

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064616.D
 Acq On : 27 Dec 2019 00:37
 Operator : VA/SY
 Sample : VD1226SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:02:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	571346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	517716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	192387	58.76	ug/l	0.00
Spiked Amount			Recovery	=	117.52%	
35) Dibromofluoromethane	7.92	113	196572	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
50) Toluene-d8	10.34	98	738434	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
62) 4-Bromofluorobenzene	12.64	95	233343	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	57496	19.925	ug/l	97
3) Chloromethane	2.21	50	86578	21.453	ug/l	97
4) Vinyl Chloride	2.35	62	99689	20.260	ug/l	97
5) Bromomethane	2.76	94	79924	22.339	ug/l	98
6) Chloroethane	2.92	64	71946	21.821	ug/l	100
7) Trichlorofluoromethane	3.27	101	168088	20.288	ug/l	94
8) Diethyl Ether	3.70	74	37748	22.944	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69290	20.194	ug/l	99
10) Methyl Iodide	4.29	142	78612	21.329	ug/l	99
11) Tert butyl alcohol	5.25	59	21113	112.518	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	67072	20.532	ug/l	97
13) Acrolein	3.92	56	27117	103.695	ug/l	97
14) Allyl chloride	4.70	41	109514	21.502	ug/l	100
15) Acrylonitrile	5.43	53	77748	113.451	ug/l	99
16) Acetone	4.17	43	64448	89.389	ug/l	89
17) Carbon Disulfide	4.40	76	216667	20.512	ug/l	100
18) Methyl Acetate	4.73	43	43941	23.838	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	161640	22.277	ug/l	96
20) Methylene Chloride	4.96	84	86531	23.224	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	80571	21.657	ug/l	96
22) Diisopropyl ether	6.37	45	227787	22.423	ug/l	99
23) Vinyl Acetate	6.31	43	608919	105.666	ug/l	98
24) 1,1-Dichloroethane	6.27	63	136702	22.415	ug/l	98
25) 2-Butanone	7.22	43	95594	106.218	ug/l	97
26) 2,2-Dichloropropane	7.21	77	109669	19.341	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91157	22.704	ug/l	97
28) Bromochloromethane	7.55	49	47716	20.127	ug/l	98
29) Tetrahydrofuran	7.57	42	61642	110.139	ug/l	98
30) Chloroform	7.71	83	144911	22.648	ug/l	95
31) Cyclohexane	7.99	56	117509	19.249	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	126373	21.027	ug/l	98
36) 1,1-Dichloropropene	8.11	75	108972	19.816	ug/l	100
37) Ethyl Acetate	7.30	43	45816	21.208	ug/l	99
38) Carbon Tetrachloride	8.10	117	114608	19.545	ug/l	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	123753	18.580	ug/l	97
40) Benzene	8.35	78	307303	20.470	ug/l	100
41) Methacrylonitrile	7.53	41	25109	20.032	ug/l	91
42) 1,2-Dichloroethane	8.43	62	89818	20.704	ug/l	99
43) Isopropyl Acetate	8.46	43	88261	20.526	ug/l	100
44) Trichloroethene	9.11	130	89489	20.292	ug/l	98
45) 1,2-Dichloropropane	9.39	63	76326	21.294	ug/l	99
46) Dibromomethane	9.47	93	43095	21.565	ug/l	98
47) Bromodichloromethane	9.66	83	113570	21.357	ug/l #	99
48) Methyl methacrylate	9.46	41	39791	19.653	ug/l	87
49) 1,4-Dioxane	9.46	88	10090	437.879	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	216780	101.994	ug/l	99
52) Toluene	10.40	92	197439	20.046	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	99086	19.986	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	119586	20.456	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	56990	21.161	ug/l	95
56) Ethyl methacrylate	10.66	69	70035	20.822	ug/l	99
57) 1,3-Dichloropropane	10.95	76	97820	21.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141410	110.352	ug/l	100
59) 2-Hexanone	10.98	43	142647	98.885	ug/l	99
60) Dibromochloromethane	11.14	129	76625	20.574	ug/l	99
61) 1,2-Dibromoethane	11.25	107	55875	21.035	ug/l	97
64) Tetrachloroethene	10.87	164	76234	19.194	ug/l	96
65) Chlorobenzene	11.67	112	217198	20.214	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	80745	19.933	ug/l	99
67) Ethyl Benzene	11.75	91	376788	19.319	ug/l	99
68) m/p-Xylenes	11.86	106	286054	38.000	ug/l	98
69) o-Xylene	12.18	106	133291	19.603	ug/l	99
70) Styrene	12.20	104	236699	19.832	ug/l	98
71) Bromoform	12.36	173	46246	20.020	ug/l #	99
73) Isopropylbenzene	12.48	105	351321	19.854	ug/l	99
74) N-amyl acetate	12.29	43	75349	19.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	58596	21.080	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	77084	39.423	ug/l #	100
77) Bromobenzene	12.77	156	91658	21.081	ug/l	97
78) n-propylbenzene	12.83	91	411337	19.926	ug/l	100
79) 2-Chlorotoluene	12.91	91	230664	20.340	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	290150	19.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18387	19.667	ug/l	99
82) 4-Chlorotoluene	13.01	91	245140	20.313	ug/l	100
83) tert-Butylbenzene	13.23	119	255350	20.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	294874	20.369	ug/l	99
85) sec-Butylbenzene	13.41	105	335416	19.386	ug/l	99
86) p-Isopropyltoluene	13.52	119	319547	19.315	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	165861	20.011	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	169451	20.811	ug/l	99
89) n-Butylbenzene	13.85	91	284026	19.064	ug/l	100
90) Hexachloroethane	14.12	117	63706	20.159	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	147030	20.803	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9649	21.413	ug/l	91

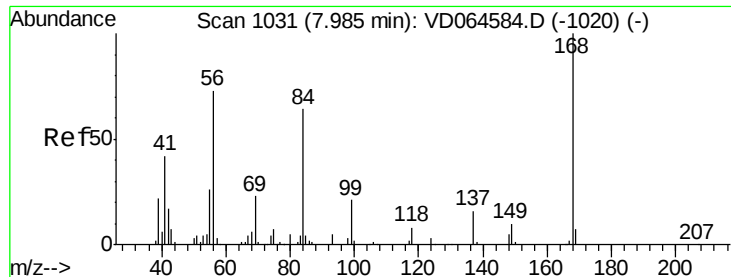
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	102679	19.731	ug/l	99
94) Hexachlorobutadiene	15.28	225	64397	19.665	ug/l	97
95) Naphthalene	15.41	128	165326	20.081	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90323	20.331	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

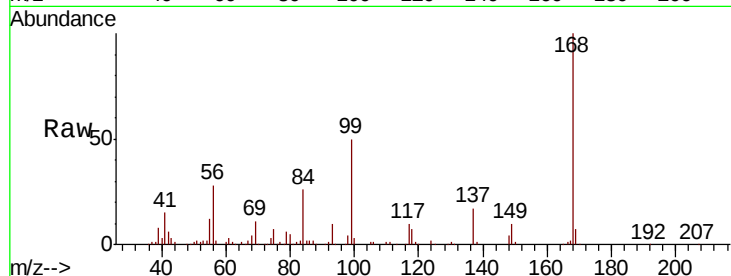
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 371306

Ion Ratio Lower Upper

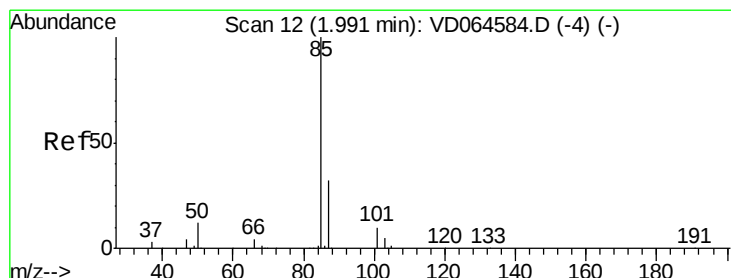
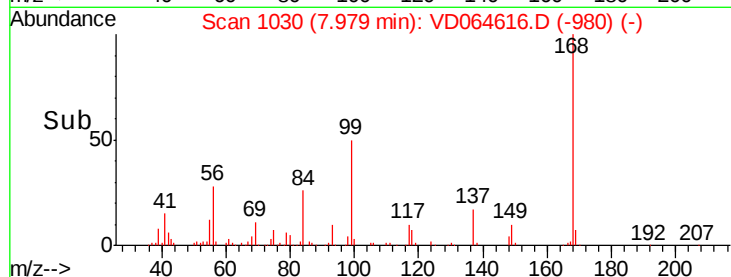
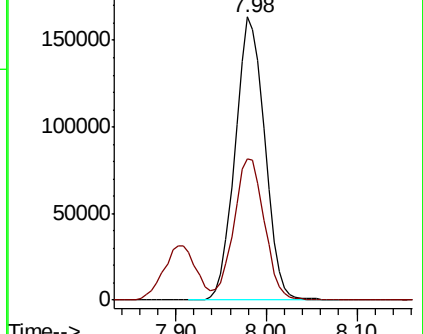
168 100

99 49.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.925 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064616.D

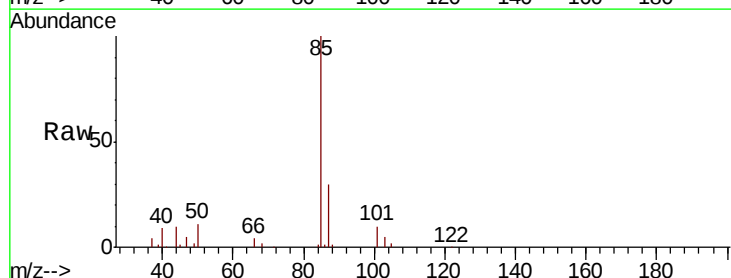
Acq: 27 Dec 2019 00:37

Tgt Ion: 85 Resp: 57496

Ion Ratio Lower Upper

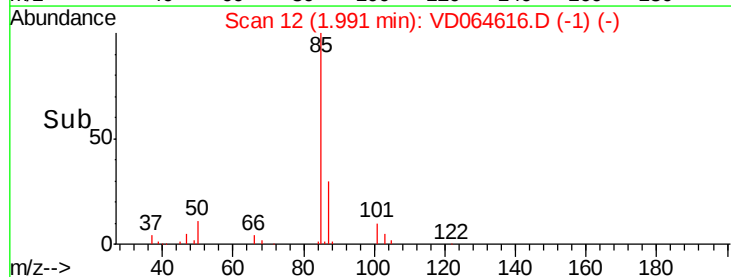
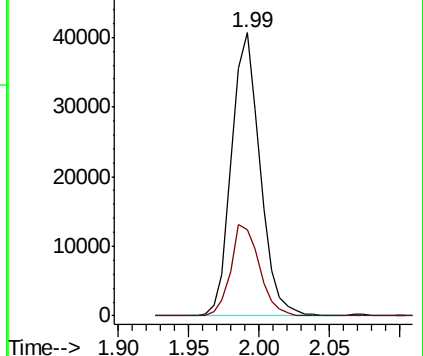
85 100

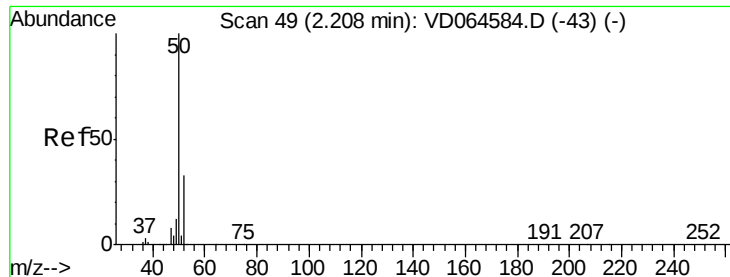
87 30.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.453 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

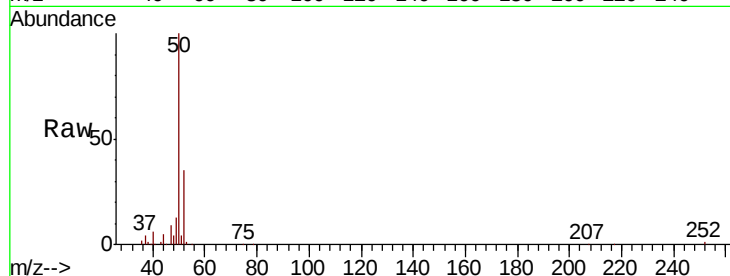
ClientSampled :

Tot Ion: 50 Resp: 86578

Ion Ratio Lower Upper

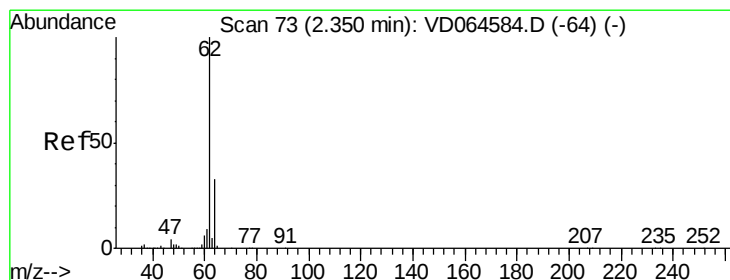
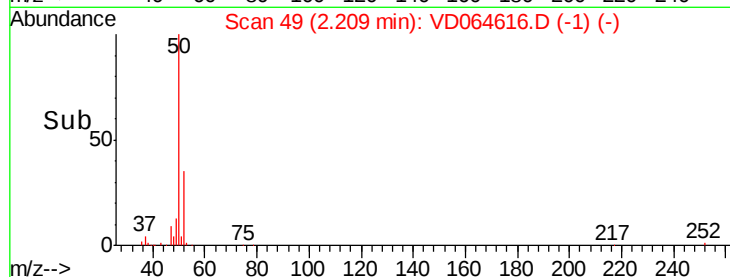
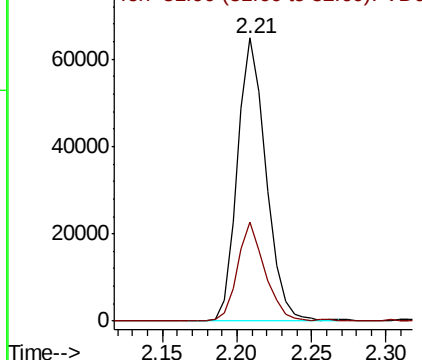
50 100

52 34.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.260 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064616.D

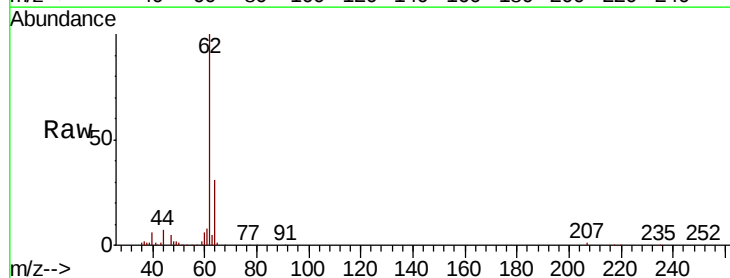
Acq: 27 Dec 2019 00:37

Tgt Ion: 62 Resp: 99689

Ion Ratio Lower Upper

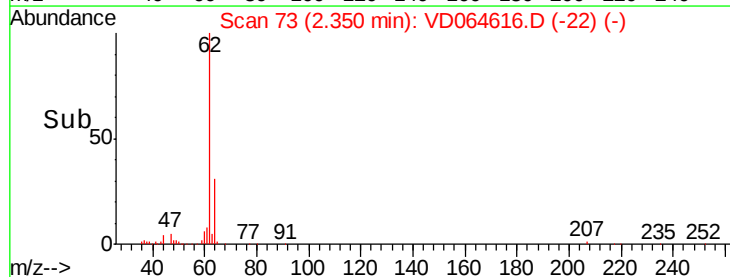
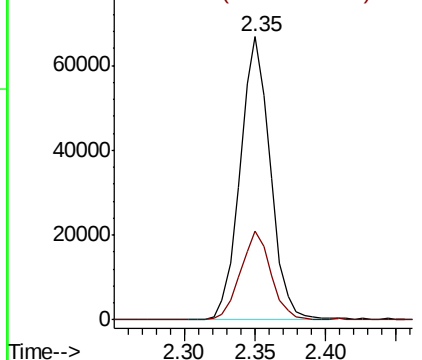
62 100

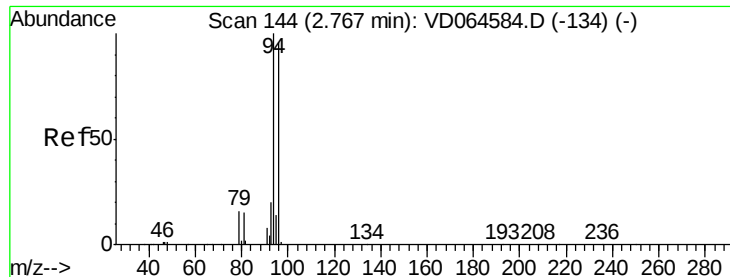
64 31.4 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.339 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

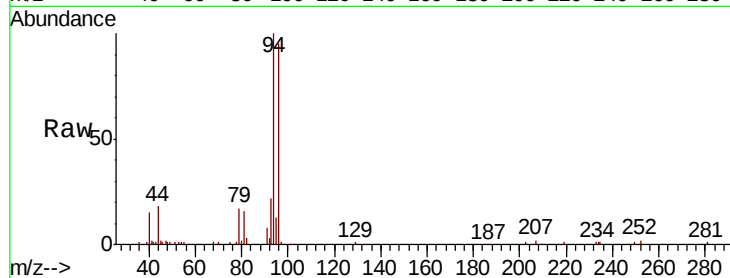
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 79924

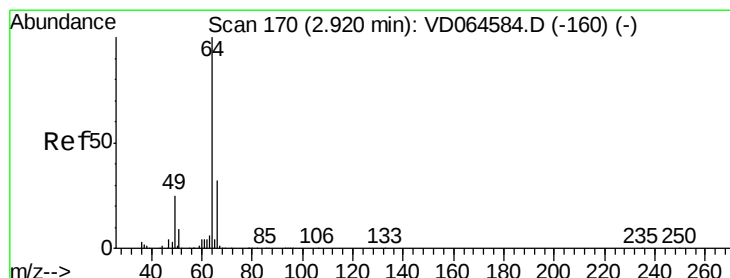
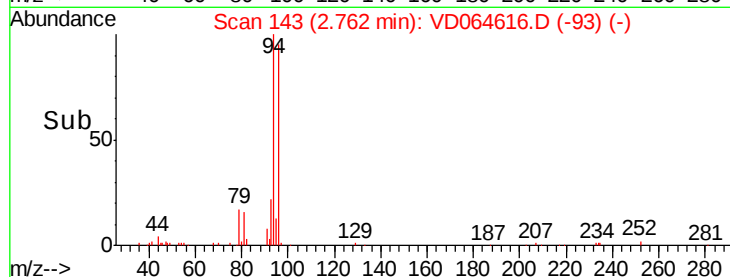
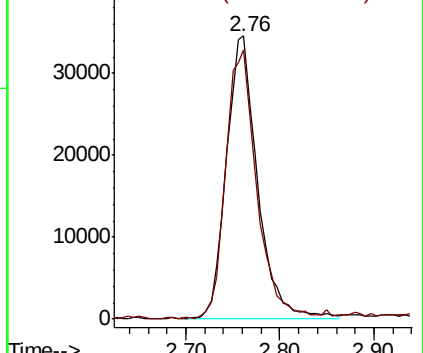
Ion Ratio Lower Upper

94 100

96 94.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064616.D

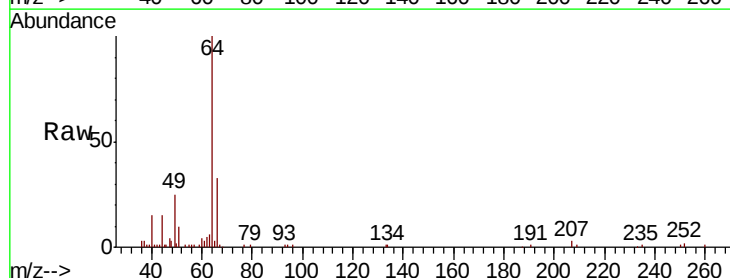
Acq: 27 Dec 2019 00:37

Tgt Ion: 64 Resp: 71946

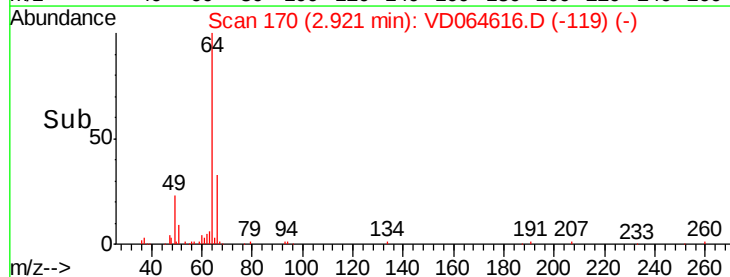
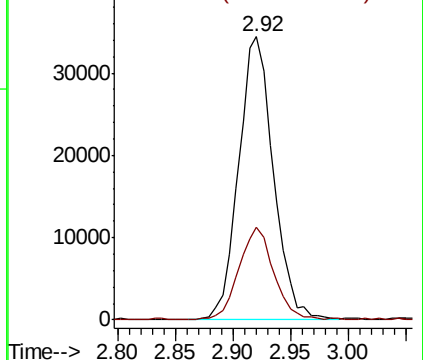
Ion Ratio Lower Upper

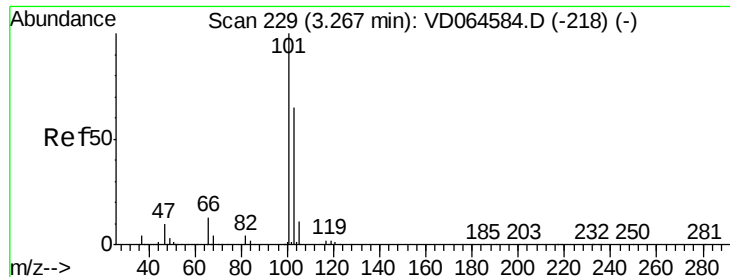
64 100

66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



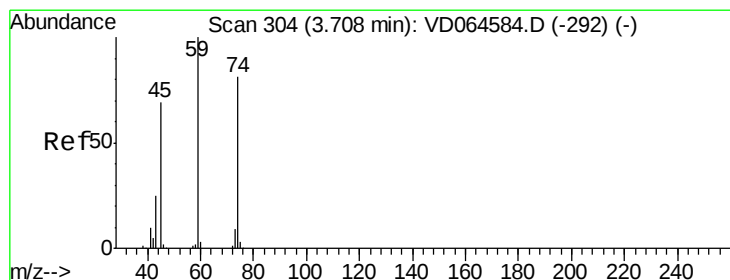
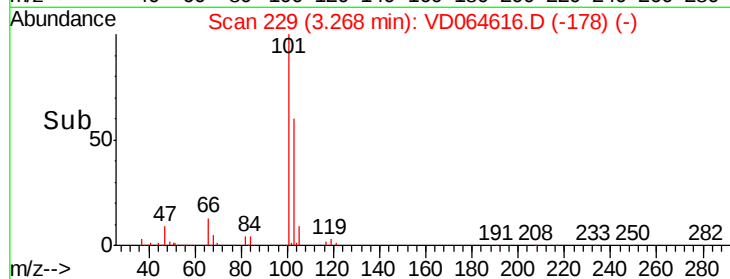
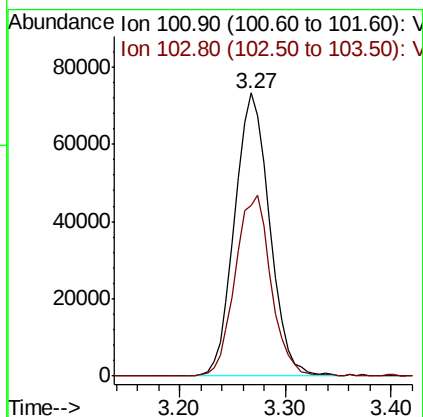
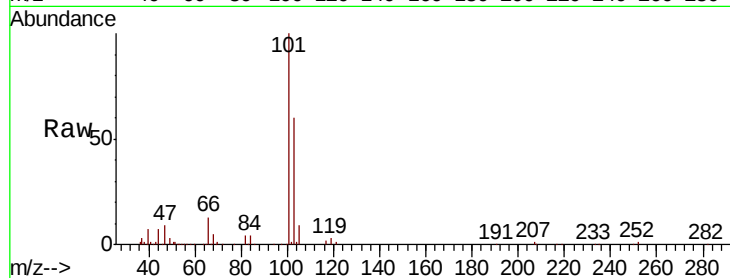


#7

Trichlorofluoromethane
 Concen: 20.288 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Instrument :
 MSVOA_D
 ClientSampled :

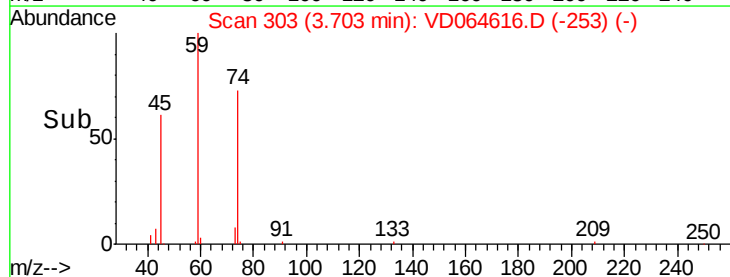
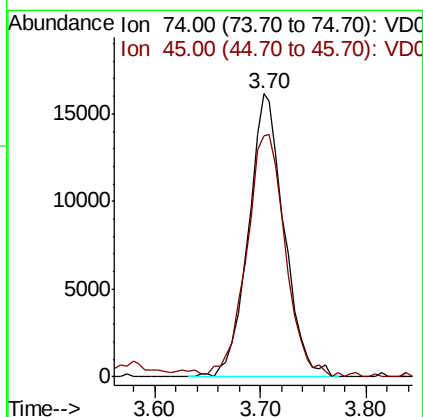
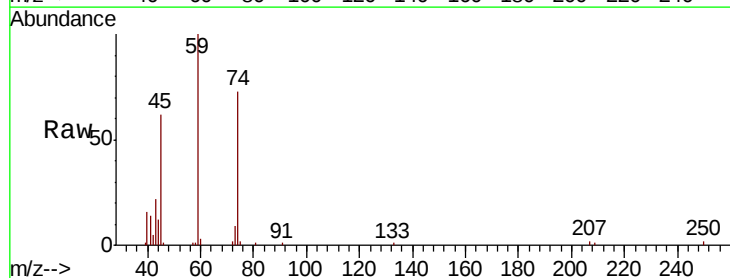
Tot Ion:101 Resp: 168088
 Ion Ratio Lower Upper
 101 100
 103 60.2 52.2 78.4

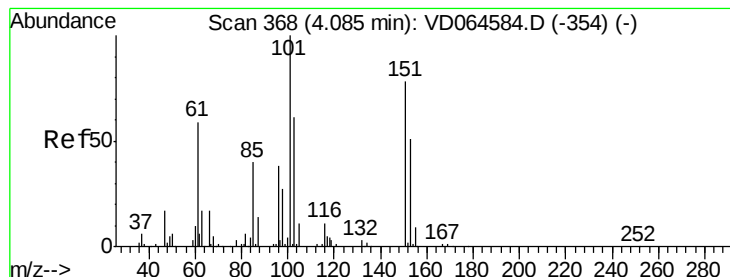


#8

Diethyl Ether
 Concen: 22.944 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 74 Resp: 37748
 Ion Ratio Lower Upper
 74 100
 45 93.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.194 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

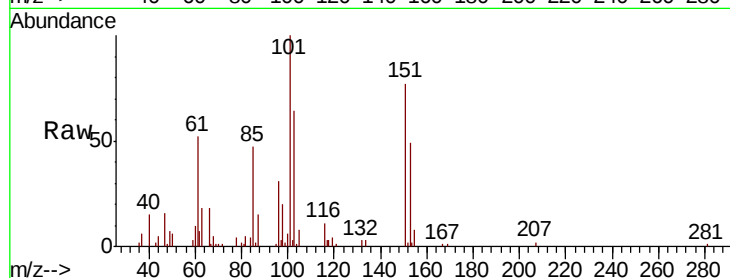
Tot Ion:101 Resp: 69290

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

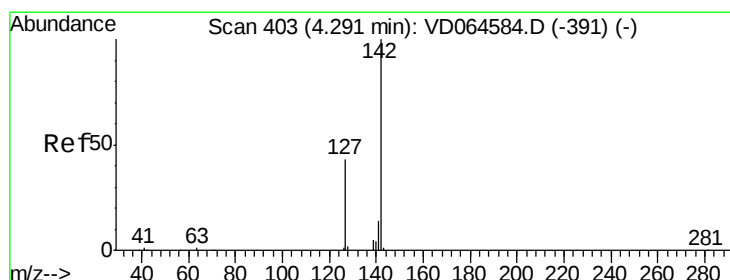
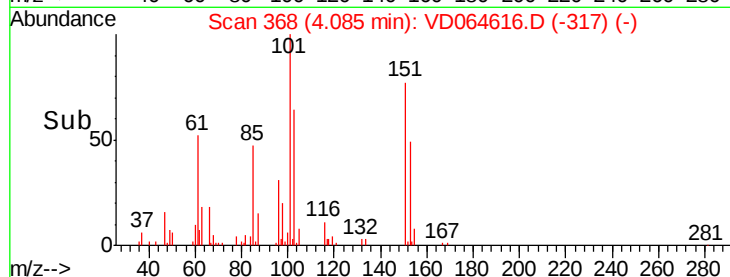
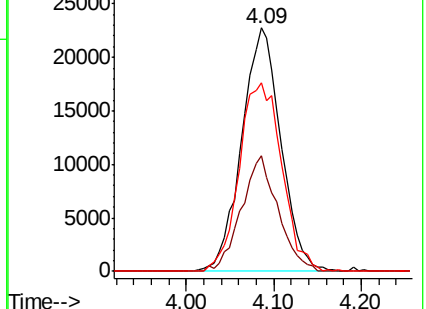
151 83.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.329 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

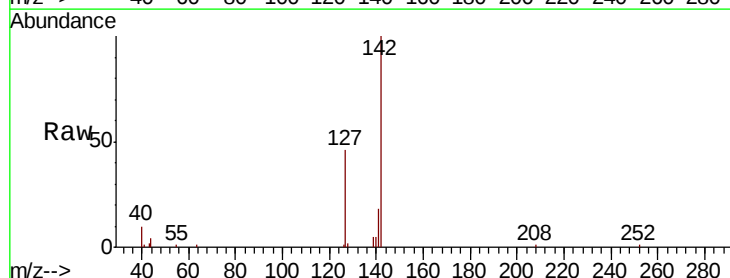
Tgt Ion:142 Resp: 78612

Ion Ratio Lower Upper

142 100

127 46.1 36.2 54.4

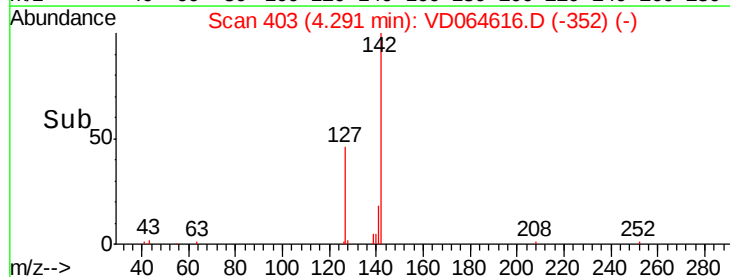
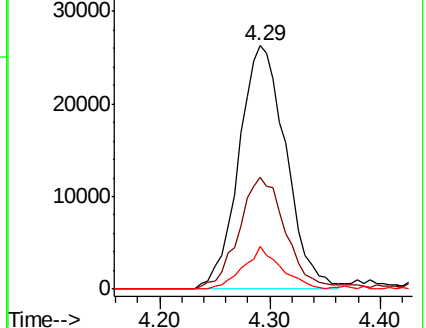
141 14.0 11.8 17.8

