

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063864.D
 Acq On : 02 Oct 2019 17:17
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 03 03:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	34892	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
35) Dibromofluoromethane	7.93	113	36341	18.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	36.00%	
50) Toluene-d8	10.34	98	145942	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
62) 4-Bromofluorobenzene	12.63	95	51346	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26575	18.655	ug/l	96
3) Chloromethane	2.21	50	91920	21.342	ug/l	98
4) Vinyl Chloride	2.35	62	100008	22.696	ug/l	99
5) Bromomethane	2.76	94	59819	22.962	ug/l	97
6) Chloroethane	2.91	64	65069	21.503	ug/l	91
7) Trichlorofluoromethane	3.26	101	129380	21.970	ug/l	96
8) Diethyl Ether	3.70	74	18330	18.810	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	33798	19.635	ug/l	98
10) Methyl Iodide	4.29	142	46839	22.350	ug/l	98
11) Tert butyl alcohol	5.26	59	13922	91.611	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	33492	19.206	ug/l	81
13) Acrolein	3.92	56	18731	102.574	ug/l	96
14) Allyl chloride	4.70	41	61068	21.921	ug/l	96
15) Acrylonitrile	5.43	53	45136	106.231	ug/l	99
16) Acetone	4.17	43	44058	95.967	ug/l #	75
17) Carbon Disulfide	4.40	76	123601	20.792	ug/l #	94
18) Methyl Acetate	4.72	43	21503	20.144	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	86495	19.703	ug/l	99
20) Methylene Chloride	4.96	84	51560	19.693	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	41388	20.213	ug/l	88
22) Diisopropyl ether	6.37	45	119865	20.974	ug/l	98
23) Vinyl Acetate	6.31	43	358780	105.541	ug/l	100
24) 1,1-Dichloroethane	6.26	63	73307	21.010	ug/l	97
25) 2-Butanone	7.23	43	57699	98.987	ug/l	98
26) 2,2-Dichloropropane	7.21	77	63072	19.543	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46266	20.240	ug/l	97
28) Bromochloromethane	7.56	49	21198	15.798	ug/l	96
29) Tetrahydrofuran	7.57	42	36884	108.294	ug/l	92
30) Chloroform	7.71	83	81294	21.562	ug/l	92
31) Cyclohexane	7.98	56	67290	19.648	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	66386	19.527	ug/l	99
36) 1,1-Dichloropropene	8.11	75	60618	20.884	ug/l	98
37) Ethyl Acetate	7.30	43	27220	21.970	ug/l #	93
38) Carbon Tetrachloride	8.10	117	59352	19.782	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72642	20.155	ug/l	95
40) Benzene	8.36	78	171965	21.368	ug/l	93
41) Methacrylonitrile	7.54	41	15642	22.326	ug/l	84
42) 1,2-Dichloroethane	8.43	62	50086	21.245	ug/l	97
43) Isopropyl Acetate	8.46	43	51558	21.091	ug/l	96
44) Trichloroethene	9.11	130	49968	21.398	ug/l	97
45) 1,2-Dichloropropane	9.39	63	41189	20.687	ug/l	99
46) Dibromomethane	9.47	93	23196	20.605	ug/l	97
47) Bromodichloromethane	9.67	83	60972	21.086	ug/l	94
48) Methyl methacrylate	9.46	41	24972	22.411	ug/l	95
49) 1,4-Dioxane	9.47	88	6177	387.375	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	131381	105.967	ug/l	96
52) Toluene	10.40	92	116202	21.247	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	60064	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	68367	21.049	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	33268	20.990	ug/l	96
56) Ethyl methacrylate	10.66	69	42162	20.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57808	21.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	82174	91.016	ug/l	97
59) 2-Hexanone	10.98	43	93101	103.546	ug/l	98
60) Dibromochloromethane	11.14	129	42101	20.106	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32713	20.572	ug/l	95
64) Tetrachloroethene	10.88	164	41620	19.455	ug/l	95
65) Chlorobenzene	11.67	112	129223	20.145	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	45288	19.243	ug/l	98
67) Ethyl Benzene	11.74	91	236760	20.538	ug/l	100
68) m/p-Xylenes	11.86	106	175305	39.403	ug/l	95
69) o-Xylene	12.18	106	84767	20.242	ug/l	97
70) Styrene	12.19	104	143797	20.216	ug/l	98
71) Bromoform	12.36	173	24465	18.797	ug/l #	92
73) Isopropylbenzene	12.48	105	231794	20.215	ug/l	98
74) N-amyl acetate	12.29	43	51590	20.489	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	38822	20.230	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	49435	38.668	ug/l #	100
77) Bromobenzene	12.76	156	55508	20.034	ug/l	98
78) n-propylbenzene	12.82	91	268613	19.894	ug/l	98
79) 2-Chlorotoluene	12.91	91	147970	20.341	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	189495	19.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13397	20.879	ug/l	94
82) 4-Chlorotoluene	13.00	91	158896	20.403	ug/l	96
83) tert-Butylbenzene	13.23	119	167242	19.957	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	198507	20.461	ug/l	97
85) sec-Butylbenzene	13.40	105	231980	19.972	ug/l	98
86) p-Isopropyltoluene	13.51	119	215762	19.830	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	109030	20.080	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	109770	20.256	ug/l	99
89) n-Butylbenzene	13.84	91	206523	20.009	ug/l	98
90) Hexachloroethane	14.11	117	38083	18.930	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	97786	20.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6511	19.663	ug/l	87

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Quant Title : SW846 8260
QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration

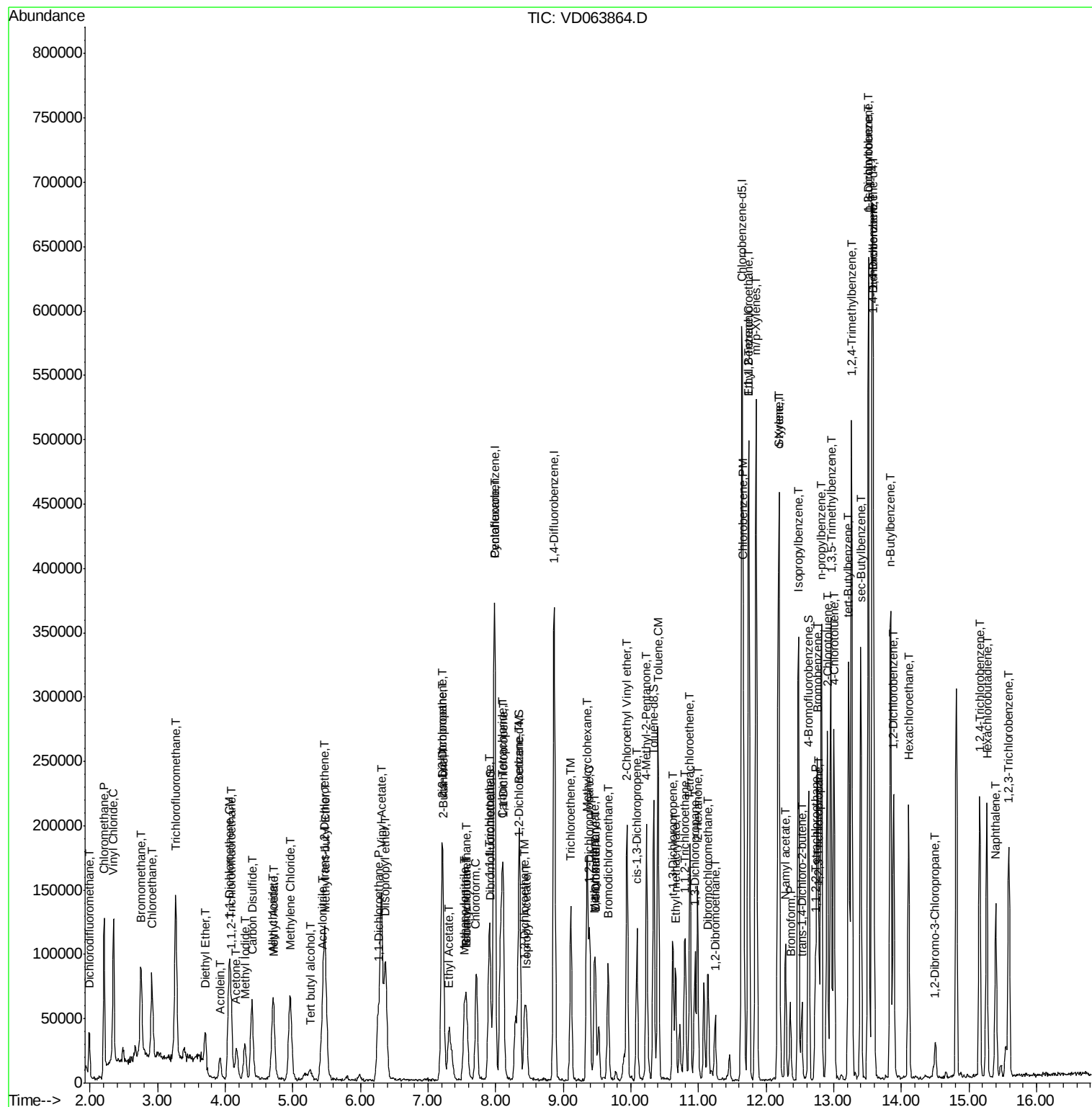
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70754	19.976	ug/l	98
94) Hexachlorobutadiene	15.27	225	38288	19.102	ug/l	93
95) Naphthalene	15.40	128	120933	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	60098	19.125	ug/l	98

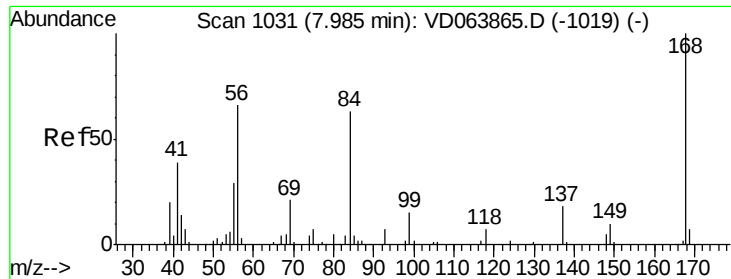
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

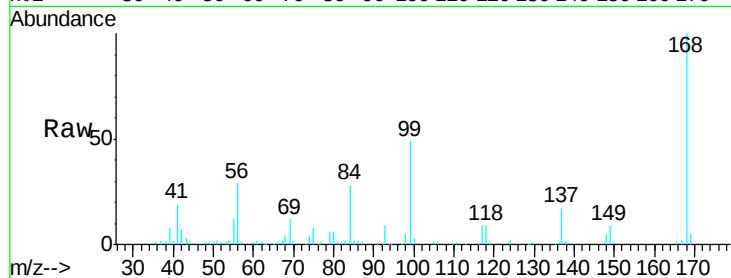
VSTDIC020

Tgt Ion:168 Resp: 204094

Ion Ratio Lower Upper

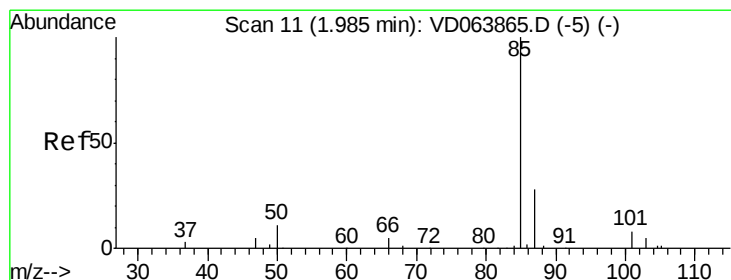
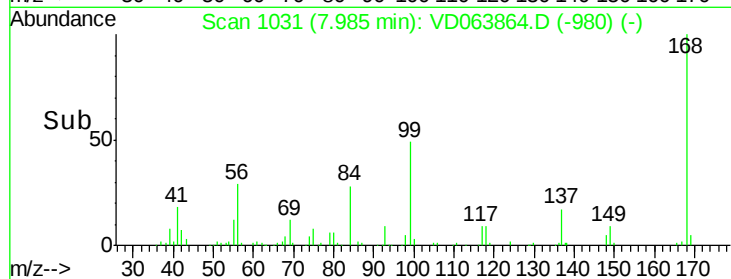
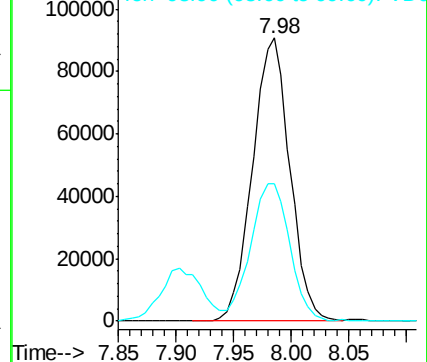
168 100

99 48.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.655 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063864.D

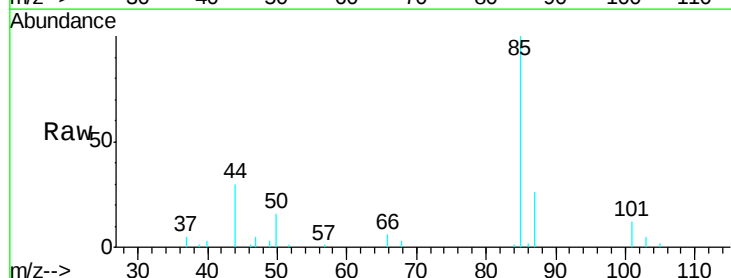
Acq: 02 Oct 2019 17:17

Tgt Ion: 85 Resp: 26575

Ion Ratio Lower Upper

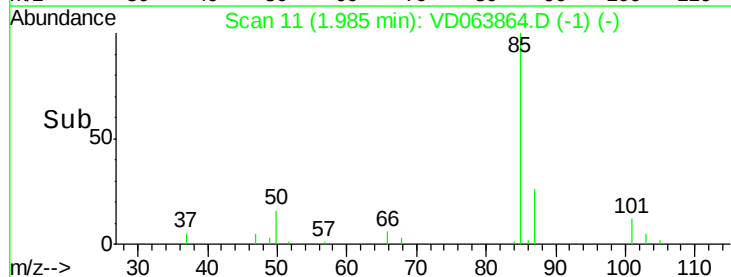
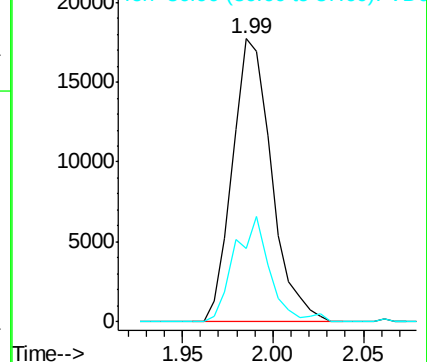
85 100

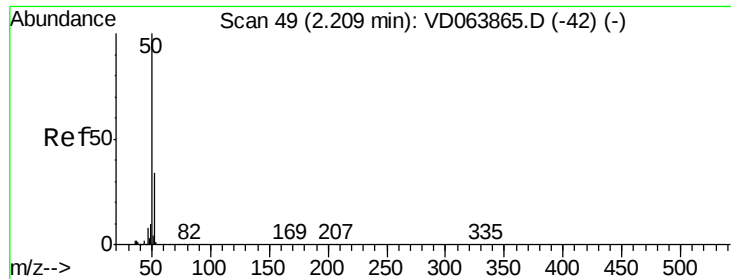
87 25.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

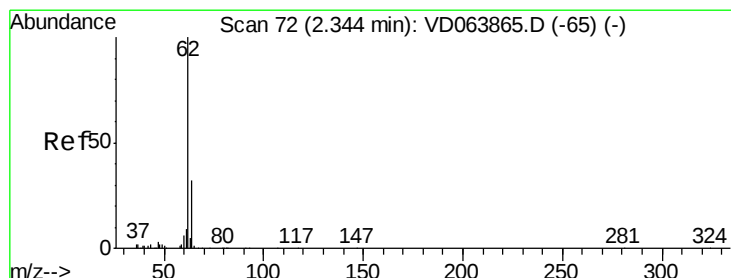
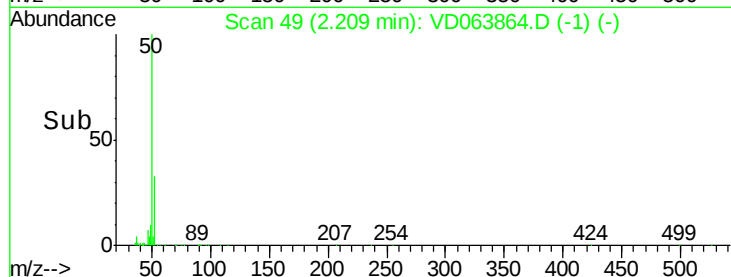
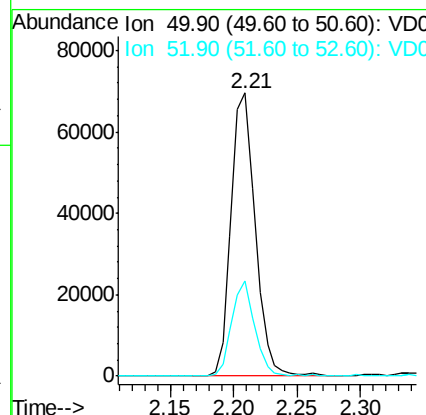
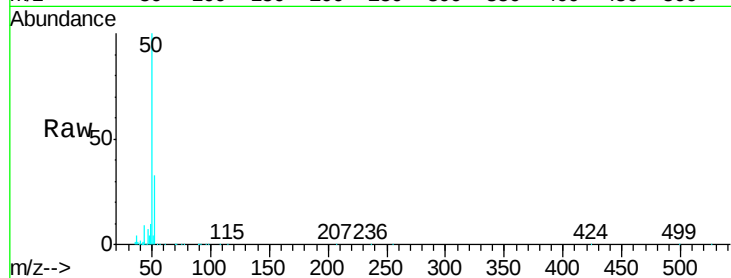




#3
Chloromethane
Concen: 21.342 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

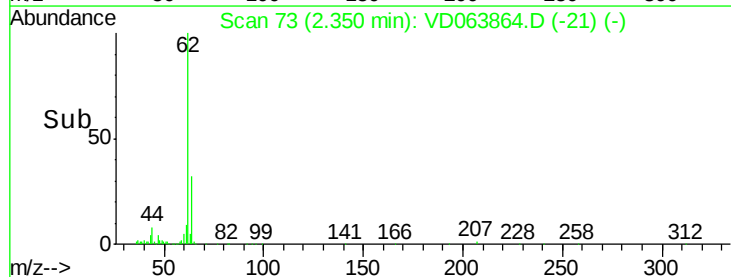
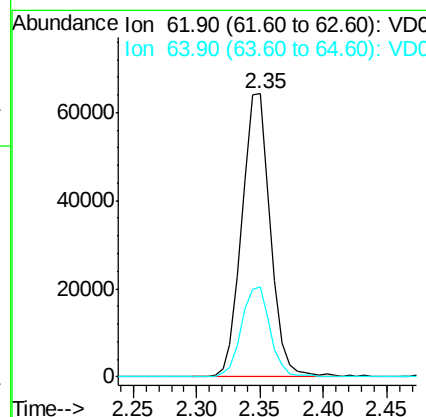
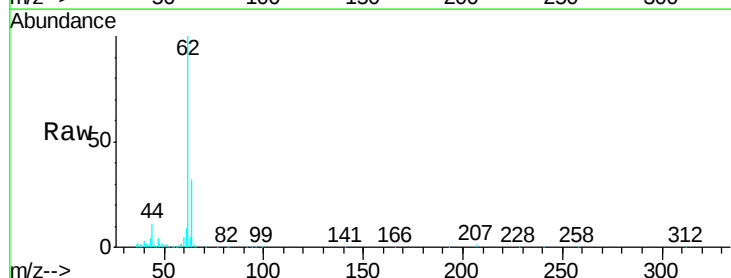
Instrument :
MSVOA_D
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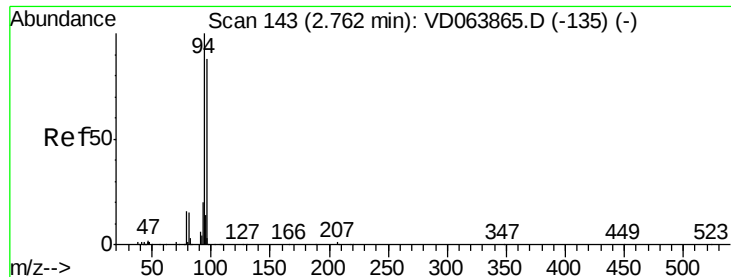
Tgt Ion: 50 Resp: 91920
Ion Ratio Lower Upper
50 100
52 33.4 27.5 41.3



#4
Vinyl Chloride
Concen: 22.696 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 62 Resp: 100008
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 22.962 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

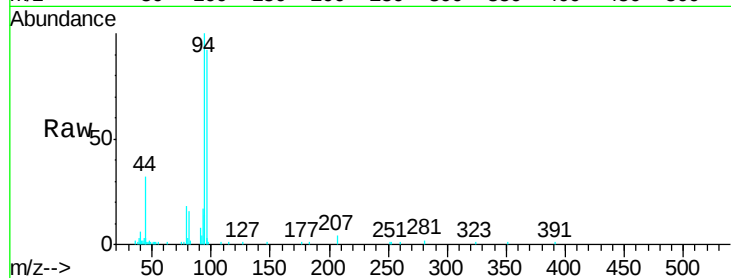
VSTDIC020

Tgt Ion: 94 Resp: 59819

Ion Ratio Lower Upper

94 100

96 91.3 70.8 106.2



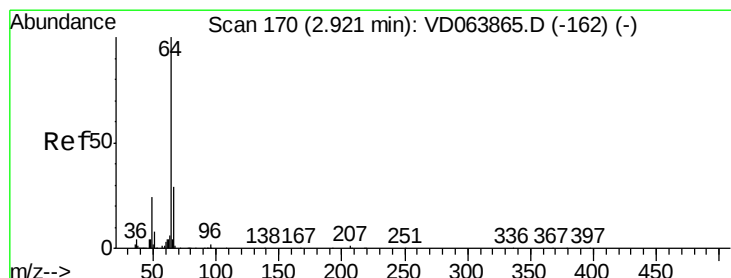
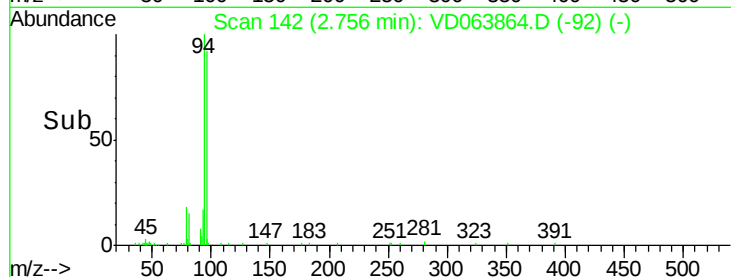
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 21.503 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063864.D

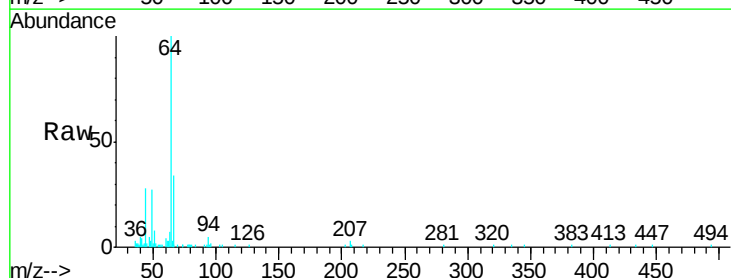
Acq: 02 Oct 2019 17:17

Tgt Ion: 64 Resp: 65069

Ion Ratio Lower Upper

64 100

66 33.6 23.0 34.4



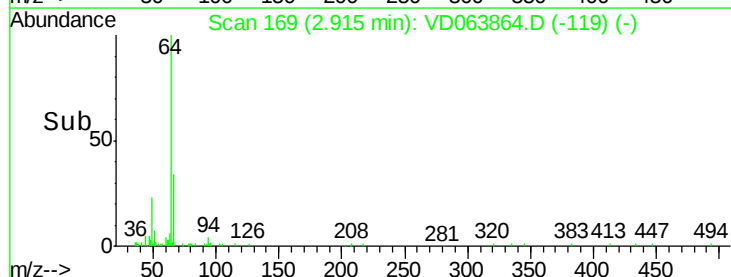
Abundance Ion 63.90 (63.60 to 64.60): VDC

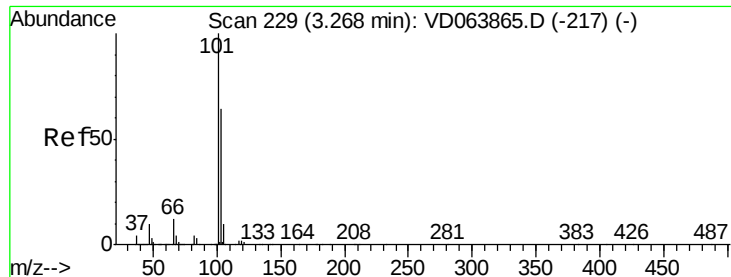
Ion 65.90 (65.60 to 66.60): VDC

2.91

2.80 2.90 3.00

Time-->



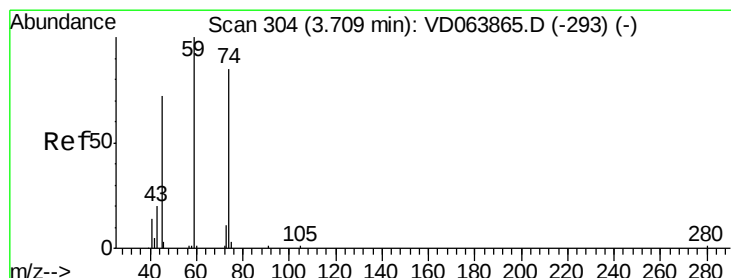
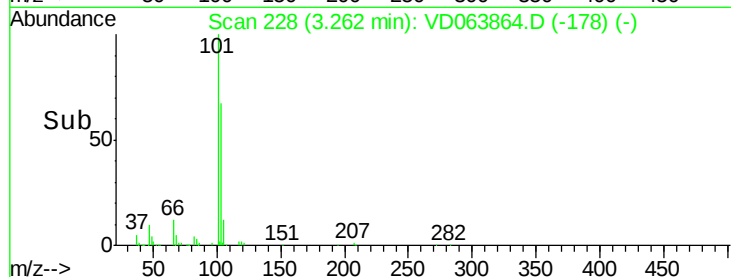
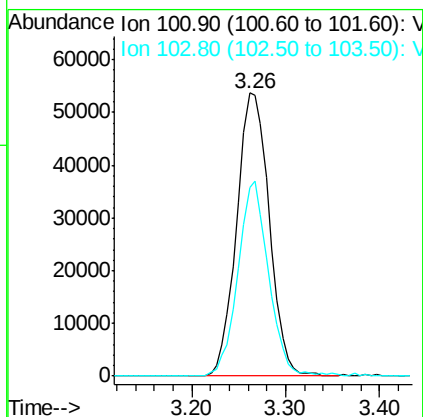
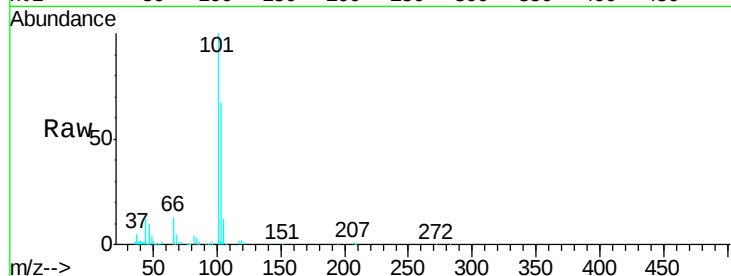


#7

Trichlorofluoromethane
 Concen: 21.970 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
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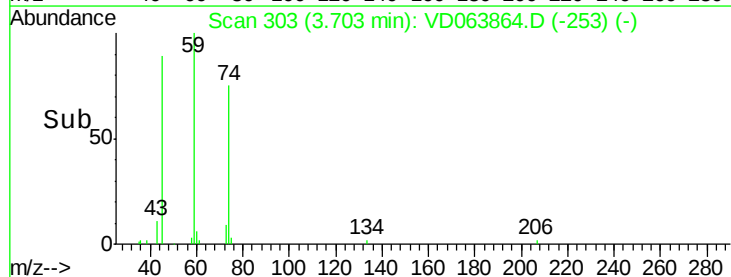
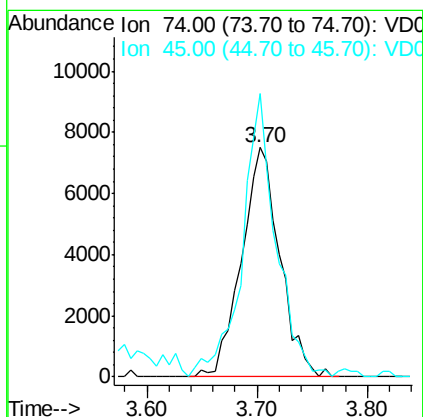
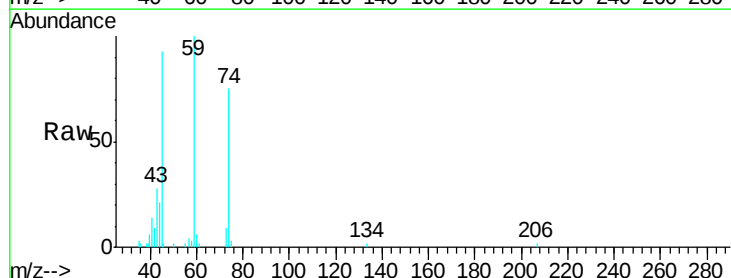
Tgt Ion:101 Resp: 129380
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.1 76.7

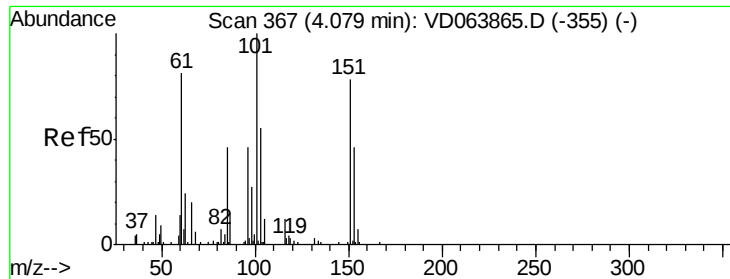


#8

Diethyl Ether
 Concen: 18.810 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 74 Resp: 18330
 Ion Ratio Lower Upper
 74 100
 45 108.5 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.635 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

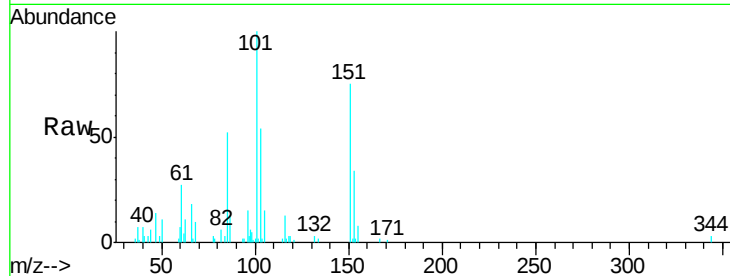
Tgt Ion:101 Resp: 33798

Ion Ratio Lower Upper

101 100

85 48.6 37.5 56.3

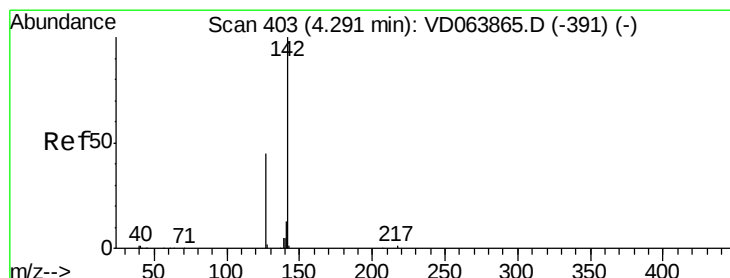
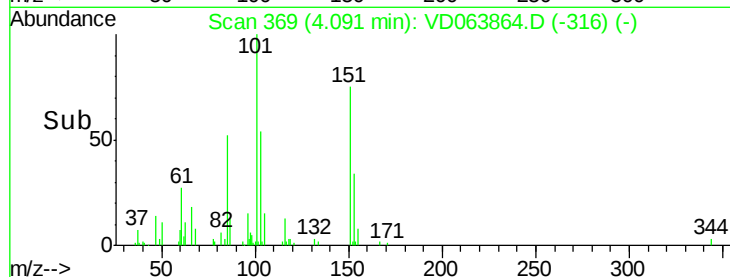
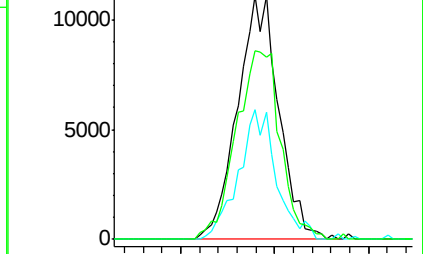
151 83.0 65.5 98.3



