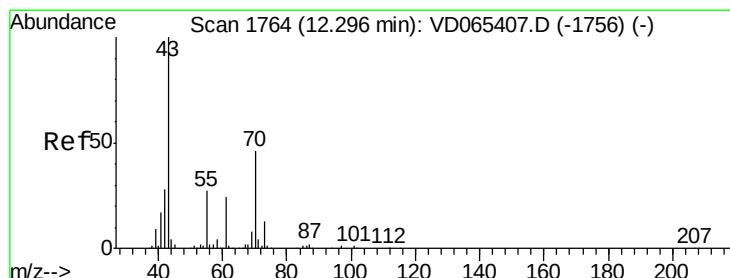
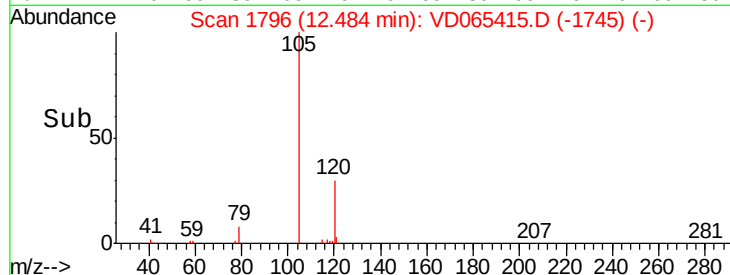
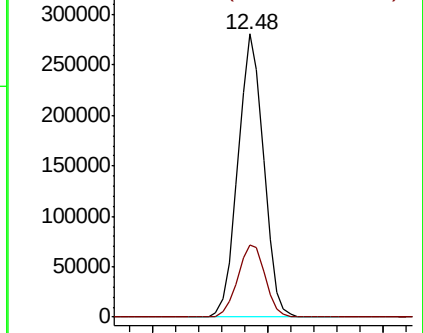
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.577 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Tgt Ion: 43 Resp: 88004

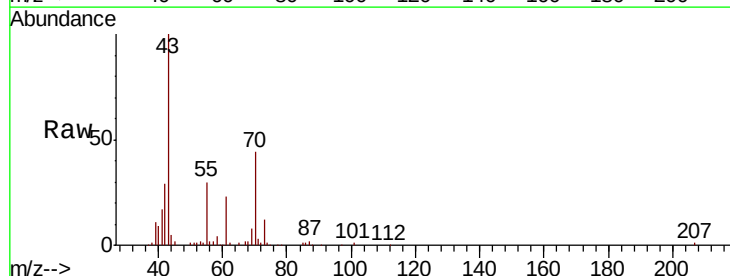
Ion Ratio Lower Upper

43 100

70 44.6 36.1 54.1

55 29.8 21.6 32.4

61 24.4 19.6 29.4

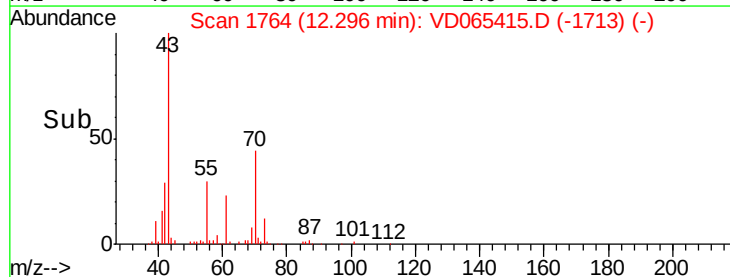
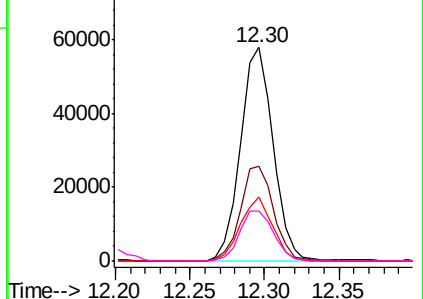


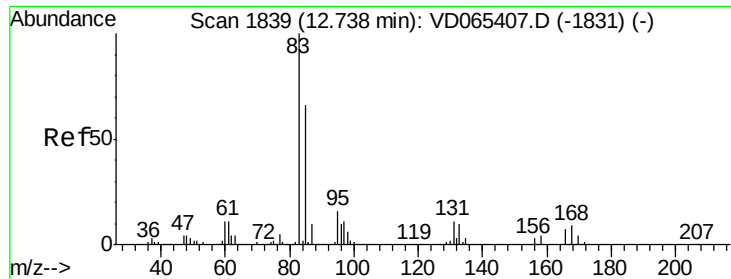
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.784 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

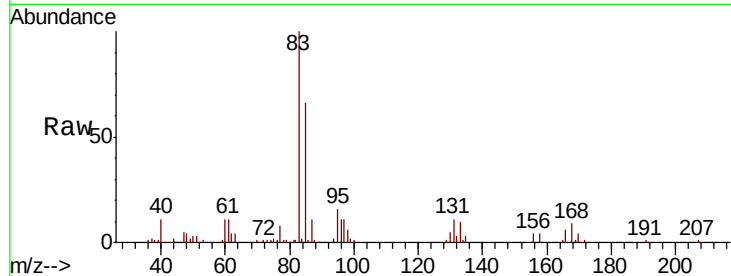
Tot Ion: 83 Resp: 76360

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

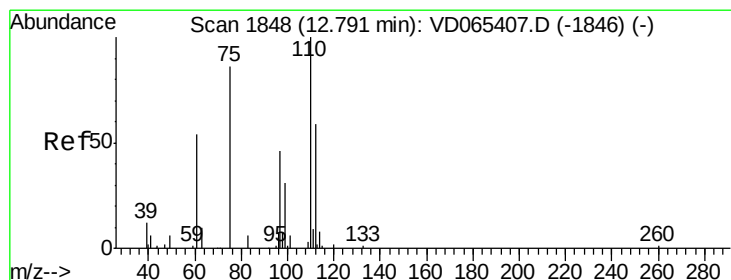
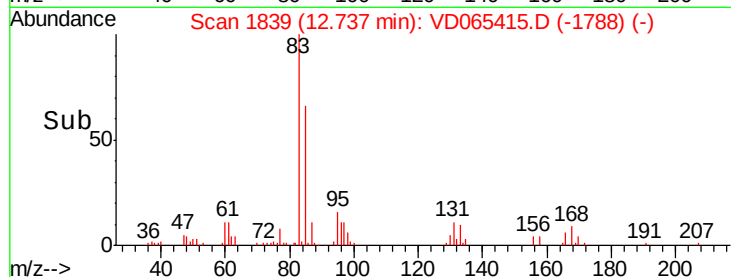
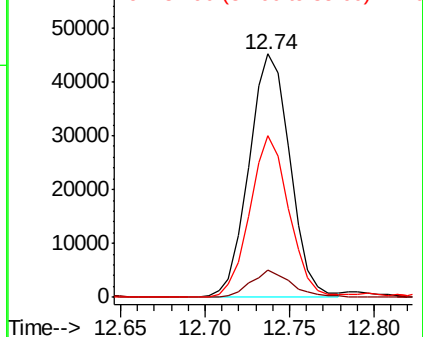
85 63.4 33.0 98.9



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: 37.404 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065415.D

