

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064929.D
 Acq On : 23 Jan 2020 11:26
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 23 12:48:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	435710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	573696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271527	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	40086	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	
35) Dibromofluoromethane	7.92	113	38928	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
50) Toluene-d8	10.34	98	143389	9.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.60%	
62) 4-Bromofluorobenzene	12.64	95	44866	9.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	37422	11.10	ug/l	96
3) Chloromethane	2.21	50	56434	11.94	ug/l	96
4) Vinyl Chloride	2.35	62	63448	11.06	ug/l	98
5) Bromomethane	2.77	94	42082	10.23	ug/l	100
6) Chloroethane	2.93	64	41061	10.79	ug/l	93
7) Trichlorofluoromethane	3.27	101	99763	10.50	ug/l	96
8) Diethyl Ether	3.71	74	21365	11.10	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	44425	11.12	ug/l	98
10) Methyl Iodide	4.29	142	41046	9.60	ug/l	100
11) Tert butyl alcohol	5.25	59	12604	56.85	ug/l	96
12) 1,1-Dichloroethene	4.06	96	42838	11.27	ug/l	91
13) Acrolein	3.92	56	15934	53.07	ug/l	99
14) Allyl chloride	4.71	41	63685	10.67	ug/l	94
15) Acrylonitrile	5.44	53	45108	56.20	ug/l	98
16) Acetone	4.17	43	49600	61.73	ug/l	93
17) Carbon Disulfide	4.40	76	142073	11.48	ug/l	98
18) Methyl Acetate	4.72	43	21210	10.00	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	90547	10.69	ug/l	99
20) Methylene Chloride	4.97	84	58412	12.79	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	48335	11.10	ug/l	95
22) Diisopropyl ether	6.37	45	129272	10.86	ug/l	97
23) Vinyl Acetate	6.31	43	362223	53.51	ug/l	99
24) 1,1-Dichloroethane	6.27	63	83661	11.69	ug/l	97
25) 2-Butanone	7.22	43	60938	57.12	ug/l	94
26) 2,2-Dichloropropane	7.21	77	75332	11.37	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	50218	10.75	ug/l	98
28) Bromochloromethane	7.55	49	28813	10.20	ug/l	100
29) Tetrahydrofuran	7.58	42	39082	59.35	ug/l	96
30) Chloroform	7.71	83	84609	11.30	ug/l	99
31) Cyclohexane	7.98	56	83080	11.60	ug/l	# 92
32) 1,1,1-Trichloroethane	7.90	97	78559	11.17	ug/l	97
36) 1,1-Dichloropropene	8.11	75	67637	10.84	ug/l	99
37) Ethyl Acetate	7.30	43	28594	11.75	ug/l	# 79
38) Carbon Tetrachloride	8.10	117	71396	10.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	79381	10.56	ug/l	100
40) Benzene	8.35	78	183469	10.77	ug/l	99
41) Methacrylonitrile	7.57	41	38385	26.92	ug/l #	42
42) 1,2-Dichloroethane	8.43	62	56306	11.39	ug/l	98
43) Isopropyl Acetate	8.46	43	52420	10.81	ug/l	98
44) Trichloroethene	9.11	130	53102	10.72	ug/l	89
45) 1,2-Dichloropropane	9.39	63	45981	11.32	ug/l	95
46) Dibromomethane	9.48	93	25503	11.35	ug/l	96
47) Bromodichloromethane	9.67	83	66106	11.04	ug/l	98
48) Methyl methacrylate	9.46	41	22755	10.03	ug/l	96
49) 1,4-Dioxane	9.47	88	5139	195.31	ug/l #	79
51) 4-Methyl-2-Pentanone	10.24	43	128155	53.11	ug/l	98
52) Toluene	10.41	92	114728	10.31	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	57512	10.25	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	69615	10.55	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	33877	11.12	ug/l	93
56) Ethyl methacrylate	10.67	69	35540	9.36	ug/l	95
57) 1,3-Dichloropropane	10.96	76	58048	11.06	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	56438	40.13	ug/l	98
59) 2-Hexanone	10.99	43	87539	53.32	ug/l	95
60) Dibromochloromethane	11.14	129	44532	10.64	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31885	10.67	ug/l	100
64) Tetrachloroethene	10.88	164	46682	10.72	ug/l	95
65) Chlorobenzene	11.68	112	126640	10.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	46306	10.41	ug/l	98
67) Ethyl Benzene	11.75	91	216581	10.11	ug/l	98
68) m/p-Xylenes	11.86	106	164552	19.95	ug/l	97
69) o-Xylene	12.18	106	71467	9.61	ug/l	98
70) Styrene	12.20	104	127589	9.72	ug/l	98
71) Bromoform	12.37	173	26197	10.39	ug/l #	98
73) Isopropylbenzene	12.48	105	199285	10.35	ug/l	100
74) N-amyl acetate	12.30	43	43572	10.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	36144	11.88	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	46996	21.04	ug/l #	100
77) Bromobenzene	12.77	156	50163	10.63	ug/l	100
78) n-propylbenzene	12.83	91	238091	10.57	ug/l	99
79) 2-Chlorotoluene	12.91	91	132886	10.74	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	163423	10.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11742	11.42	ug/l	98
82) 4-Chlorotoluene	13.01	91	139125	10.59	ug/l	100
83) tert-Butylbenzene	13.23	119	136424	9.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	170575	10.82	ug/l	98
85) sec-Butylbenzene	13.41	105	196755	10.47	ug/l	100
86) p-Isopropyltoluene	13.53	119	182450	10.16	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	95129	10.58	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	96292	10.91	ug/l	98
89) n-Butylbenzene	13.86	91	162440	10.00	ug/l	99
90) Hexachloroethane	14.12	117	36644	10.69	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	81909	10.68	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5839	11.86	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 12:45:15 2020
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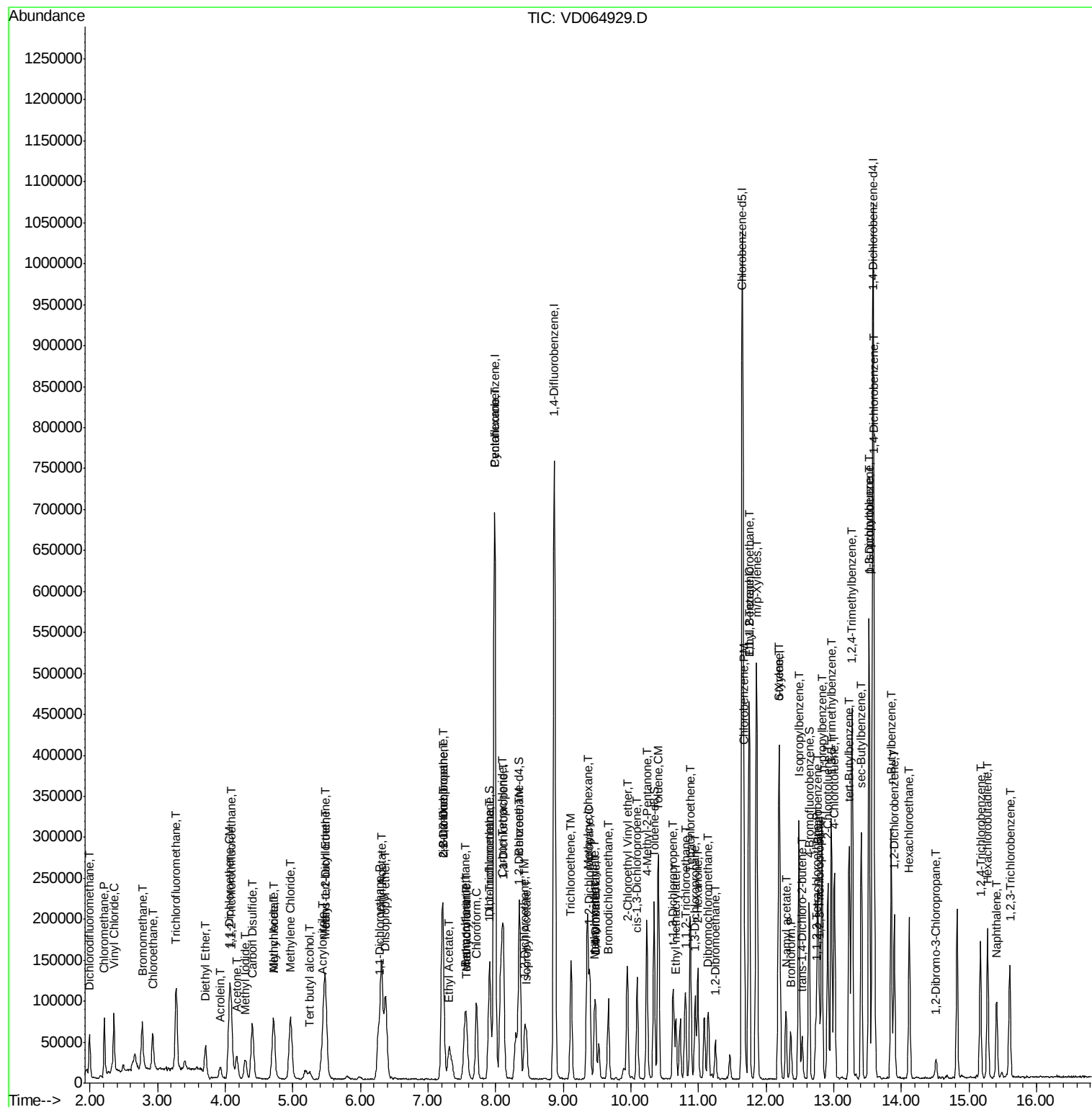
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	54837	9.82	ug/l	97
94) Hexachlorobutadiene	15.28	225	36019	10.26	ug/l	97
95) Naphthalene	15.41	128	82384	9.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	48775	10.20	ug/l	99

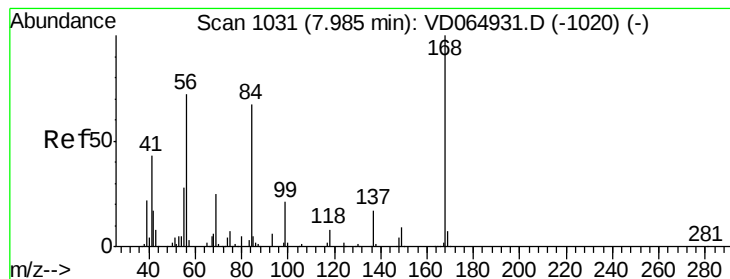
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

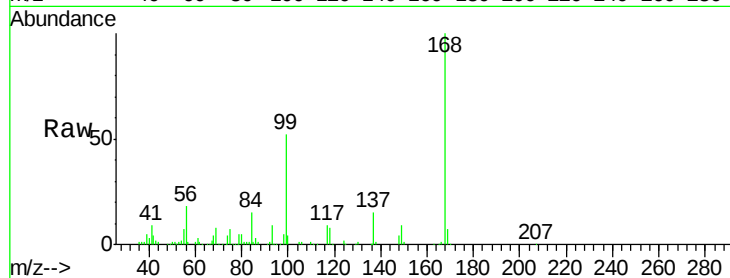
VSTDIC010

Tgt Ion:168 Resp: 435710

Ion Ratio Lower Upper

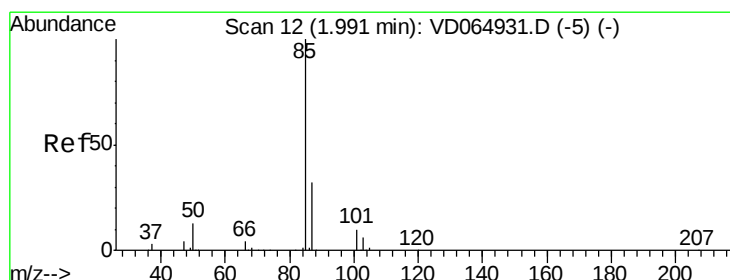
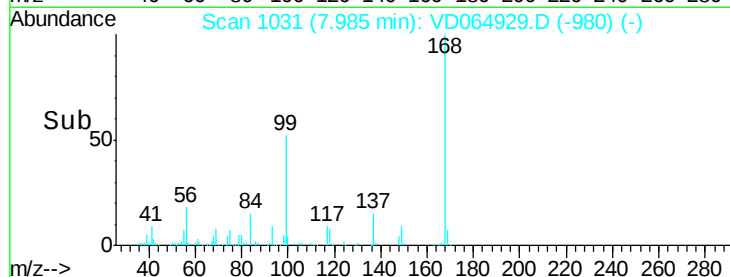
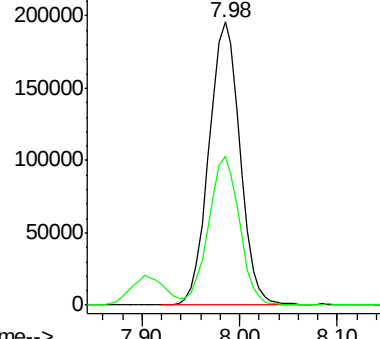
168 100

99 52.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.10 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064929.D

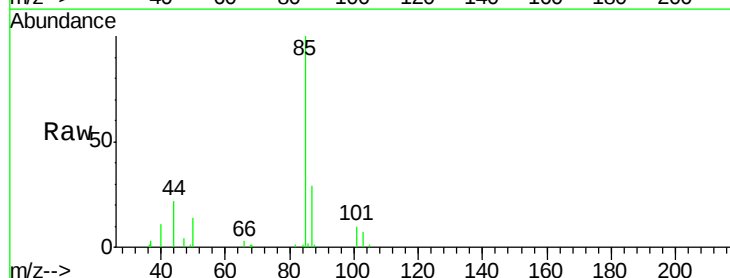
Acq: 23 Jan 2020 11:26

Tgt Ion: 85 Resp: 37422

Ion Ratio Lower Upper

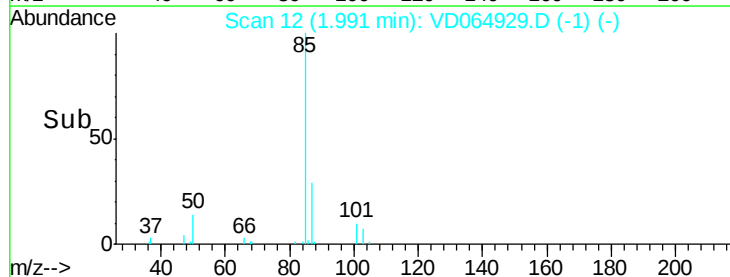
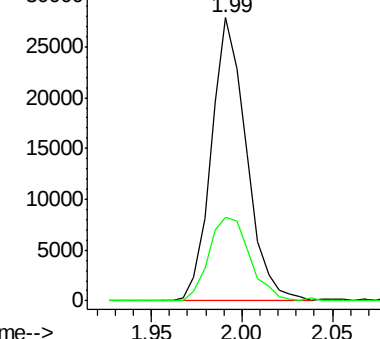
85 100

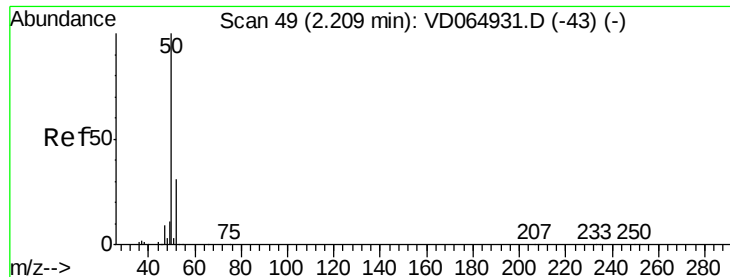
87 29.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.94 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

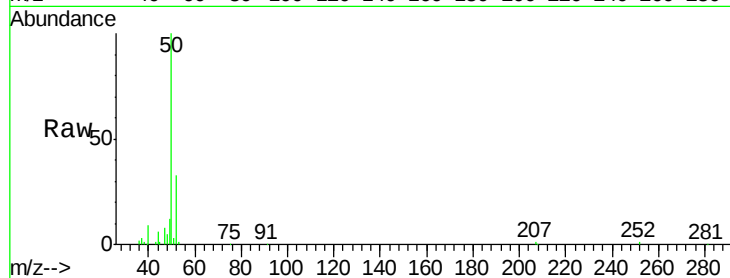
VSTDIC010

Tgt Ion: 50 Resp: 56434

Ion Ratio Lower Upper

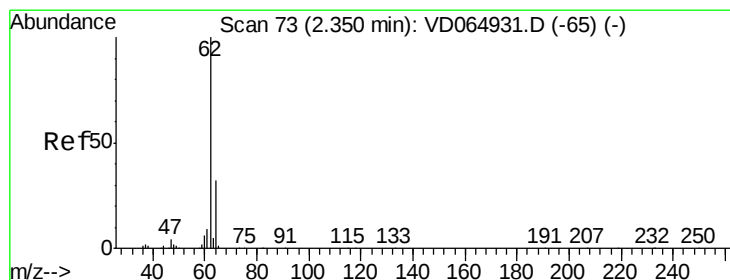
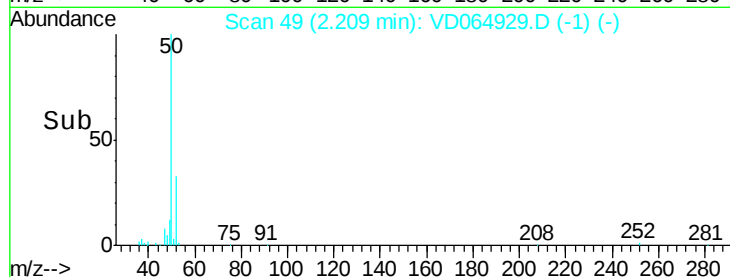
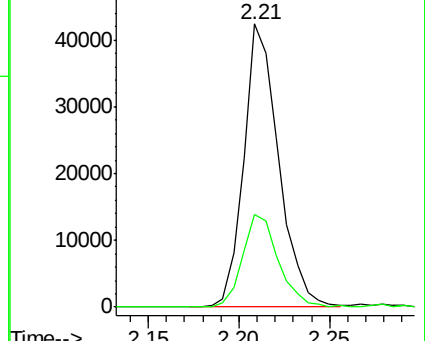
50 100

52 32.9 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.06 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064929.D

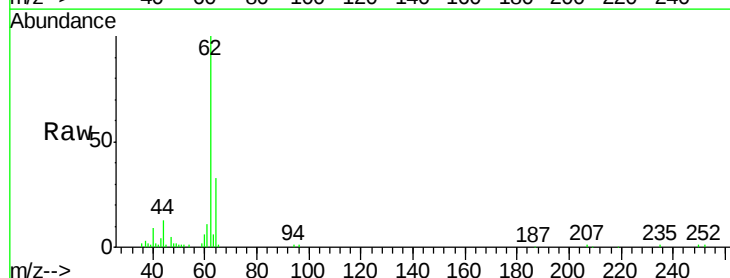
Acq: 23 Jan 2020 11:26

Tgt Ion: 62 Resp: 63448

Ion Ratio Lower Upper

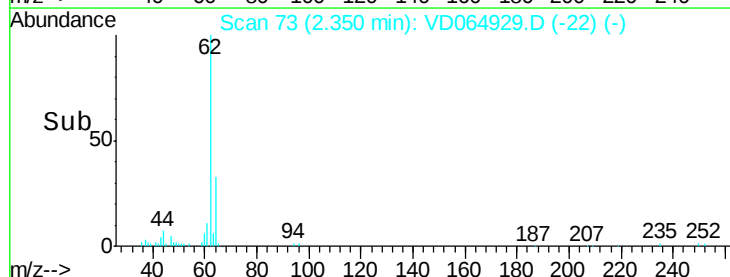
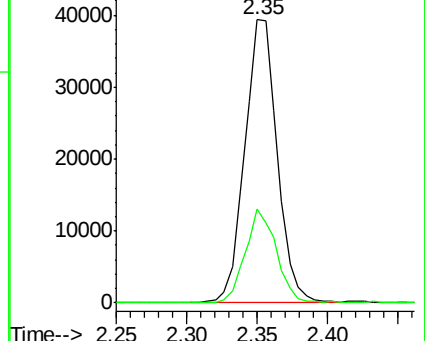
62 100

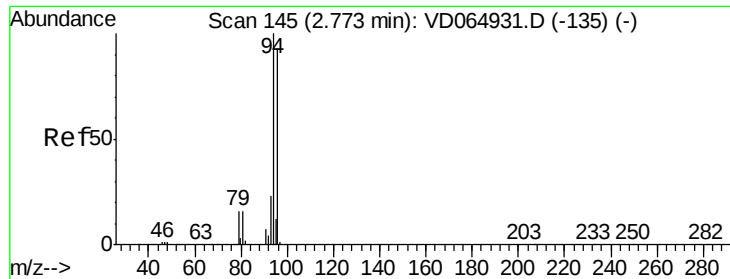
64 33.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 10.23 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

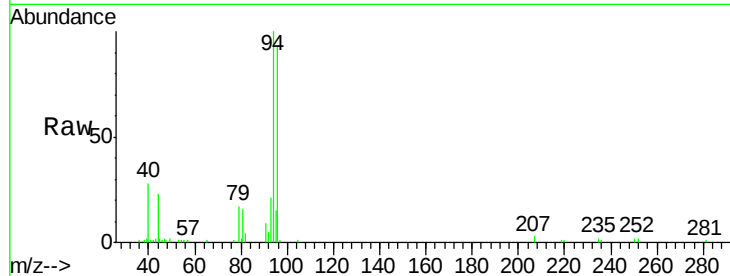
VSTDIC010

Tgt Ion: 94 Resp: 42082

Ion Ratio Lower Upper

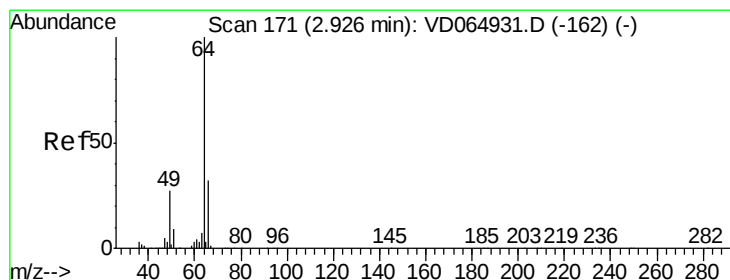
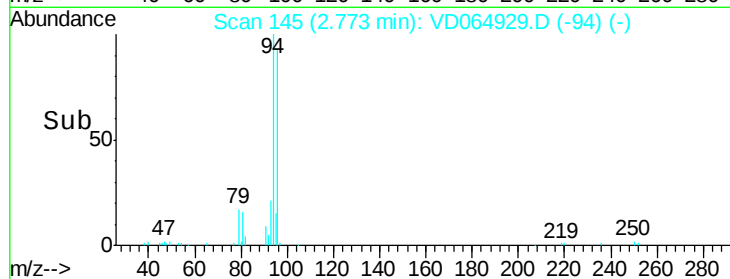
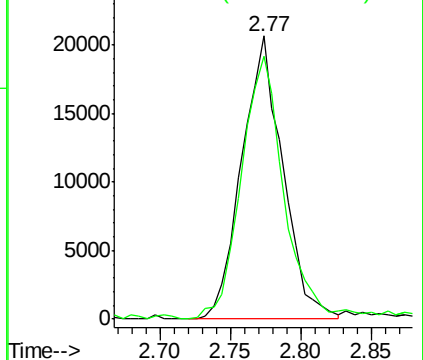
94 100

96 92.8 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.79 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064929.D

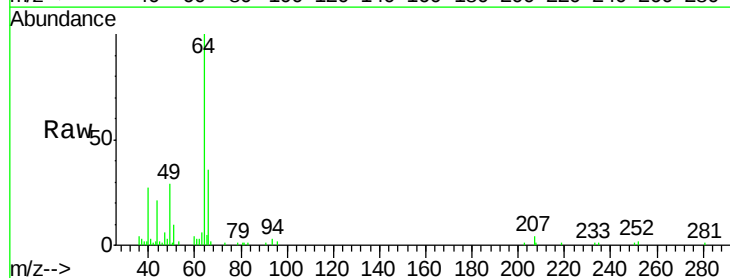
Acq: 23 Jan 2020 11:26

Tgt Ion: 64 Resp: 41061

Ion Ratio Lower Upper

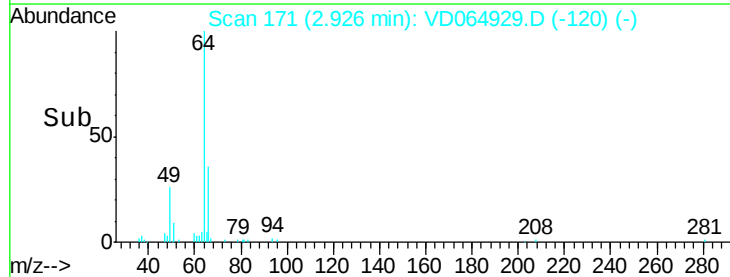
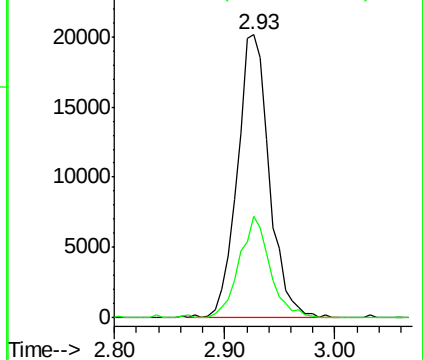
64 100

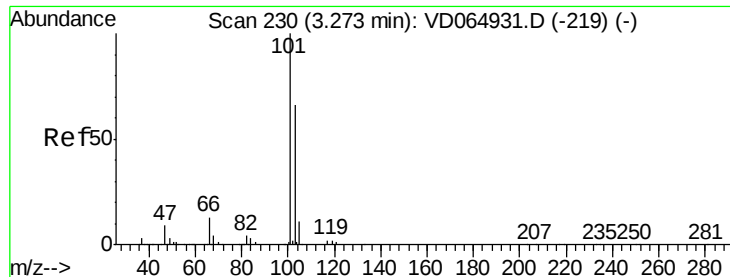
66 35.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



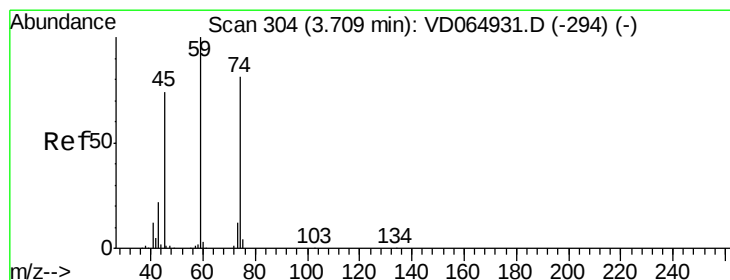
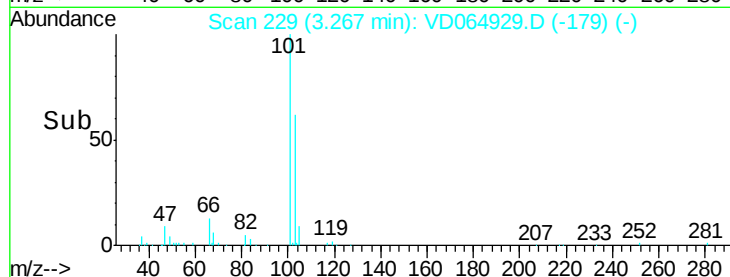
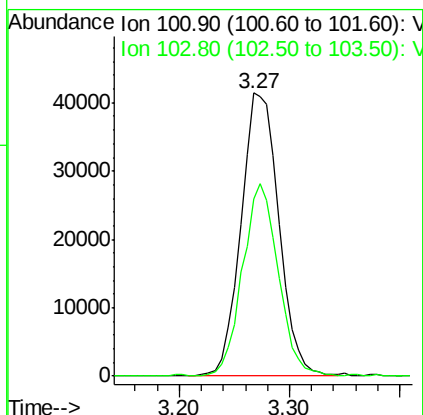
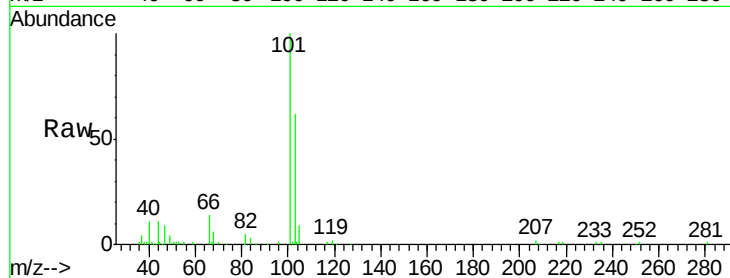


#7

Trichlorofluoromethane
Concen: 10.50 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Instrument :
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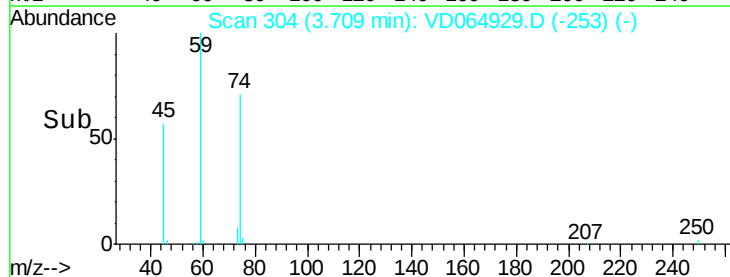
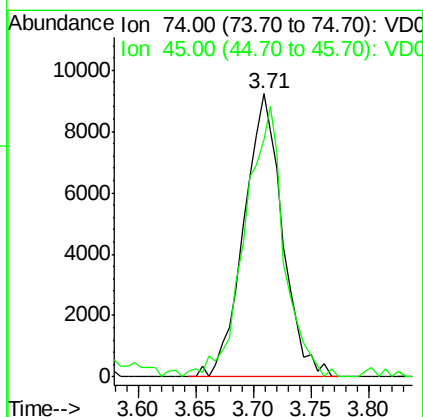
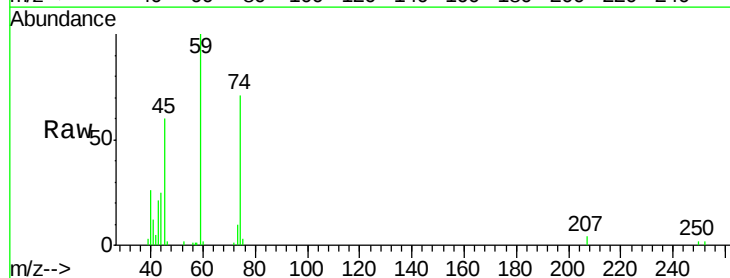
Tgt Ion: 101 Resp: 99763
Ion Ratio Lower Upper
101 100
103 62.4 52.5 78.7

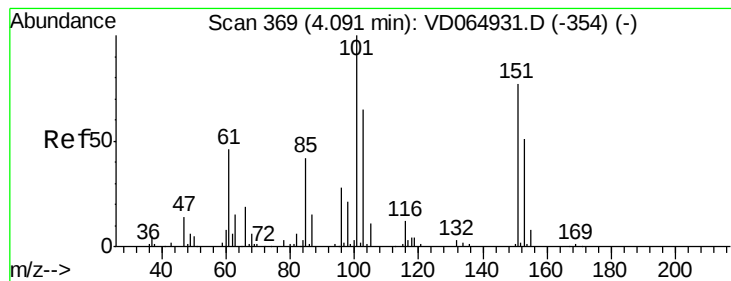


#8

Diethyl Ether
Concen: 11.10 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 74 Resp: 21365
Ion Ratio Lower Upper
74 100
45 97.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.12 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

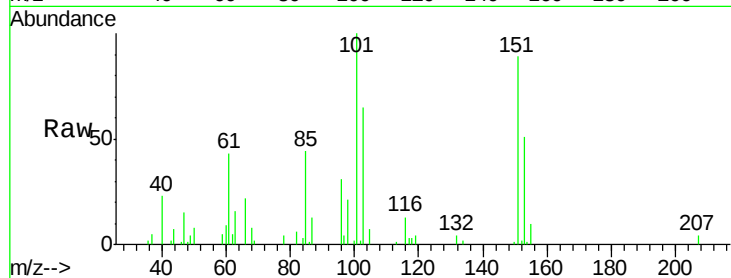
Tgt Ion:101 Resp: 44425

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

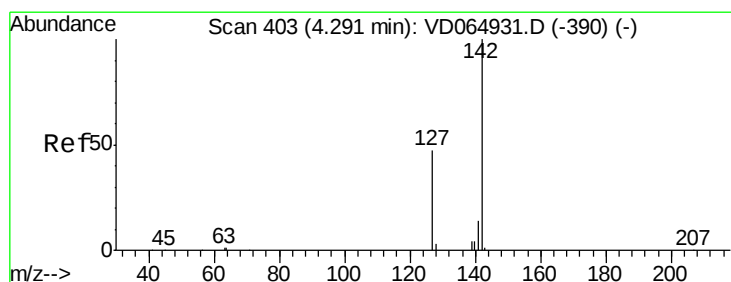
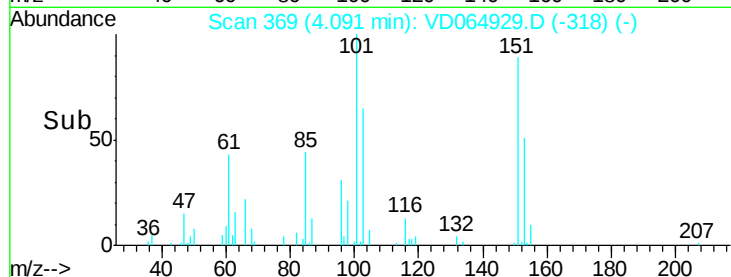
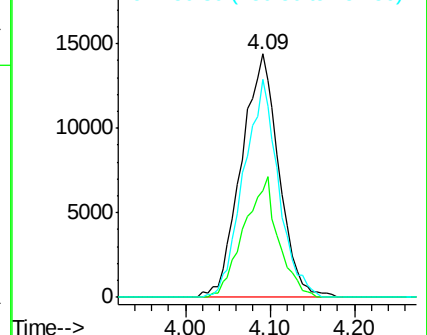
151 83.0 64.6 96.8