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: 22.350 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

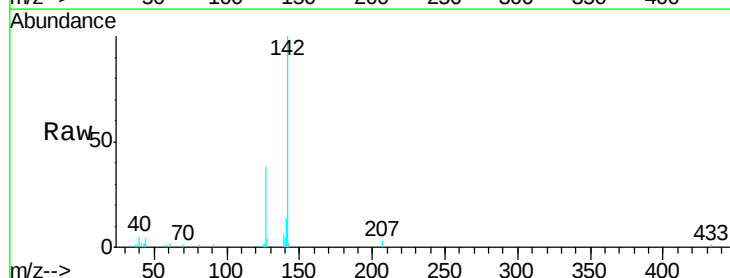
Tgt Ion:142 Resp: 46839

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

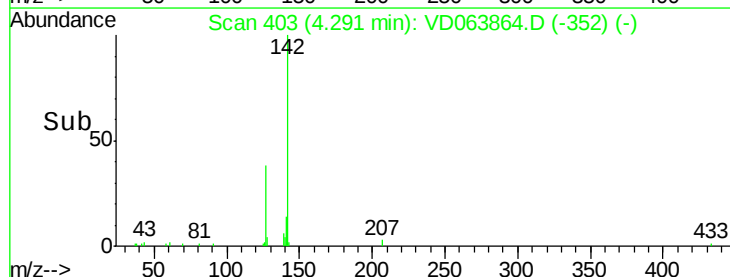
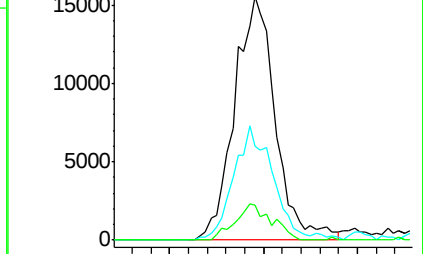
141 13.2 12.2 18.2

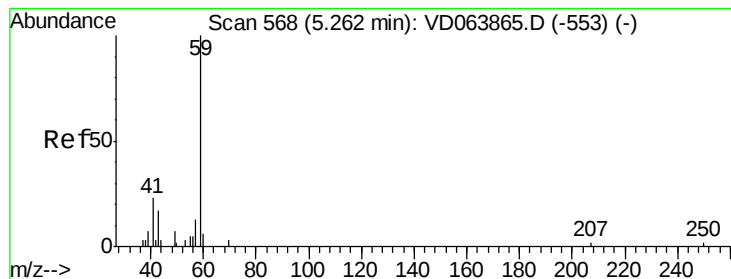


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



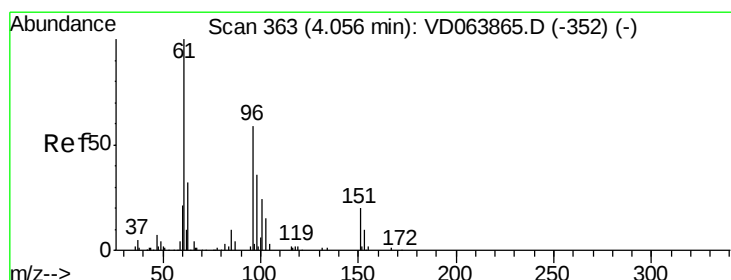
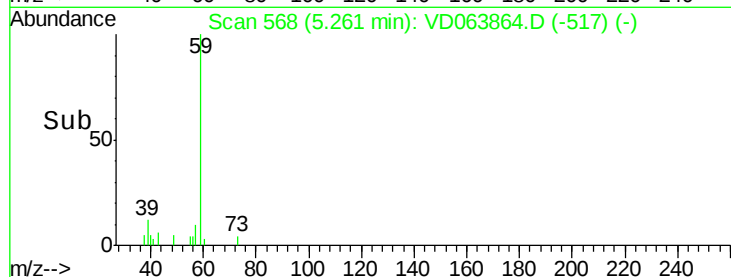
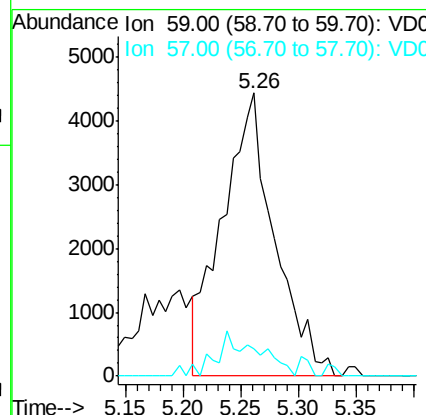
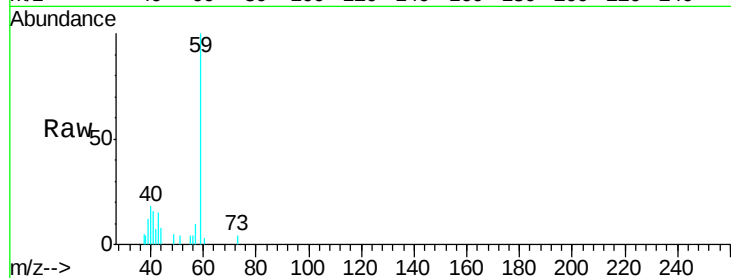


#11

Tert butyl alcohol
 Concen: 91.611 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

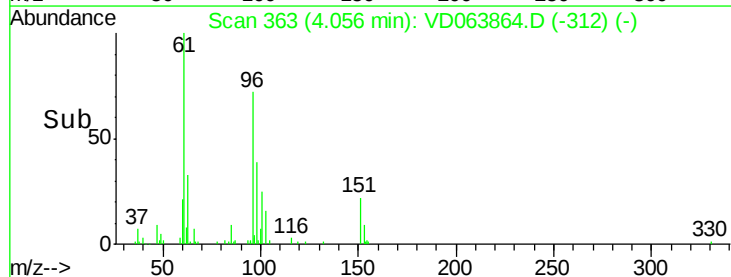
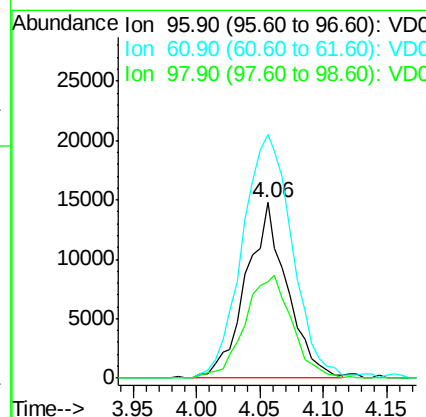
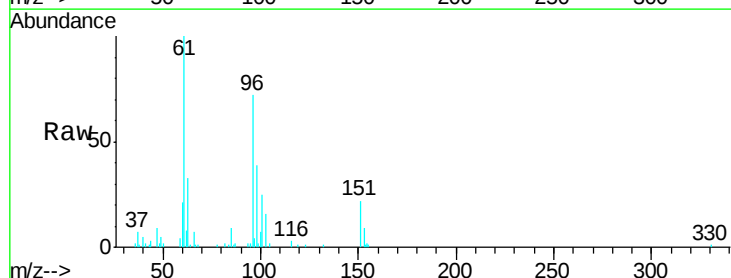
Tgt Ion: 59 Resp: 13922
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

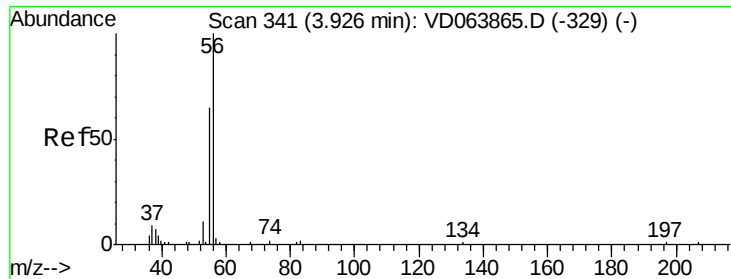


#12

1,1-Dichloroethene
 Concen: 19.206 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 96 Resp: 33492
 Ion Ratio Lower Upper
 96 100
 61 138.8 135.6 203.4
 98 54.7 49.2 73.8





#13

Acrolein

Concen: 102.574 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

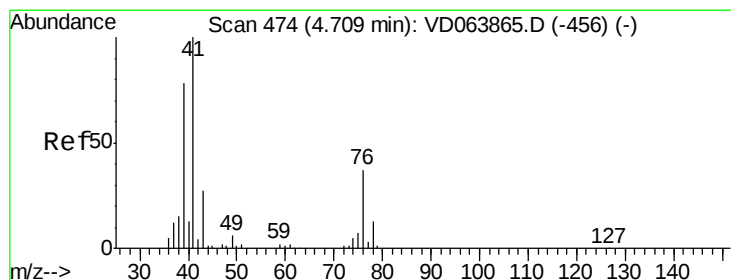
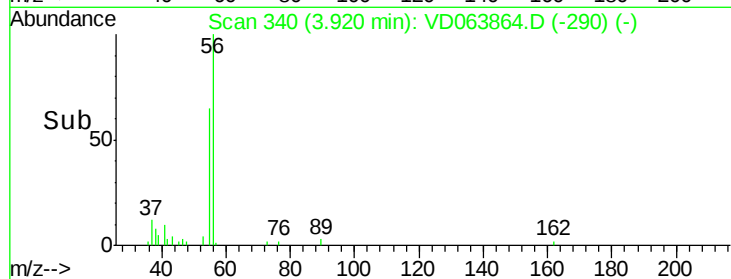
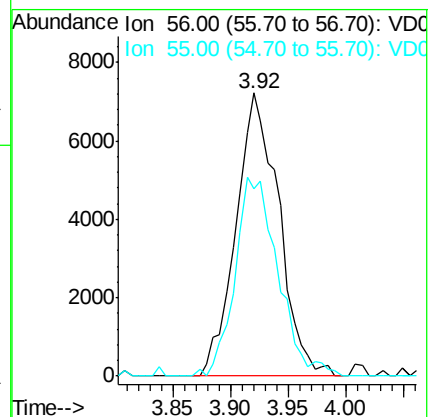
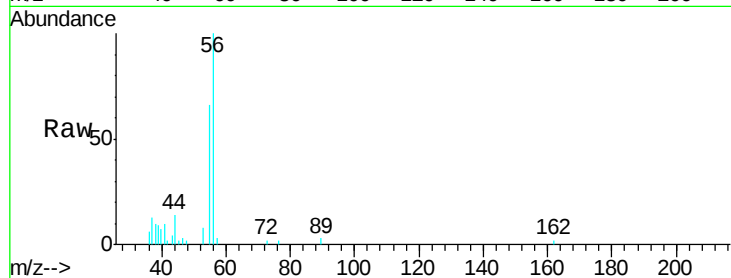
VSTDIC020

Tgt Ion: 56 Resp: 18731

Ion Ratio Lower Upper

56 100

55 69.8 53.0 79.6



#14

Allyl chloride

Concen: 21.921 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

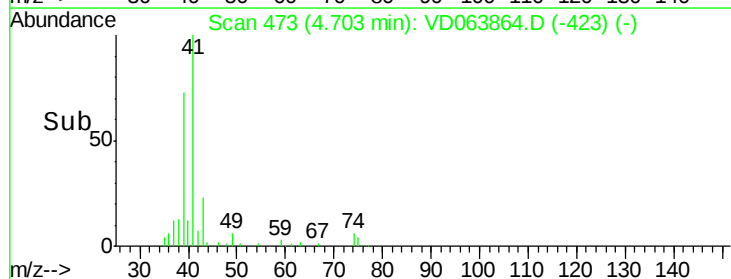
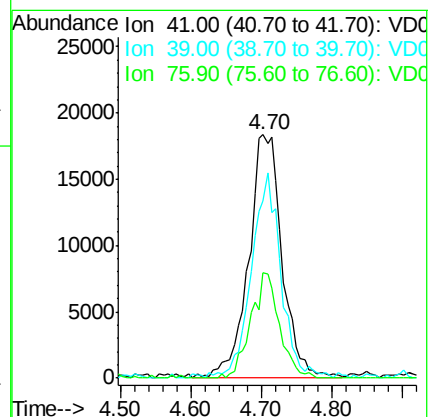
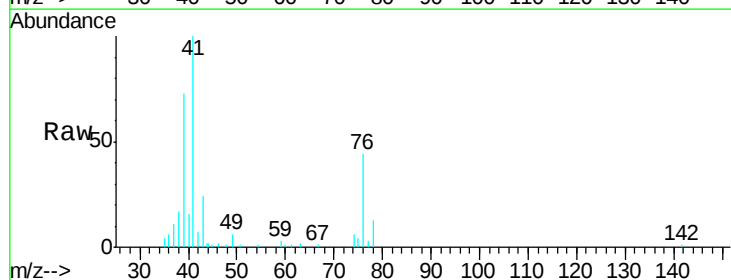
Tgt Ion: 41 Resp: 61068

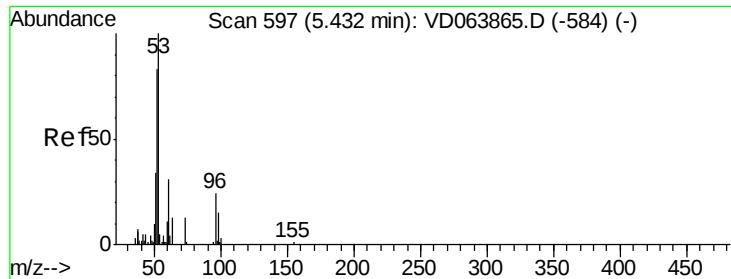
Ion Ratio Lower Upper

41 100

39 74.1 61.8 92.6

76 36.6 31.3 46.9





#15

Acrylonitrile

Concen: 106.231 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

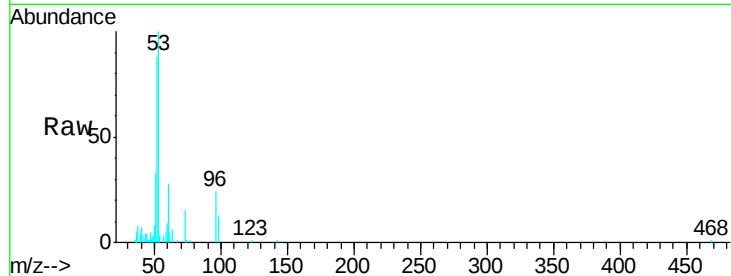
Tgt Ion: 53 Resp: 45136

Ion Ratio Lower Upper

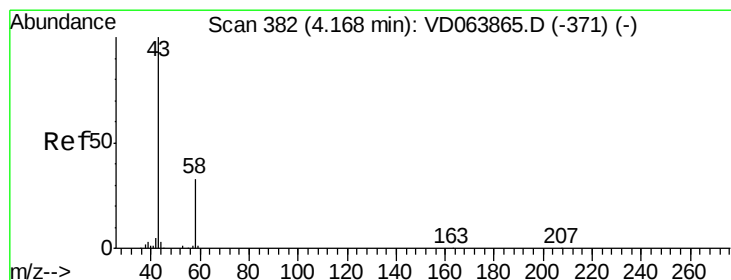
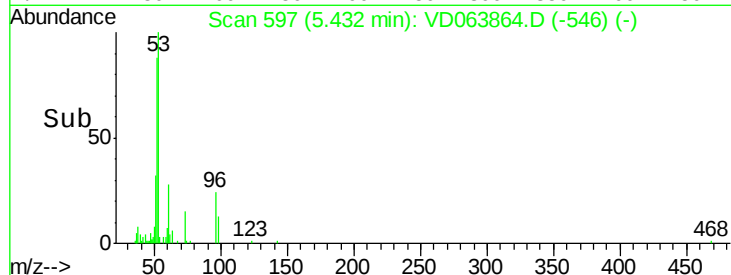
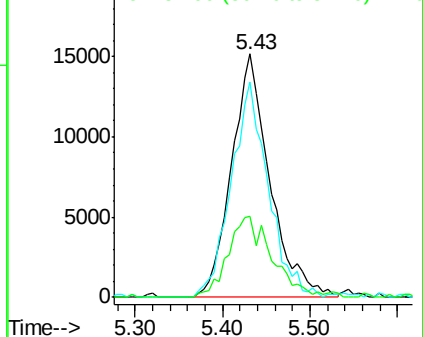
53 100

52 85.4 67.3 100.9

51 38.1 30.5 45.7



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



#16

Acetone

Concen: 95.967 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063864.D

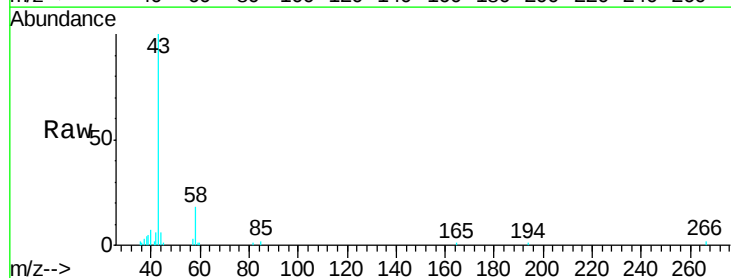
Acq: 02 Oct 2019 17:17

Tgt Ion: 43 Resp: 44058

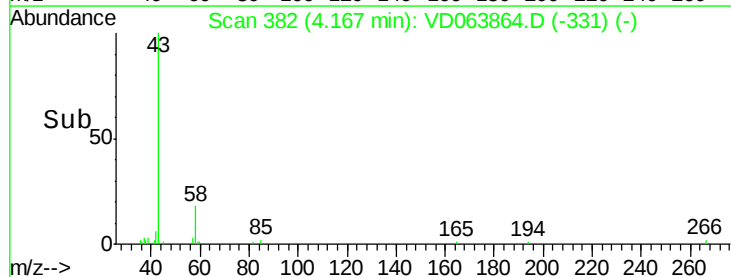
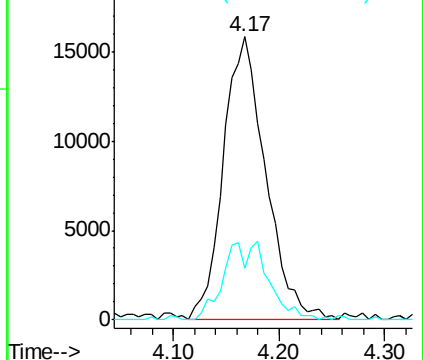
Ion Ratio Lower Upper

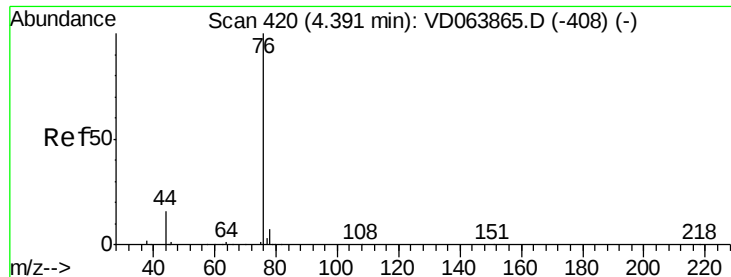
43 100

58 18.4 26.2 39.4#



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

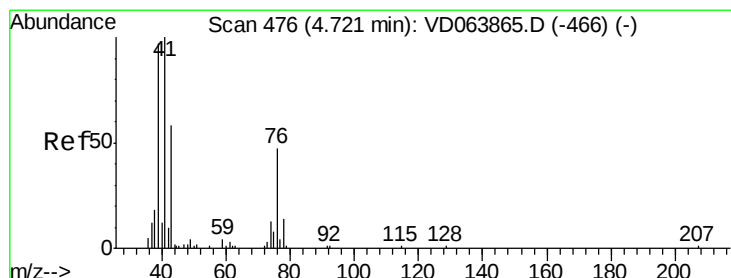
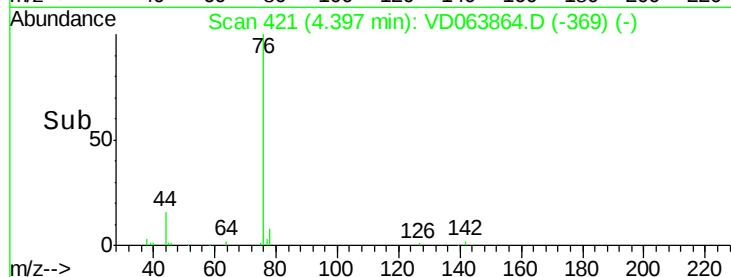
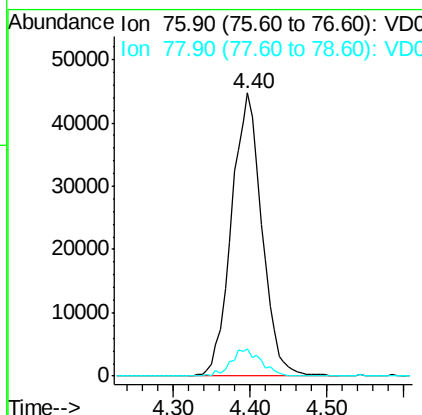
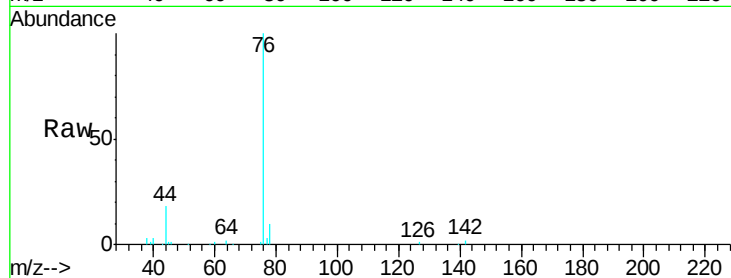




#17
Carbon Disulfide
Concen: 20.792 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

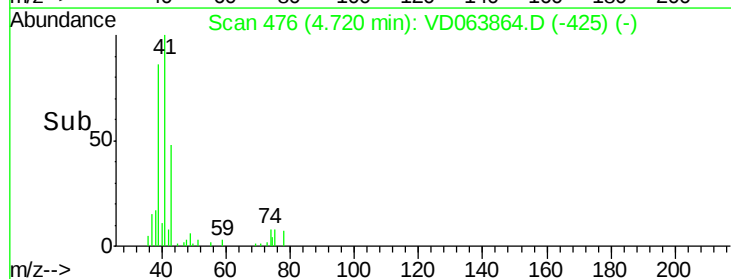
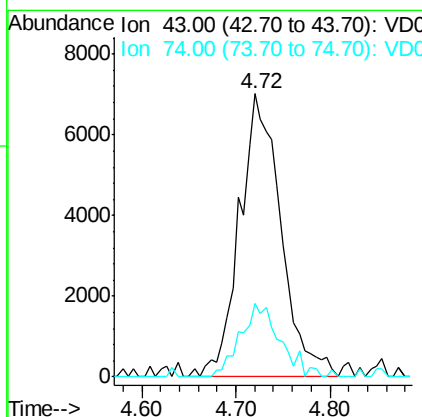
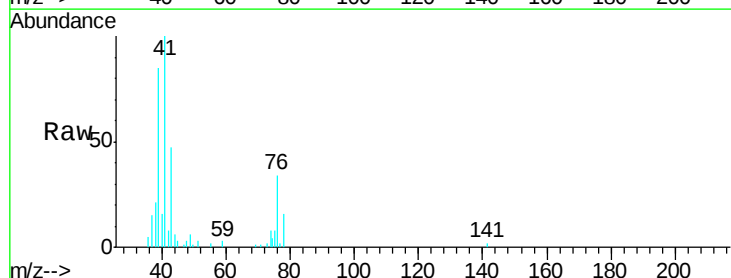
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

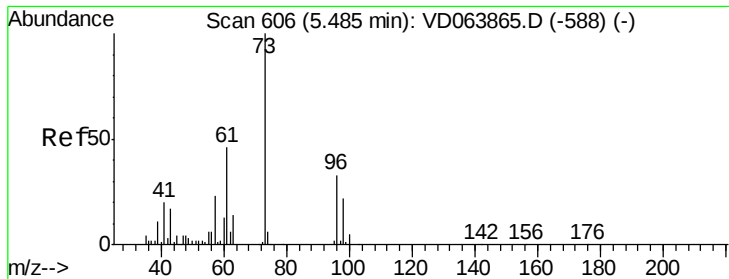
Tgt Ion: 76 Resp: 123601
Ion Ratio Lower Upper
76 100
78 9.5 5.8 8.8#



#18
Methyl Acetate
Concen: 20.144 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 43 Resp: 21503
Ion Ratio Lower Upper
43 100
74 24.5 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 19.703 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

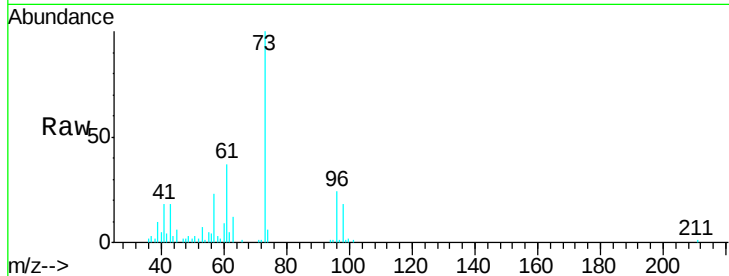
VSTDIC020

Tgt Ion: 73 Resp: 86495

Ion Ratio Lower Upper

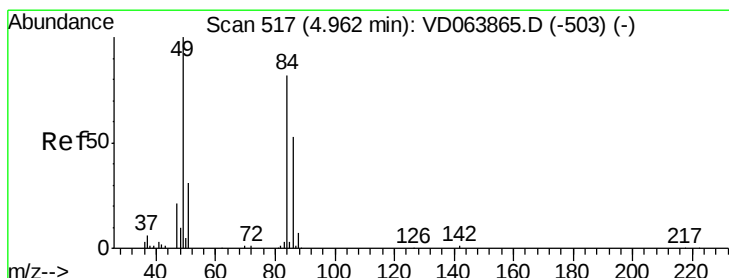
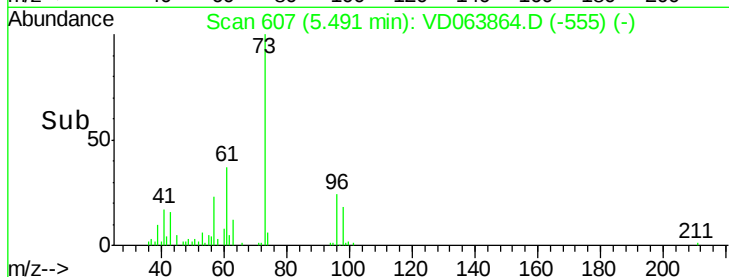
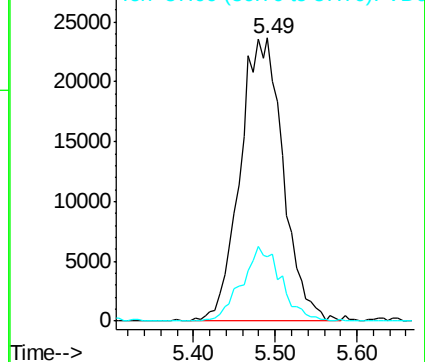
73 100

57 22.9 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 19.693 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion: 84 Resp: 51560

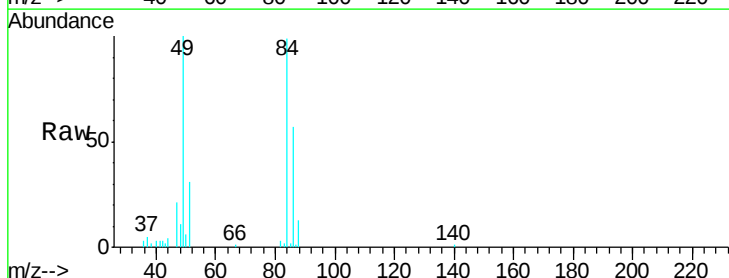
Ion Ratio Lower Upper

84 100

49 101.1 97.3 145.9

51 30.9 30.1 45.1

86 57.3 51.4 77.2

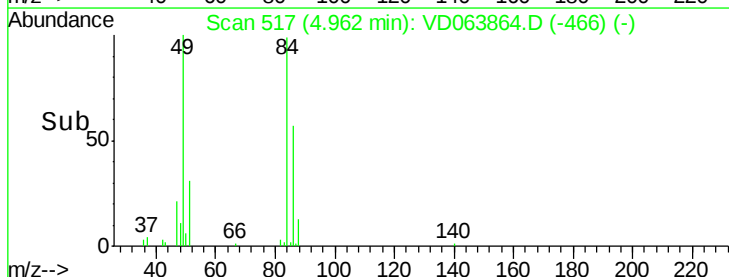
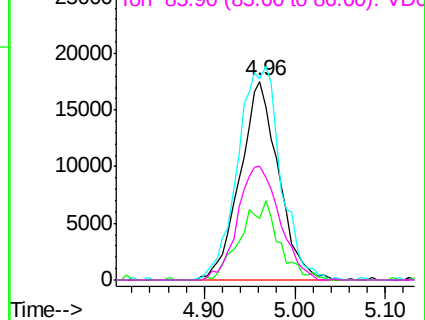


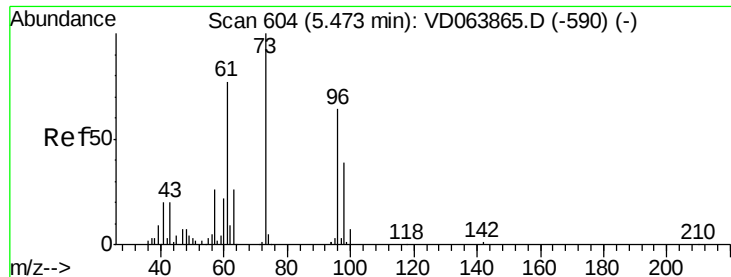
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 20.213 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

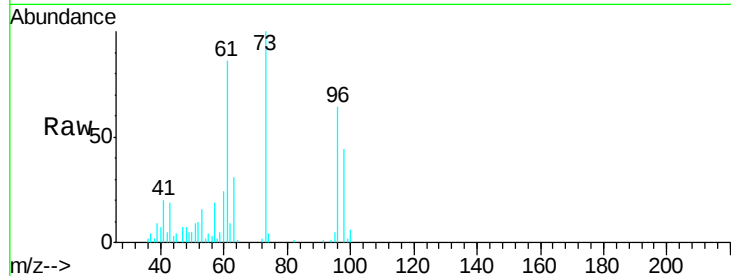
Tgt Ion: 96 Resp: 41388

Ion Ratio Lower Upper

96 100

61 134.6 96.6 145.0

98 68.5 48.7 73.1

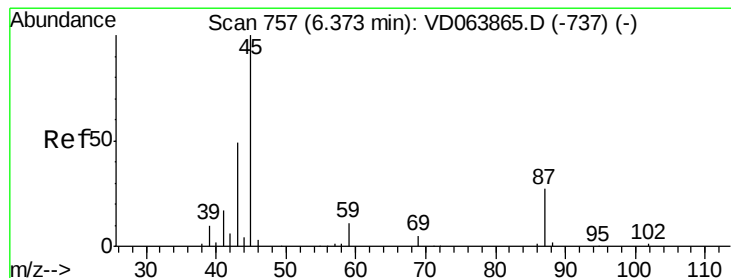
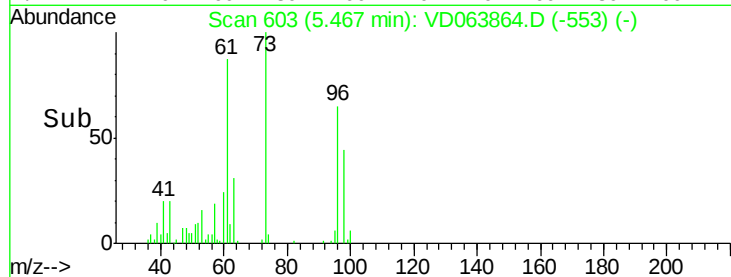
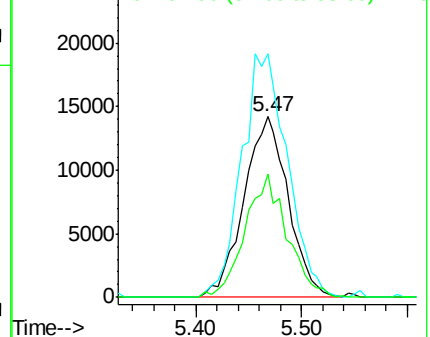