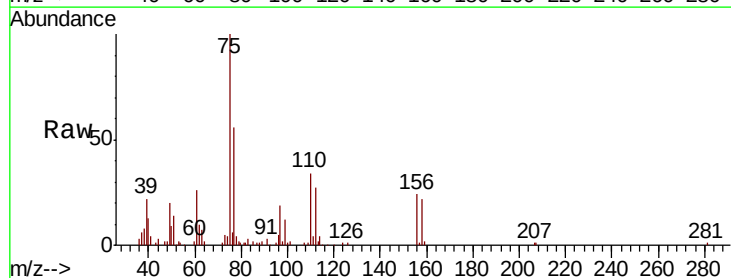
Acq: 04 Mar 2020 17:18

Tgt Ion: 75 Resp: 98529

Ion Ratio Lower Upper

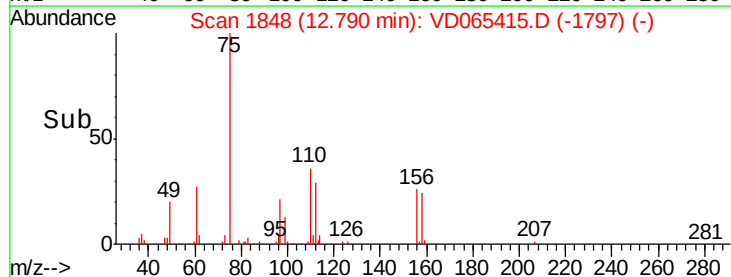
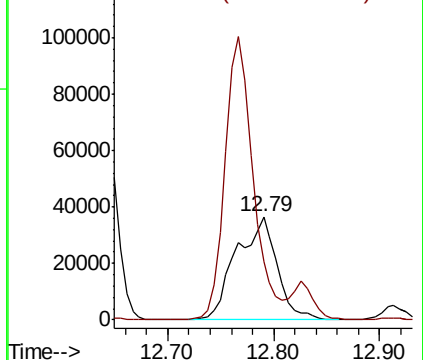
75 100

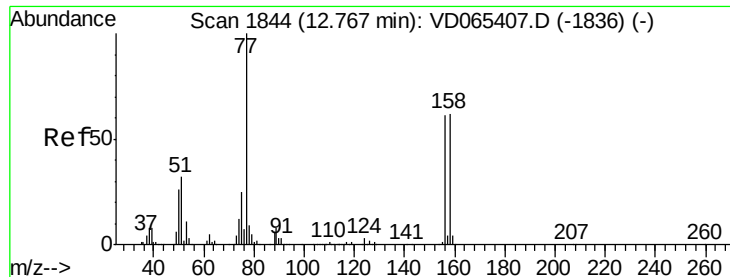
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.170 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampled :

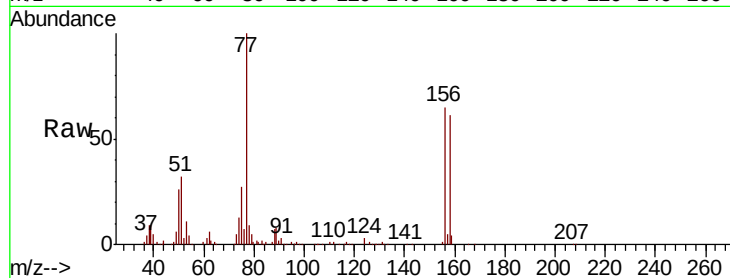
Tot Ion:156 Resp: 110033

Ion Ratio Lower Upper

156 100

77 168.1 84.9 254.6

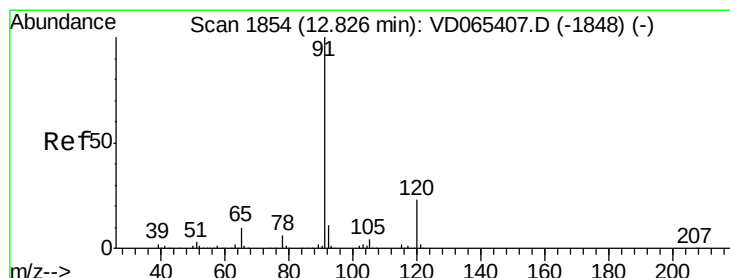
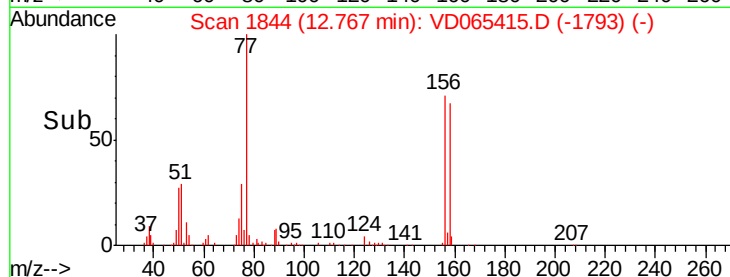
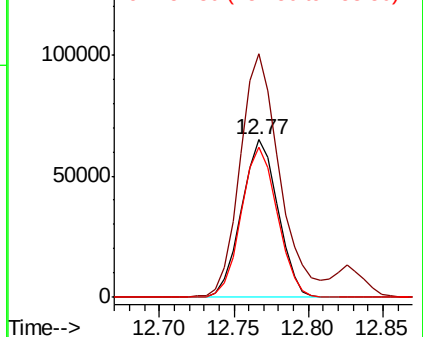
158 94.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.333 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065415.D

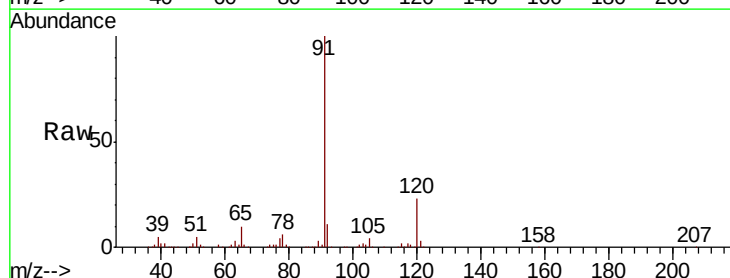
Acq: 04 Mar 2020 17:18

Tgt Ion: 91 Resp: 529738

Ion Ratio Lower Upper

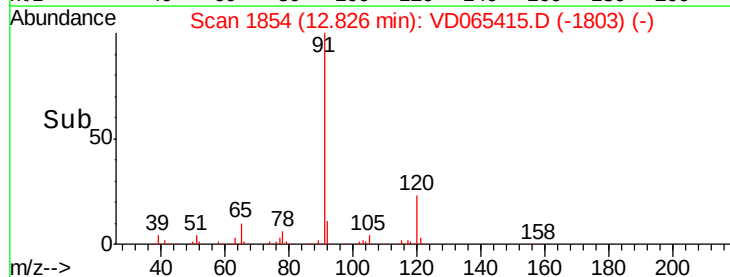
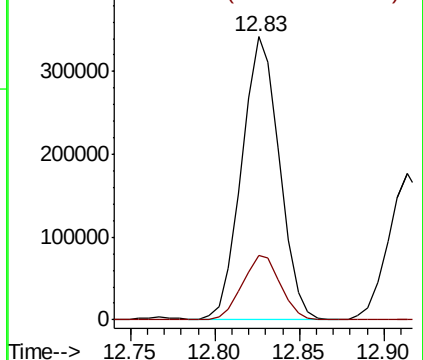
91 100

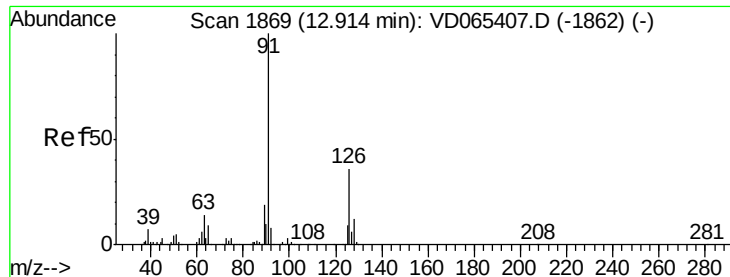
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