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: 9.60 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

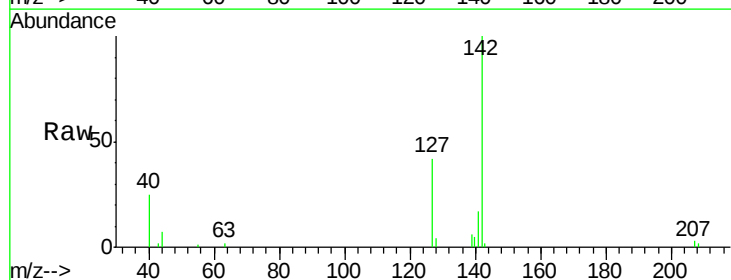
Tgt Ion:142 Resp: 41046

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

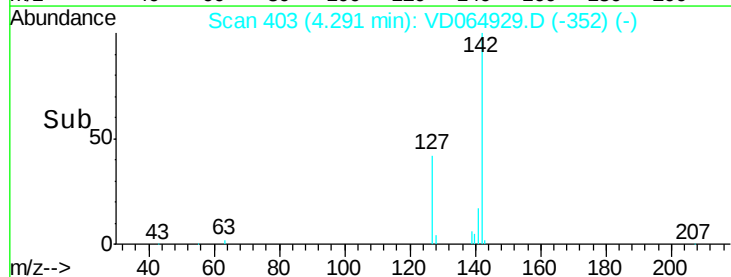
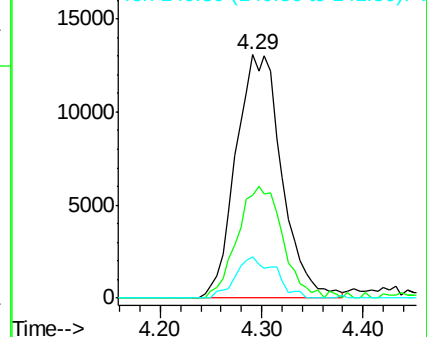
141 14.8 11.6 17.4

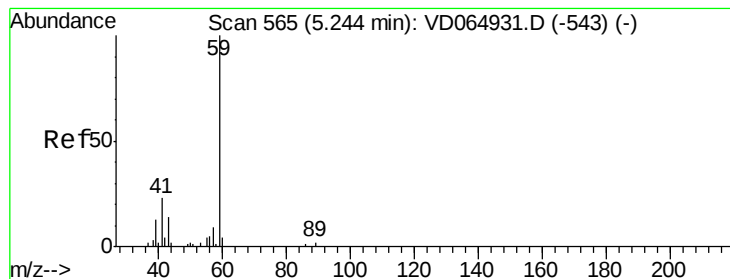


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 56.85 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

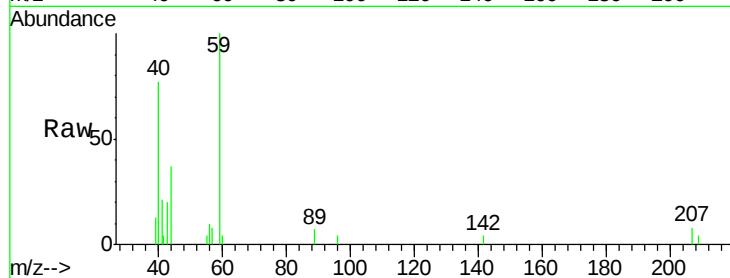
VSTDIC010

Tgt Ion: 59 Resp: 12604

Ion Ratio Lower Upper

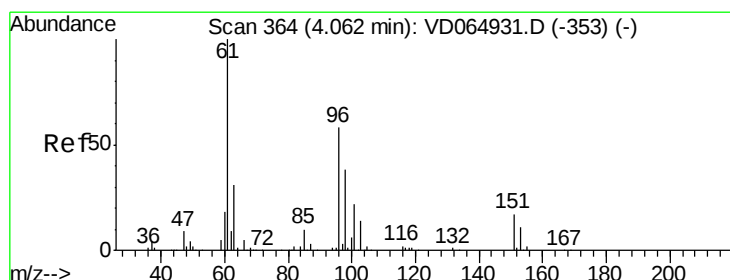
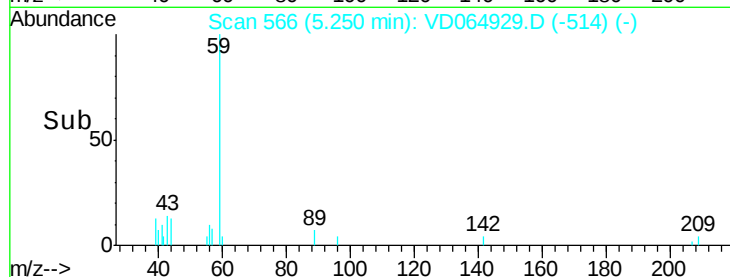
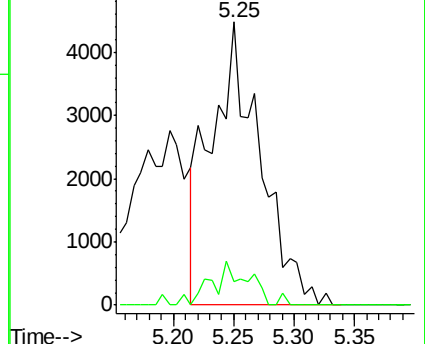
59 100

57 11.1 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 11.27 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

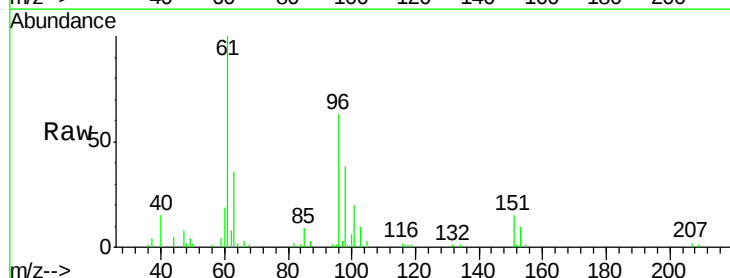
Tgt Ion: 96 Resp: 42838

Ion Ratio Lower Upper

96 100

61 157.8 137.0 205.4

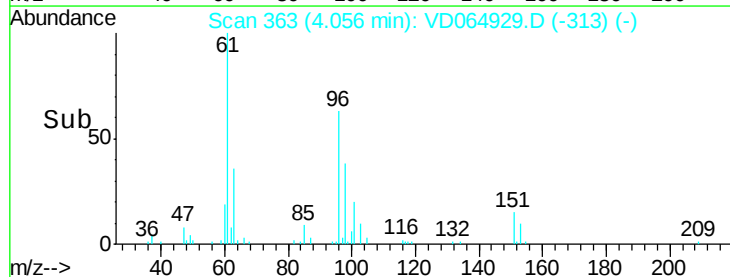
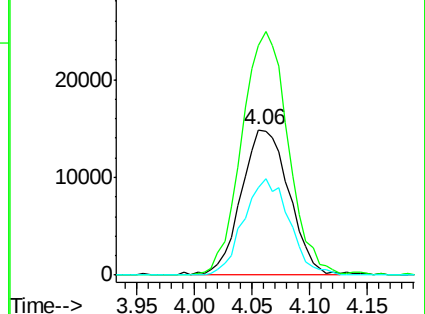
98 60.4 52.1 78.1

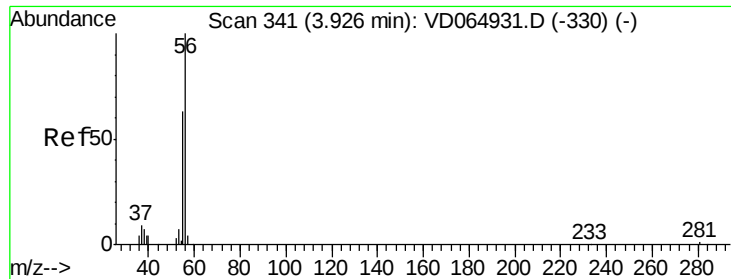


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 53.07 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

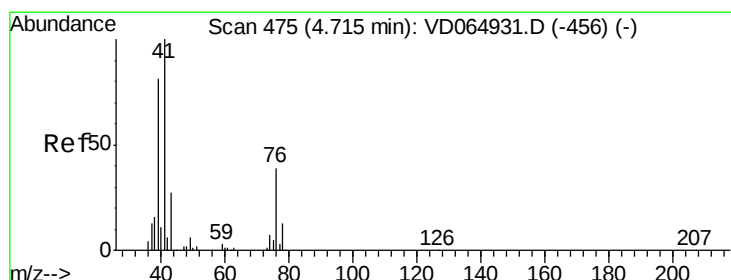
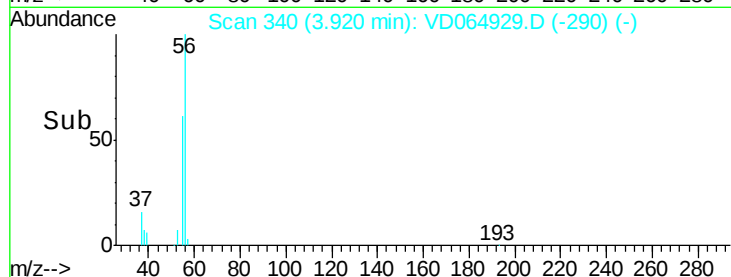
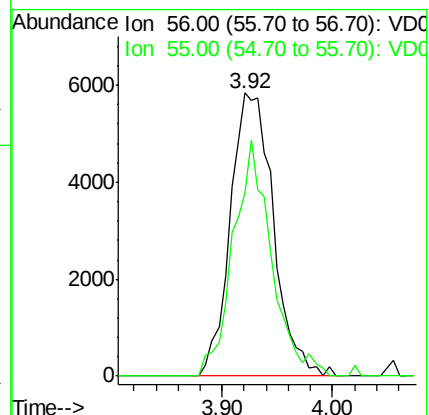
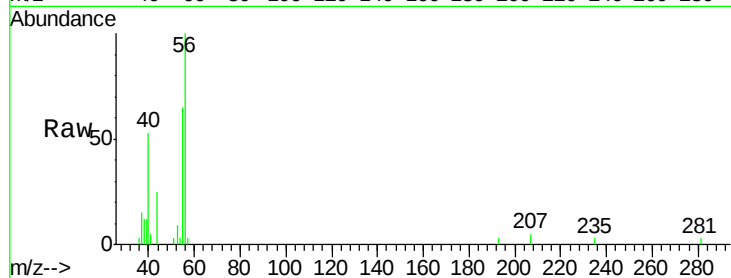
VSTDIC010

Tgt Ion: 56 Resp: 15934

Ion Ratio Lower Upper

56 100

55 74.0 59.7 89.5



#14

Allyl chloride

Concen: 10.67 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

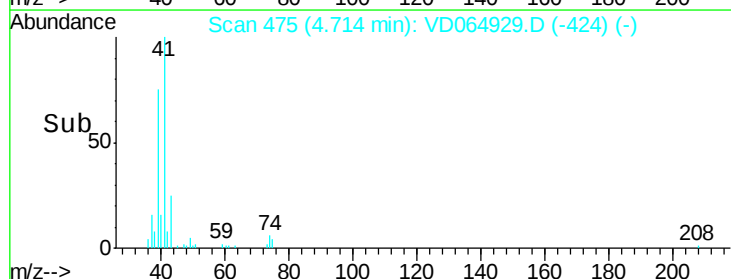
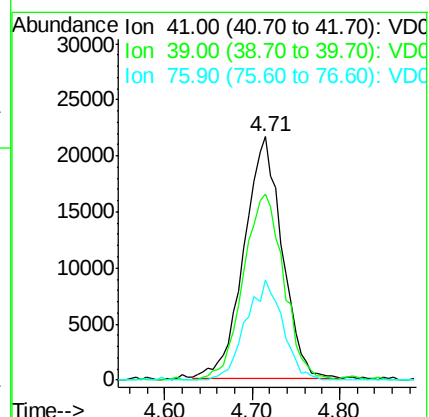
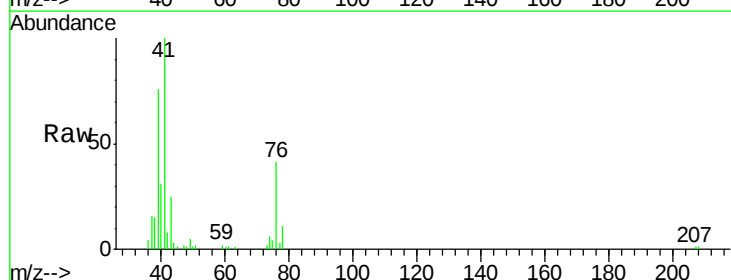
Tgt Ion: 41 Resp: 63685

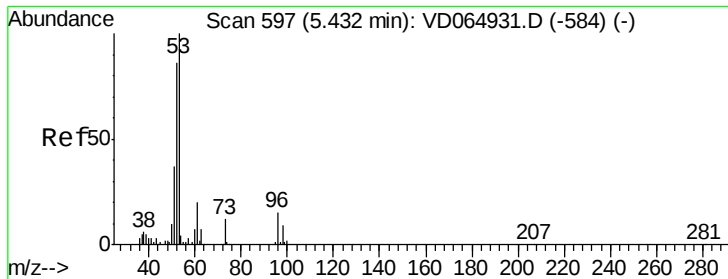
Ion Ratio Lower Upper

41 100

39 82.1 62.0 93.0

76 40.4 29.3 43.9





#15

Acrylonitrile

Concen: 56.20 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

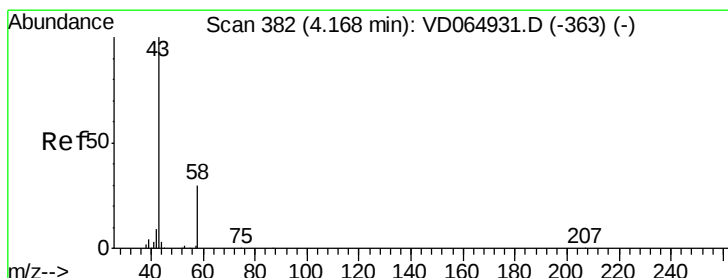
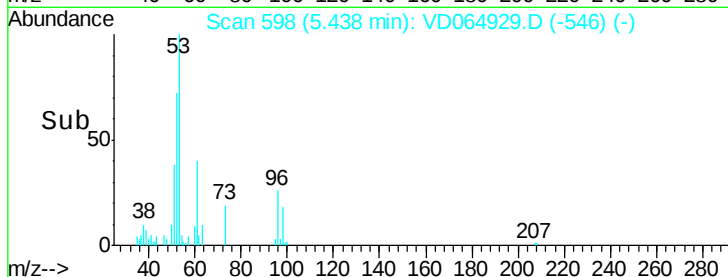
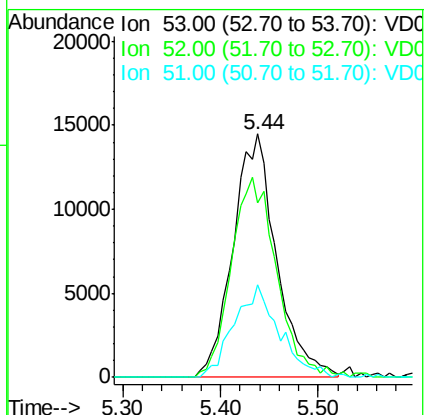
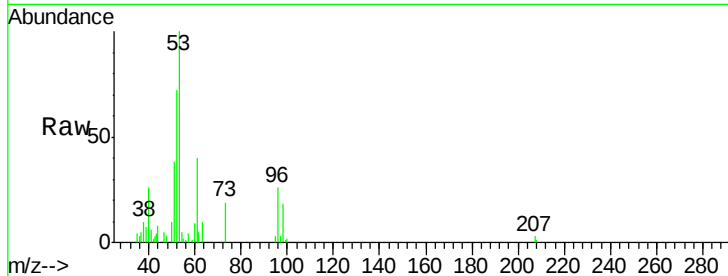
Tgt Ion: 53 Resp: 45108

Ion Ratio Lower Upper

53 100

52 85.4 66.7 100.1

51 39.3 31.1 46.7



#16

Acetone

Concen: 61.73 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064929.D

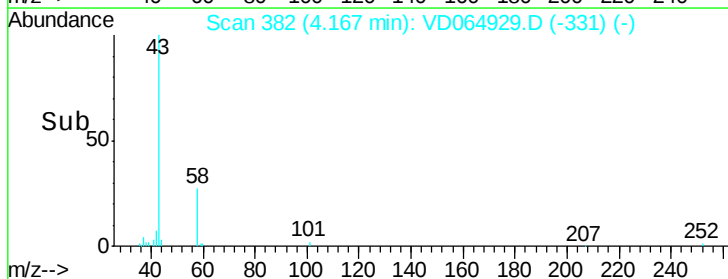
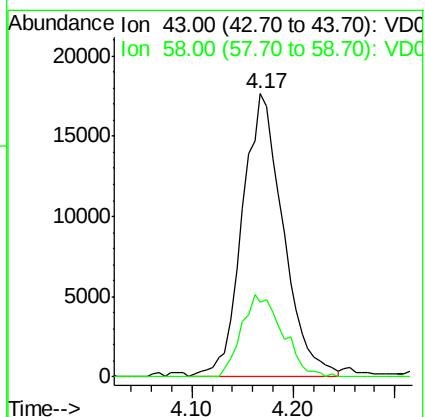
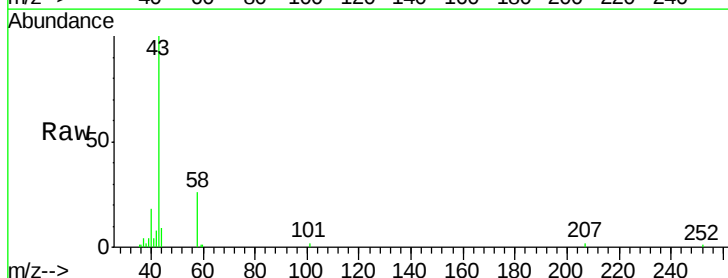
Acq: 23 Jan 2020 11:26

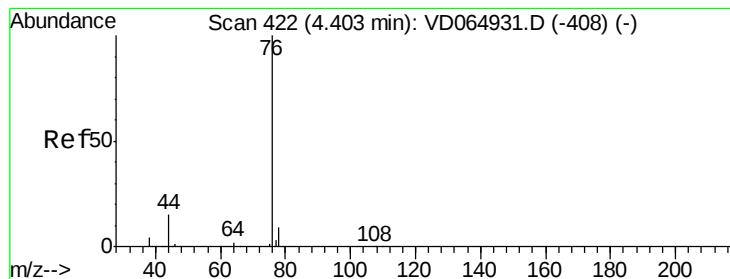
Tgt Ion: 43 Resp: 49600

Ion Ratio Lower Upper

43 100

58 26.2 23.8 35.8





#17

Carbon Disulfide

Concen: 11.48 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

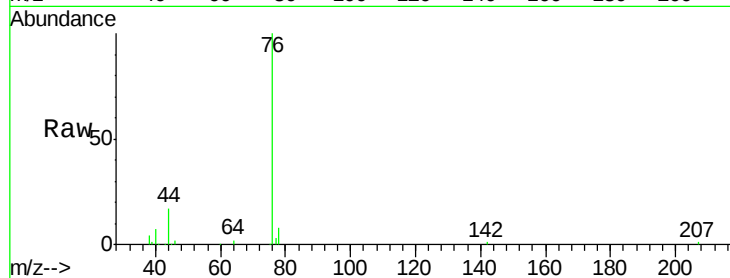
VSTDIC010

Tgt Ion: 76 Resp: 142073

Ion Ratio Lower Upper

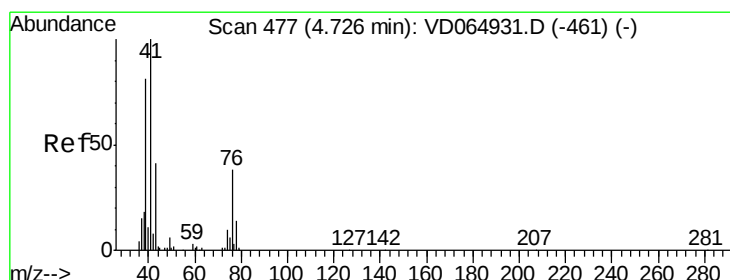
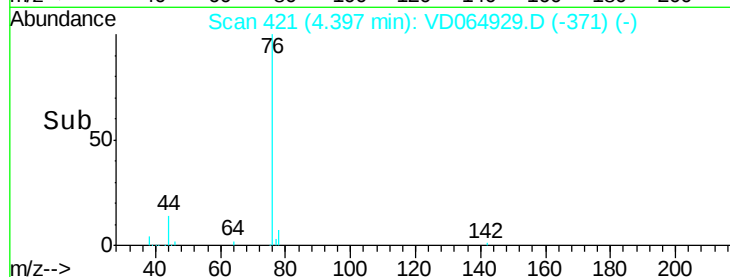
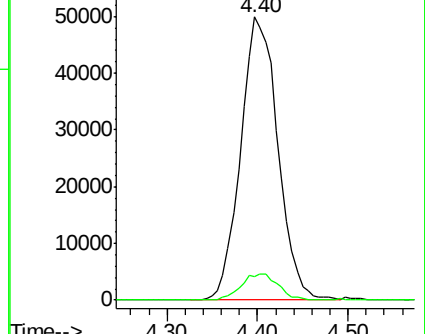
76 100

78 8.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.00 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064929.D

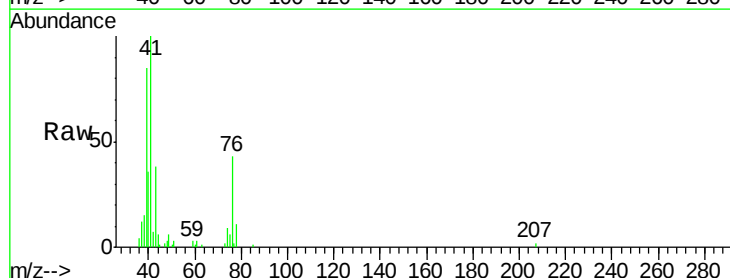
Acq: 23 Jan 2020 11:26

Tgt Ion: 43 Resp: 21210

Ion Ratio Lower Upper

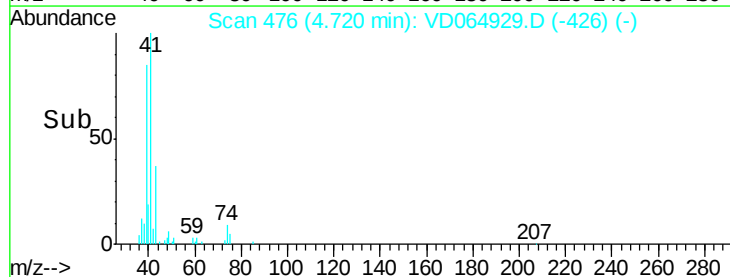
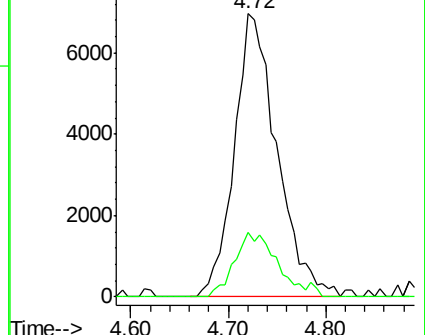
43 100

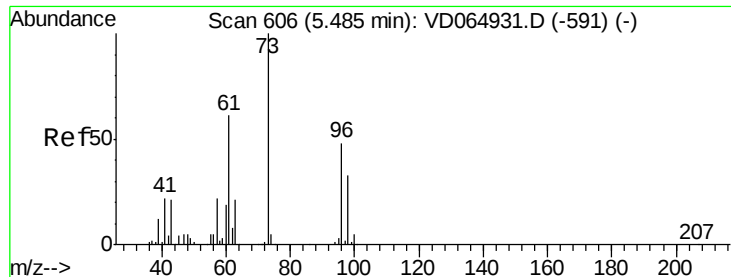
74 23.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

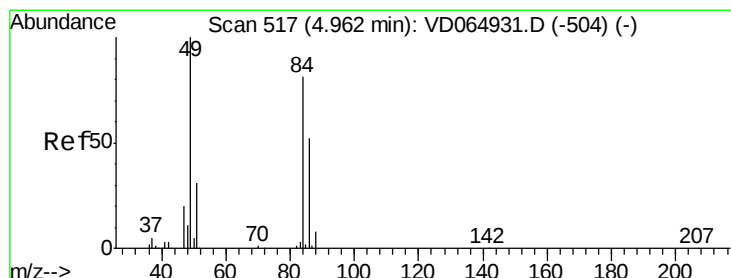
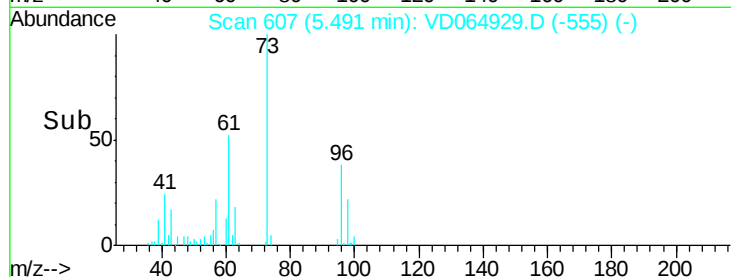
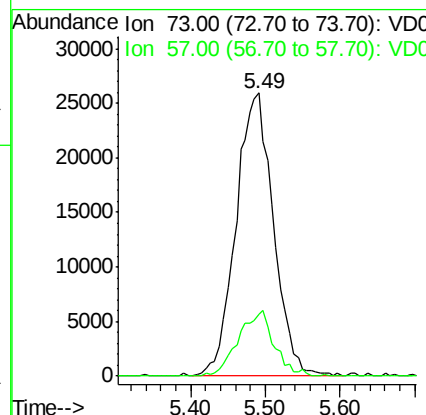
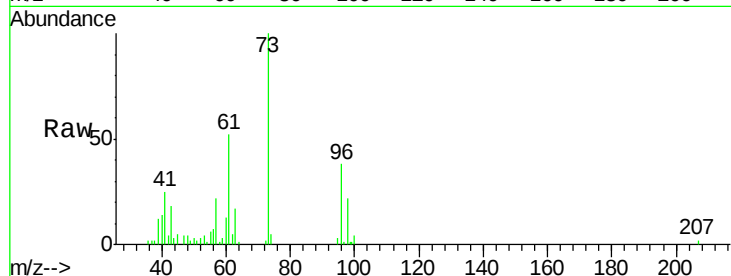




#19
Methyl tert-butyl Ether
Concen: 10.69 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

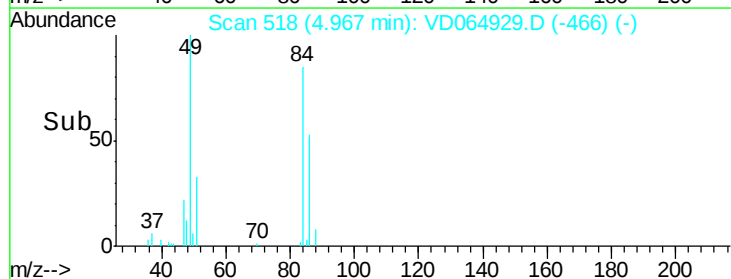
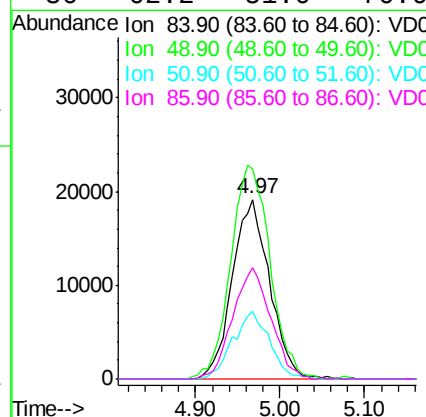
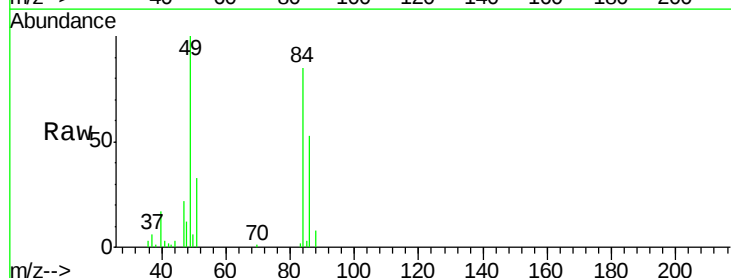
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

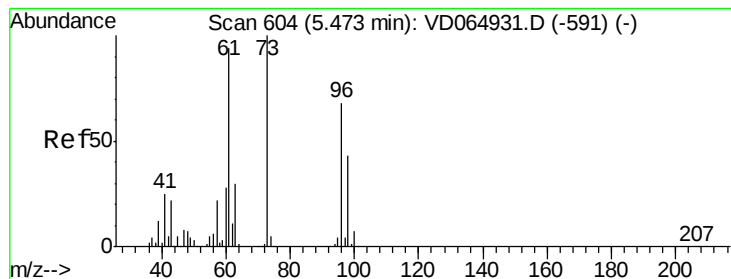
Tgt Ion: 73 Resp: 90547
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 12.79 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 84 Resp: 58412
Ion Ratio Lower Upper
84 100
49 115.8 98.4 147.6
51 38.1 30.8 46.2
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 11.10 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

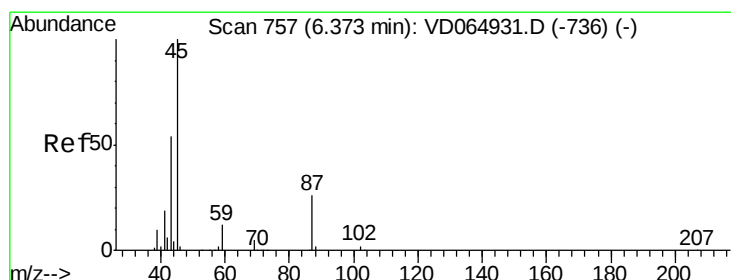
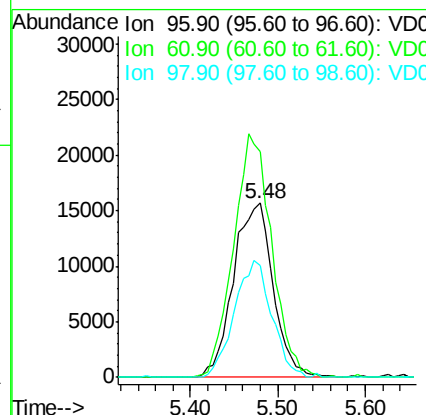
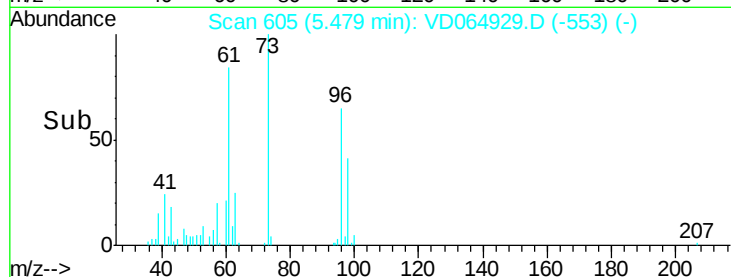
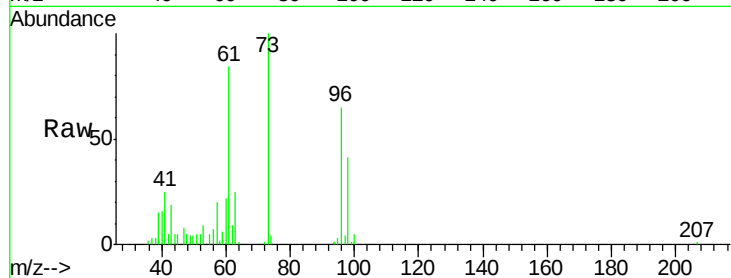
Tgt Ion: 96 Resp: 48335