Abundance

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: 20.974 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion: 45 Resp: 119865

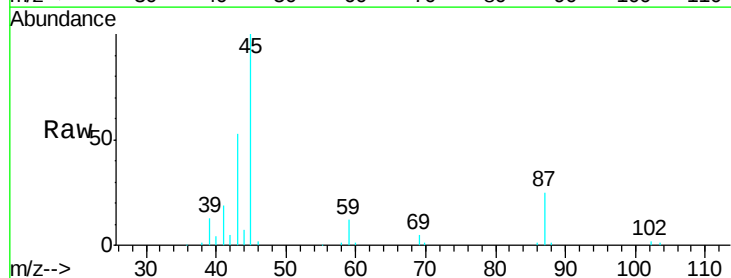
Ion Ratio Lower Upper

45 100

43 51.4 41.2 61.8

87 25.1 22.2 33.4

59 11.7 9.2 13.8



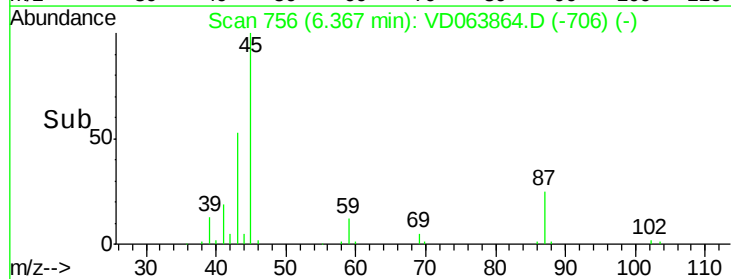
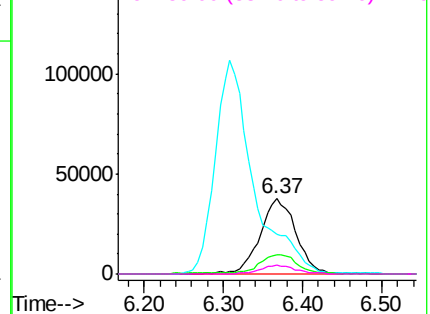
Abundance

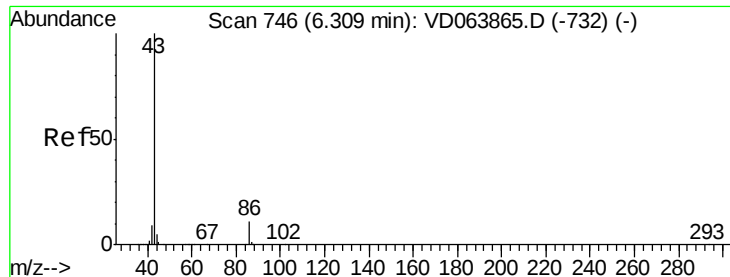
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.541 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

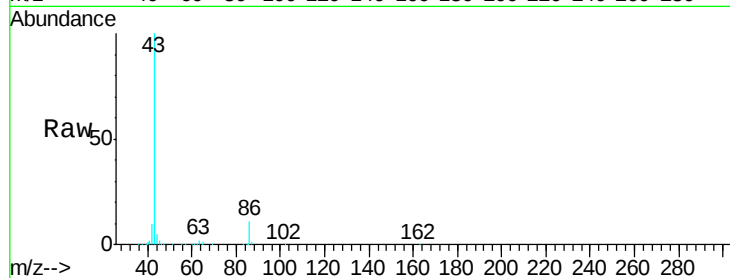
VSTDIC020

Tgt Ion: 43 Resp: 358780

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

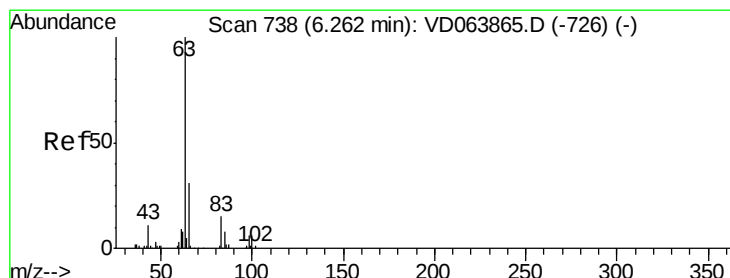
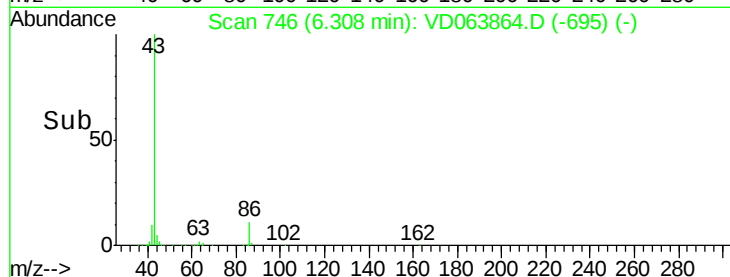
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.010 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

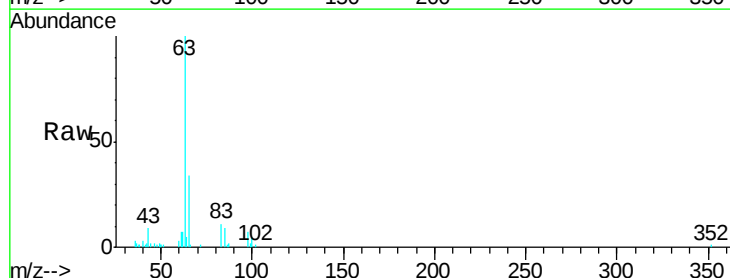
Tgt Ion: 63 Resp: 73307

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

100 5.4 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

30000

25000

20000

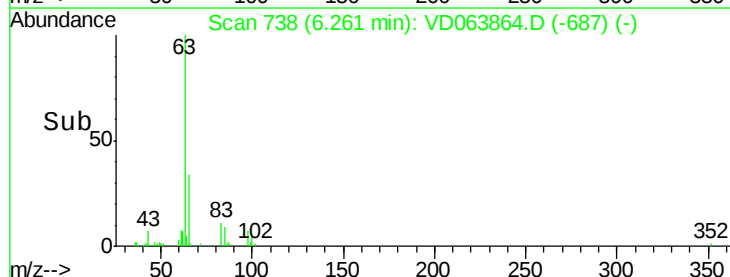
15000

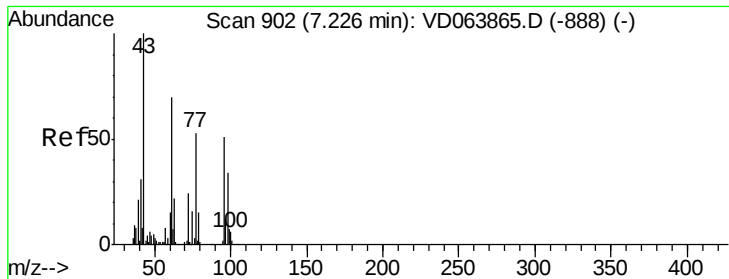
10000

5000

0

Time-->

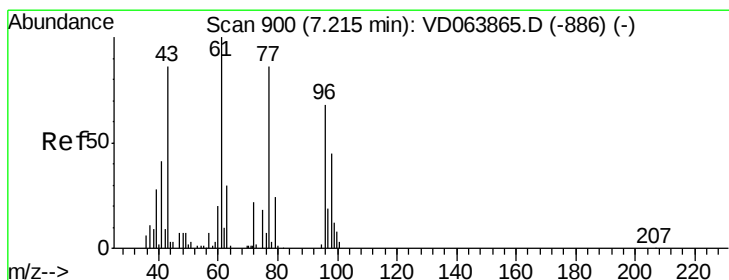
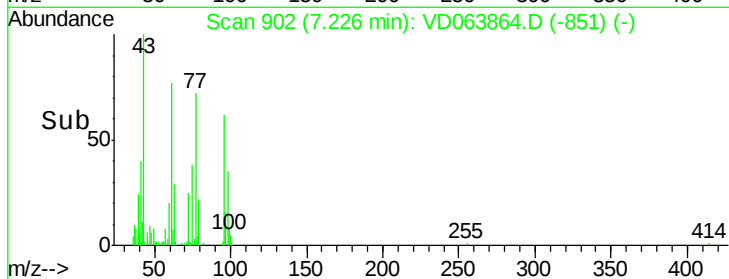
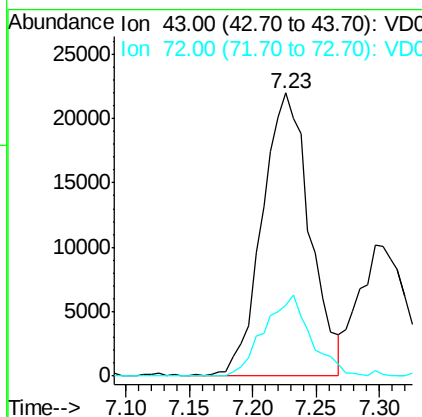
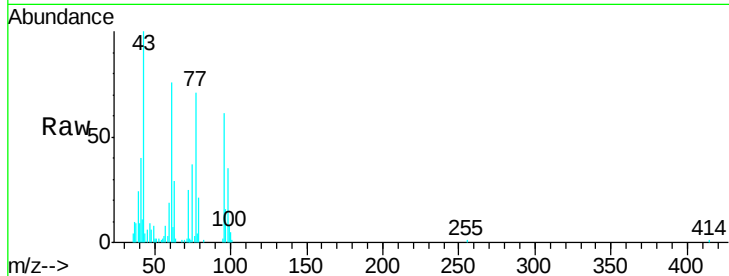




#25
2-Butanone
Concen: 98.987 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

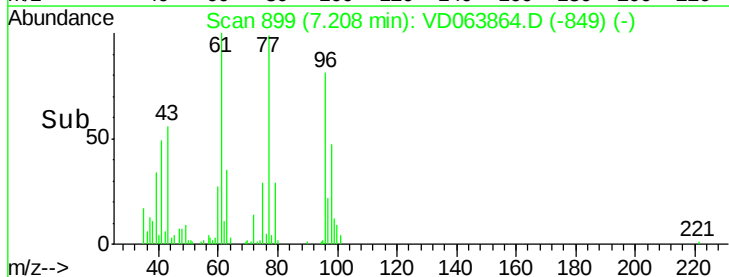
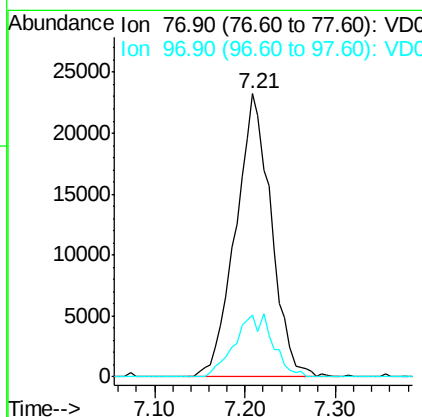
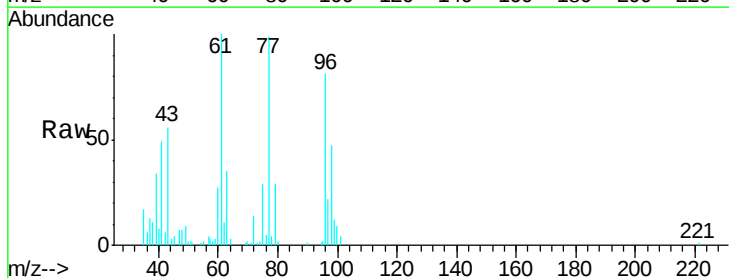
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

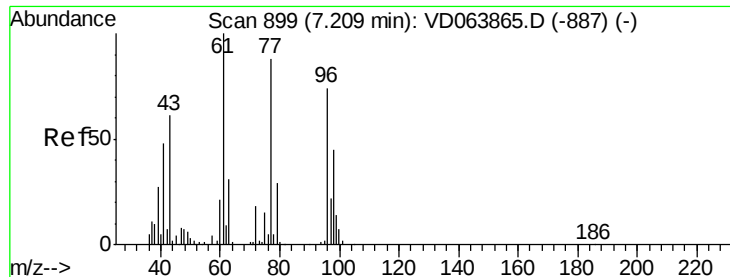
Tgt Ion: 43 Resp: 57699
Ion Ratio Lower Upper
43 100
72 25.1 19.2 28.8



#26
2,2-Dichloropropane
Concen: 19.543 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 77 Resp: 63072
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.1

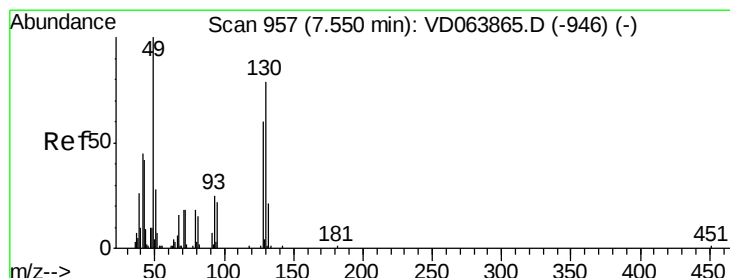
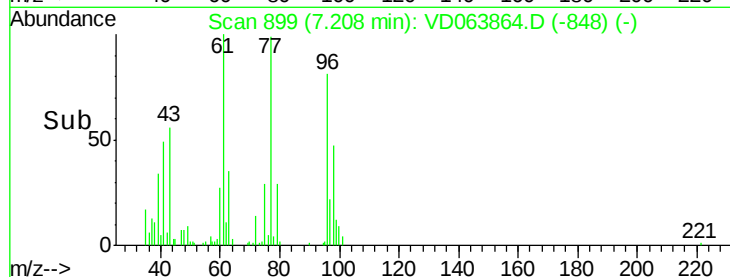
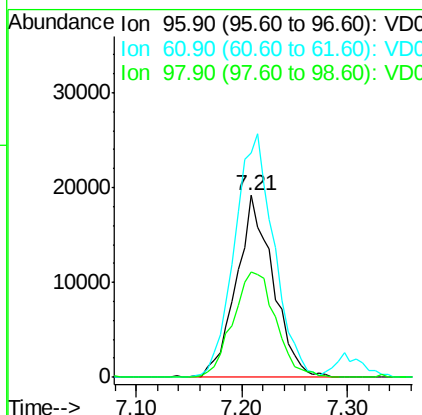
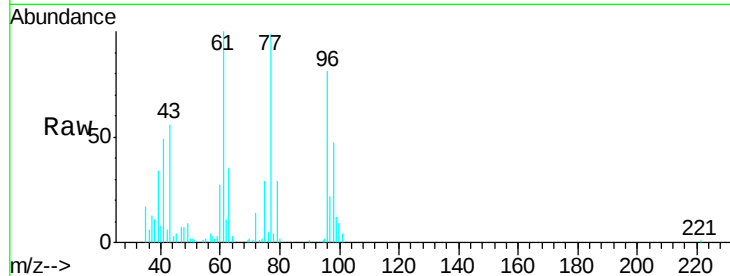




#27
 cis-1,2-Dichloroethene
 Concen: 20.240 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

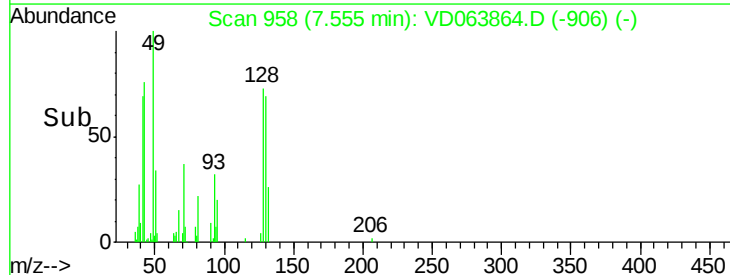
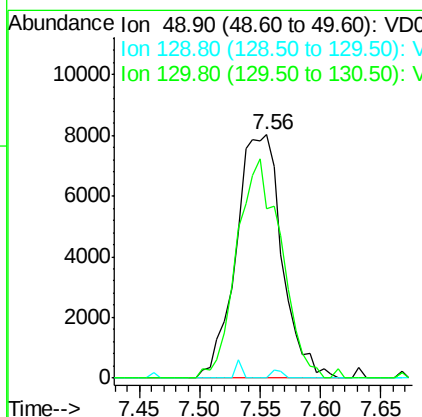
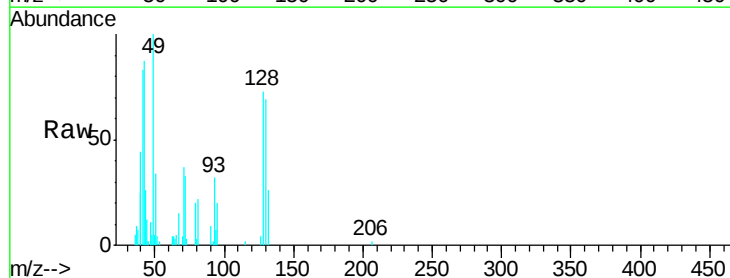
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

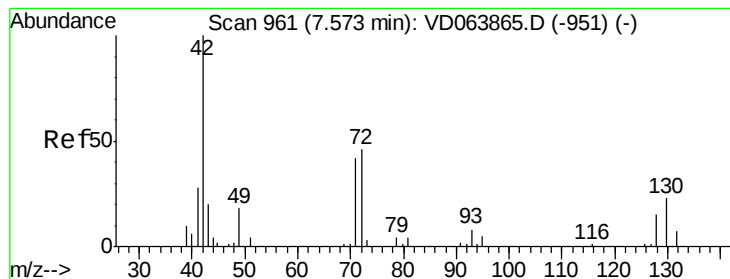
Tgt Ion: 96 Resp: 46266
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 280.0
 98 67.6 0.0 130.4



#28
 Bromochloromethane
 Concen: 15.798 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 49 Resp: 21198
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 5.6
 130 87.1 66.8 100.2





#29

Tetrahydrofuran

Concen: 108.294 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

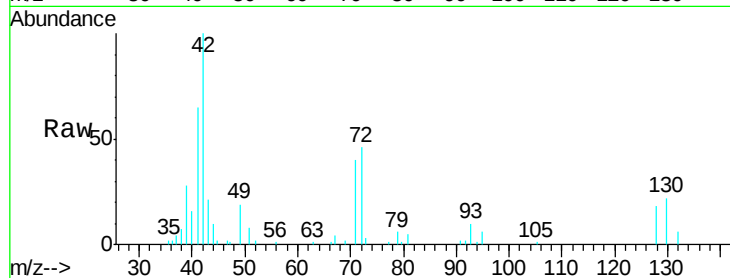
Tgt Ion: 42 Resp: 36884

Ion Ratio Lower Upper

42 100

72 41.3 37.6 56.4

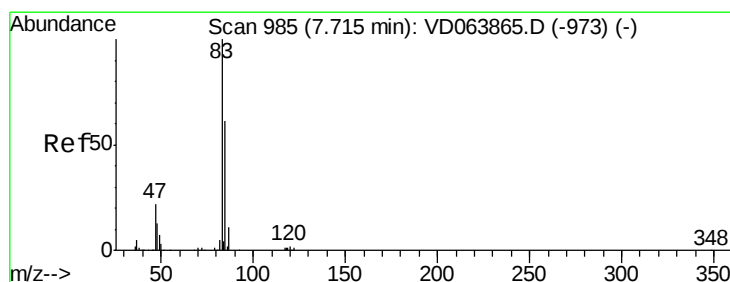
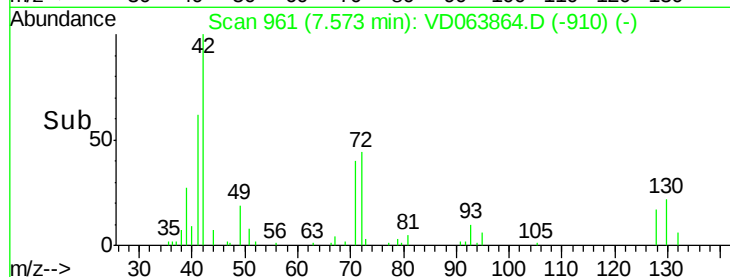
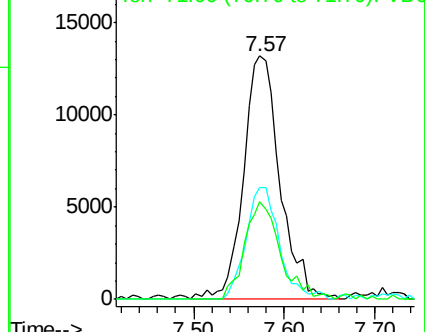
71 39.1 35.0 52.6



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: 21.562 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD063864.D

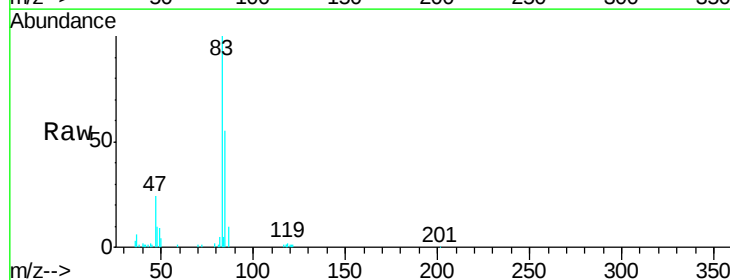
Acq: 02 Oct 2019 17:17

Tgt Ion: 83 Resp: 81294

Ion Ratio Lower Upper

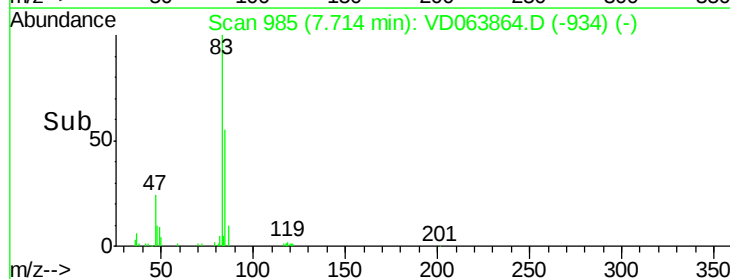
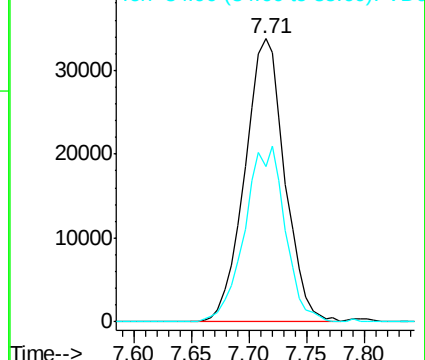
83 100

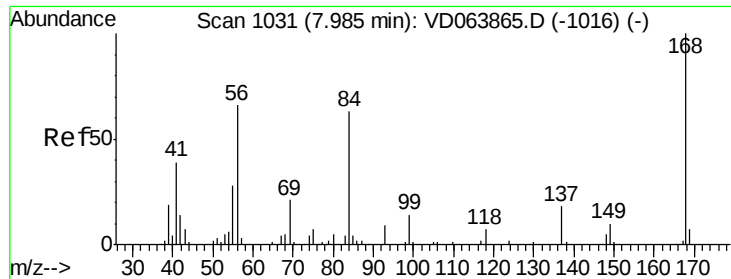
85 54.7 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

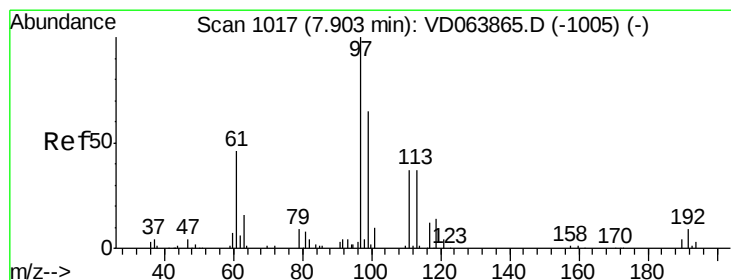
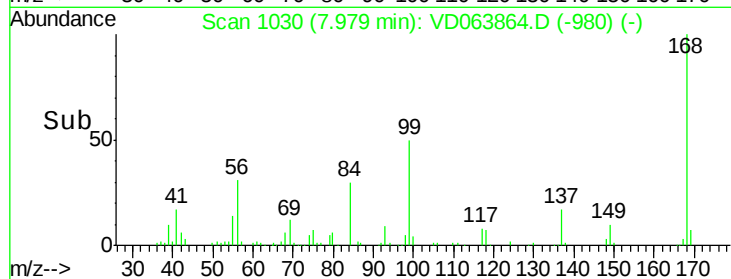
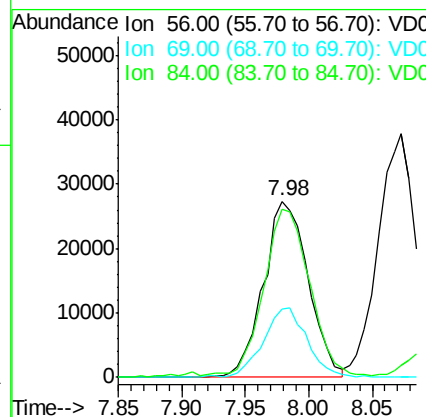
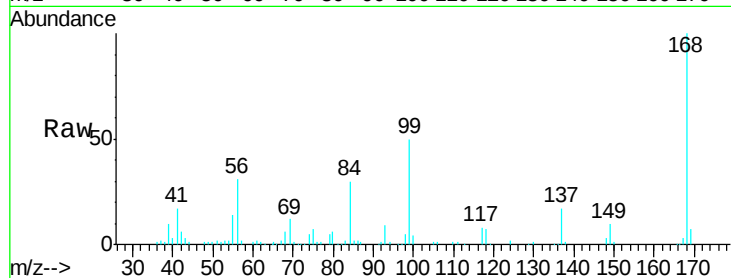




#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

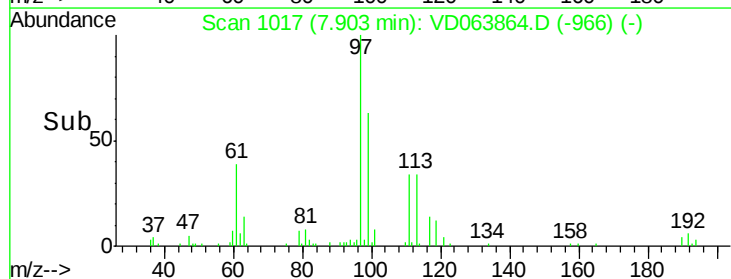
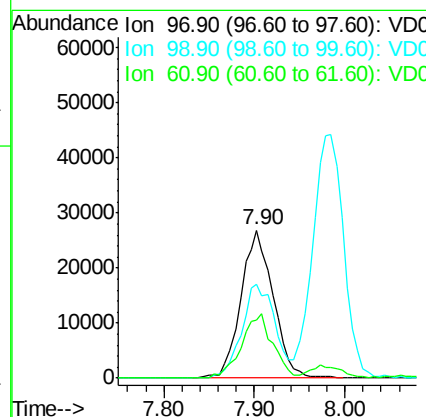
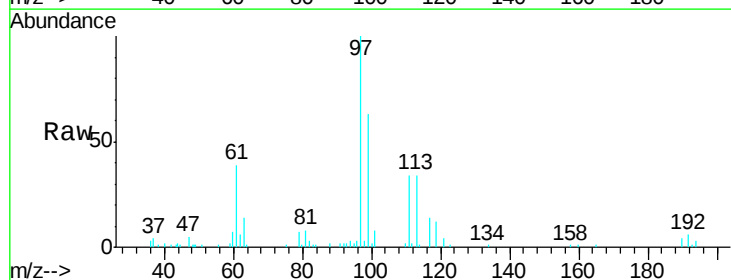
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

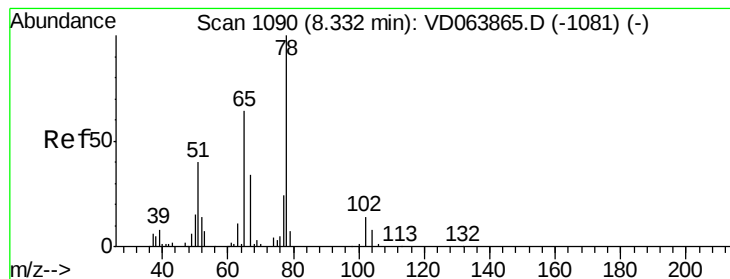
Tgt Ion: 56 Resp: 67290
Ion Ratio Lower Upper
56 100
69 38.5 25.0 37.4#
84 92.9 76.3 114.5



#32
1,1,1-Trichloroethane
Concen: 19.527 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 97 Resp: 66386
Ion Ratio Lower Upper
97 100
99 64.9 52.4 78.6
61 42.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 18.023 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

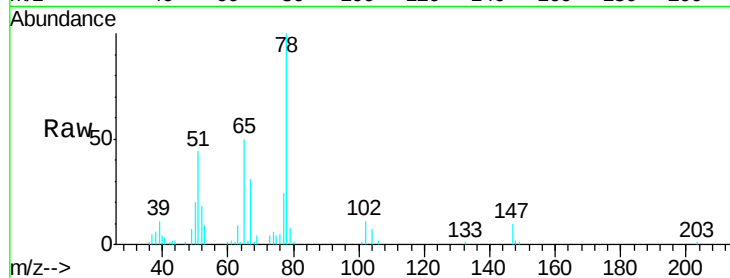
VSTDIC020

Tgt Ion: 65 Resp: 34892

Ion Ratio Lower Upper

65 100

67 58.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

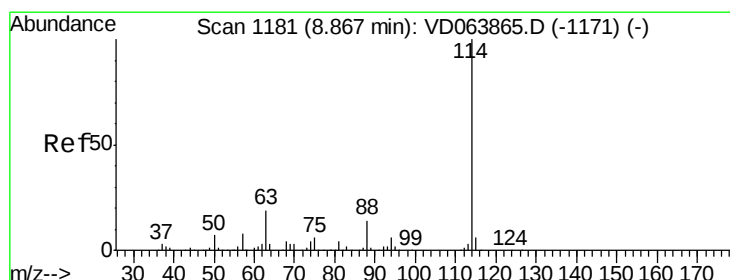
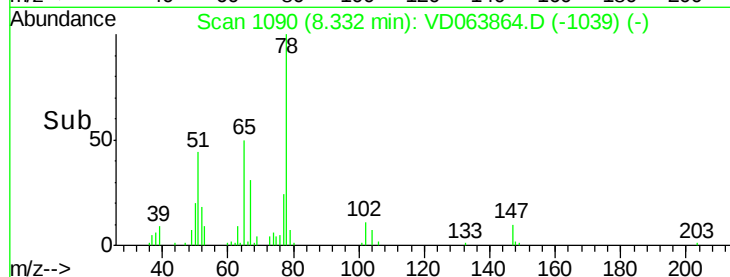
15000