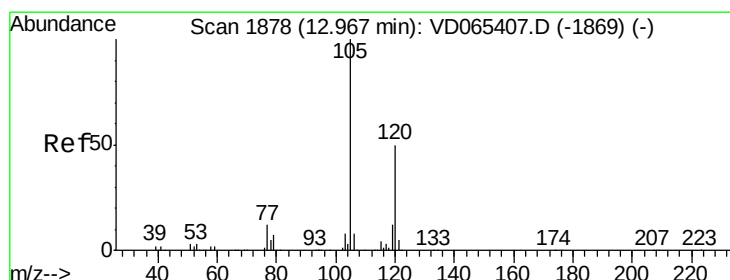
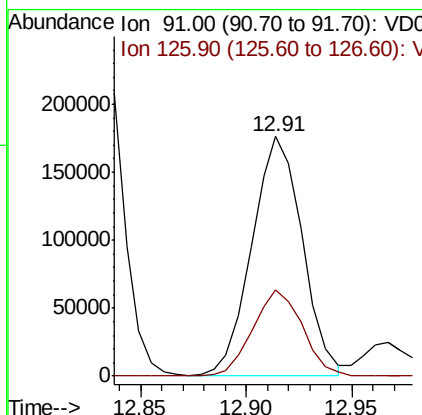
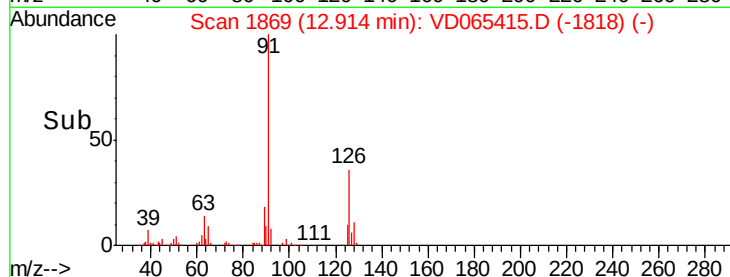
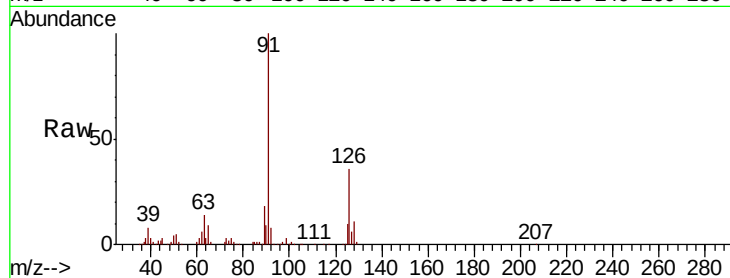




#79
2-Chlorotoluene
Concen: 19.853 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

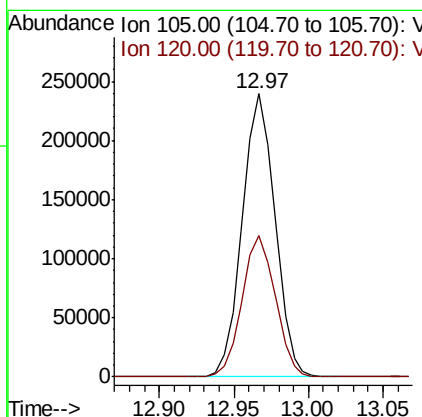
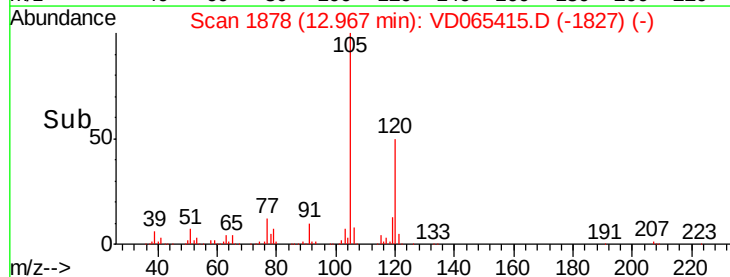
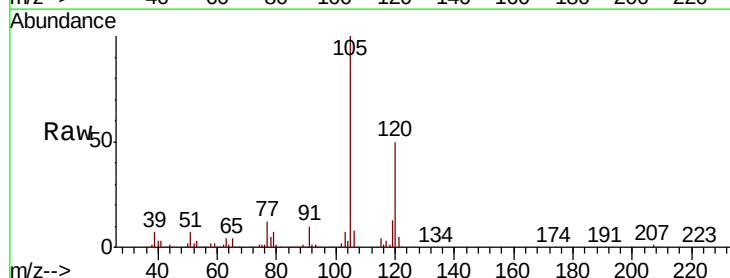
Instrument :
MSVOA_D
ClientSampleId :

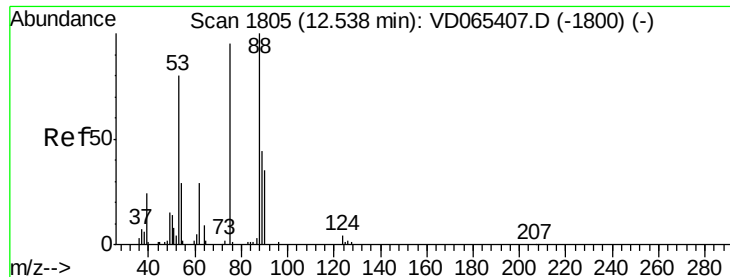
Tot Ion: 91 Resp: 291499
Ion Ratio Lower Upper
91 100
126 35.5 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 20.197 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion:105 Resp: 364590
Ion Ratio Lower Upper
105 100
120 50.8 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.569 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

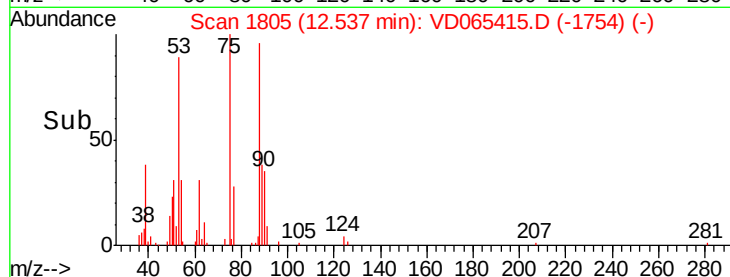
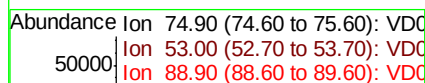
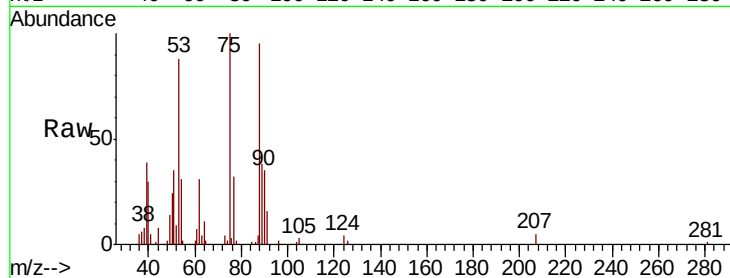
Instrument :

MSVOA_D

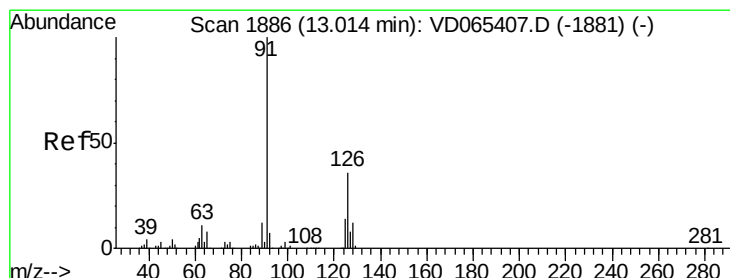
ClientSampled :

