

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064930.D
 Acq On : 23 Jan 2020 11:54
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 23 12:49:18 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	7.99	168	458215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	671052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	83134	20.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.44%	
35) Dibromofluoromethane	7.92	113	80382	19.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.78%	
50) Toluene-d8	10.34	98	301825	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
62) 4-Bromofluorobenzene	12.64	95	92099	18.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	69141	19.51	ug/l	96
3) Chloromethane	2.21	50	105123	21.14	ug/l	95
4) Vinyl Chloride	2.35	62	118076	19.58	ug/l	95
5) Bromomethane	2.76	94	76739	17.74	ug/l	95
6) Chloroethane	2.92	64	79471	19.86	ug/l	99
7) Trichlorofluoromethane	3.27	101	178848	17.91	ug/l	98
8) Diethyl Ether	3.71	74	41471	20.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82246	19.57	ug/l	98
10) Methyl Iodide	4.30	142	86557	19.24	ug/l	97
11) Tert butyl alcohol	5.26	59	22989	98.59	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	79019	19.76	ug/l	93
13) Acrolein	3.92	56	27642	87.55	ug/l	92
14) Allyl chloride	4.71	41	129392	20.61	ug/l	99
15) Acrylonitrile	5.44	53	89863	106.45	ug/l	98
16) Acetone	4.17	43	95666	113.22	ug/l	97
17) Carbon Disulfide	4.40	76	263851	20.28	ug/l	97
18) Methyl Acetate	4.73	43	42824	19.20	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	178551	20.05	ug/l	98
20) Methylene Chloride	4.96	84	100179	20.87	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	92488	20.20	ug/l	87
22) Diisopropyl ether	6.37	45	257035	20.54	ug/l	97
23) Vinyl Acetate	6.31	43	742113	104.24	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158852	21.12	ug/l	95
25) 2-Butanone	7.23	43	115058	102.55	ug/l	95
26) 2,2-Dichloropropane	7.21	77	142619	20.46	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	99629	20.28	ug/l	98
28) Bromochloromethane	7.55	49	52684	17.73	ug/l	98
29) Tetrahydrofuran	7.57	42	74408	107.45	ug/l	98
30) Chloroform	7.71	83	165642	21.03	ug/l	99
31) Cyclohexane	7.99	56	146912	19.50	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	150625	20.36	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130012	20.12	ug/l	98
37) Ethyl Acetate	7.30	43	57065	22.65	ug/l	98
38) Carbon Tetrachloride	8.10	117	135184	19.68	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143433	18.43	ug/l	98
40) Benzene	8.36	78	356143	20.18	ug/l	99
41) Methacrylonitrile	7.57	41	77076	52.19	ug/l #	37
42) 1,2-Dichloroethane	8.43	62	107499	20.99	ug/l	99
43) Isopropyl Acetate	8.46	43	102167	20.35	ug/l	99
44) Trichloroethene	9.11	130	102653	20.00	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86518	20.57	ug/l	94
46) Dibromomethane	9.48	93	46856	20.14	ug/l	99
47) Bromodichloromethane	9.67	83	125969	20.31	ug/l	99
48) Methyl methacrylate	9.46	41	47098	20.05	ug/l	94
49) 1,4-Dioxane	9.47	88	11816	433.56	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258001	103.23	ug/l	98
52) Toluene	10.41	92	229669	19.92	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119259	20.51	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	138432	20.25	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	62866	19.92	ug/l	97
56) Ethyl methacrylate	10.66	69	76942	19.57	ug/l	98
57) 1,3-Dichloropropane	10.95	76	111062	20.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124473	85.46	ug/l	100
59) 2-Hexanone	10.99	43	179405	105.51	ug/l	95
60) Dibromochloromethane	11.14	129	86136	19.87	ug/l	98
61) 1,2-Dibromoethane	11.26	107	62513	20.20	ug/l	98
64) Tetrachloroethene	10.88	164	86876	19.13	ug/l	97
65) Chlorobenzene	11.67	112	241172	19.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	91952	19.83	ug/l	100
67) Ethyl Benzene	11.75	91	423826	18.98	ug/l	93
68) m/p-Xylenes	11.86	106	333403	38.78	ug/l	99
69) o-Xylene	12.18	106	145745	18.81	ug/l	99
70) Styrene	12.20	104	260318	19.02	ug/l	99
71) Bromoform	12.36	173	52034	19.80	ug/l	99
73) Isopropylbenzene	12.48	105	396197	19.23	ug/l	99
74) N-amyl acetate	12.30	43	89612	20.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67380	20.69	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	93164	38.97	ug/l #	100
77) Bromobenzene	12.77	156	97667	19.35	ug/l	98
78) n-propylbenzene	12.83	91	475923	19.74	ug/l	100
79) 2-Chlorotoluene	12.91	91	263655	19.91	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	330760	19.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	22378	20.33	ug/l	96
82) 4-Chlorotoluene	13.01	91	274756	19.54	ug/l	99
83) tert-Butylbenzene	13.23	119	275119	18.80	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	334271	19.81	ug/l	99
85) sec-Butylbenzene	13.41	105	384167	19.10	ug/l	99
86) p-Isopropyltoluene	13.52	119	358118	18.64	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	186548	19.38	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183586	19.44	ug/l	98
89) n-Butylbenzene	13.85	91	328598	18.91	ug/l	99
90) Hexachloroethane	14.12	117	68530	18.67	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	157160	19.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10444	19.82	ug/l	98

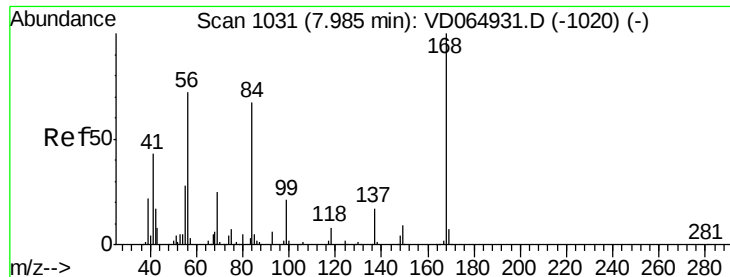
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110724	18.53	ug/l	100
94) Hexachlorobutadiene	15.28	225	66997	17.84	ug/l	98
95) Naphthalene	15.41	128	176083	18.57	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	92323	18.03	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