10000

5000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

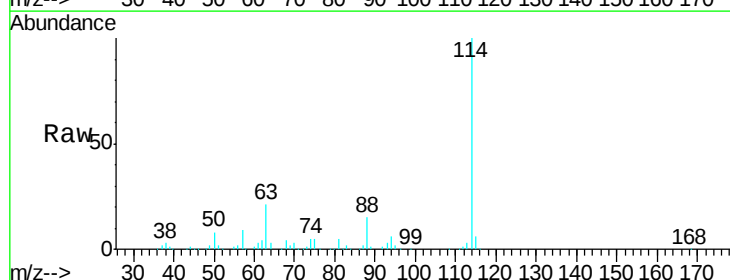
Tgt Ion: 114 Resp: 320951

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

88 14.8 0.0 27.4



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

8.87

200000

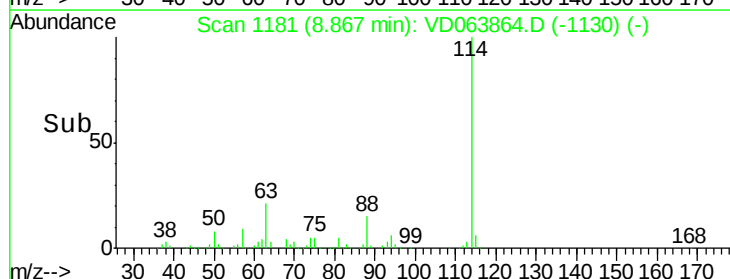
150000

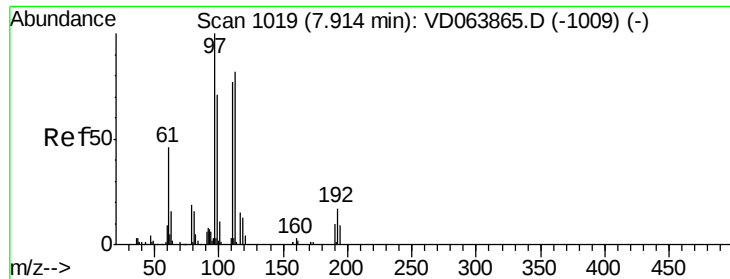
100000

50000

0

Time-->

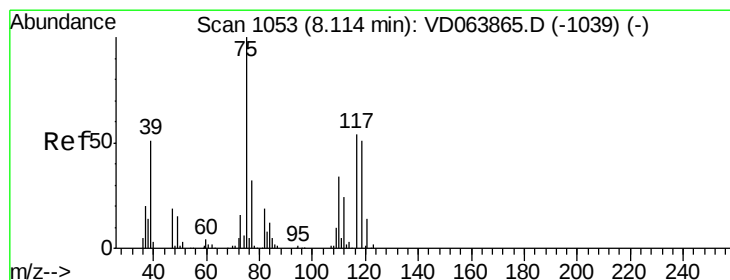
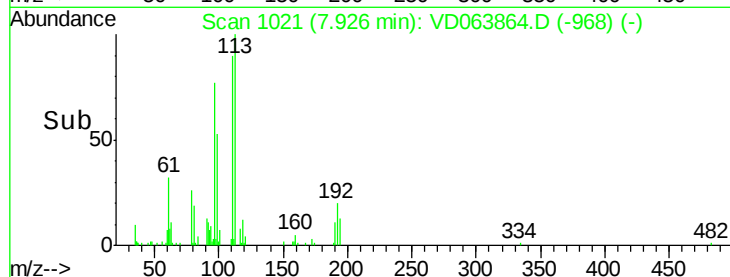
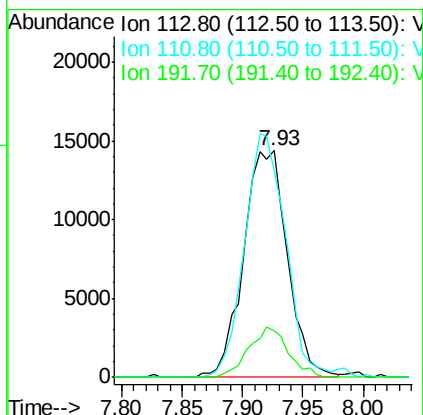
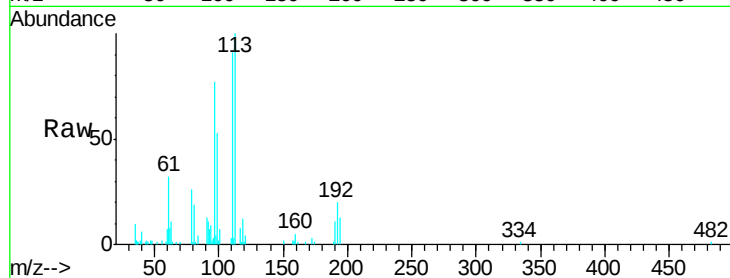




#35
 Dibromofluoromethane
 Concen: 18.004 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

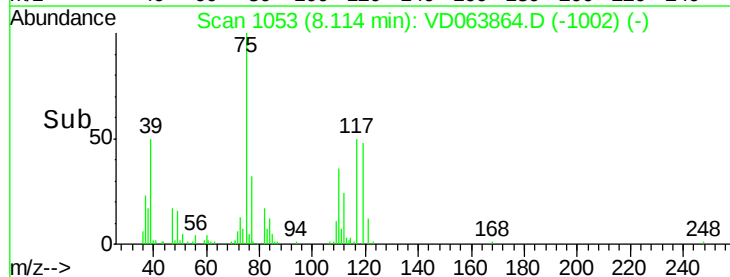
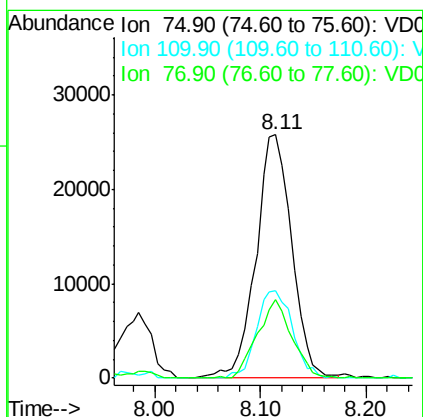
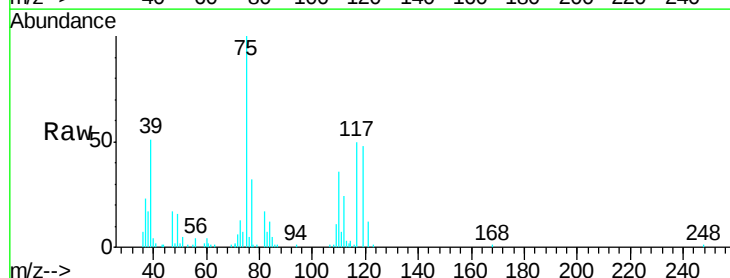
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

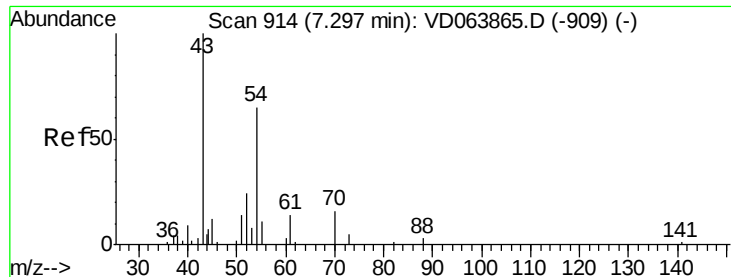
Tgt Ion:113 Resp: 36341
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.6 123.8
 192 19.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.884 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 75 Resp: 60618
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.4 52.3
 77 31.2 25.4 38.0

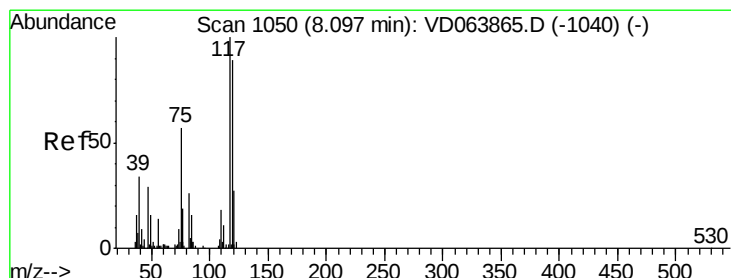
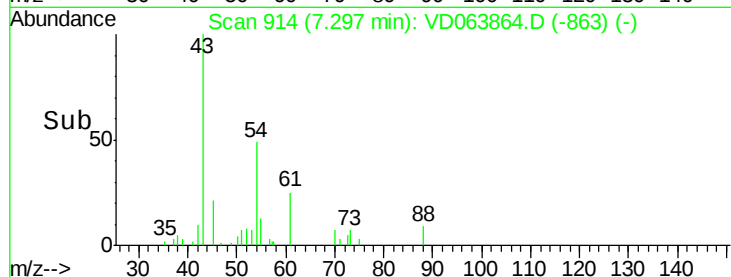
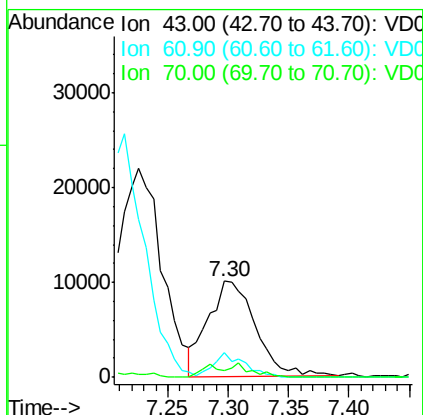
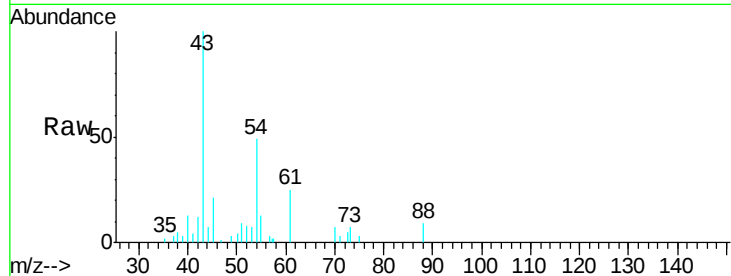




#37
Ethyl Acetate
Concen: 21.970 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

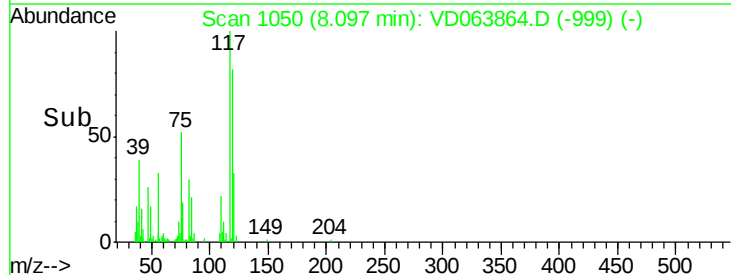
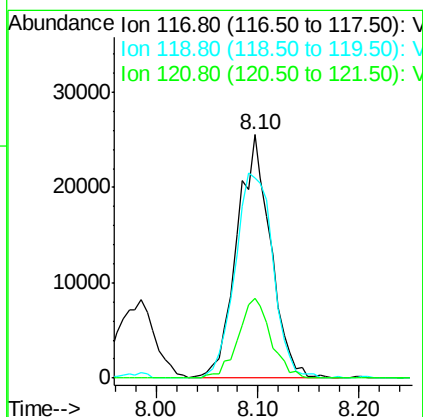
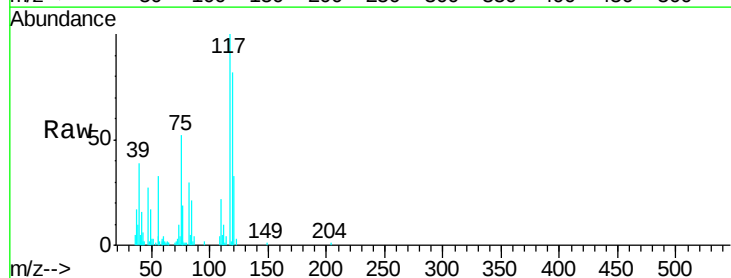
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

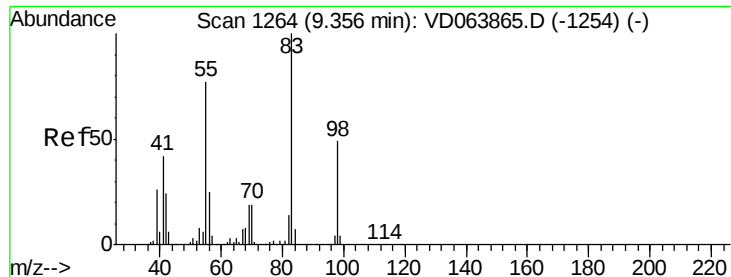
Tgt Ion: 43 Resp: 27220
Ion Ratio Lower Upper
43 100
61 16.7 11.5 17.3
70 6.8 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 19.782 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 117 Resp: 59352
Ion Ratio Lower Upper
117 100
119 82.4 70.8 106.2
121 32.9 21.4 32.0#

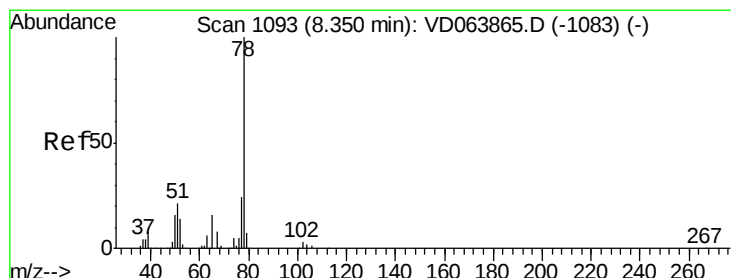
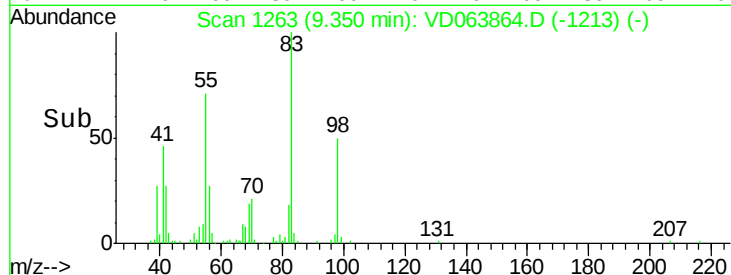
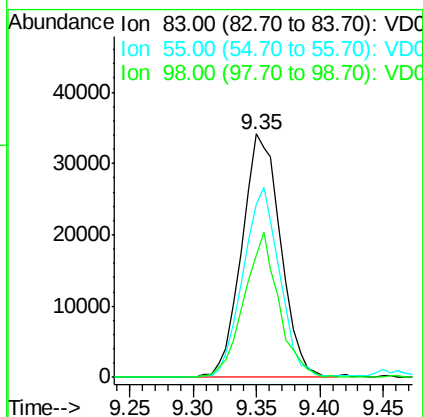
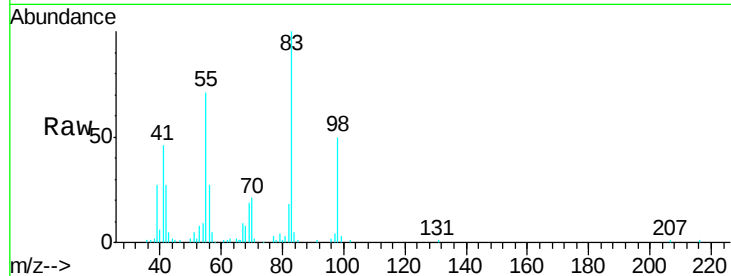




#39
Methylcyclohexane
Concen: 20.155 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

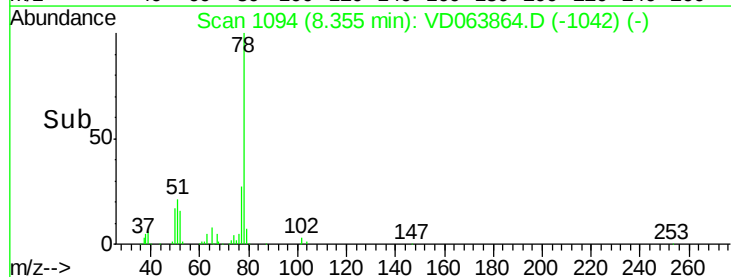
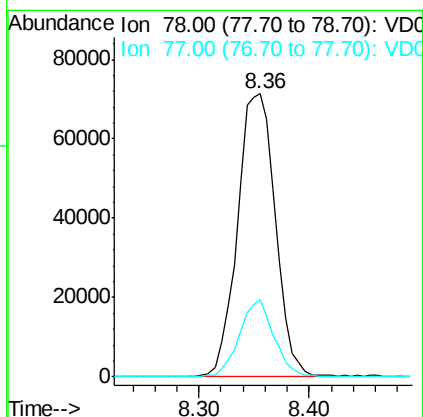
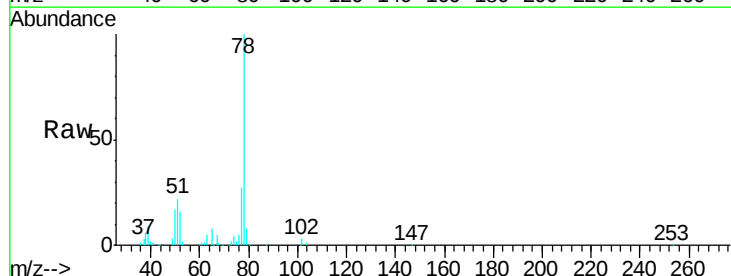
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

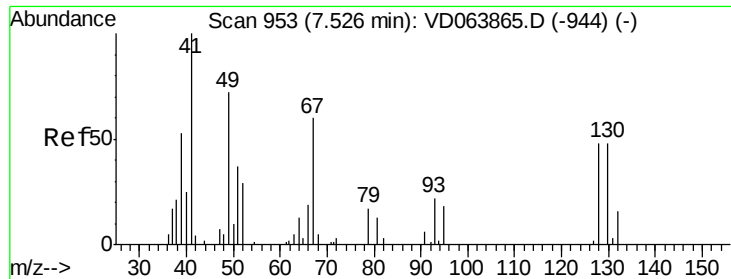
Tgt Ion: 83 Resp: 72642
Ion Ratio Lower Upper
83 100
55 71.0 61.3 91.9
98 50.1 39.3 58.9



#40
Benzene
Concen: 21.368 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 78 Resp: 171965
Ion Ratio Lower Upper
78 100
77 27.4 19.0 28.6

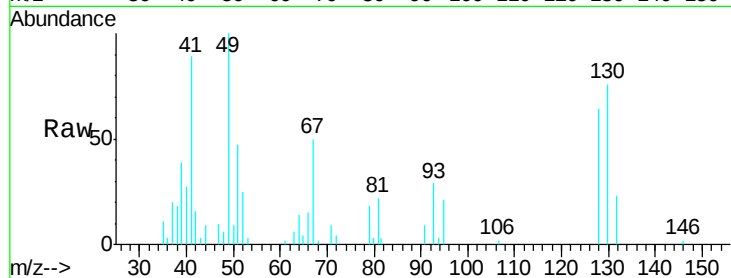




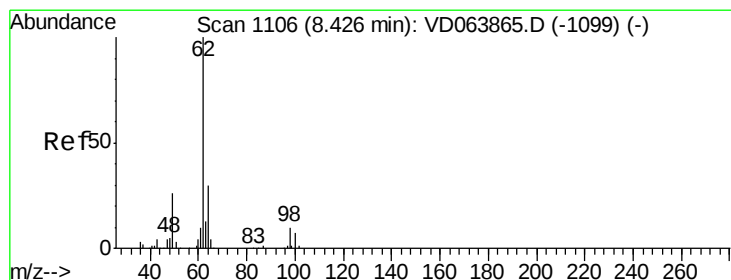
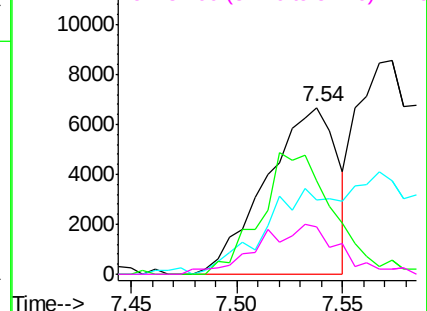
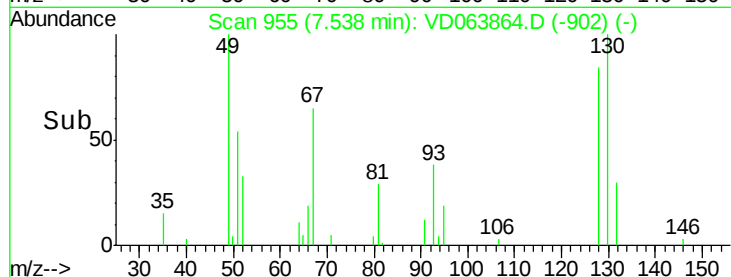
#41
Methacrylonitrile
Concen: 22.326 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 15642
Ion Ratio Lower Upper
41 100
39 53.6 52.6 78.8
67 74.7 74.2 111.2
52 34.2 34.0 51.0

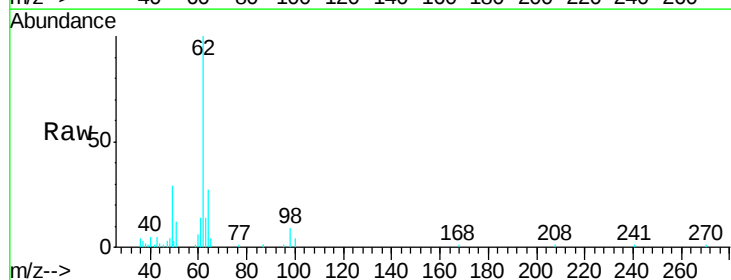


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

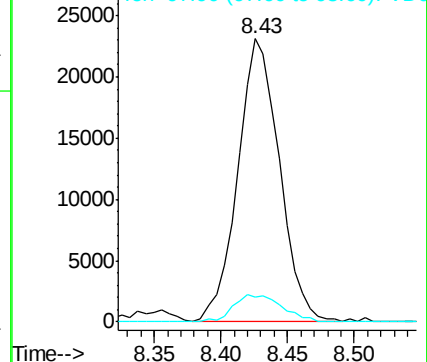
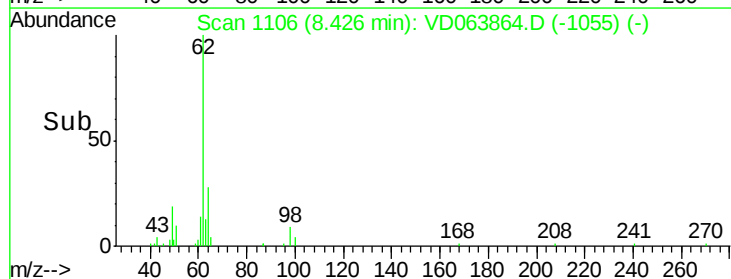


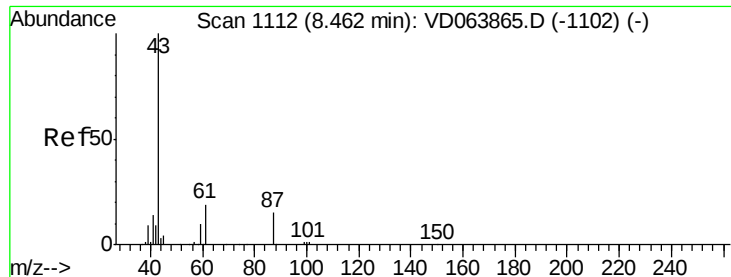
#42
1,2-Dichloroethane
Concen: 21.245 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 62 Resp: 50086
Ion Ratio Lower Upper
62 100
98 11.1 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: 21.091 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

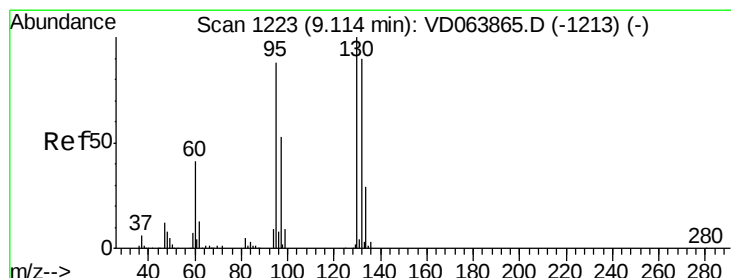
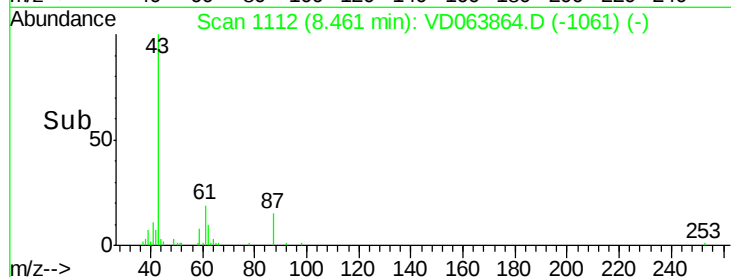
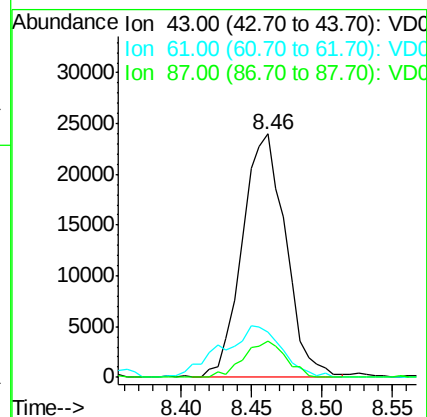
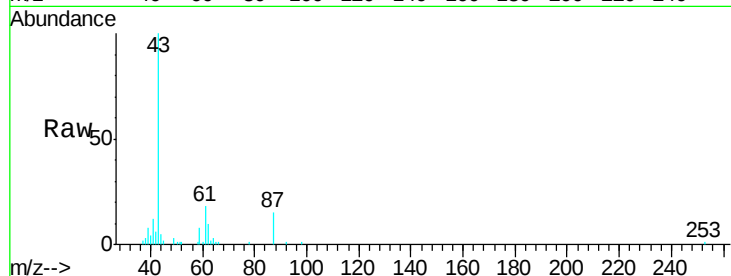
Tgt Ion: 43 Resp: 51558

Ion Ratio Lower Upper

43 100

61 29.3 25.7 38.5

87 14.4 11.6 17.4



#44

Trichloroethene

Concen: 21.398 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD063864.D

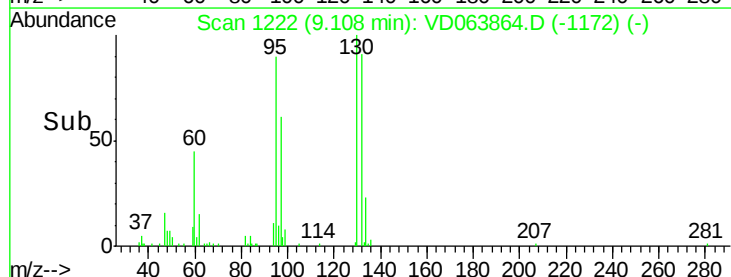
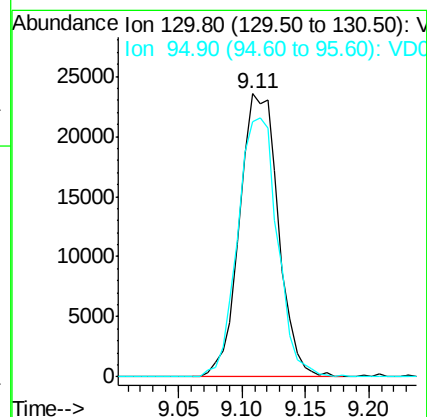
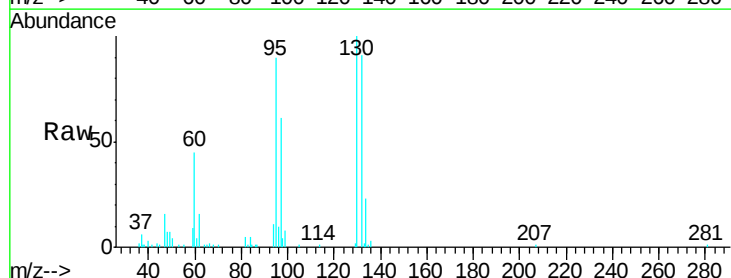
Acq: 02 Oct 2019 17:17

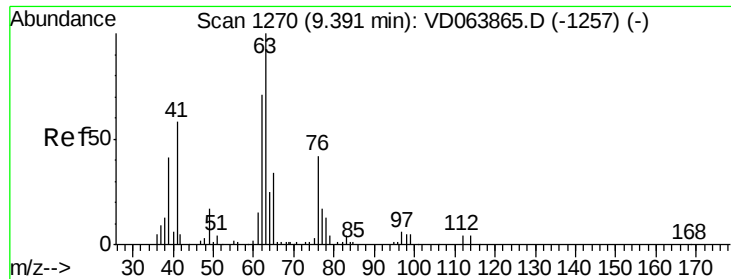
Tgt Ion: 130 Resp: 49968

Ion Ratio Lower Upper

130 100

95 90.4 0.0 175.6

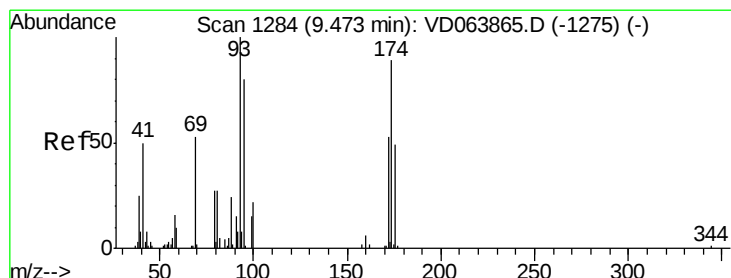
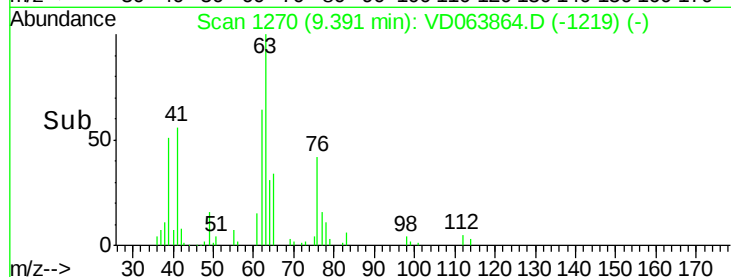
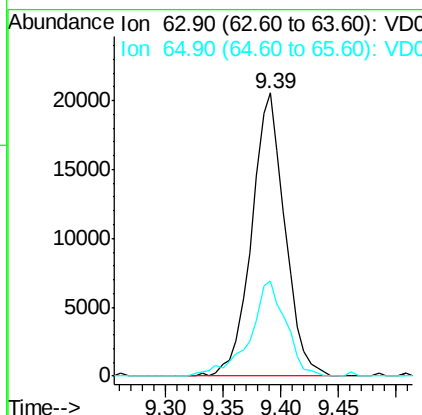
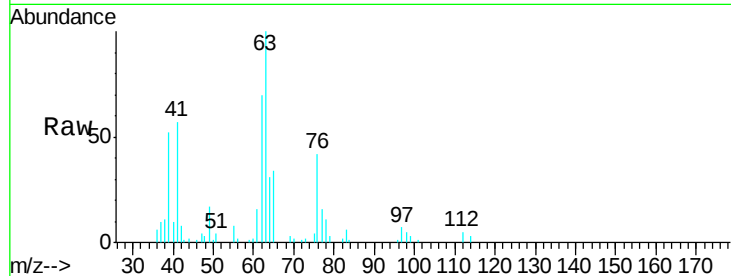




#45
 1,2-Dichloropropane
 Concen: 20.687 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

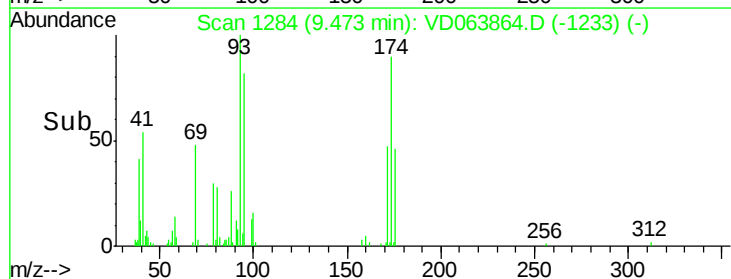
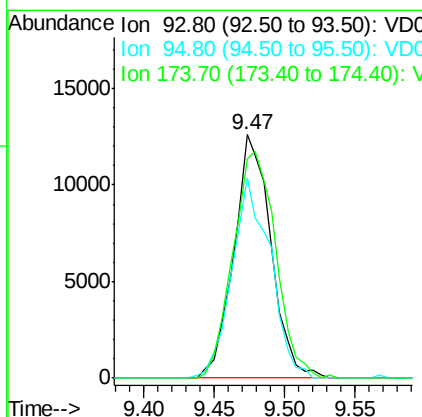
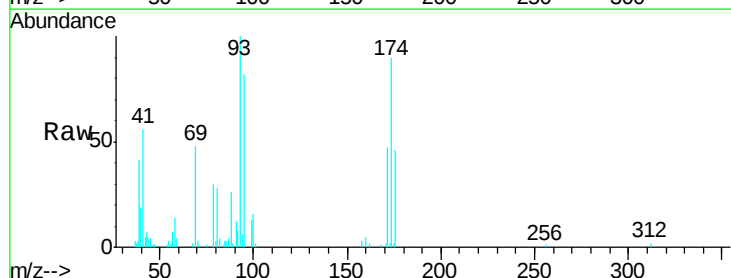
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

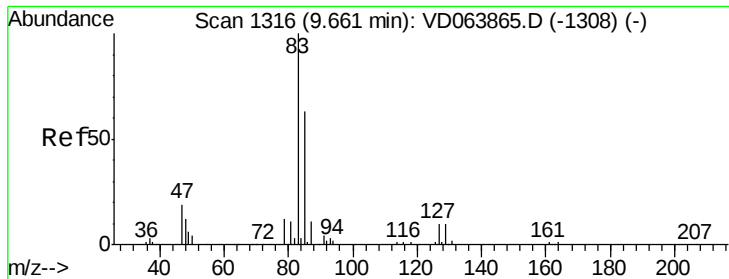
Tgt Ion: 63 Resp: 41189
 Ion Ratio Lower Upper
 63 100
 65 33.5 27.3 40.9