Ion Ratio Lower Upper

96 100

61 129.3 110.4 165.6

98 63.8 50.5 75.7



#22

Diisopropyl ether

Concen: 10.86 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Tgt Ion: 45 Resp: 129272

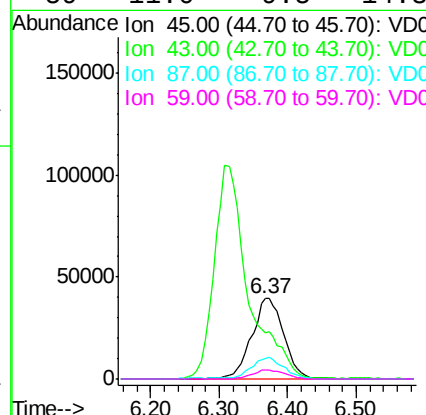
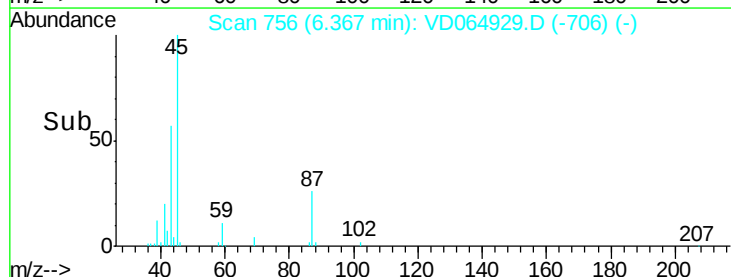
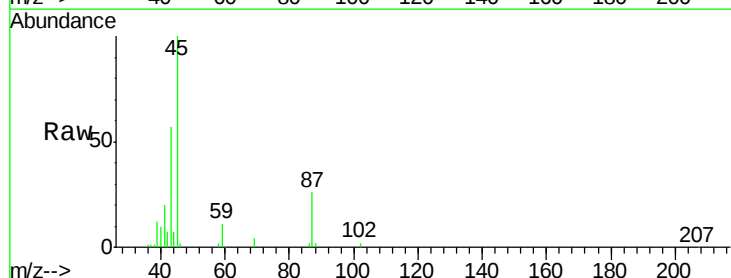
Ion Ratio Lower Upper

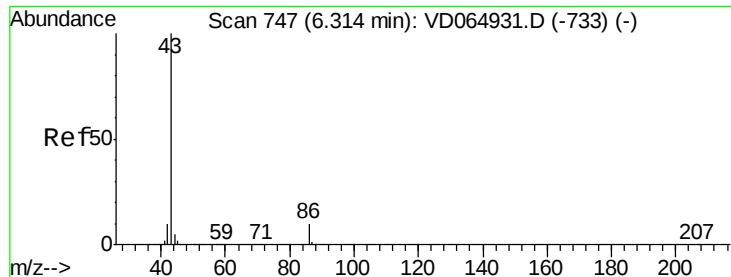
45 100

43 55.8 43.1 64.7

87 25.7 21.4 32.2

59 11.0 9.5 14.3





#23

Vinyl Acetate

Concen: 53.51 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

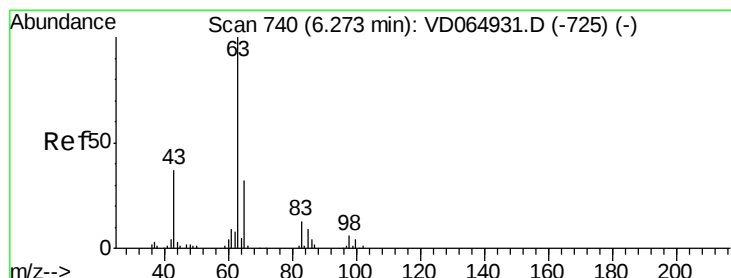
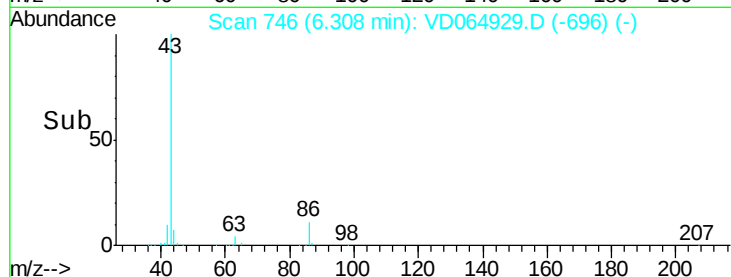
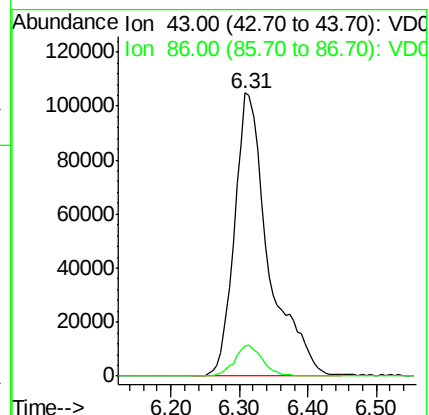
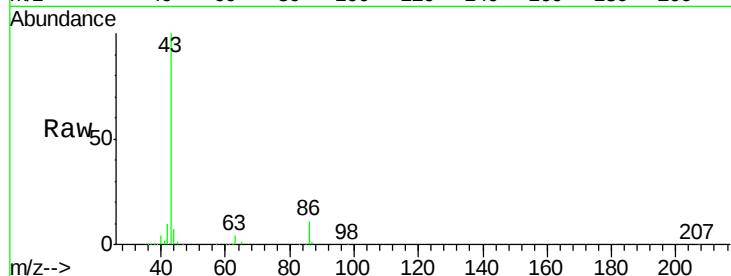
VSTDIC010

Tgt Ion: 43 Resp: 362223

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



#24

1,1-Dichloroethane

Concen: 11.69 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

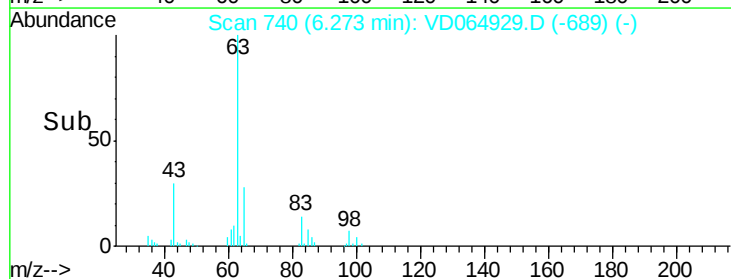
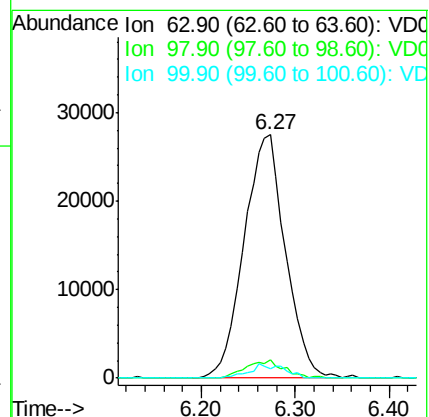
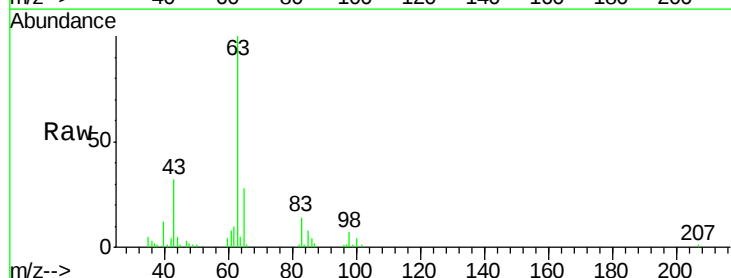
Tgt Ion: 63 Resp: 83661

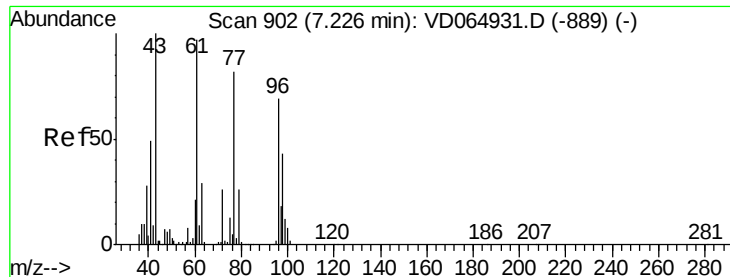
Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.3

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 57.12 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

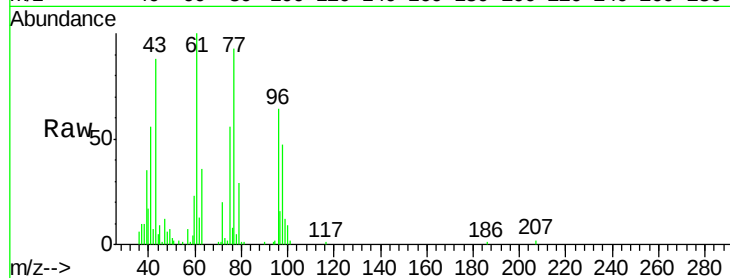
VSTDIC010

Tgt Ion: 43 Resp: 60938

Ion Ratio Lower Upper

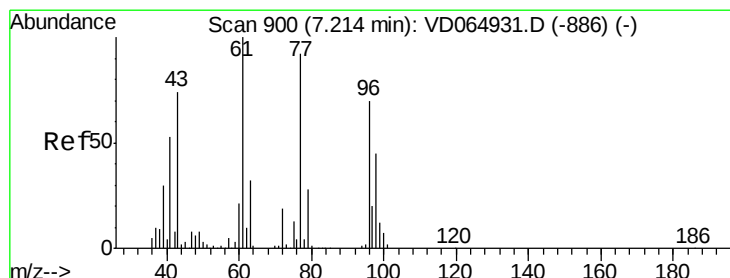
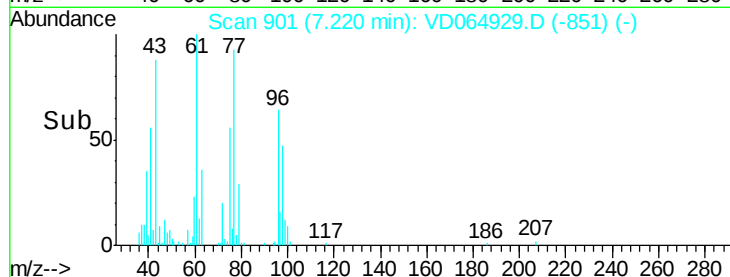
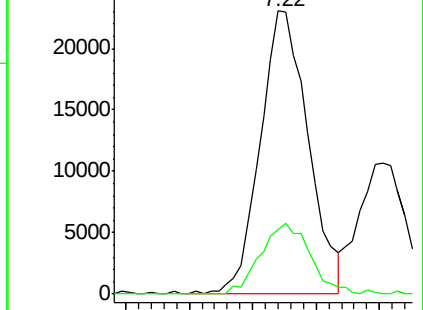
43 100

72 22.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.37 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064929.D

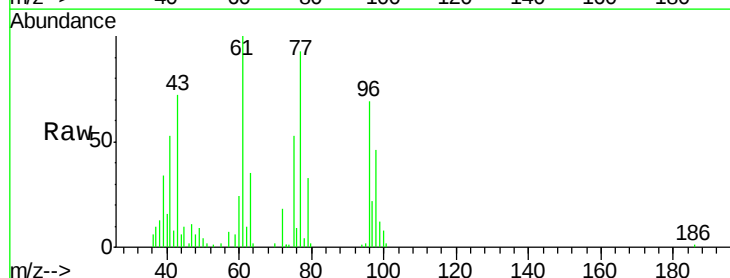
Acq: 23 Jan 2020 11:26

Tgt Ion: 77 Resp: 75332

Ion Ratio Lower Upper

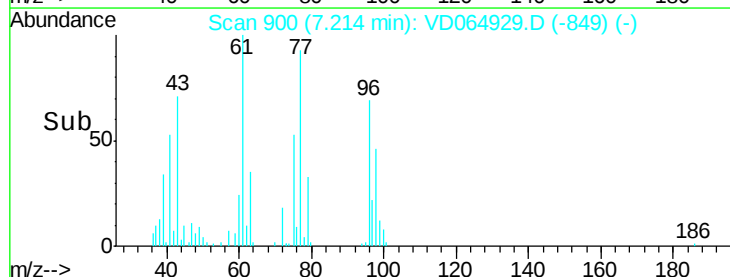
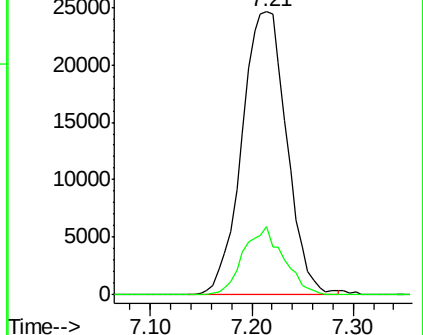
77 100

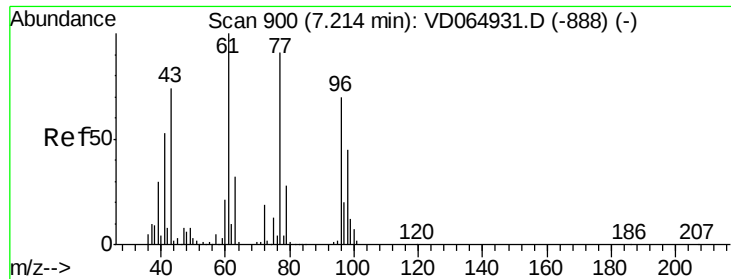
97 21.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 10.75 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

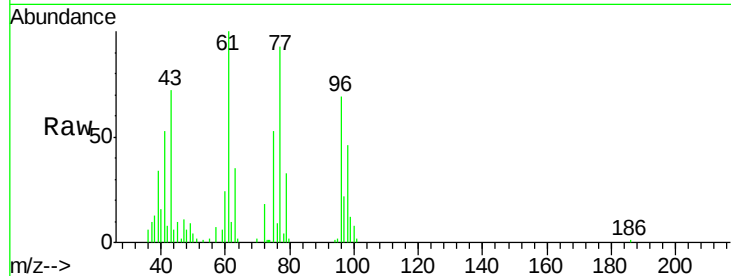
Tgt Ion: 96 Resp: 50218

Ion Ratio Lower Upper

96 100

61 149.0 0.0 292.8

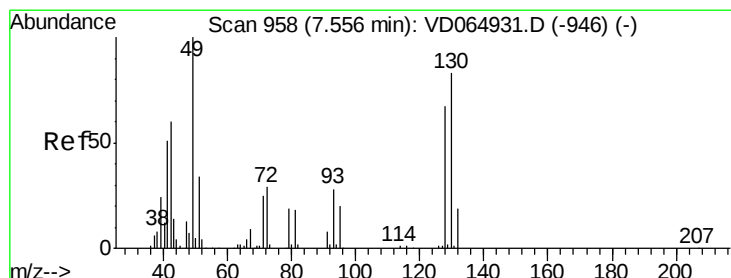
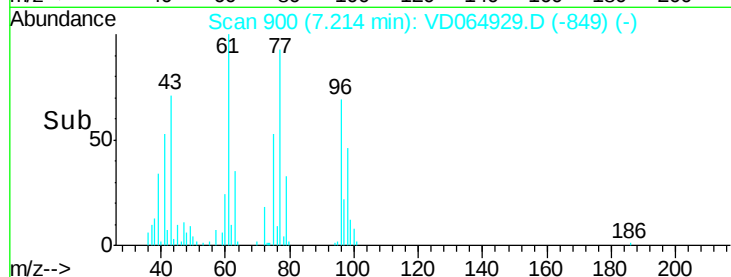
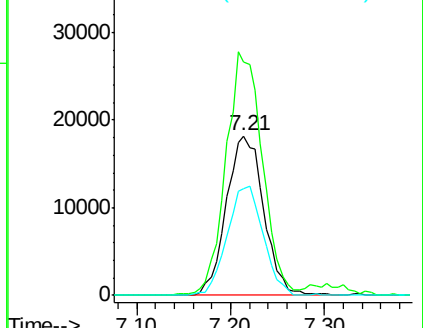
98 65.9 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 10.20 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

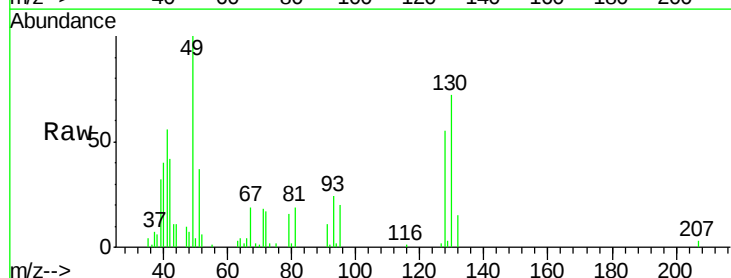
Tgt Ion: 49 Resp: 28813

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

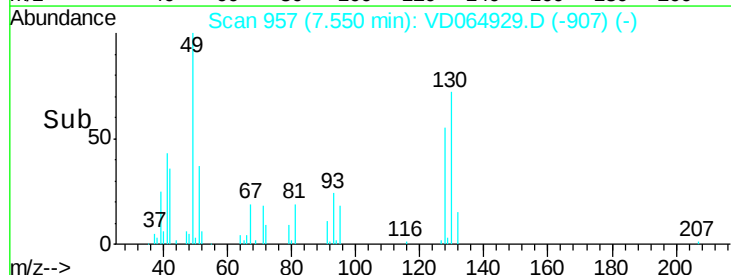
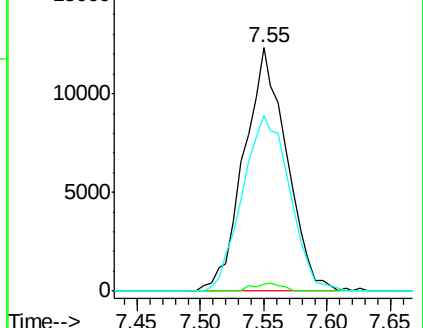
130 80.2 63.8 95.8

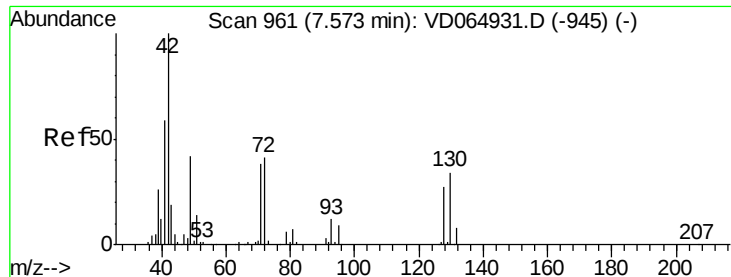


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

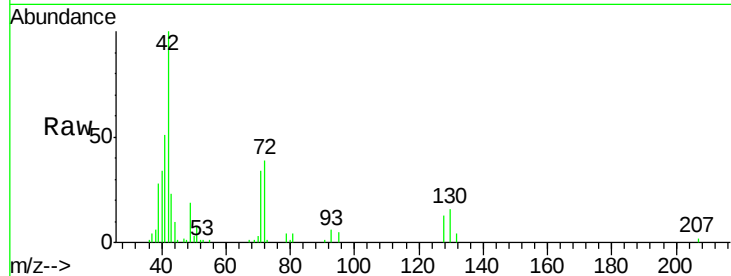




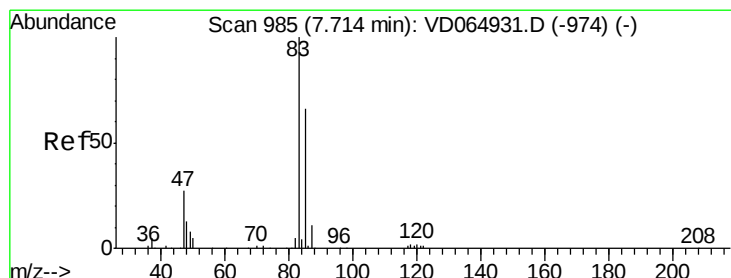
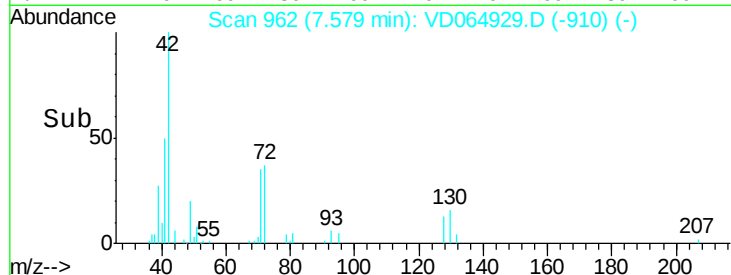
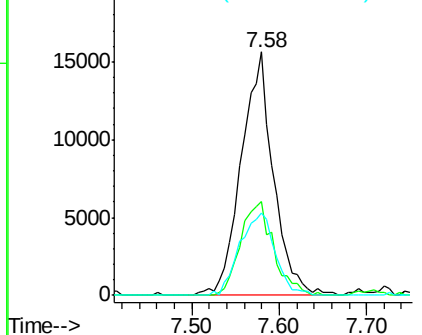
#29
Tetrahydrofuran
Concen: 59.35 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 39082
Ion Ratio Lower Upper
42 100
72 39.4 34.0 51.0
71 37.2 31.5 47.3

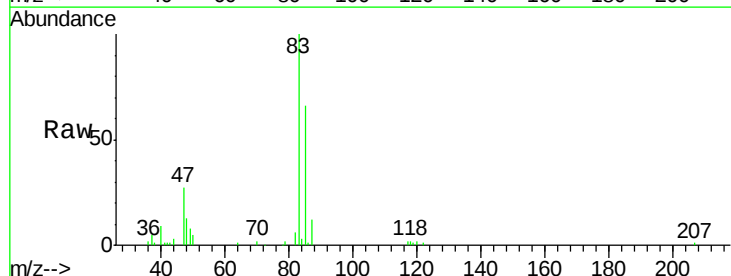


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

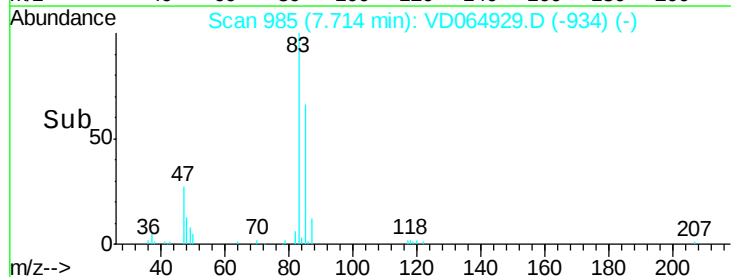
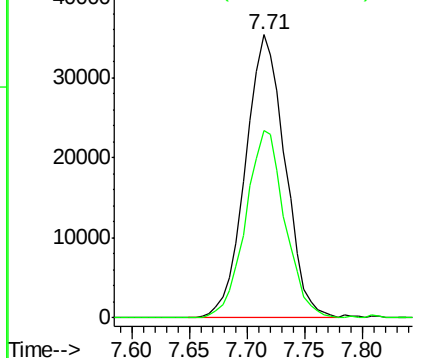


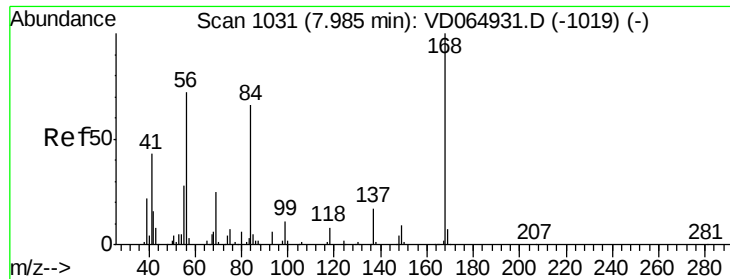
#30
Chloroform
Concen: 11.30 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 83 Resp: 84609
Ion Ratio Lower Upper
83 100
85 66.2 52.4 78.6



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

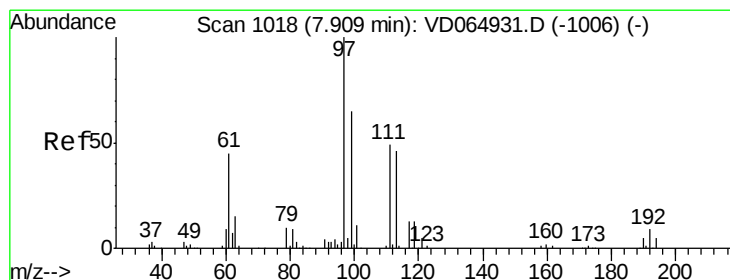
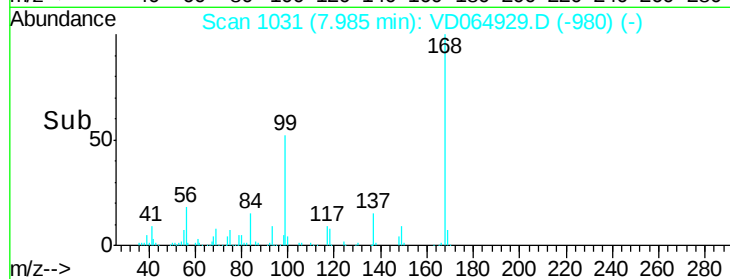
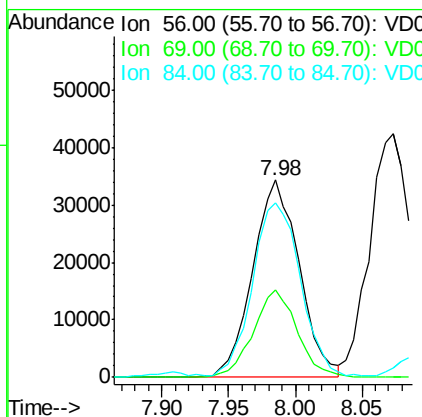
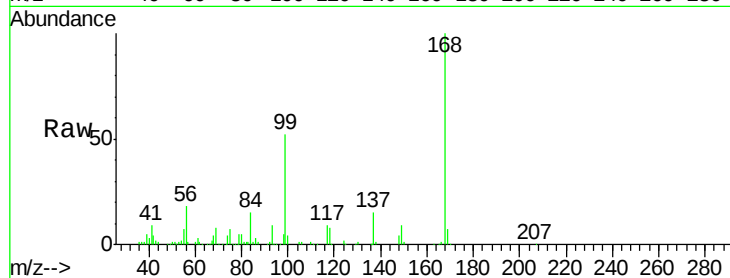




#31
Cyclohexane
Concen: 11.60 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

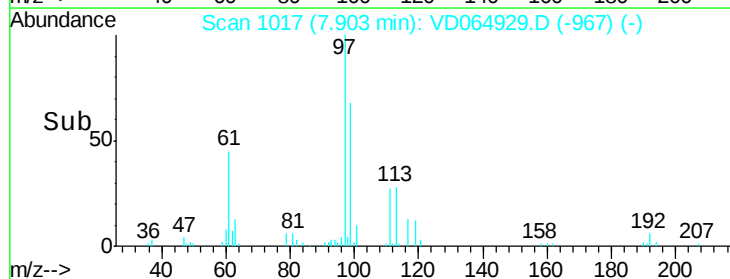
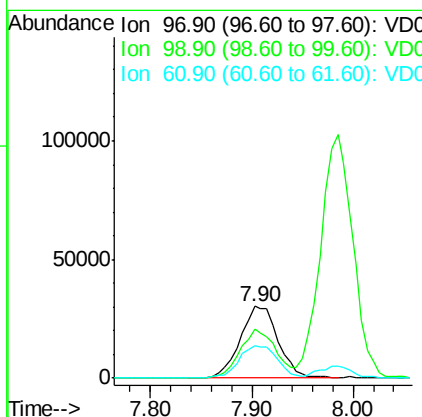
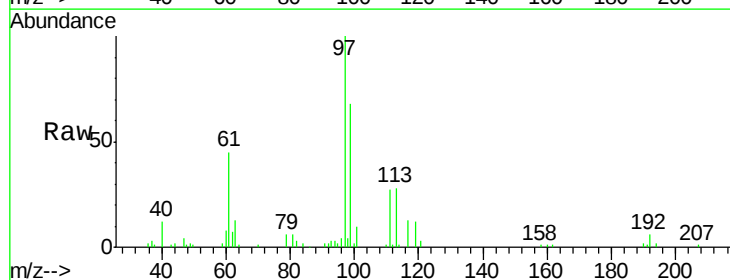
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

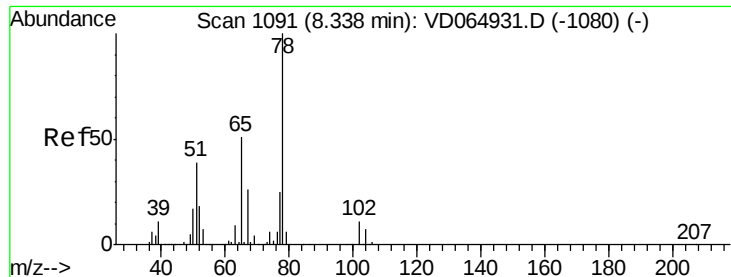
Tgt Ion: 56 Resp: 83080
Ion Ratio Lower Upper
56 100
69 44.6 27.9 41.9#
84 87.1 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 11.17 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 97 Resp: 78559
Ion Ratio Lower Upper
97 100
99 66.3 50.6 76.0
61 45.9 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 10.25 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

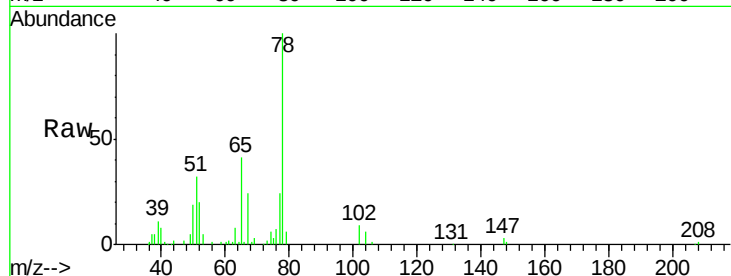
VSTDIC010

Tgt Ion: 65 Resp: 40086

Ion Ratio Lower Upper

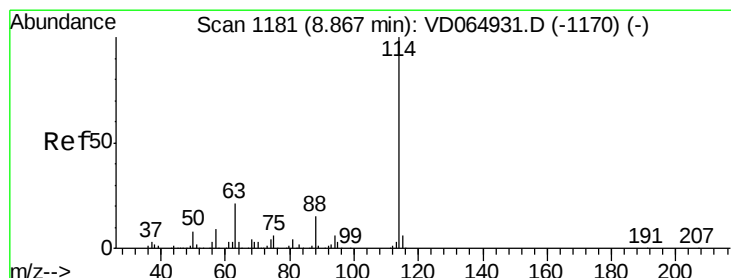
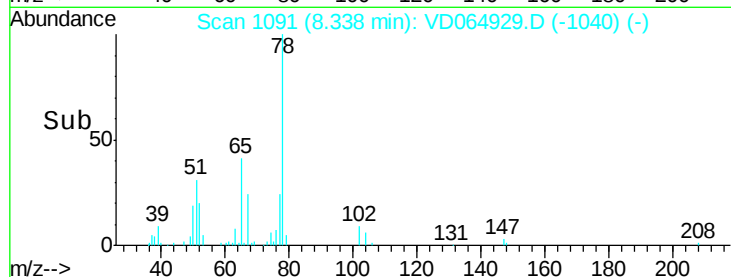
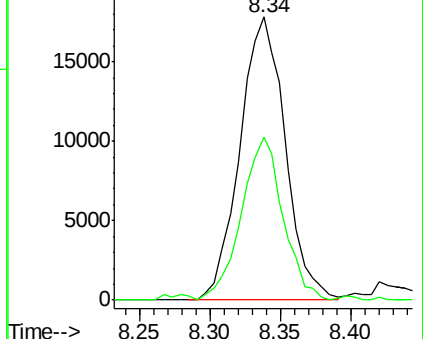
65 100