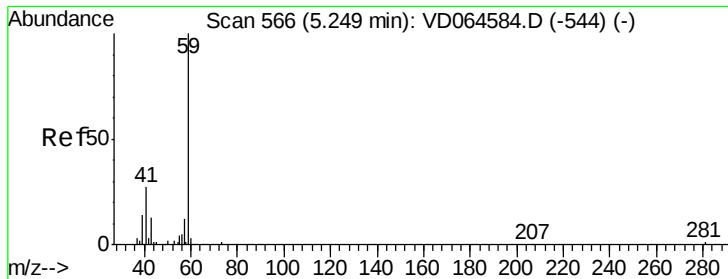


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

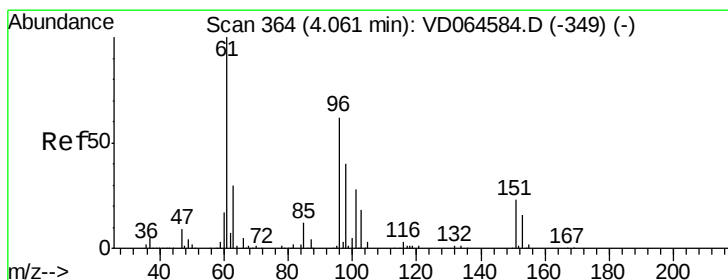
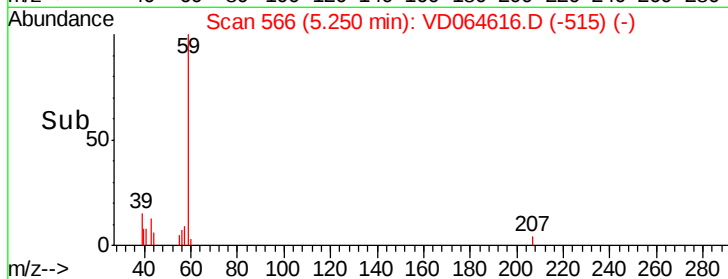
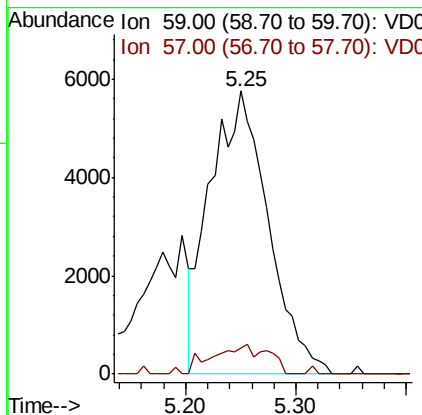
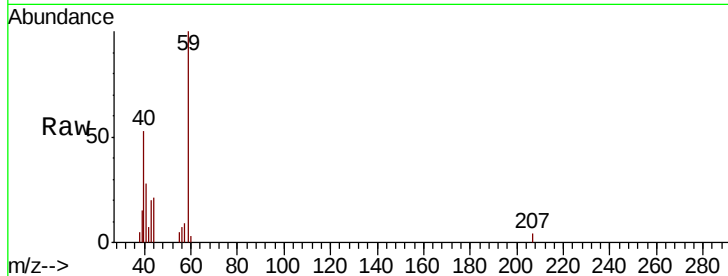




#11
Tert butyl alcohol
Concen: 112.518 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

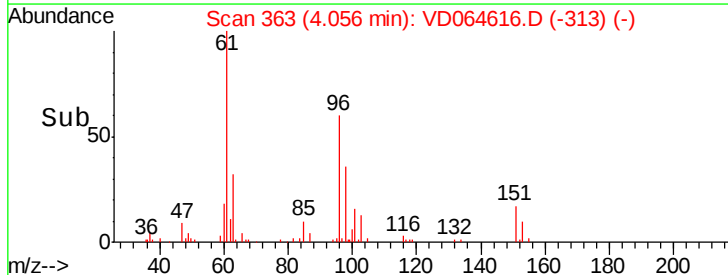
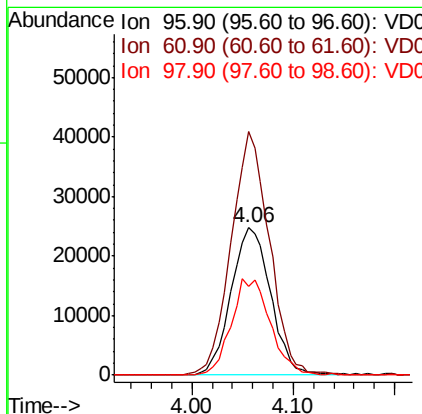
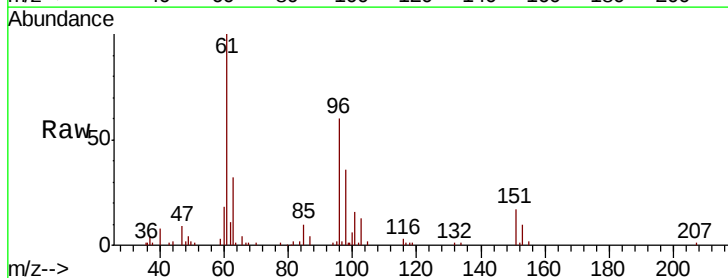
Instrument :
MSVOA_D
ClientSampleId :

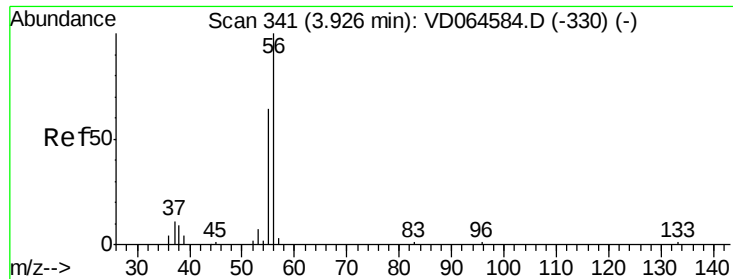
Tot Ion: 59 Resp: 21113
Ion Ratio Lower Upper
59 100
57 8.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 20.532 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 96 Resp: 67072
Ion Ratio Lower Upper
96 100
61 164.5 129.4 194.0
98 61.3 51.4 77.0





#13

Acrolein

Concen: 103.695 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

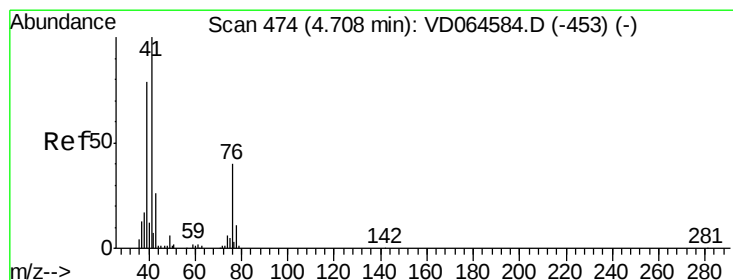
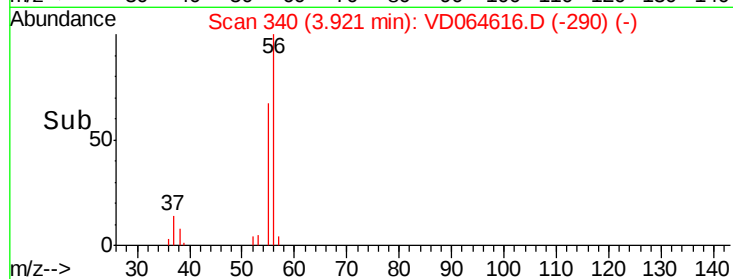
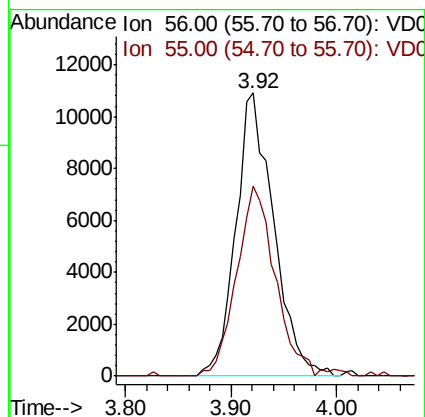
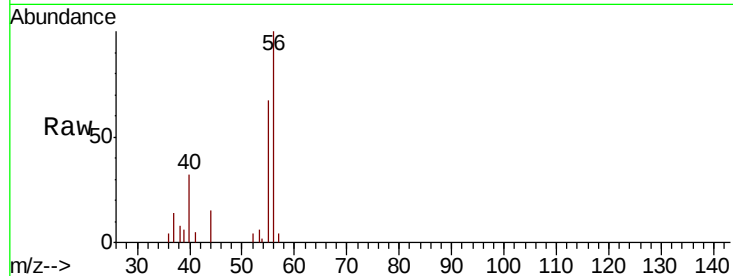
ClientSampleId :

Tot Ion: 56 Resp: 27117

Ion Ratio Lower Upper

56 100

55 68.6 56.7 85.1



#14

Allyl chloride

Concen: 21.502 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

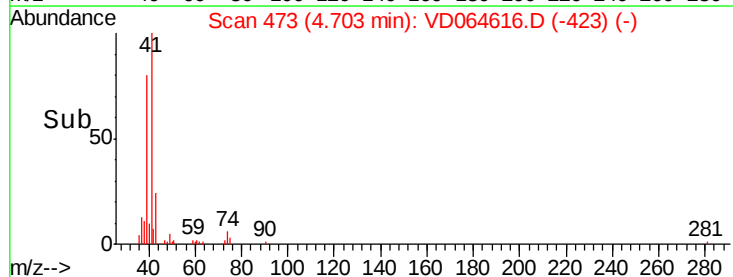
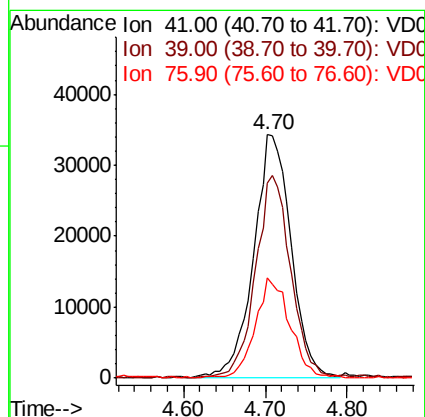
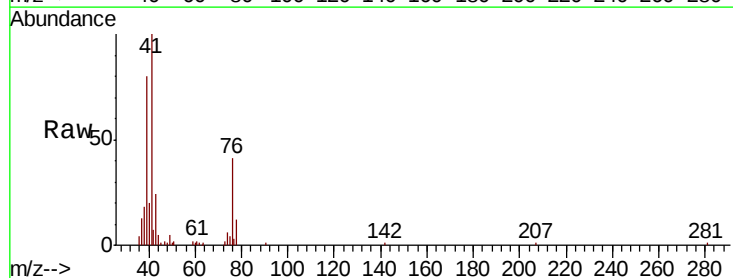
Tgt Ion: 41 Resp: 109514

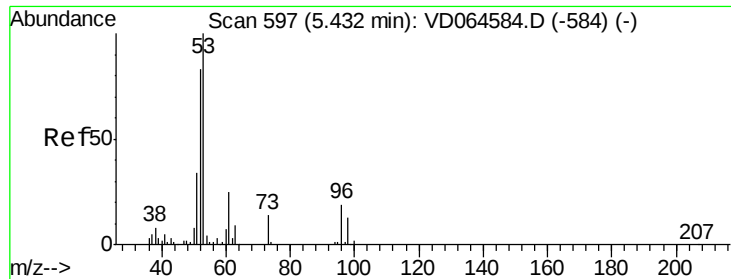
Ion Ratio Lower Upper

41 100

39 78.0 62.3 93.5

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 113.451 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

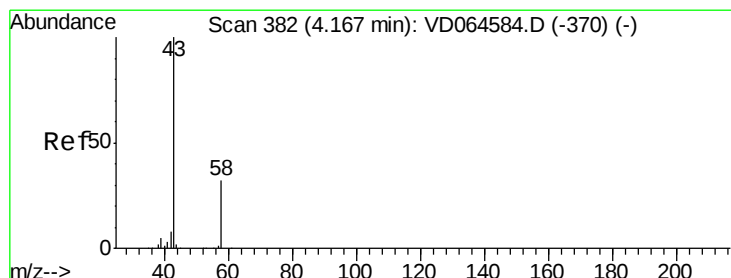
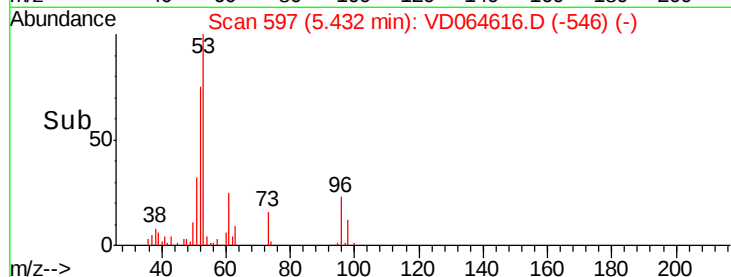
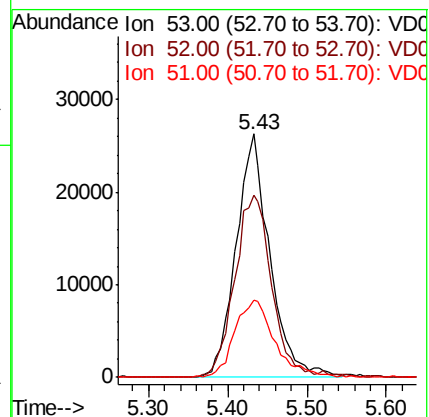
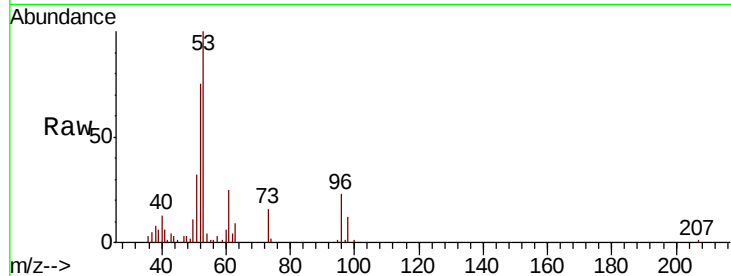
Tot Ion: 53 Resp: 77748

Ion Ratio Lower Upper

53 100

52 80.9 66.2 99.2

51 37.6 30.1 45.1



#16

Acetone

Concen: 89.389 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064616.D

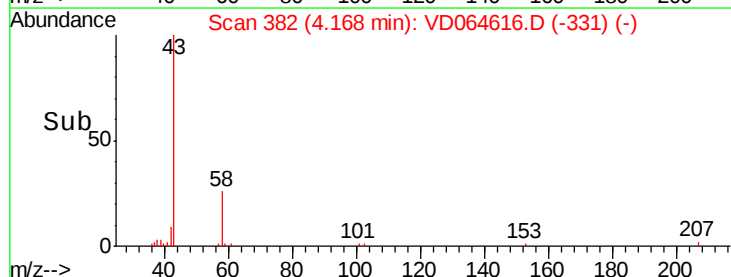
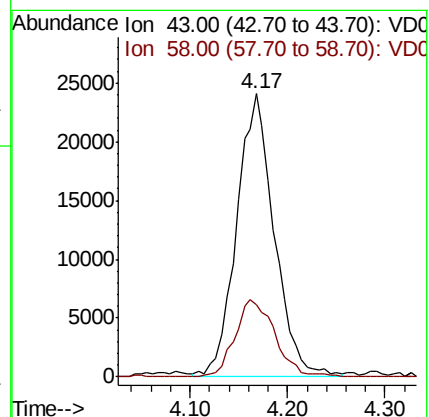
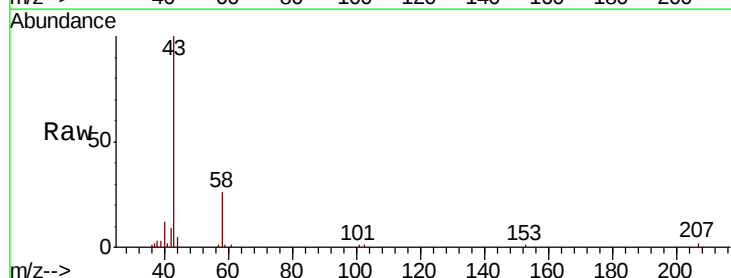
Acq: 27 Dec 2019 00:37

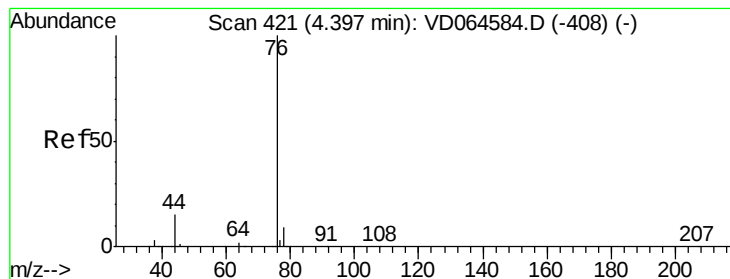
Tgt Ion: 43 Resp: 64448

Ion Ratio Lower Upper

43 100

58 25.8 25.8 38.6





#17

Carbon Disulfide

Concen: 20.512 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

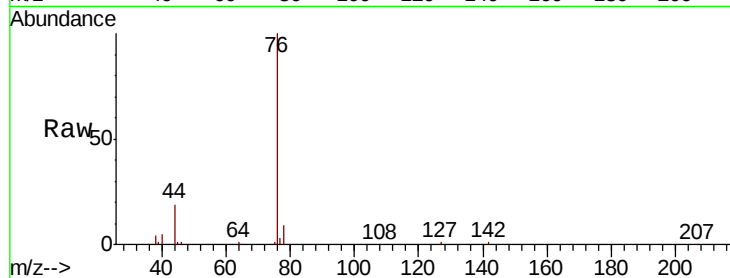
ClientSampleId :

Tot Ion: 76 Resp: 216667

Ion Ratio Lower Upper

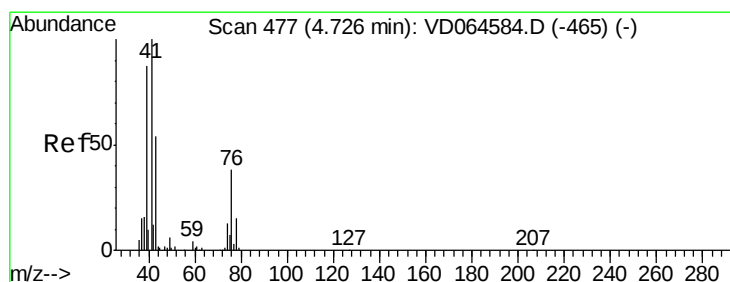
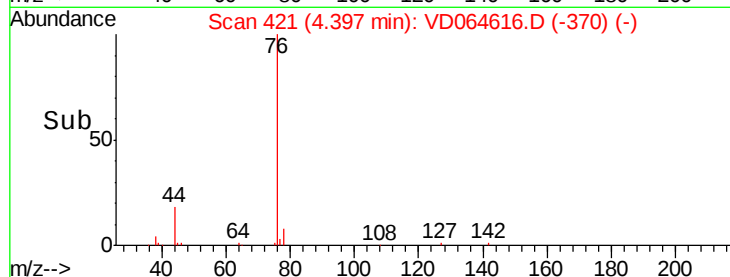
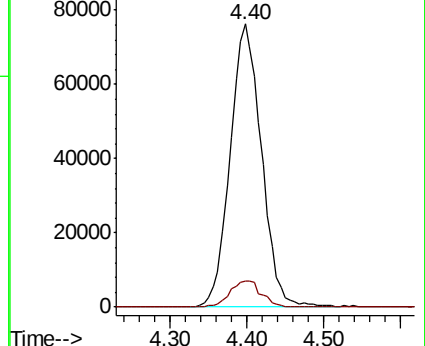
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.838 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064616.D

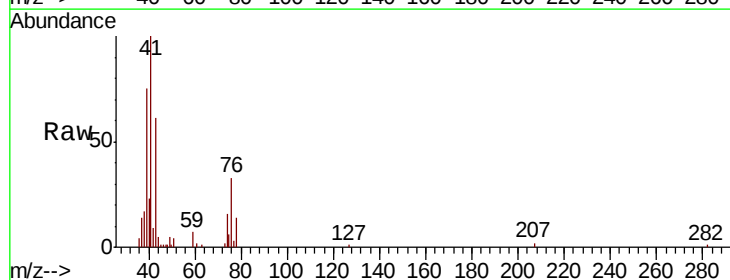
Acq: 27 Dec 2019 00:37

Tgt Ion: 43 Resp: 43941

Ion Ratio Lower Upper

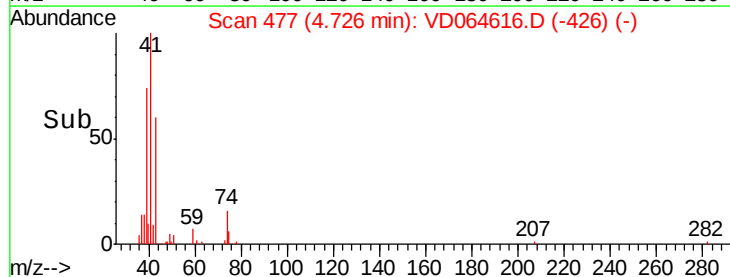
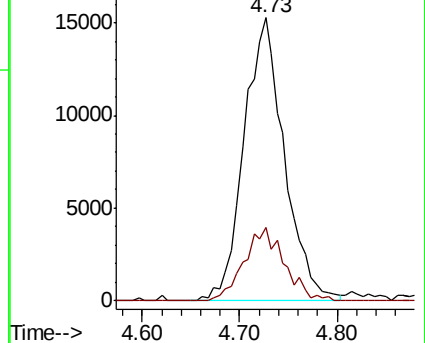
43 100

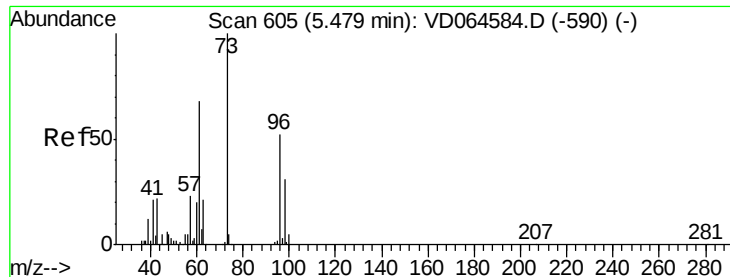
74 25.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



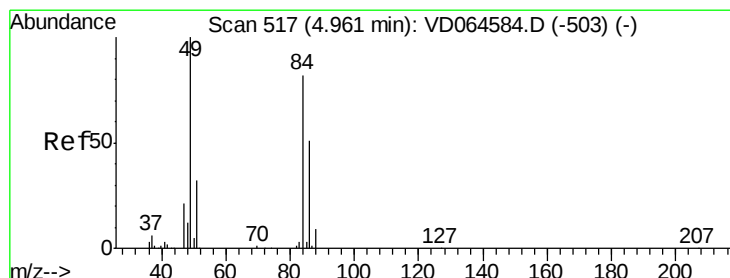
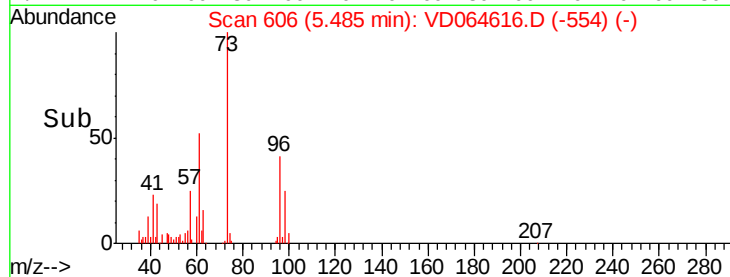
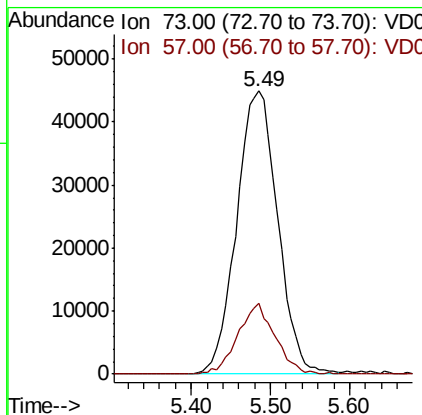
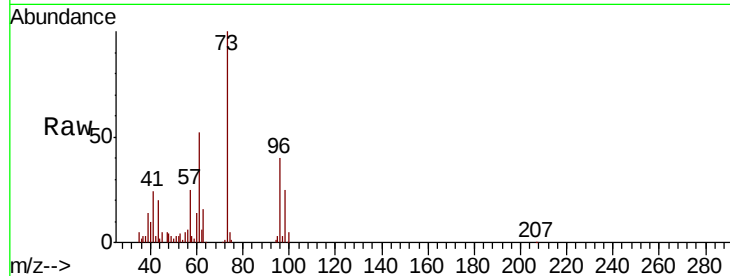


#19

Methyl tert-butyl Ether
 Concen: 22.277 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :

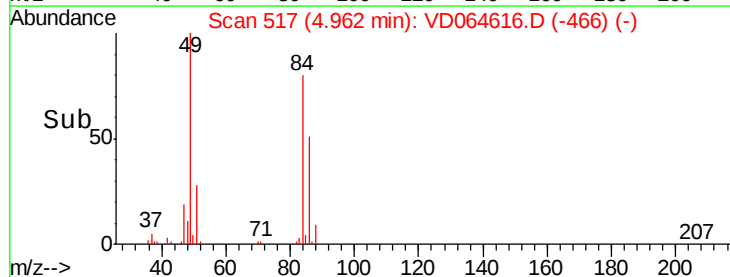
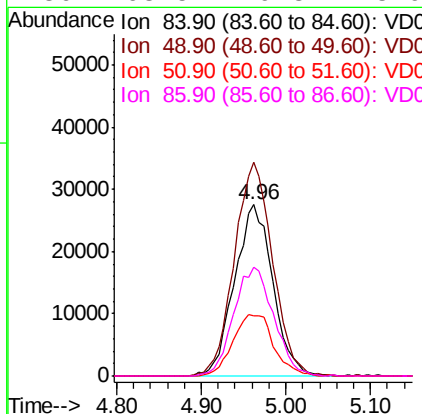
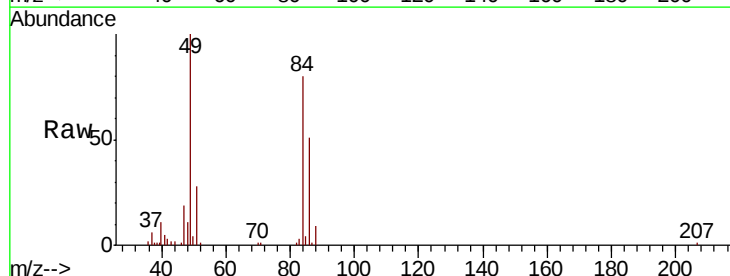
Tot Ion: 73 Resp: 161640
 Ion Ratio Lower Upper
 73 100
 57 25.3 18.6 27.8

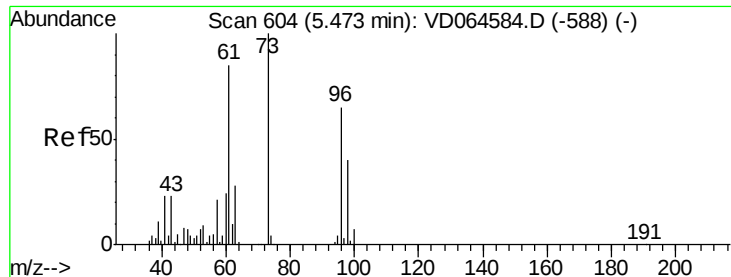


#20

Methylene Chloride
 Concen: 23.224 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 84 Resp: 86531
 Ion Ratio Lower Upper
 84 100
 49 124.6 97.2 145.8
 51 34.8 31.4 47.0
 86 63.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.657 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

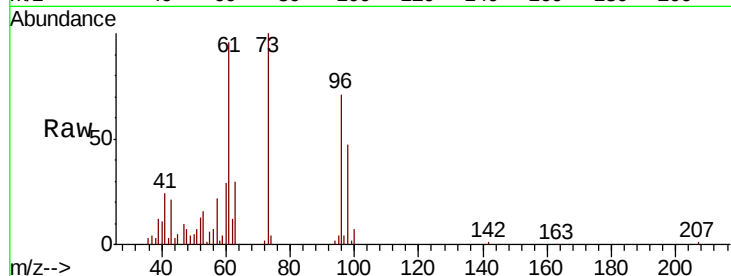
Tot Ion: 96 Resp: 80571

Ion Ratio Lower Upper

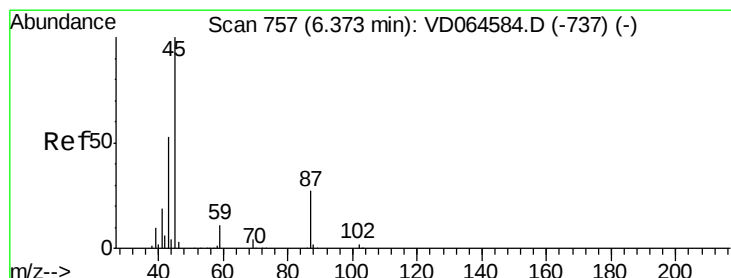
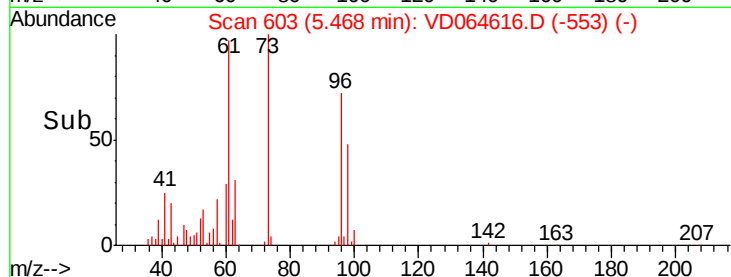
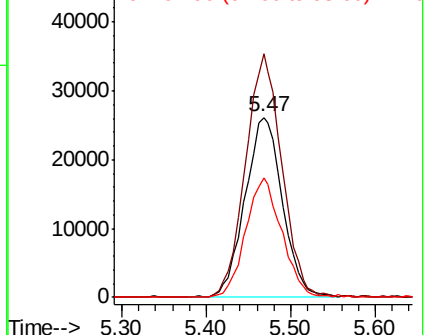
96 100