#46
 Dibromomethane
 Concen: 20.605 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 93 Resp: 23196
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.0 99.0
 174 107.2 83.4 125.0





#47

Bromodichloromethane

Concen: 21.086 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

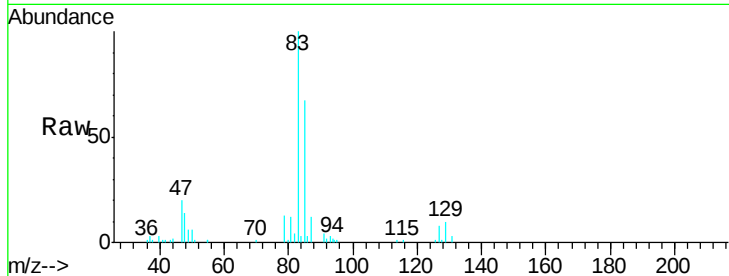
Tgt Ion: 83 Resp: 60972

Ion Ratio Lower Upper

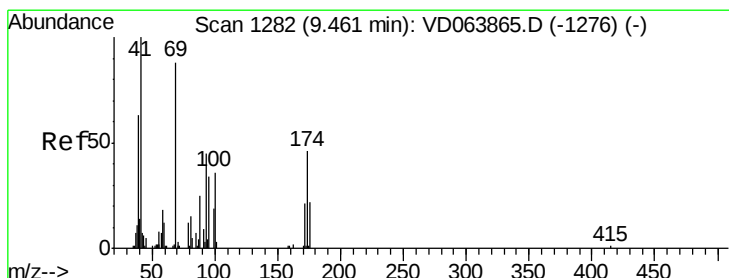
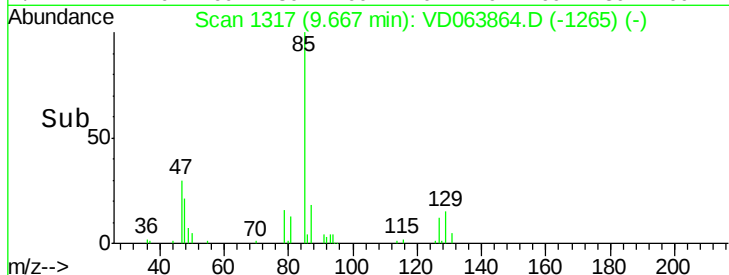
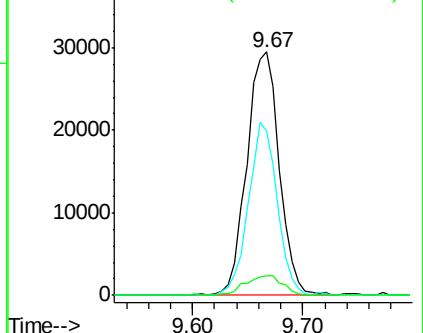
83 100

85 67.5 50.2 75.2

127 7.8 7.6 11.4



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: 22.411 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

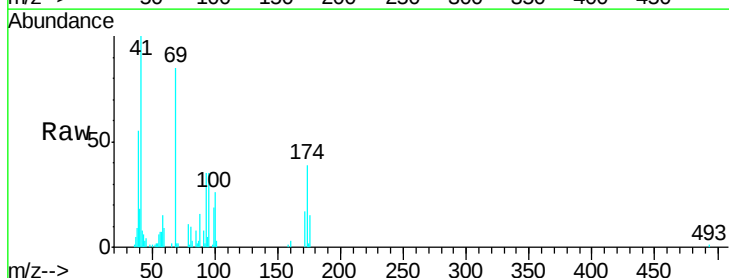
Tgt Ion: 41 Resp: 24972

Ion Ratio Lower Upper

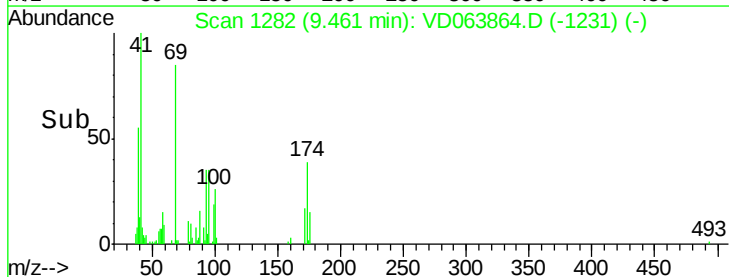
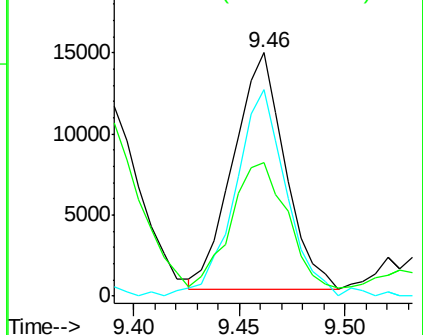
41 100

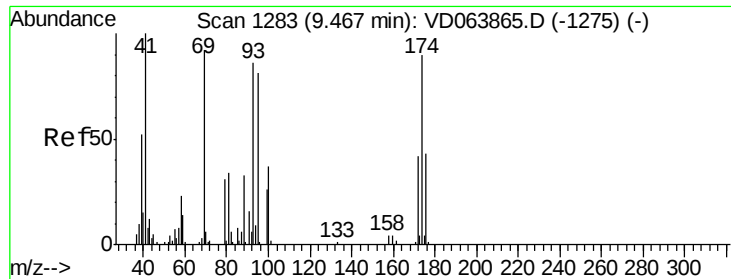
69 86.8 75.1 112.7

39 64.8 50.2 75.2



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

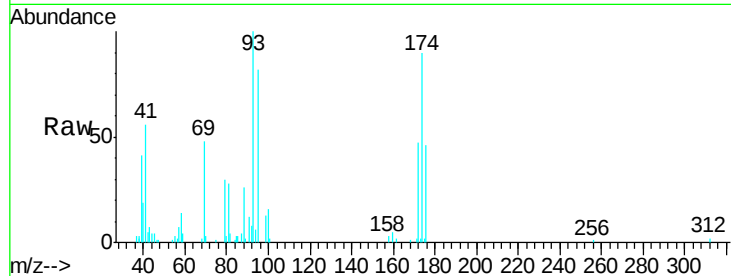




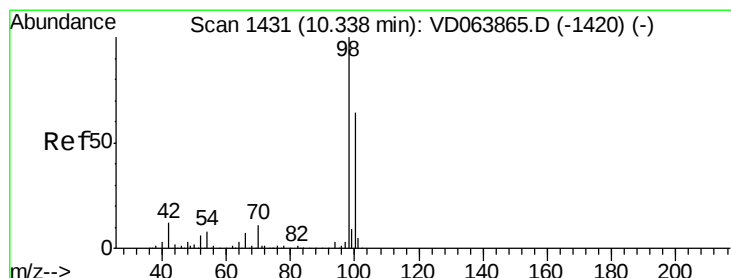
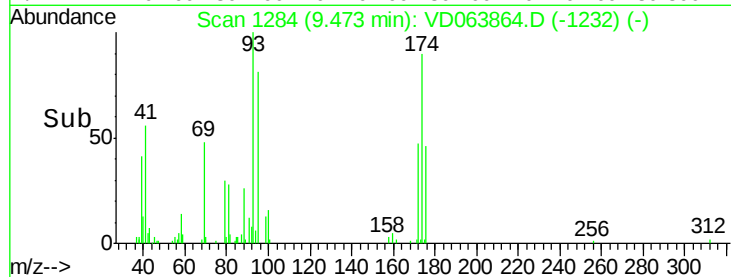
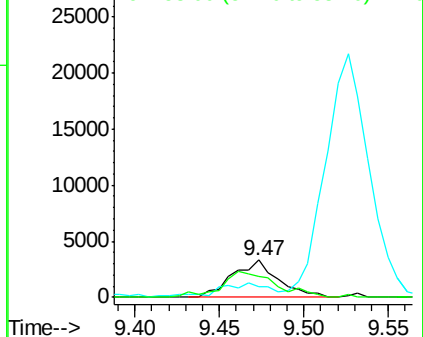
#49
1,4-Dioxane
Concen: 387.375 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 6177
Ion Ratio Lower Upper
88 100
43 45.0 27.6 41.4#
58 83.4 54.1 81.1#

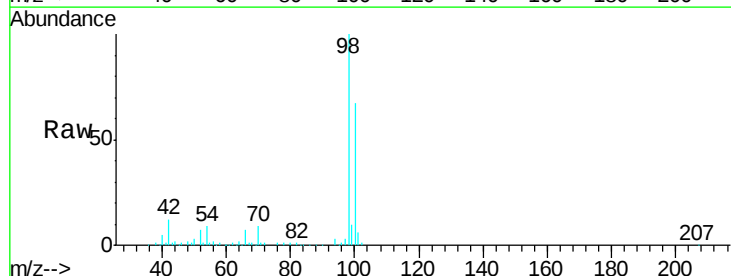


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

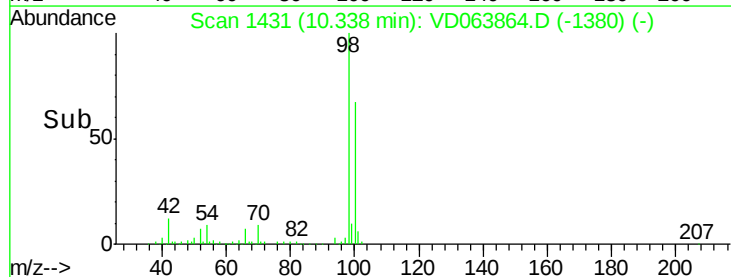
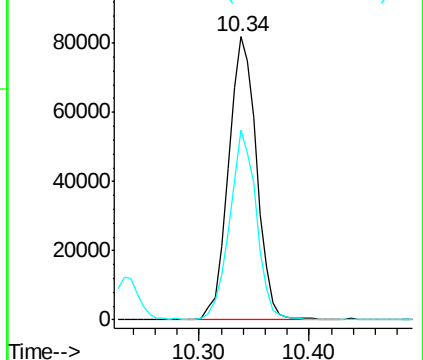


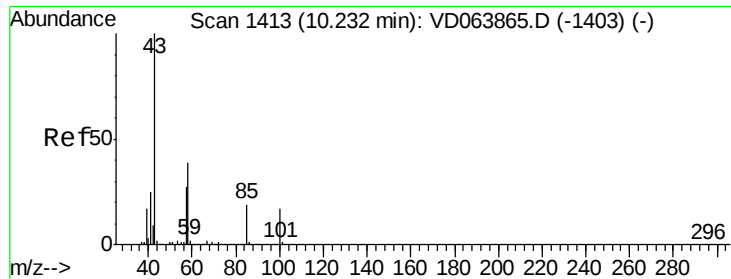
#50
Toluene-d8
Concen: 19.091 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 98 Resp: 145942
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



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

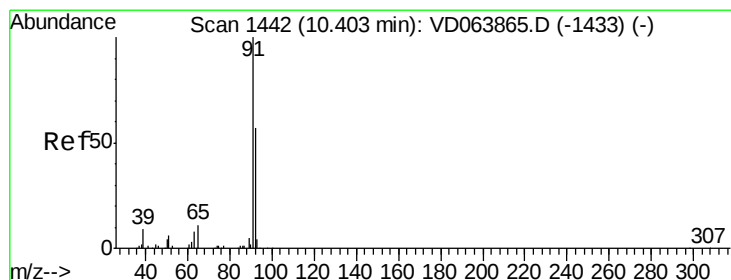
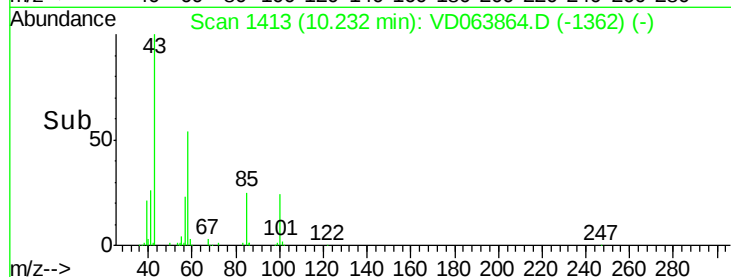
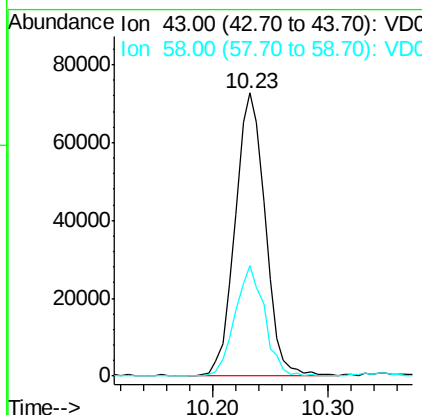
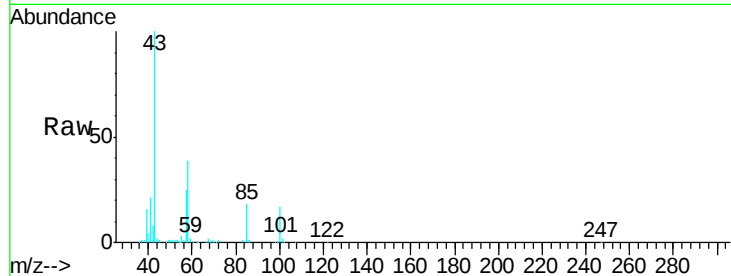




#51
 4-Methyl-2-Pentanone
 Concen: 105.967 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

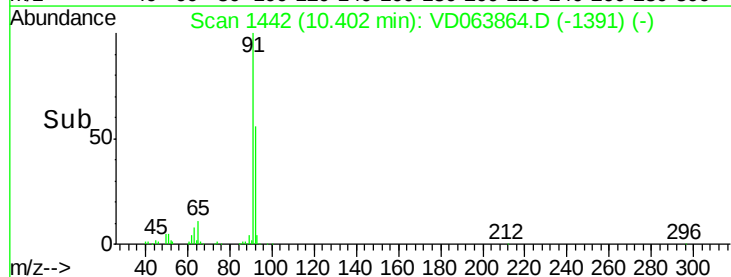
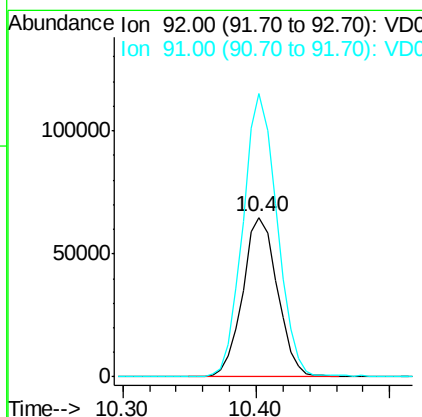
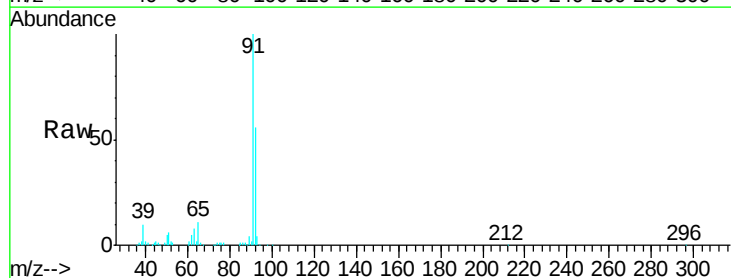
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

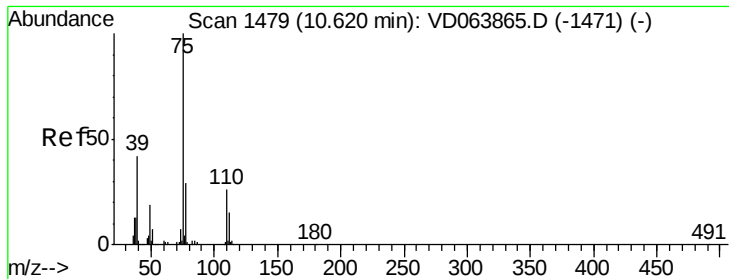
Tgt Ion: 43 Resp: 131381
 Ion Ratio Lower Upper
 43 100
 58 38.5 33.0 49.4



#52
 Toluene
 Concen: 21.247 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 92 Resp: 116202
 Ion Ratio Lower Upper
 92 100
 91 175.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.942 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

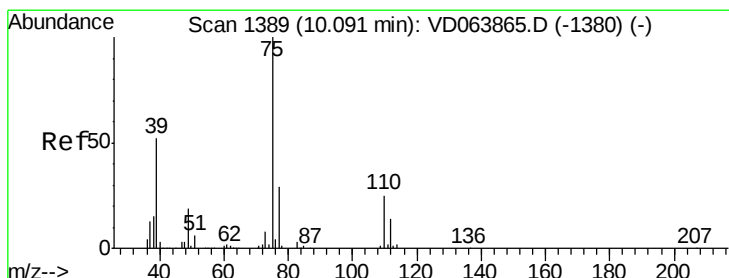
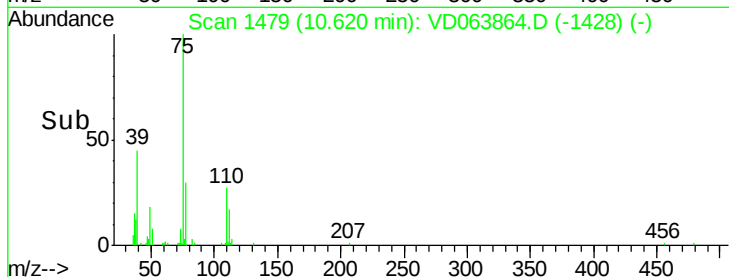
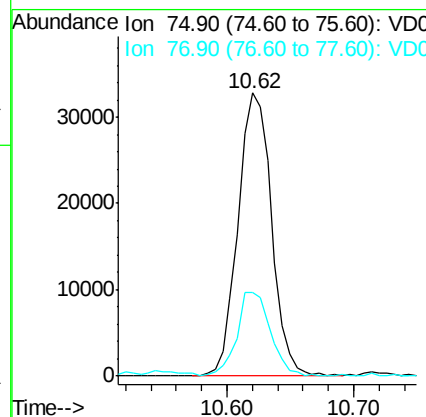
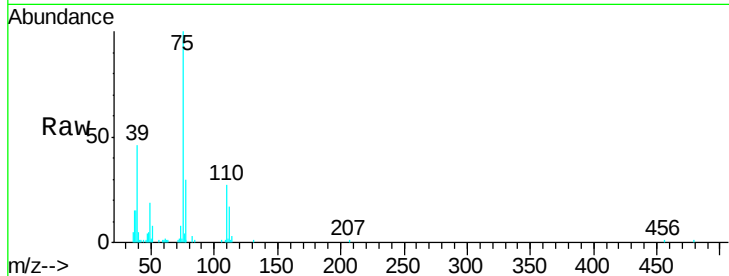
VSTDIC020

Tgt Ion: 75 Resp: 60064

Ion Ratio Lower Upper

75 100

77 29.1 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 21.049 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

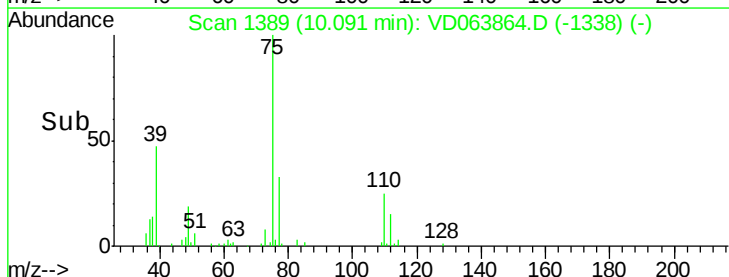
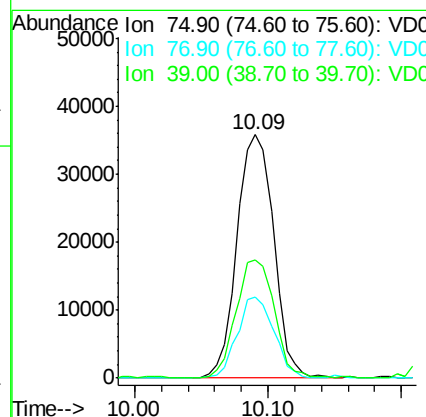
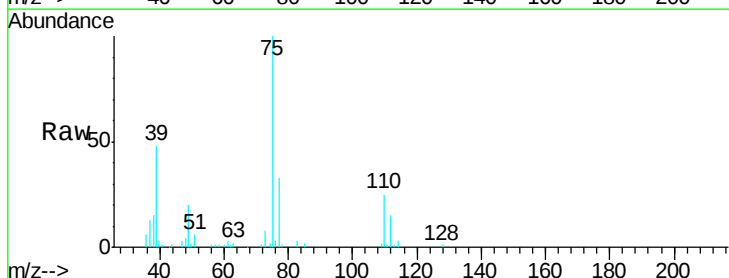
Tgt Ion: 75 Resp: 68367

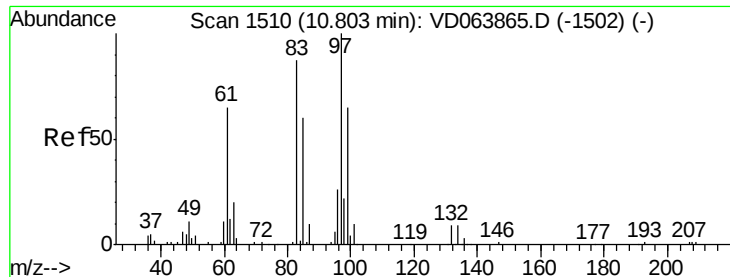
Ion Ratio Lower Upper

75 100

77 33.4 23.2 34.8

39 48.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.990 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 33268

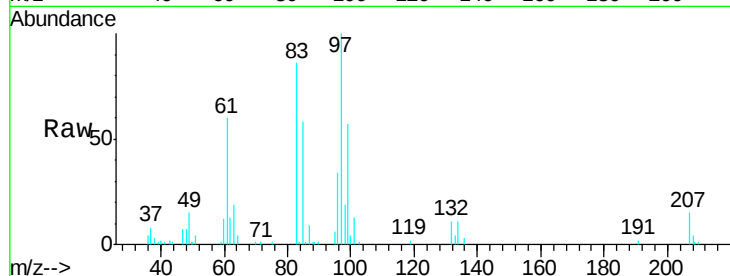
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.7	104.5
85	58.5	48.1	72.1
99	57.2	51.9	77.9

97 100

83 85.9 69.7 104.5

85 58.5 48.1 72.1

99 57.2 51.9 77.9

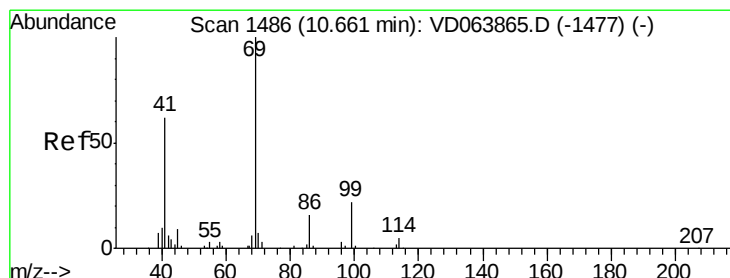
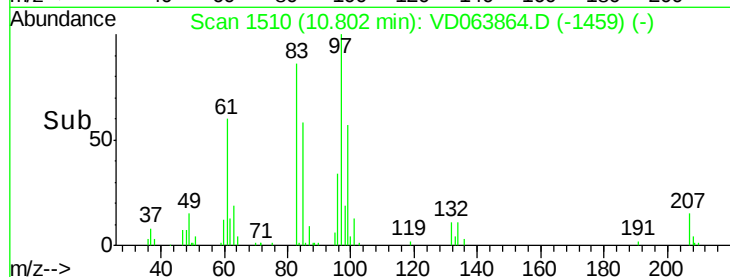
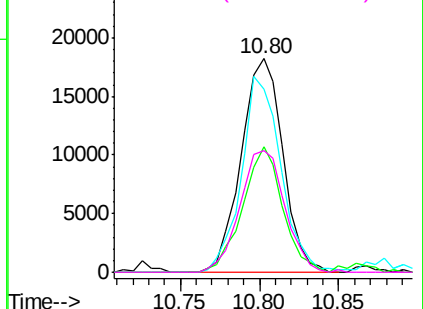


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.863 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

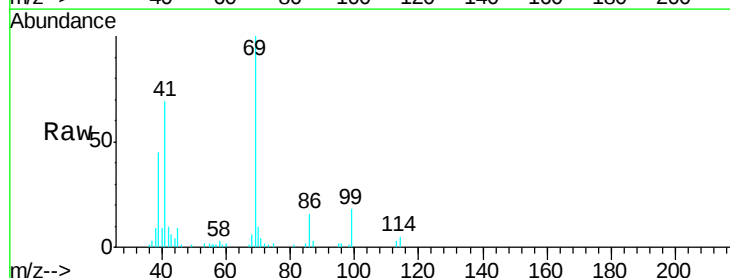
Tgt Ion: 69 Resp: 42162

Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.3	76.9
39	39.1	28.0	42.0

69 100

41 64.4 51.3 76.9

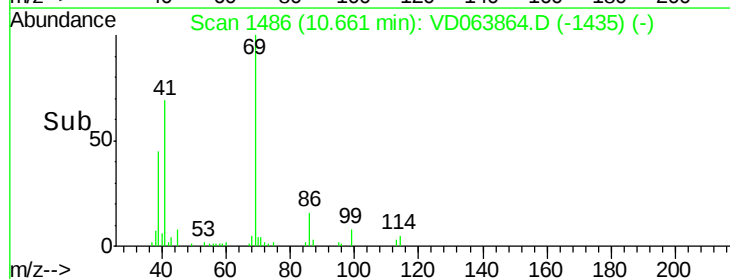
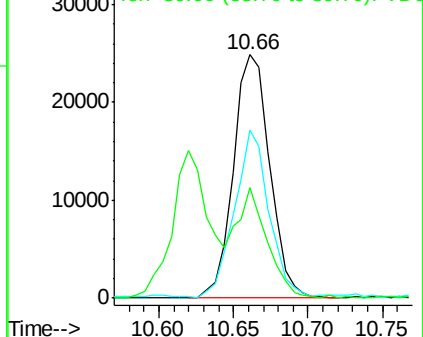
39 39.1 28.0 42.0

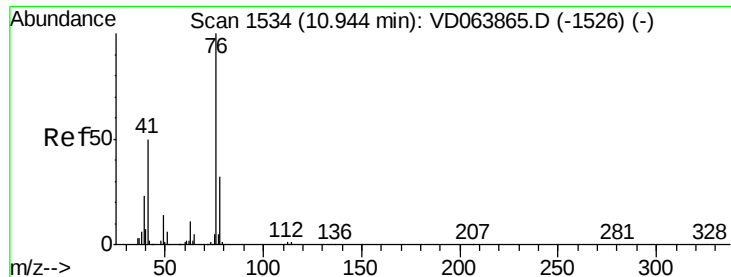


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.323 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

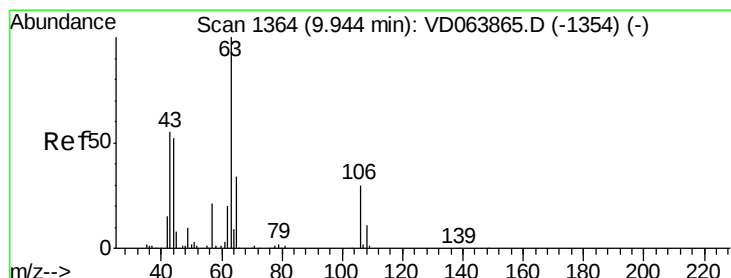
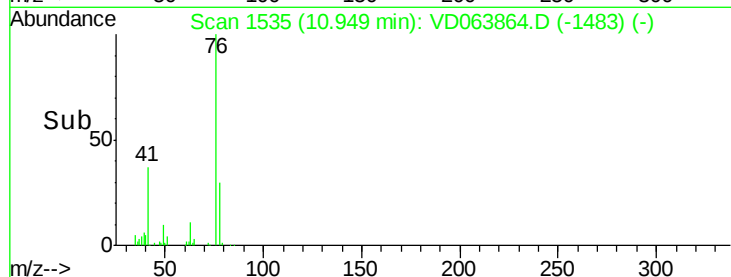
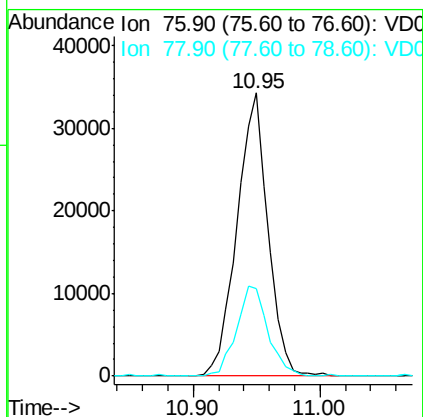
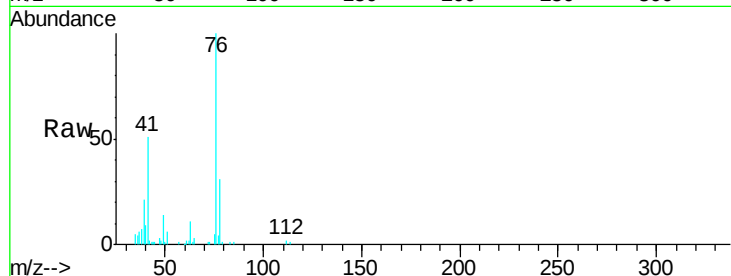
VSTDIC020

Tgt Ion: 76 Resp: 57808

Ion Ratio Lower Upper

76 100

78 32.2 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 91.016 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063864.D

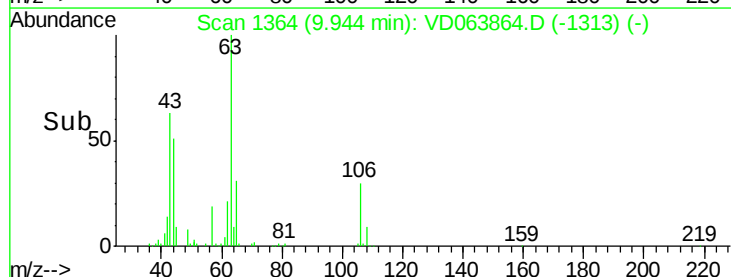
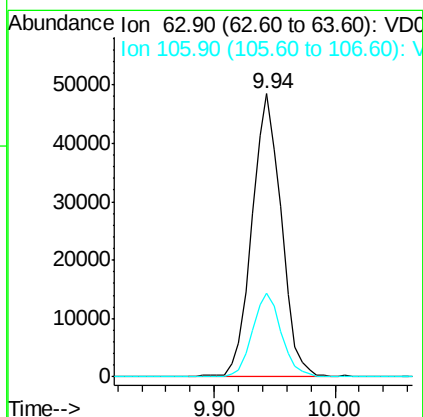
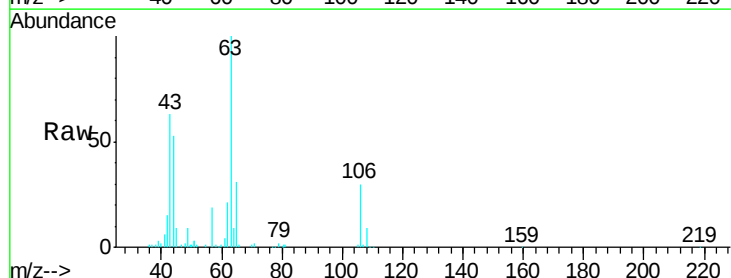
Acq: 02 Oct 2019 17:17