Tot Ion: 75 Resp: 24427

Ion	Ratio	Lower	Upper
75	100		
53	90.3	71.3	106.9
89	44.6	37.0	55.6



Time-->



#82

4-Chlorotoluene

Concen: 20.054 ug/l

RT: 13.01 min Scan# 1886

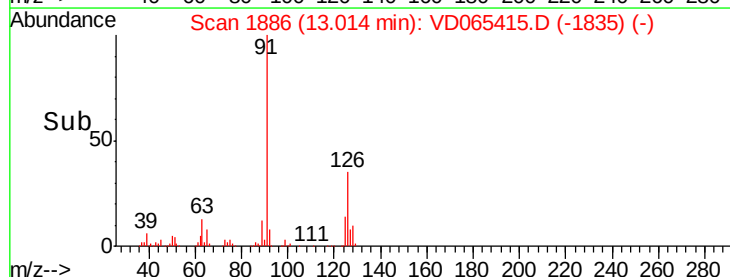
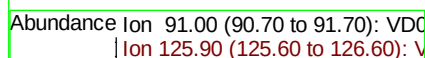
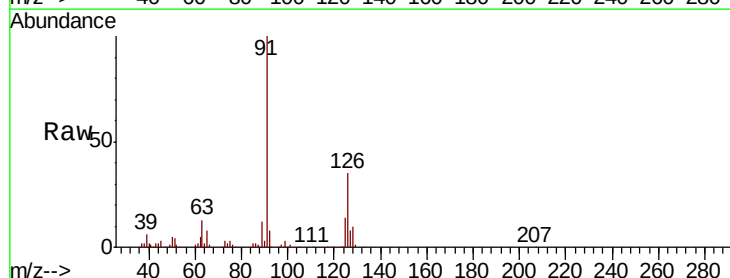
Delta R.T. -0.00 min

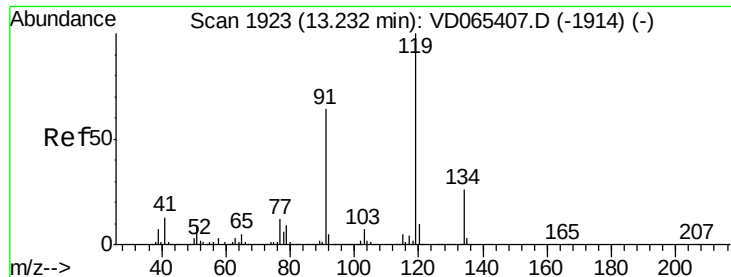
Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Tgt Ion: 91 Resp: 309423

Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.8

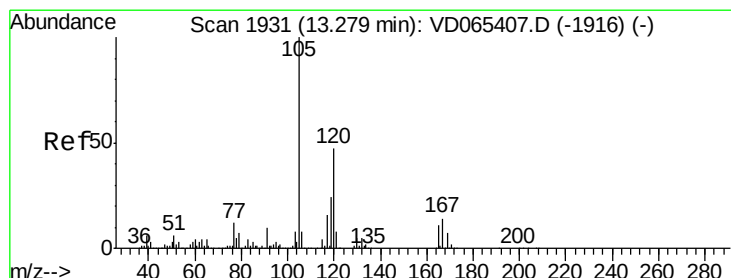
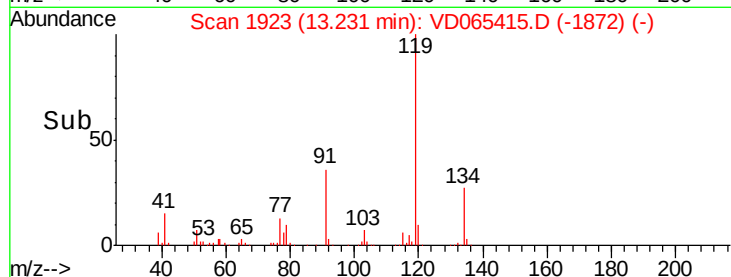
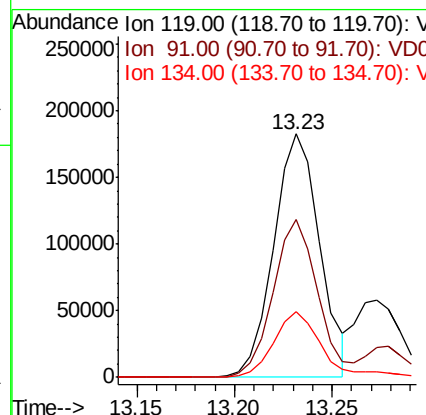
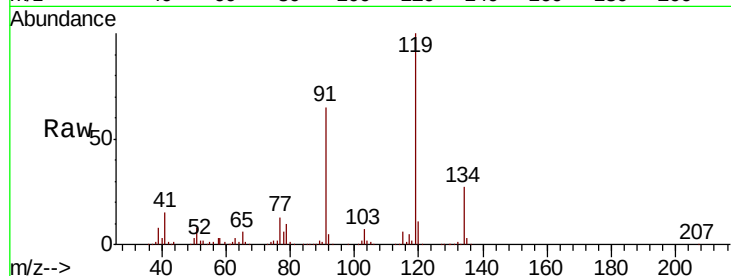




#83
tert-Butylbenzene
Concen: 19.503 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

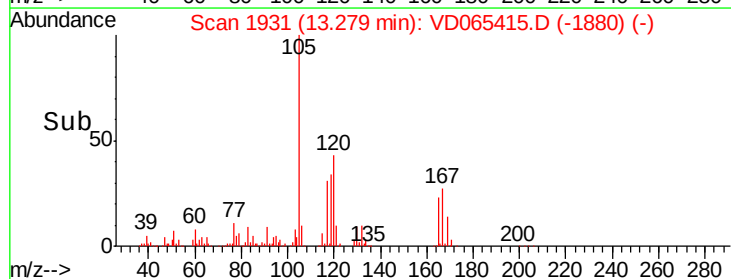
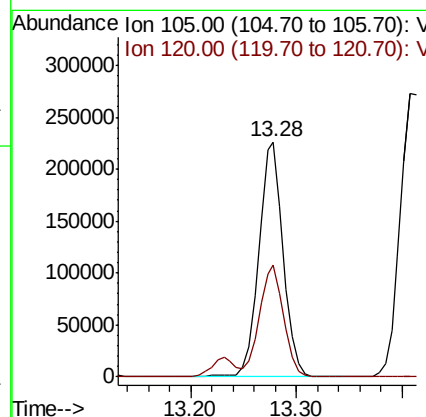
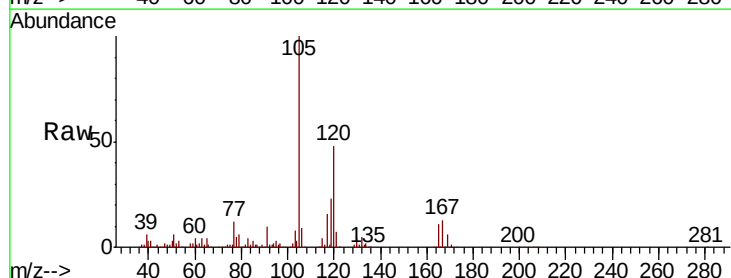
Instrument :
MSVOA_D
ClientSampled :