67 53.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

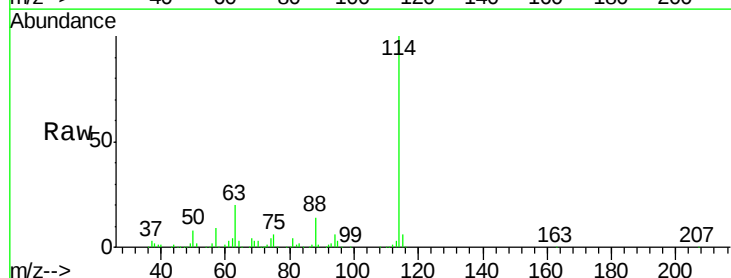
Tgt Ion: 114 Resp: 647868

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

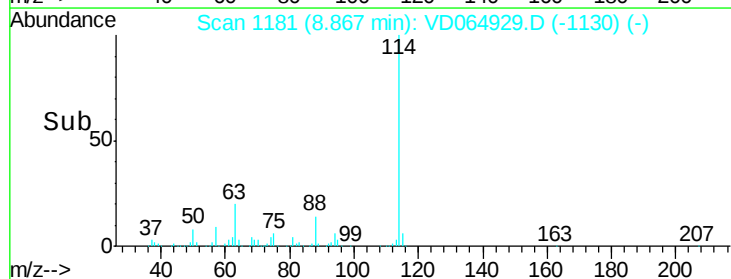
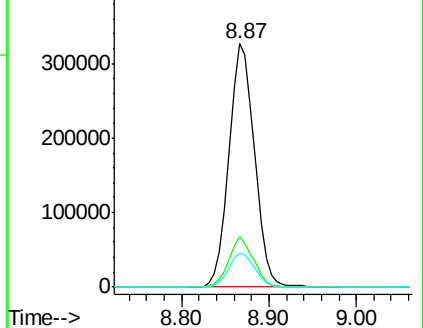
88 13.8 0.0 29.4

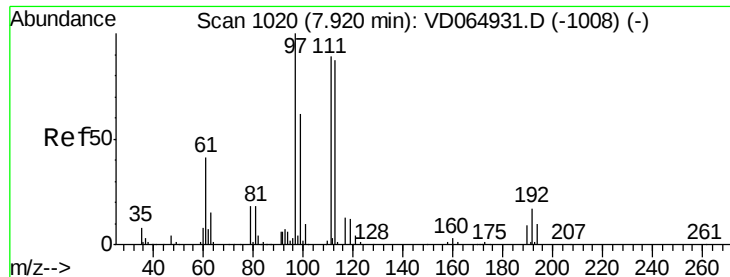


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

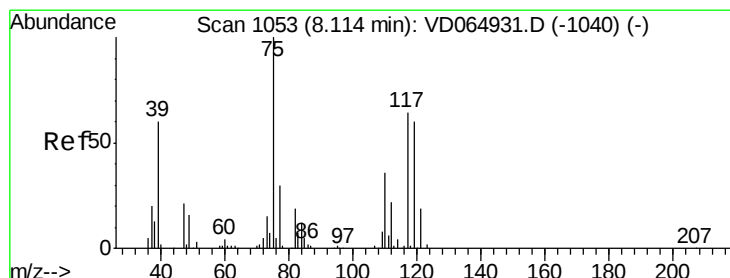
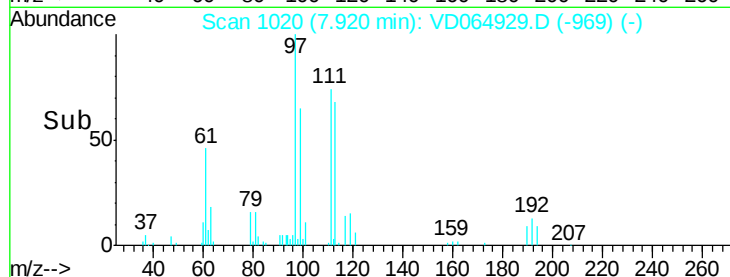
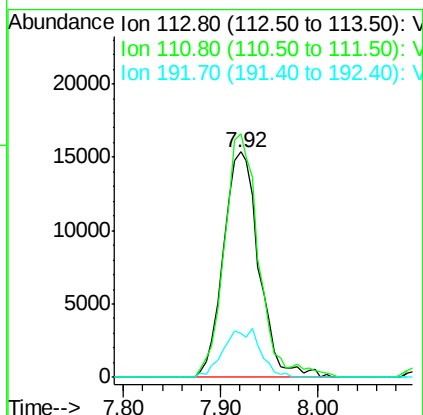
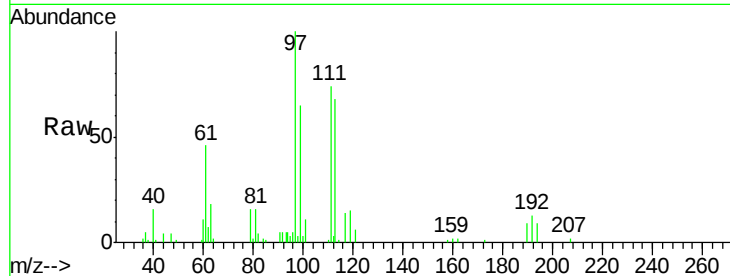




#35
 Dibromofluoromethane
 Concen: 9.73 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

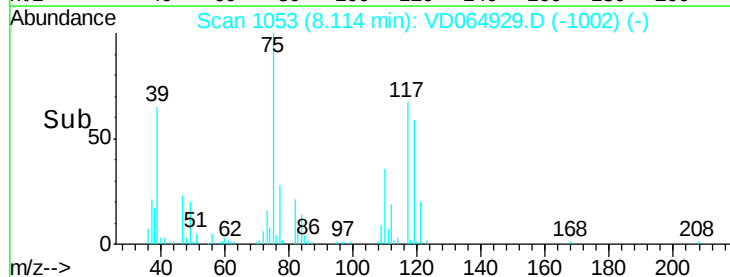
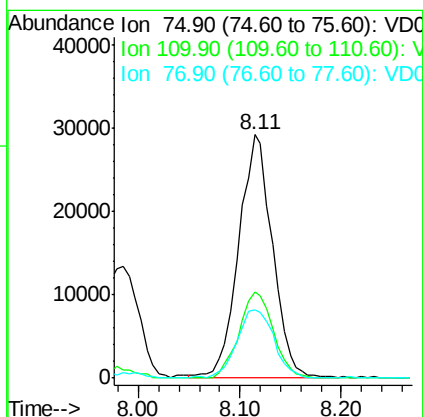
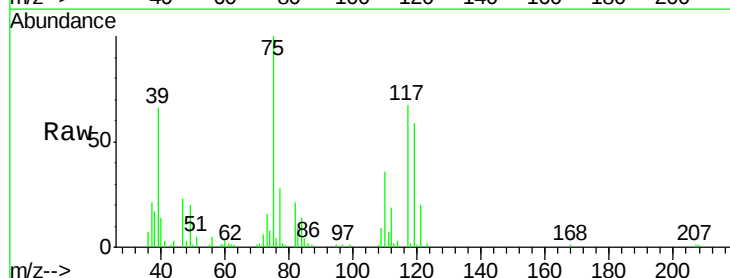
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

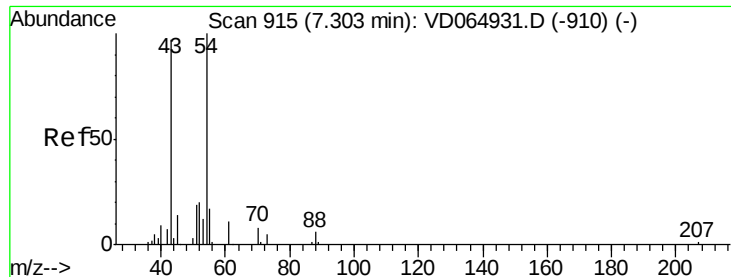
Tgt Ion: 113 Resp: 38928
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.4 123.6
 192 22.1 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 10.84 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 75 Resp: 67637
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.3 52.0
 77 30.8 24.7 37.1

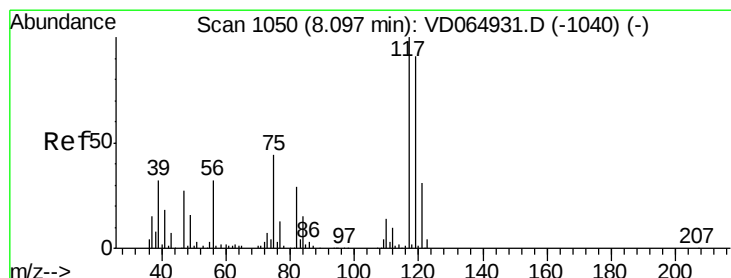
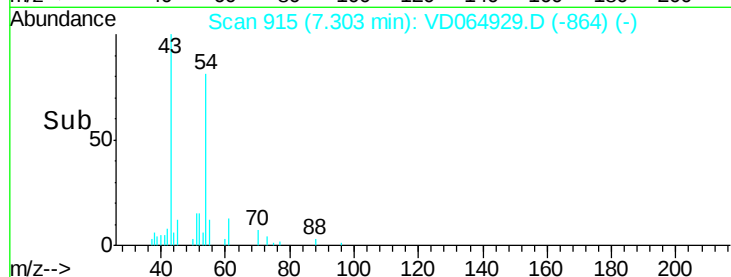
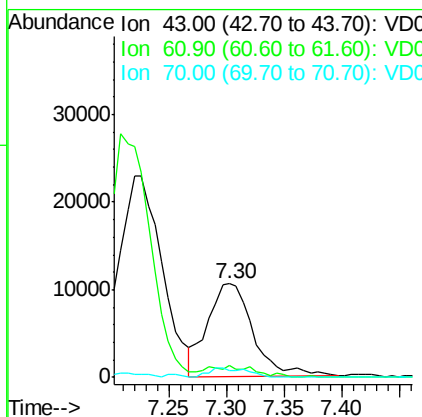
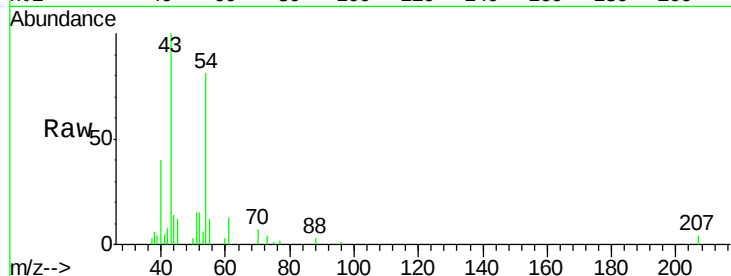




#37
 Ethyl Acetate
 Concen: 11.75 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

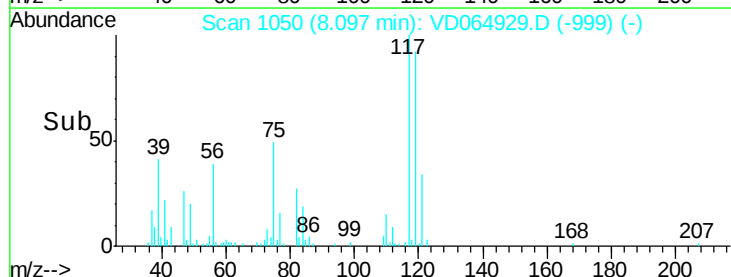
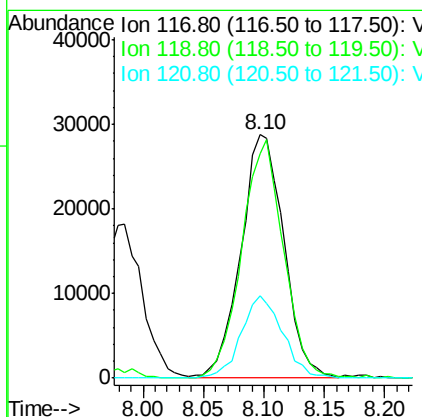
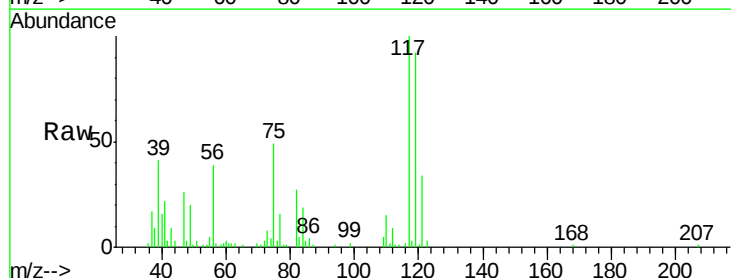
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

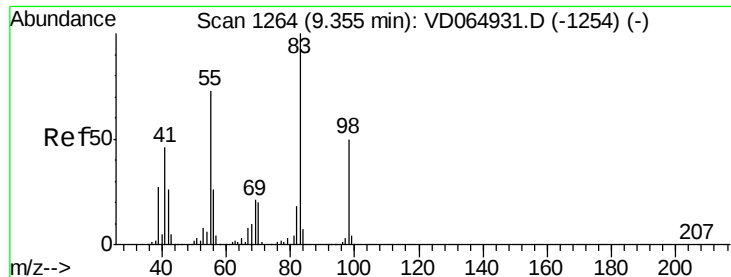
Tgt Ion: 43 Resp: 28594
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.4#
 70 8.5 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 10.77 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 117 Resp: 71396
 Ion Ratio Lower Upper
 117 100
 119 92.3 73.2 109.8
 121 33.8 24.4 36.6

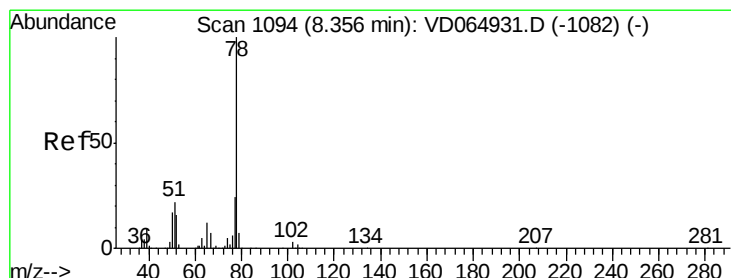
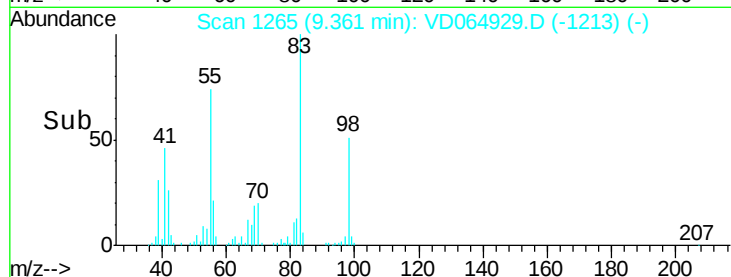
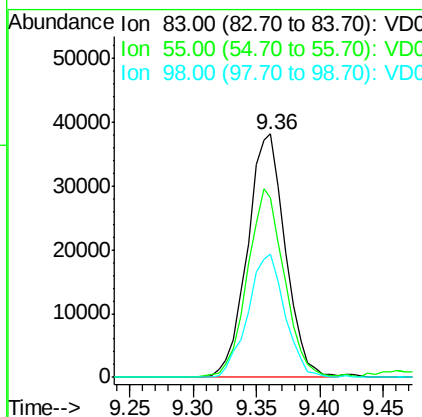
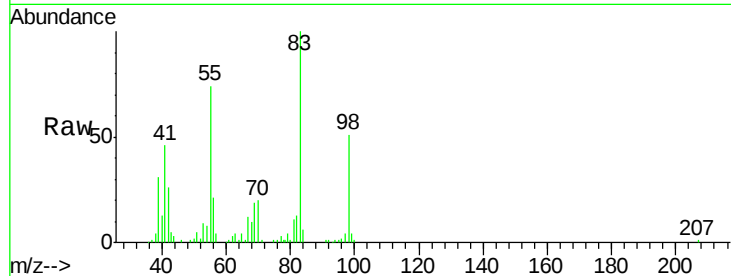




#39
Methylcyclohexane
Concen: 10.56 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

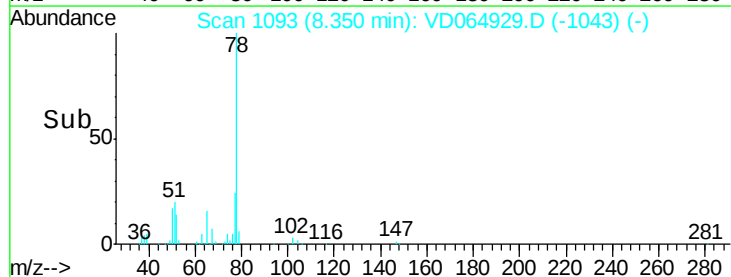
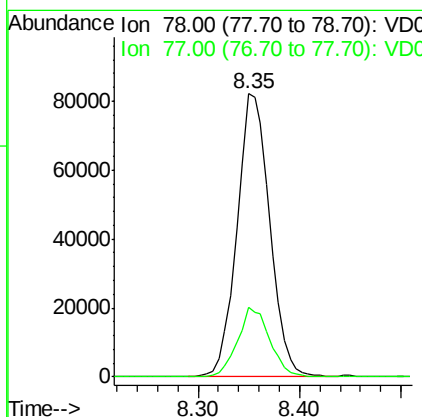
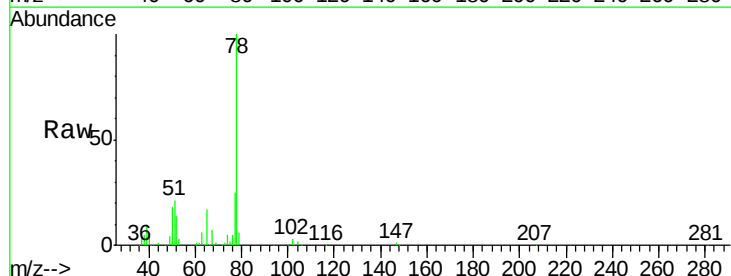
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

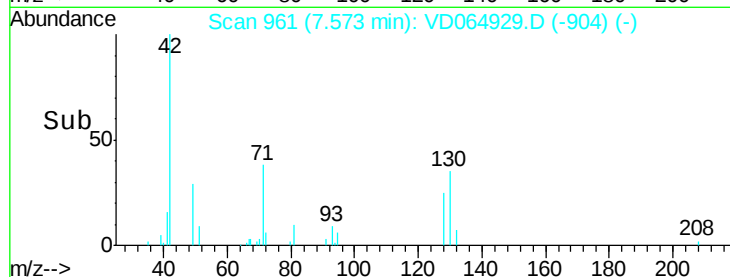
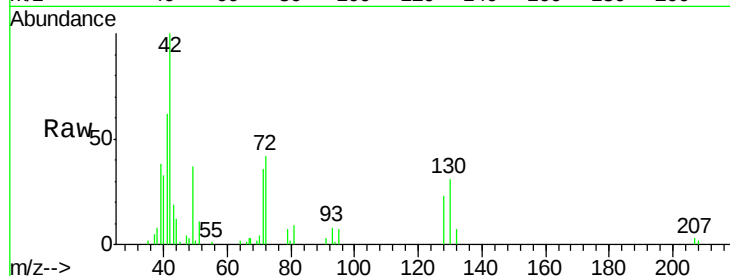
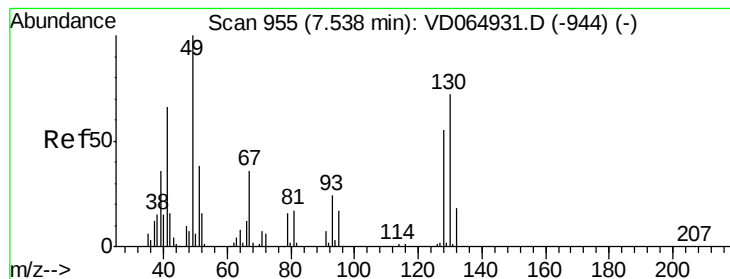
Tgt Ion: 83 Resp: 79381
Ion Ratio Lower Upper
83 100
55 73.7 58.7 88.1
98 50.5 40.2 60.2



#40
Benzene
Concen: 10.77 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 78 Resp: 183469
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8





#41

Methacrylonitrile

Concen: 26.92 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 38385

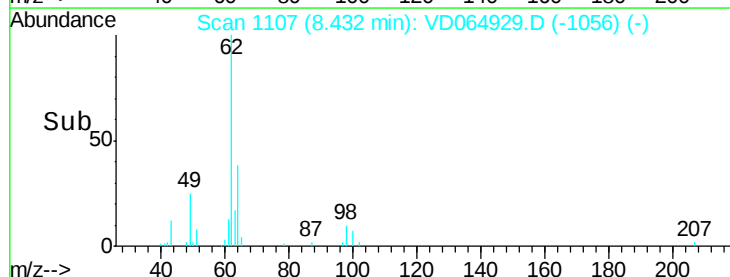
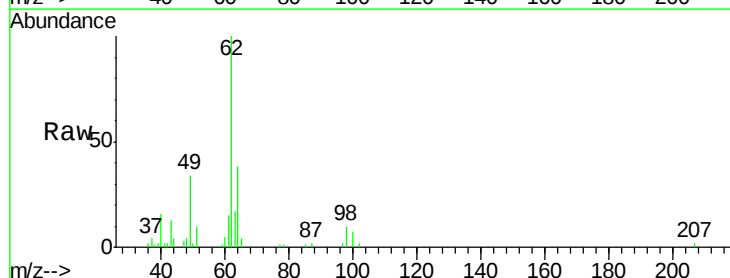
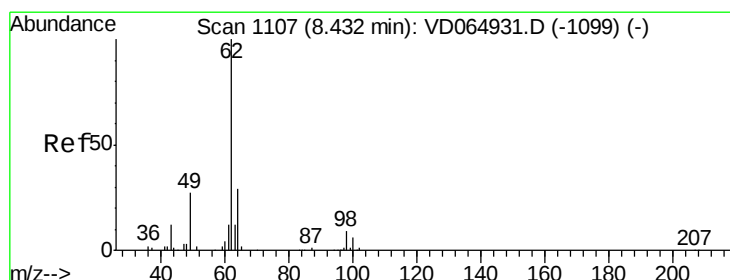
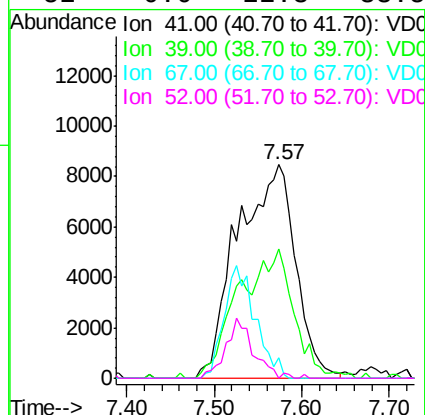
Ion Ratio Lower Upper

41 100

39 33.5 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#



#42

1,2-Dichloroethane

Concen: 11.39 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064929.D

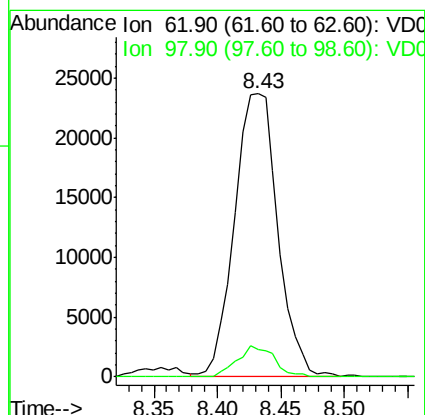
Acq: 23 Jan 2020 11:26

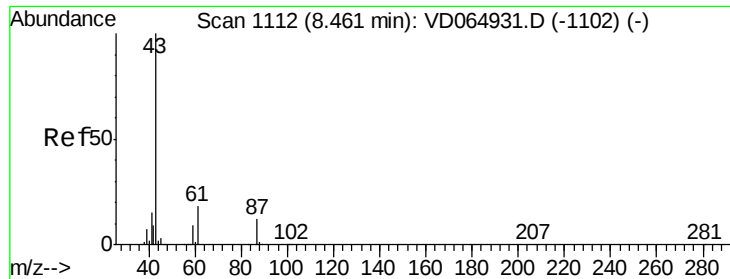
Tgt Ion: 62 Resp: 56306

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 10.81 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

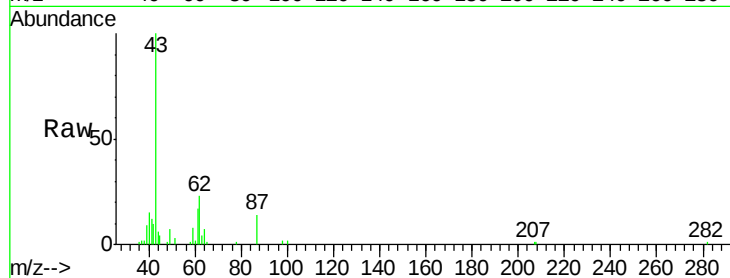
Tgt Ion: 43 Resp: 52420

Ion Ratio Lower Upper

43 100

61 28.4 23.8 35.6

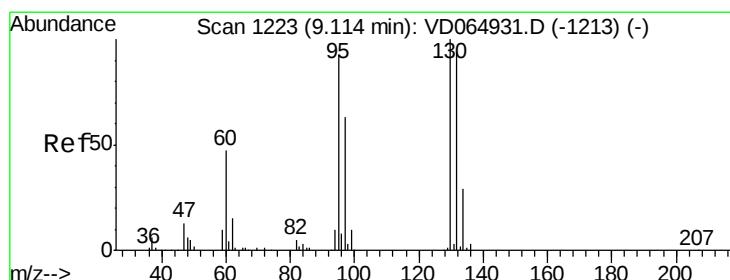
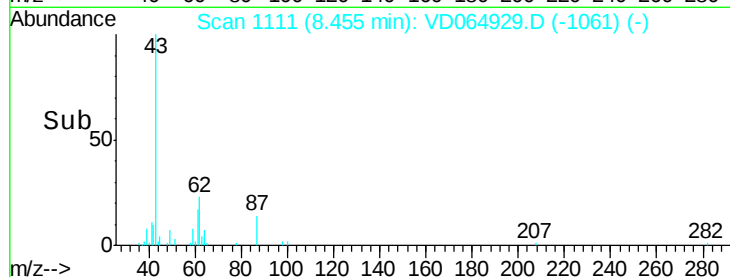
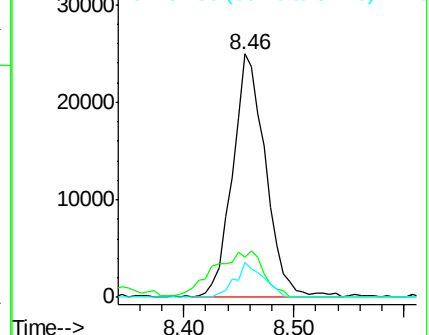
87 12.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.72 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064929.D

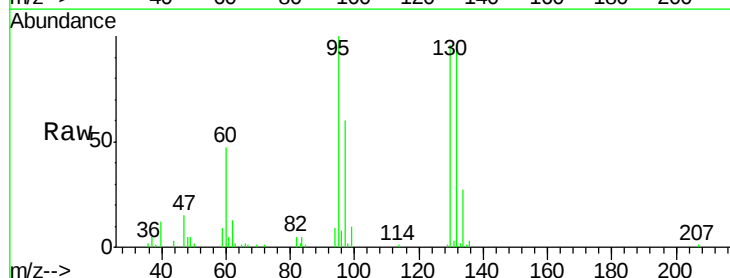
Acq: 23 Jan 2020 11:26

Tgt Ion: 130 Resp: 53102

Ion Ratio Lower Upper

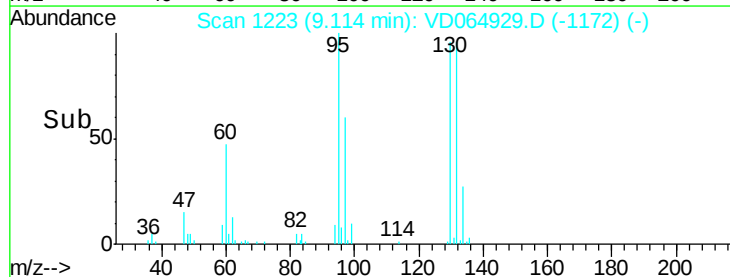
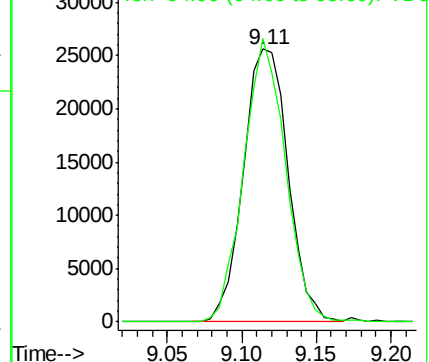
130 100

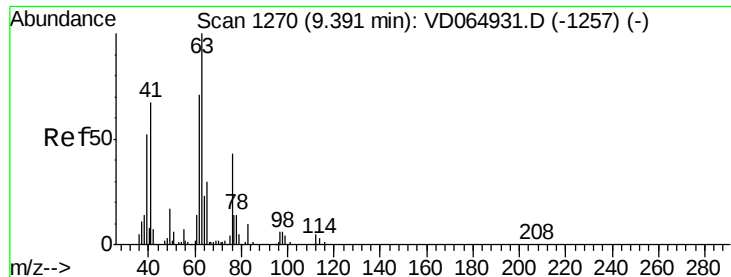
95 103.8 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

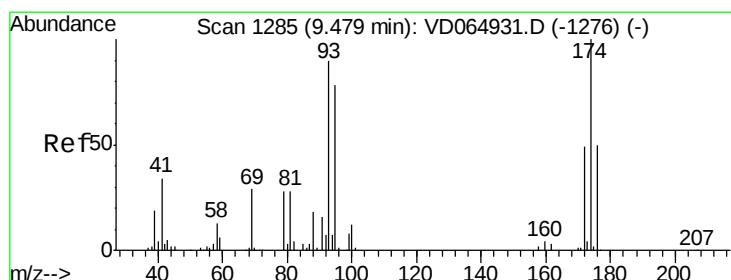
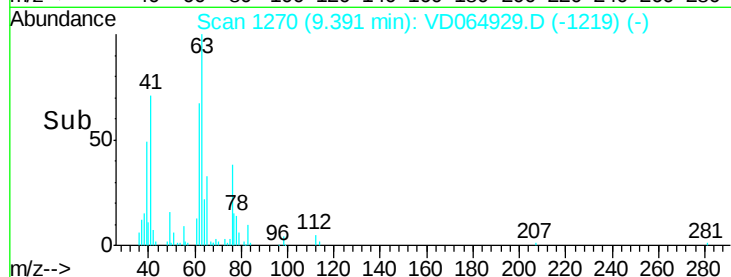
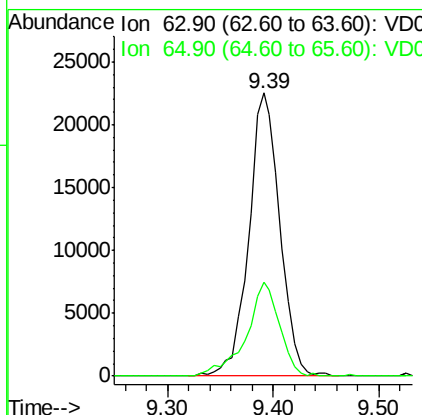
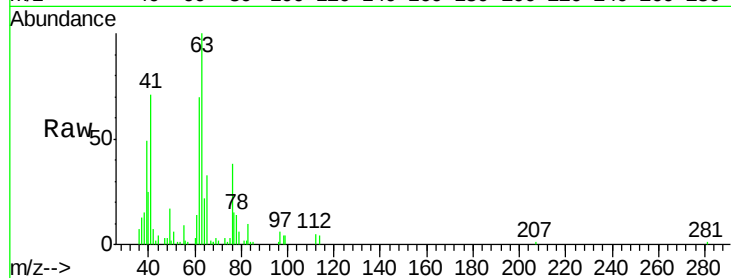




#45
 1,2-Dichloropropane
 Concen: 11.32 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

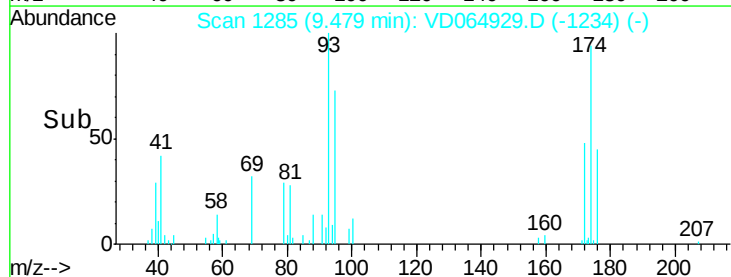
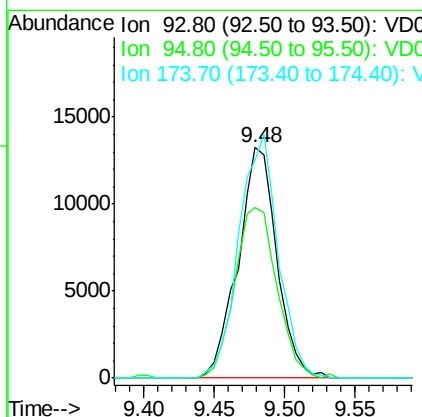
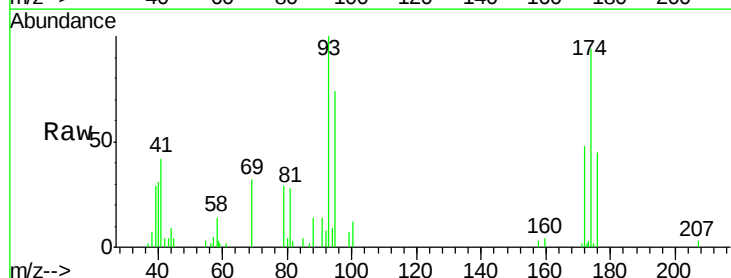
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