61 135.4 104.7 157.1

98 66.4 49.4 74.2



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



#22

Diisopropyl ether

Concen: 22.423 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Tgt Ion: 45 Resp: 227787

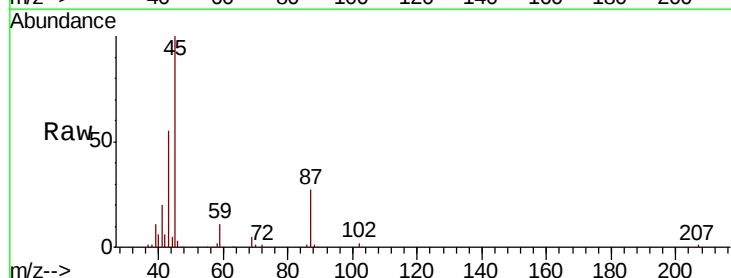
Ion Ratio Lower Upper

45 100

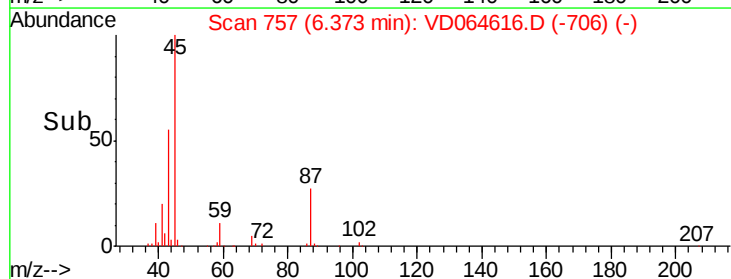
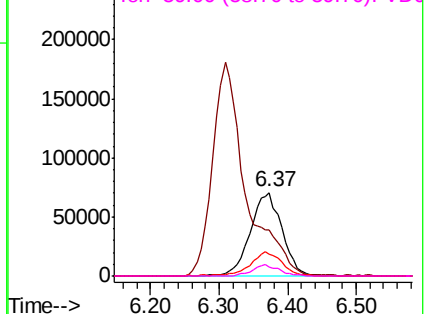
43 53.9 43.2 64.8

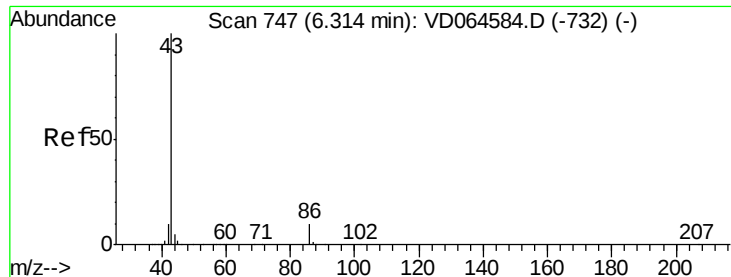
87 26.7 21.9 32.9

59 10.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.666 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

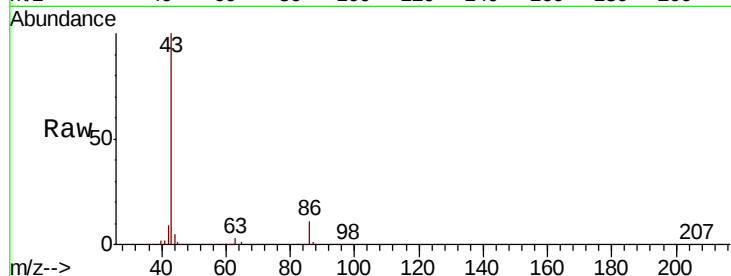
ClientSampled :

Tot Ion: 43 Resp: 608919

Ion Ratio Lower Upper

43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

150000

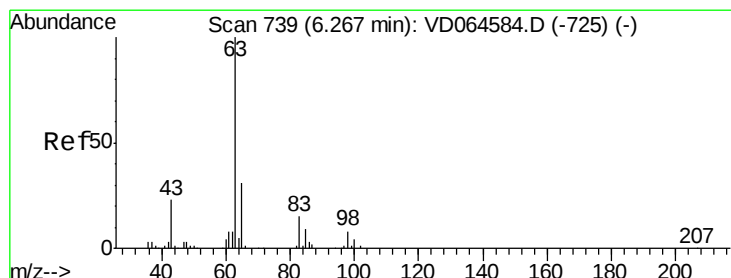
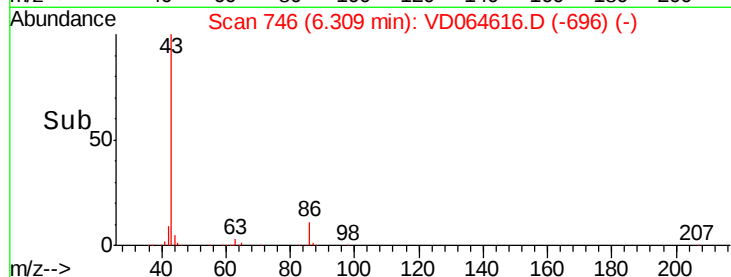
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.415 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

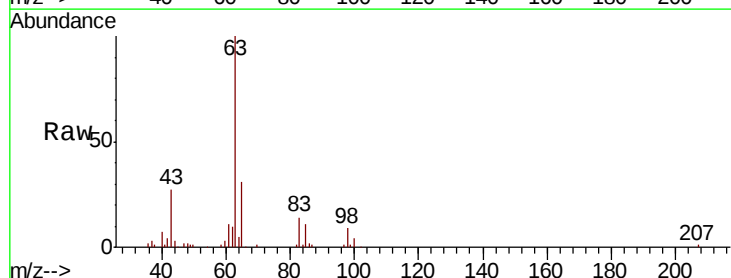
Tgt Ion: 63 Resp: 136702

Ion Ratio Lower Upper

63 100

98 9.0 4.1 12.3

100 4.1 2.2 6.6



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

6.27

60000

50000

40000

30000

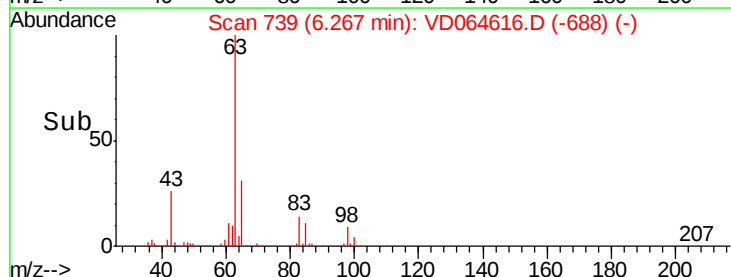
20000

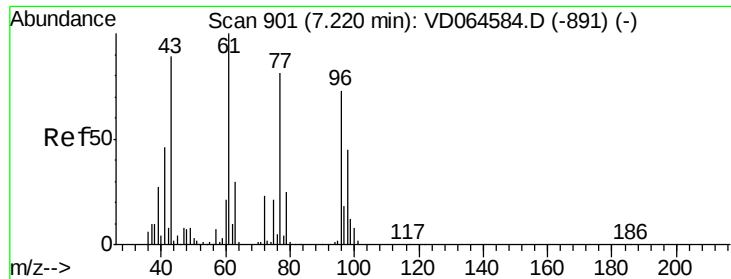
10000

0

6.20 6.30 6.40

Time-->

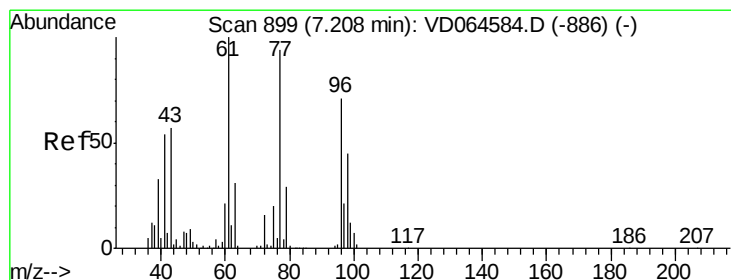
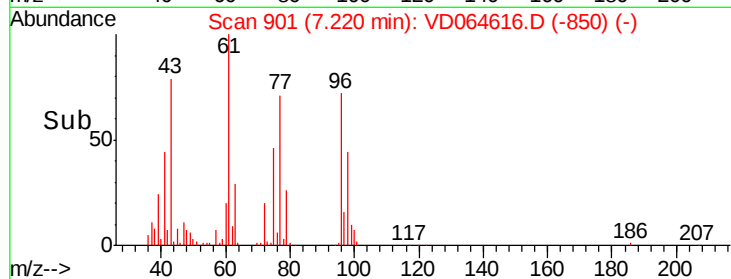
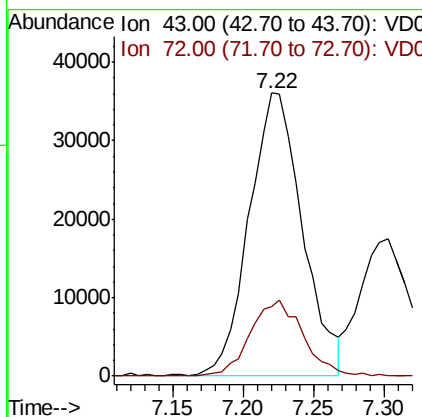
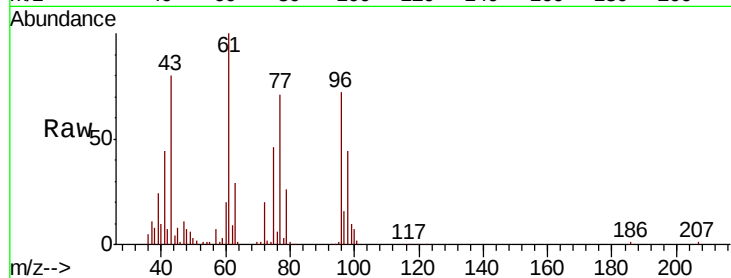




#25
2-Butanone
Concen: 106.218 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

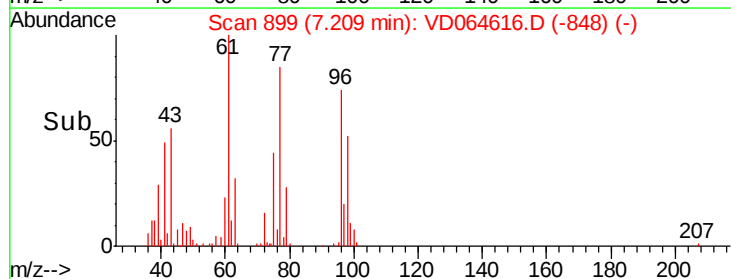
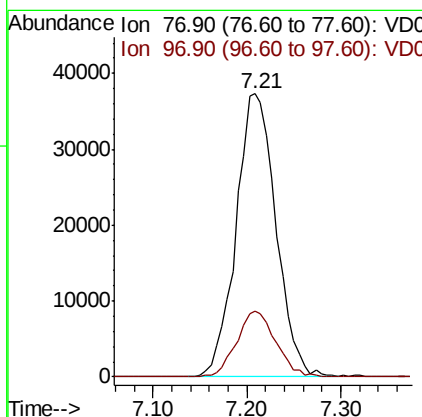
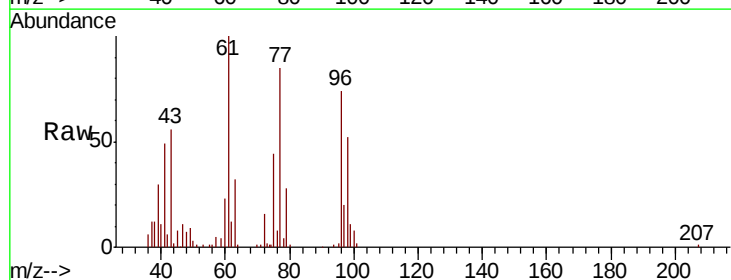
Instrument :
MSVOA_D
ClientSampleId :

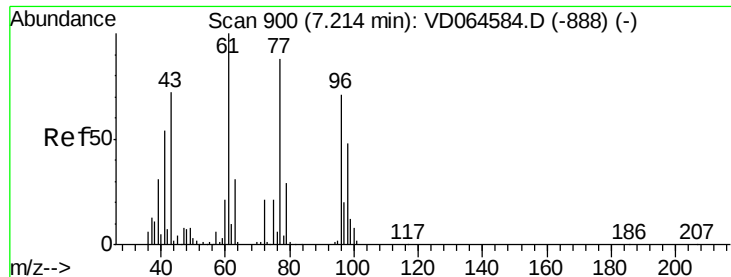
Tot Ion: 43 Resp: 95594
Ion Ratio Lower Upper
43 100
72 24.5 20.7 31.1



#26
2,2-Dichloropropane
Concen: 19.341 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 77 Resp: 109669
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6



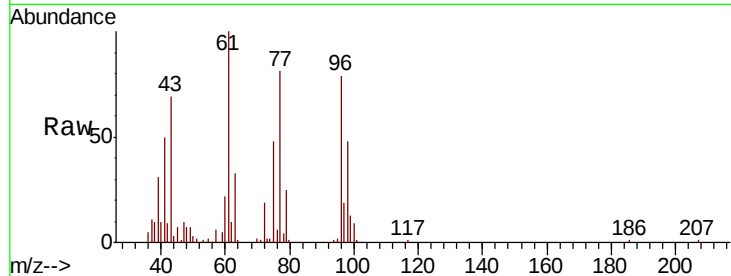


#27

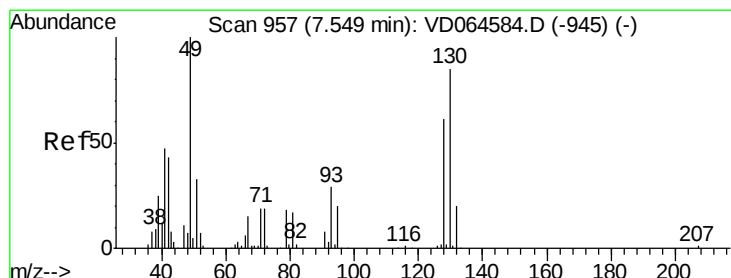
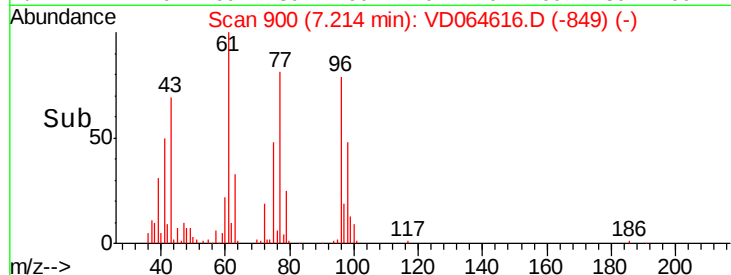
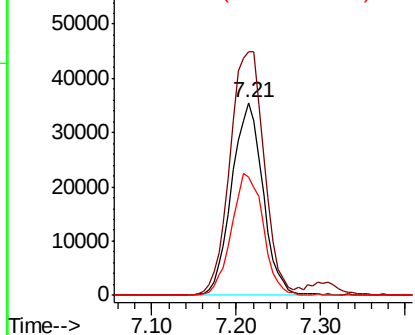
cis-1,2-Dichloroethene
 Concen: 22.704 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 91157
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 282.6
 98 63.5 0.0 130.8



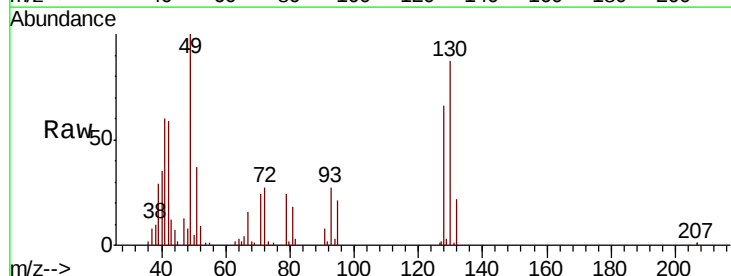
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



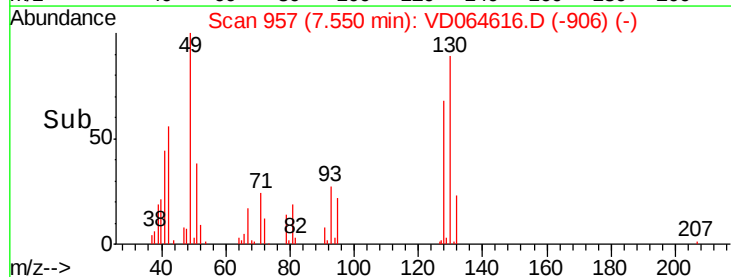
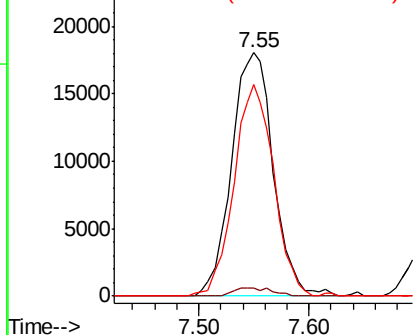
#28

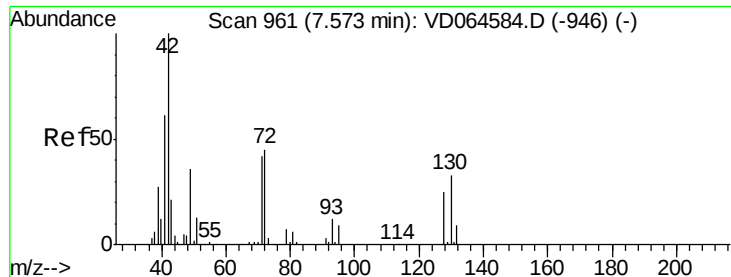
Bromochloromethane
 Concen: 20.127 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 49 Resp: 47716
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 4.8
 130 82.7 65.0 97.6



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

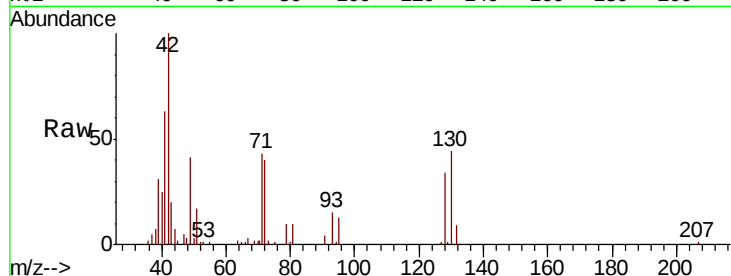




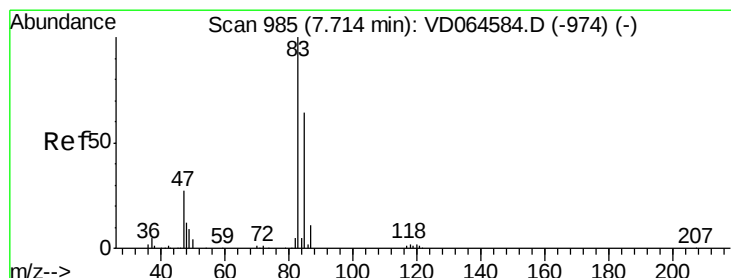
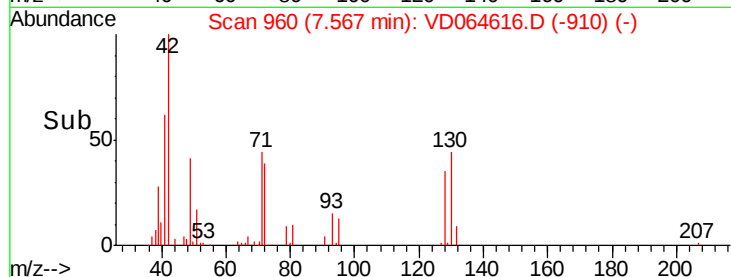
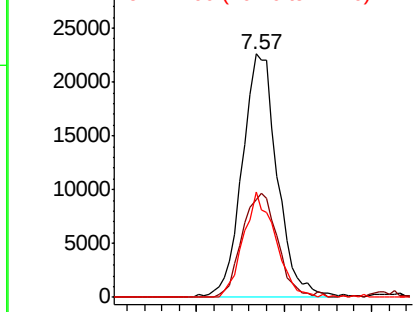
#29
Tetrahydrofuran
Concen: 110.139 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 61642
Ion Ratio Lower Upper
42 100
72 43.0 35.0 52.4
71 39.4 32.9 49.3

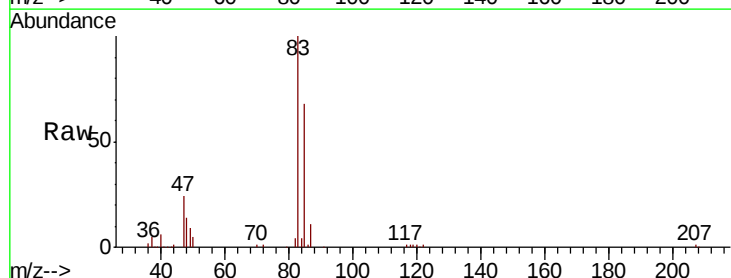


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

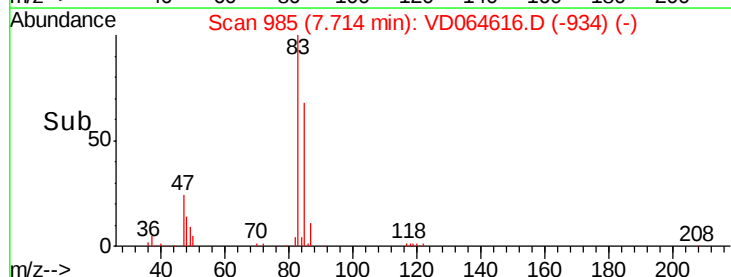
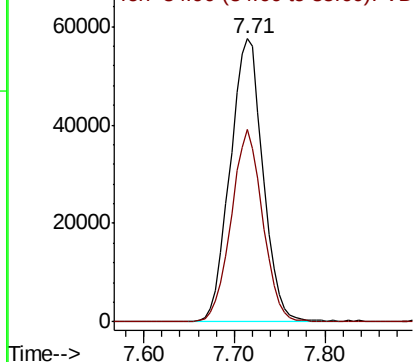


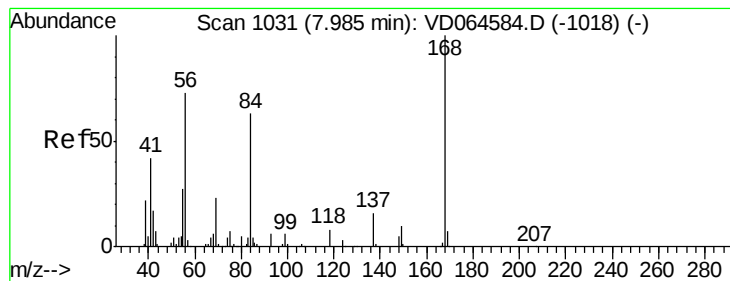
#30
Chloroform
Concen: 22.648 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 83 Resp: 144911
Ion Ratio Lower Upper
83 100
85 68.1 51.1 76.7



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





#31

Cyclohexane

Concen: 19.249 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

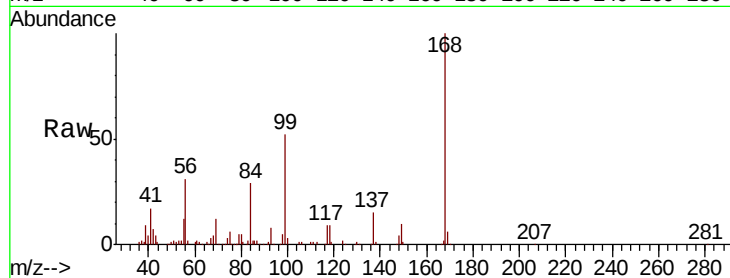
Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

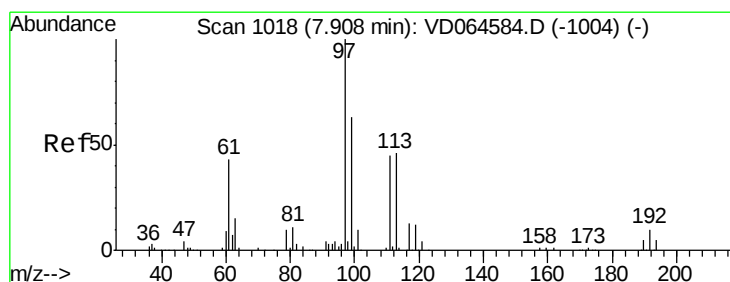
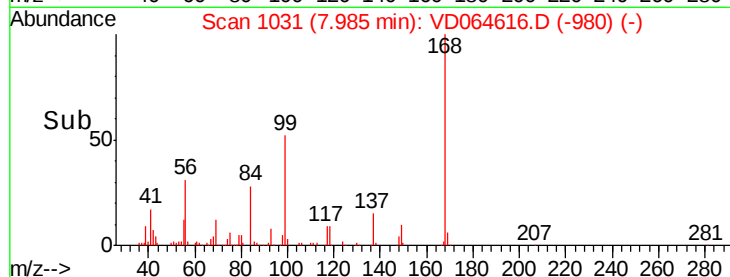
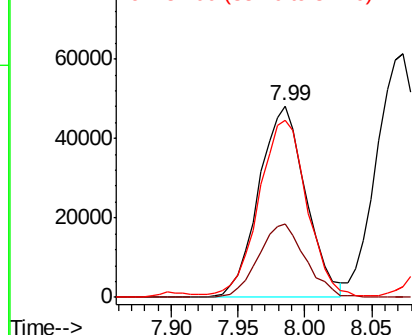
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 117509

Ion	Ratio	Lower	Upper
56	100		
69	38.3	24.7	37.1#
84	91.1	69.4	104.2



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



#32

1,1,1-Trichloroethane

Concen: 21.027 ug/l

RT: 7.91 min Scan# 1018

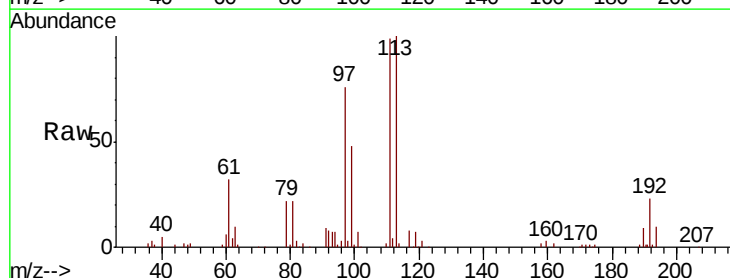
Delta R.T. 0.00 min

Lab File: VD064616.D

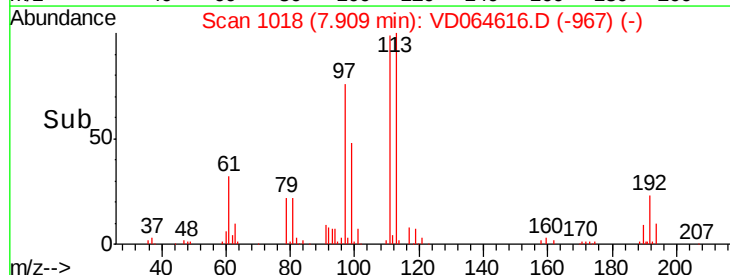
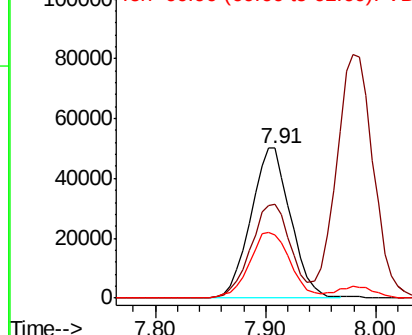
Acq: 27 Dec 2019 00:37

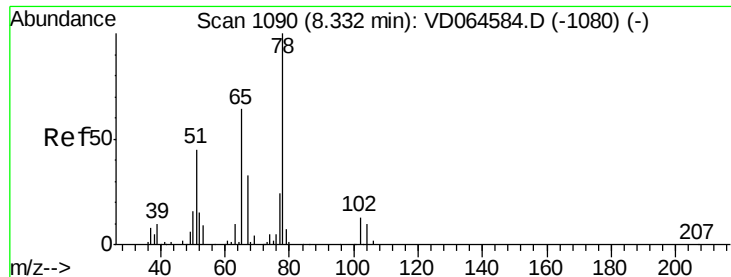
Tgt Ion: 97 Resp: 126373

Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.6
61	45.0	35.4	53.0



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





#33

1,2-Dichloroethane-d4

Concen: 58.760 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

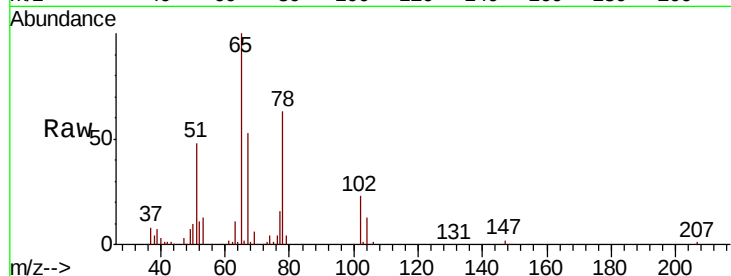
ClientSampled :

Tot Ion: 65 Resp: 192387

Ion Ratio Lower Upper

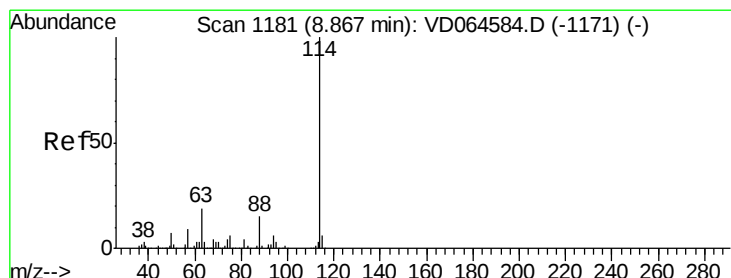
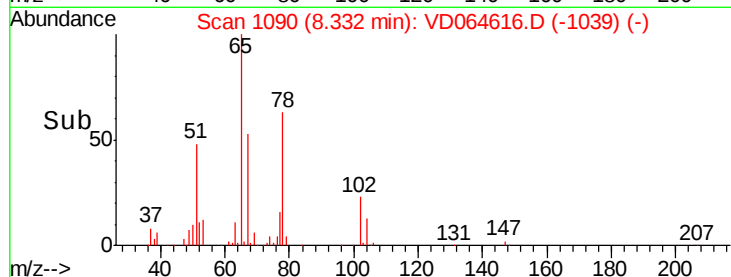
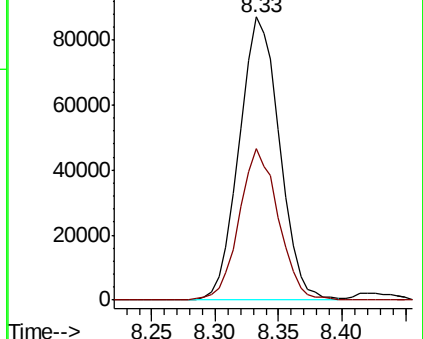
65 100