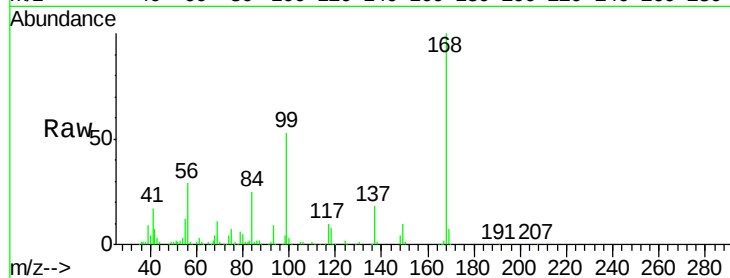
VSTDIC020

Tgt Ion:168 Resp: 458215

Ion Ratio Lower Upper

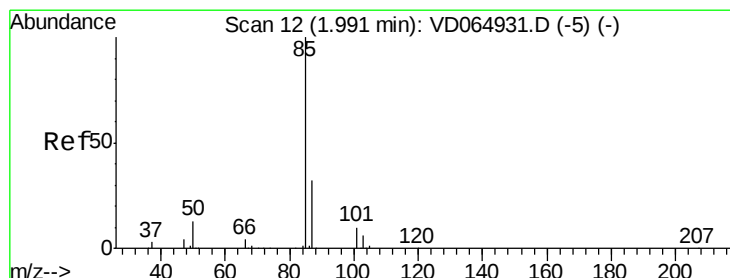
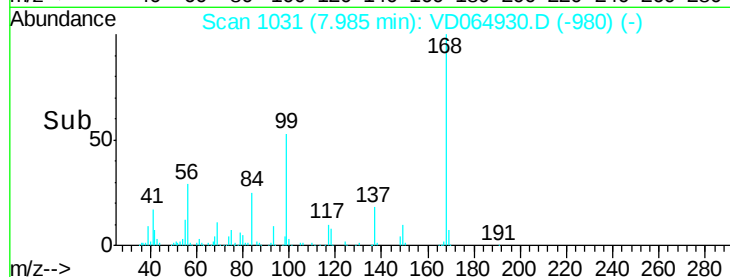
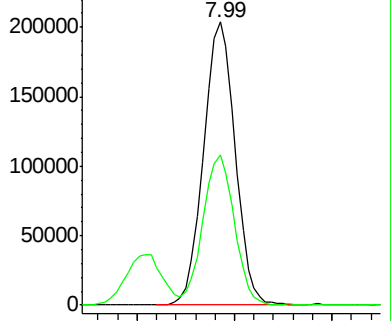
168 100

99 52.7 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: 19.51 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064930.D

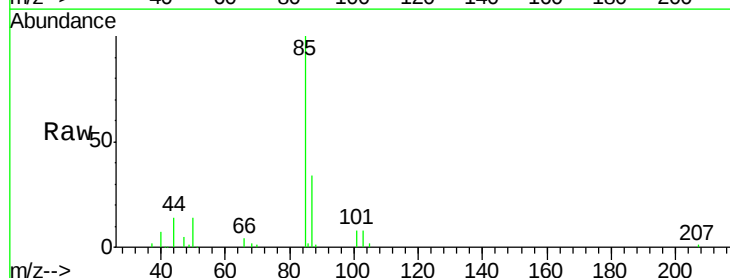
Acq: 23 Jan 2020 11:54

Tgt Ion: 85 Resp: 69141

Ion Ratio Lower Upper

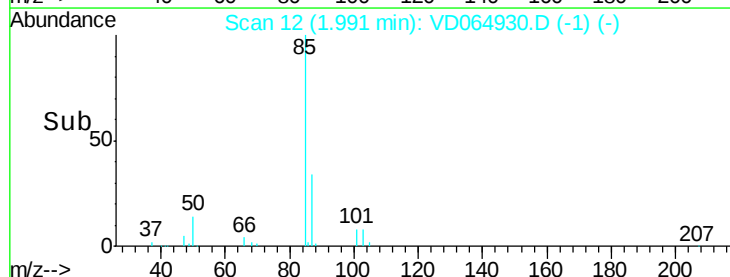
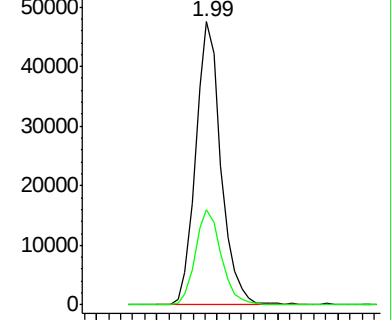
85 100

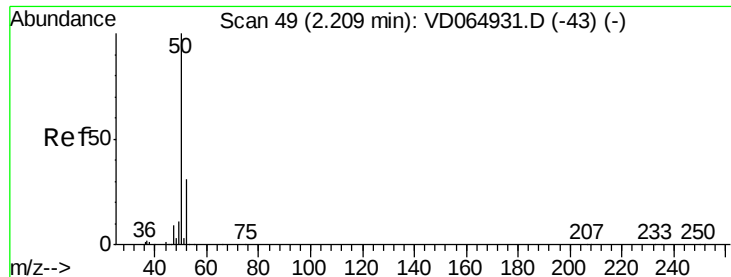
87 33.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.14 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

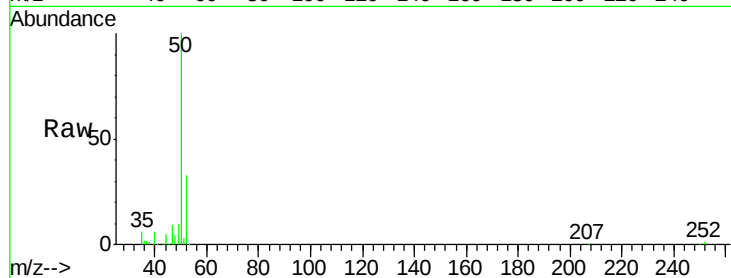
VSTDIC020

Tgt Ion: 50 Resp: 105123

Ion Ratio Lower Upper

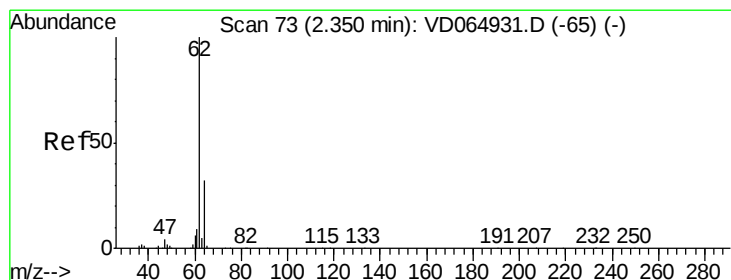
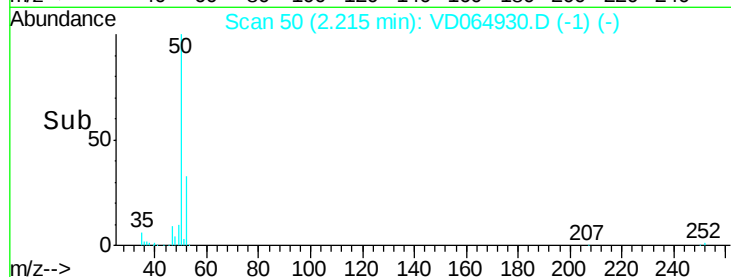
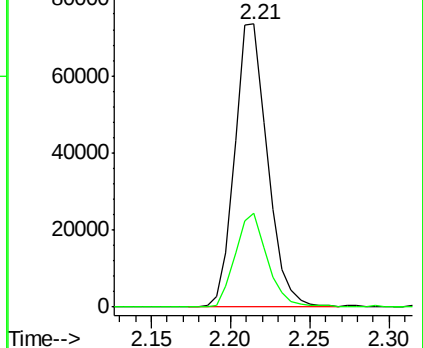
50 100