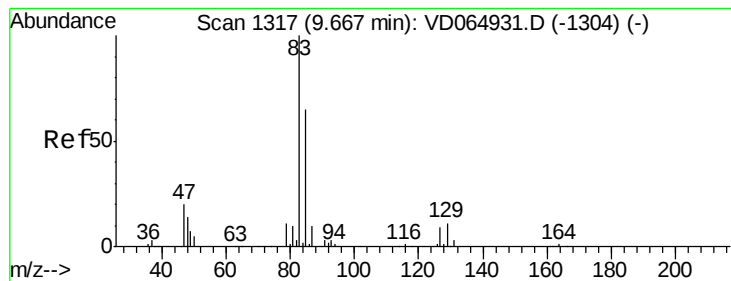
Tgt Ion: 63 Resp: 45981
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.3 36.5



#46
 Dibromomethane
 Concen: 11.35 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 93 Resp: 25503
 Ion Ratio Lower Upper
 93 100
 95 79.9 67.5 101.3
 174 106.8 88.4 132.6





#47

Bromodichloromethane

Concen: 11.04 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

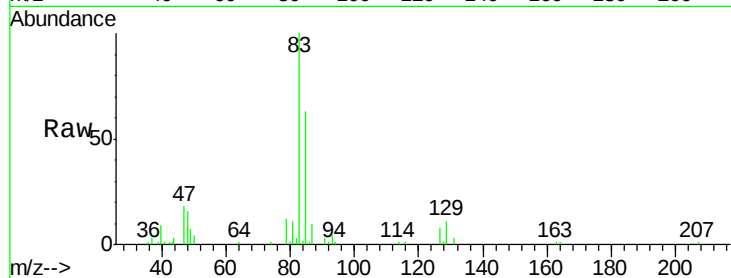
Tgt Ion: 83 Resp: 66106

Ion Ratio Lower Upper

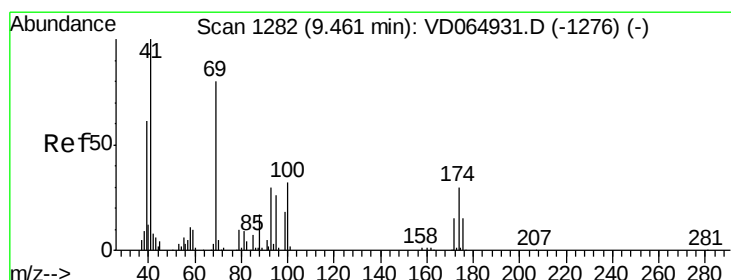
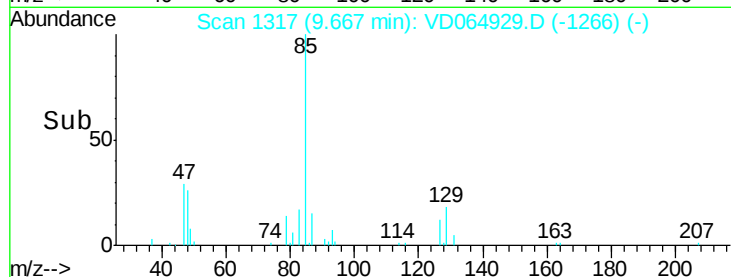
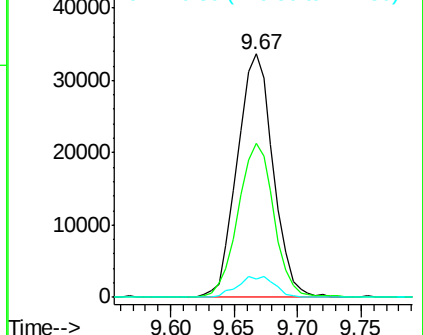
83 100

85 63.4 52.0 78.0

127 7.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 10.03 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

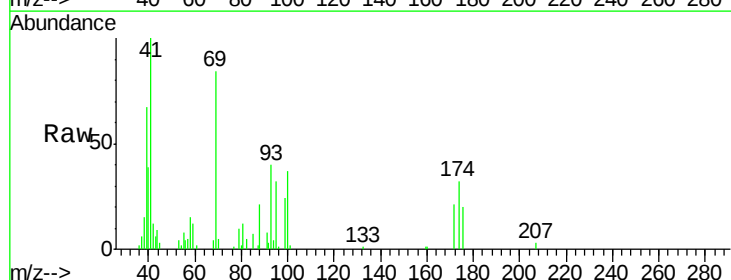
Tgt Ion: 41 Resp: 22755

Ion Ratio Lower Upper

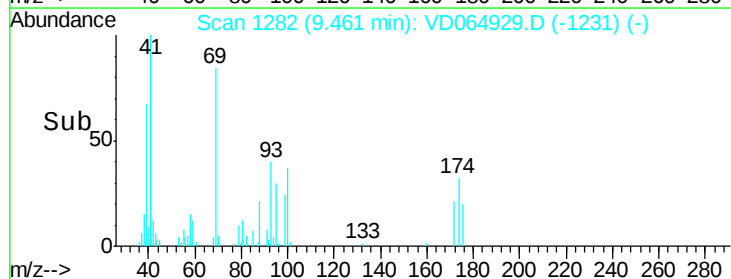
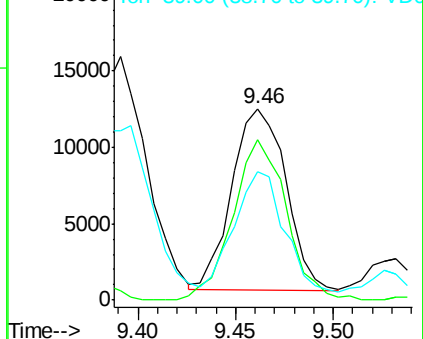
41 100

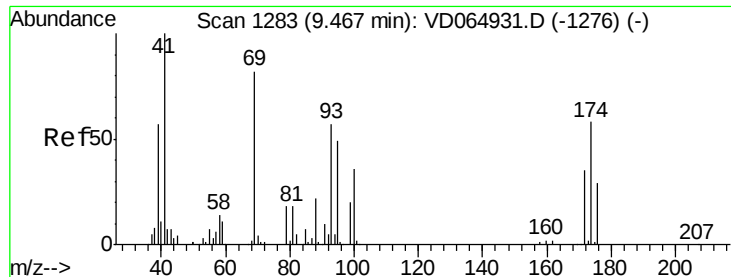
69 87.8 65.8 98.8

39 61.6 49.4 74.0



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

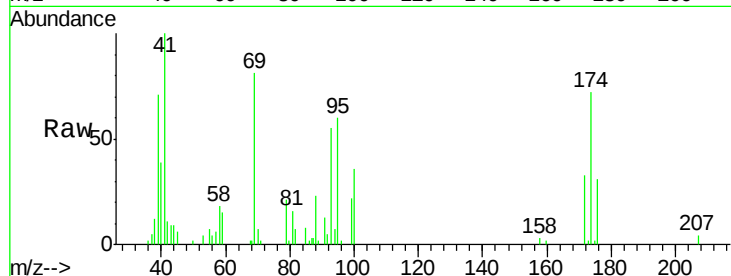




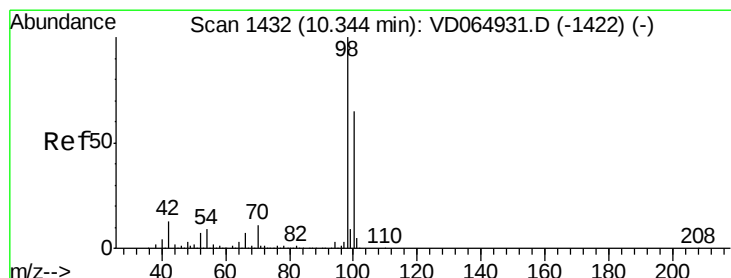
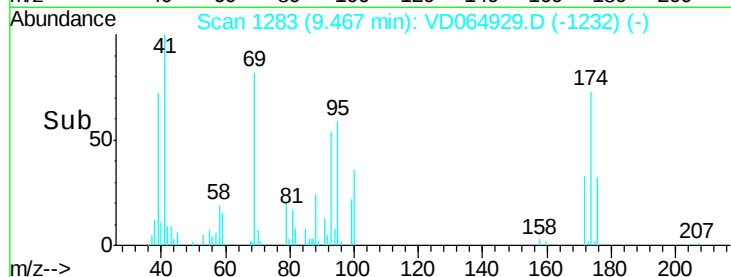
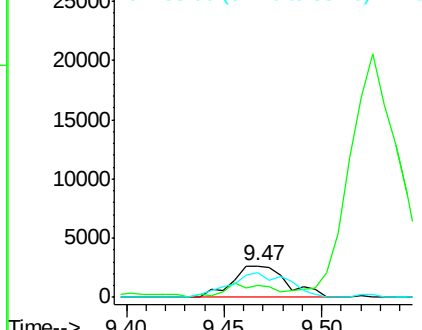
#49
1,4-Dioxane
Concen: 195.31 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 5139
Ion Ratio Lower Upper
88 100
43 40.0 26.2 39.4#
58 83.0 50.3 75.5#

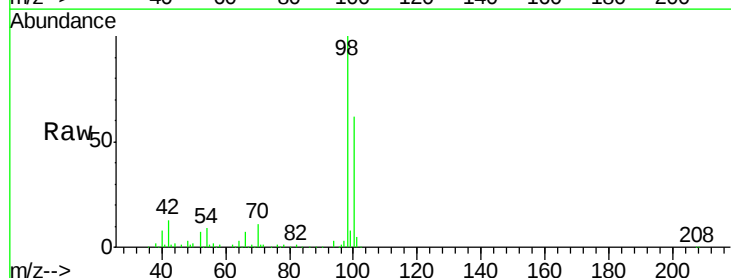


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

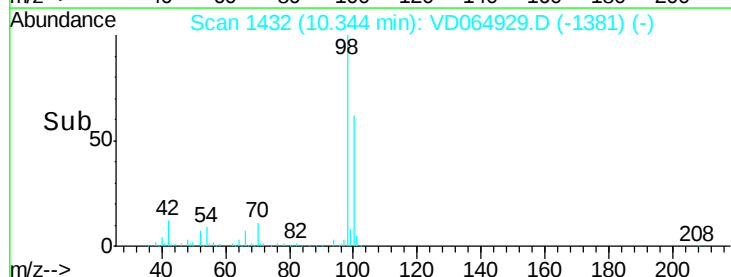
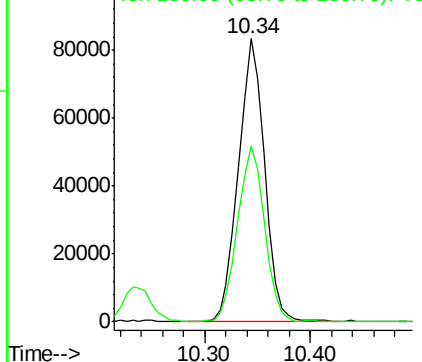


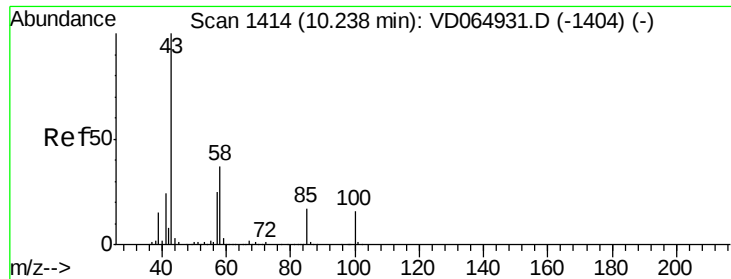
#50
Toluene-d8
Concen: 9.30 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 98 Resp: 143389
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



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

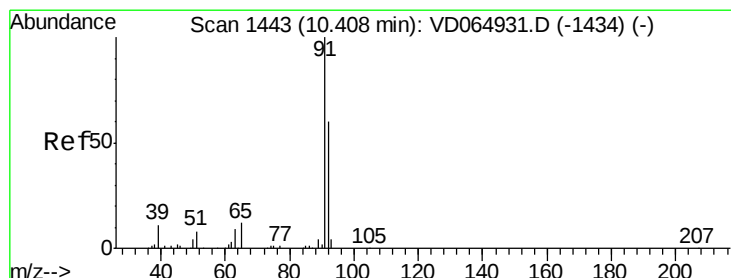
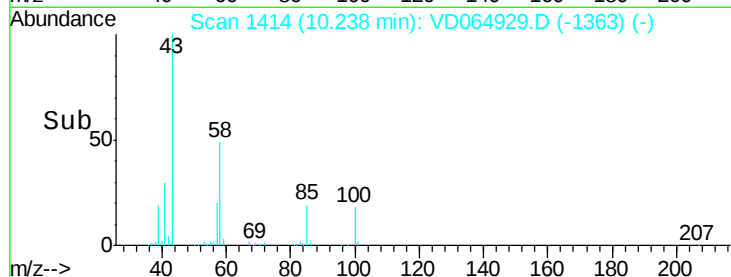
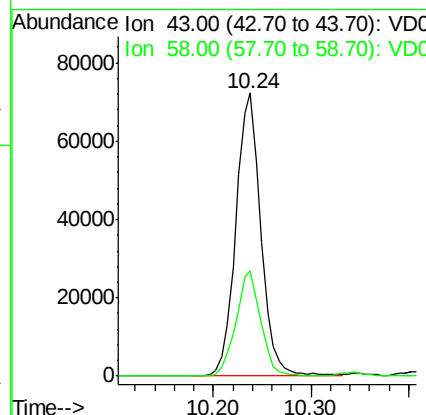
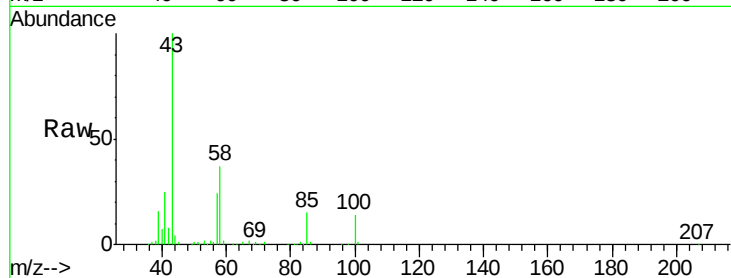




#51
 4-Methyl-2-Pentanone
 Concen: 53.11 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

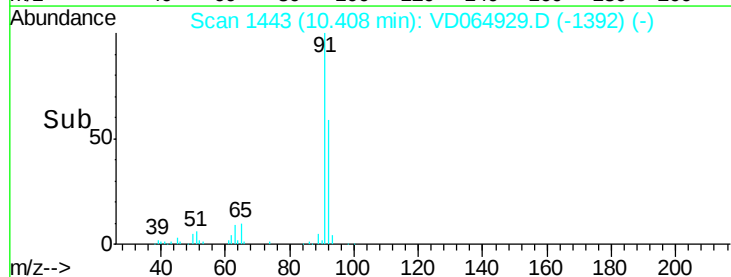
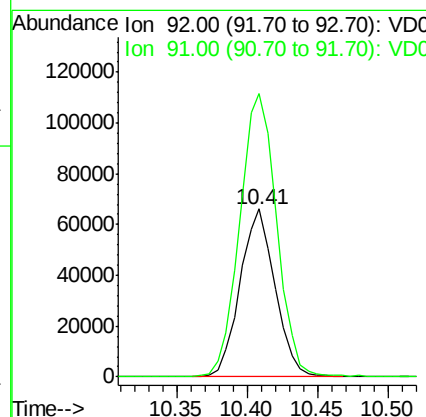
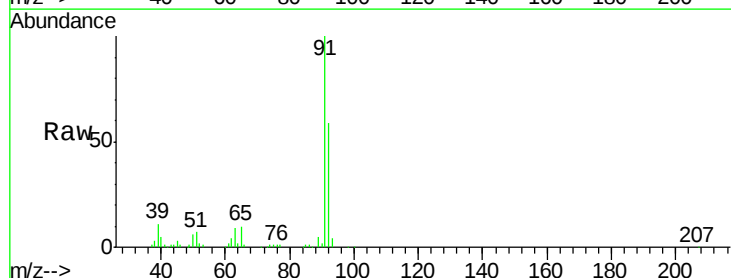
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

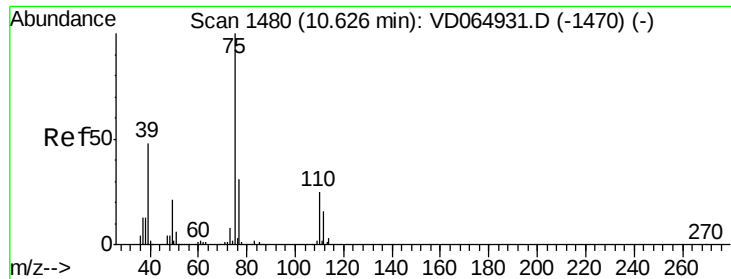
Tgt Ion: 43 Resp: 128155
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.4 45.6



#52
 Toluene
 Concen: 10.31 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 92 Resp: 114728
 Ion Ratio Lower Upper
 92 100
 91 177.5 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 10.25 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

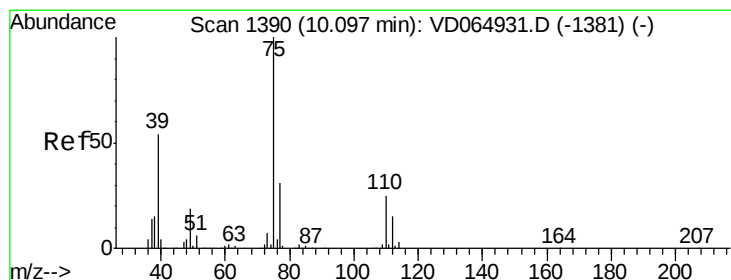
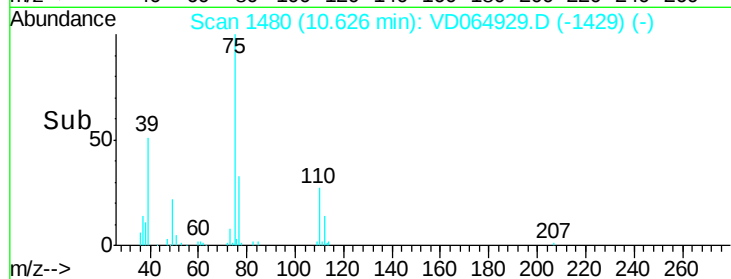
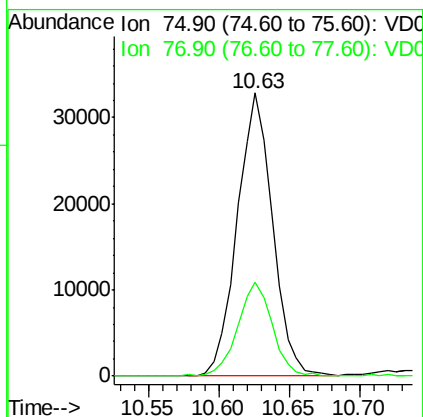
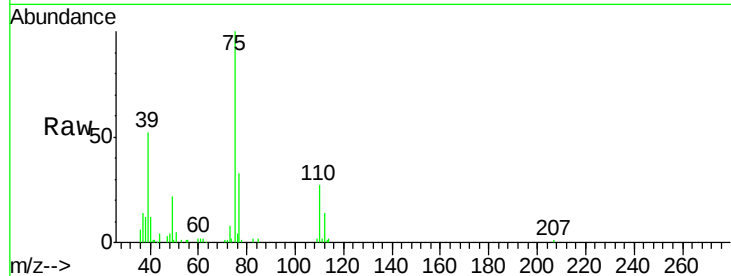
VSTDIC010

Tgt Ion: 75 Resp: 57512

Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 10.55 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

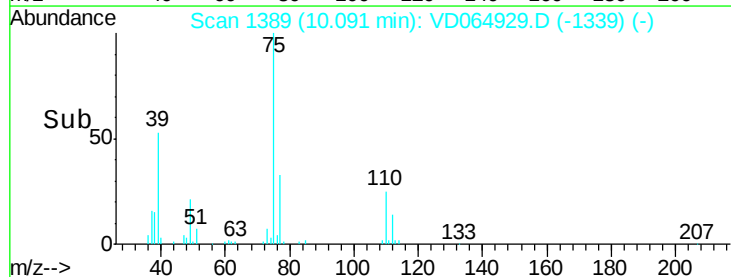
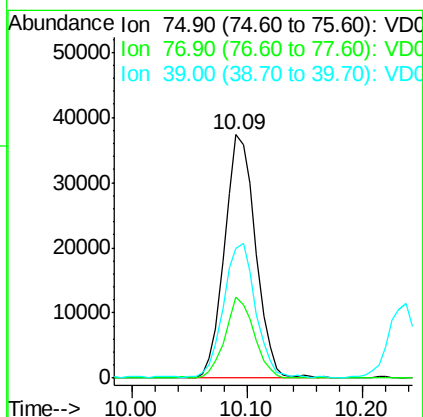
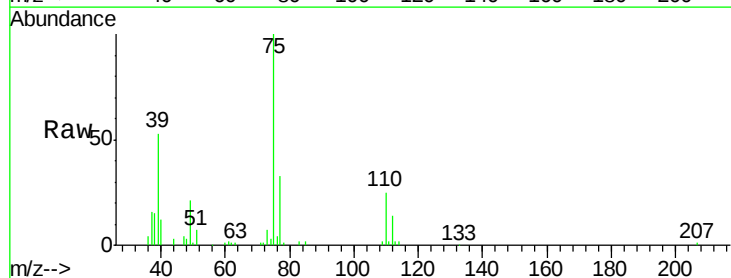
Tgt Ion: 75 Resp: 69615

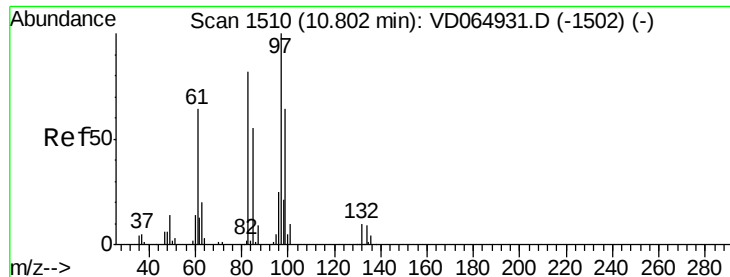
Ion Ratio Lower Upper

75 100

77 33.5 25.1 37.7

39 52.6 43.0 64.6

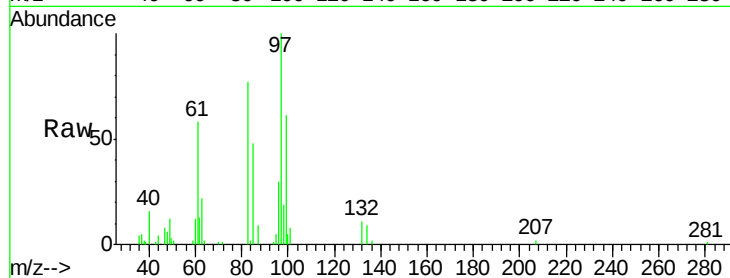




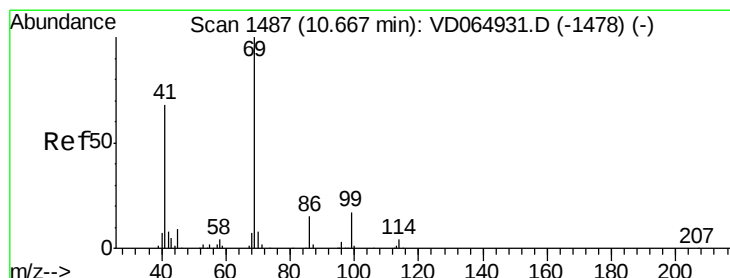
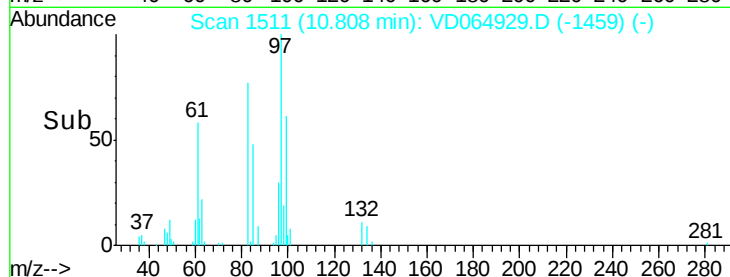
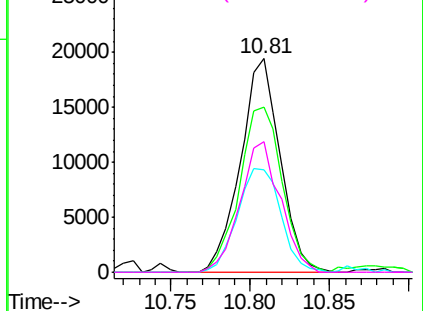
#55
 1,1,2-Trichloroethane
 Concen: 11.12 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	33877
Ion	Ratio	Lower	Upper
97	100		
83	77.2	66.0	99.0
85	47.8	44.4	66.6
99	61.0	51.4	77.0

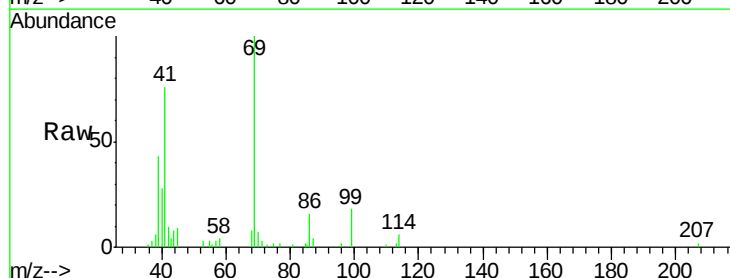


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

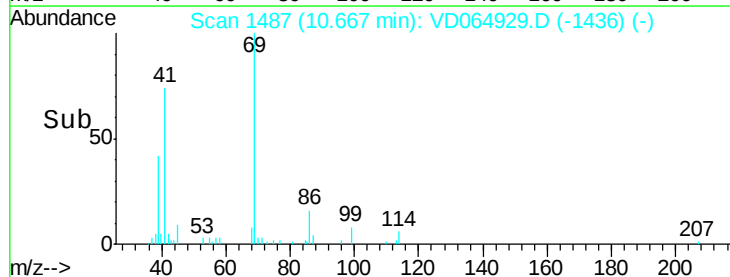
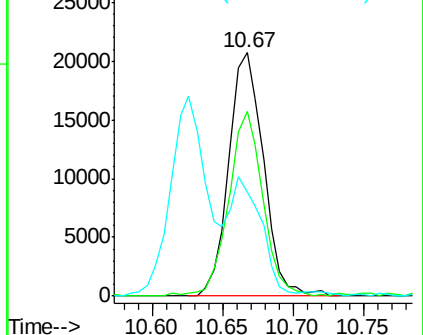


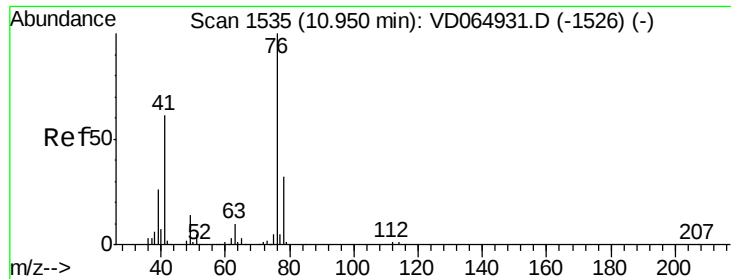
#56
 Ethyl methacrylate
 Concen: 9.36 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion:	69	Resp:	35540
Ion	Ratio	Lower	Upper
69	100		
41	74.6	56.4	84.6
39	41.8	30.6	46.0



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

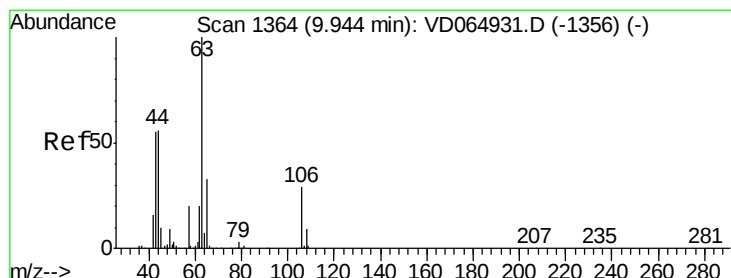
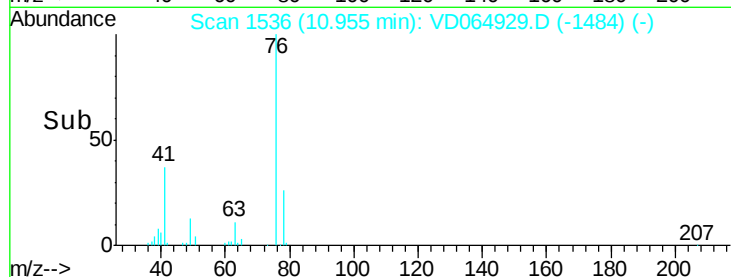
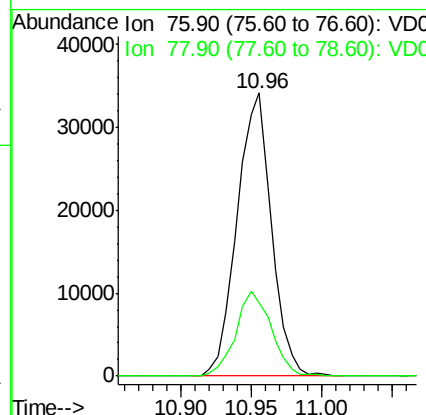
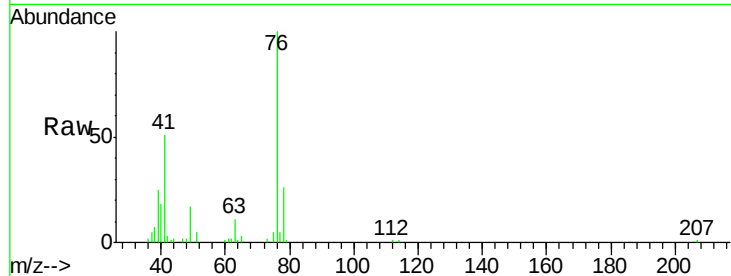




#57
 1,3-Dichloropropane
 Concen: 11.06 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

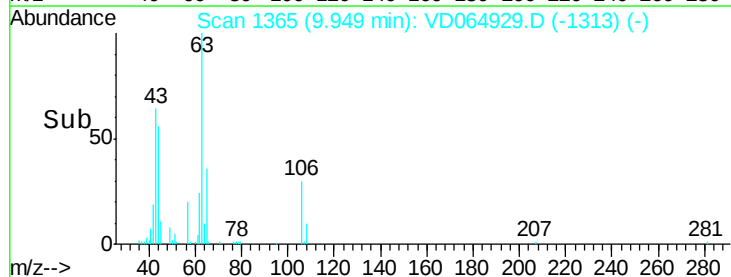
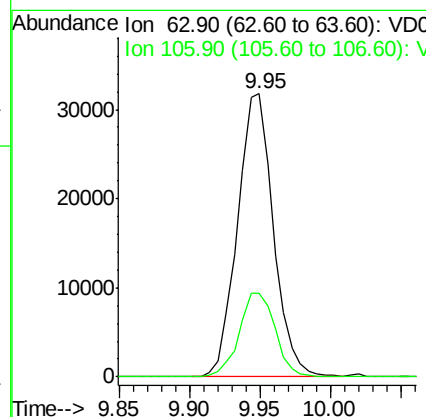
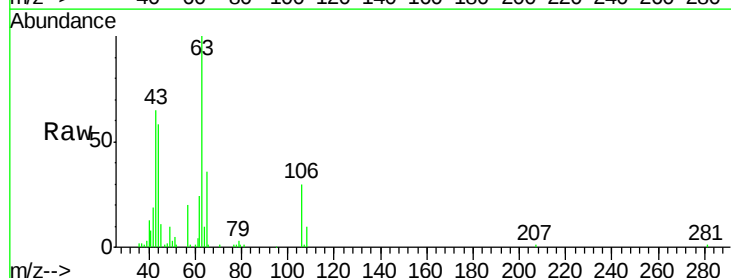
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

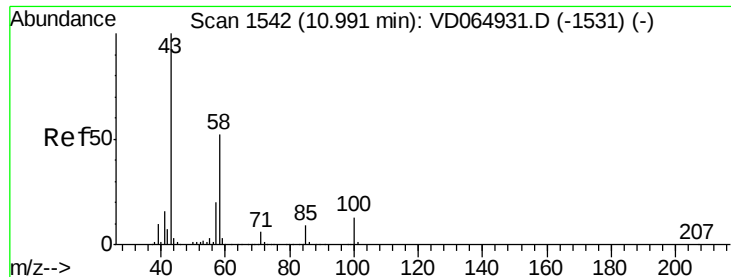
Tgt Ion: 76 Resp: 58048
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 40.13 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 63 Resp: 56438
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.0 34.4