67 52.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

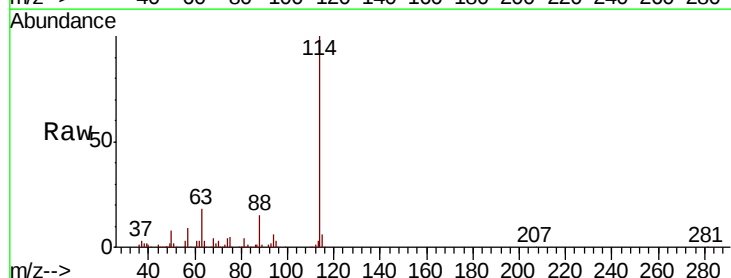
Tgt Ion: 114 Resp: 571346

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.0

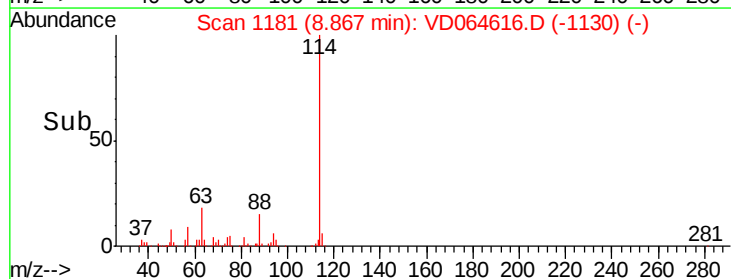
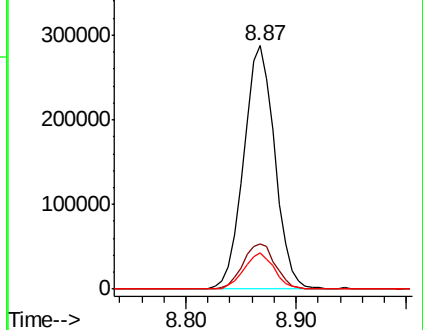
88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

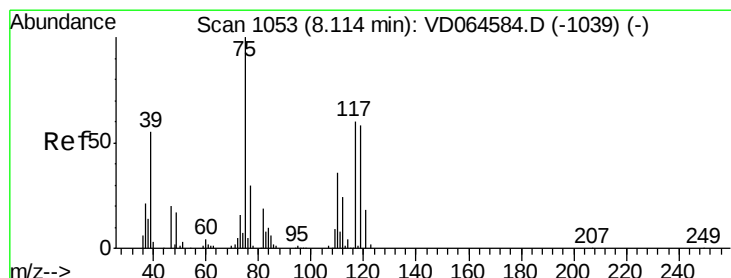
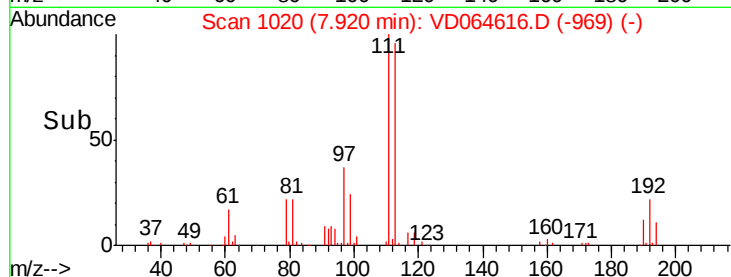
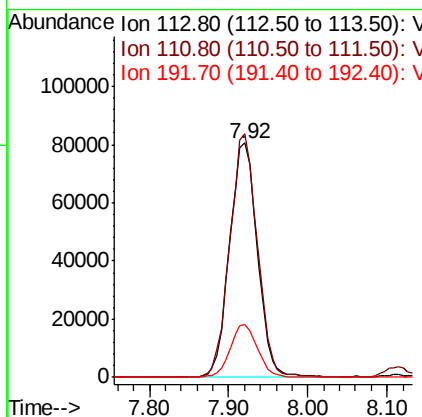
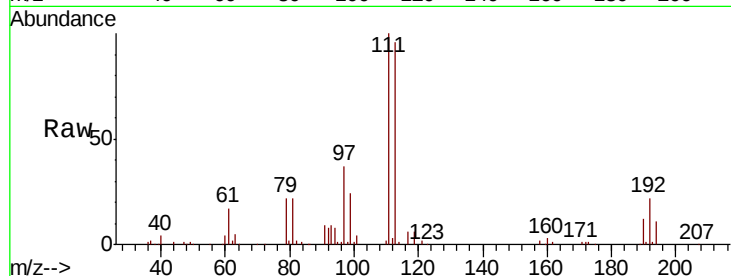




#35
 Dibromofluoromethane
 Concen: 56.078 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

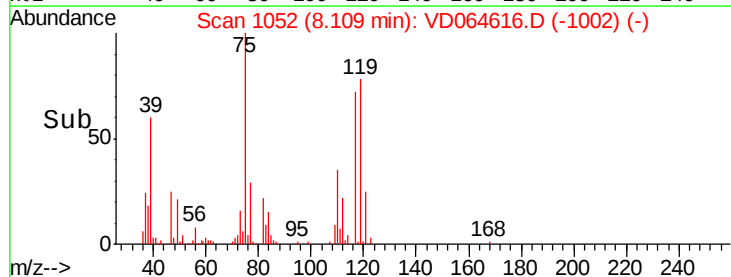
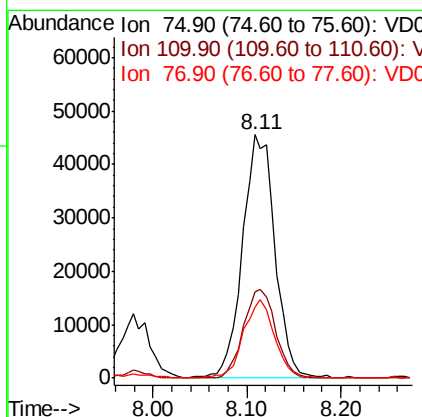
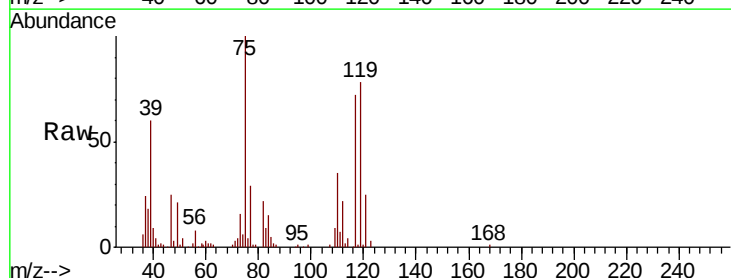
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.6	121.0
192	21.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 19.816 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	30.7	24.2	36.4

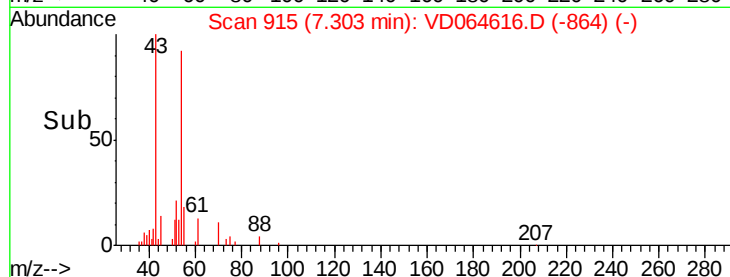
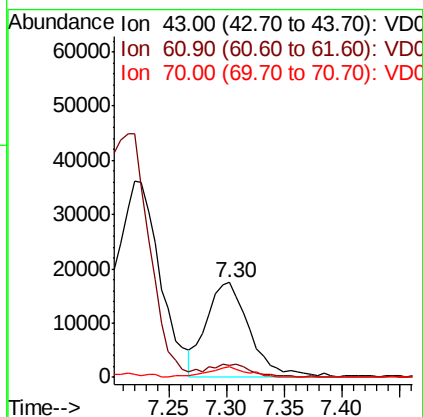
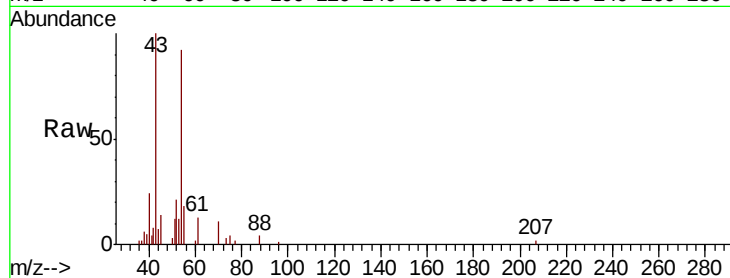




#37
Ethyl Acetate
Concen: 21.208 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

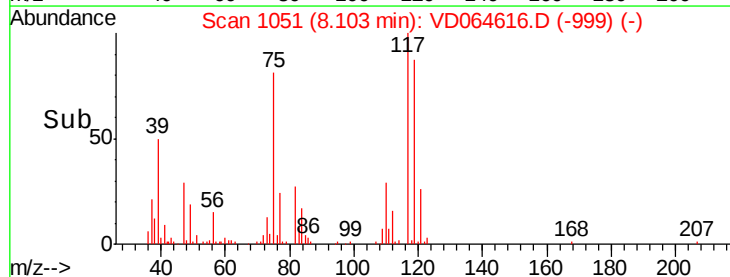
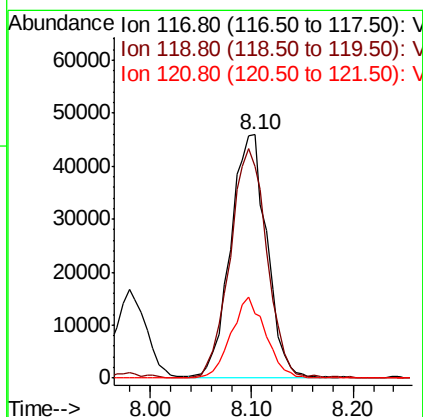
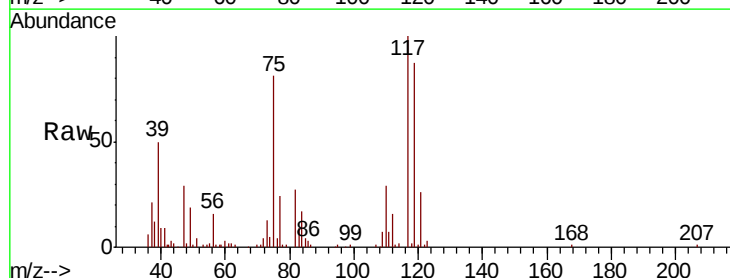
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 45816
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 10.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.545 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 117 Resp: 114608
Ion Ratio Lower Upper
117 100
119 86.7 77.3 115.9
121 26.3 25.0 37.6

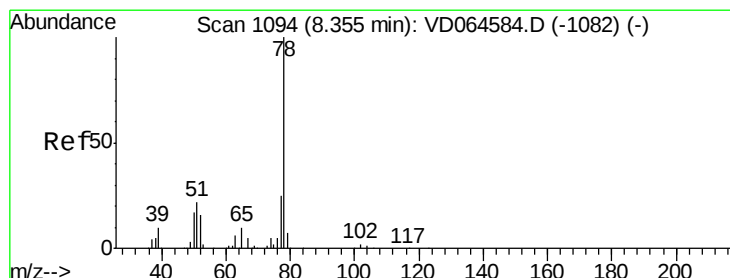
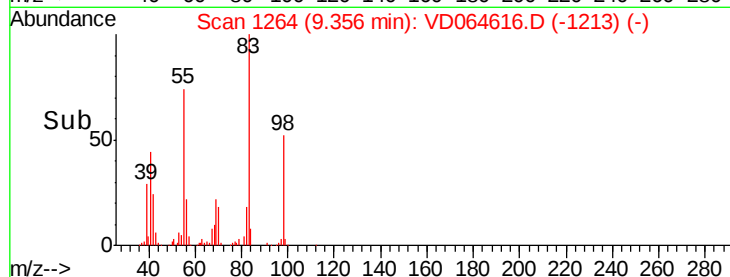
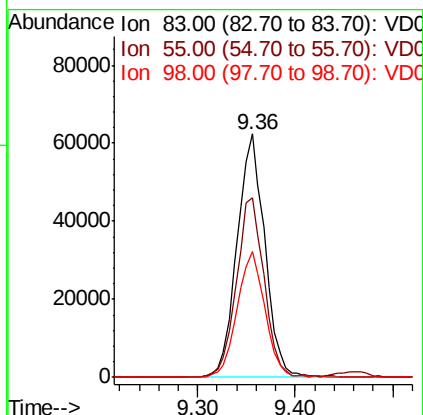
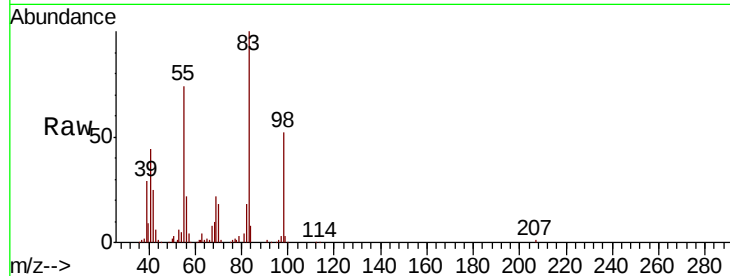




#39
Methvlcvclohexane
Concen: 18.580 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

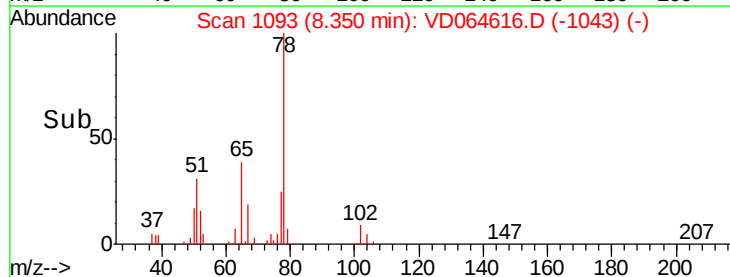
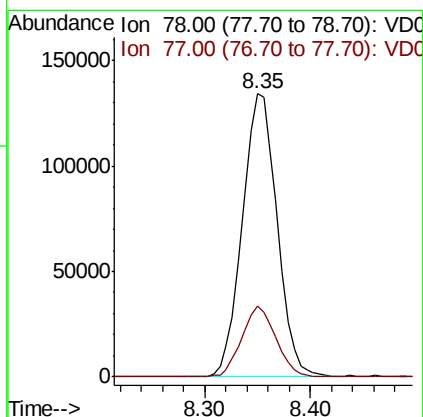
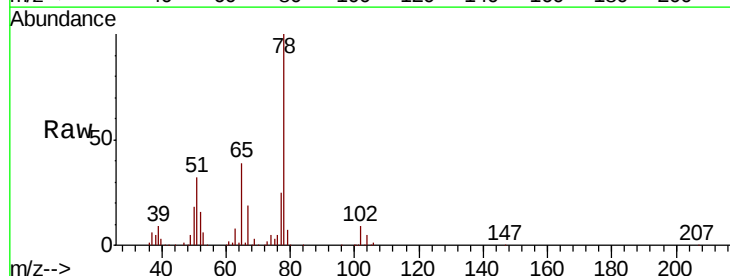
Instrument :
MSVOA_D
ClientSampled :

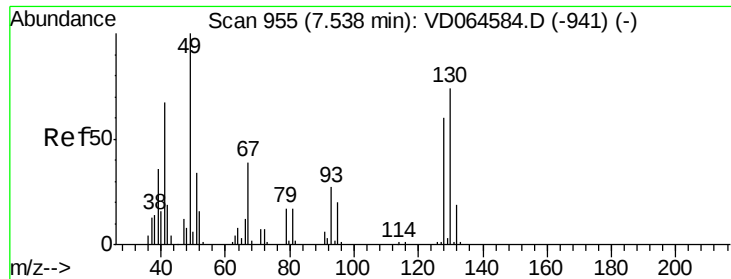
Tot Ion: 83 Resp: 123753
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 51.7 38.7 58.1



#40
Benzene
Concen: 20.470 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 78 Resp: 307303
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

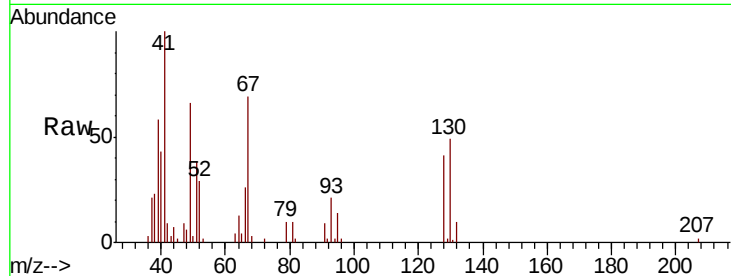




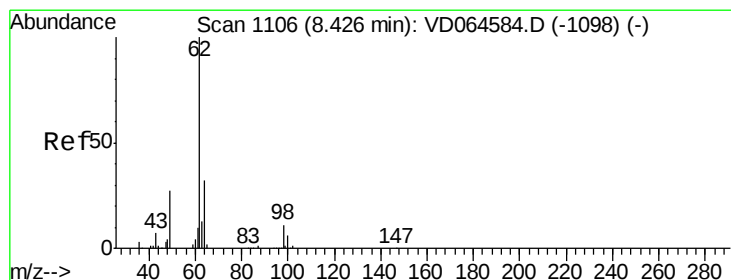
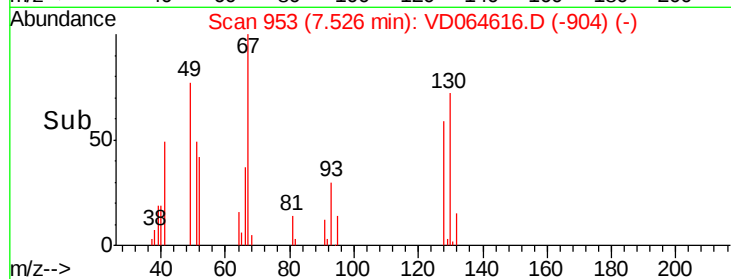
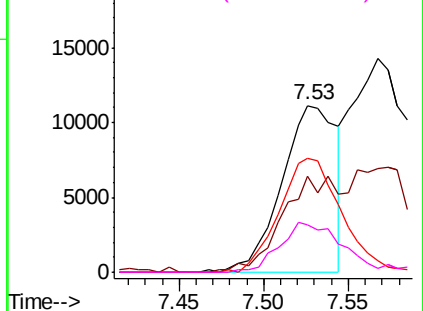
#41
Methacrylonitrile
Concen: 20.032 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 25109
Ion Ratio Lower Upper
41 100
39 56.9 46.7 70.1
67 77.0 52.5 78.7
52 34.9 24.1 36.1

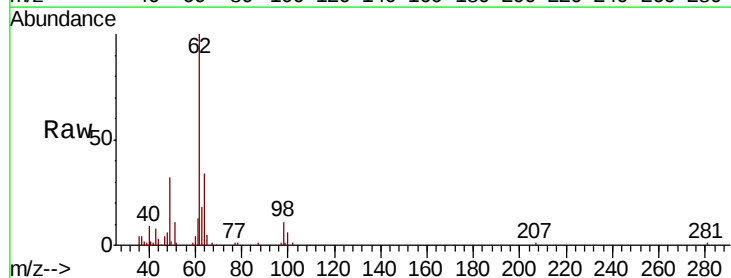


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

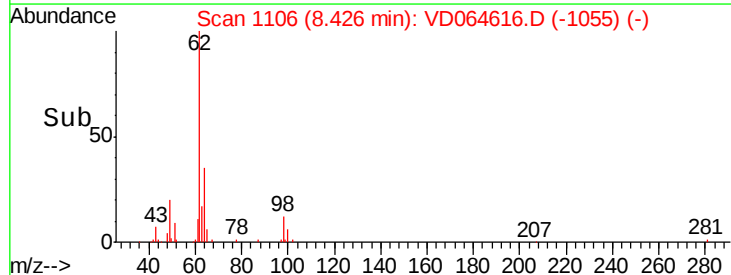
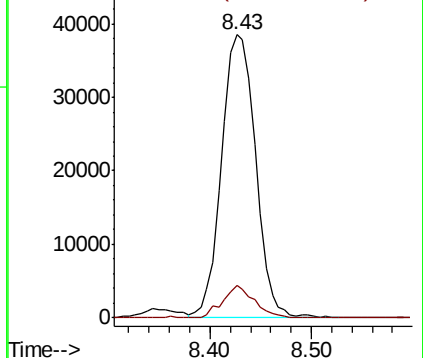


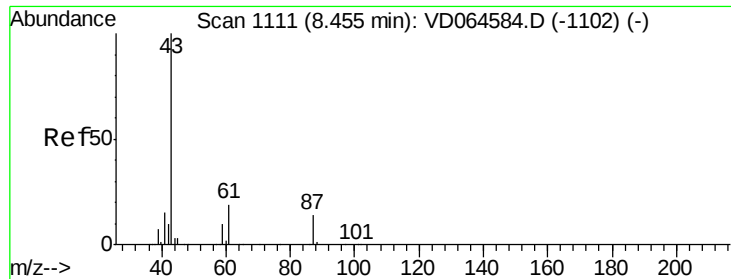
#42
1,2-Dichloroethane
Concen: 20.704 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 62 Resp: 89818
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.0



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



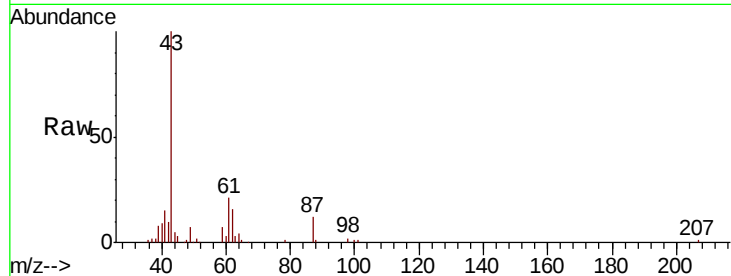


#43

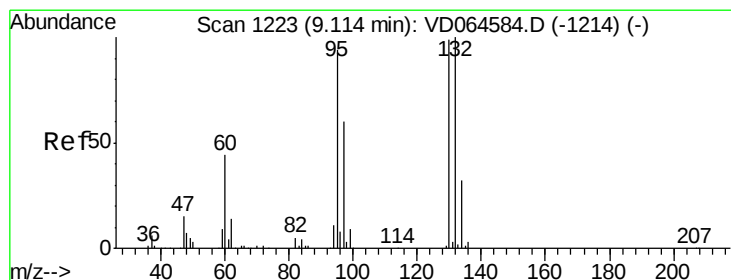
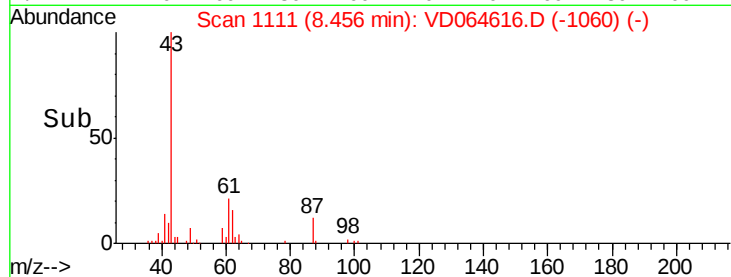
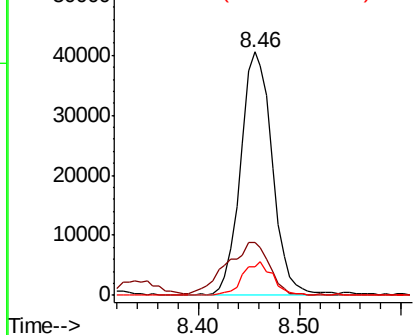
Isopropyl Acetate
 Concen: 20.526 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 88261
 Ion Ratio Lower Upper
 43 100
 61 29.6 23.7 35.5
 87 13.1 10.5 15.7



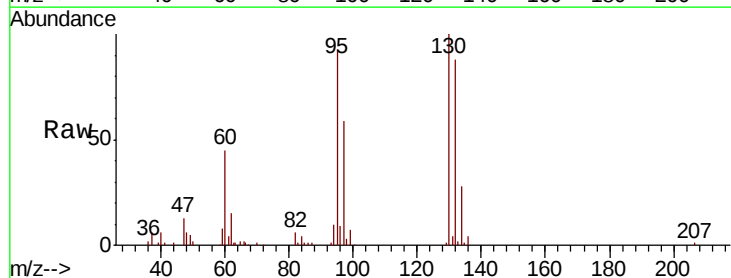
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



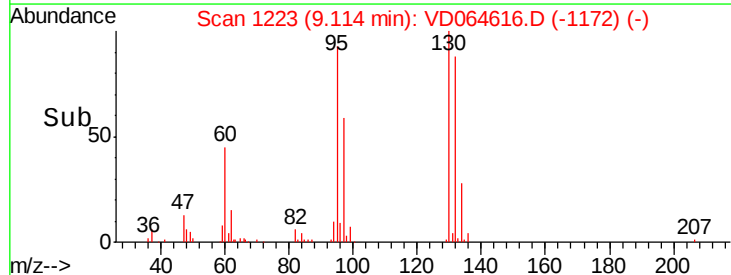
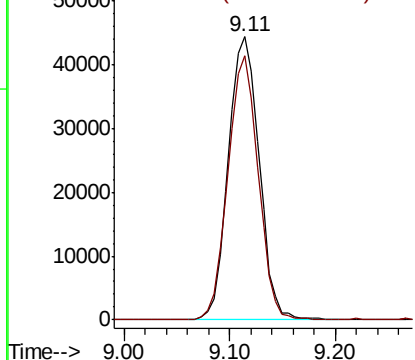
#44

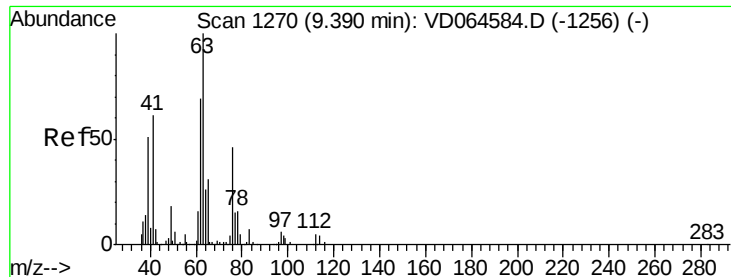
Trichloroethene
 Concen: 20.292 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 130 Resp: 89489
 Ion Ratio Lower Upper
 130 100
 95 93.3 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

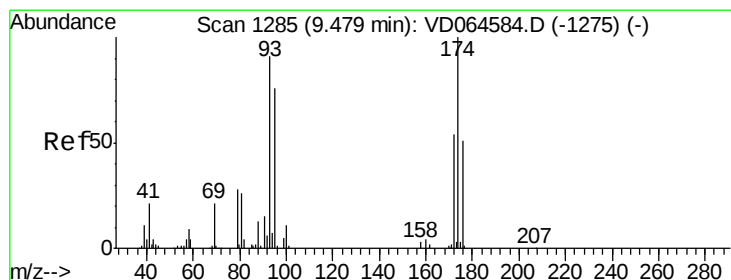
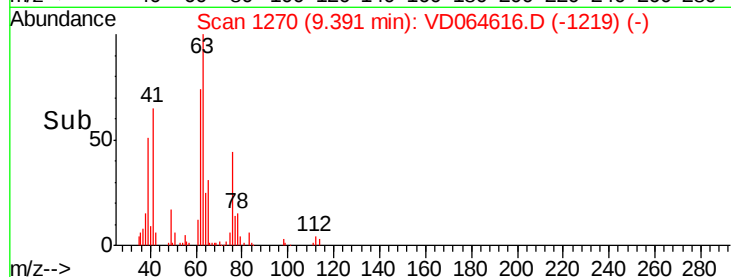
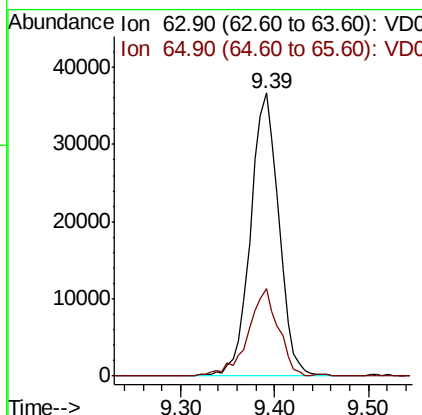
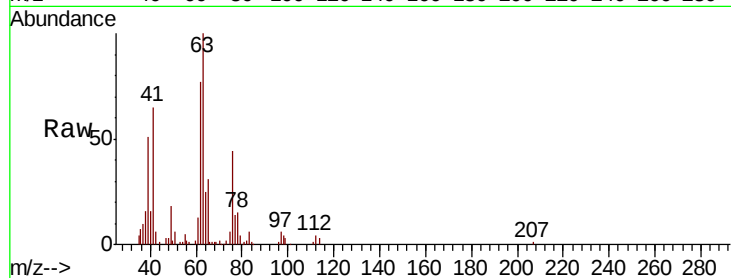




#45
 1,2-Dichloropropane
 Concen: 21.294 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

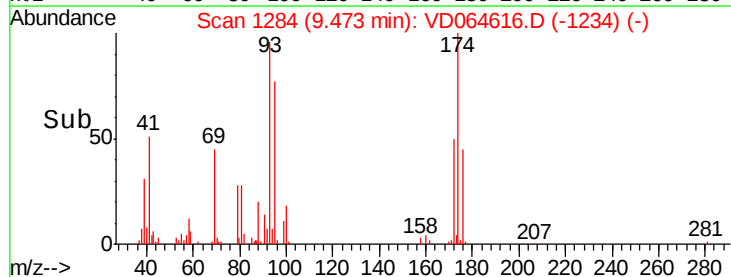
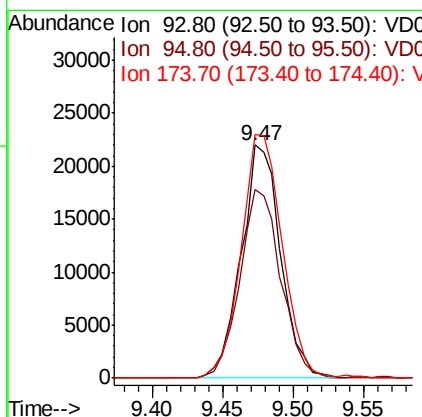
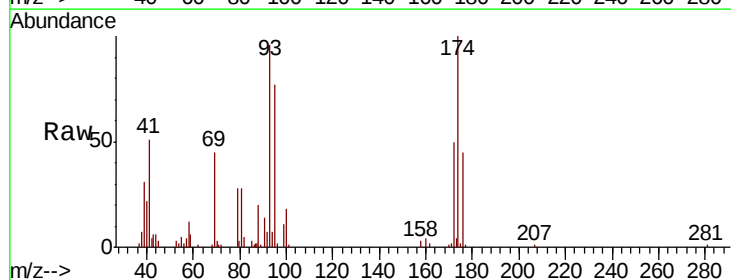
Instrument :
 MSVOA_D
 ClientSampleId :