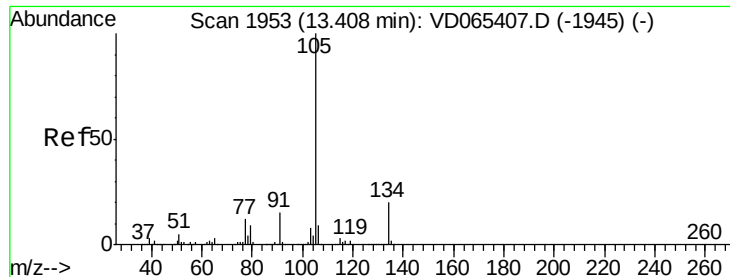
Tot Ion:119 Resp: 297851
Ion Ratio Lower Upper
119 100
91 63.3 31.6 95.0
134 28.3 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 20.378 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion:105 Resp: 362605
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.066 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

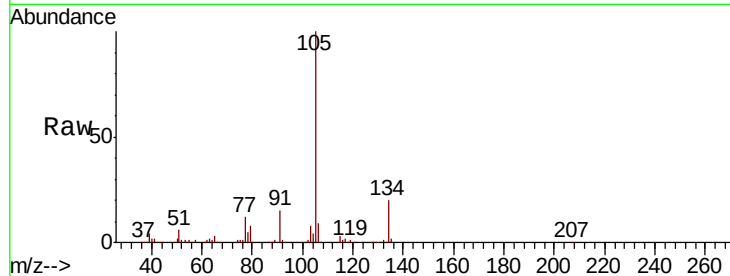
ClientSampled :

Tot Ion:105 Resp: 437423

Ion Ratio Lower Upper

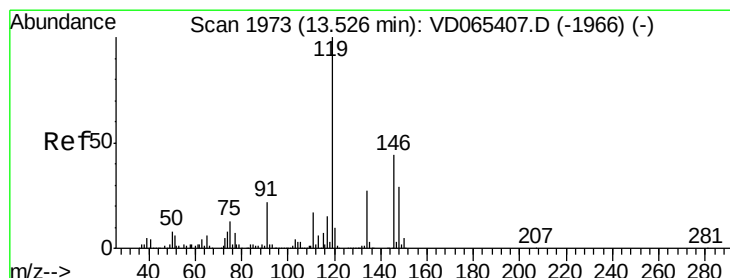
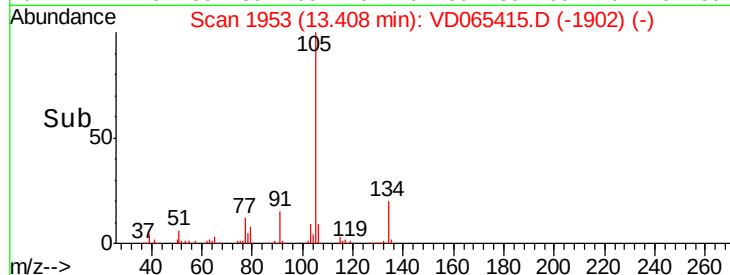
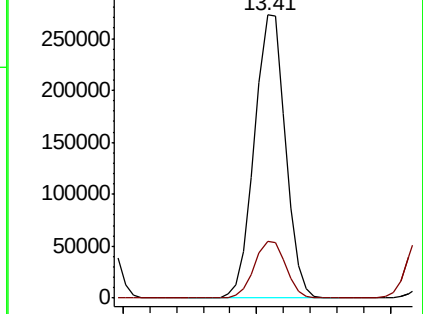
105 100

134 20.5 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.174 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

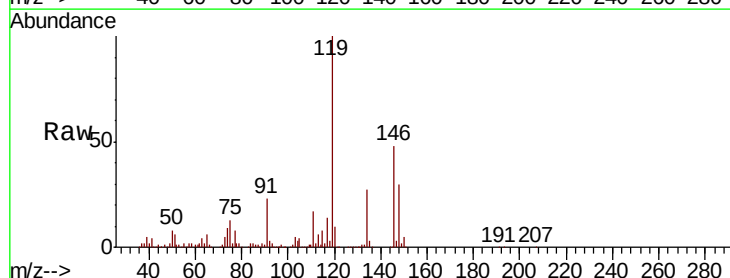
Tgt Ion:119 Resp: 401297

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

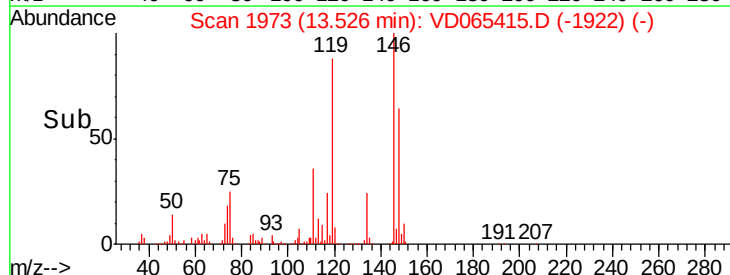
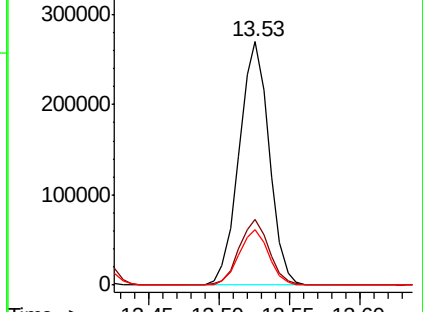
91 22.6 10.9 32.6

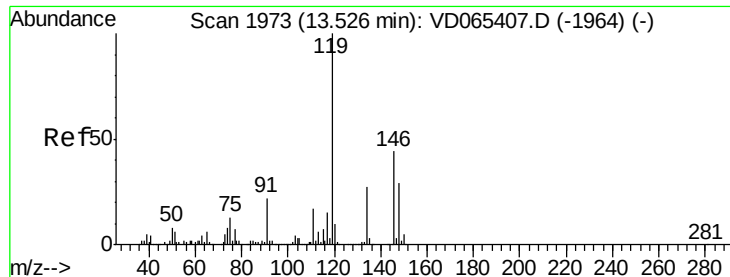


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

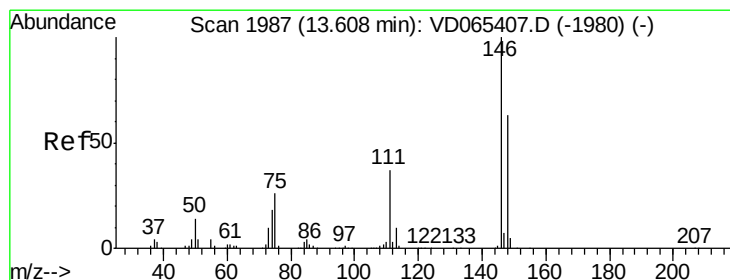
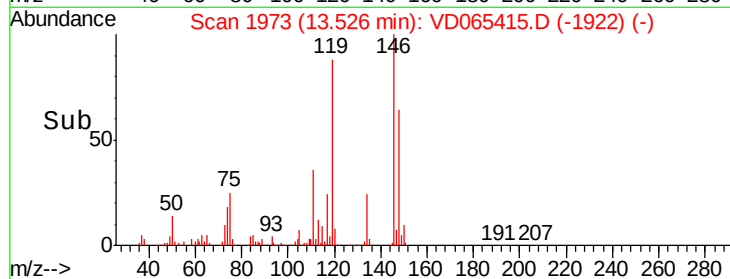
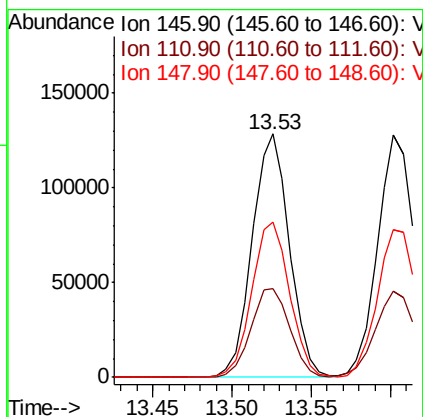
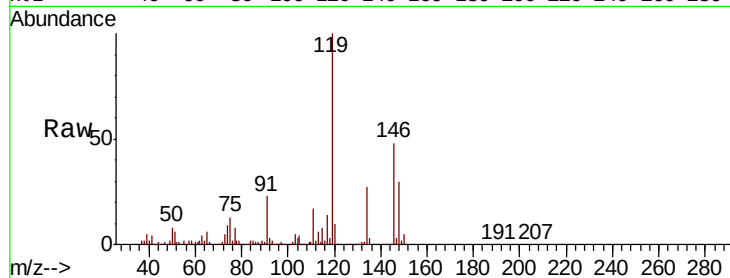