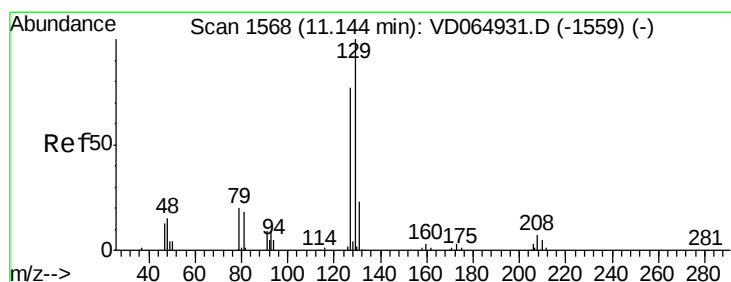
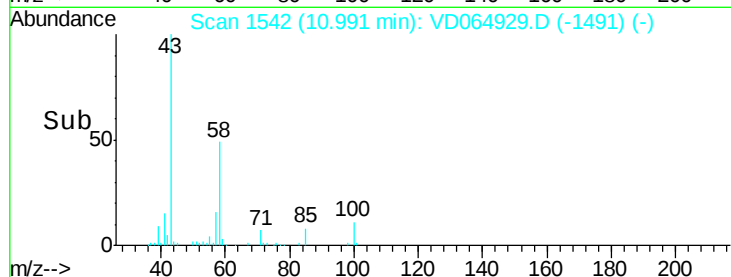
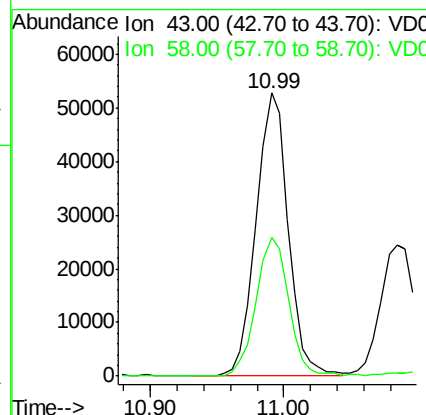
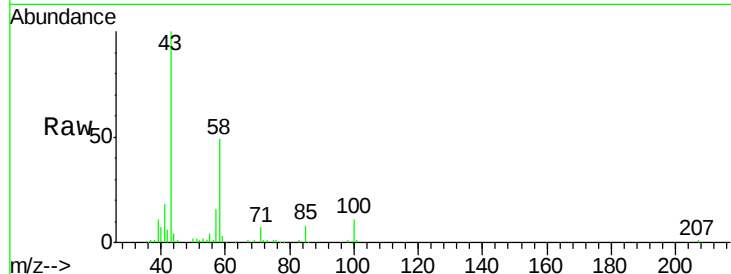




#59
2-Hexanone
Concen: 53.32 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

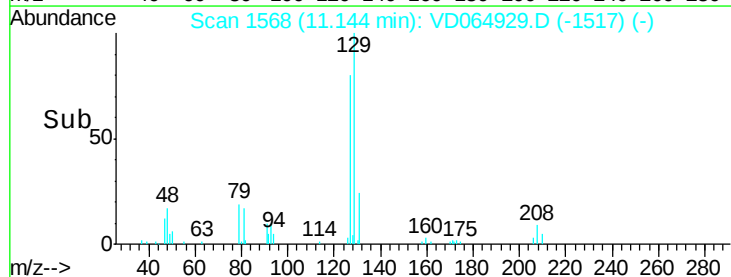
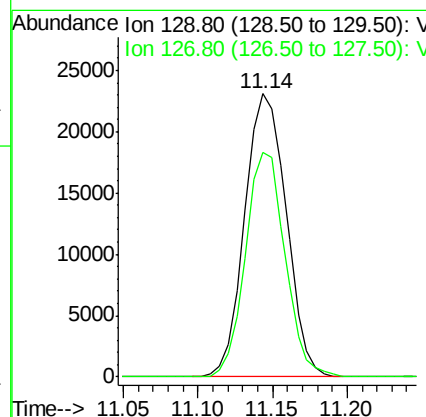
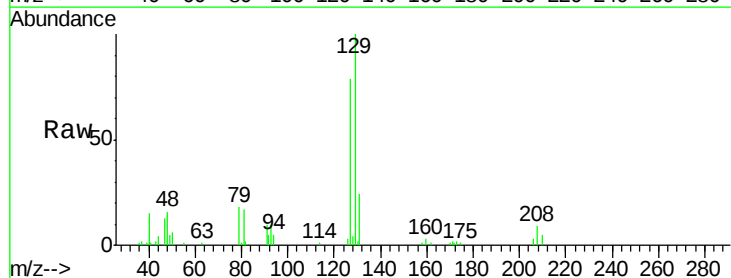
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

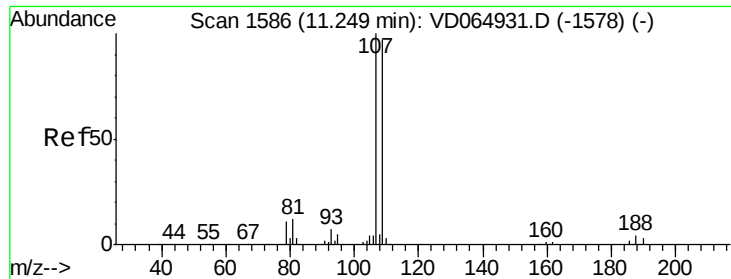
Tgt Ion: 43 Resp: 87539
Ion Ratio Lower Upper
43 100
58 49.6 26.5 79.4



#60
Dibromochloromethane
Concen: 10.64 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 129 Resp: 44532
Ion Ratio Lower Upper
129 100
127 75.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 10.67 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

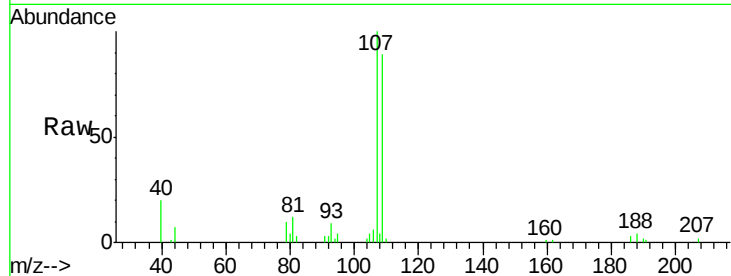
VSTDIC010

Tgt Ion: 107 Resp: 31885

Ion Ratio Lower Upper

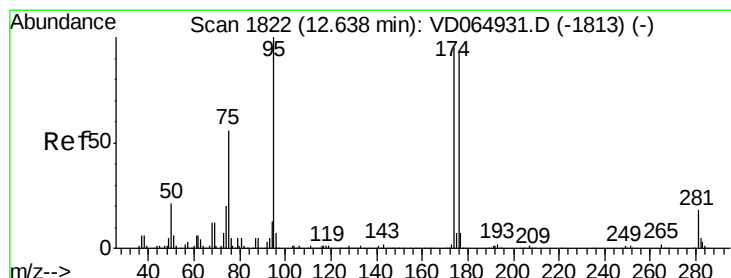
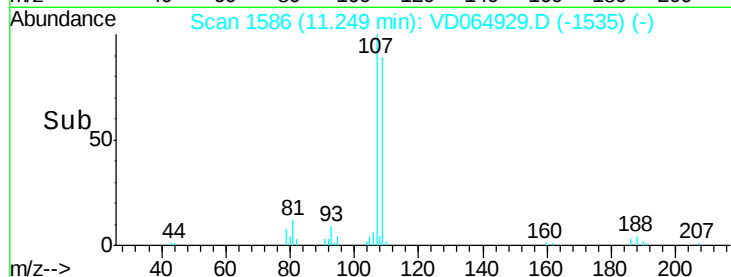
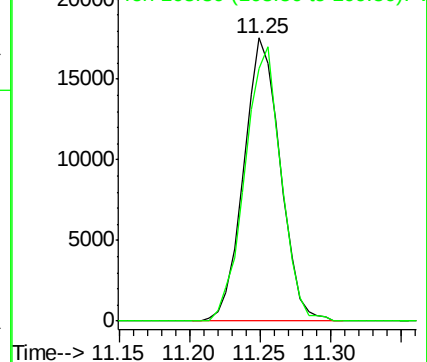
107 100

109 96.1 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.31 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

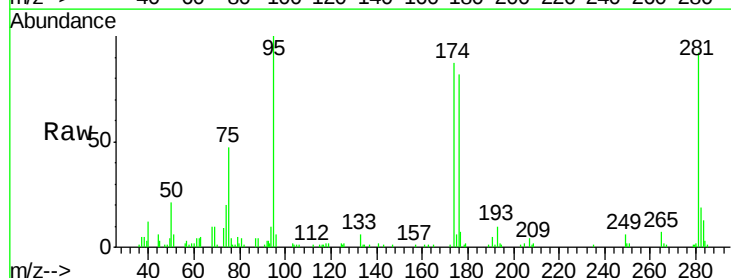
Tgt Ion: 95 Resp: 44866

Ion Ratio Lower Upper

95 100

174 90.2 0.0 186.8

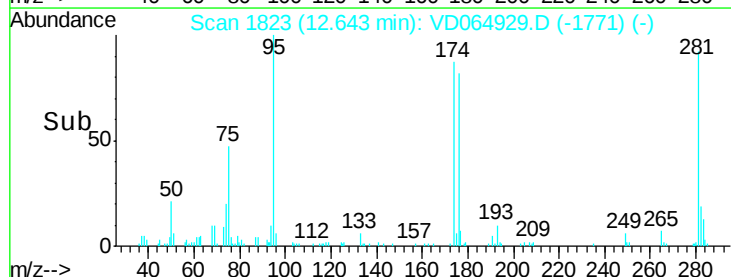
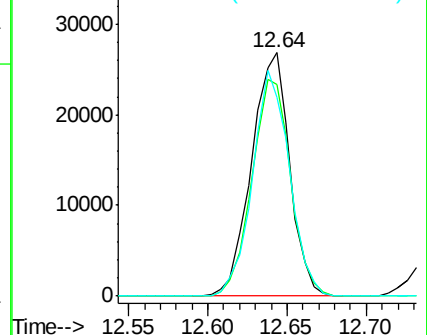
176 89.5 0.0 183.4

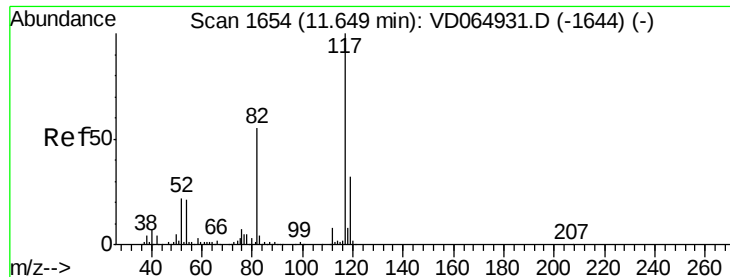


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

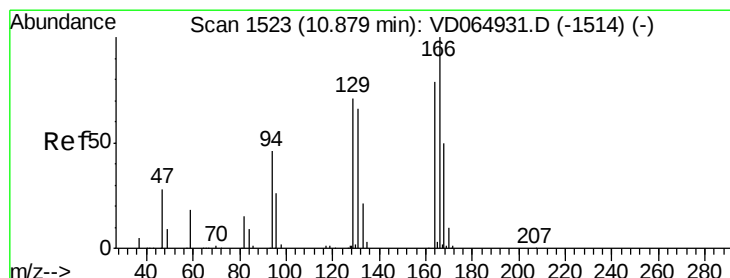
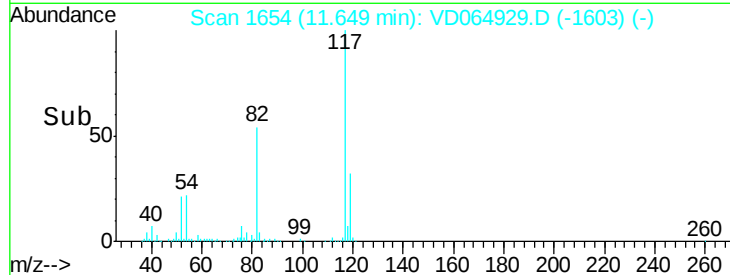
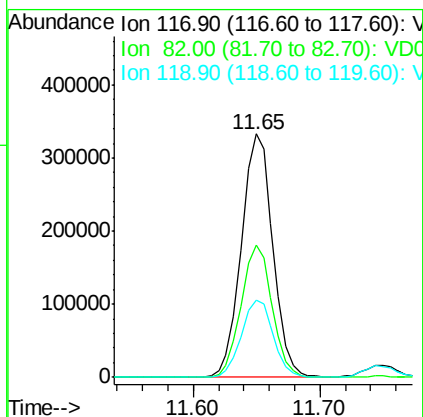
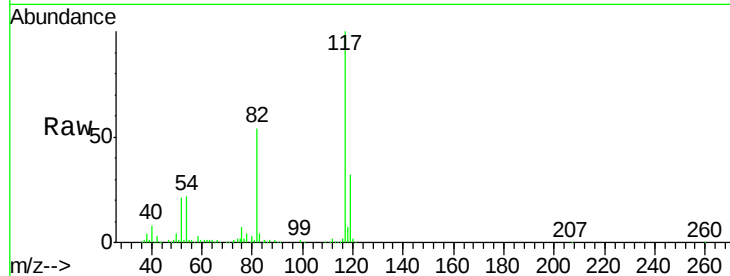




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

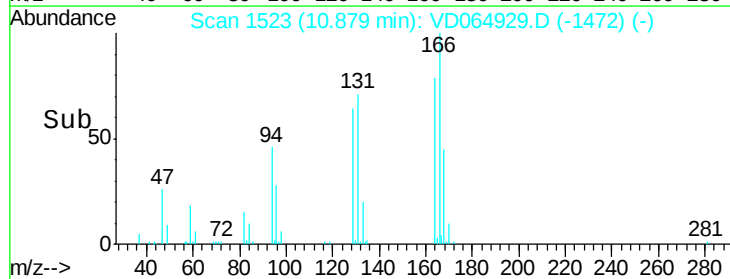
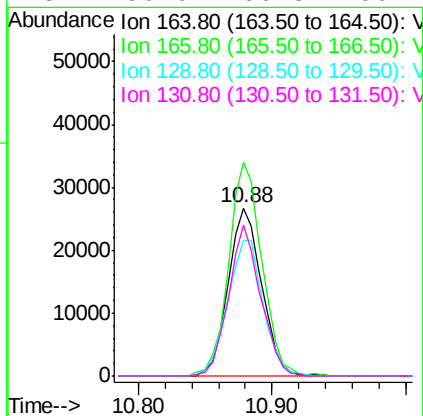
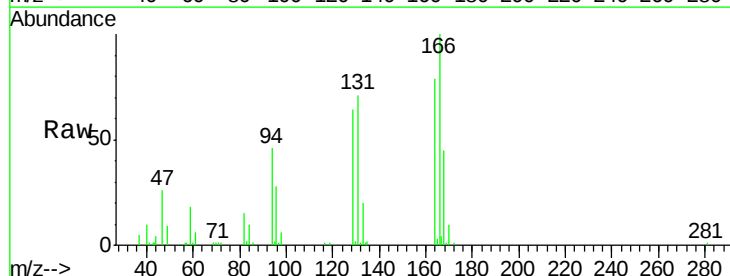
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

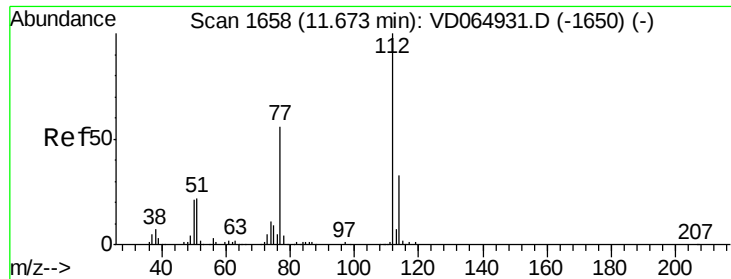
Tgt Ion:117 Resp: 573696
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.6 25.2 37.8



#64
Tetrachloroethene
Concen: 10.72 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion:164 Resp: 46682
Ion Ratio Lower Upper
164 100
166 127.4 101.4 152.2
129 81.3 71.8 107.8
131 90.0 66.8 100.2

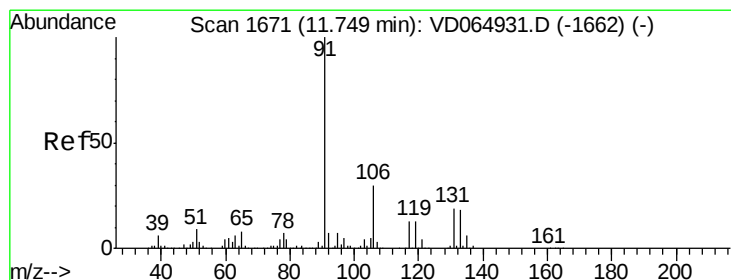
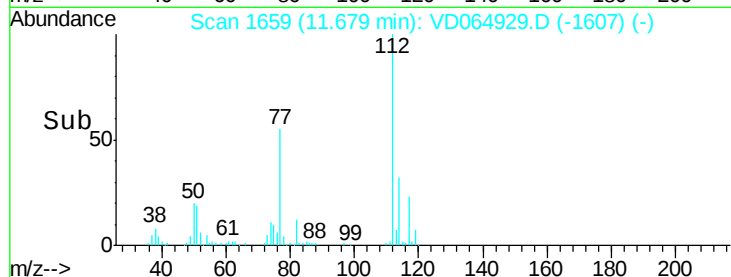
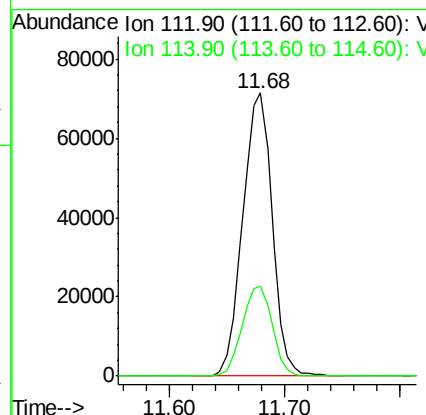
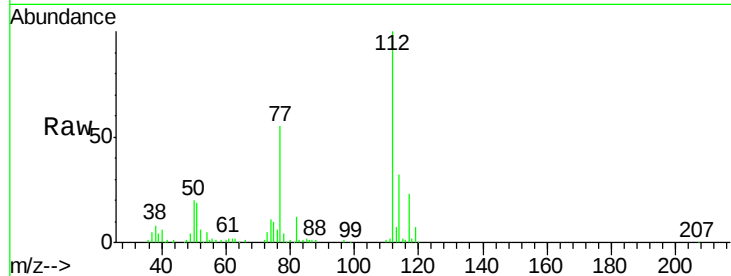




#65
Chlorobenzene
Concen: 10.79 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

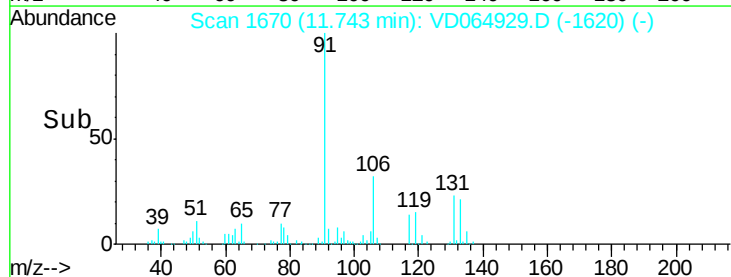
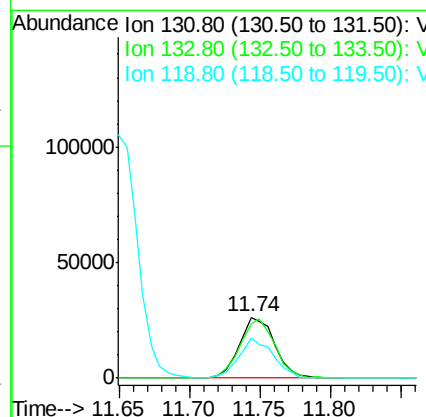
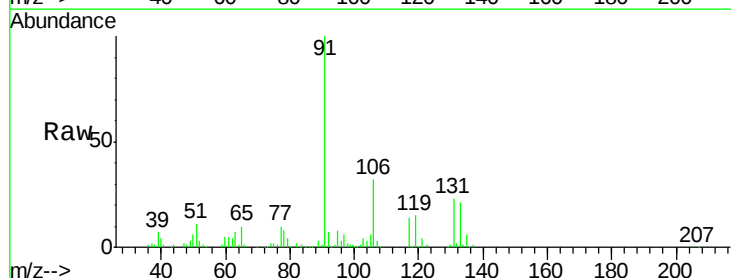
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

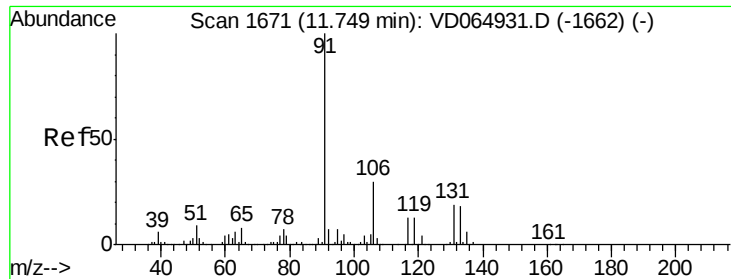
Tgt Ion:112 Resp: 126640
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 10.41 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion:131 Resp: 46306
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.5
119 64.3 31.1 93.5





#67

Ethyl Benzene

Concen: 10.11 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

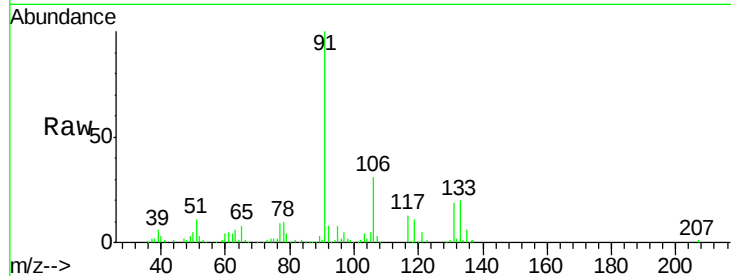
VSTDIC010

Tgt Ion: 91 Resp: 216581

Ion Ratio Lower Upper

91 100

106 31.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

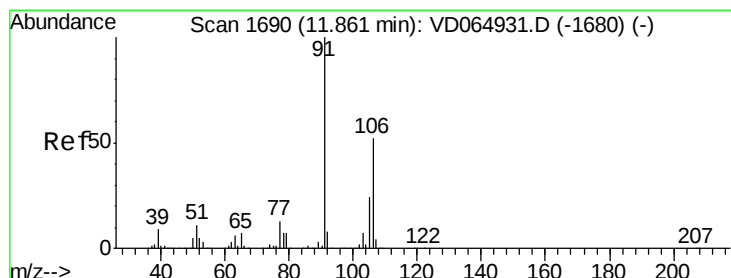
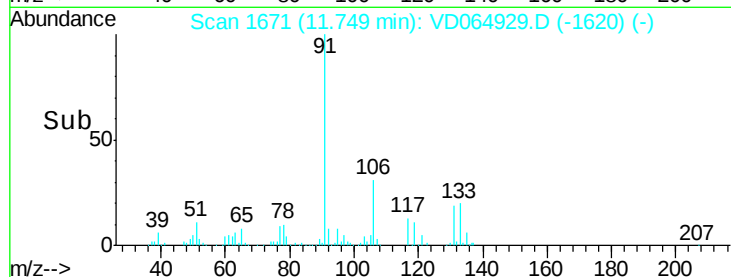
50000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 19.95 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD064929.D

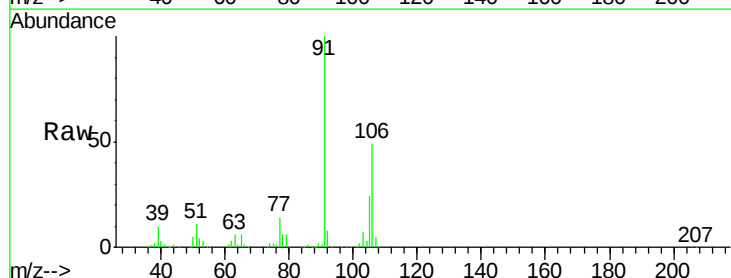
Acq: 23 Jan 2020 11:26

Tgt Ion: 106 Resp: 164552

Ion Ratio Lower Upper

106 100

91 203.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

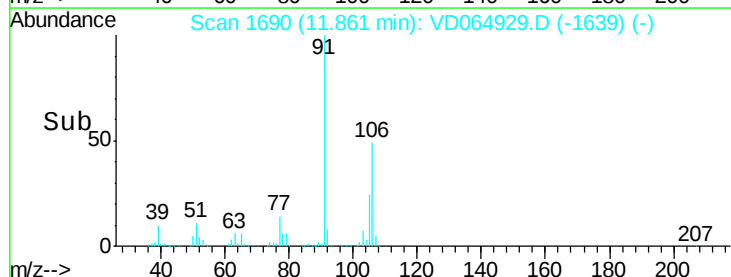
50000

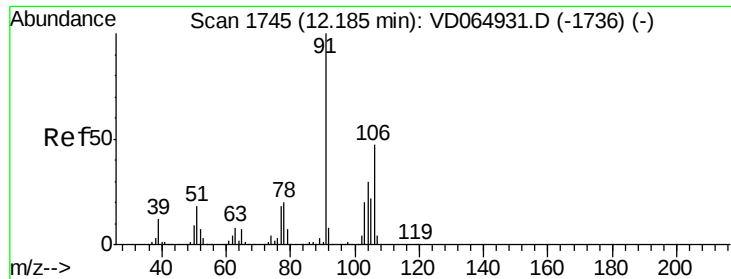
0

11.80

11.90

Time-->

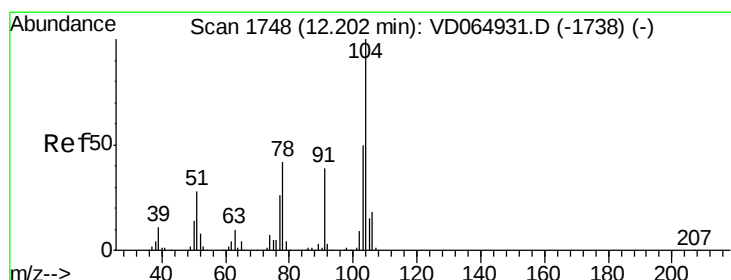
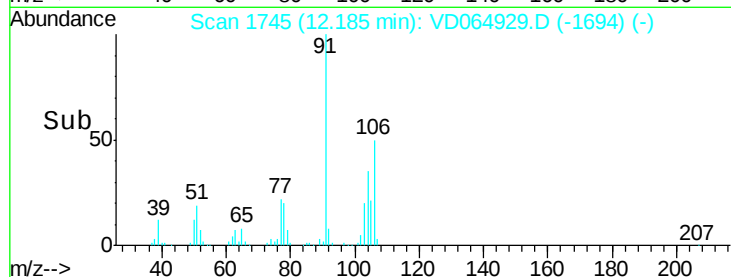
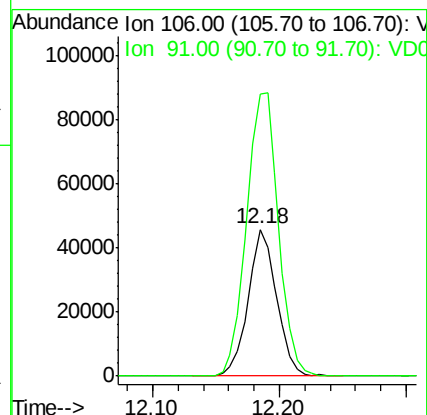
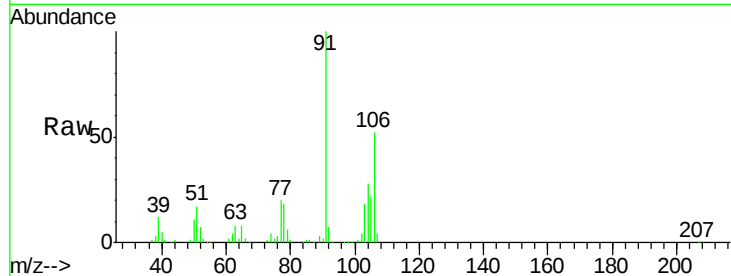




#69
o-Xylene
Concen: 9.61 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

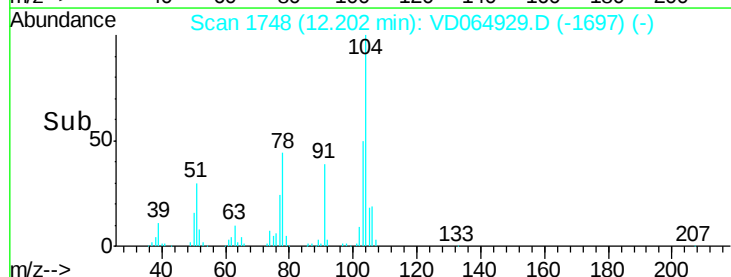
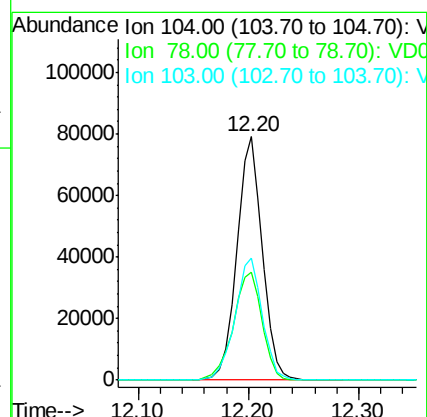
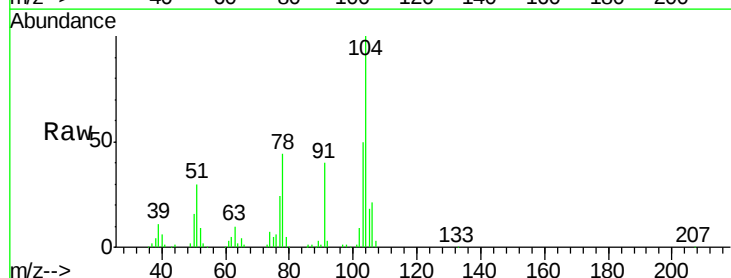
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

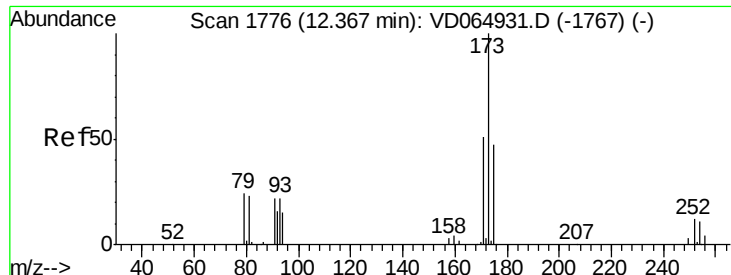
Tgt Ion:106 Resp: 71467
Ion Ratio Lower Upper
106 100
91 216.4 106.7 319.9



#70
Styrene
Concen: 9.72 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion:104 Resp: 127589
Ion Ratio Lower Upper
104 100
78 50.1 38.3 57.5
103 54.2 43.5 65.3

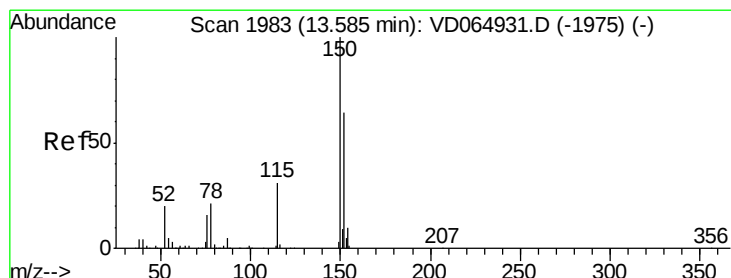
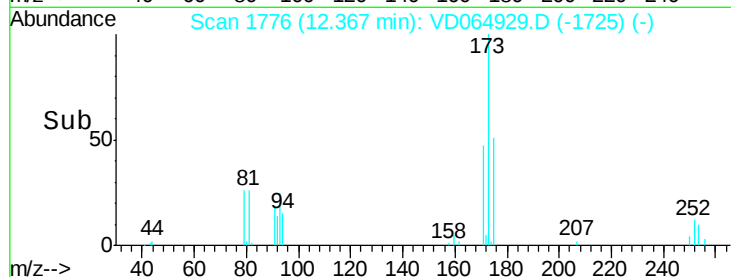
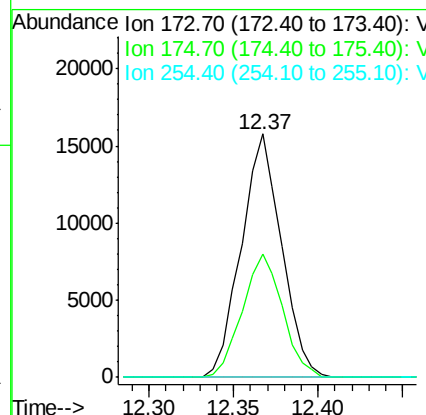
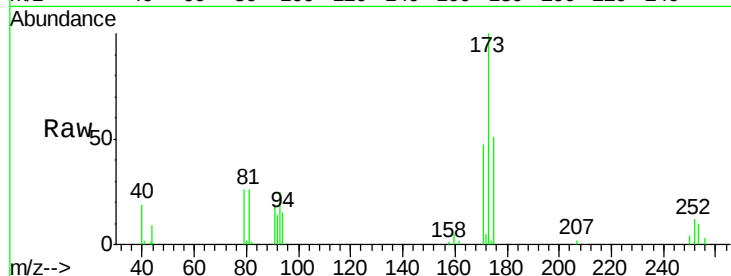