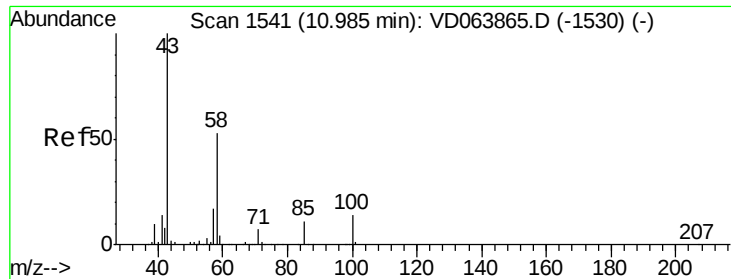
Tgt Ion: 63 Resp: 82174

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5

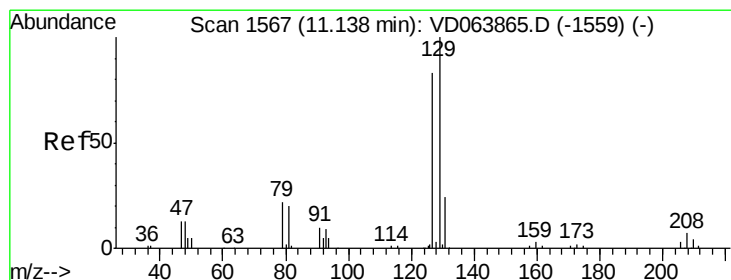
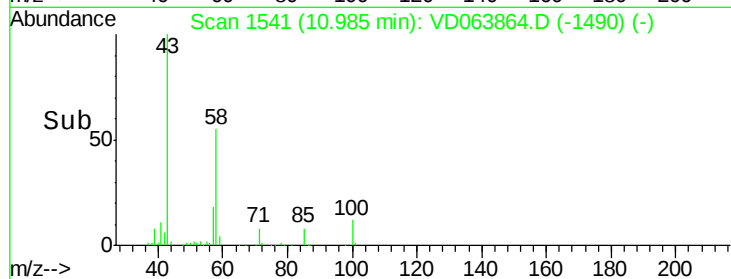
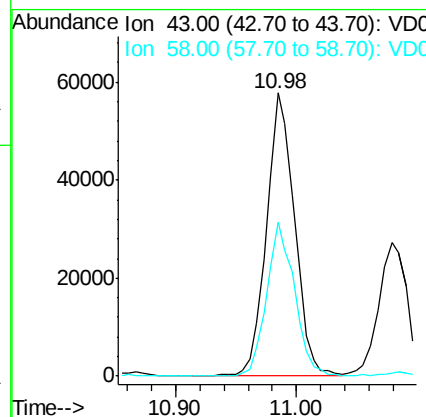
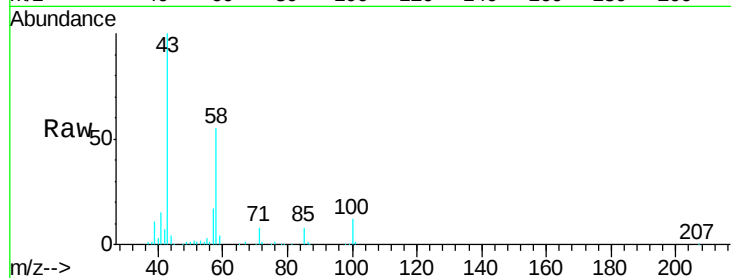




#59
2-Hexanone
Concen: 103.546 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

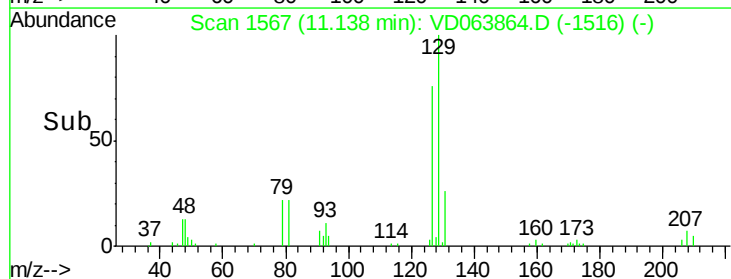
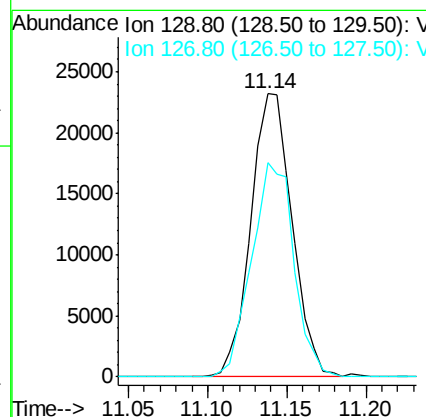
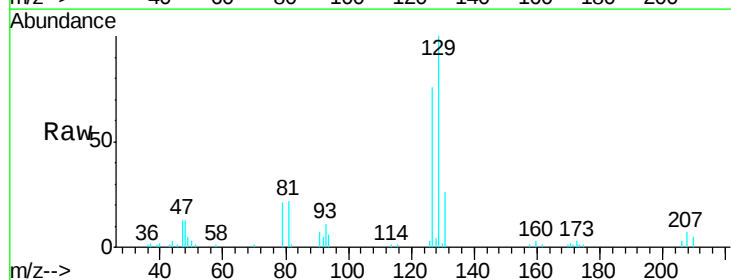
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

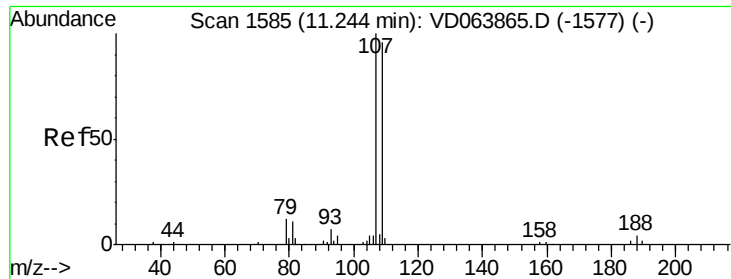
Tgt Ion: 43 Resp: 93101
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0



#60
Dibromochloromethane
Concen: 20.106 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 129 Resp: 42101
Ion Ratio Lower Upper
129 100
127 77.7 39.9 119.6

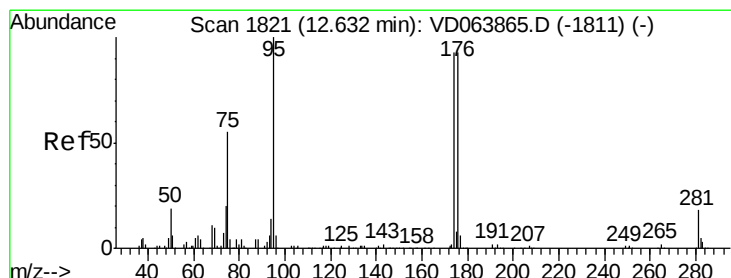
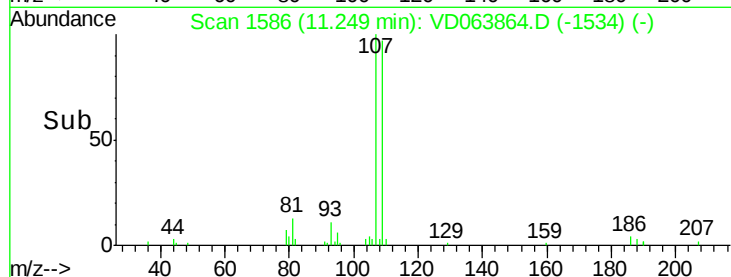
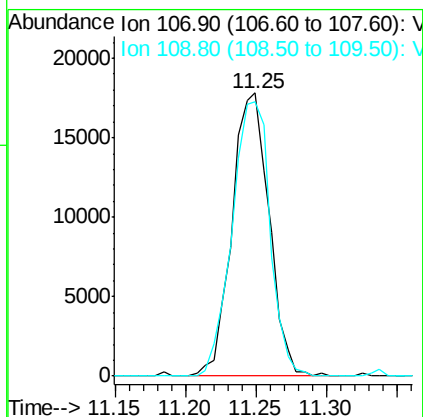
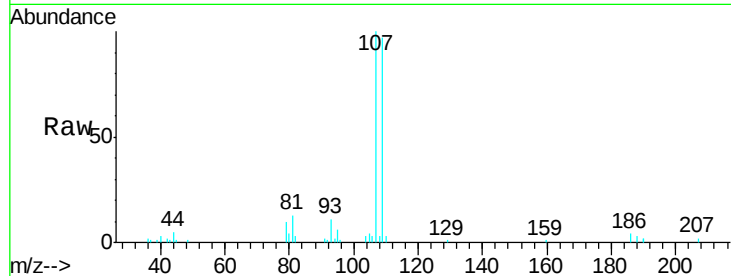




#61
 1,2-Dibromoethane
 Concen: 20.572 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

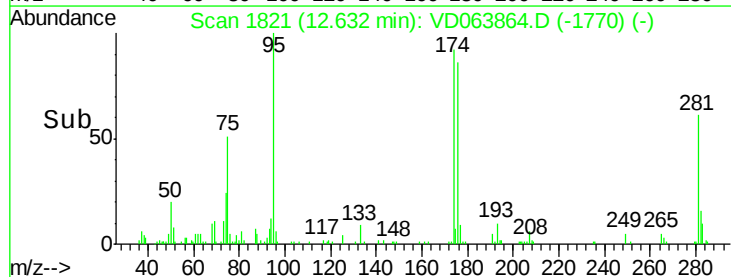
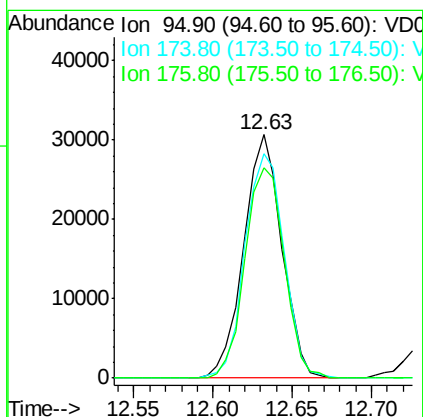
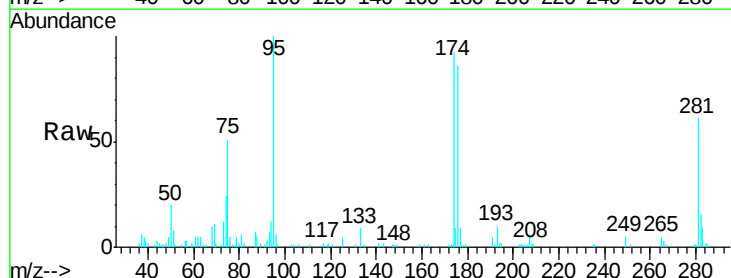
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

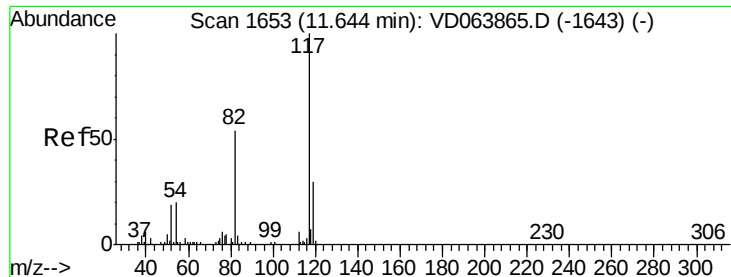
Tgt Ion: 107 Resp: 32713
 Ion Ratio Lower Upper
 107 100
 109 99.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 18.640 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 95 Resp: 51346
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.4
 176 88.9 0.0 184.2

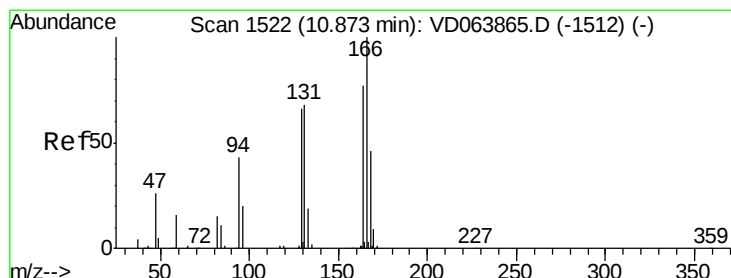
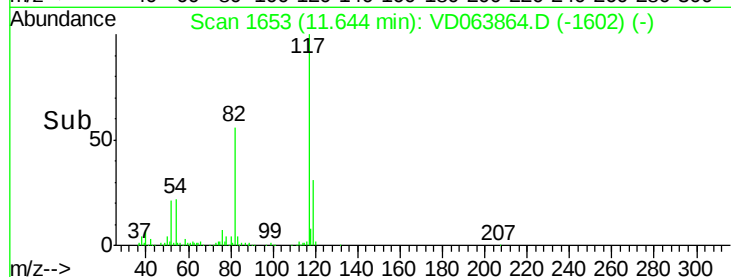
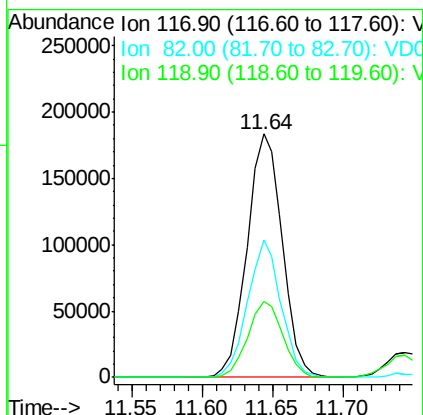
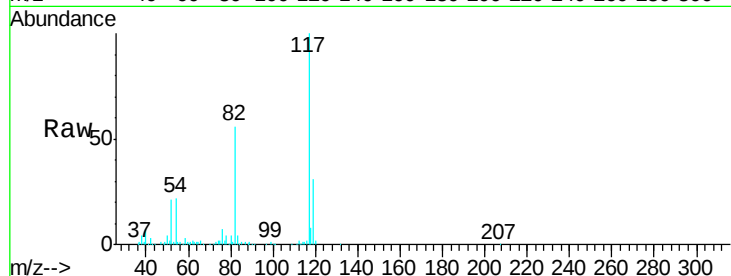




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

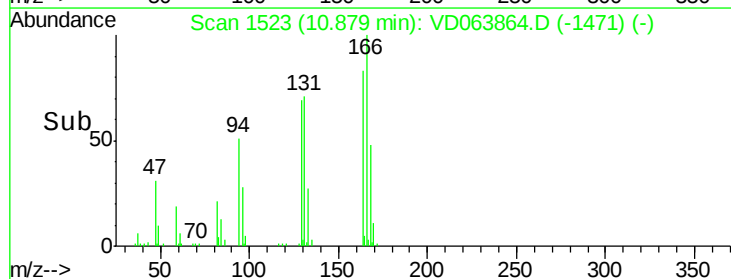
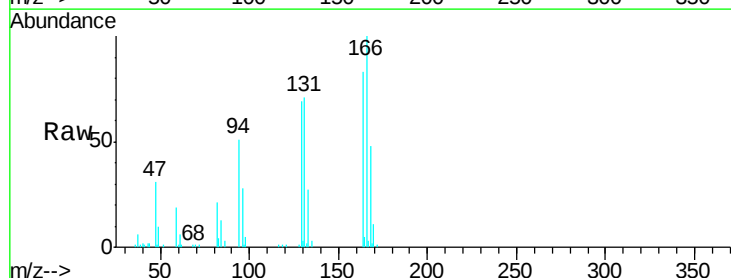
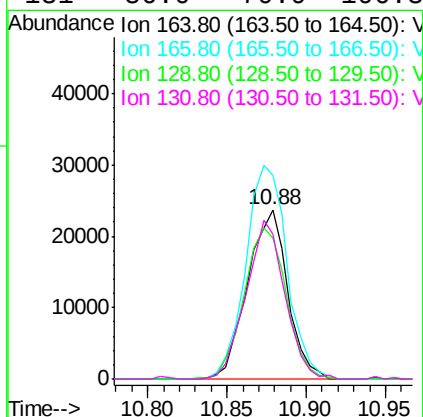
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

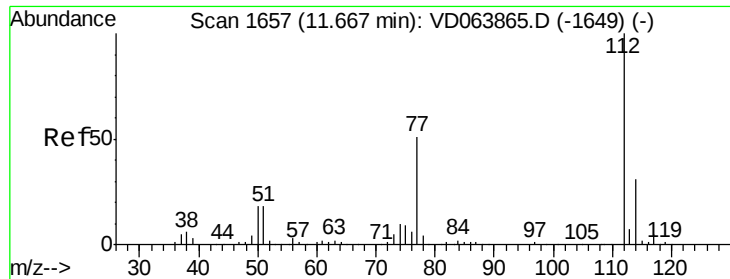
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	31.3	24.4	36.6



#64
Tetrachloroethene
Concen: 19.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	103.8	155.6
129	83.7	68.9	103.3
131	86.0	70.9	106.3

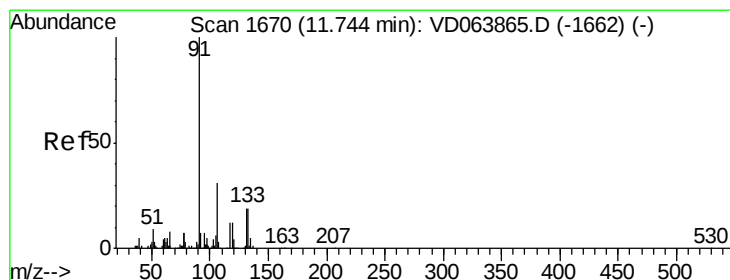
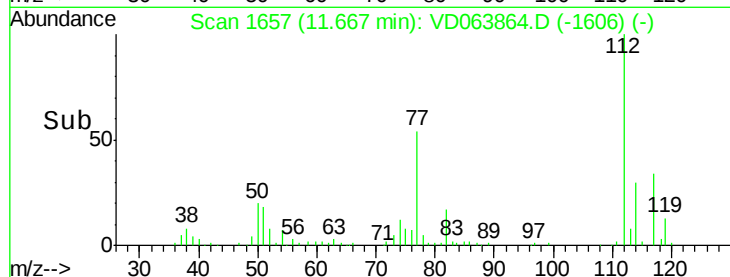
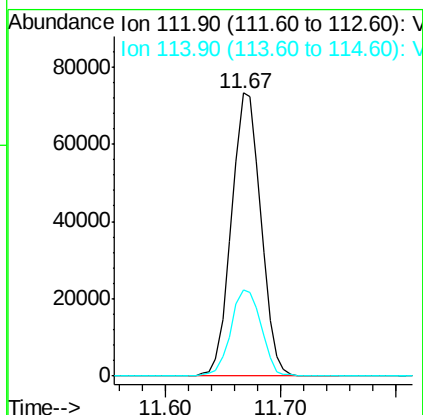
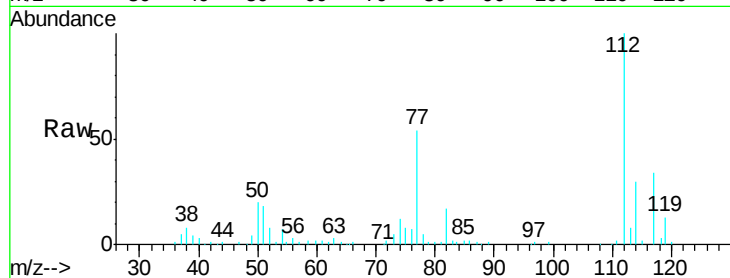




#65
Chlorobenzene
Concen: 20.145 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

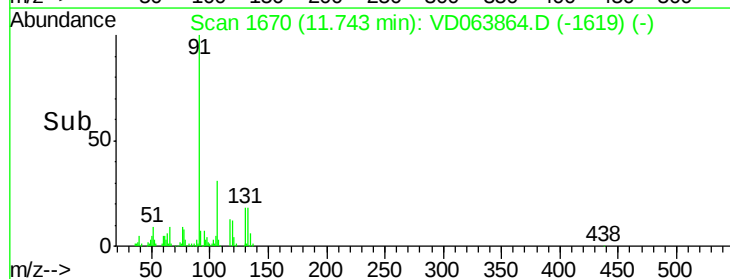
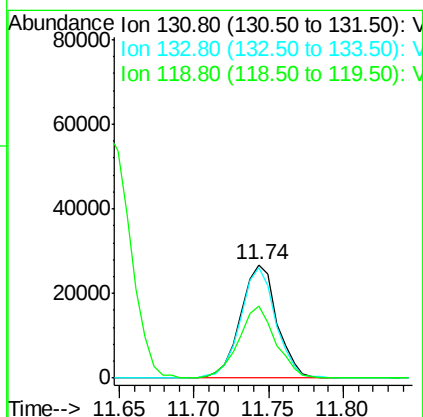
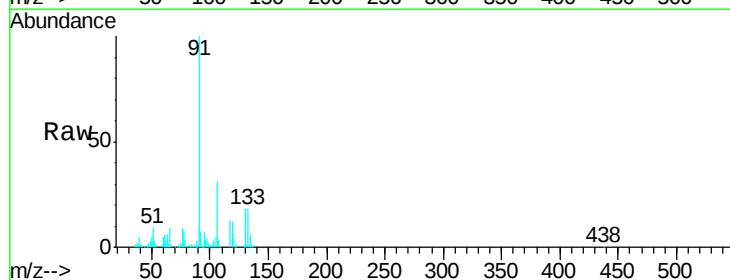
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

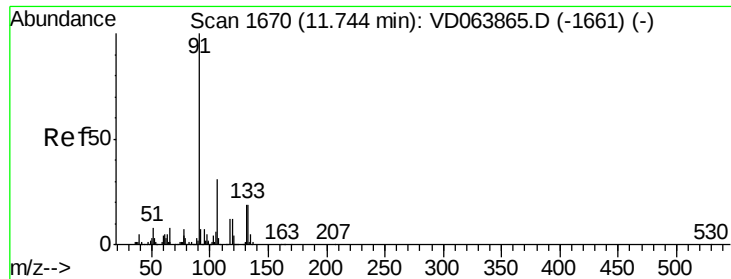
Tgt Ion:112 Resp: 129223
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion:131 Resp: 45288
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.7
119 64.3 32.6 97.8

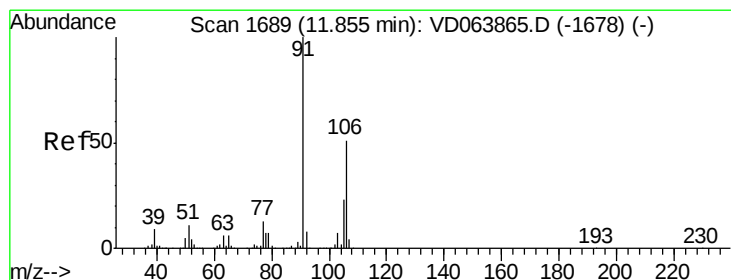
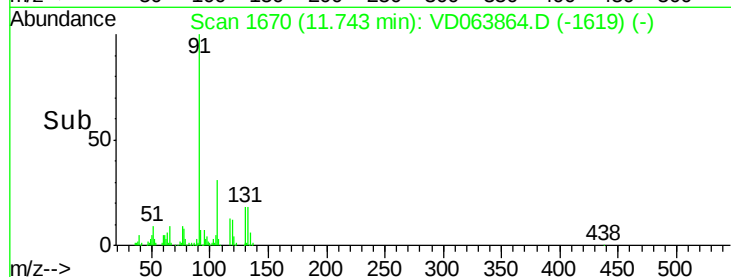
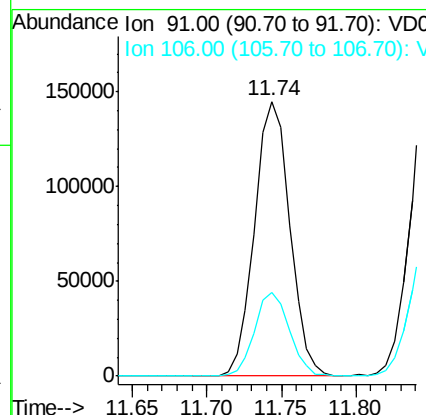
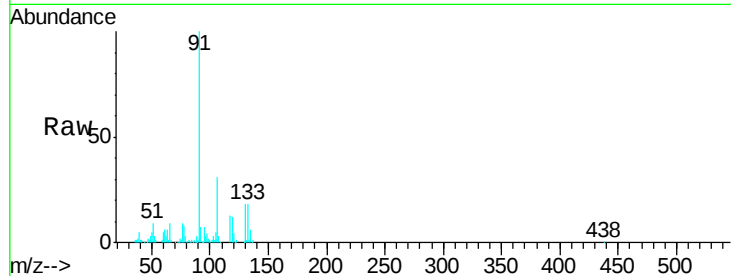




#67
 Ethyl Benzene
 Concen: 20.538 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

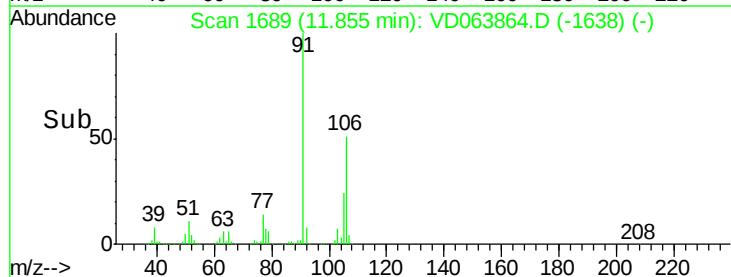
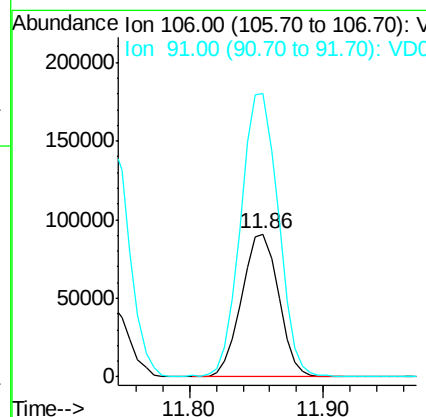
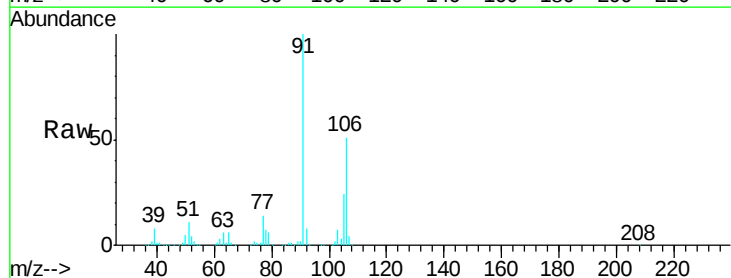
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

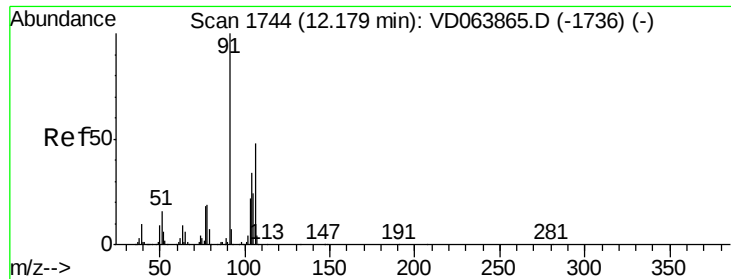
Tgt Ion: 91 Resp: 236760
 Ion Ratio Lower Upper
 91 100
 106 30.6 24.6 37.0



#68
 m/p-Xylenes
 Concen: 39.403 ug/l
 RT: 11.86 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 106 Resp: 175305
 Ion Ratio Lower Upper
 106 100
 91 201.1 154.8 232.2

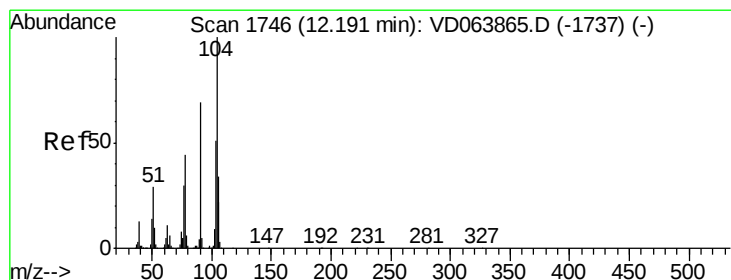
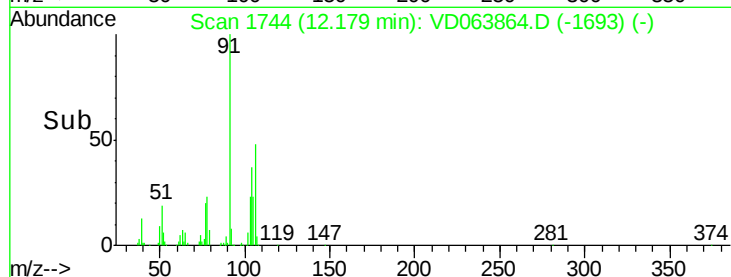
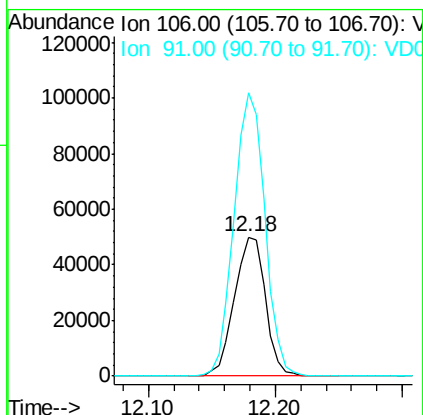
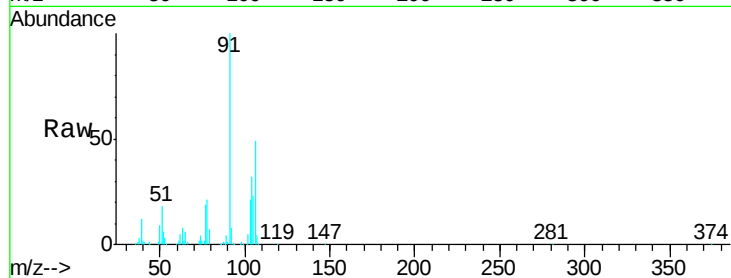




#69
o-Xylene
Concen: 20.242 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

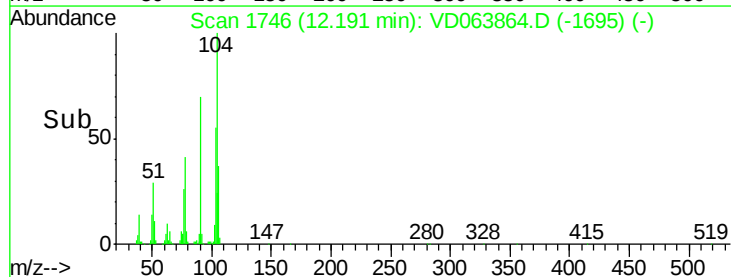
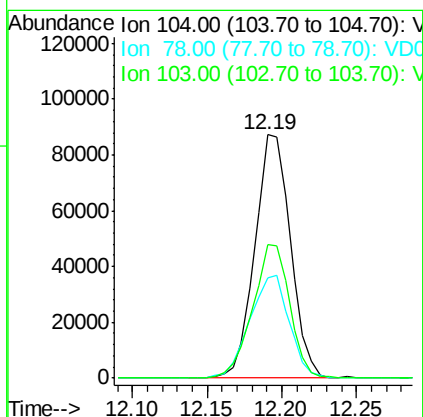
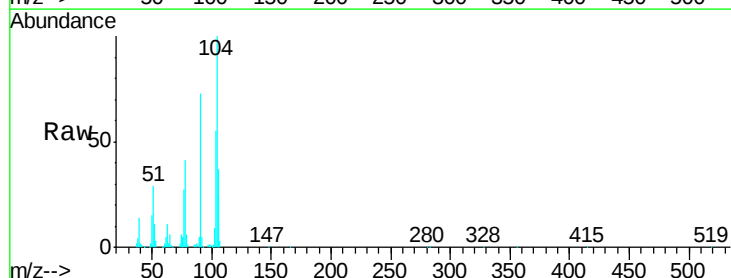
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

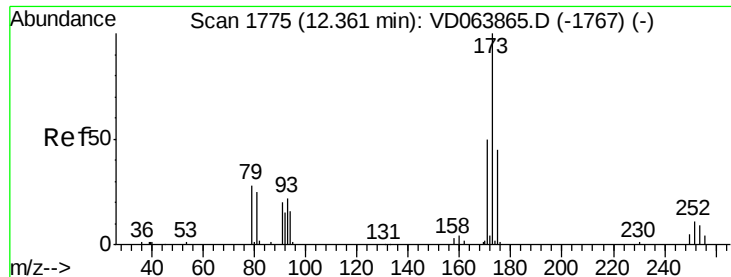
Tgt Ion:106 Resp: 84767
Ion Ratio Lower Upper
106 100
91 202.5 103.9 311.7



#70
Styrene
Concen: 20.216 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion:104 Resp: 143797
Ion Ratio Lower Upper
104 100
78 46.9 37.0 55.4
103 57.3 44.2 66.4