#87
 1,3-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

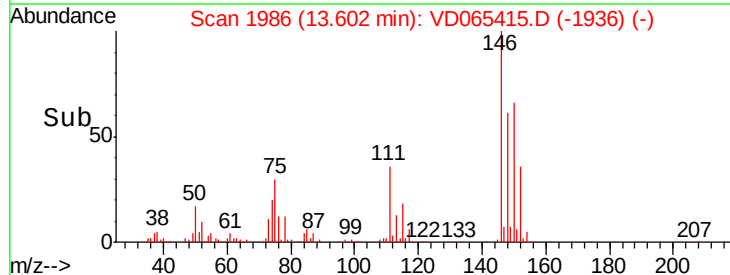
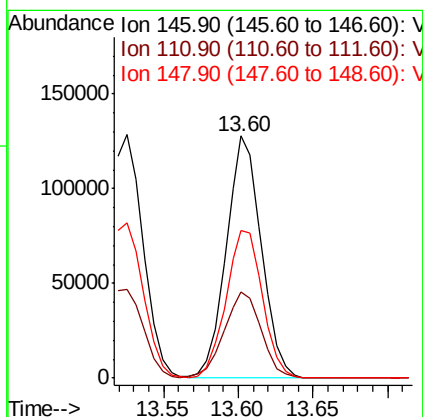
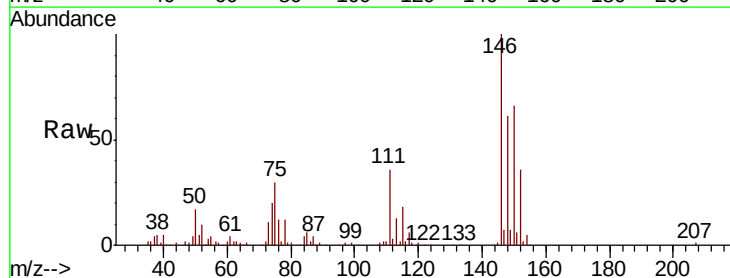
Instrument :
 MSVOA_D
 ClientSampleId :

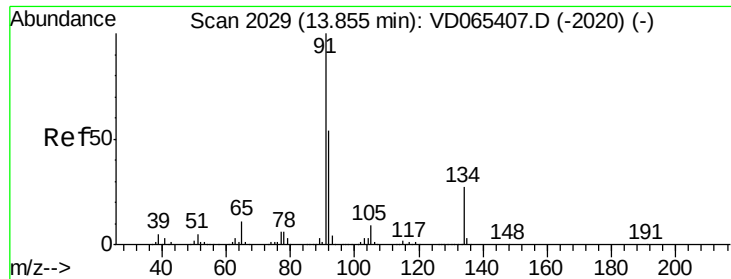
Tot Ion:146 Resp: 209829
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 64.7 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion:146 Resp: 209161
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.5 55.5
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 19.886 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065415.D

Acq: 04 Mar 2020 17:18

Instrument :

MSVOA_D

ClientSampleId :

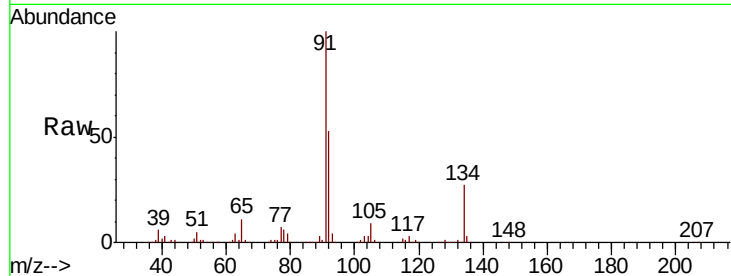
Tot Ion: 91 Resp: 365695

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.4

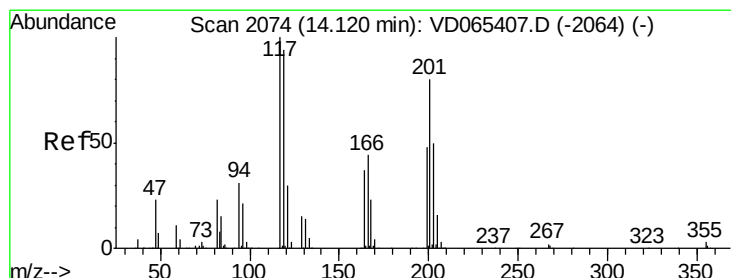
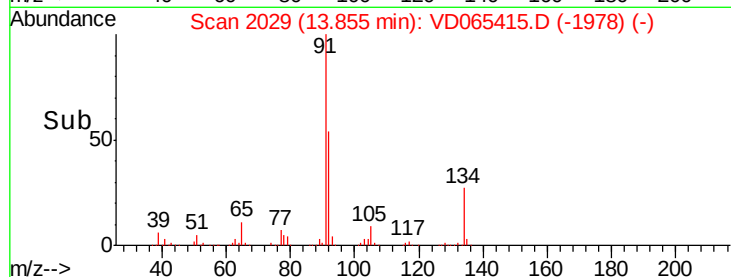
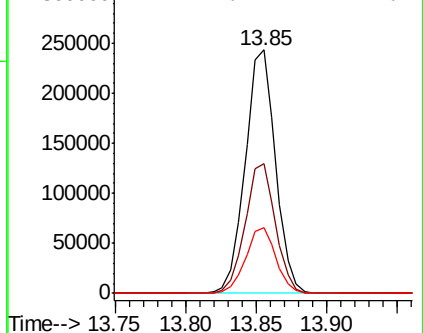
134 27.1 13.4 40.2



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: 20.067 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065415.D

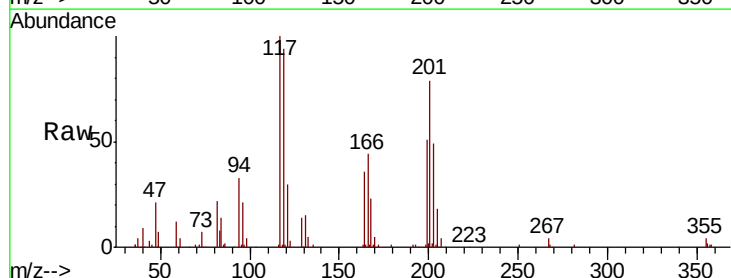
Acq: 04 Mar 2020 17:18

Tgt Ion: 117 Resp: 82204

Ion Ratio Lower Upper

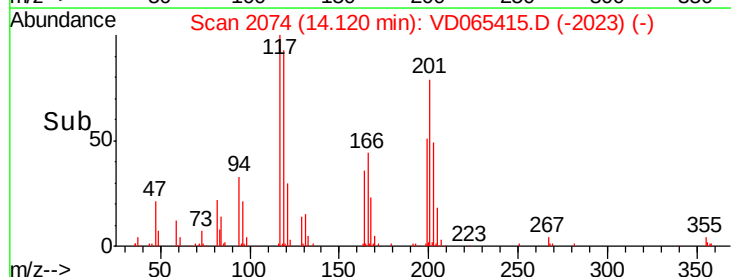
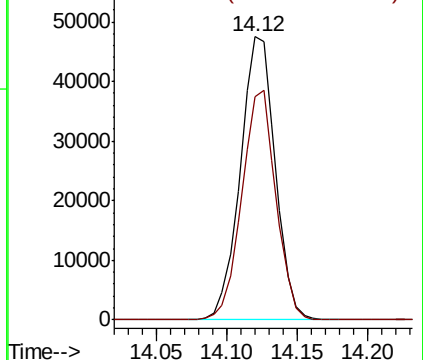
117 100