#71
Bromoform
Concen: 10.39 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

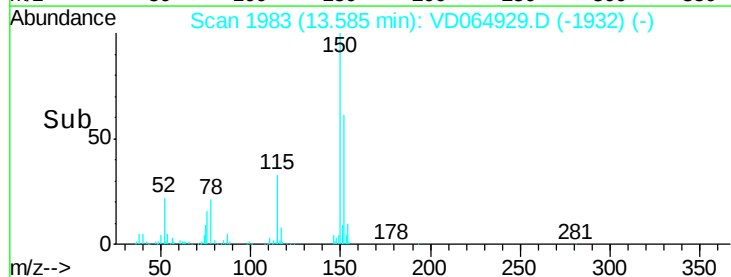
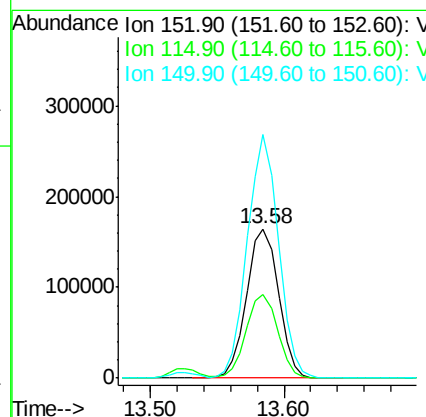
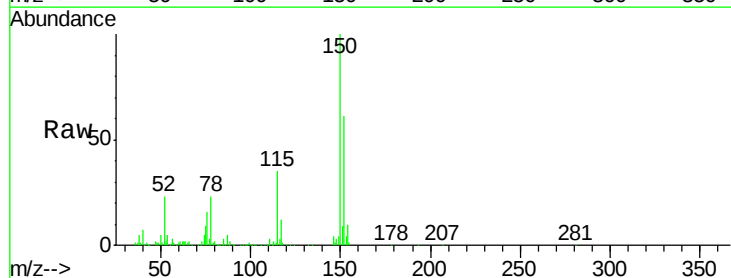
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

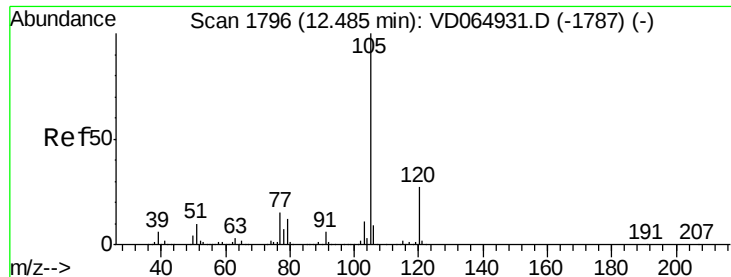
Tgt Ion:173 Resp: 26197
Ion Ratio Lower Upper
173 100
175 50.7 24.6 73.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion:152 Resp: 271527
Ion Ratio Lower Upper
152 100
115 55.8 28.1 84.4
150 159.2 0.0 350.4





#73

Isopropylbenzene

Concen: 10.35 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

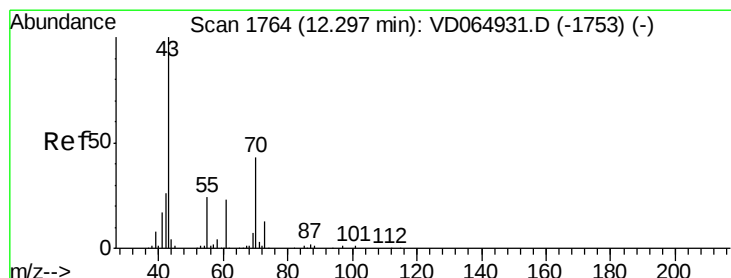
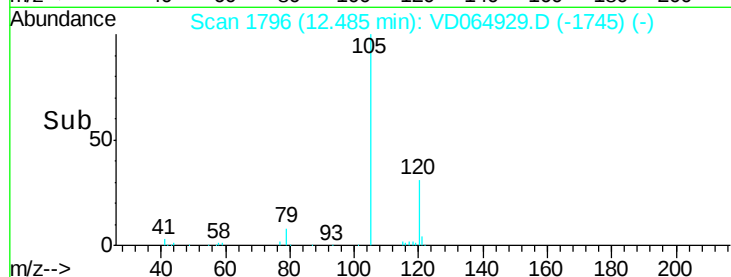
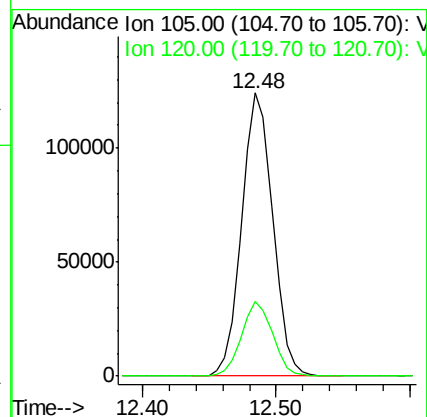
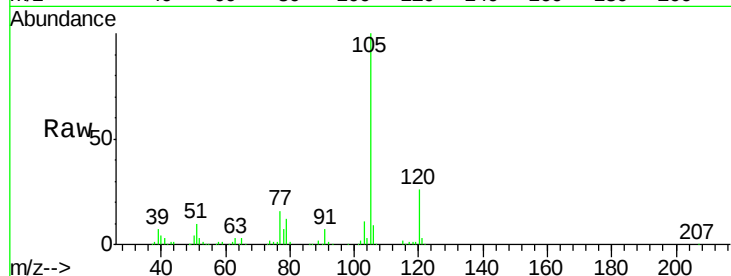
VSTDIC010

Tgt Ion: 105 Resp: 199285

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 10.56 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Tgt Ion: 43 Resp: 43572

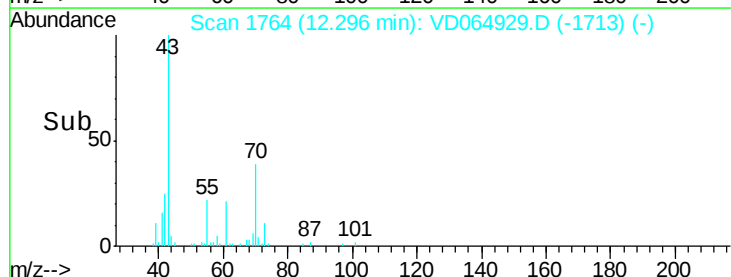
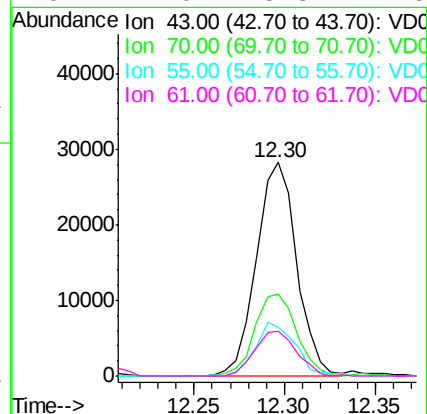
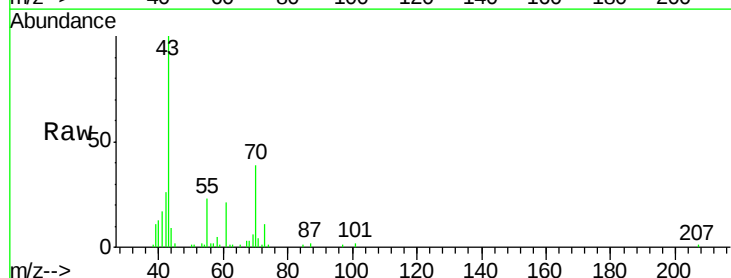
Ion Ratio Lower Upper

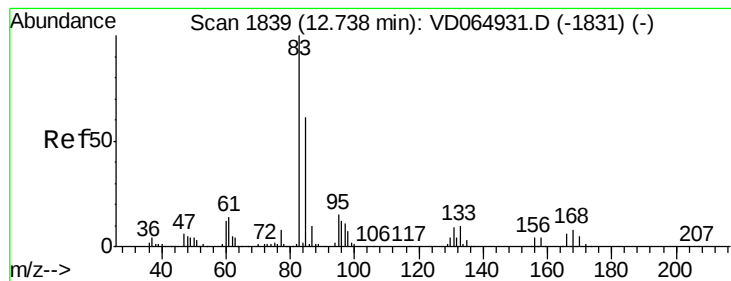
43 100

70 39.9 32.6 49.0

55 25.0 19.9 29.9

61 22.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 11.88 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

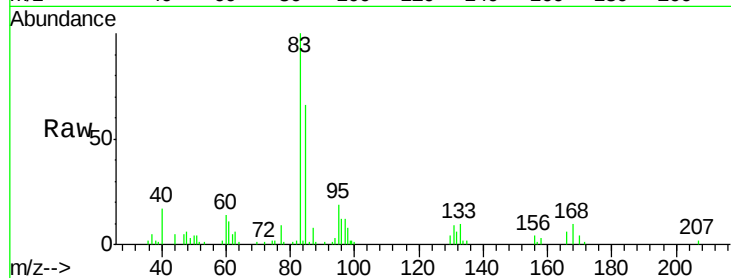
Tgt Ion: 83 Resp: 36144

Ion Ratio Lower Upper

83 100

131 10.1 5.5 16.4

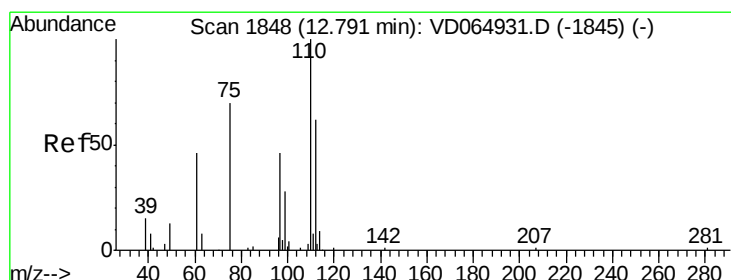
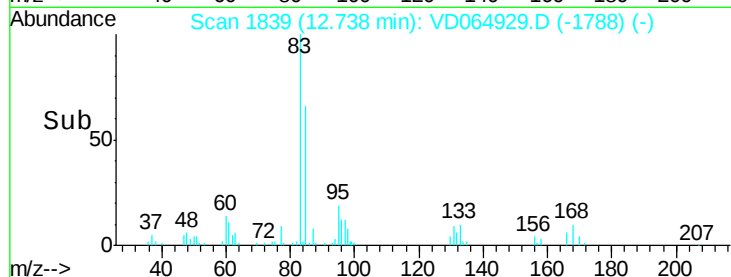
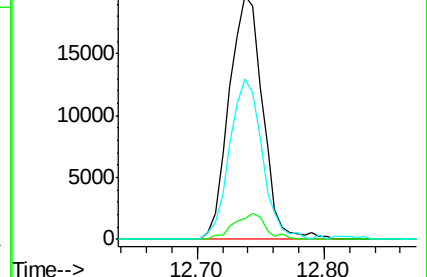
85 63.9 31.6 94.7



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: 21.04 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064929.D

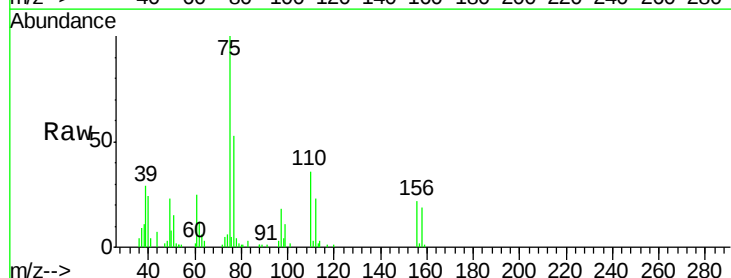
Acq: 23 Jan 2020 11:26

Tgt Ion: 75 Resp: 46996

Ion Ratio Lower Upper

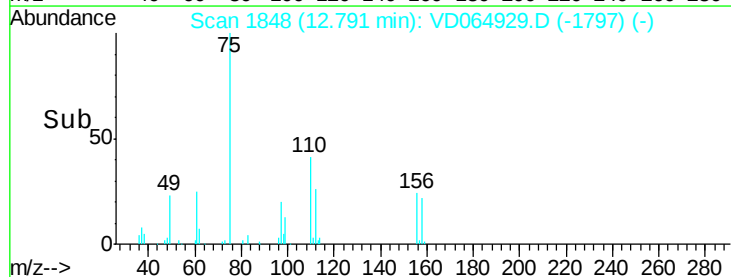
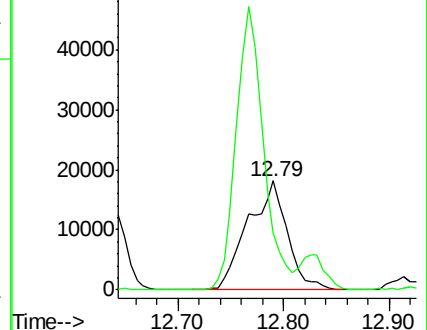
75 100

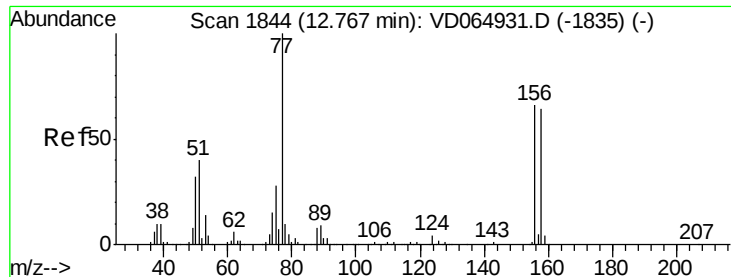
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.63 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

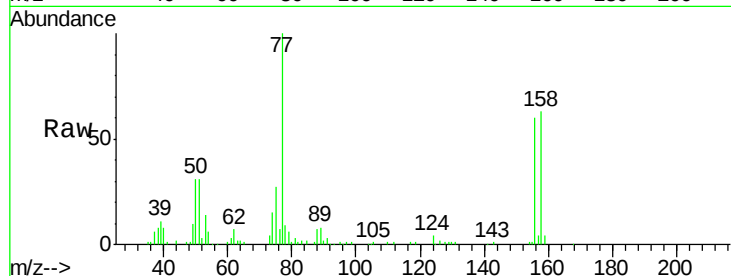
Tgt Ion:156 Resp: 50163

Ion Ratio Lower Upper

156 100

77 168.6 84.2 252.5

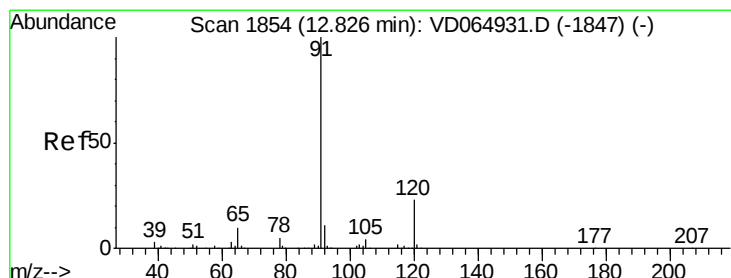
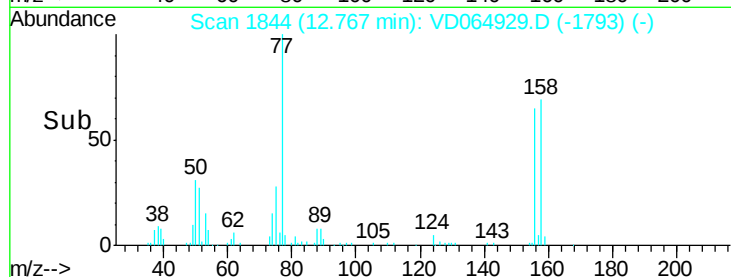
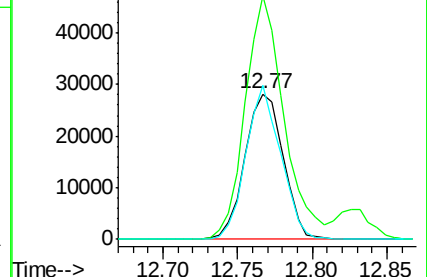
158 95.4 48.1 144.4



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: 10.57 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064929.D

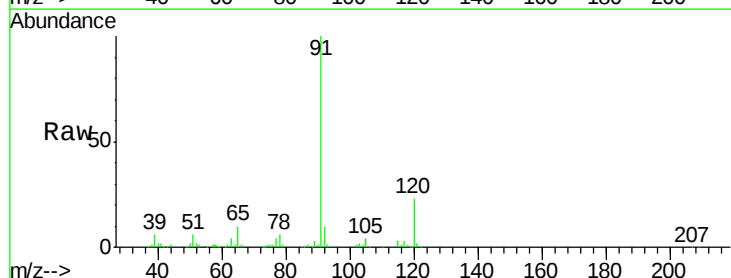
Acq: 23 Jan 2020 11:26

Tgt Ion: 91 Resp: 238091

Ion Ratio Lower Upper

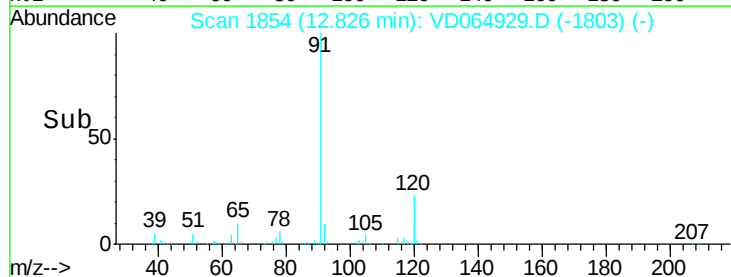
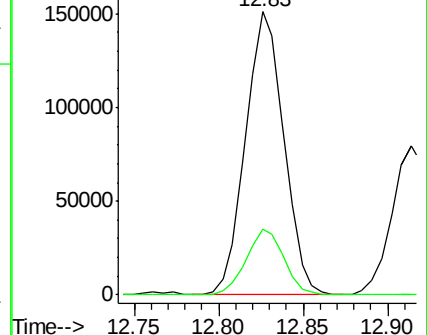
91 100

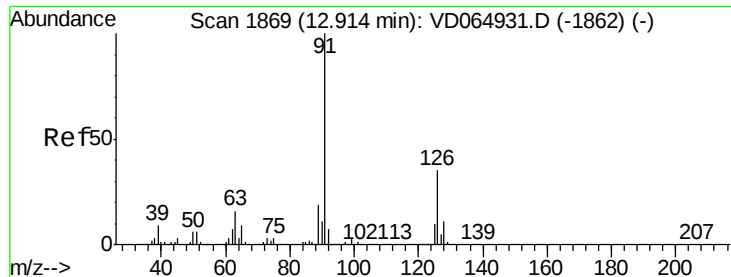
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

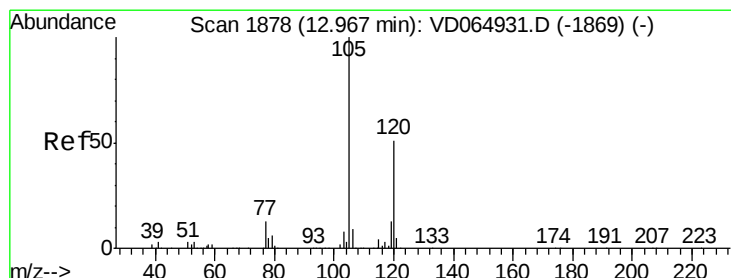
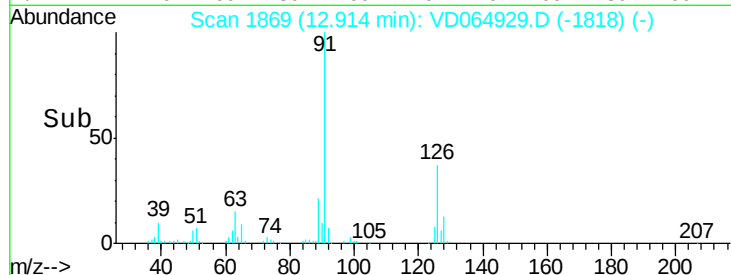
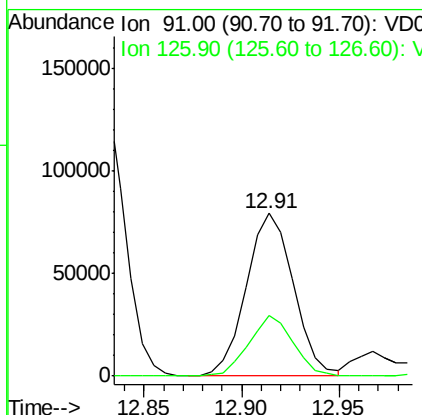
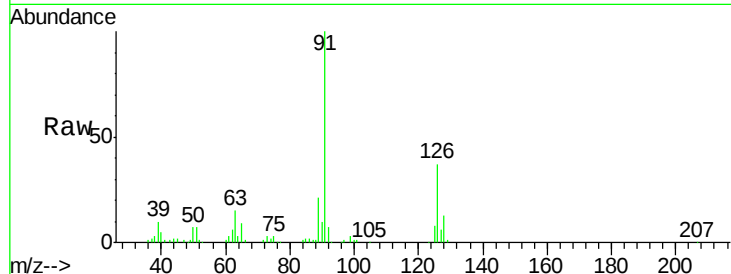




#79
 2-Chlorotoluene
 Concen: 10.74 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

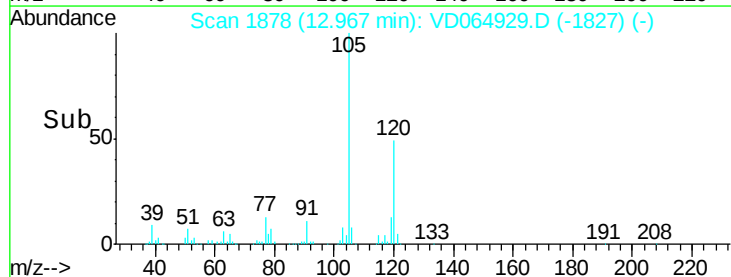
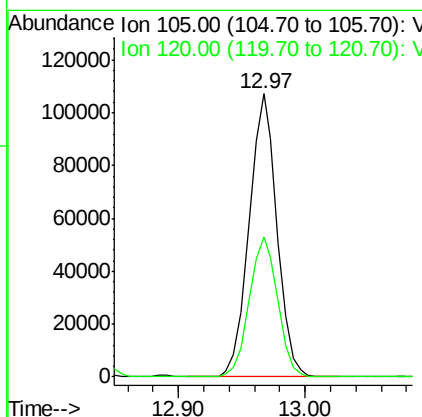
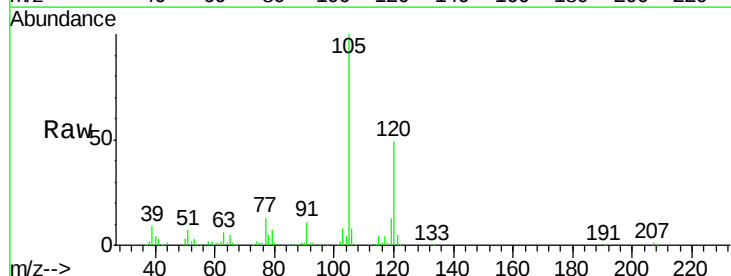
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

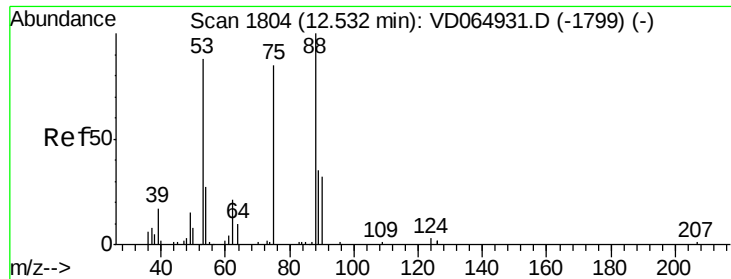
Tgt Ion: 91 Resp: 132886
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 10.36 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion: 105 Resp: 163423
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.6 76.8

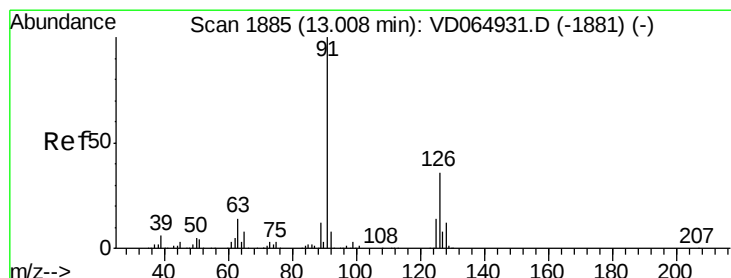
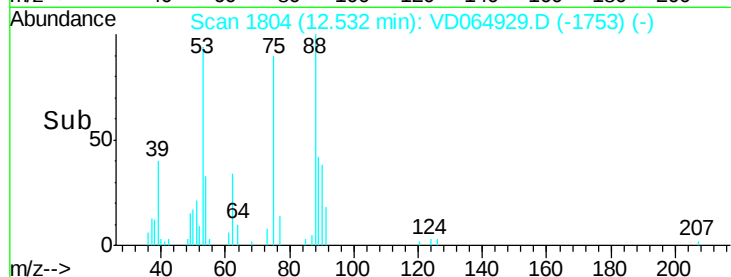
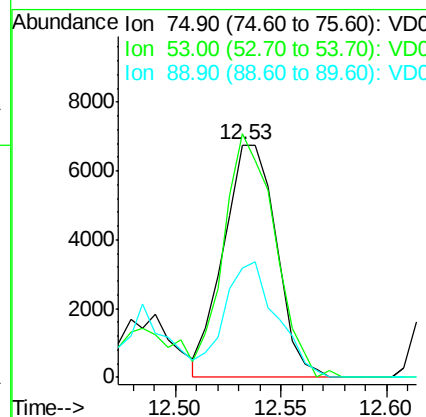
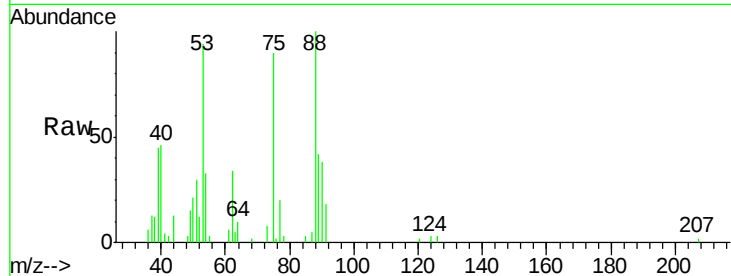




#81
trans-1,4-Dichloro-2-butene
Concen: 11.42 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

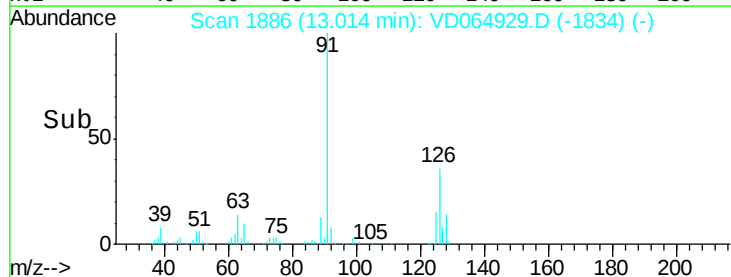
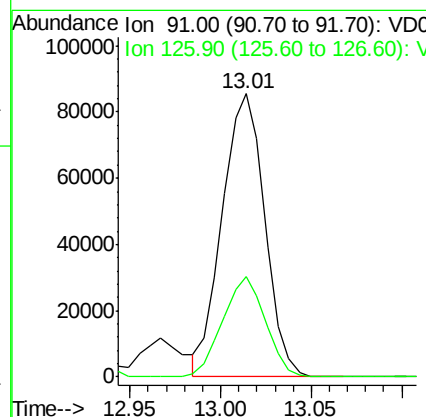
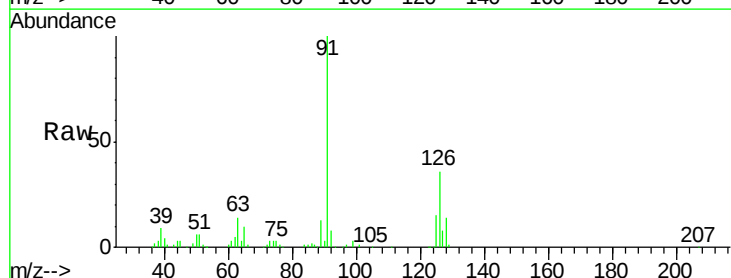
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

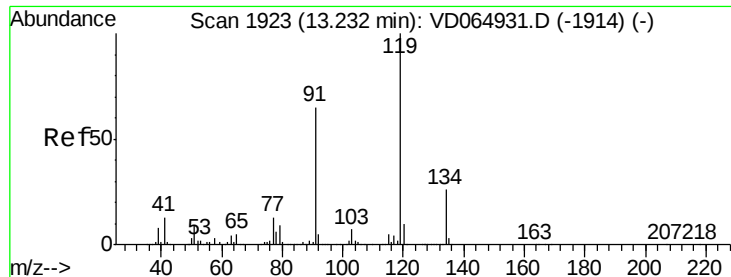
Tgt Ion: 75 Resp: 11742
Ion Ratio Lower Upper
75 100
53 101.0 81.0 121.4
89 49.7 36.2 54.4



#82
4-Chlorotoluene
Concen: 10.59 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064929.D
Acq: 23 Jan 2020 11:26

Tgt Ion: 91 Resp: 139125
Ion Ratio Lower Upper
91 100
126 35.7 18.0 54.0

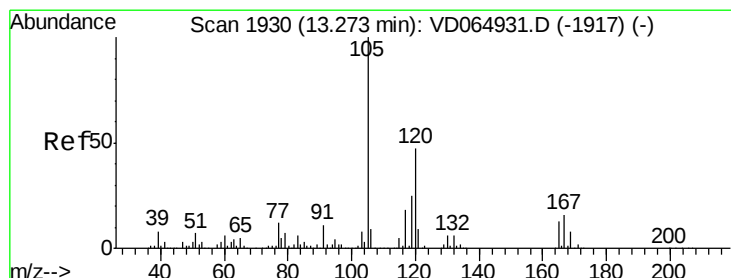
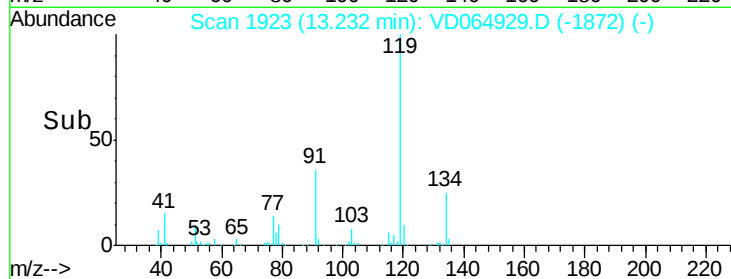
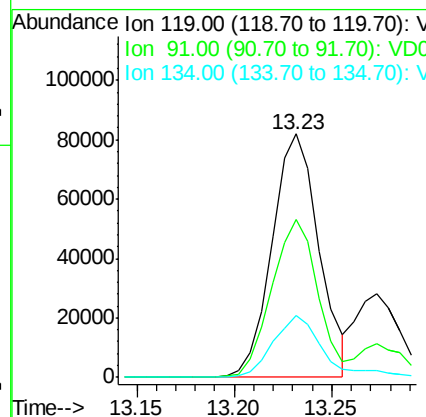
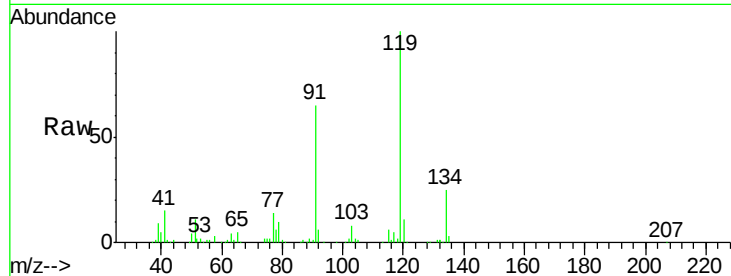