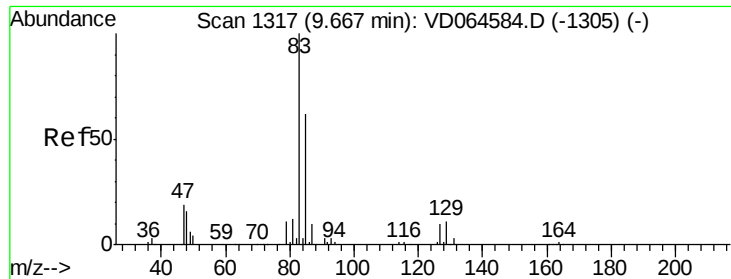
Tot Ion: 63 Resp: 76326
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8



#46
 Dibromomethane
 Concen: 21.565 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 93 Resp: 43095
 Ion Ratio Lower Upper
 93 100
 95 83.6 64.6 97.0
 174 108.6 88.1 132.1





#47

Bromodichloromethane

Concen: 21.357 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

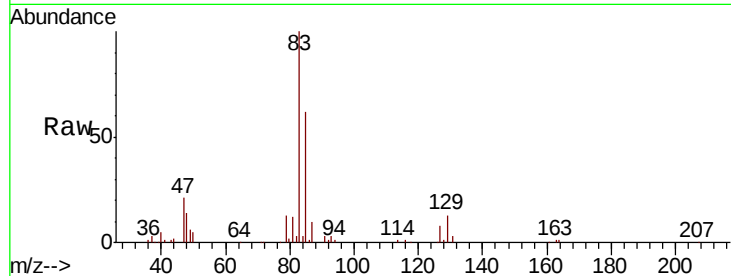
Tot Ion: 83 Resp: 113570

Ion Ratio Lower Upper

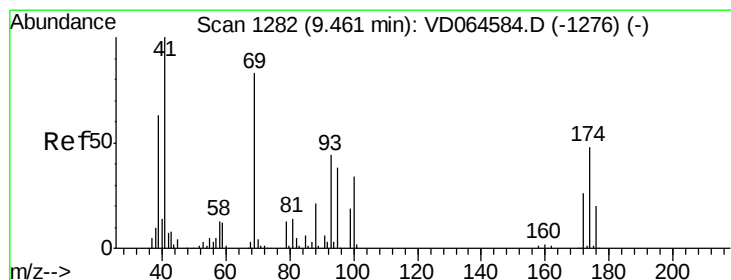
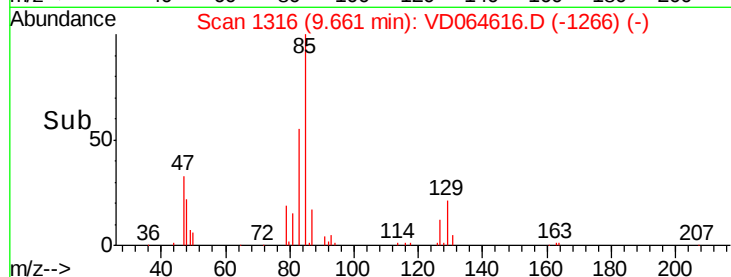
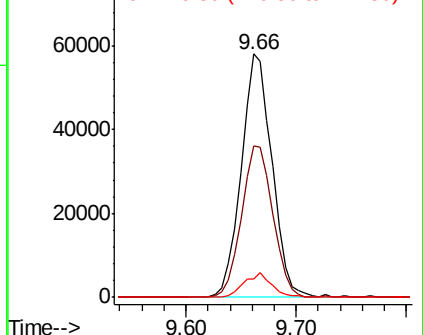
83 100

85 62.4 49.5 74.3

127 7.5 7.8 11.6#



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



#48

Methyl methacrylate

Concen: 19.653 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

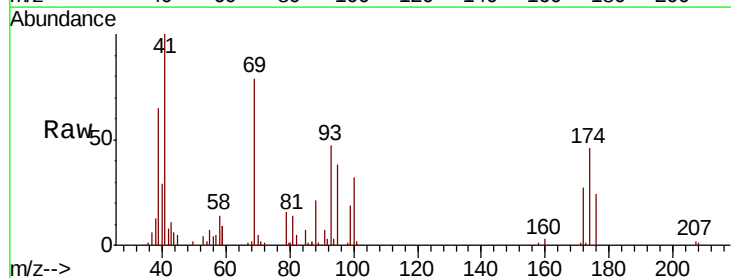
Tgt Ion: 41 Resp: 39791

Ion Ratio Lower Upper

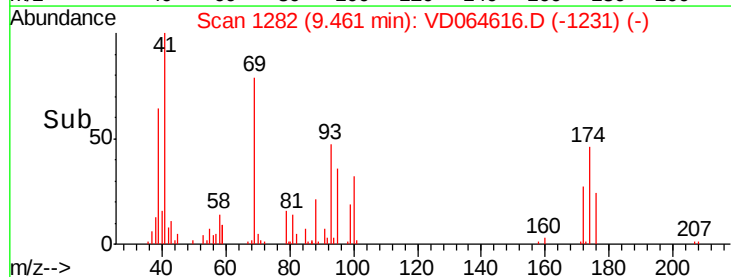
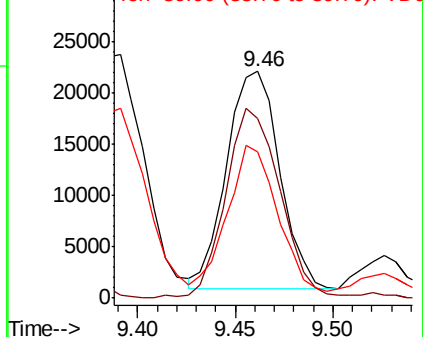
41 100

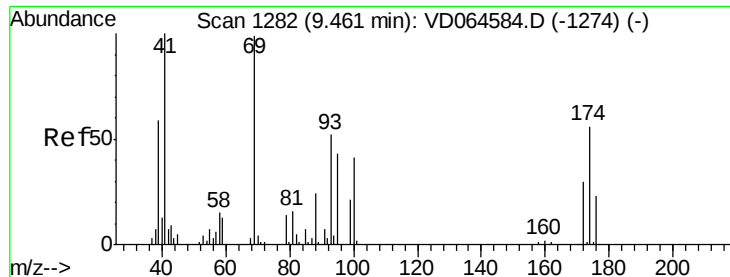
69 90.6 63.0 94.6

39 68.9 47.4 71.2



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





#49

1,4-Dioxane

Concen: 437.879 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

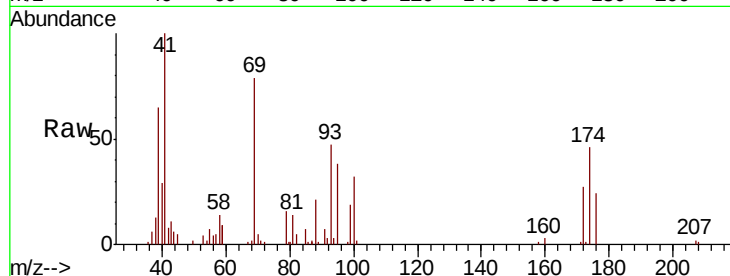
Tot Ion: 88 Resp: 10090

Ion Ratio Lower Upper

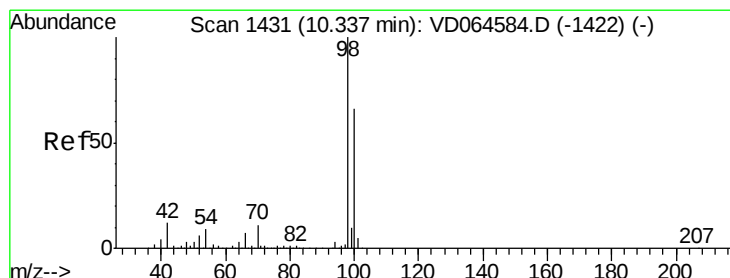
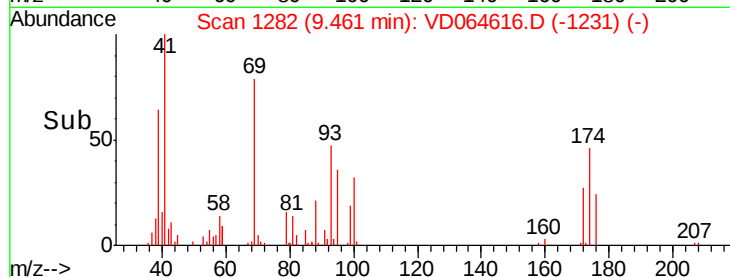
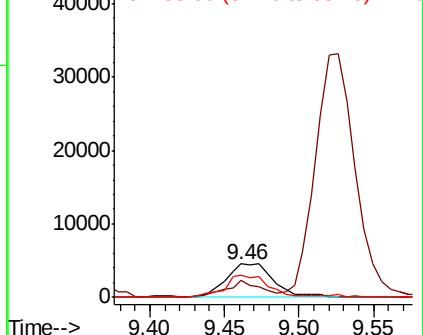
88 100

43 37.6 27.7 41.5

58 60.2 53.8 80.6



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



#50

Toluene-d8

Concen: 55.005 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064616.D

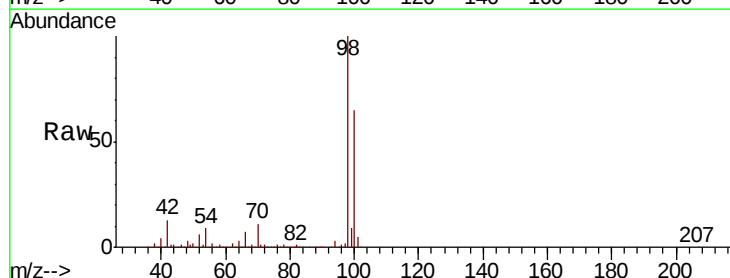
Acq: 27 Dec 2019 00:37

Tgt Ion: 98 Resp: 738434

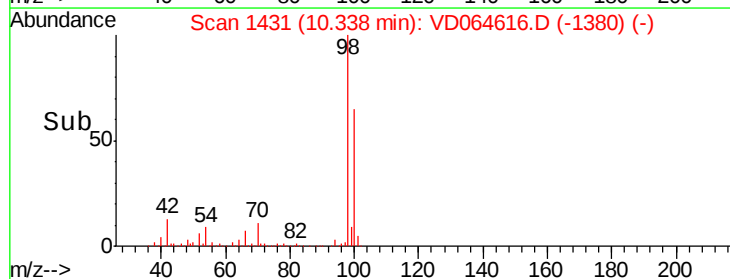
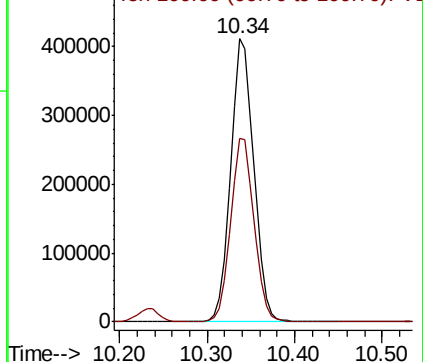
Ion Ratio Lower Upper

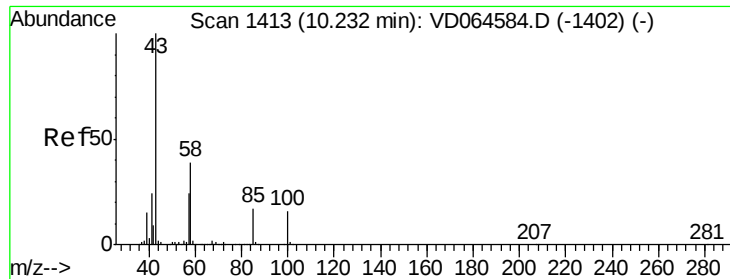
98 100

100 65.6 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 101.994 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

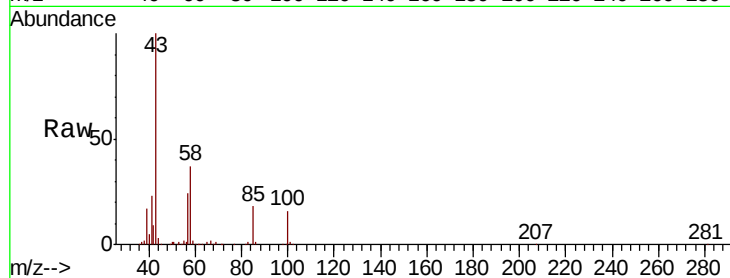
ClientSampleId :

Tot Ion: 43 Resp: 216780

Ion Ratio Lower Upper

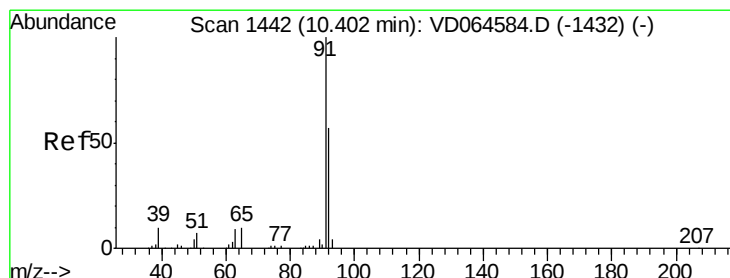
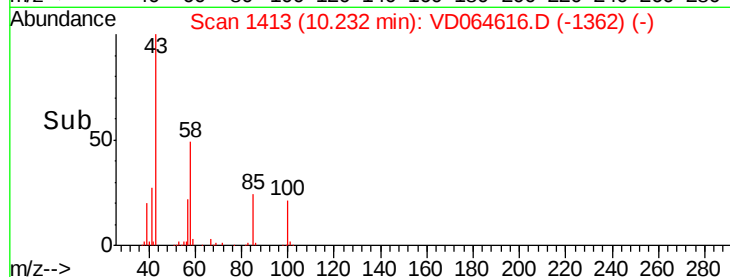
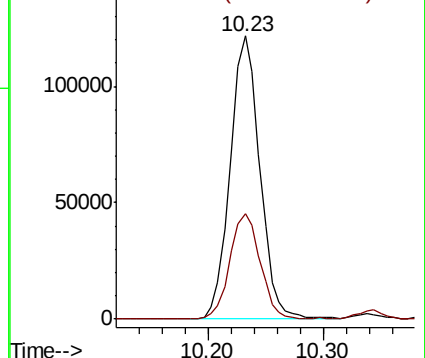
43 100

58 38.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.046 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064616.D

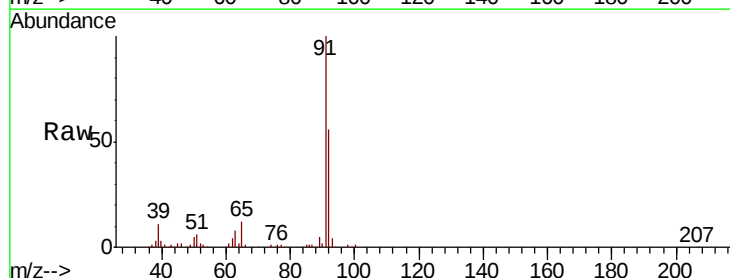
Acq: 27 Dec 2019 00:37

Tgt Ion: 92 Resp: 197439

Ion Ratio Lower Upper

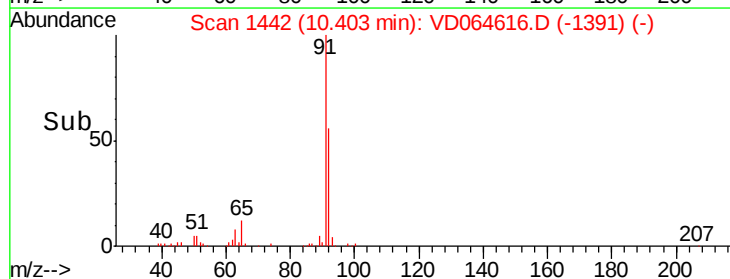
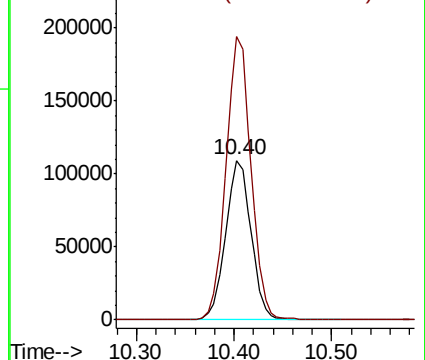
92 100

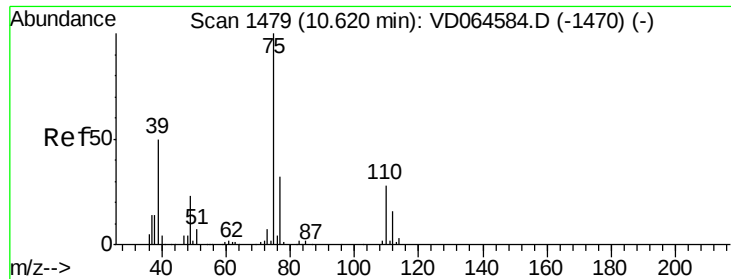
91 174.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.986 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

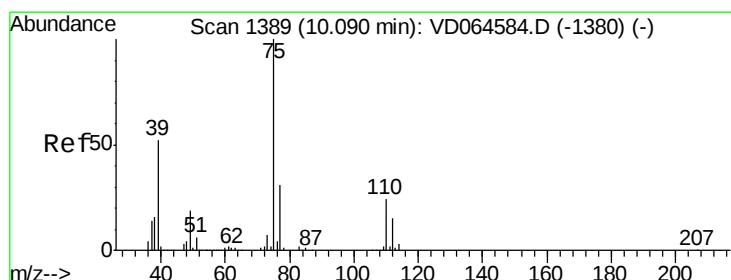
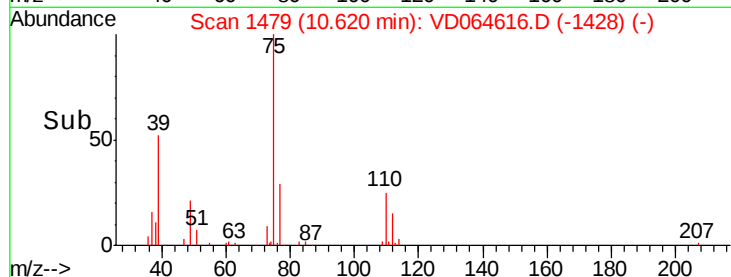
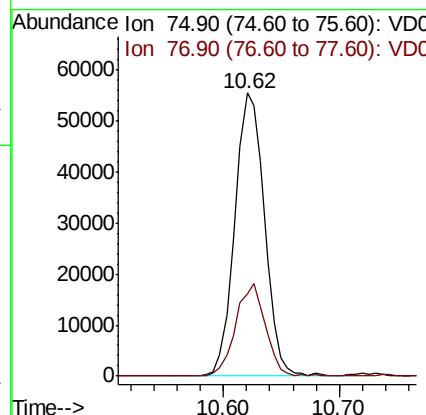
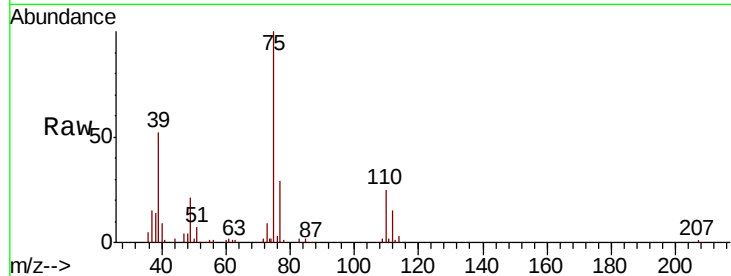
ClientSampleId :

Tot Ion: 75 Resp: 99086

Ion Ratio Lower Upper

75 100

77 29.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.456 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

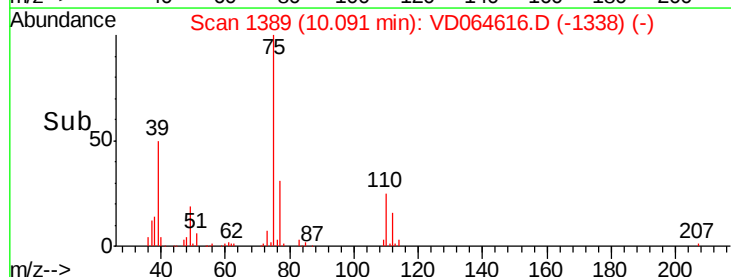
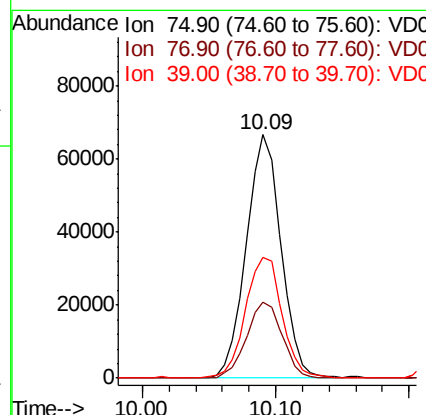
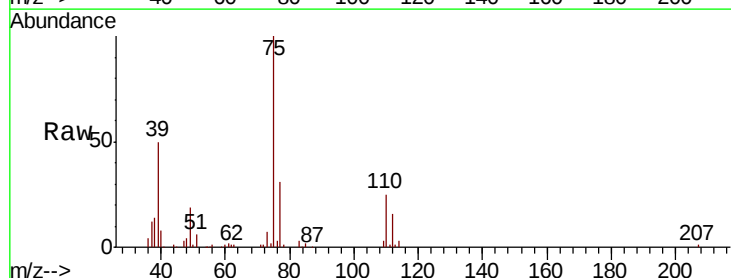
Tgt Ion: 75 Resp: 119586

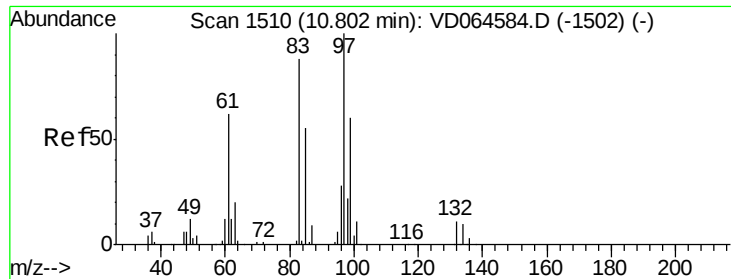
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 49.5 41.4 62.2

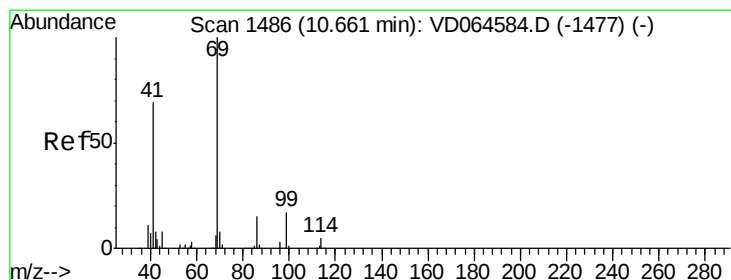
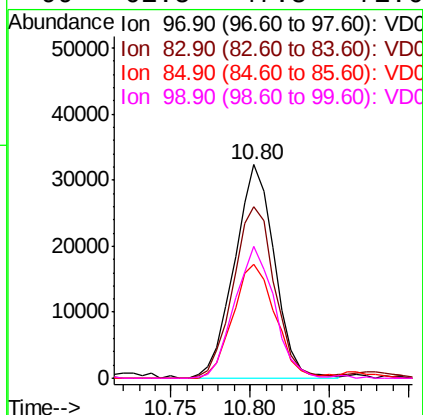
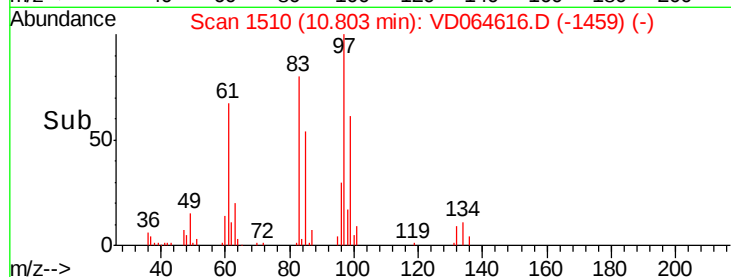
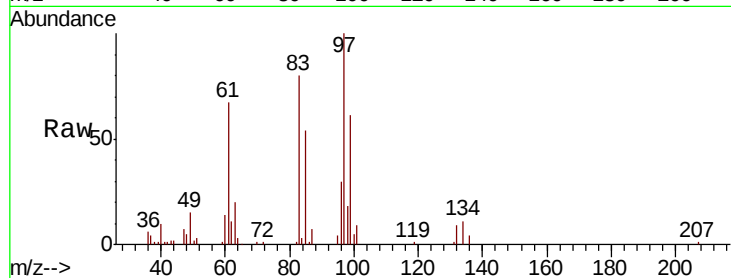




#55
 1,1,2-Trichloroethane
 Concen: 21.161 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

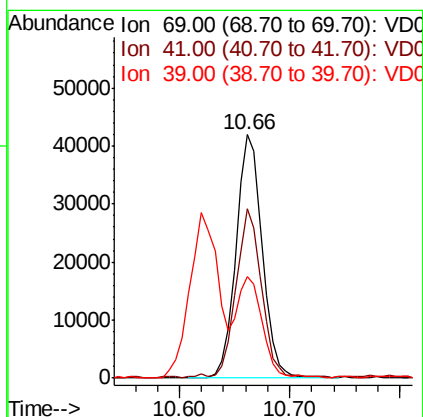
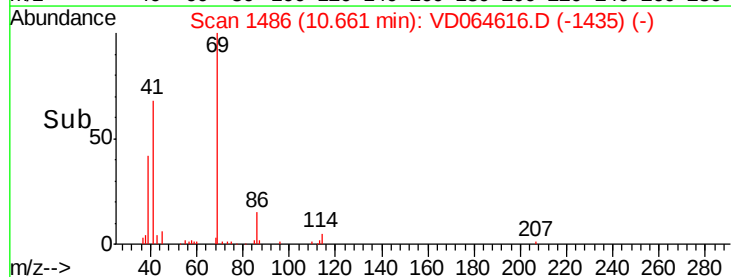
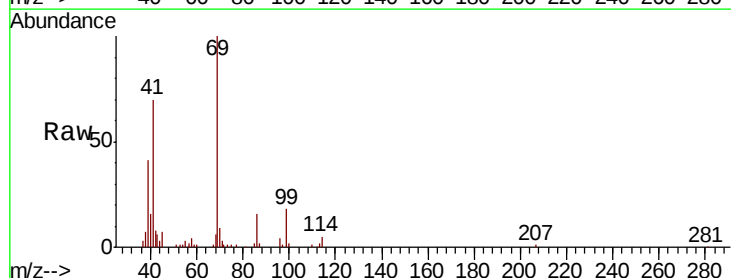
Instrument :
 MSVOA_D
 ClientSampleId :

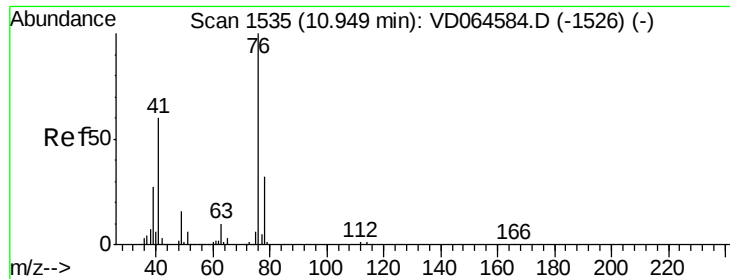
Tot Ion:	97	Resp:	56990
Ion	Ratio	Lower	Upper
97	100		
83	80.3	70.2	105.4
85	53.6	44.0	66.0
99	61.5	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 20.822 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion:	69	Resp:	70035
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.3	82.9
39	41.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 21.095 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

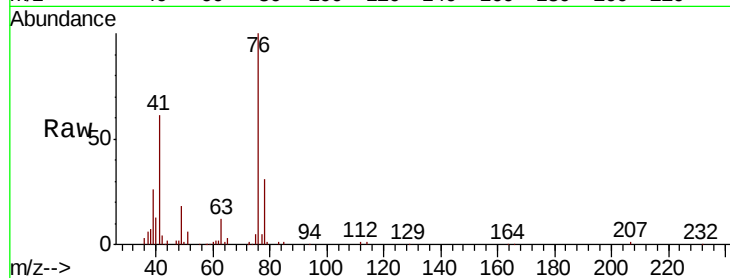
ClientSampleId :

Tot Ion: 76 Resp: 97820

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

60000

50000

40000

30000

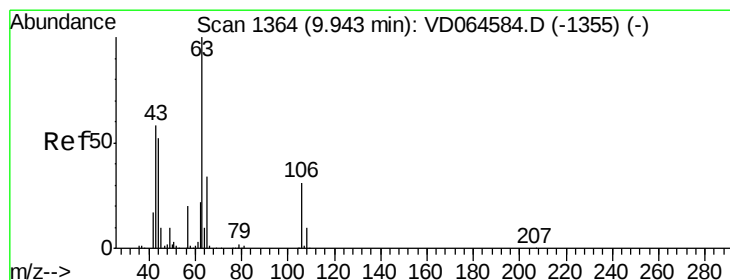
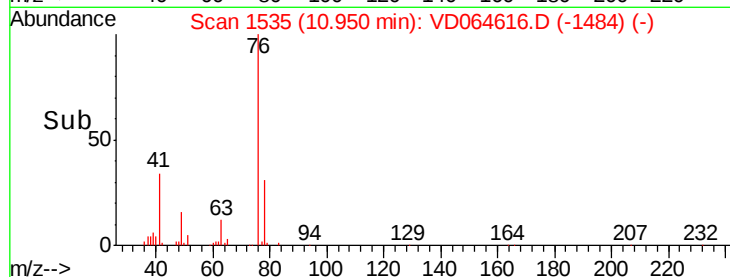
20000

10000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 110.352 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064616.D