52 33.4 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: 19.58 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064930.D

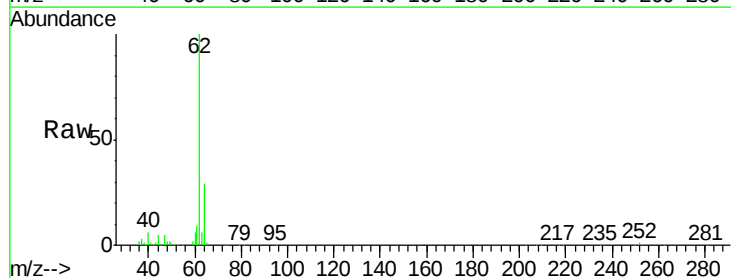
Acq: 23 Jan 2020 11:54

Tgt Ion: 62 Resp: 118076

Ion Ratio Lower Upper

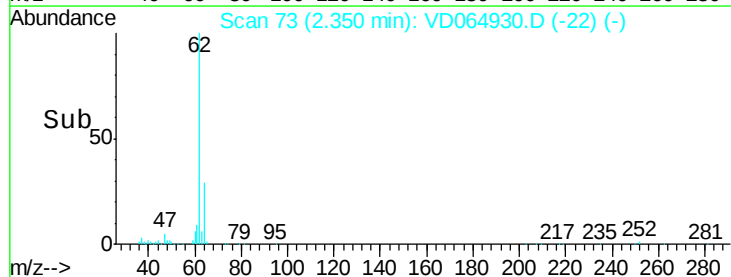
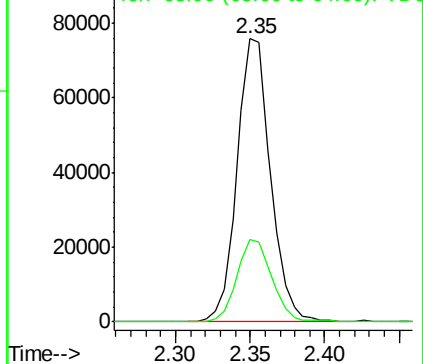
62 100

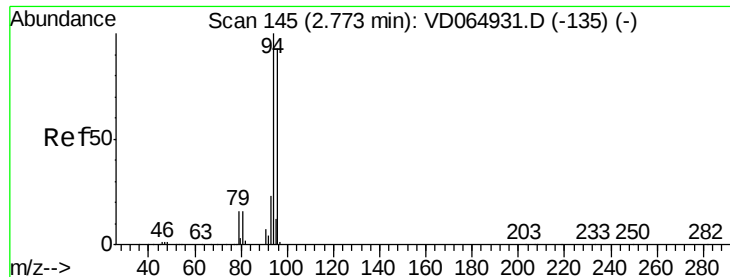
64 29.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.74 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

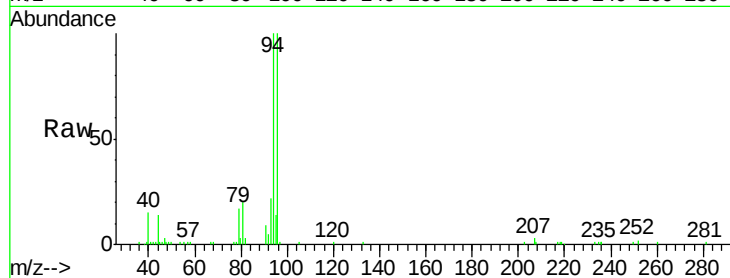
VSTDIC020

Tgt Ion: 94 Resp: 76739

Ion Ratio Lower Upper

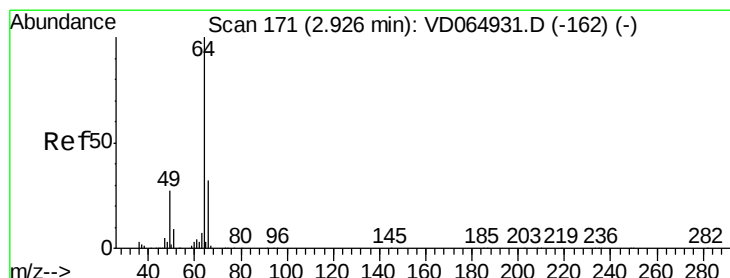
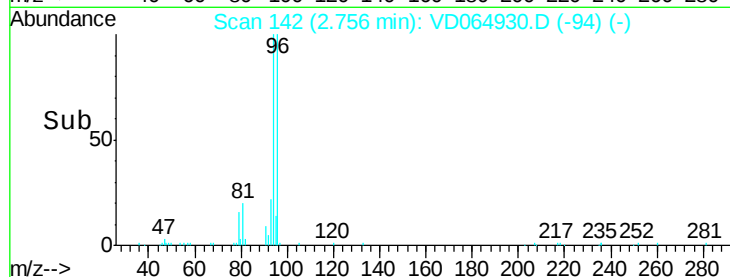
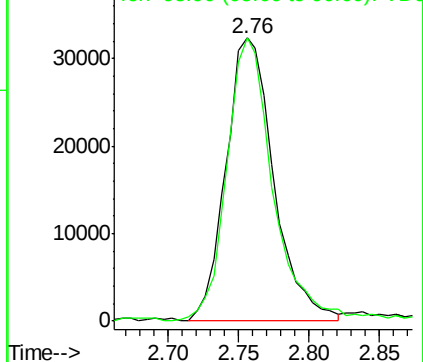
94 100

96 98.4 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: 19.86 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064930.D

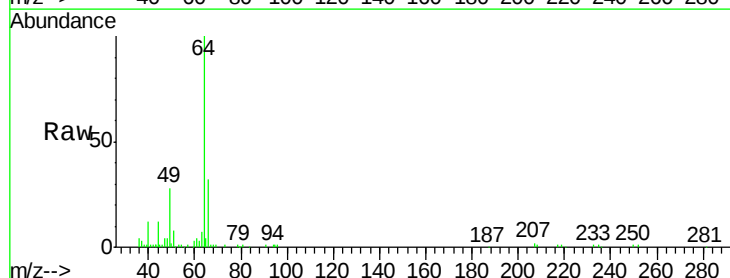
Acq: 23 Jan 2020 11:54

Tgt Ion: 64 Resp: 79471

Ion Ratio Lower Upper

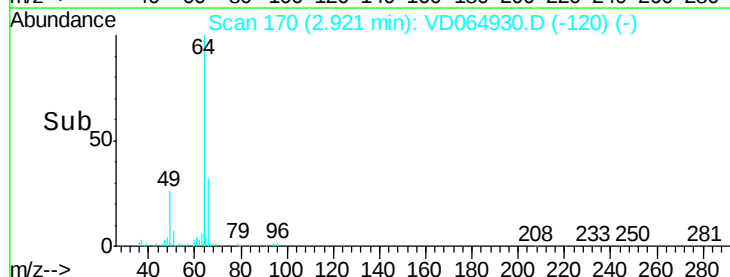
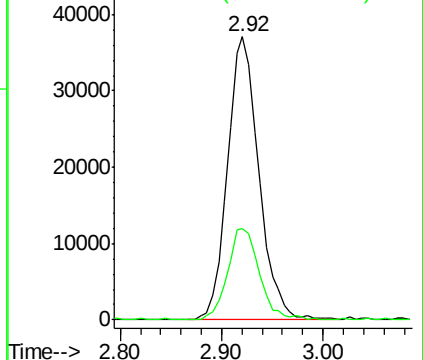
64 100