#71

Bromoform

Concen: 18.797 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

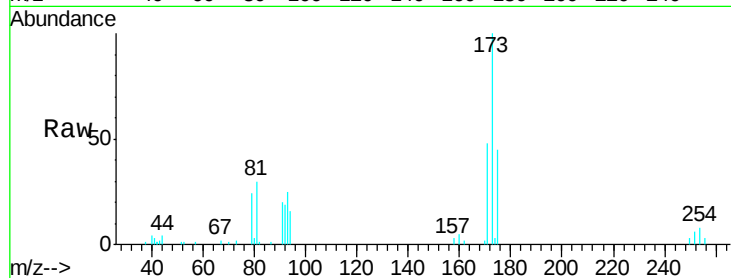
Tgt Ion:173 Resp: 24465

Ion Ratio Lower Upper

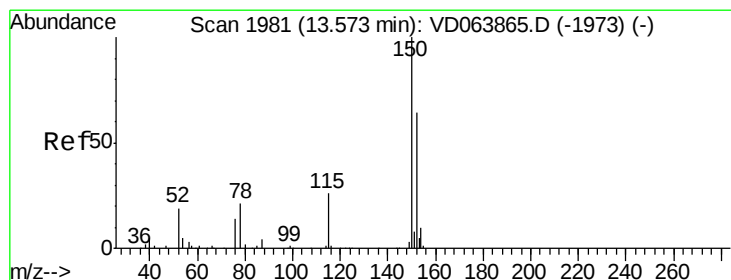
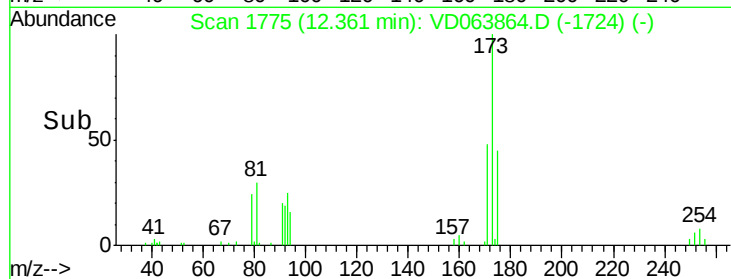
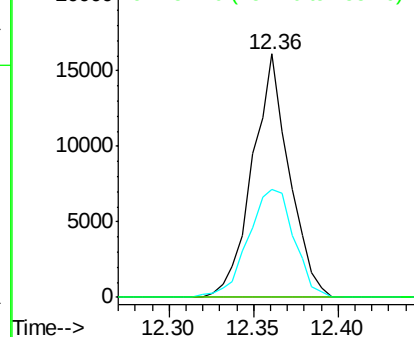
173 100

175 54.9 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

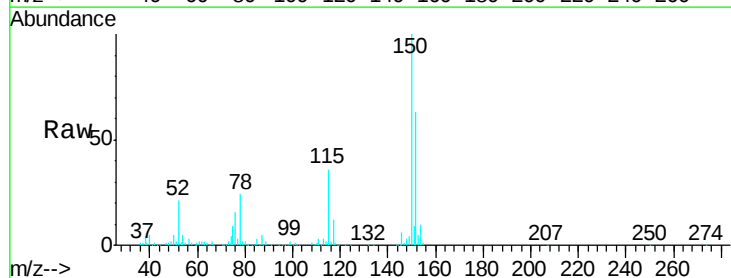
Tgt Ion:152 Resp: 169526

Ion Ratio Lower Upper

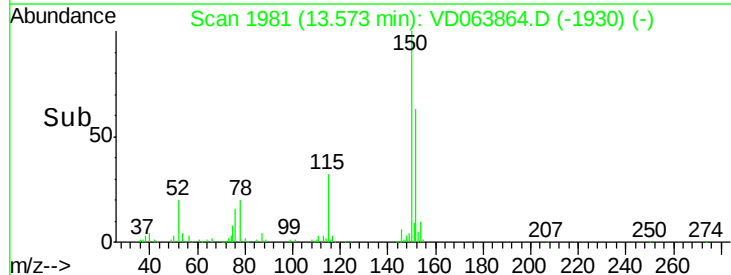
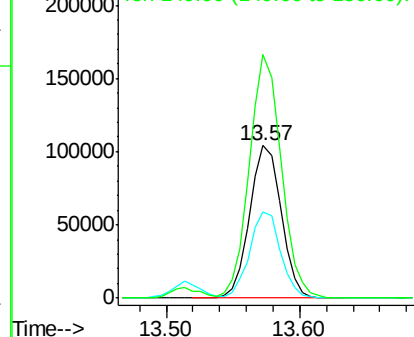
152 100

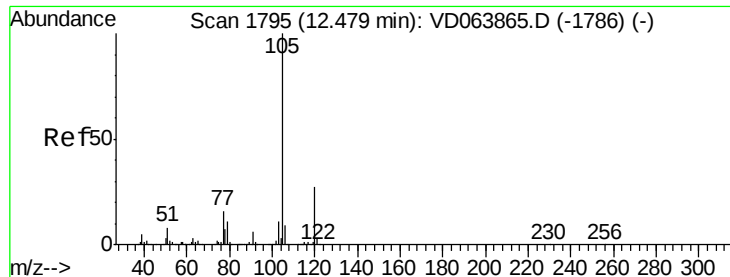
115 55.4 25.9 77.7

150 161.1 0.0 344.2



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: 20.215 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

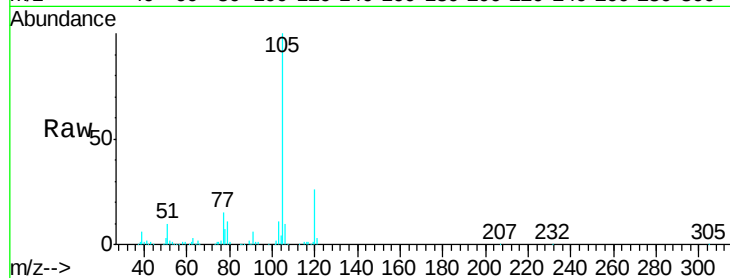
VSTDIC020

Tgt Ion:105 Resp: 231794

Ion Ratio Lower Upper

105 100

120 25.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

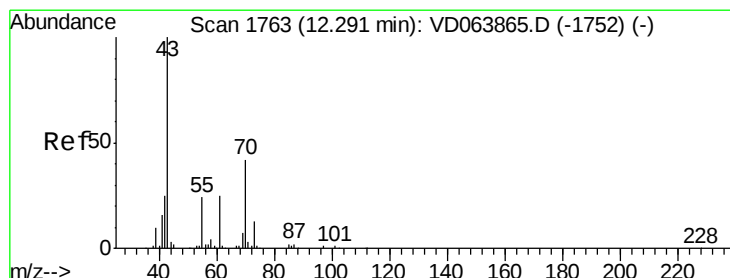
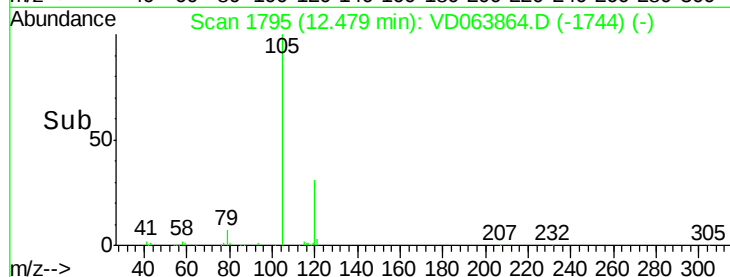
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.489 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion: 43 Resp: 51590

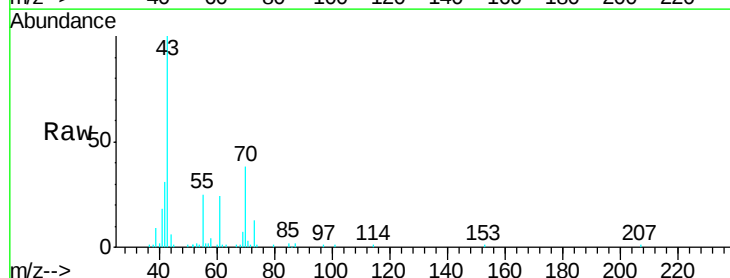
Ion Ratio Lower Upper

43 100

70 41.8 35.8 53.6

55 24.2 19.4 29.0

61 26.3 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

50000

40000

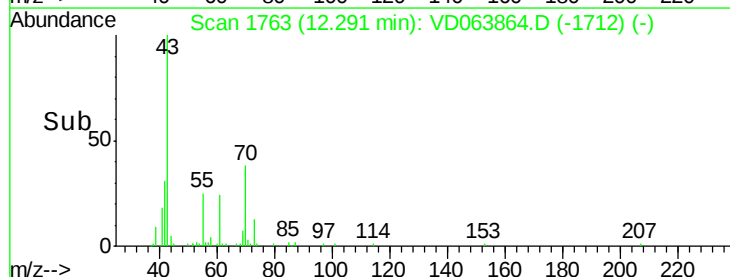
30000

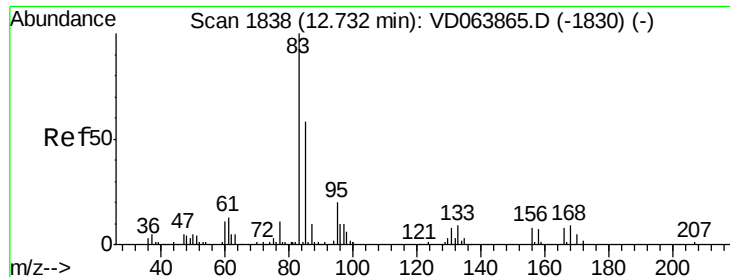
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

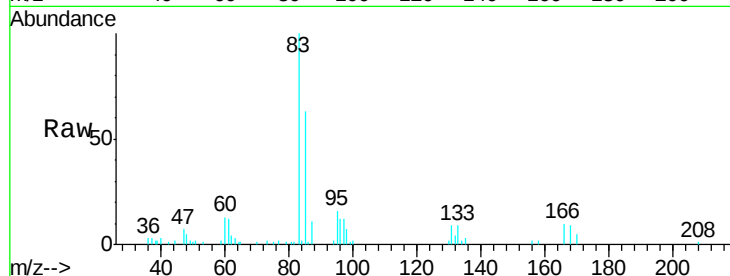
Tgt Ion: 83 Resp: 38822

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

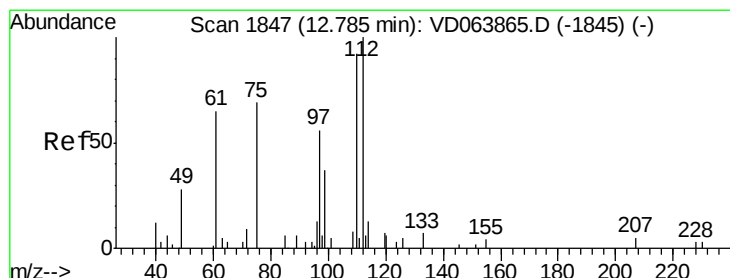
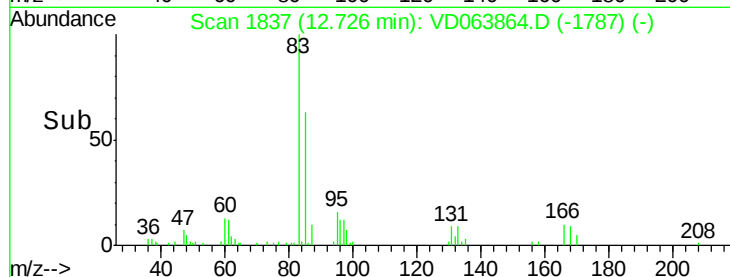
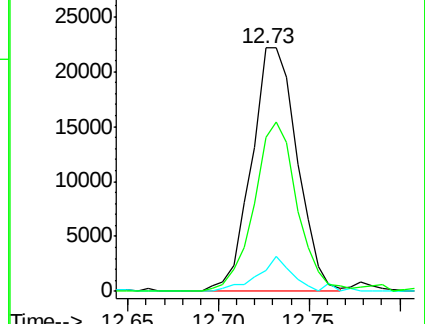
85 65.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.668 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063864.D

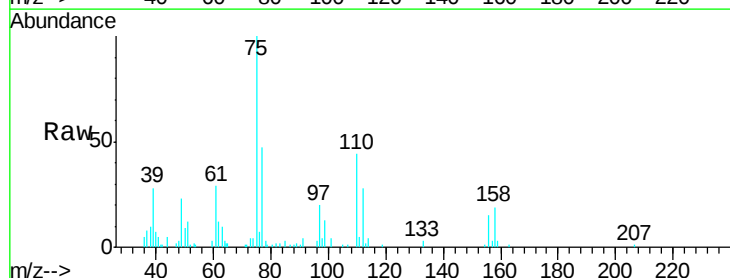
Acq: 02 Oct 2019 17:17

Tgt Ion: 75 Resp: 49435

Ion Ratio Lower Upper

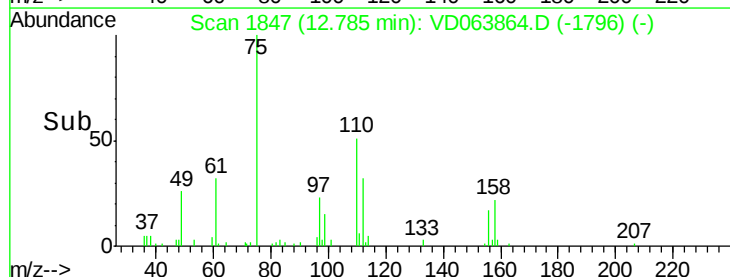
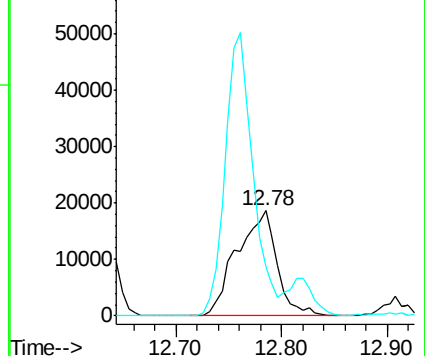
75 100

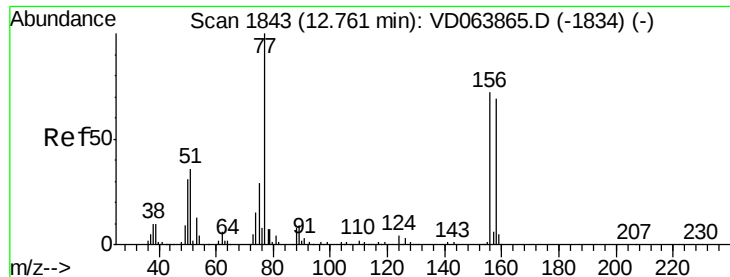
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.034 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

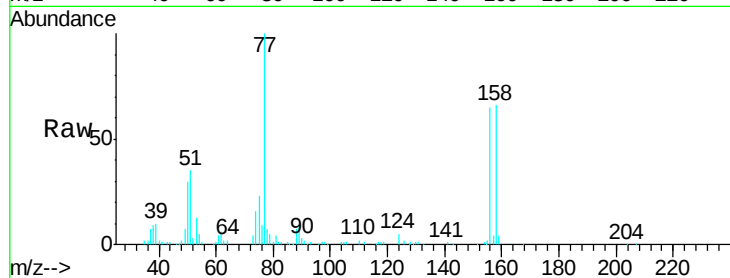
Tgt Ion:156 Resp: 55508

Ion Ratio Lower Upper

156 100

77 164.5 80.3 241.0

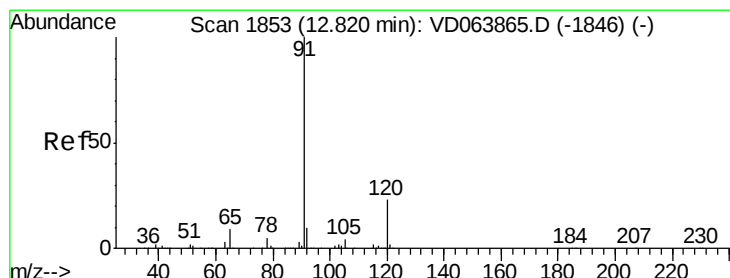
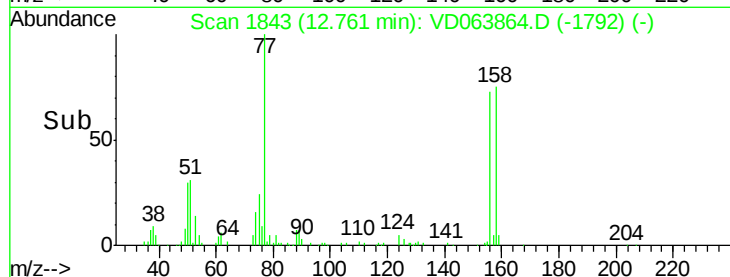
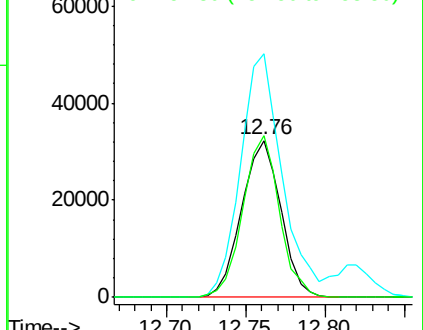
158 96.3 47.4 142.2



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: 19.894 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063864.D

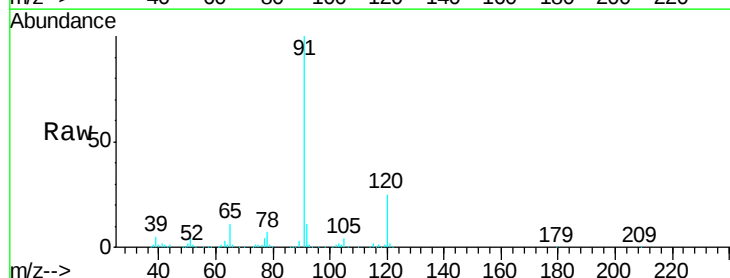
Acq: 02 Oct 2019 17:17

Tgt Ion: 91 Resp: 268613

Ion Ratio Lower Upper

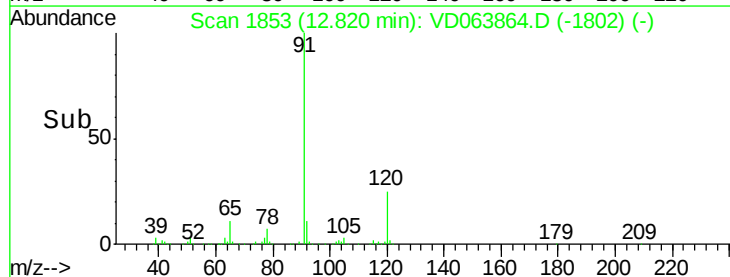
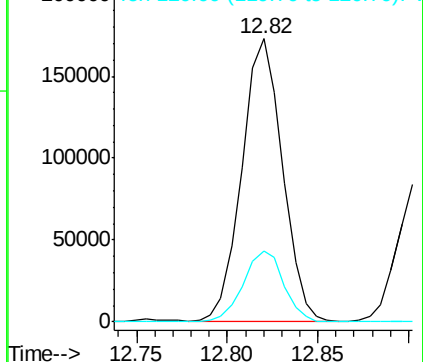
91 100

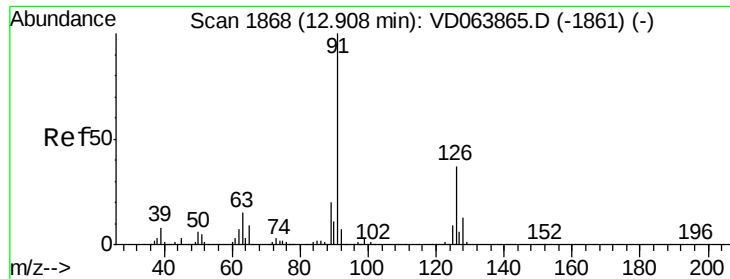
120 25.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.341 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

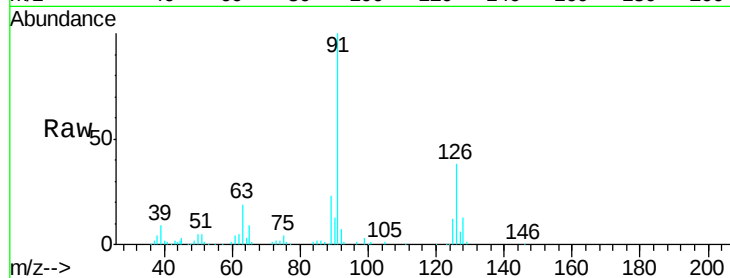
VSTDIC020

Tgt Ion: 91 Resp: 147970

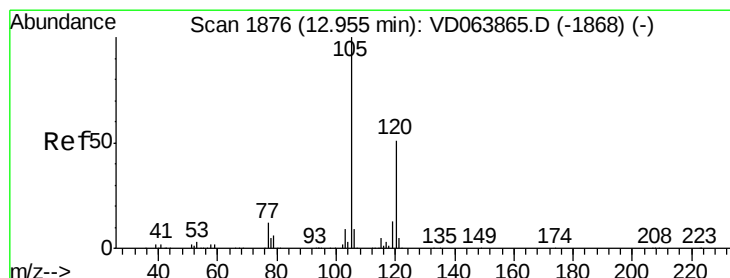
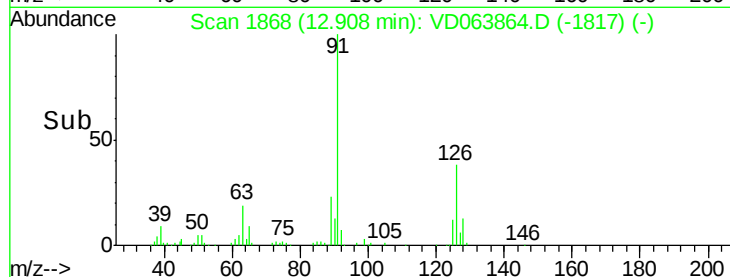
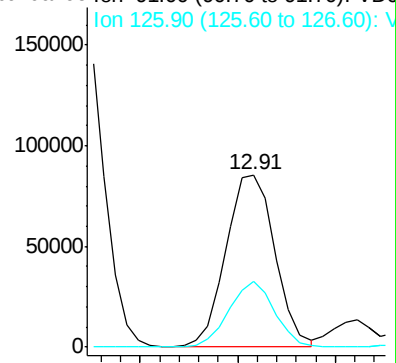
Ion Ratio Lower Upper

91 100

126 35.6 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.836 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063864.D

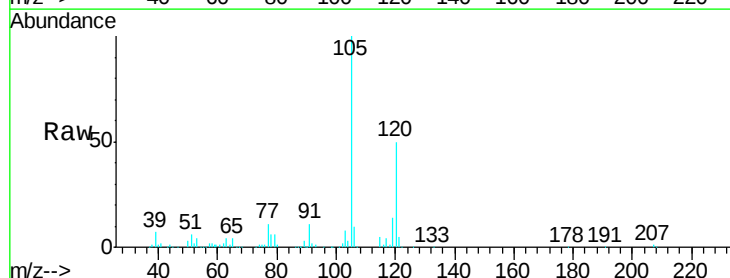
Acq: 02 Oct 2019 17:17

Tgt Ion: 105 Resp: 189495

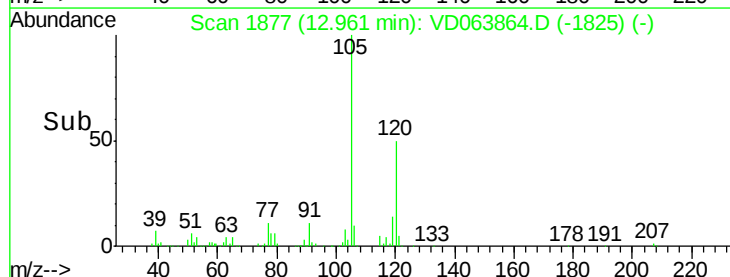
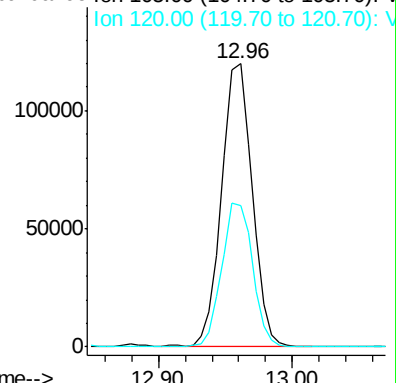
Ion Ratio Lower Upper

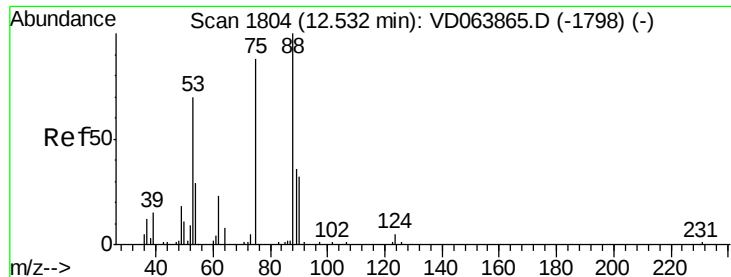
105 100

120 51.2 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.879 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

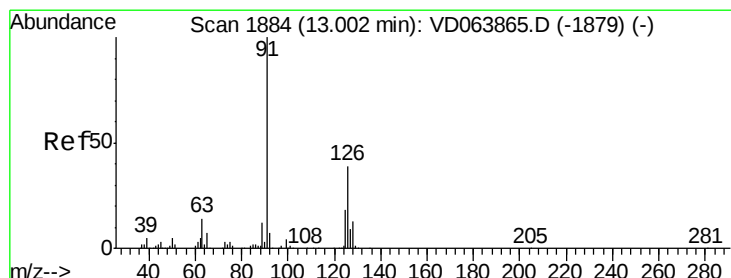
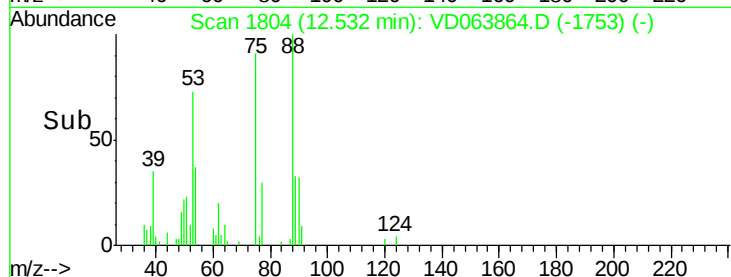
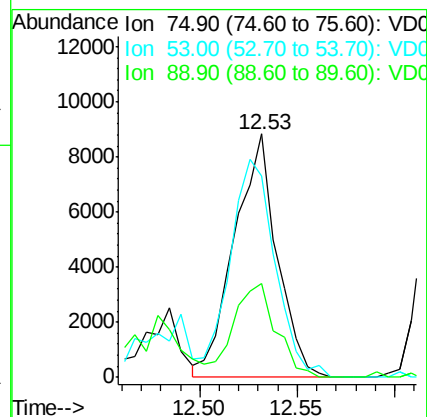
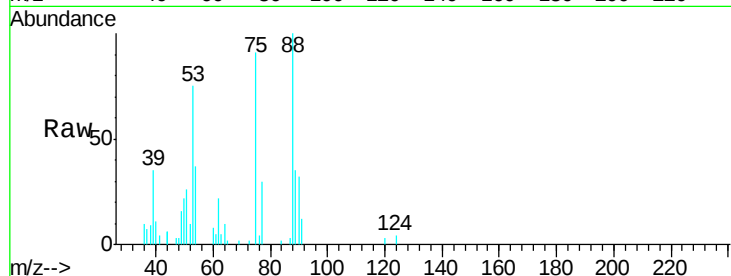
Tgt Ion: 75 Resp: 13397

Ion Ratio Lower Upper

75 100

53 95.6 75.0 112.6

89 38.6 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.403 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063864.D

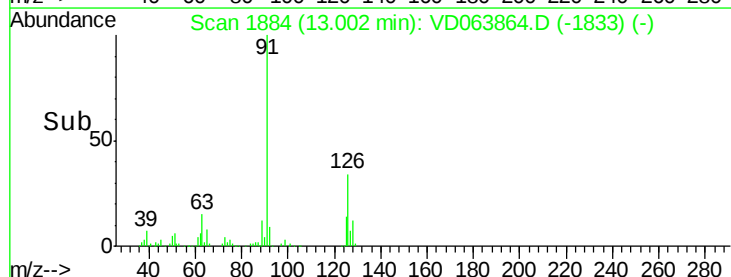
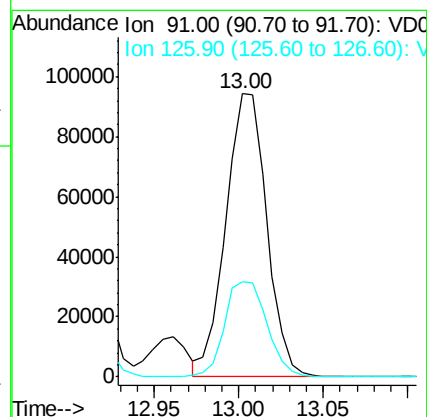
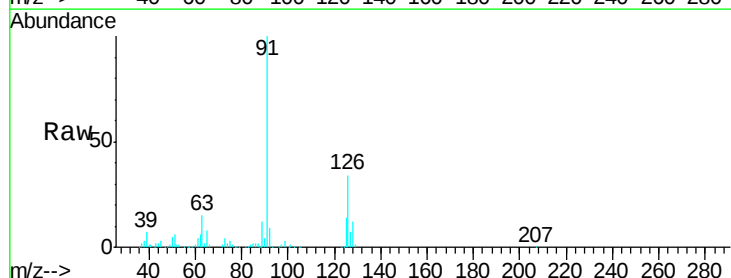
Acq: 02 Oct 2019 17:17

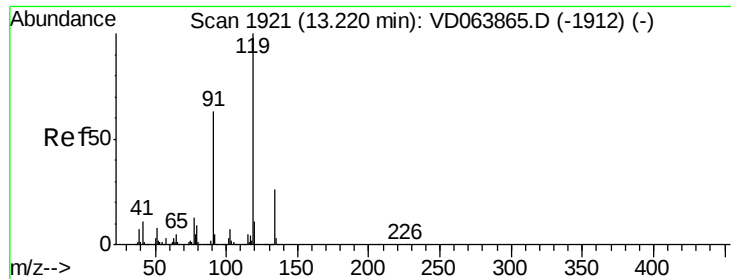
Tgt Ion: 91 Resp: 158896

Ion Ratio Lower Upper

91 100

126 35.1 18.6 55.8

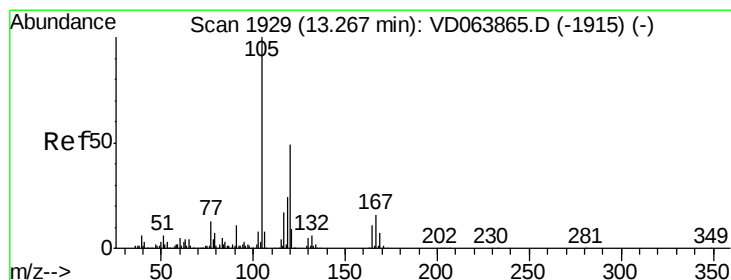
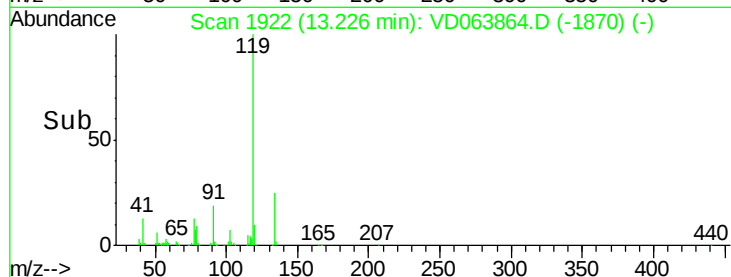
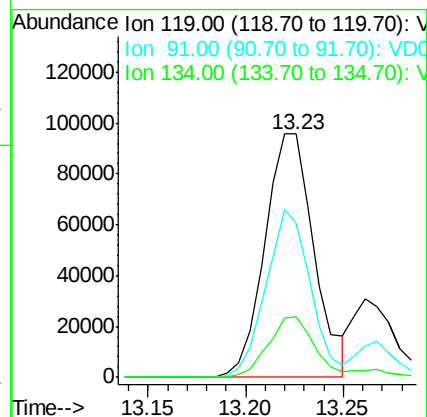
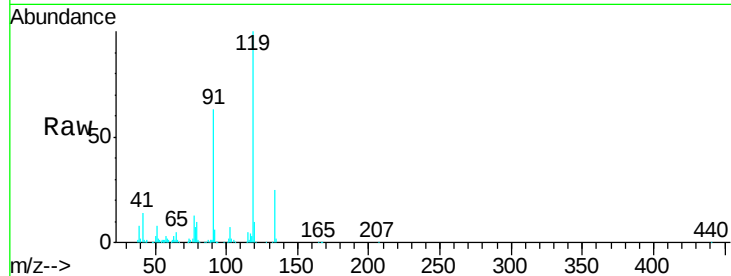