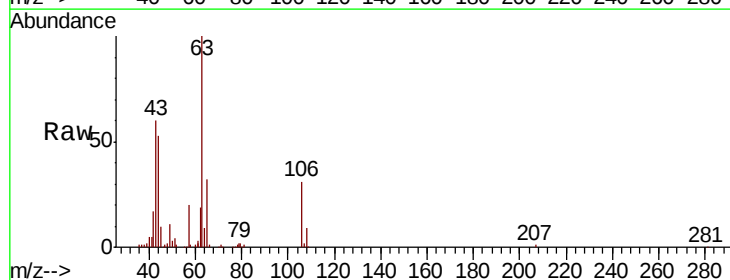
Acq: 27 Dec 2019 00:37

Tgt Ion: 63 Resp: 141410

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

80000

60000

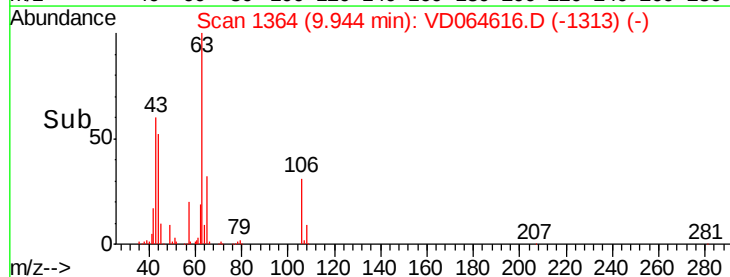
40000

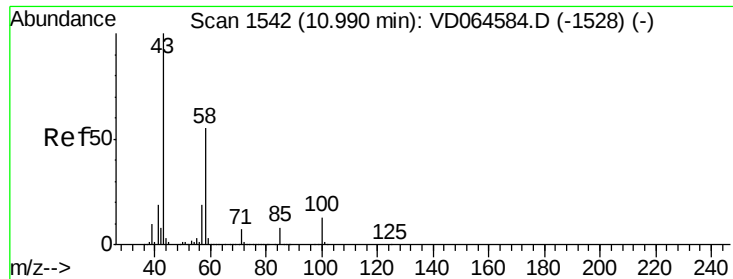
20000

0

Time-->

9.90 10.00

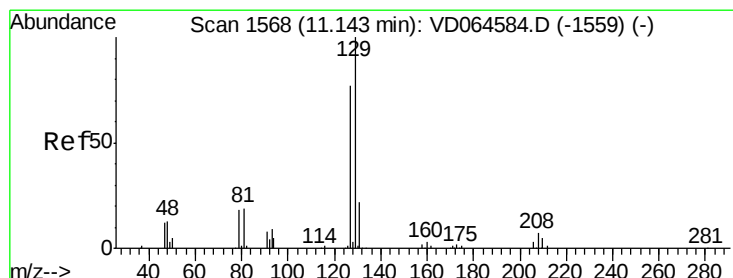
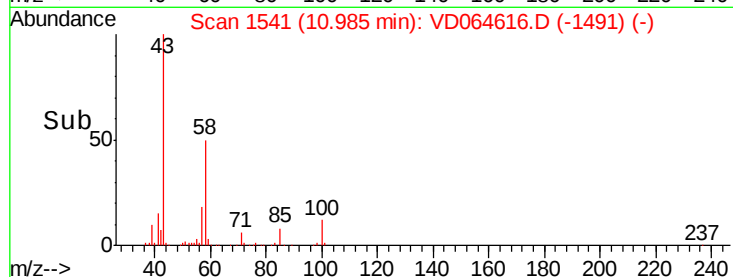
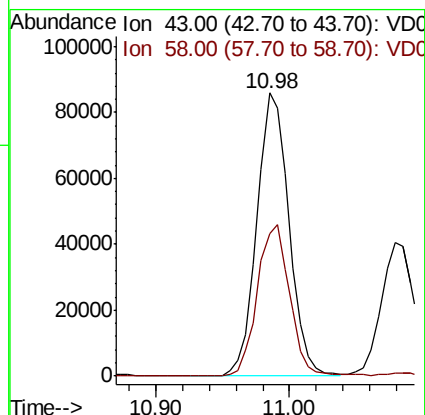
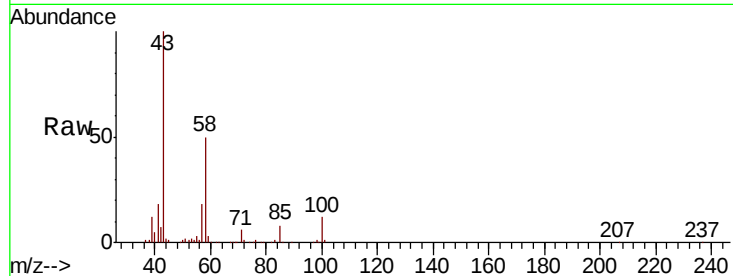




#59
2-Hexanone
Concen: 98.885 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

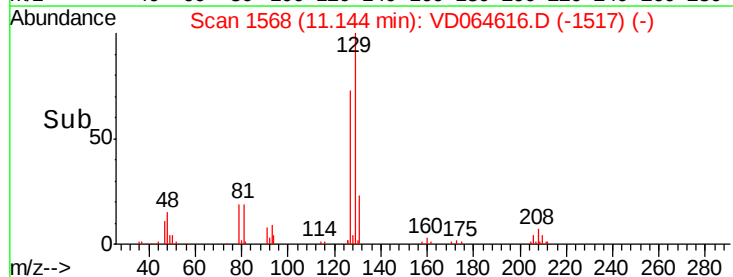
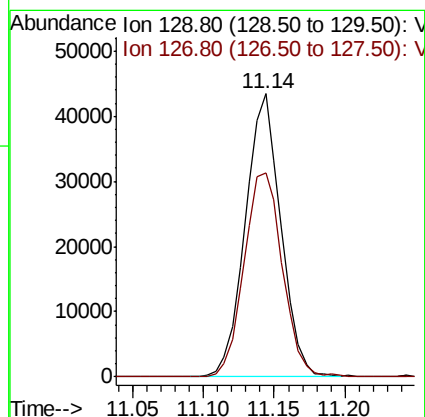
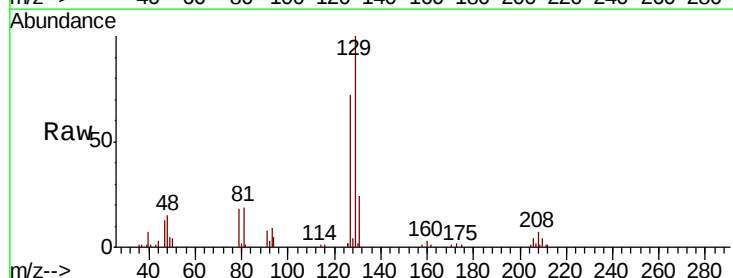
Instrument :
MSVOA_D
ClientSampleId :

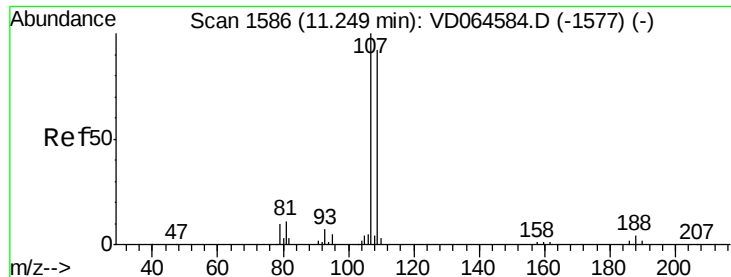
Tot Ion: 43 Resp: 142647
Ion Ratio Lower Upper
43 100
58 53.4 26.4 79.0



#60
Dibromochloromethane
Concen: 20.574 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 129 Resp: 76625
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2

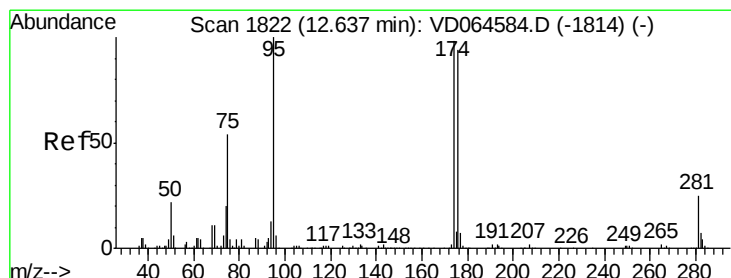
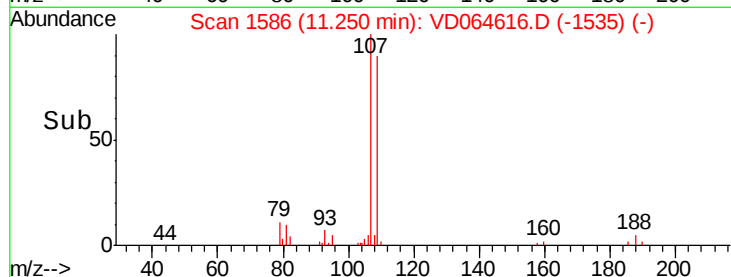
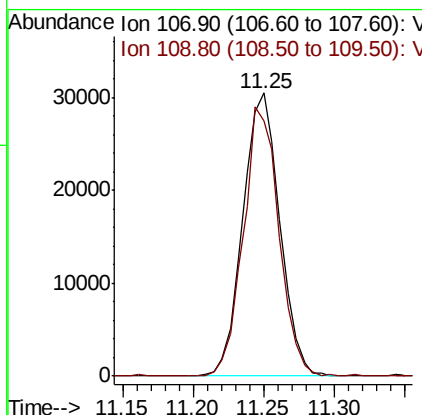
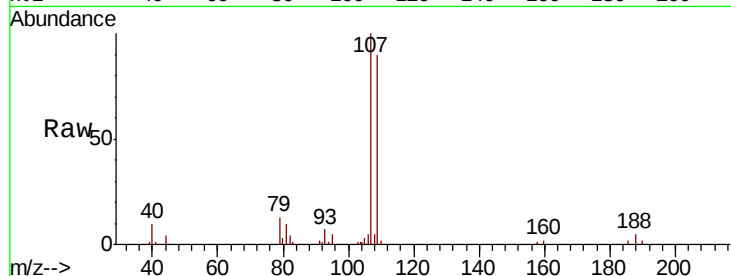




#61
 1,2-Dibromoethane
 Concen: 21.035 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

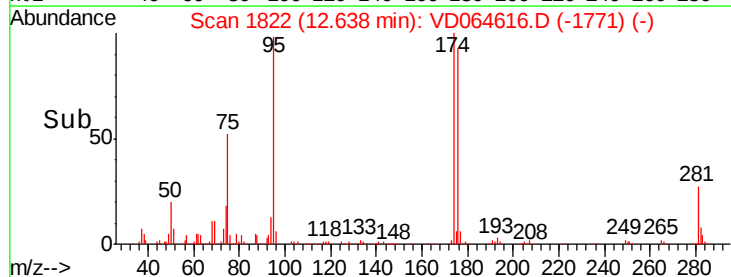
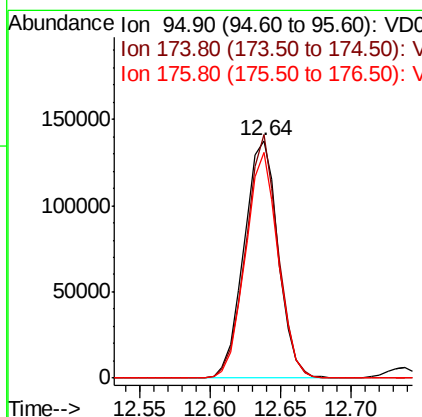
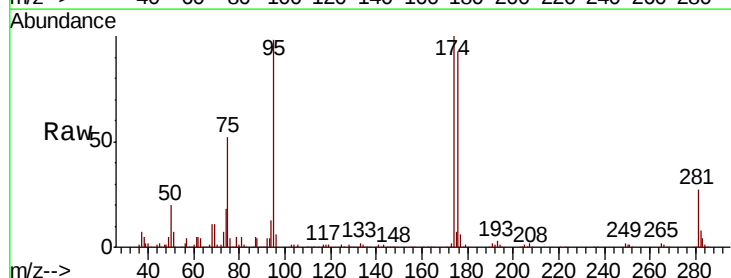
Instrument :
 MSVOA_D
 ClientSampleId :

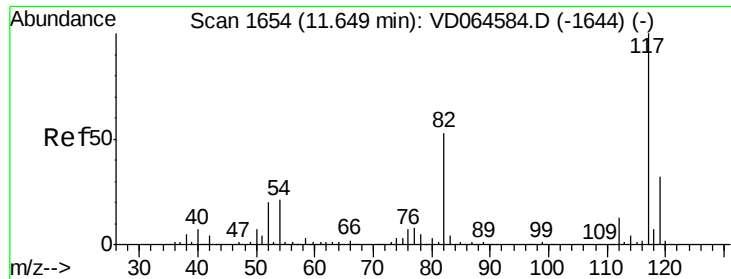
Tot Ion:107 Resp: 55875
 Ion Ratio Lower Upper
 107 100
 109 91.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.967 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 95 Resp: 233343
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 193.2
 176 91.4 0.0 184.2

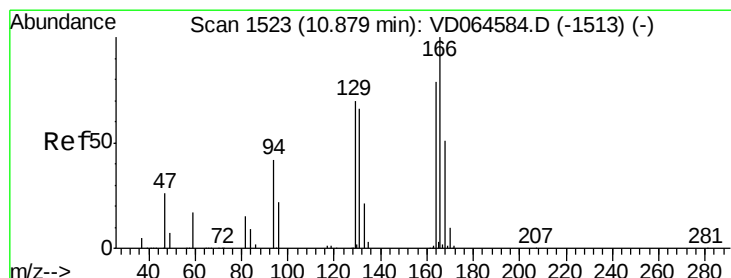
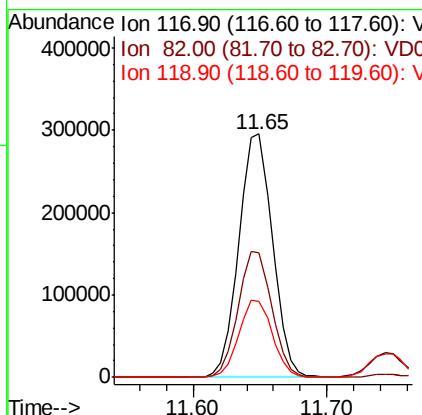
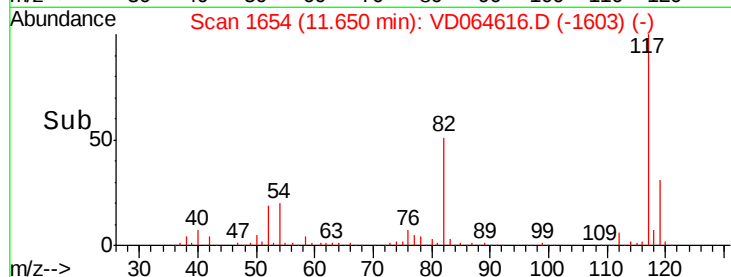
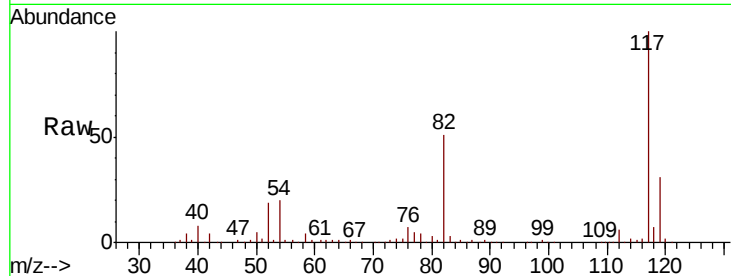




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

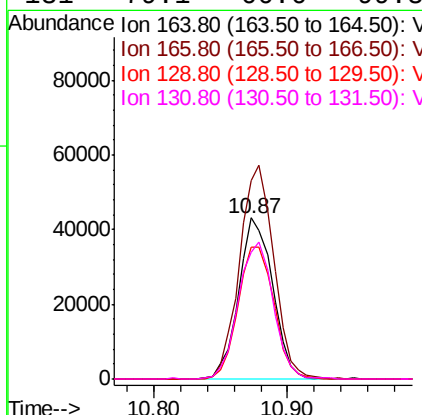
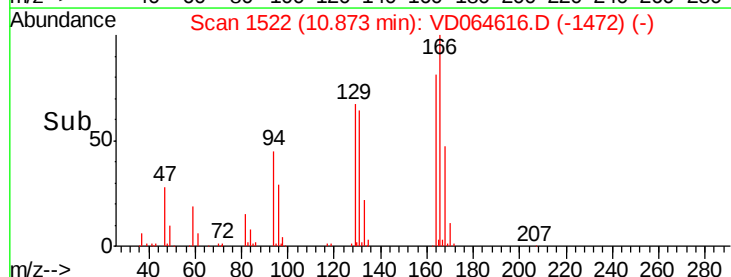
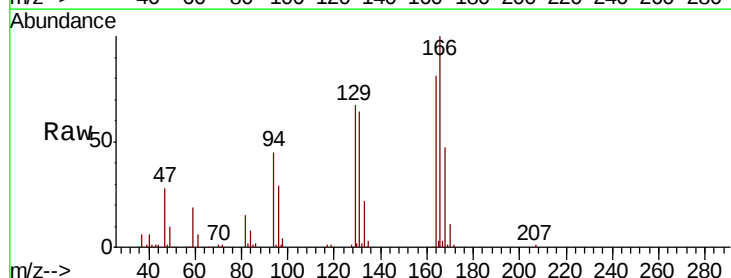
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 517716
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.4
119 31.3 26.0 39.0



#64
Tetrachloroethene
Concen: 19.194 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion:164 Resp: 76234
Ion Ratio Lower Upper
164 100
166 123.1 101.3 151.9
129 82.2 70.5 105.7
131 79.1 66.6 99.8

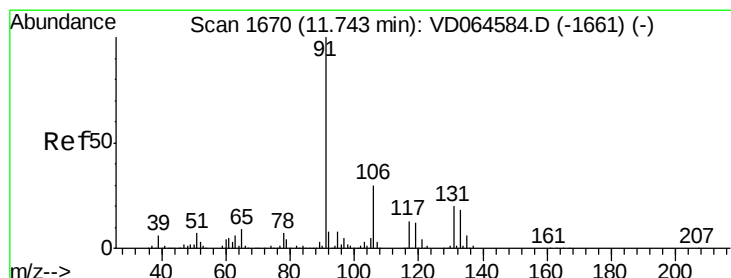
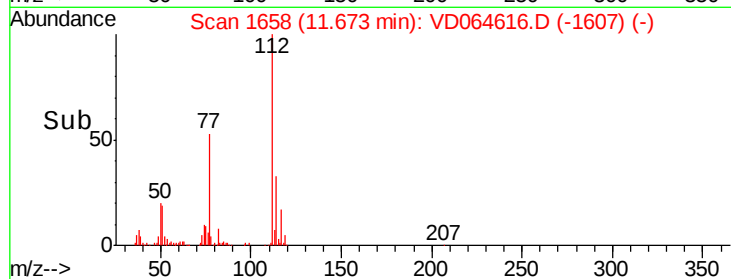
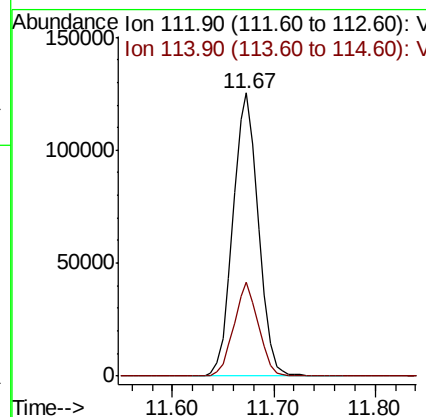
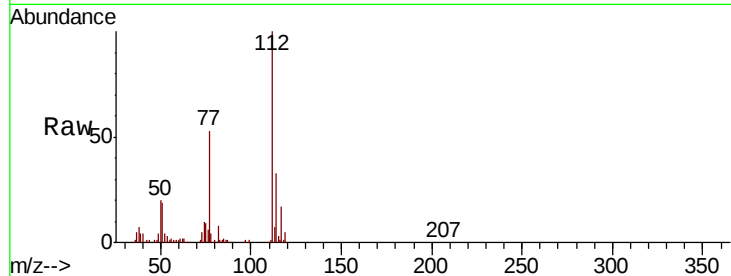




#65
Chlorobenzene
Concen: 20.214 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

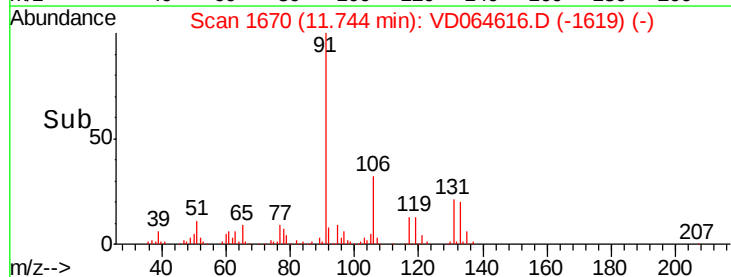
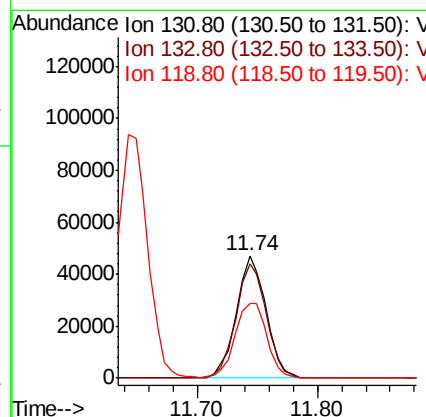
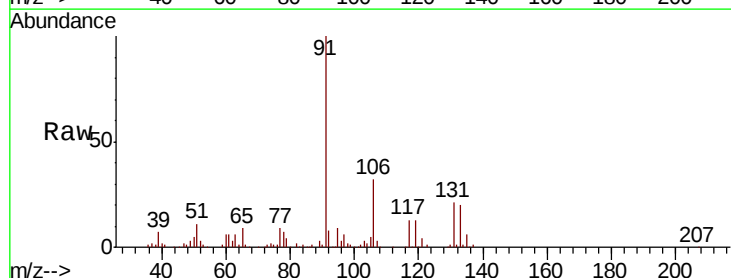
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 217198
Ion Ratio Lower Upper
112 100
114 33.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.933 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion:131 Resp: 80745
Ion Ratio Lower Upper
131 100
133 95.7 48.3 144.8
119 66.0 32.1 96.3





#67

Ethyl Benzene

Concen: 19.319 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

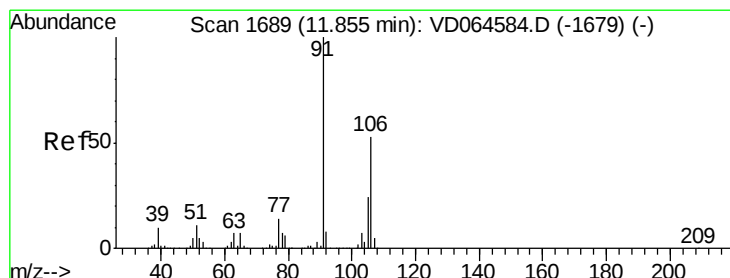
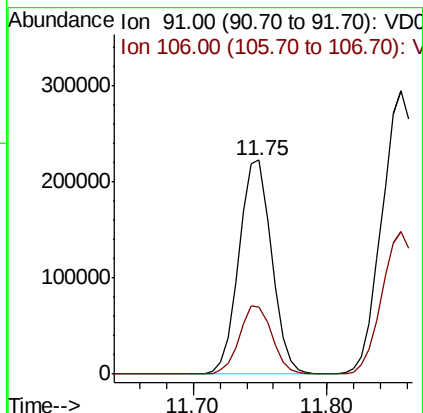
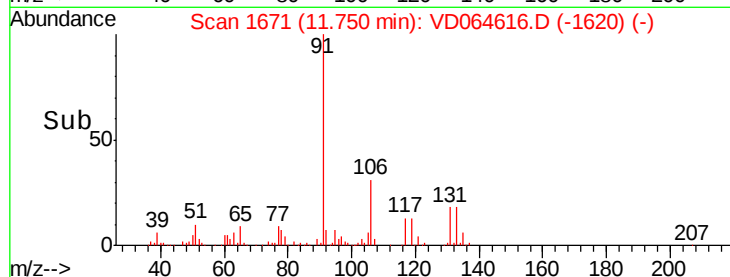
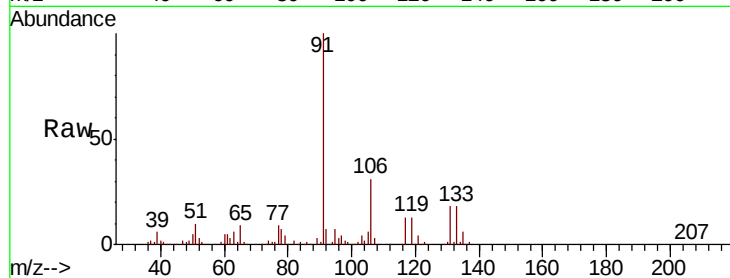
ClientSampleId :

Tot Ion: 91 Resp: 376788

Ion Ratio Lower Upper

91 100

106 31.1 24.6 36.8



#68

m/p-Xylenes

Concen: 38.000 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064616.D

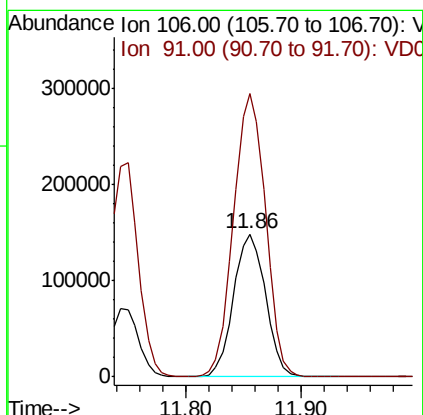
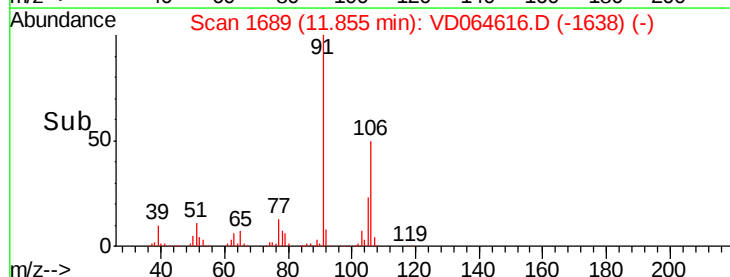
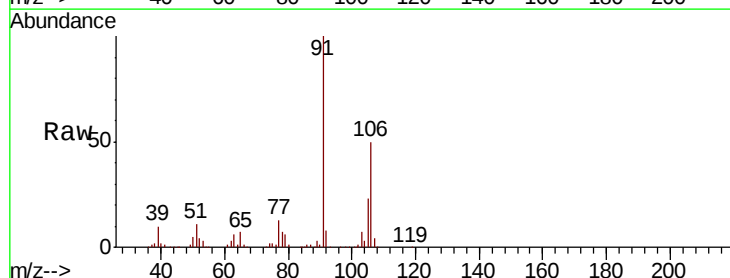
Acq: 27 Dec 2019 00:37

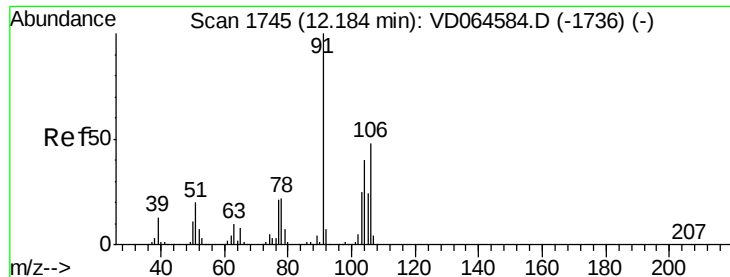
Tgt Ion: 106 Resp: 286054

Ion Ratio Lower Upper

106 100

91 198.1 156.3 234.5

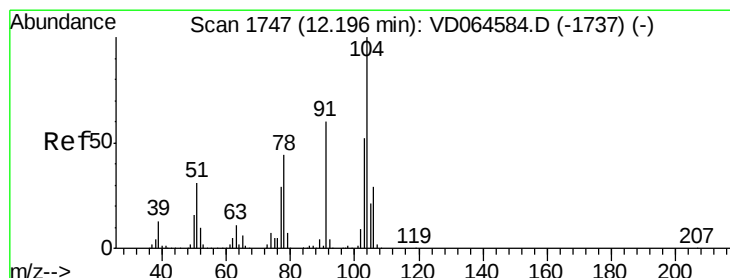
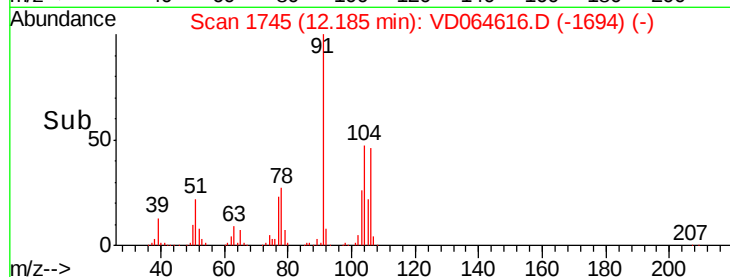
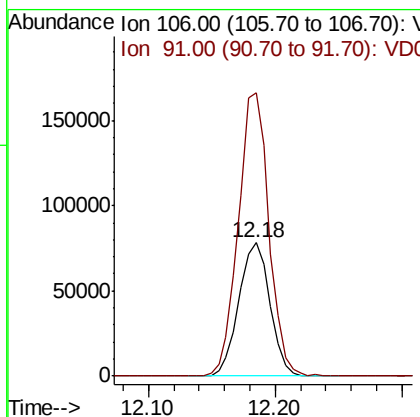
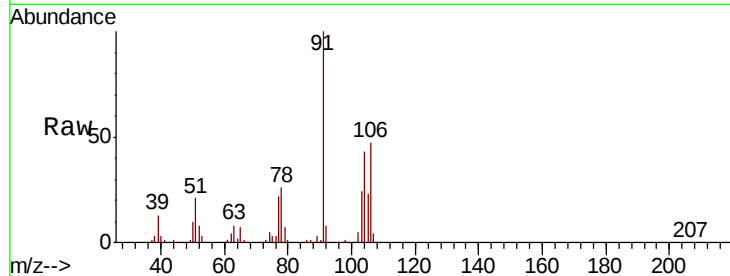




#69
o-Xylene
Concen: 19.603 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

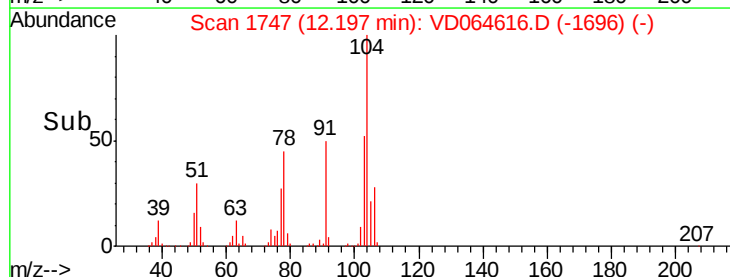
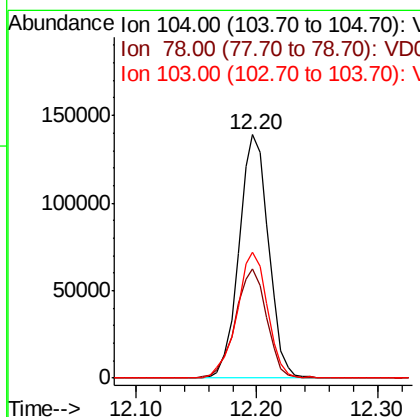
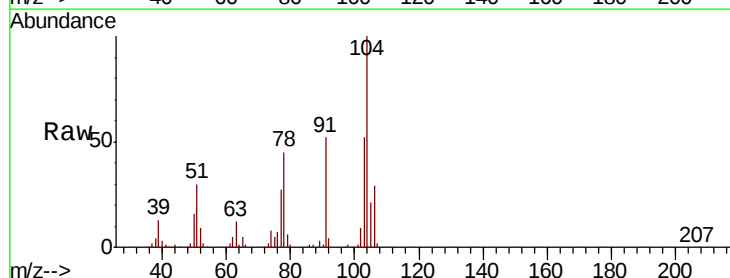
Instrument :
MSVOA_D
ClientSampled :