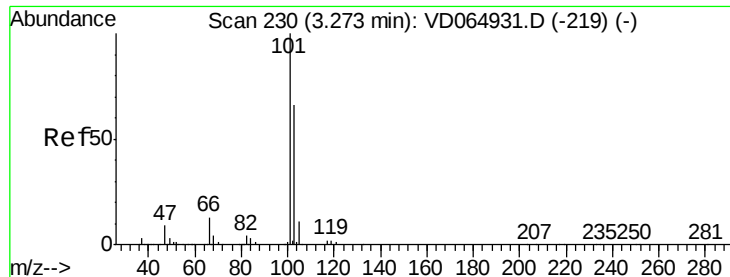
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.91 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

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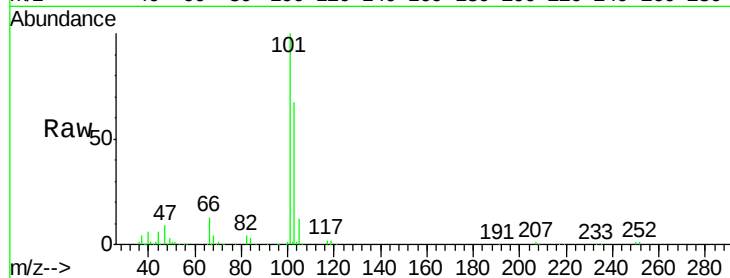
VSTDIC020

Tgt Ion: 101 Resp: 178848

Ion Ratio Lower Upper

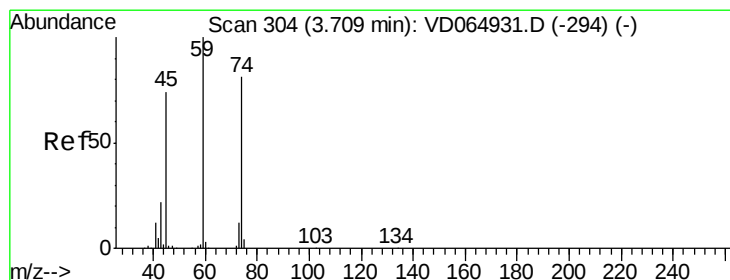
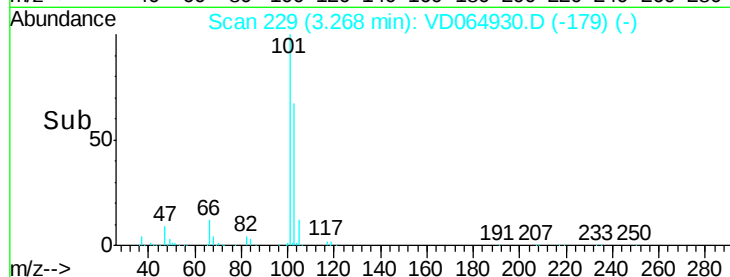
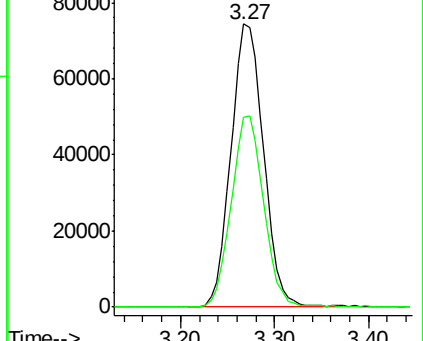
101 100

103 67.1 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.49 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064930.D

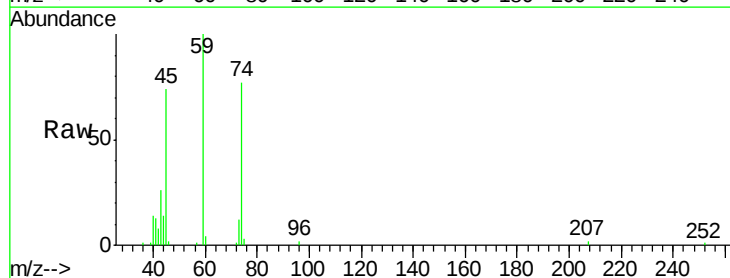
Acq: 23 Jan 2020 11:54

Tgt Ion: 74 Resp: 41471

Ion Ratio Lower Upper

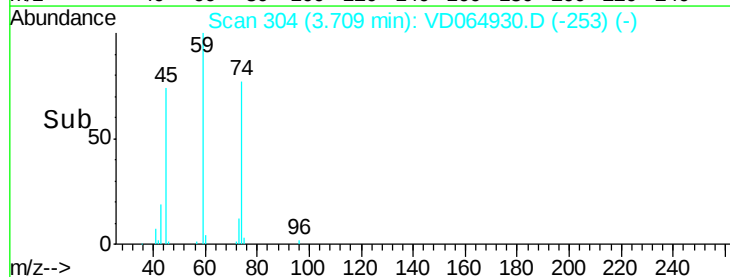
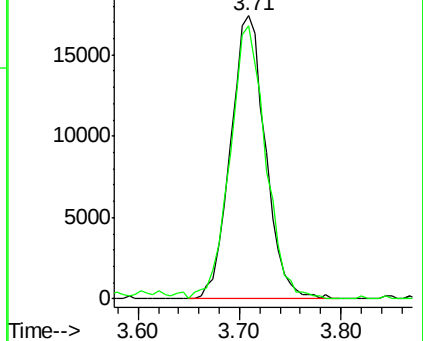
74 100

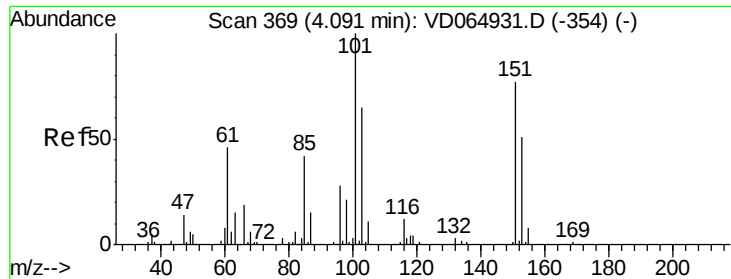
45 98.7 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064930.D