#83
 tert-Butylbenzene
 Concen: 19.957 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

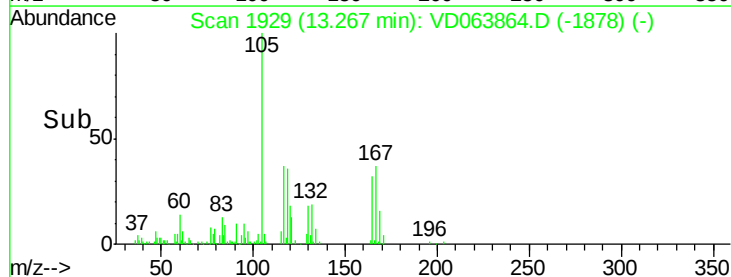
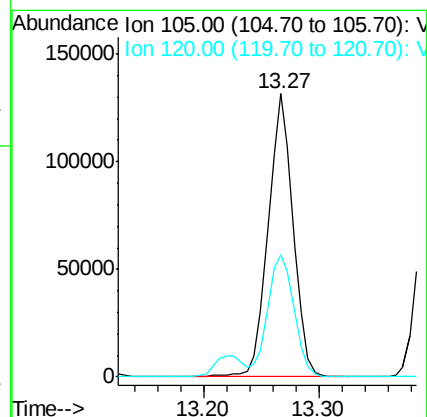
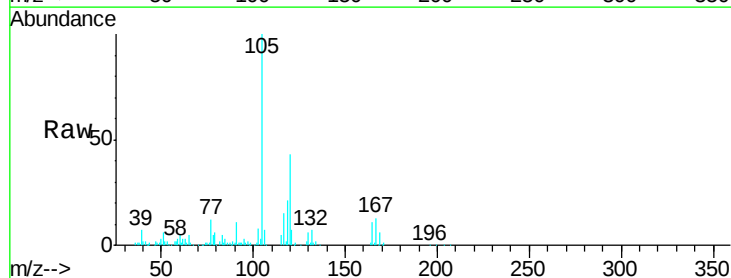
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

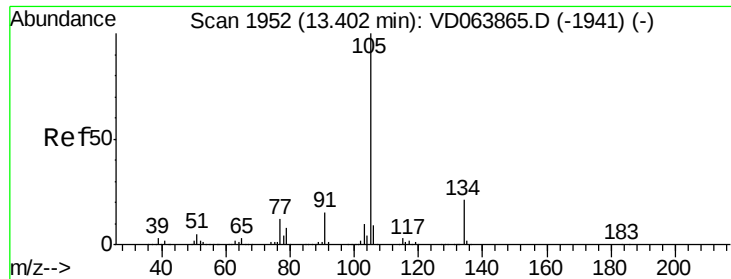
Tgt Ion:119 Resp: 167242
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.0 90.0
 134 25.6 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.461 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion:105 Resp: 198507
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.5

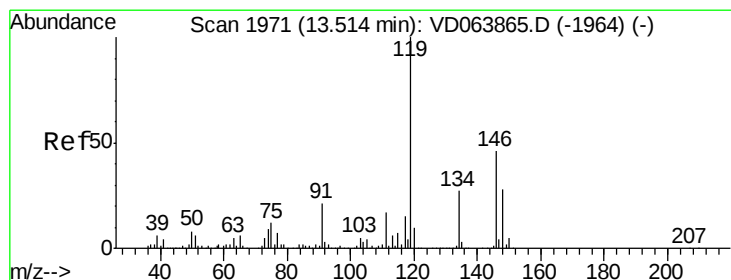
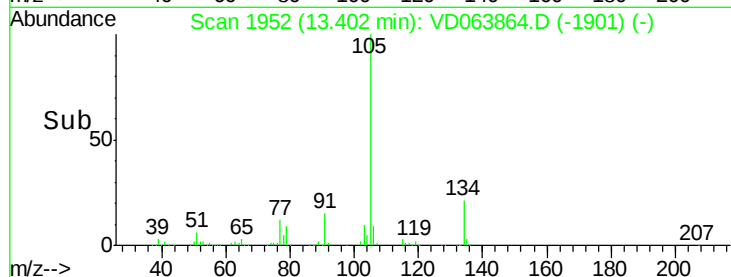
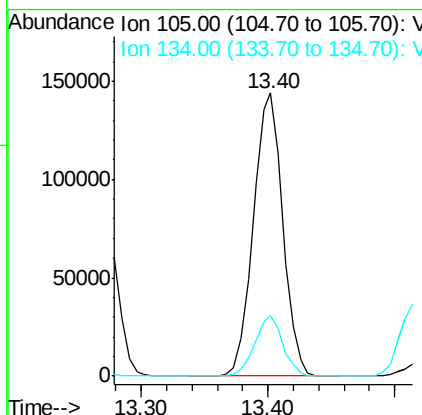
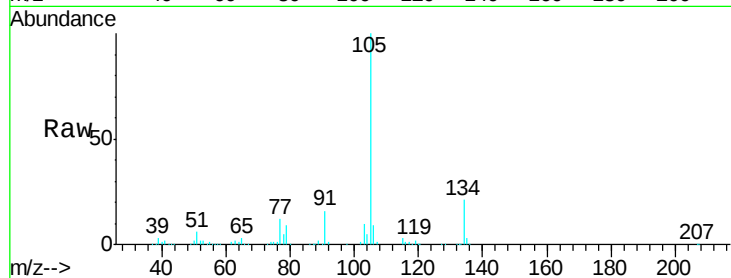




#85
 sec-Butylbenzene
 Concen: 19.972 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

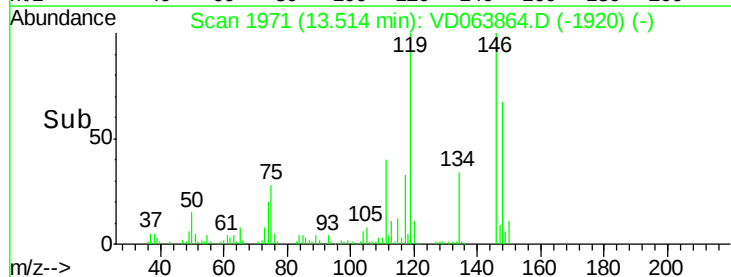
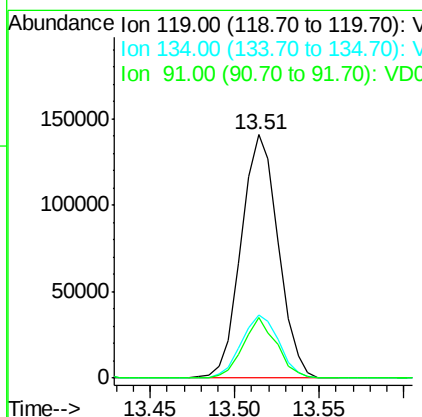
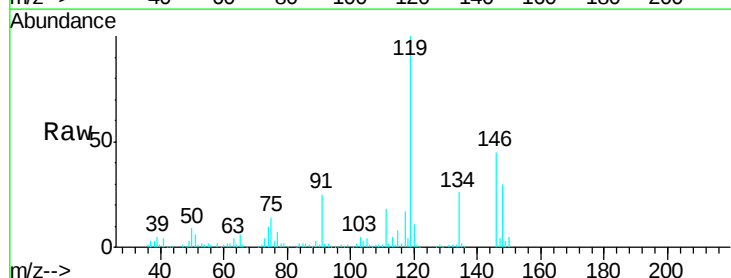
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

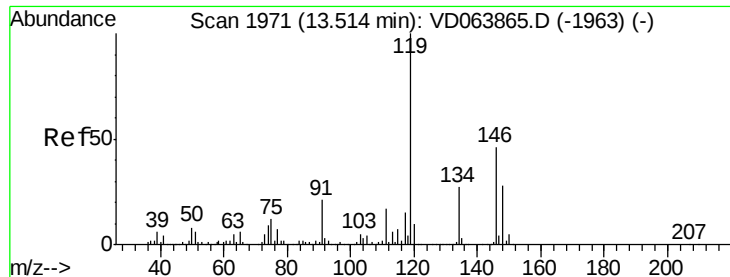
Tgt Ion:105 Resp: 231980
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 19.830 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion:119 Resp: 215762
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.9 41.6
 91 22.6 11.2 33.5

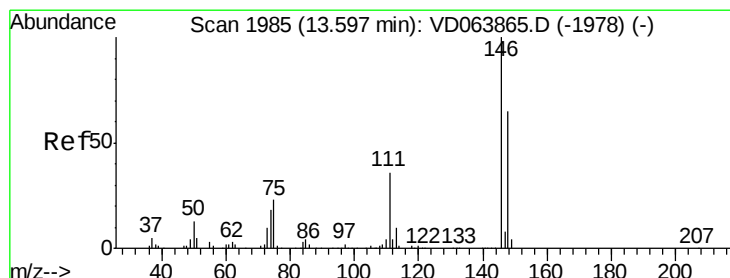
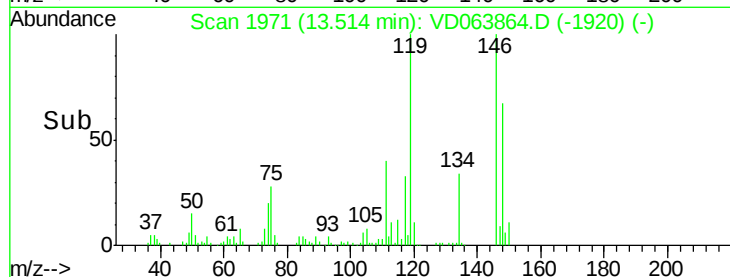
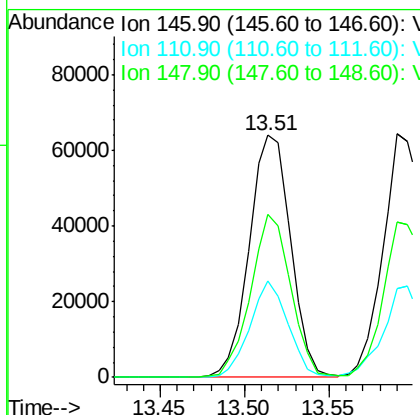
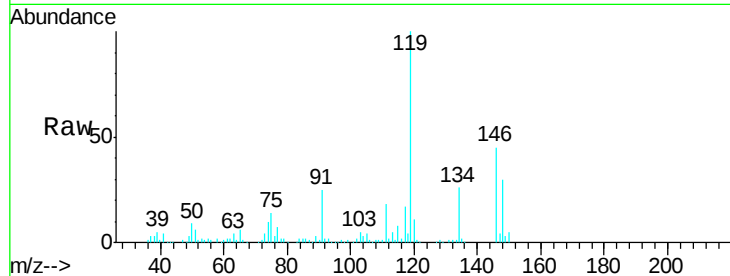




#87
 1,3-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

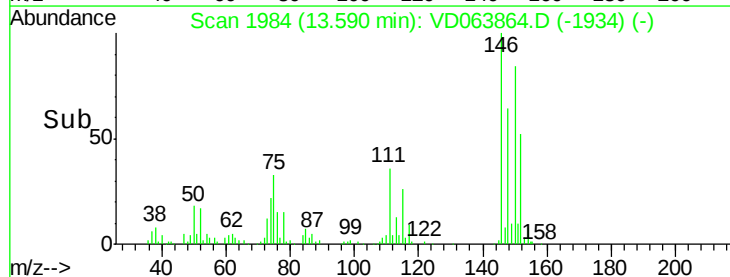
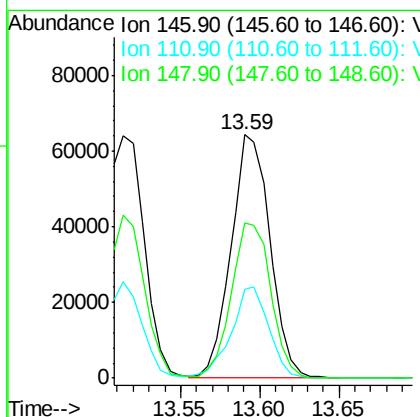
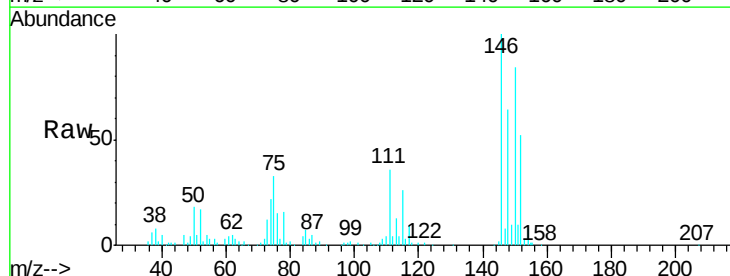
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

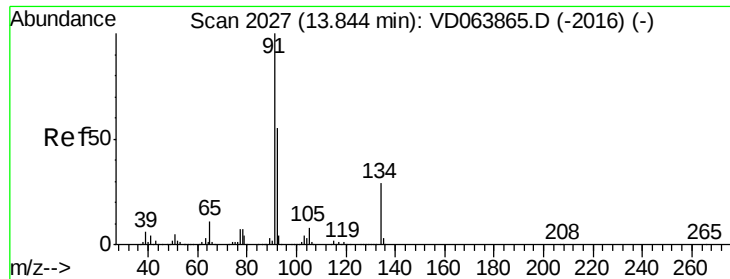
Tgt Ion:146 Resp: 109030
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.3 54.9
 148 65.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.256 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion:146 Resp: 109770
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.6 56.0
 148 64.5 32.6 98.0

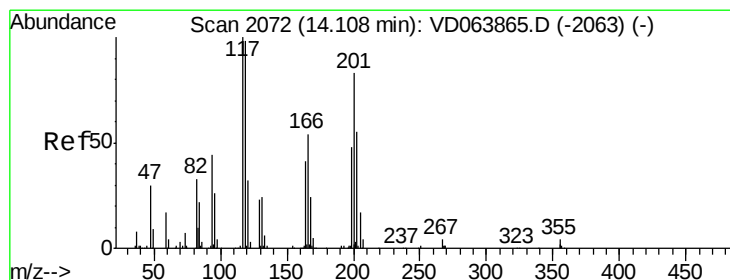
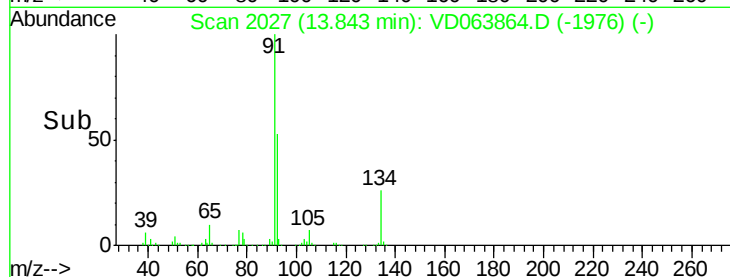
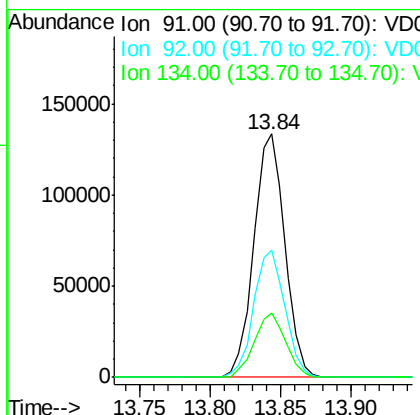
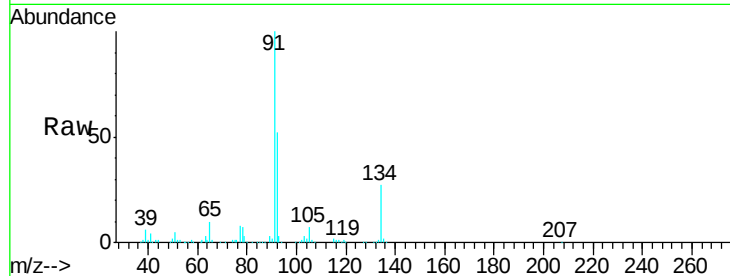




#89
n-Butylbenzene
Concen: 20.009 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

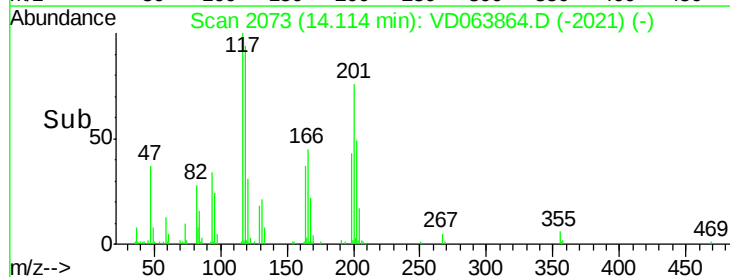
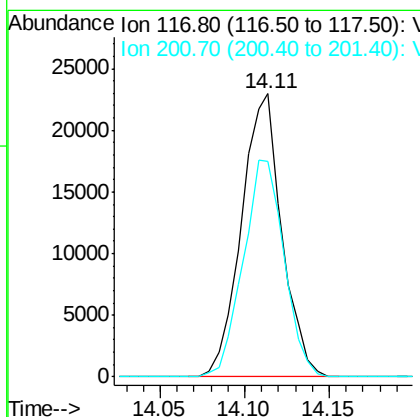
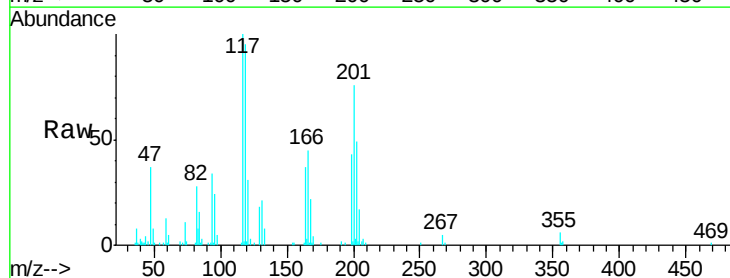
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

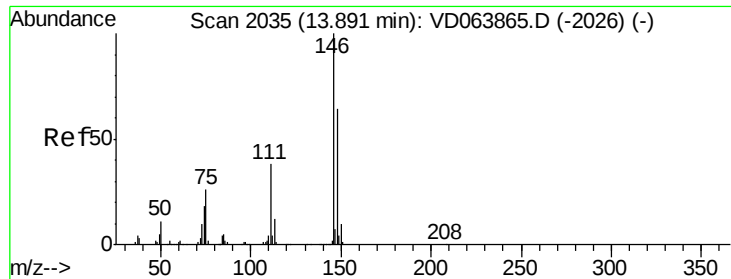
Tgt Ion: 91 Resp: 206523
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.3
134 26.8 14.4 43.0



#90
Hexachloroethane
Concen: 18.930 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 117 Resp: 38083
Ion Ratio Lower Upper
117 100
201 77.7 40.6 121.7

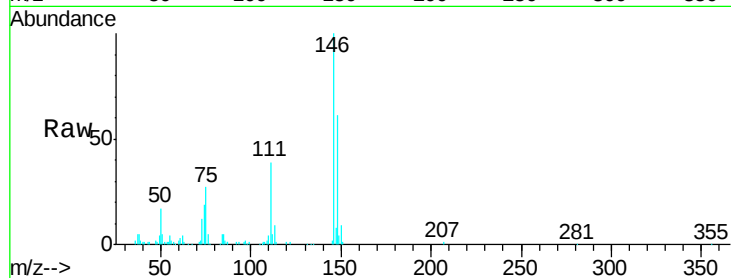




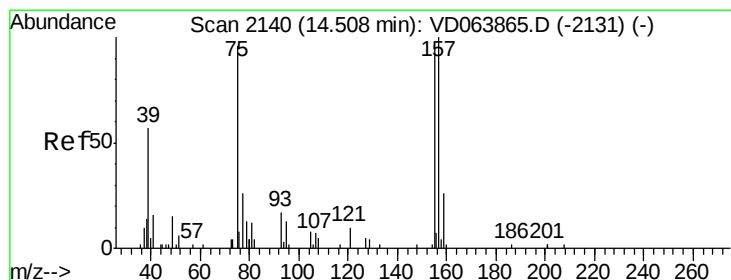
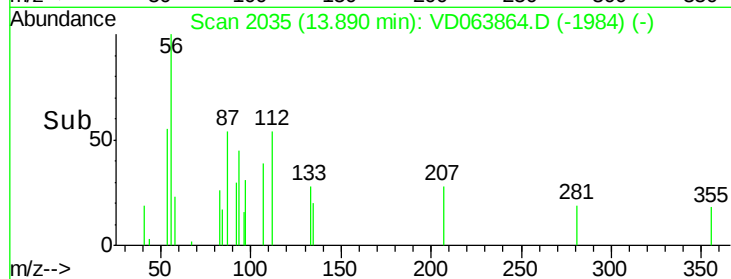
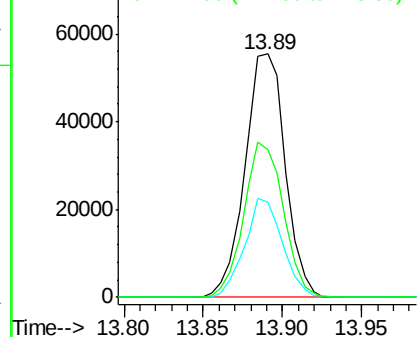
#91
 1,2-Dichlorobenzene
 Concen: 20.907 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 97786
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.6
 148 62.6 31.6 95.0

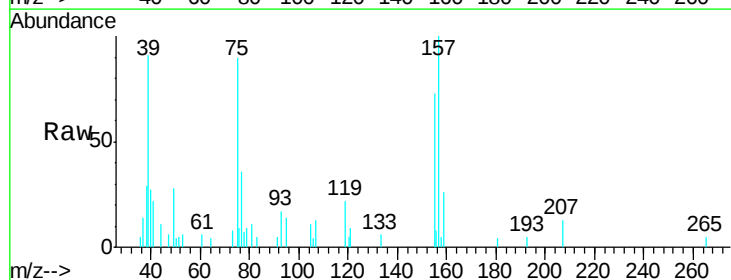


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

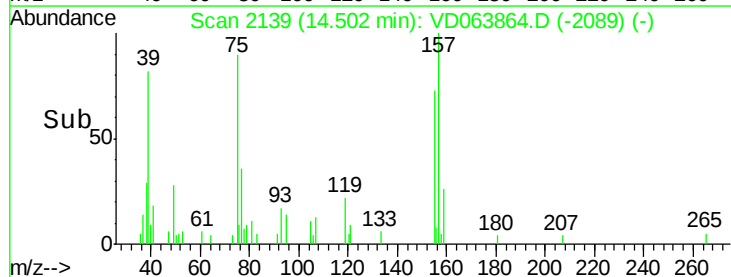
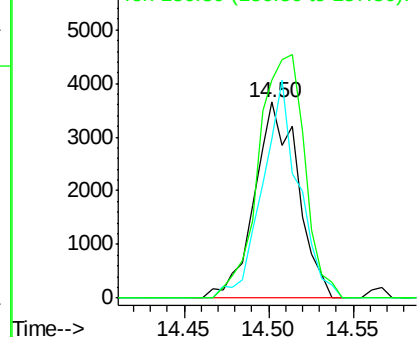


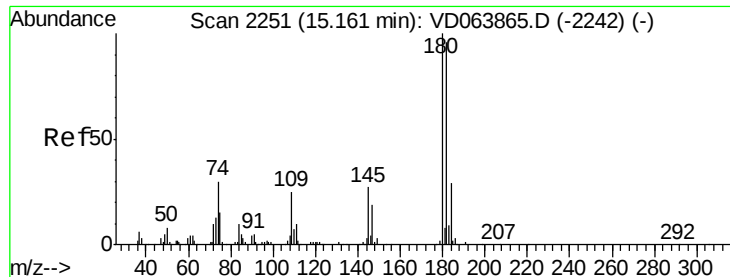
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.663 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 75 Resp: 6511
 Ion Ratio Lower Upper
 75 100
 155 92.8 43.9 131.6
 157 132.3 56.0 167.9



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

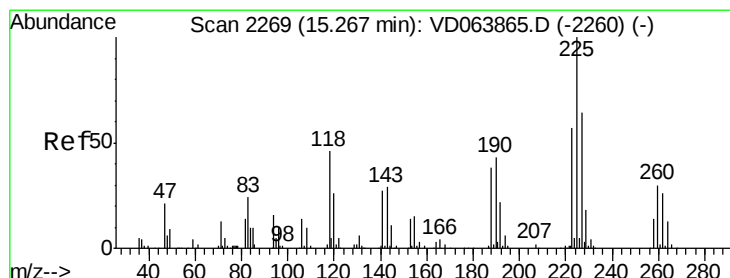
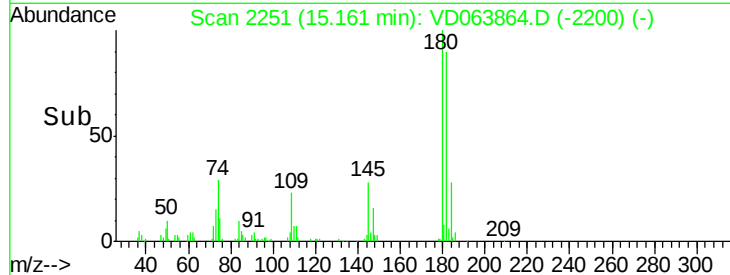
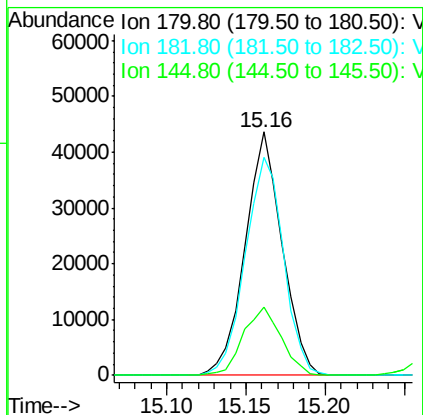
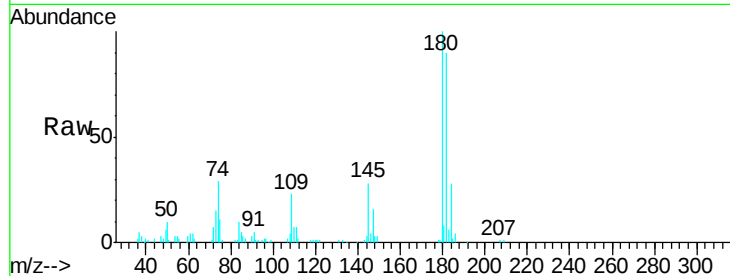




#93
 1,2,4-Trichlorobenzene
 Concen: 19.976 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

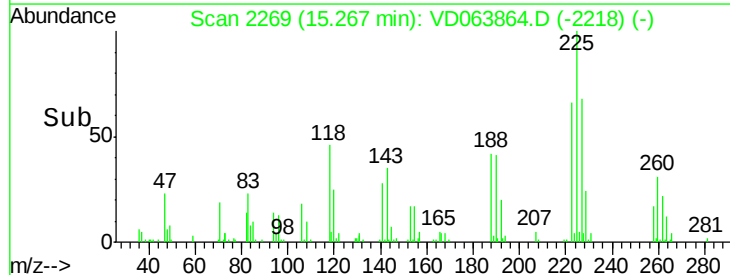
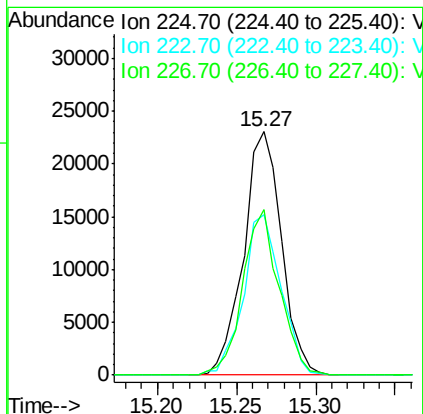
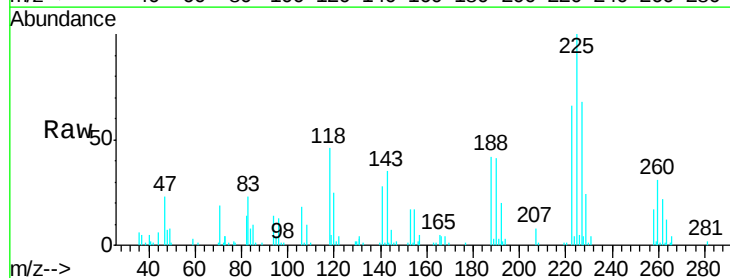
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

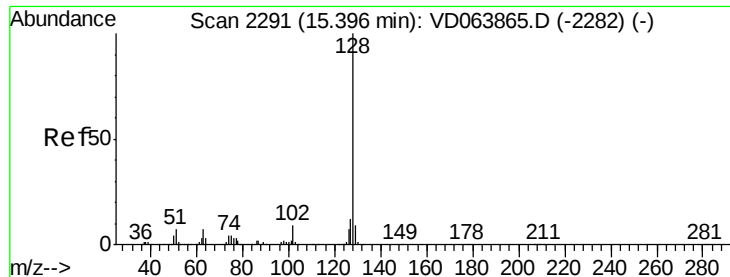
Tgt Ion:180 Resp: 70754
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.4 142.3
 145 28.6 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 19.102 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion:225 Resp: 38288
 Ion Ratio Lower Upper
 225 100
 223 65.6 29.5 88.6
 227 65.4 30.8 92.4





#95

Naphthalene

Concen: 18.952 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

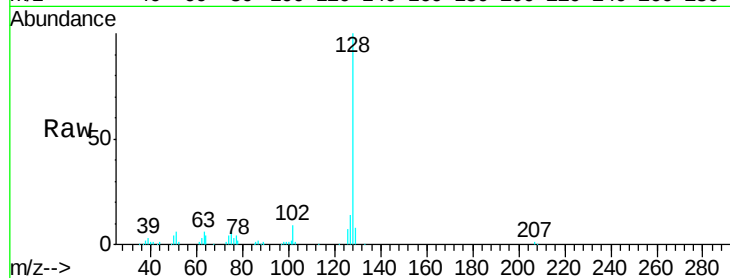
Tgt Ion:128 Resp: 120933

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

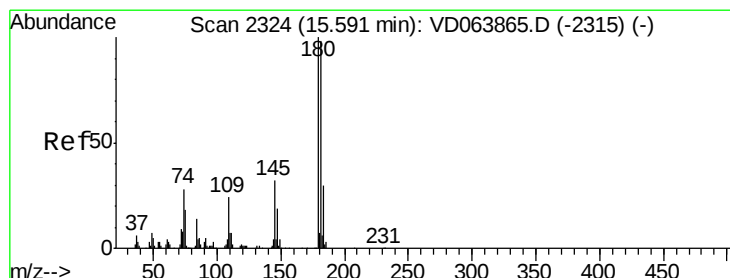
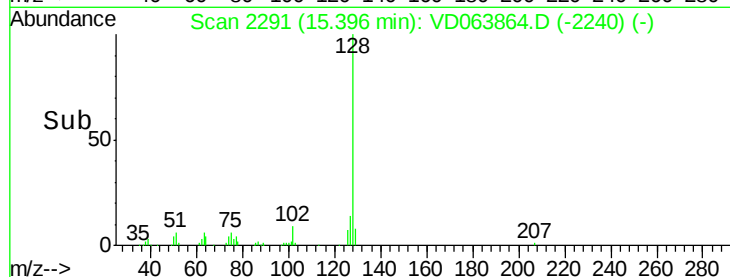
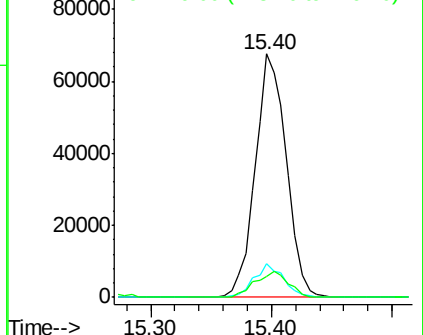
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.125 ug/l

RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

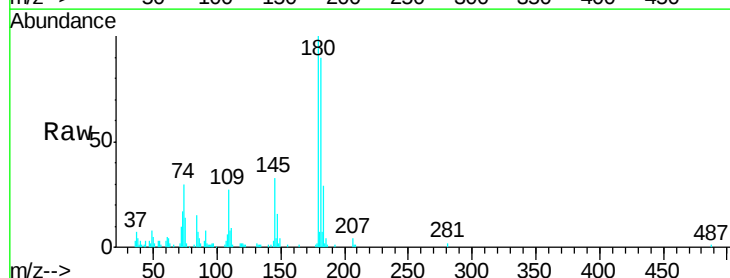
Tgt Ion:180 Resp: 60098

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.0

145 30.7 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