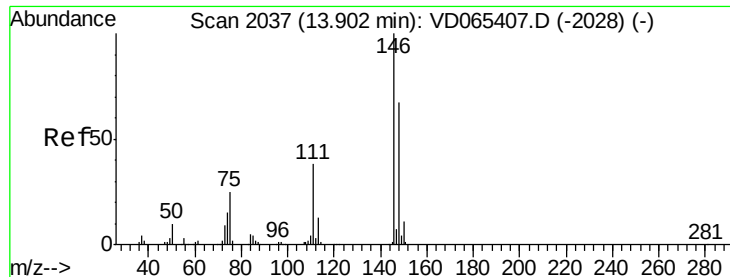
201 79.1 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

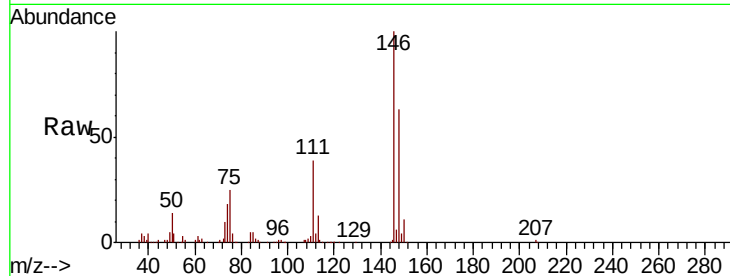




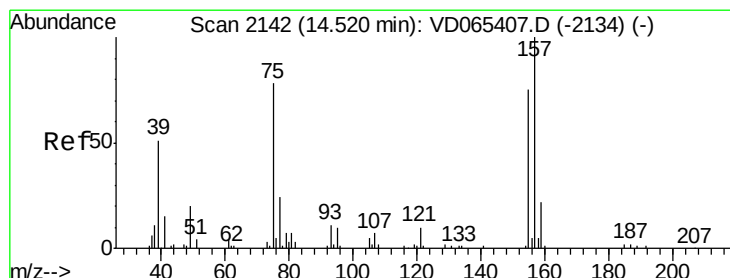
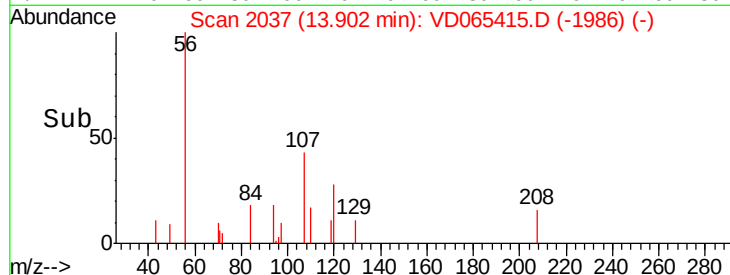
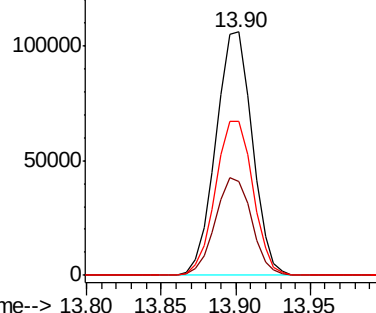
#91
 1,2-Dichlorobenzene
 Concen: 20.098 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	65.1	32.6	97.8

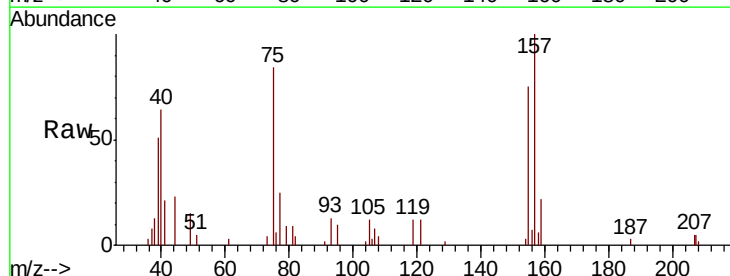


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

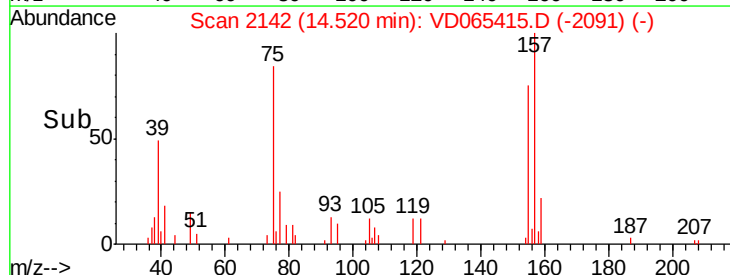
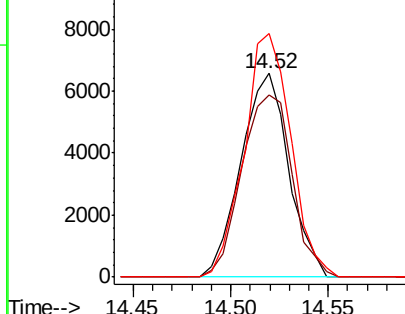


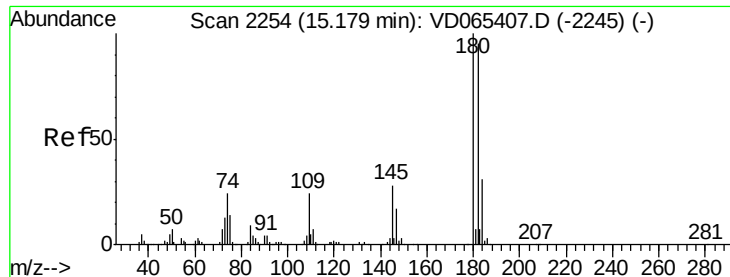
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.965 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	46.4	139.1
157	117.1	60.2	180.4