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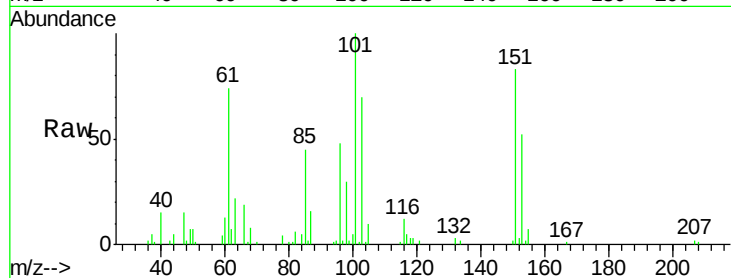
Tgt Ion:101 Resp: 82246

Ion Ratio Lower Upper

101 100

85 45.8 35.0 52.4

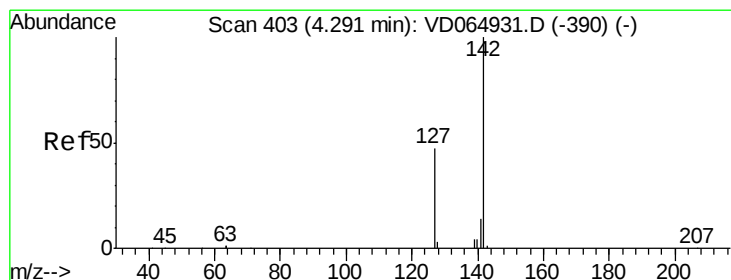
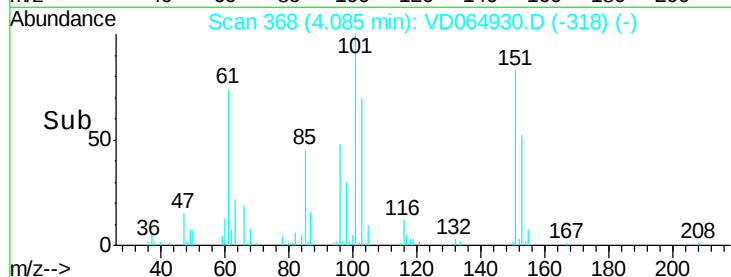
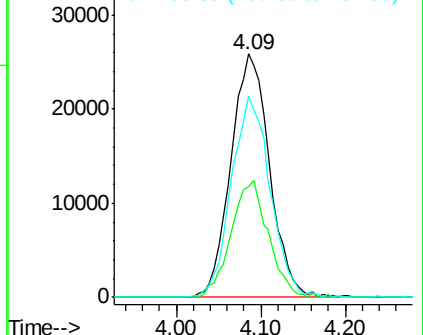
151 82.5 64.6 96.8



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: 19.24 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

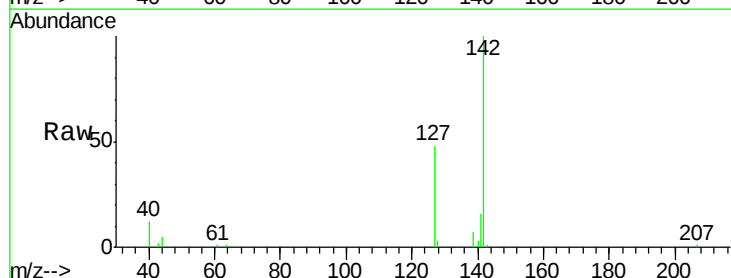
Tgt Ion:142 Resp: 86557

Ion Ratio Lower Upper

142 100

127 47.0 36.2 54.2

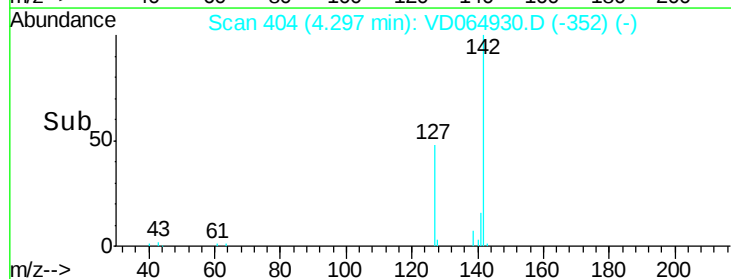
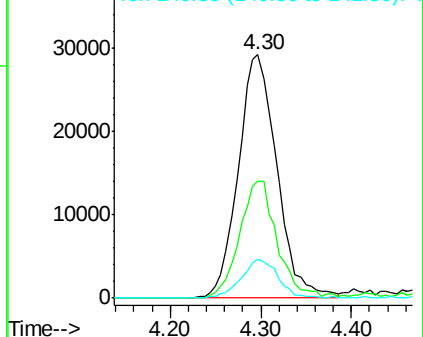
141 15.3 11.6 17.4

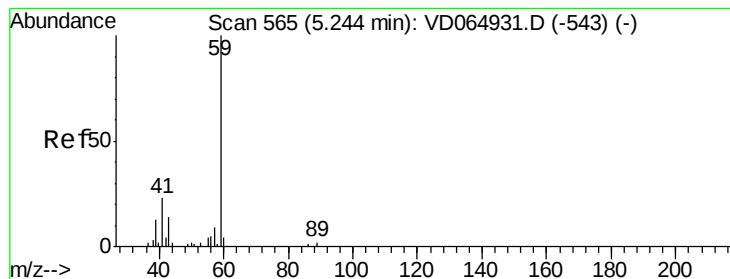


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.59 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

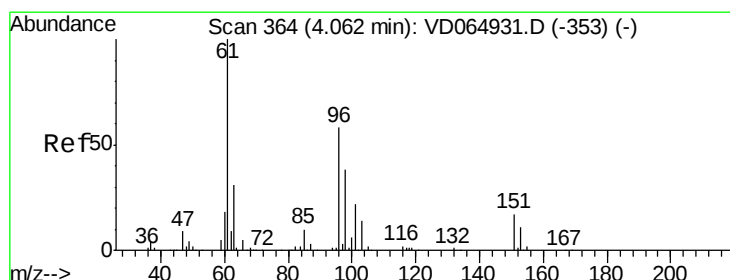
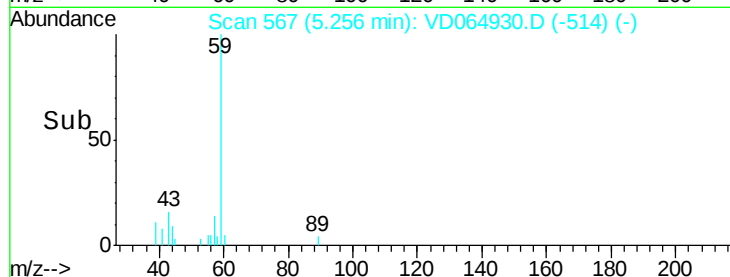
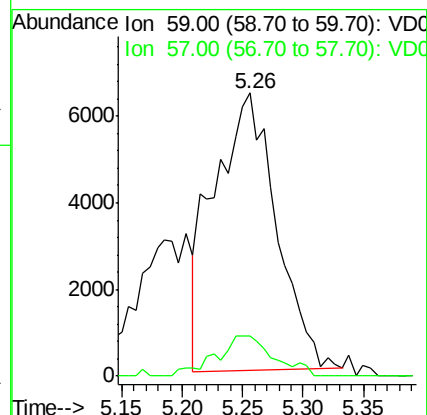
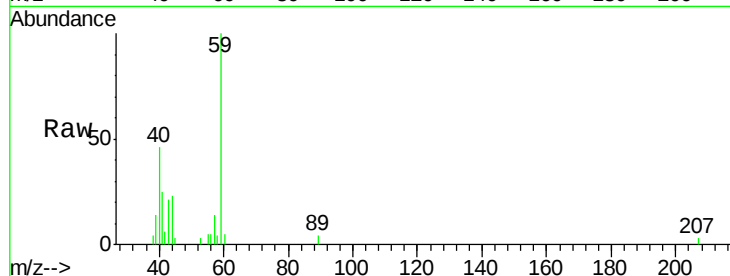
VSTDIC020