#83
 tert-Butylbenzene
 Concen: 9.98 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

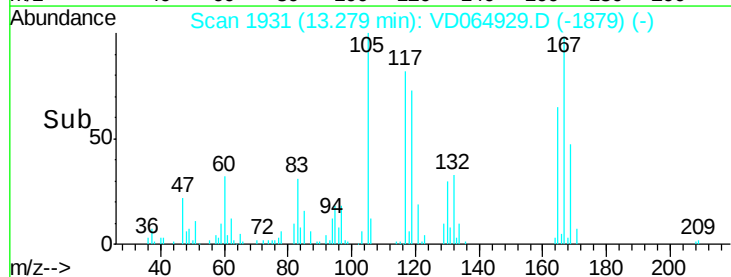
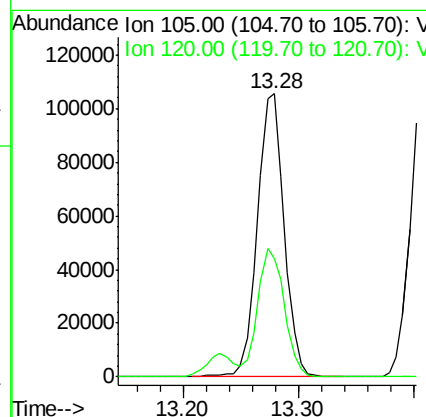
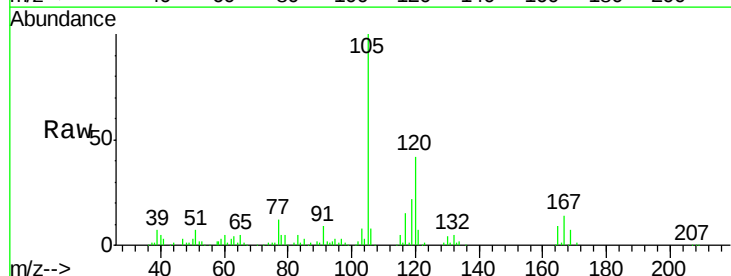
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

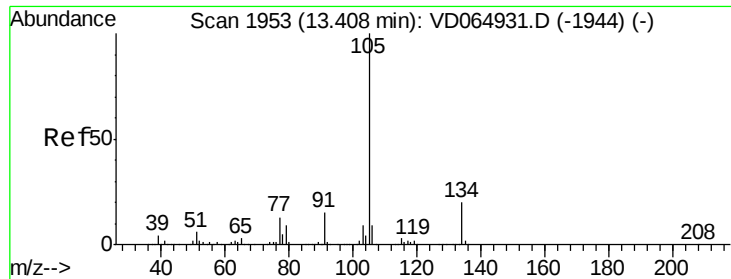
Tgt Ion:119 Resp: 136424
 Ion Ratio Lower Upper
 119 100
 91 63.1 32.0 96.0
 134 27.1 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 10.82 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion:105 Resp: 170575
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.1 69.3

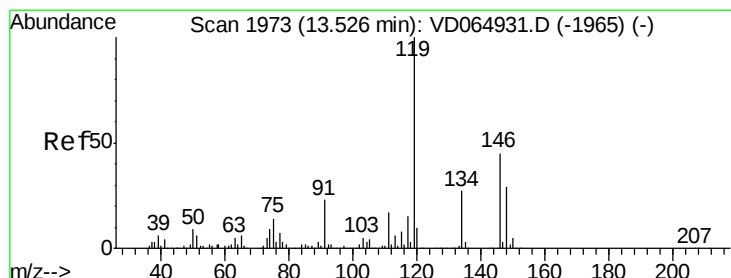
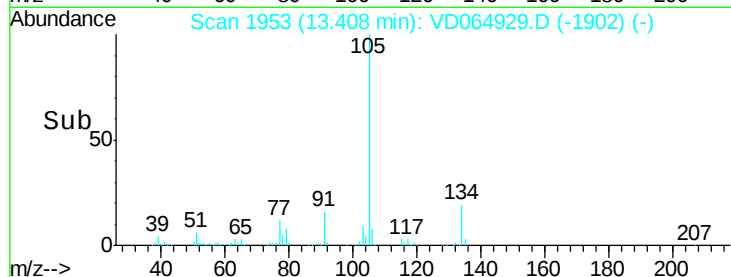
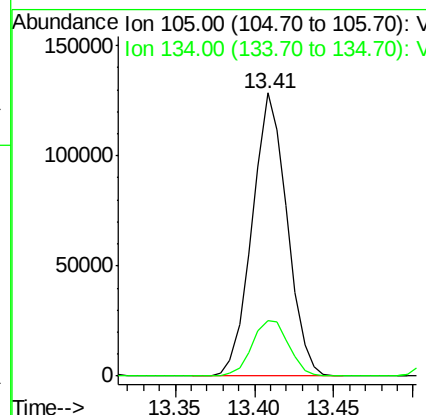
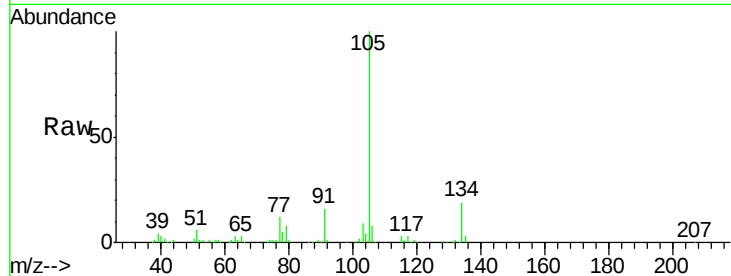




#85
 sec-Butylbenzene
 Concen: 10.47 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

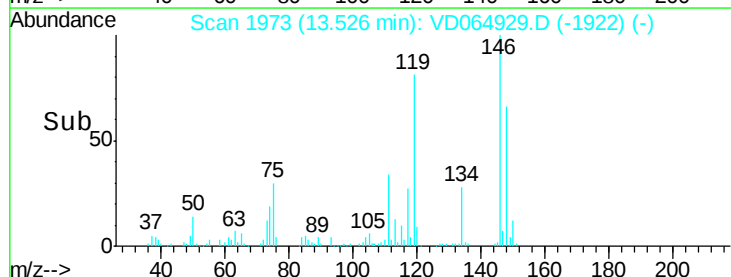
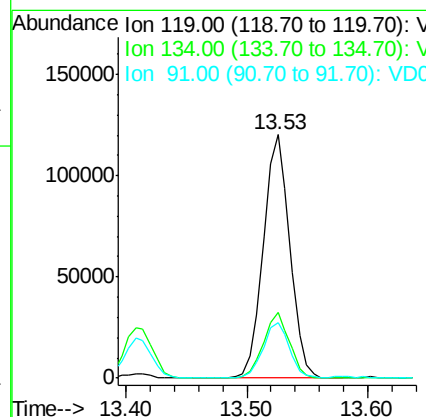
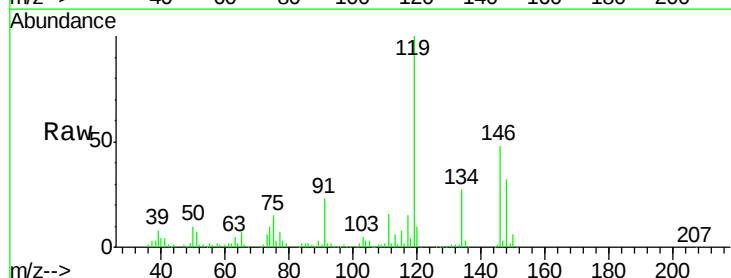
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

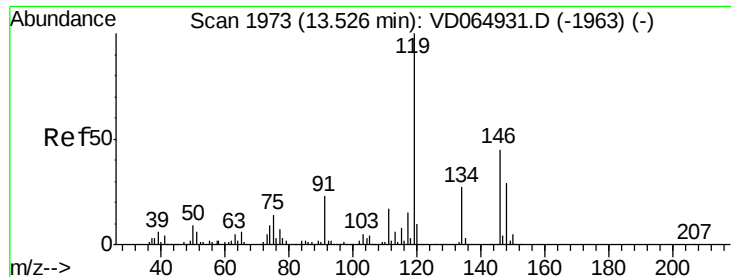
Tgt Ion:105 Resp: 196755
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 10.16 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion:119 Resp: 182450
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 22.6 11.4 34.2

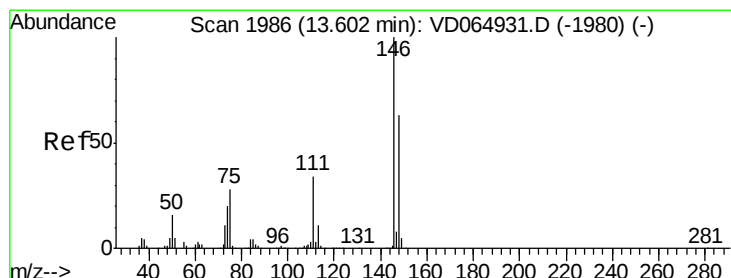
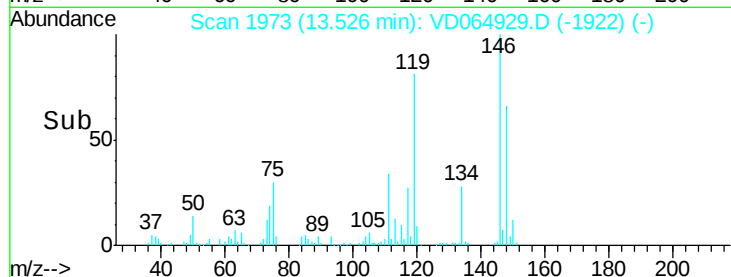
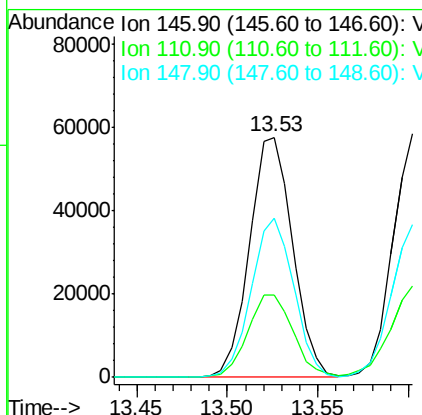
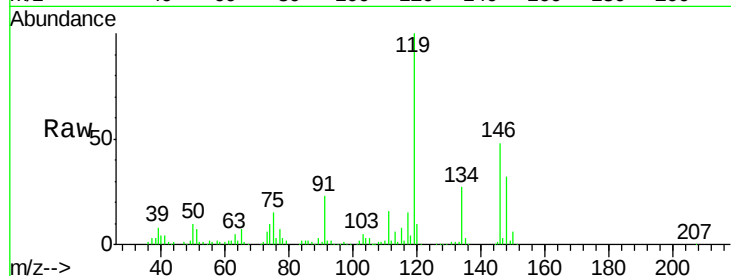




#87
 1,3-Dichlorobenzene
 Concen: 10.58 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

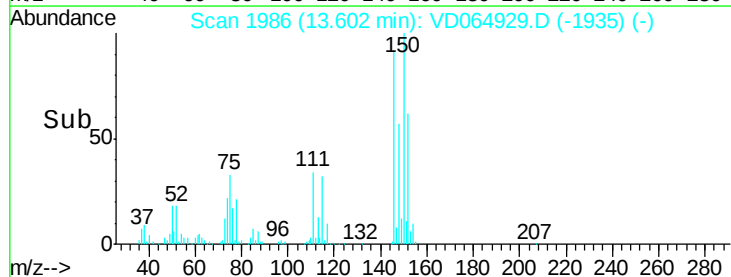
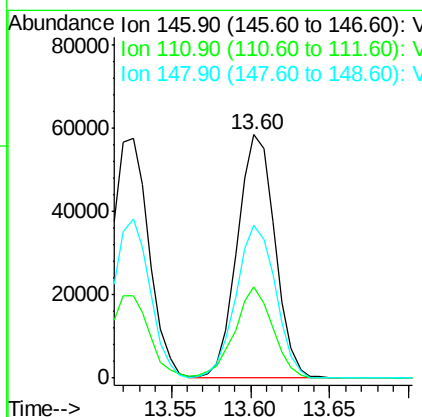
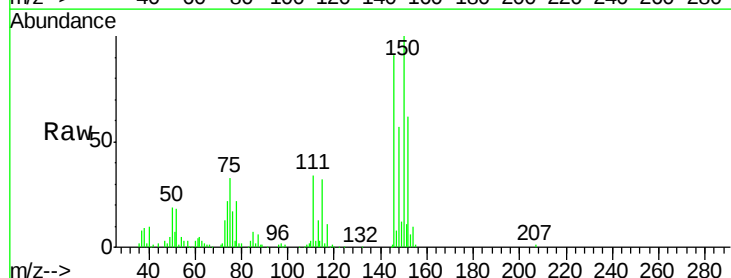
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

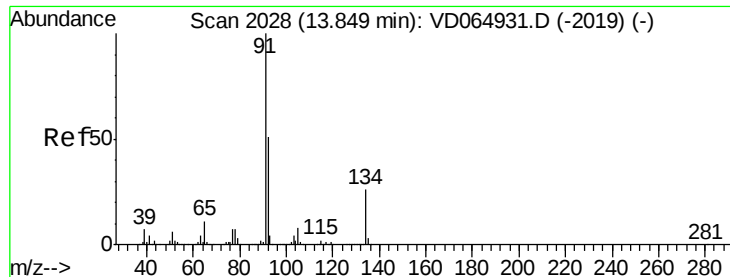
Tgt Ion:146 Resp: 95129
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.9
 148 65.4 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 10.91 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion:146 Resp: 96292
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.2 54.6
 148 65.9 32.0 96.0





#89

n-Butylbenzene

Concen: 10.00 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

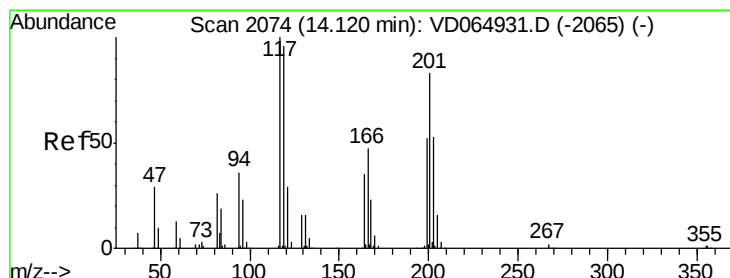
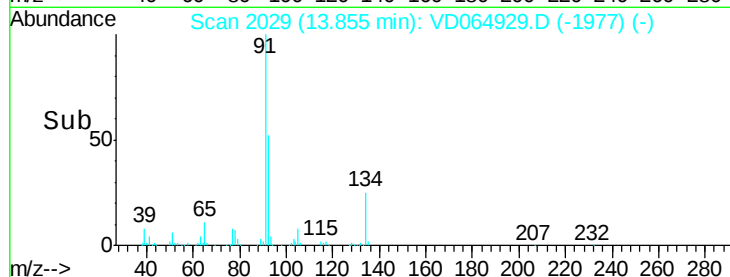
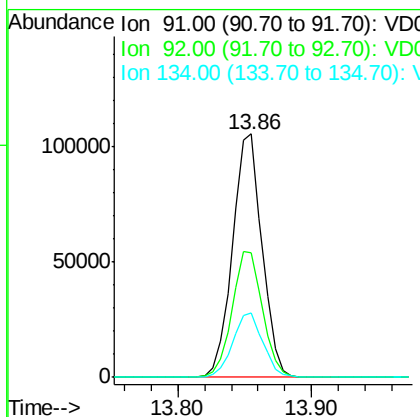
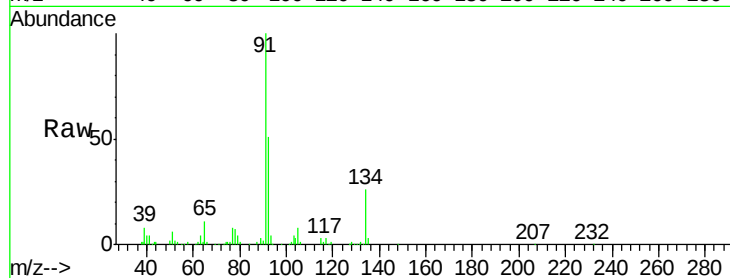
Tgt Ion: 91 Resp: 162440

Ion Ratio Lower Upper

91 100

92 53.2 26.4 79.0

134 26.9 13.3 39.9



#90

Hexachloroethane

Concen: 10.69 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064929.D

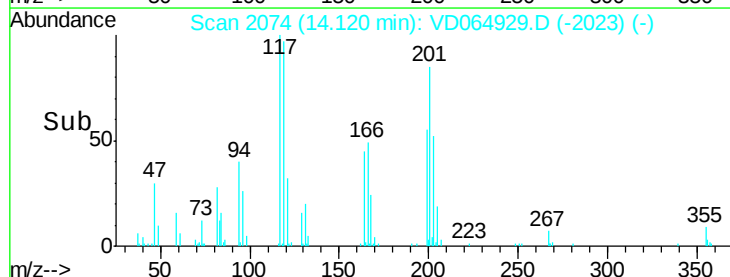
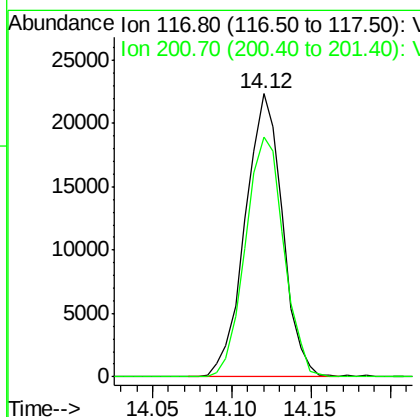
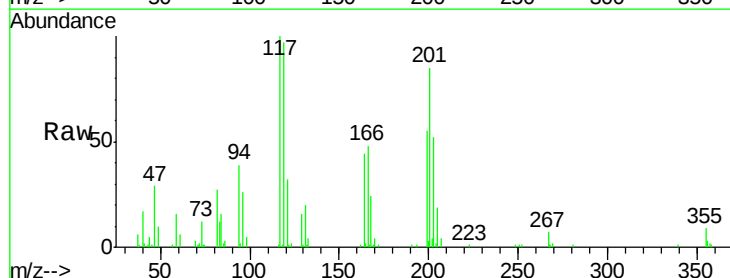
Acq: 23 Jan 2020 11:26

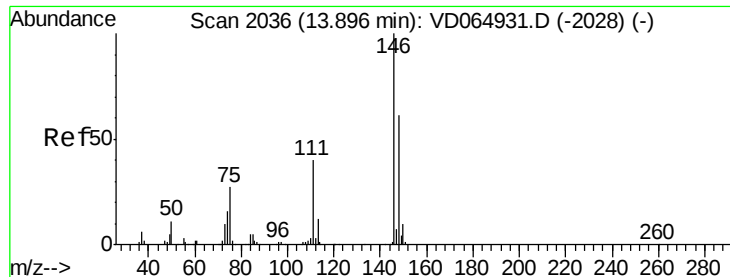
Tgt Ion: 117 Resp: 36644

Ion Ratio Lower Upper

117 100

201 86.6 41.1 123.3

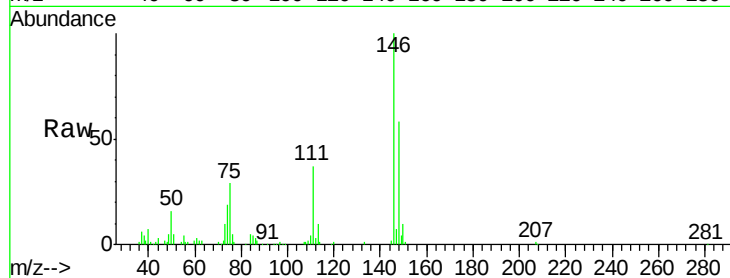




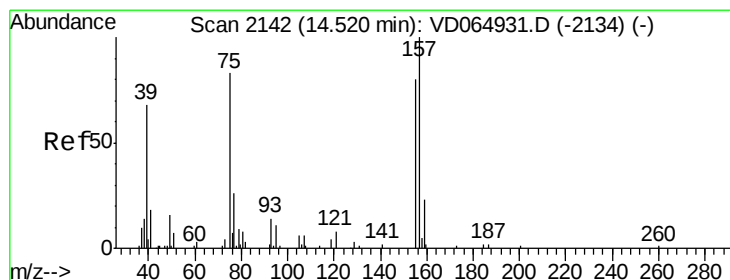
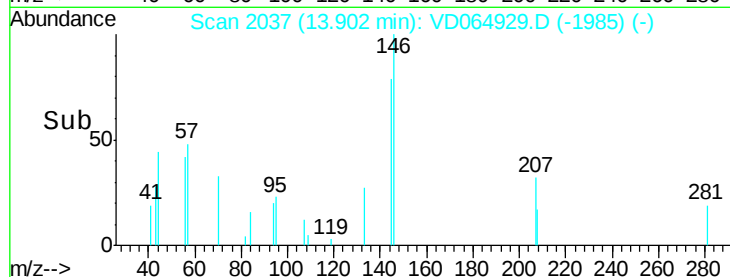
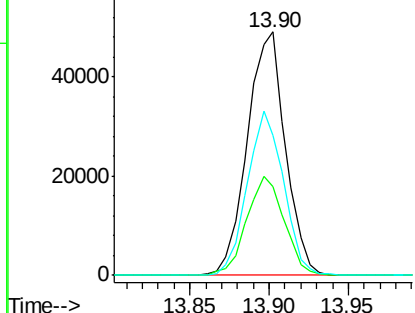
#91
 1,2-Dichlorobenzene
 Concen: 10.68 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.2
148	64.3	31.6	95.0

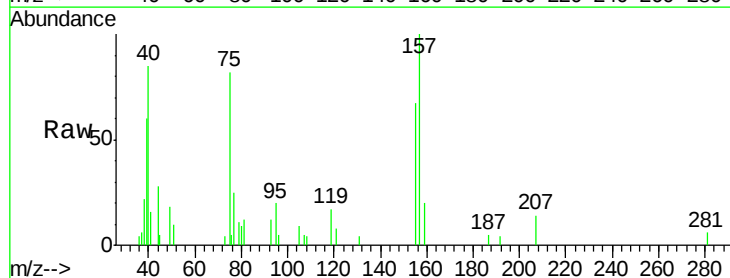


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

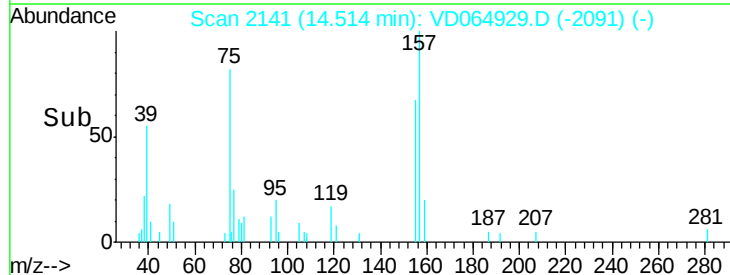
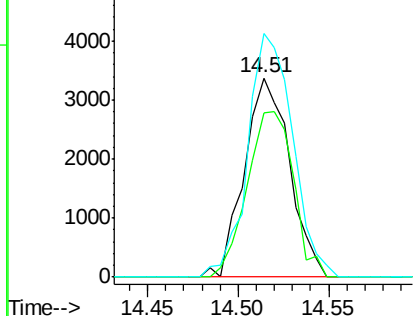


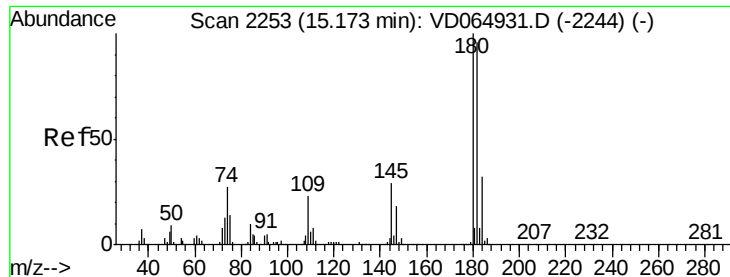
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.86 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	44.9	134.7
157	121.8	58.9	176.6



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

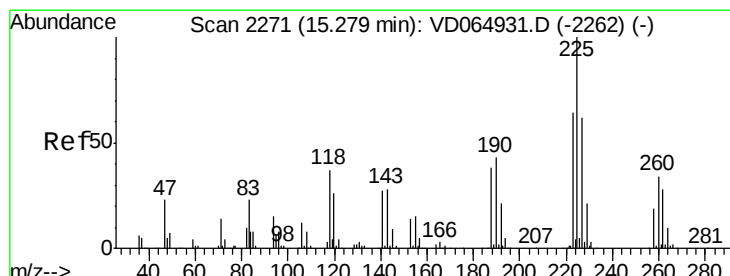
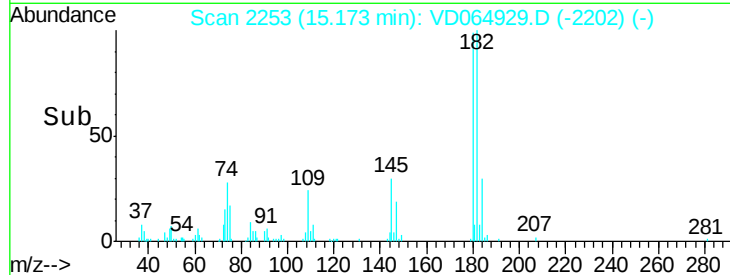
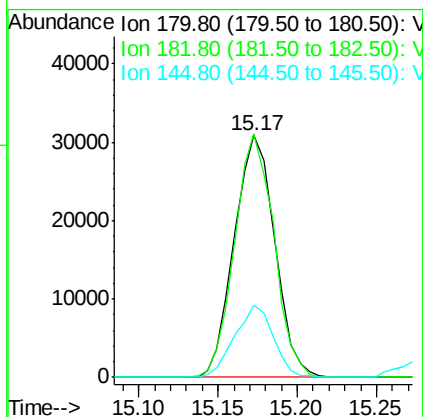
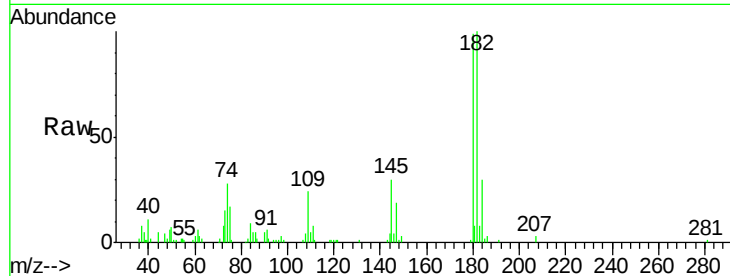




#93
 1,2,4-Trichlorobenzene
 Concen: 9.82 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

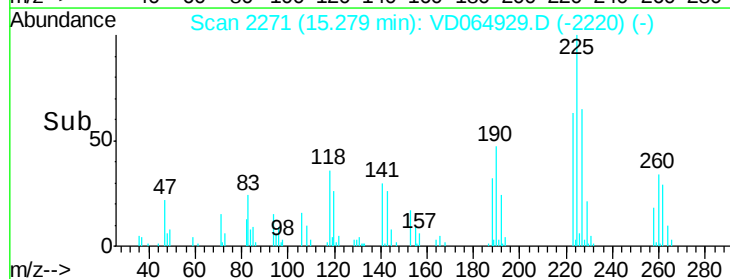
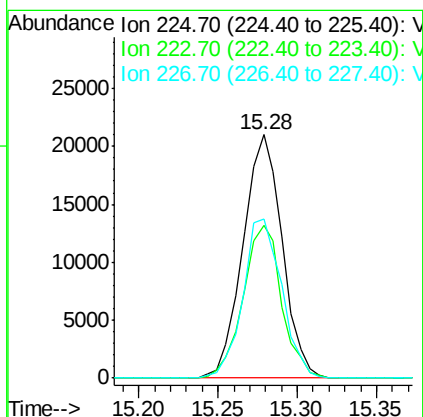
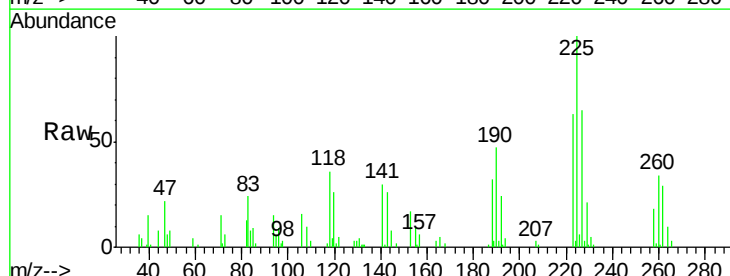
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

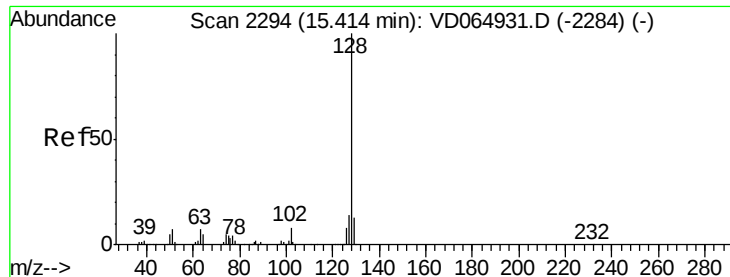
Tgt Ion:180 Resp: 54837
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.1 141.4
 145 28.4 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 10.26 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064929.D
 Acq: 23 Jan 2020 11:26

Tgt Ion:225 Resp: 36019
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.4 97.2
 227 64.9 31.9 95.9





#95

Naphthalene

Concen: 9.30 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

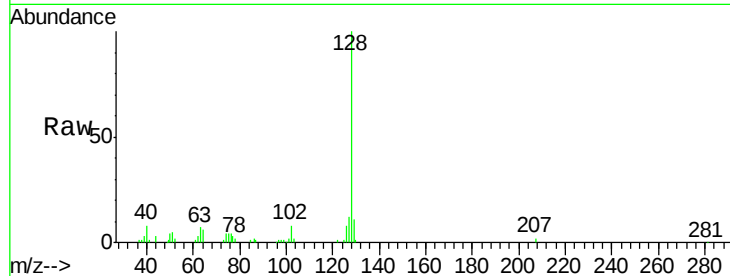
Tgt Ion:128 Resp: 82384

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

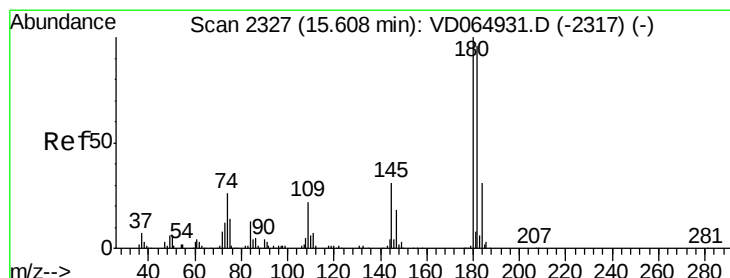
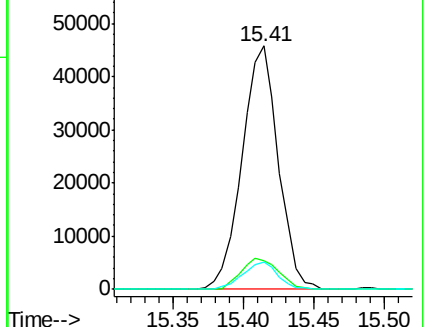
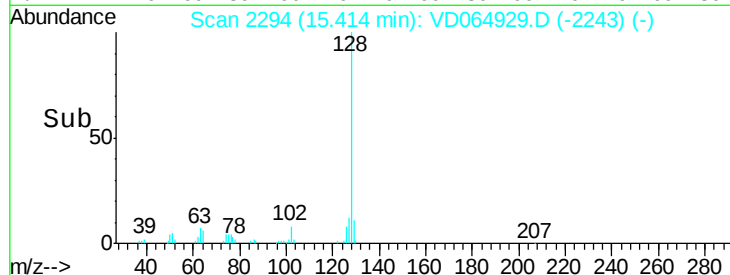
129 10.8 9.3 13.9



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: 10.20 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064929.D

Acq: 23 Jan 2020 11:26

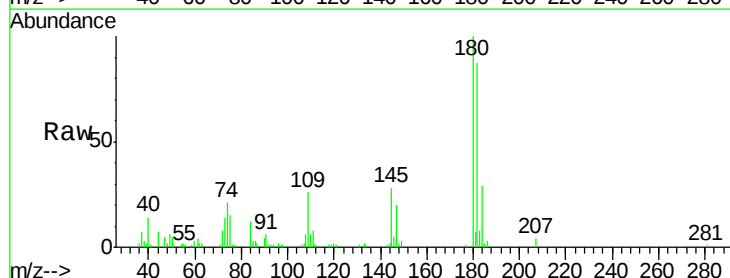
Tgt Ion:180 Resp: 48775

Ion Ratio Lower Upper

180 100

182 93.8 47.3 141.8

145 30.1 14.6 43.8



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