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

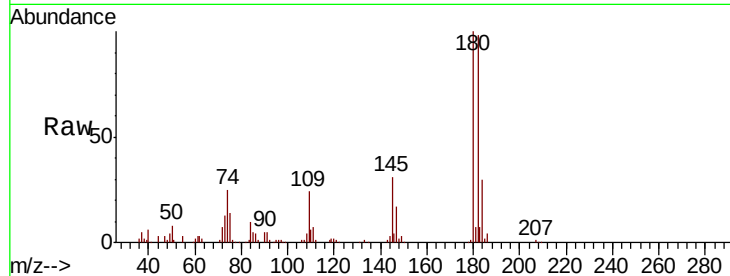




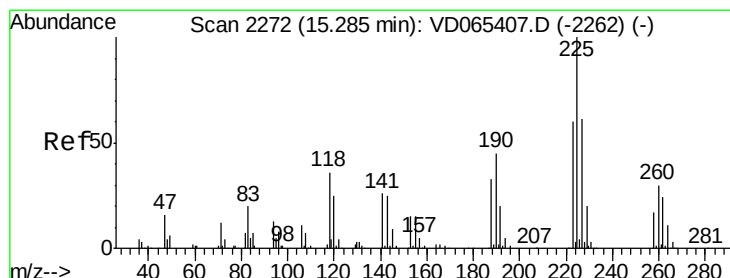
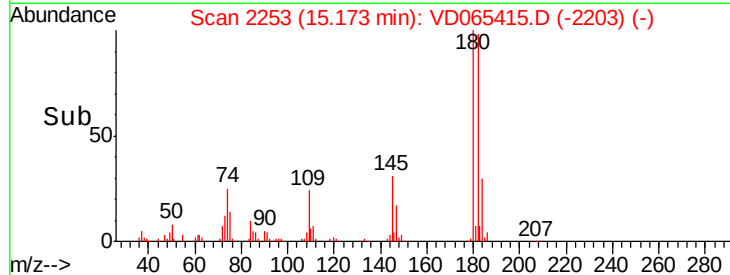
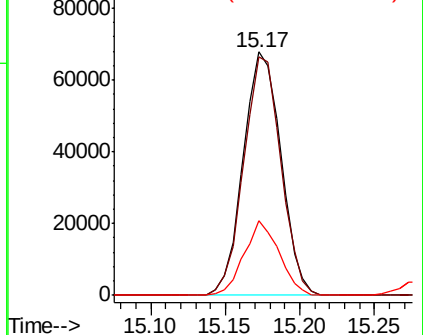
#93
 1,2,4-Trichlorobenzene
 Concen: 19.632 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.3	144.9
145	28.5	14.4	43.4

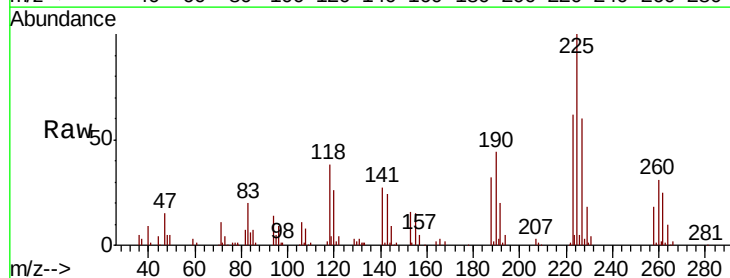


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

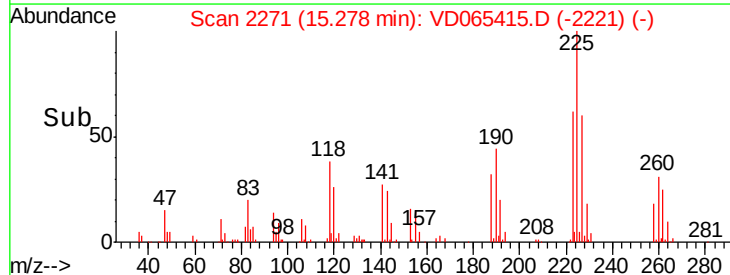
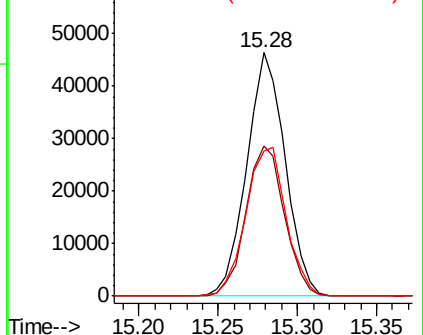


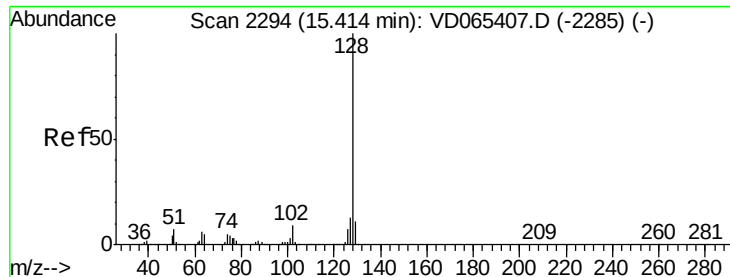
#94
 Hexachlorobutadiene
 Concen: 19.722 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065415.D
 Acq: 04 Mar 2020 17:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	64.1	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

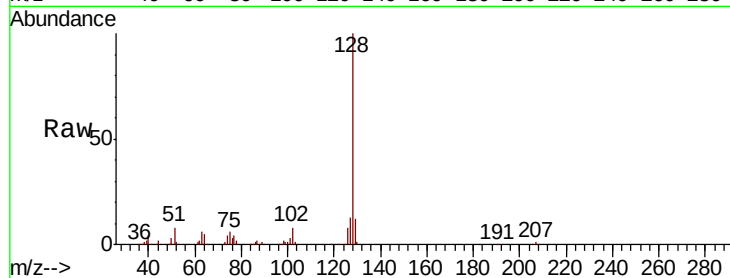




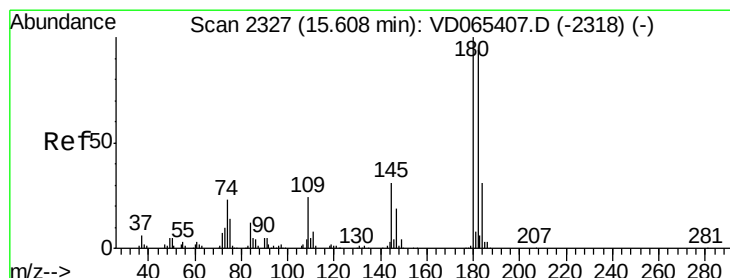
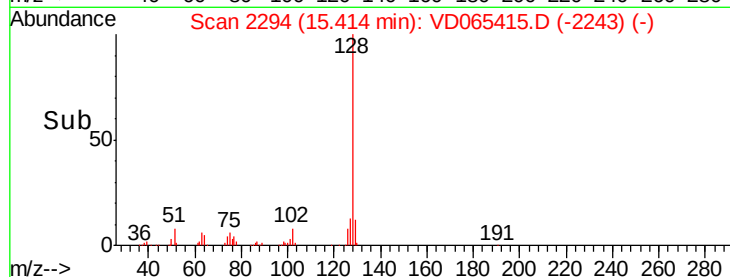
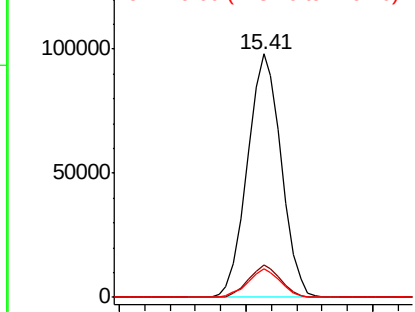
#95
Naphthalene
Concen: 19.793 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.3	8.7	13.1

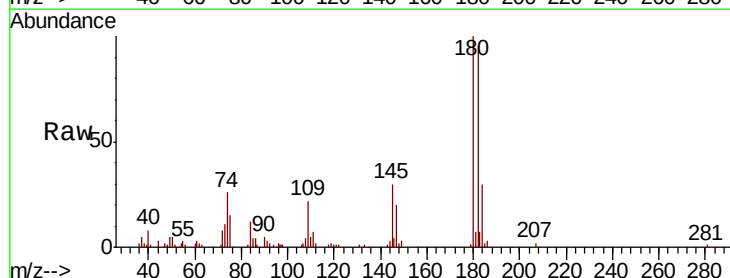


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.034 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065415.D
Acq: 04 Mar 2020 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.6
145	30.1	15.0	45.1



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