Tgt Ion: 59 Resp: 22989

Ion Ratio Lower Upper

59 100

57 13.4 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 19.76 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

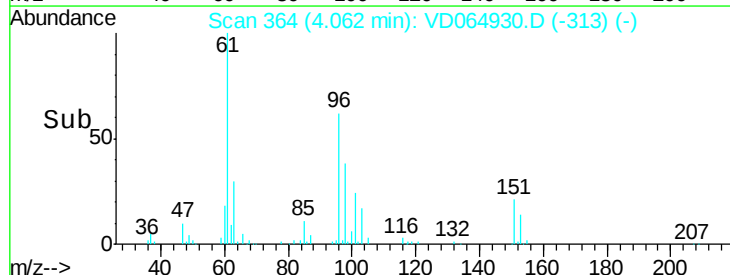
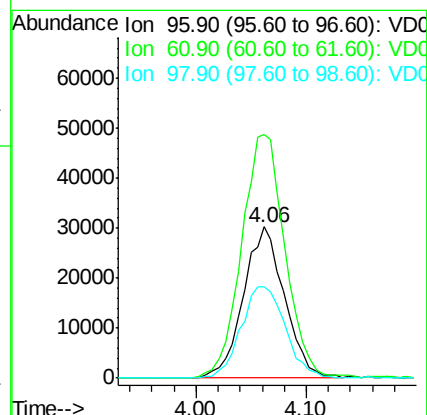
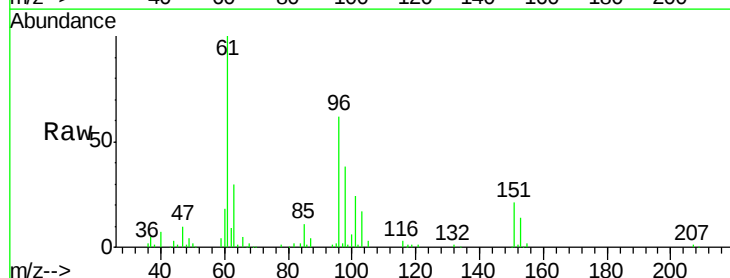
Tgt Ion: 96 Resp: 79019

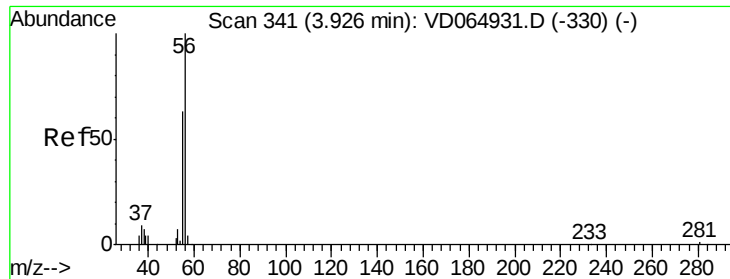
Ion Ratio Lower Upper

96 100

61 161.2 137.0 205.4

98 60.6 52.1 78.1





#13

Acrolein

Concen: 87.55 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

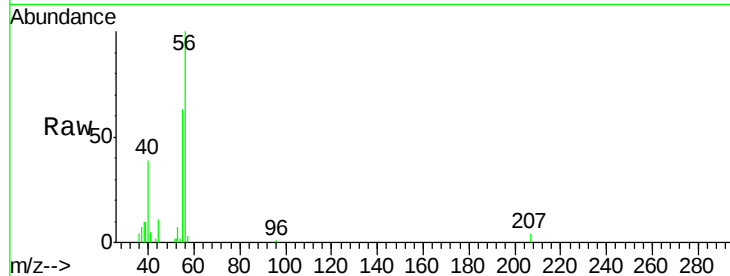
VSTDIC020

Tgt Ion: 56 Resp: 27642

Ion Ratio Lower Upper

56 100

55 67.5 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

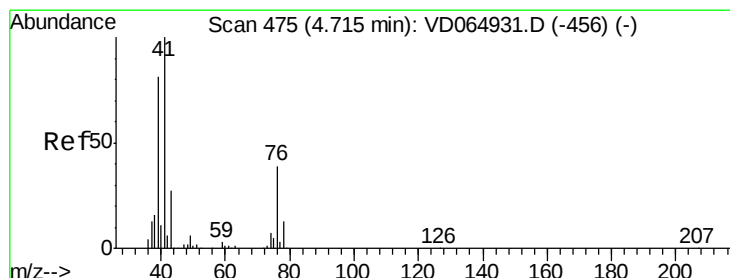
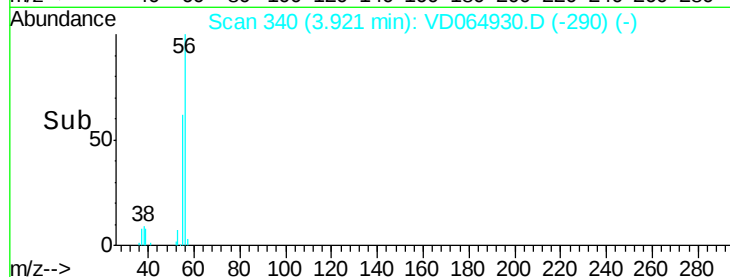
10000

5000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 20.61 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