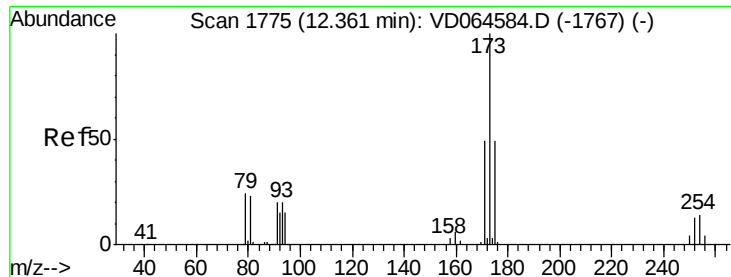
Tot Ion:106 Resp: 133291
Ion Ratio Lower Upper
106 100
91 208.1 104.8 314.4



#70
Styrene
Concen: 19.832 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion:104 Resp: 236699
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 53.8 44.6 67.0





#71

Bromoform

Concen: 20.020 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

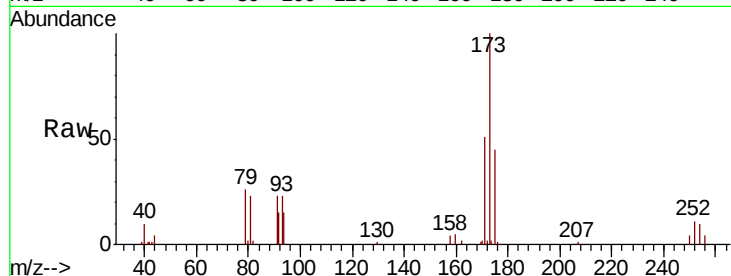
Tot Ion:173 Resp: 46246

Ion Ratio Lower Upper

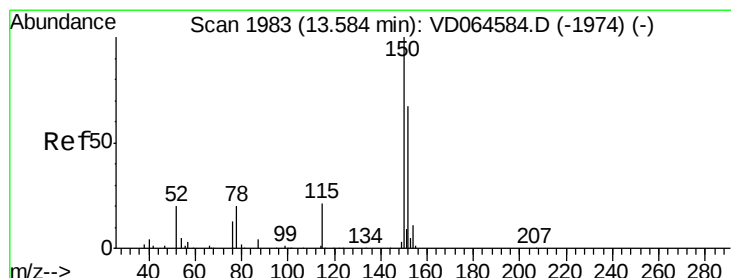
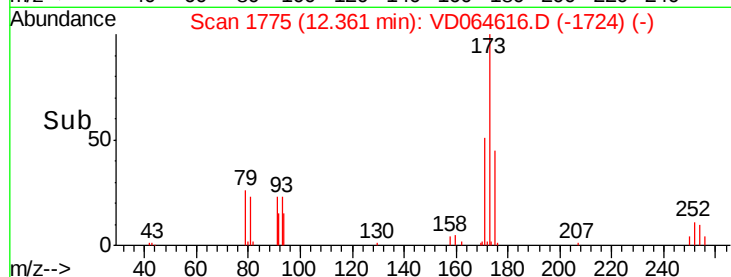
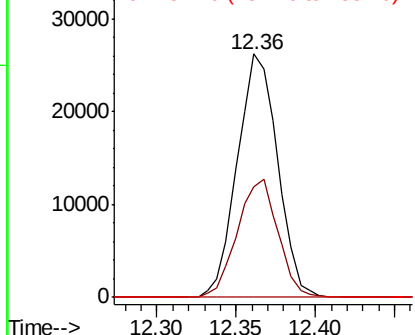
173 100

175 48.8 24.6 73.8

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# 1982

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

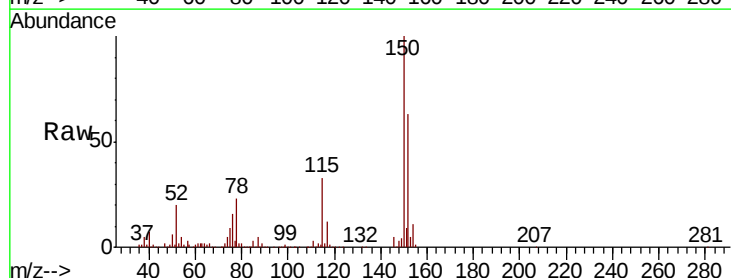
Tgt Ion:152 Resp: 247613

Ion Ratio Lower Upper

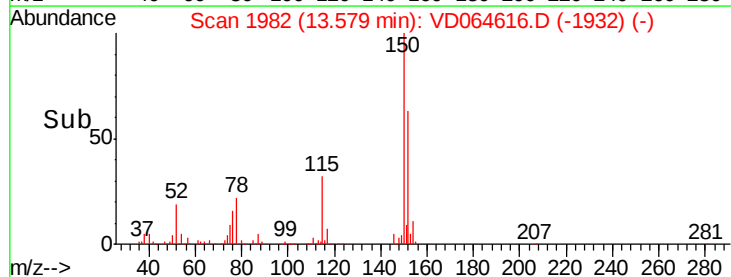
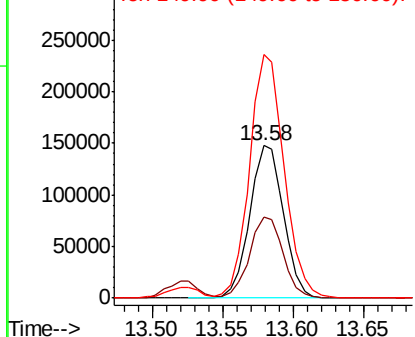
152 100

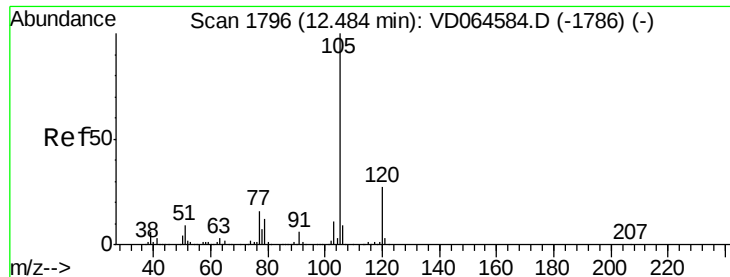
115 53.0 27.8 83.4

150 164.0 0.0 351.4



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





#73

Isopropylbenzene

Concen: 19.854 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

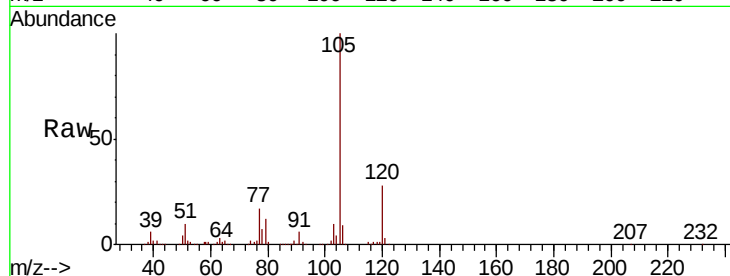
ClientSampleId :

Tot Ion: 105 Resp: 351321

Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

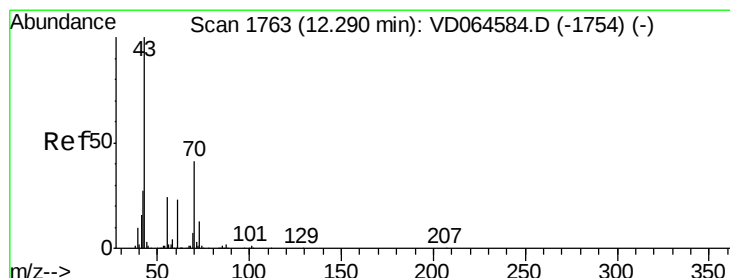
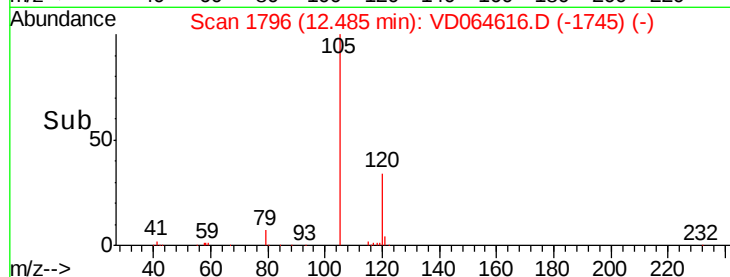
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 19.920 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Tgt Ion: 43 Resp: 75349

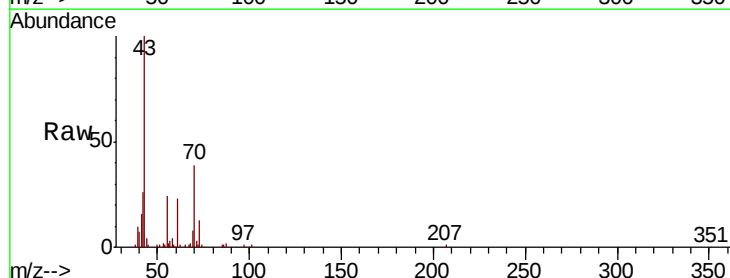
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 26.3 19.4 29.0

61 22.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

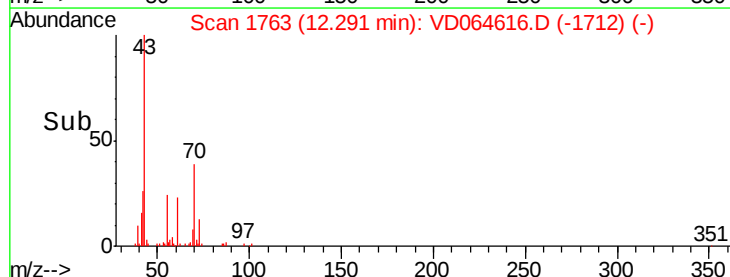
40000

20000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.080 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

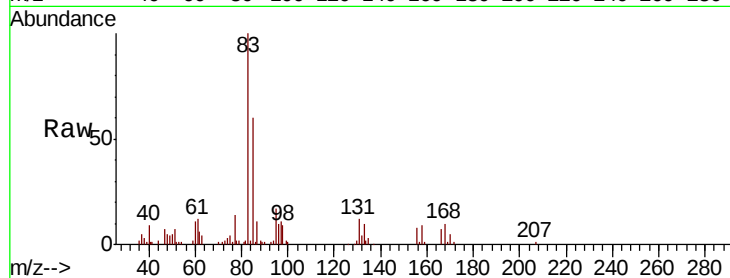
Tot Ion: 83 Resp: 58596

Ion Ratio Lower Upper

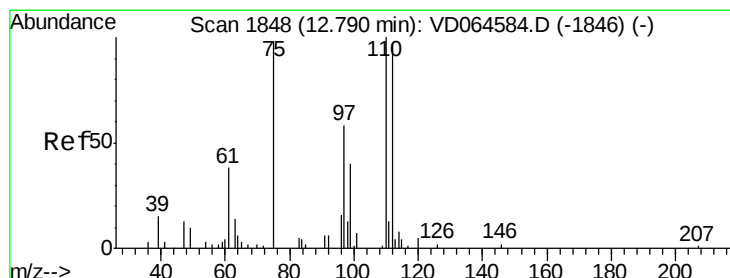
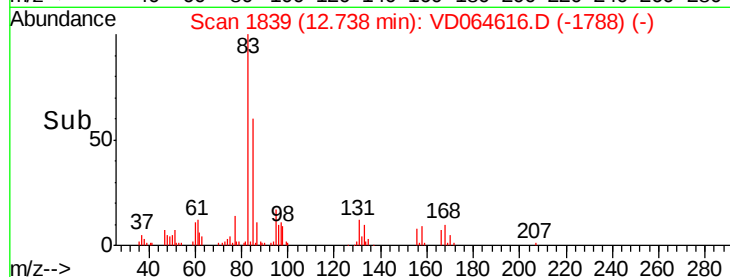
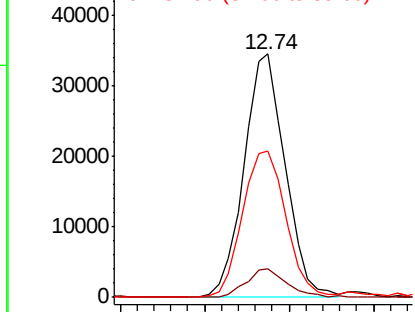
83 100

131 11.7 5.8 17.4

85 63.1 32.3 96.9



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: 39.423 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064616.D

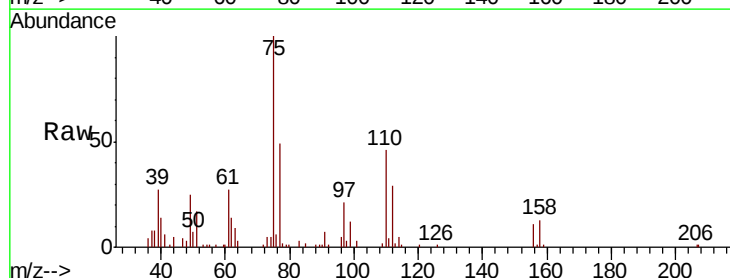
Acq: 27 Dec 2019 00:37

Tgt Ion: 75 Resp: 77084

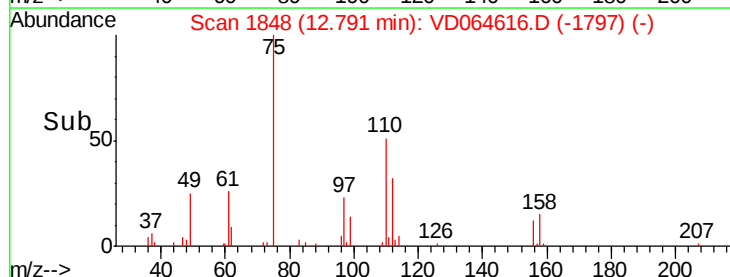
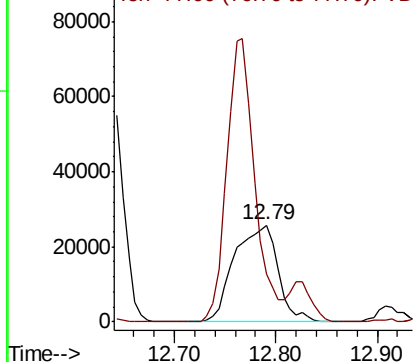
Ion Ratio Lower Upper

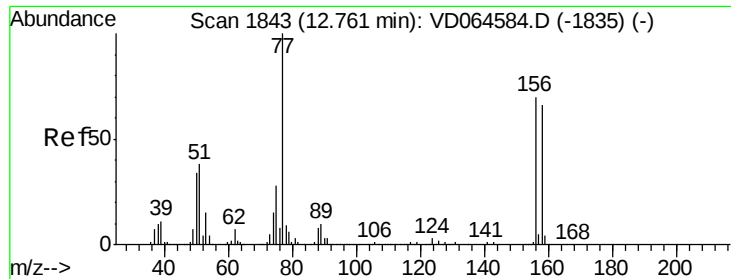
75 100

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: 21.081 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampled :

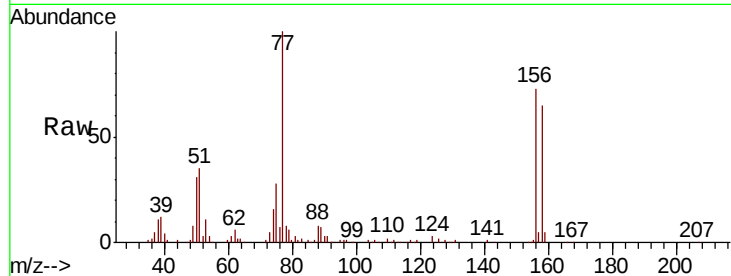
Tot Ion:156 Resp: 91658

Ion Ratio Lower Upper

156 100

77 156.0 80.9 242.7

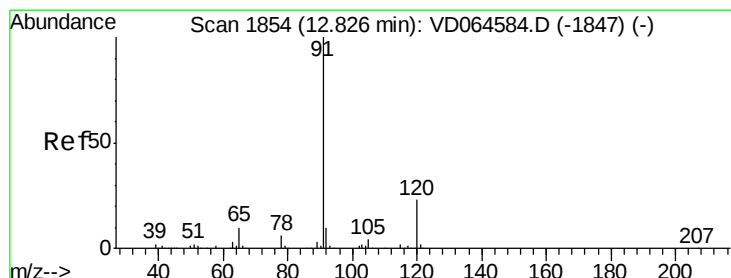
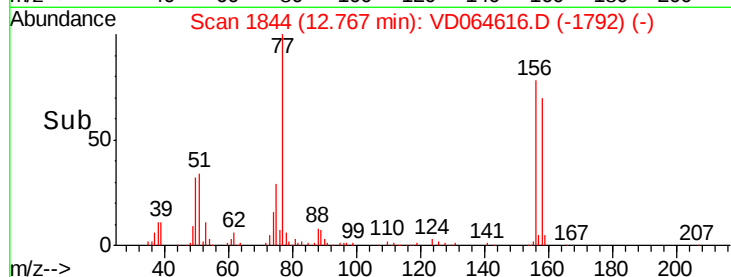
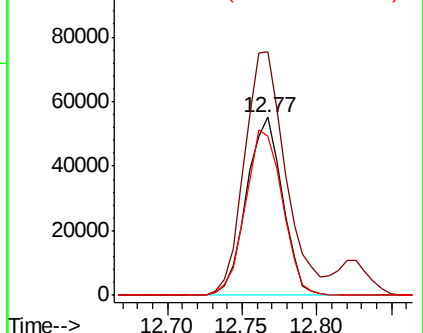
158 95.8 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.926 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064616.D

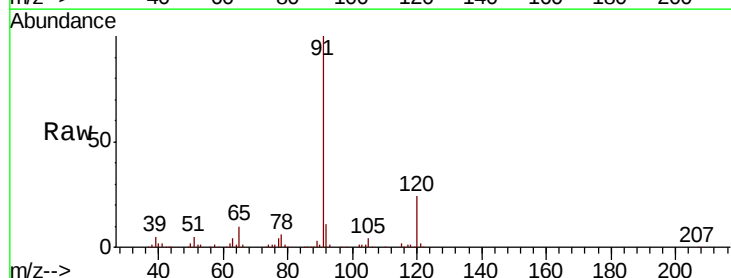
Acq: 27 Dec 2019 00:37

Tgt Ion: 91 Resp: 411337

Ion Ratio Lower Upper

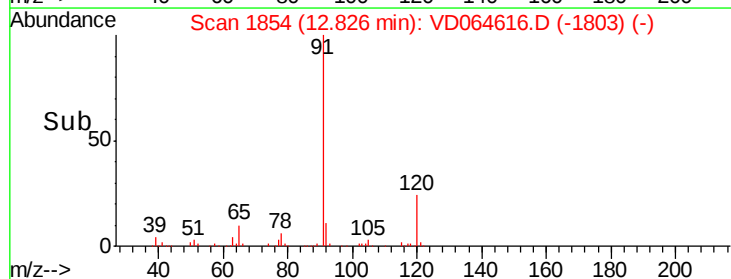
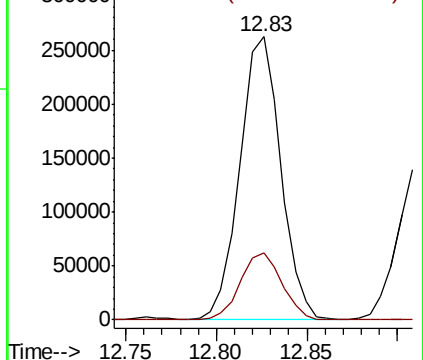
91 100

120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

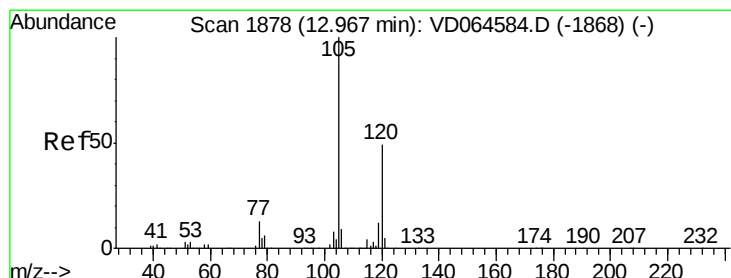
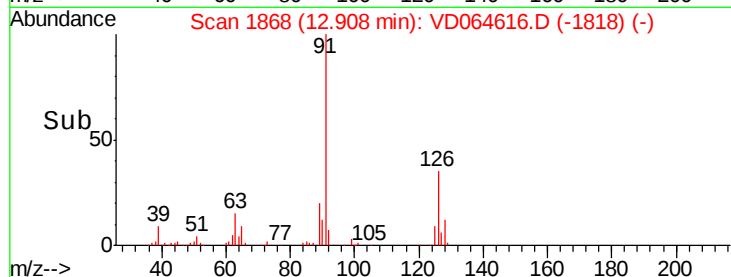
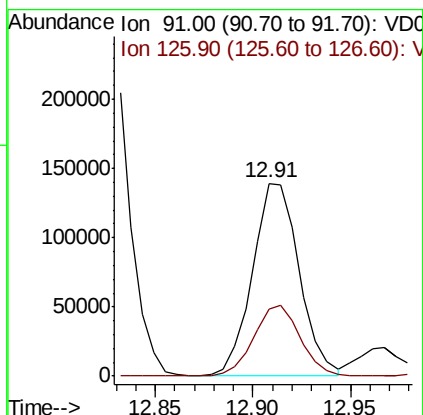
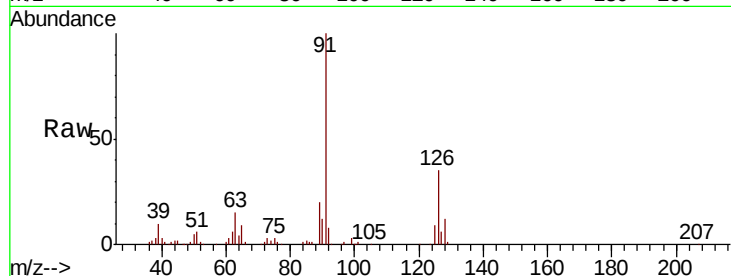




#79
 2-Chlorotoluene
 Concen: 20.340 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

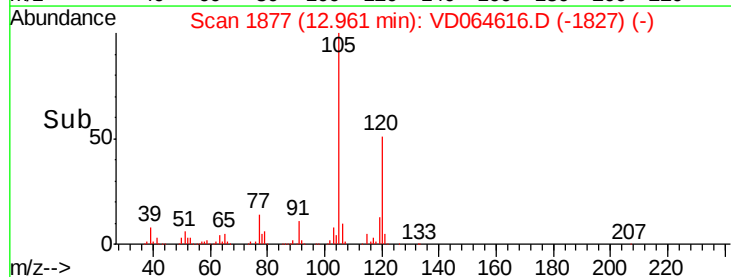
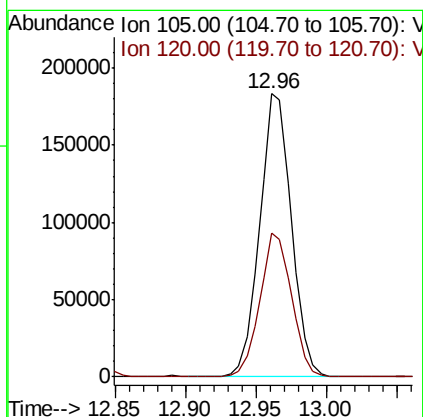
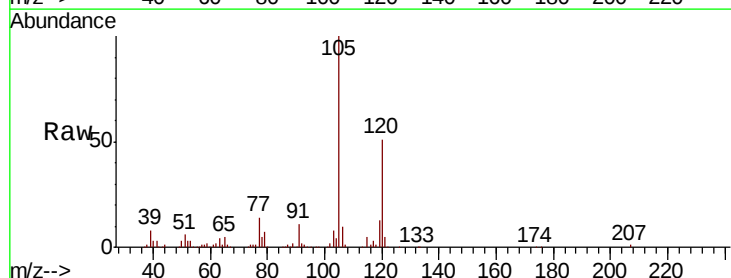
Instrument :
 MSVOA_D
 ClientSampleId :

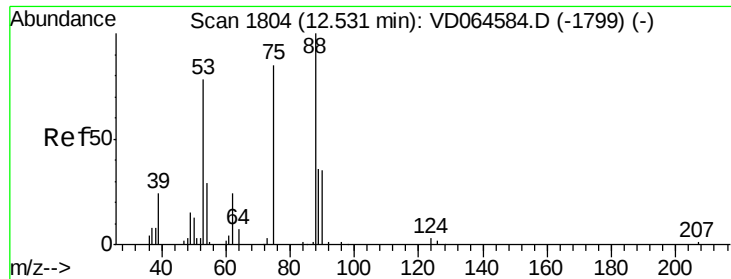
Tot Ion: 91 Resp: 230664
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 19.961 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion: 105 Resp: 290150
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.667 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

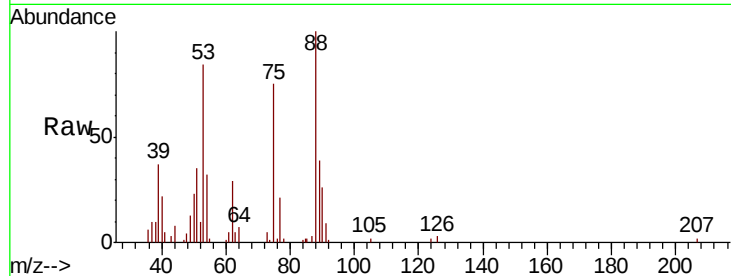
Tot Ion: 75 Resp: 18387

Ion Ratio Lower Upper

75 100

53 98.3 78.8 118.2

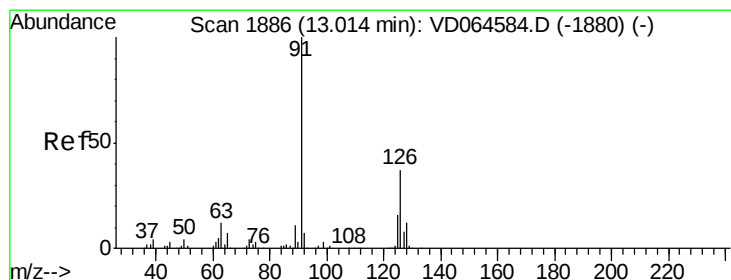
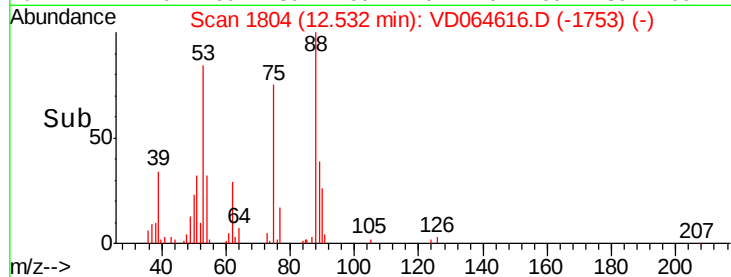
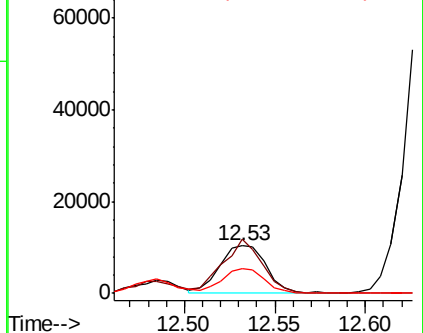
89 46.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.313 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064616.D

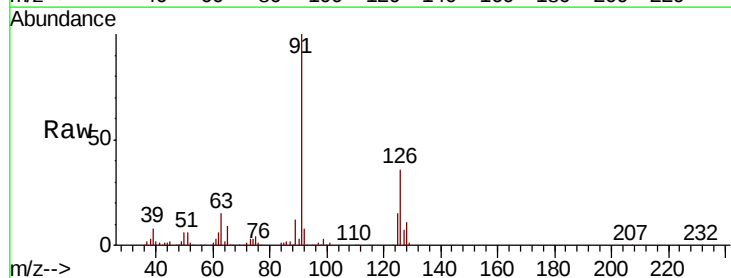
Acq: 27 Dec 2019 00:37

Tgt Ion: 91 Resp: 245140

Ion Ratio Lower Upper

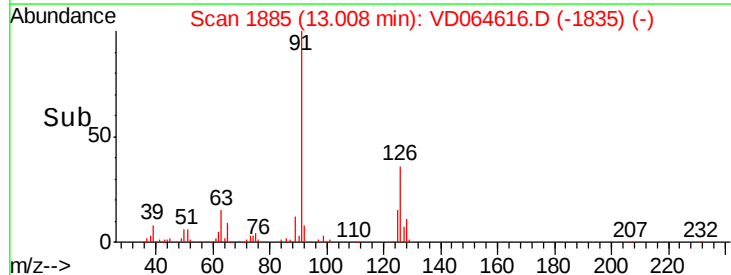
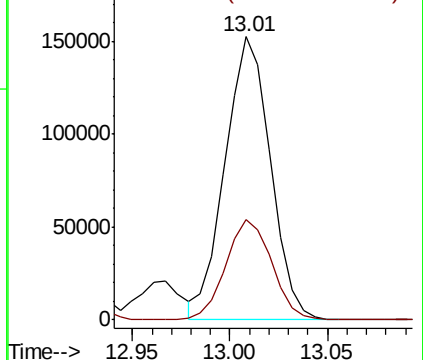
91 100

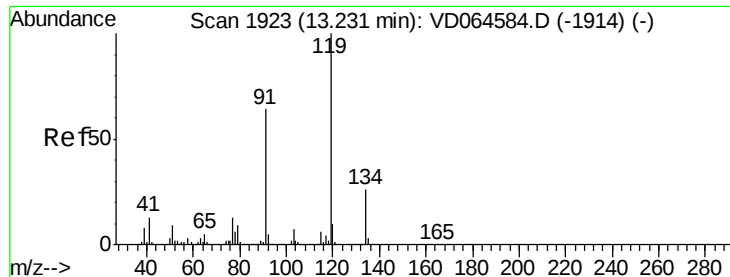
126 36.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

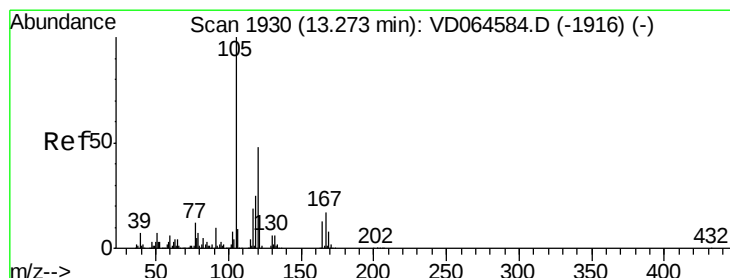
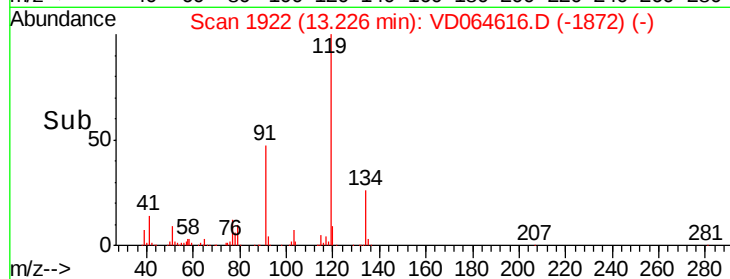
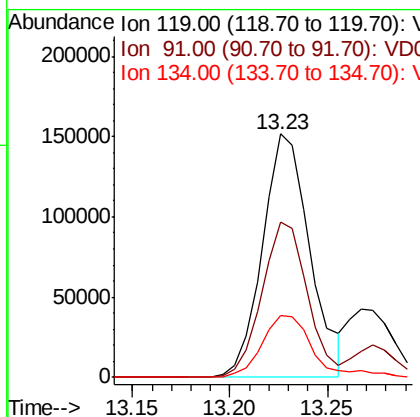
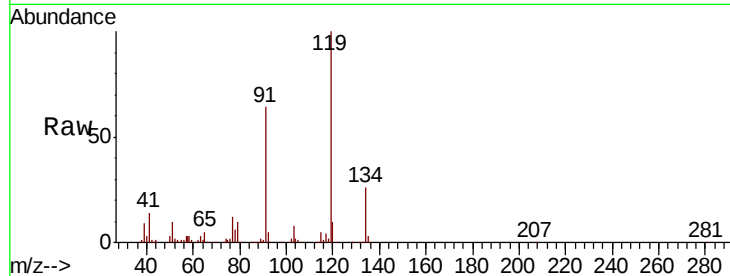




#83
 tert-Butylbenzene
 Concen: 20.233 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

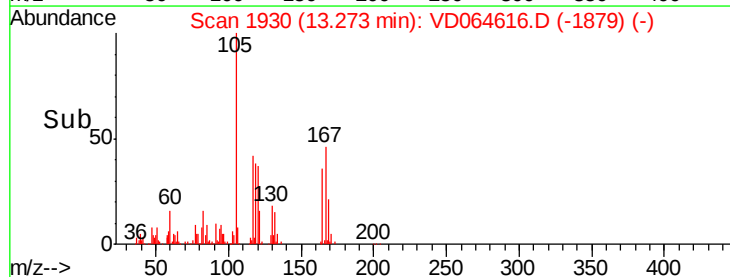
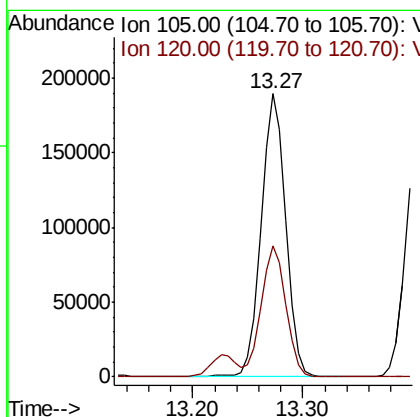
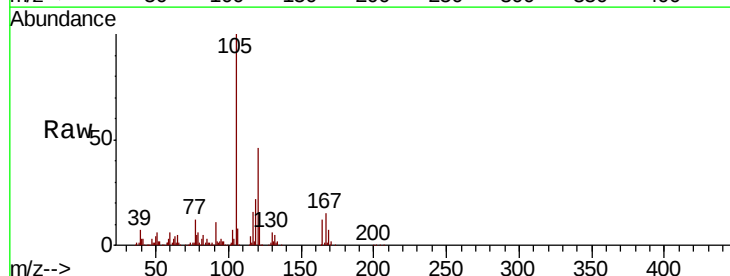
Instrument :
 MSVOA_D
 ClientSampleId :

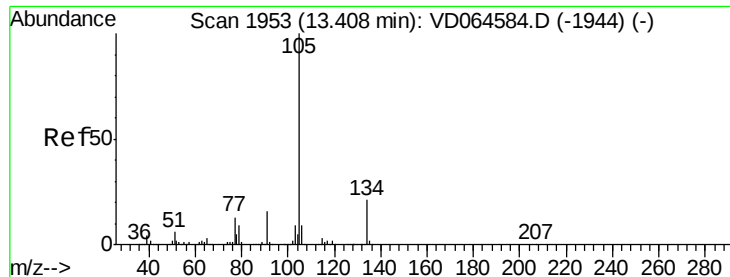
Tot Ion:119 Resp: 255350
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.8 92.4
 134 27.4 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.369 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion:105 Resp: 294874
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.8 71.2





#85

sec-Butylbenzene

Concen: 19.386 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

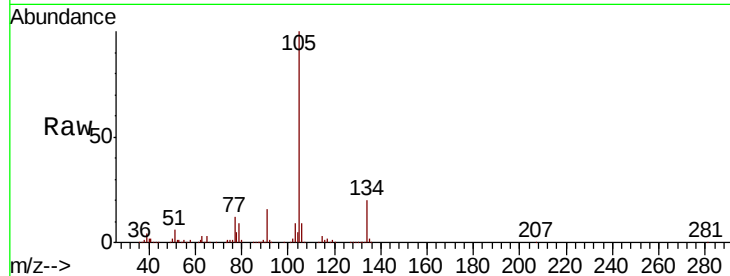
ClientSampleId :

Tot Ion:105 Resp: 335416

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

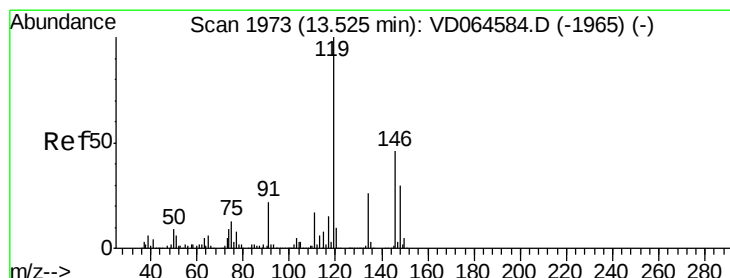
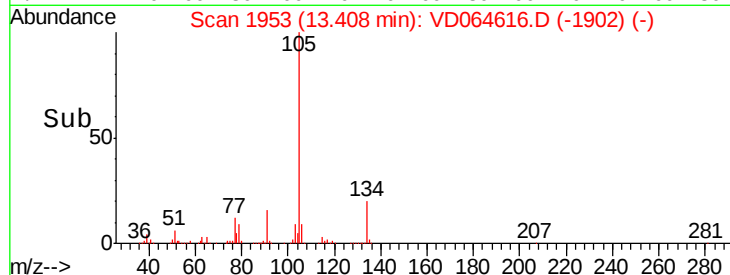
50000

0

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 19.315 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

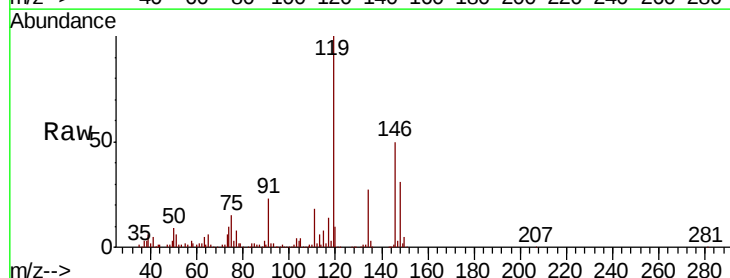
Tgt Ion:119 Resp: 319547

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

0

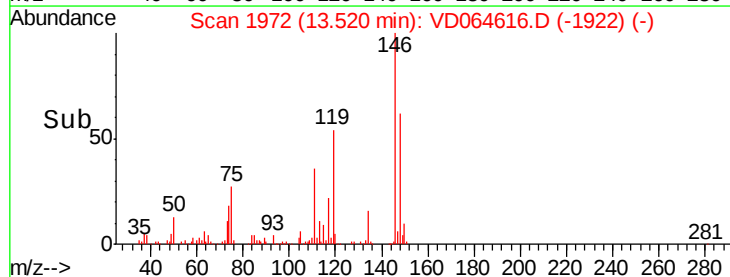
13.45

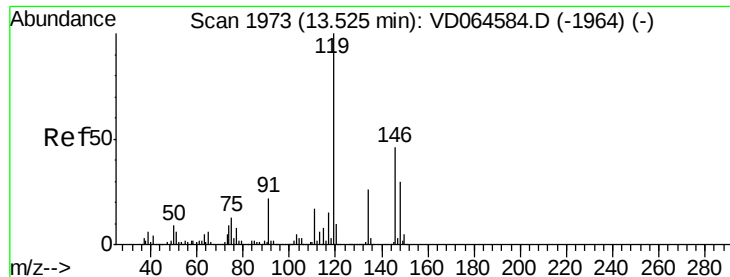
13.50

13.55

13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.011 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

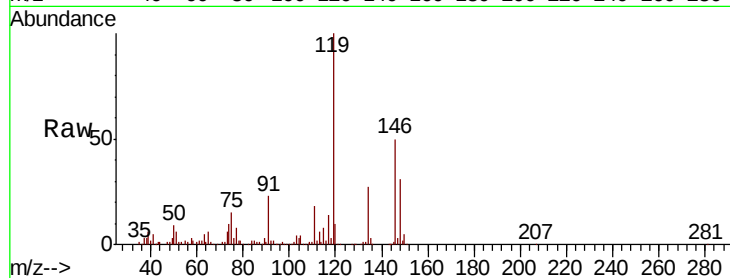
Tot Ion:146 Resp: 165861

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

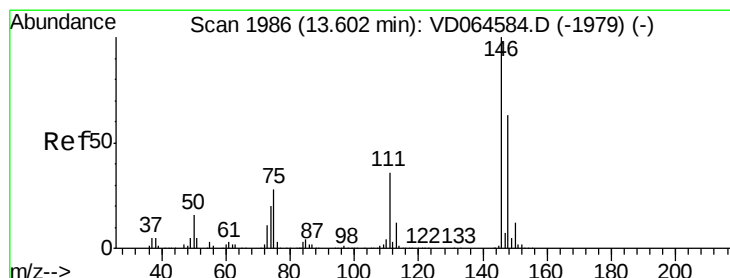
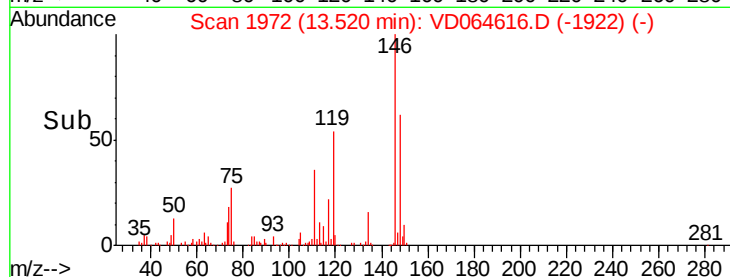
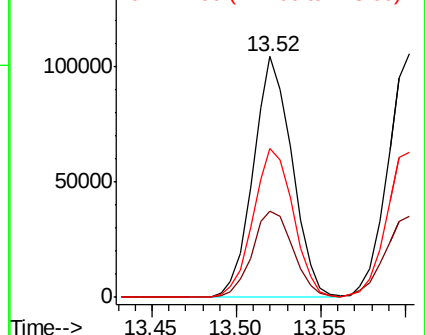
148 63.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.811 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

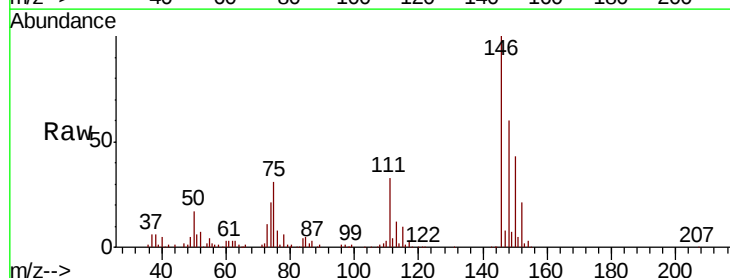
Tgt Ion:146 Resp: 169451

Ion Ratio Lower Upper

146 100

111 35.9 18.1 54.1

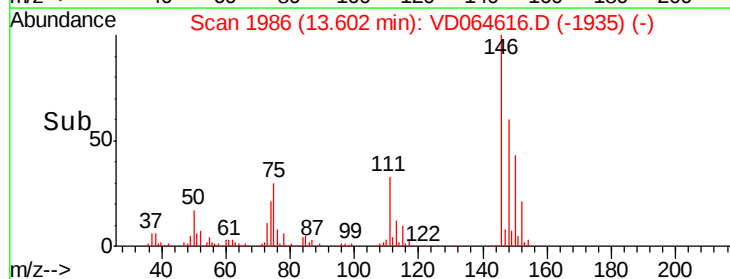
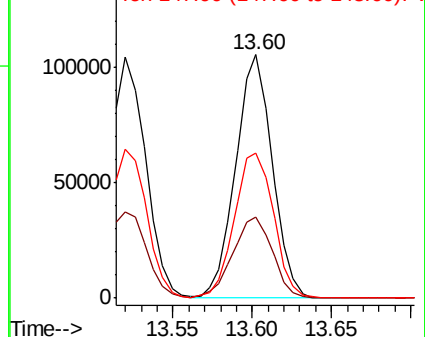
148 63.4 32.3 96.9

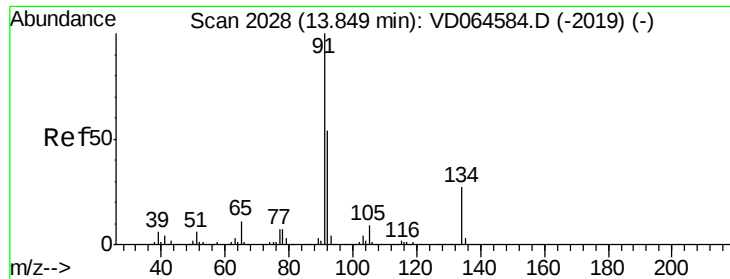


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

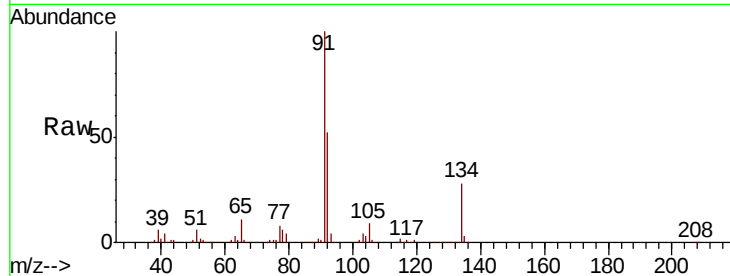




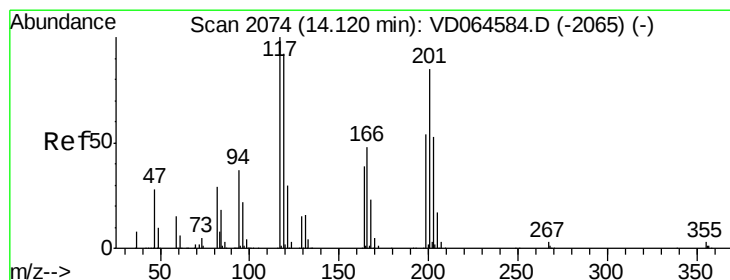
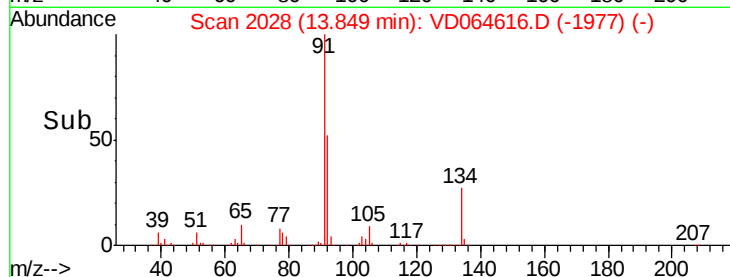
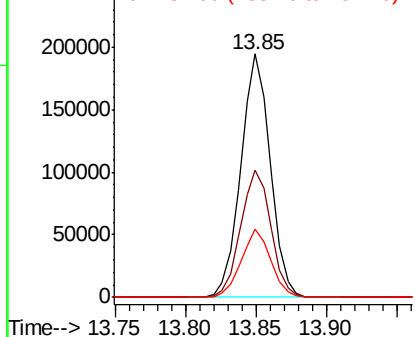
#89
n-Butylbenzene
Concen: 19.064 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 284026
Ion Ratio Lower Upper
91 100
92 53.7 26.8 80.4
134 27.9 14.0 41.9

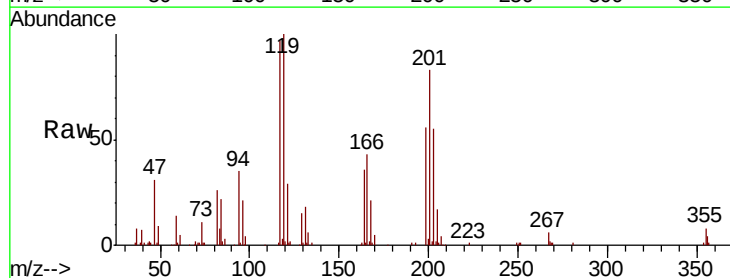


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

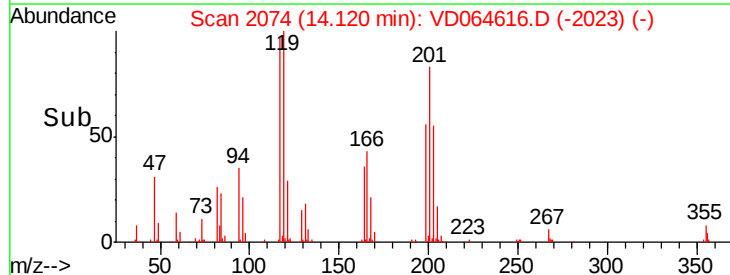
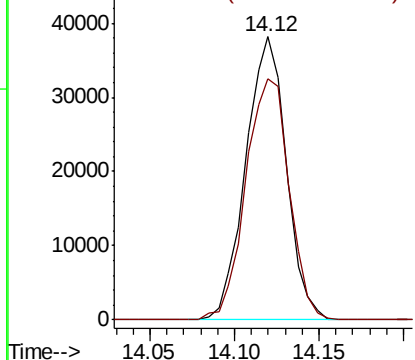


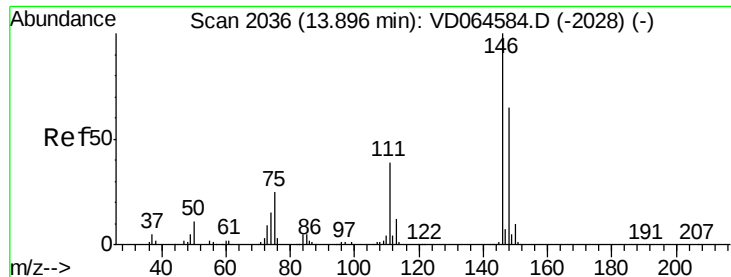
#90
Hexachloroethane
Concen: 20.159 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion: 117 Resp: 63706
Ion Ratio Lower Upper
117 100
201 91.0 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.803 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

Instrument :

MSVOA_D

ClientSampleId :

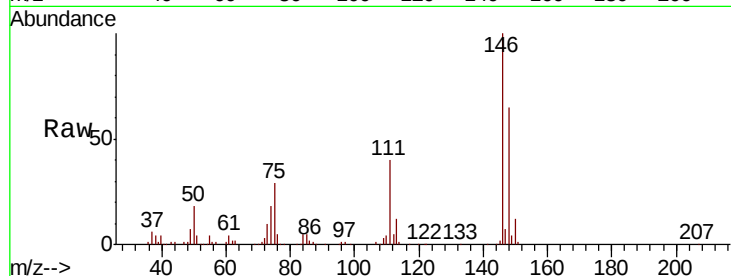
Tot Ion:146 Resp: 147030

Ion Ratio Lower Upper

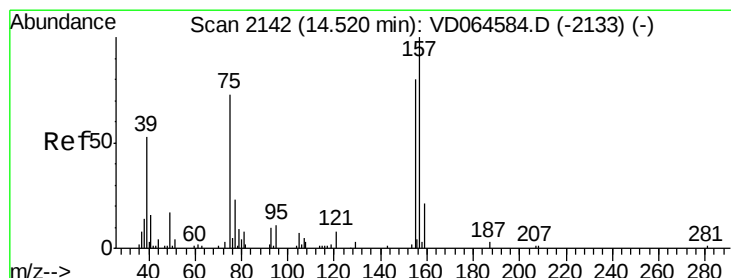
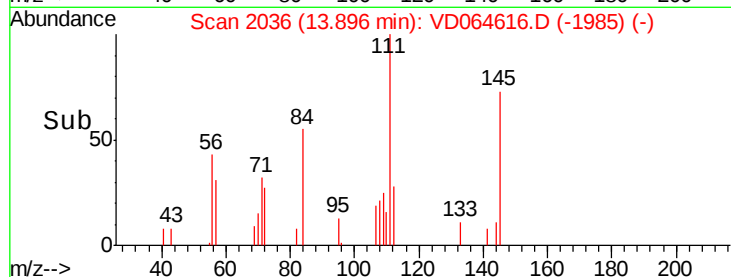
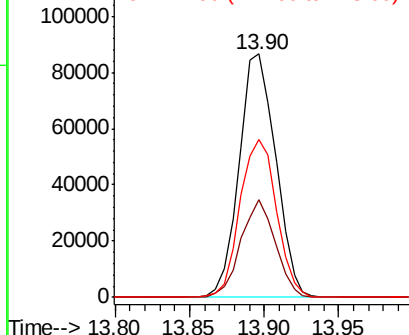
146 100

111 37.8 19.3 57.9

148 64.7 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.413 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064616.D

Acq: 27 Dec 2019 00:37

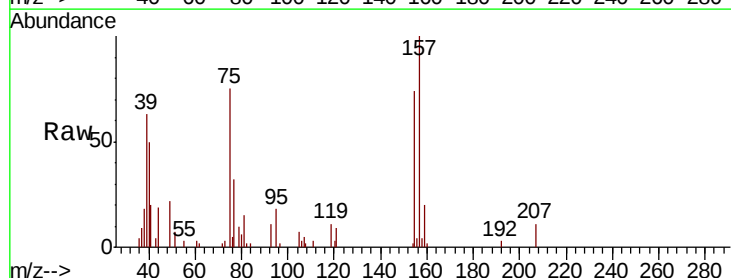
Tgt Ion: 75 Resp: 9649

Ion Ratio Lower Upper

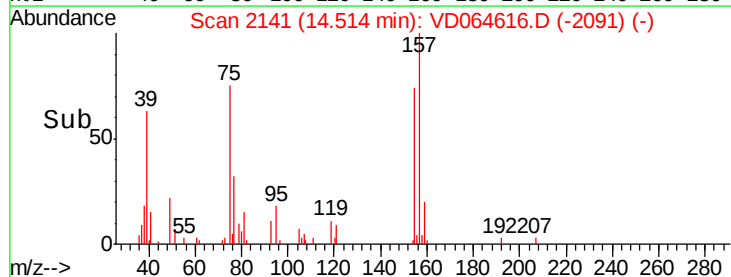
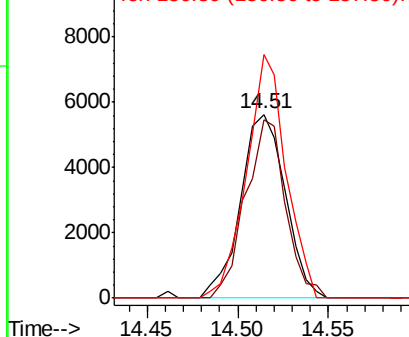
75 100

155 87.4 48.0 144.0

157 116.9 64.1 192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

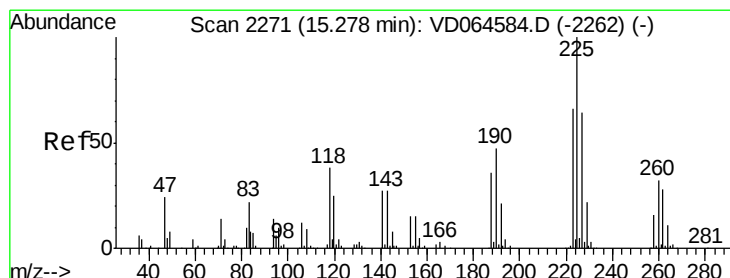
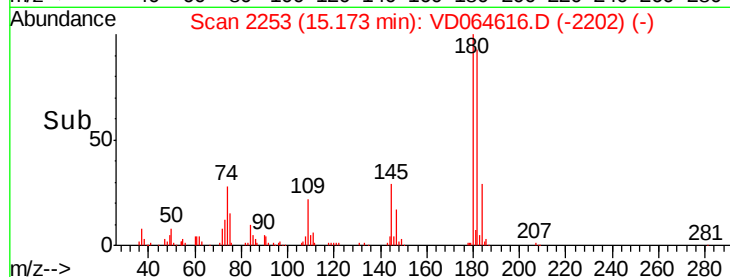
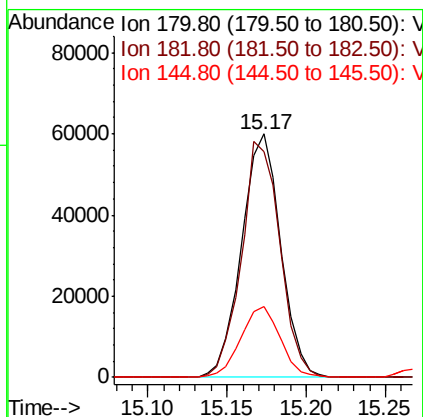
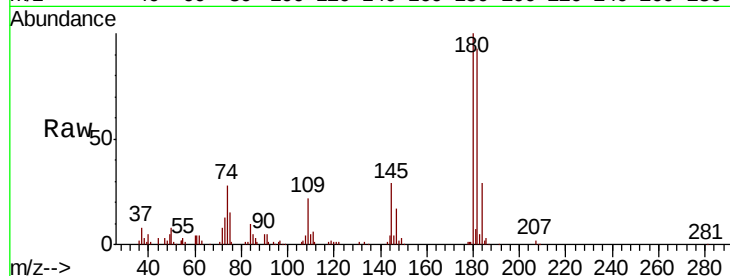




#93
 1,2,4-Trichlorobenzene
 Concen: 19.731 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

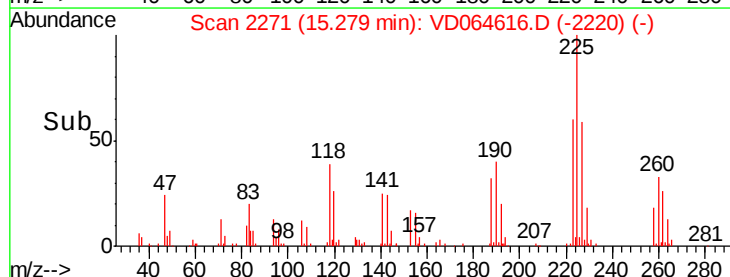
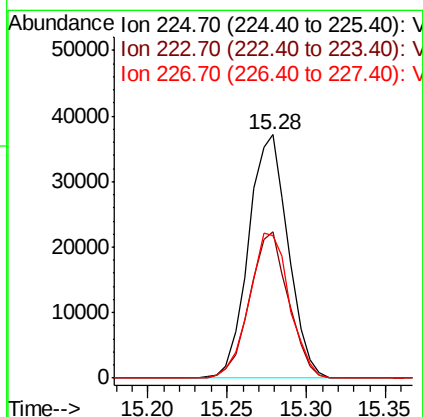
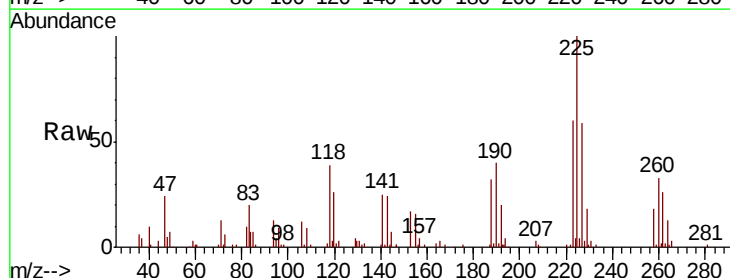
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	29.4	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 19.665 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064616.D
 Acq: 27 Dec 2019 00:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	31.1	93.2
227	60.7	30.9	92.7

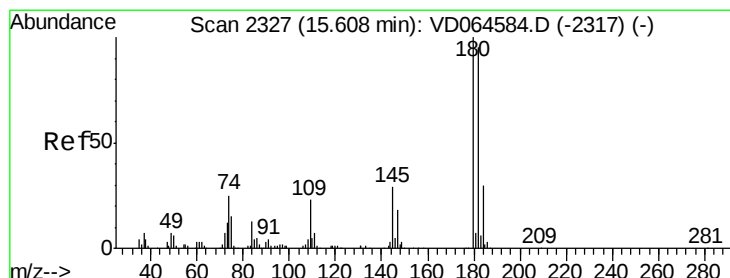
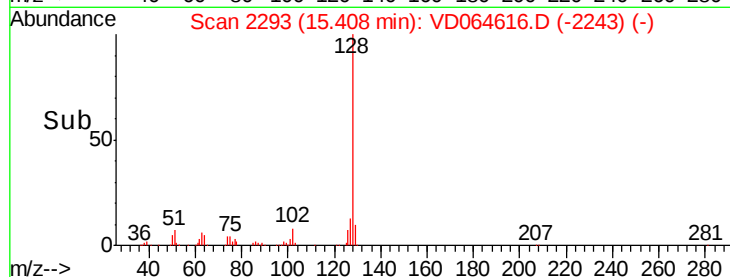
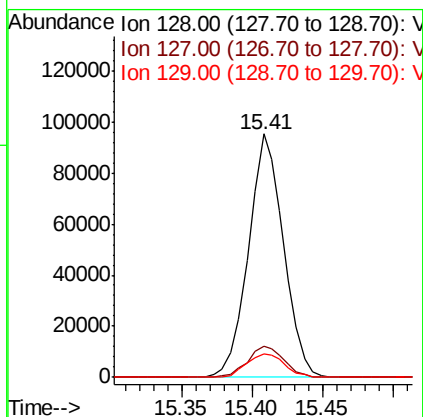
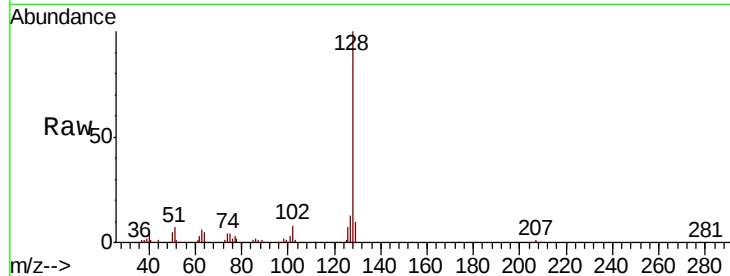




#95
Naphthalene
Concen: 20.081 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 165326
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.331 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064616.D
Acq: 27 Dec 2019 00:37

Tgt Ion:180 Resp: 90323
Ion Ratio Lower Upper
180 100
182 96.9 47.9 143.7
145 29.0 14.9 44.7