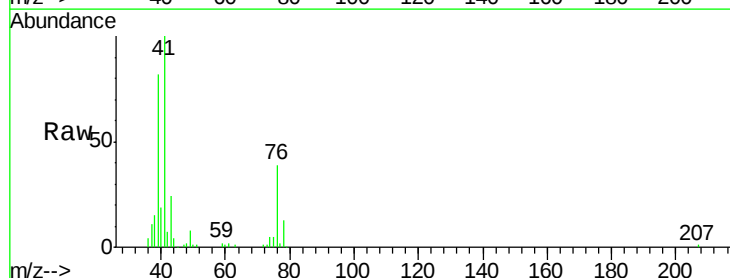
Tgt Ion: 41 Resp: 129392

Ion Ratio Lower Upper

41 100

39 76.6 62.0 93.0

76 36.6 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

30000

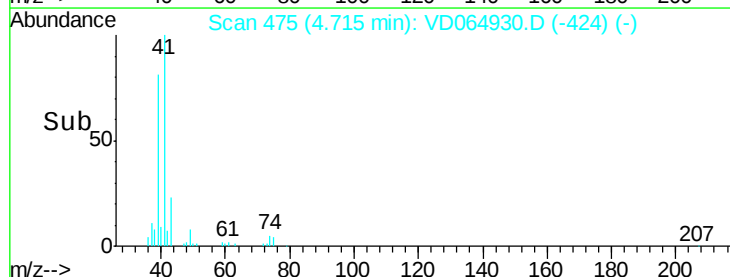
20000

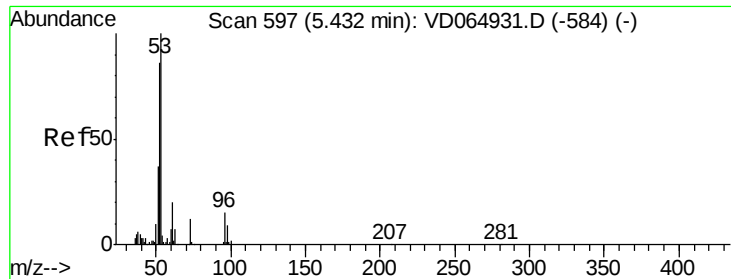
10000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 106.45 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

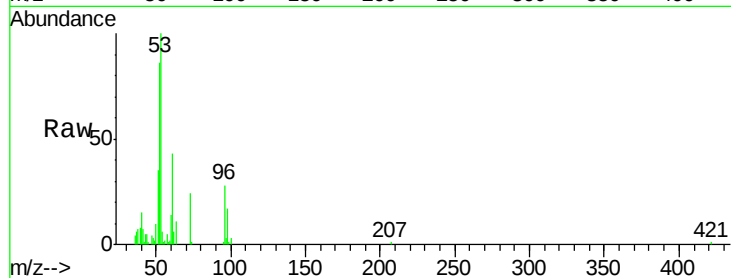
Tgt Ion: 53 Resp: 89863

Ion Ratio Lower Upper

53 100

52 85.8 66.7 100.1

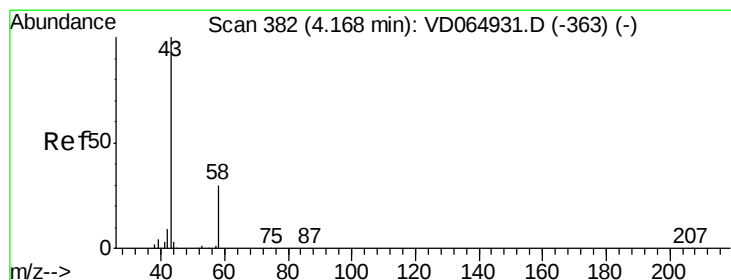
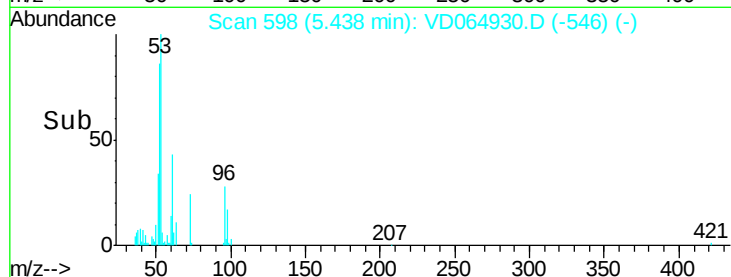
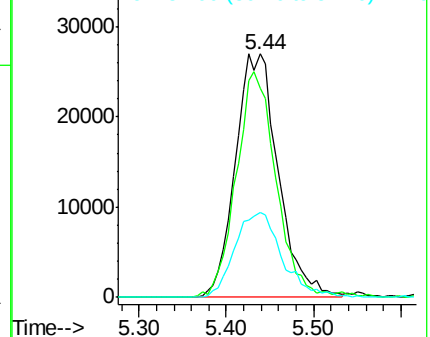
51 38.5 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 113.22 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064930.D

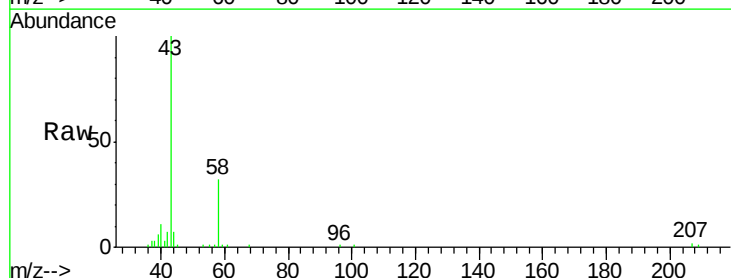
Acq: 23 Jan 2020 11:54

Tgt Ion: 43 Resp: 95666

Ion Ratio Lower Upper

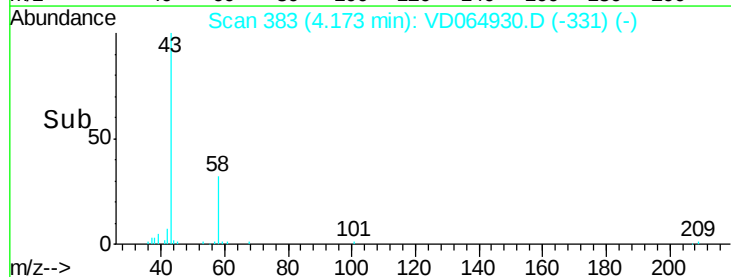
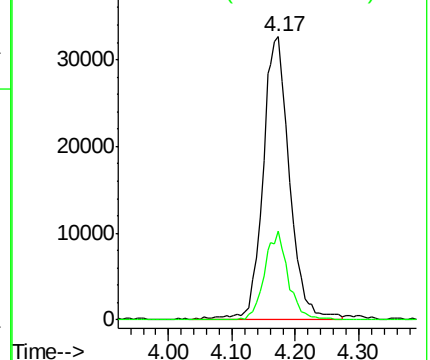
43 100

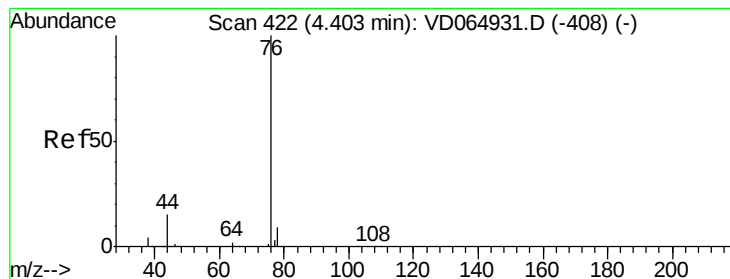
58 31.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.28 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

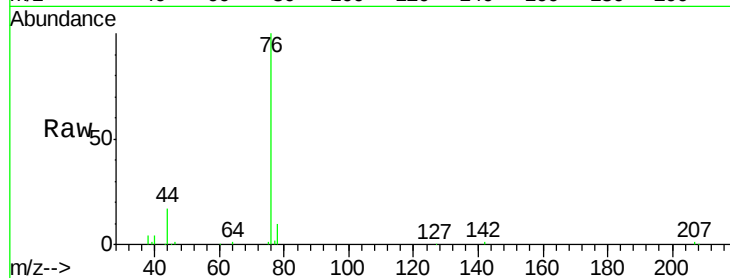
VSTDIC020

Tgt Ion: 76 Resp: 263851

Ion Ratio Lower Upper

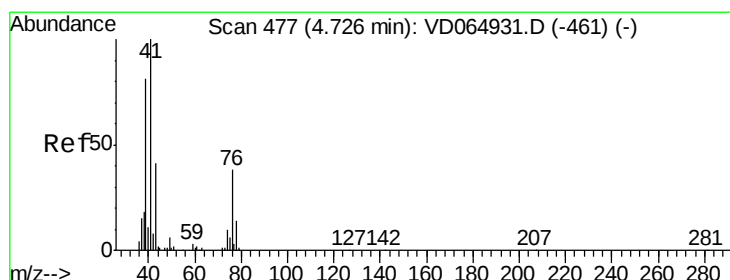
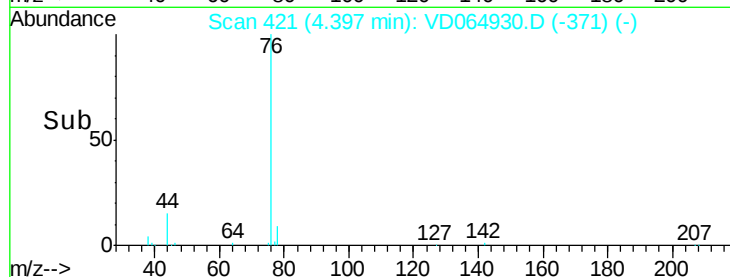
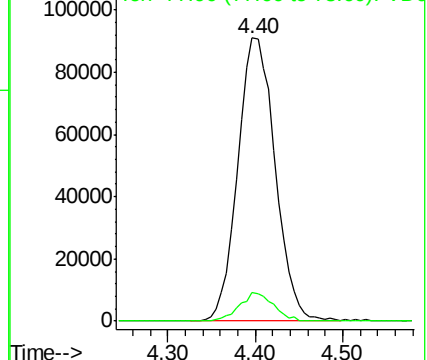
76 100

78 10.1 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: 19.20 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064930.D

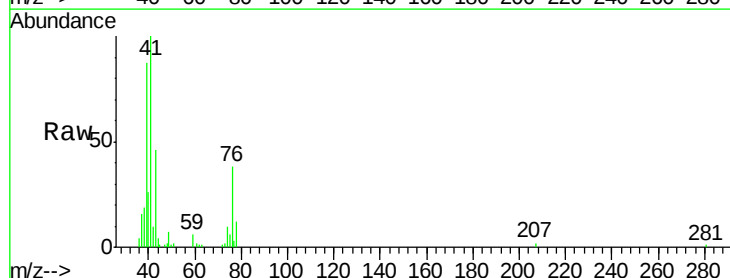
Acq: 23 Jan 2020 11:54

Tgt Ion: 43 Resp: 42824

Ion Ratio Lower Upper

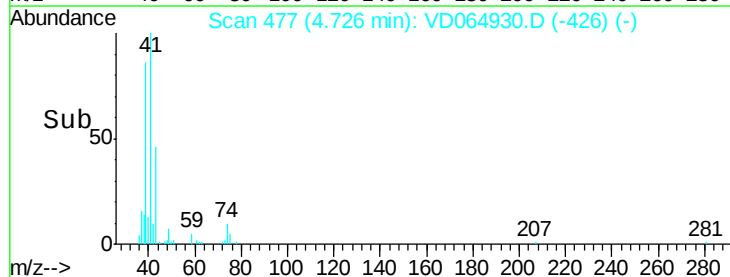
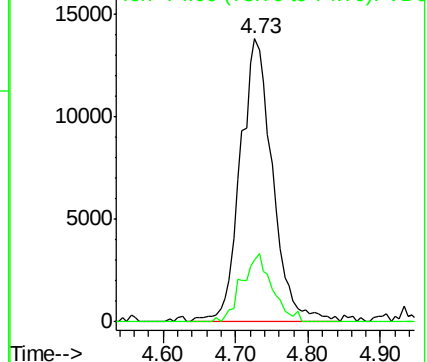
43 100

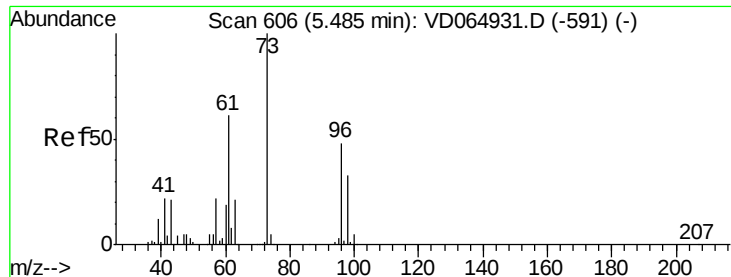
74 22.5 19.1 28.7



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: 20.05 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

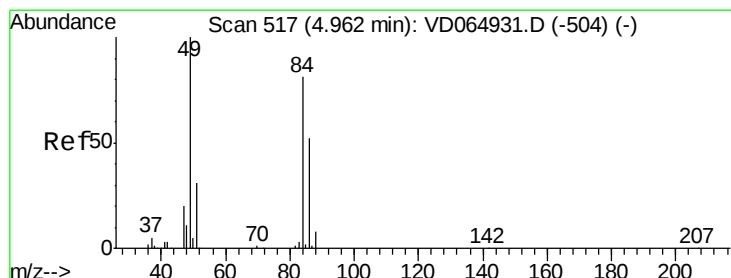
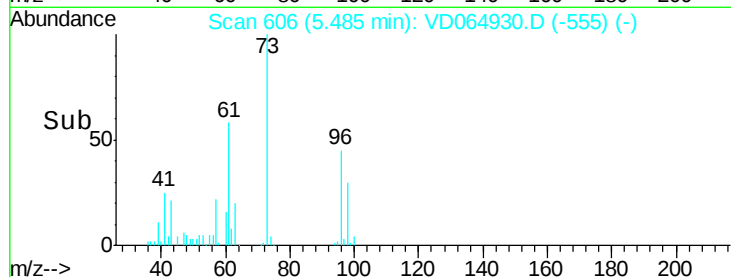
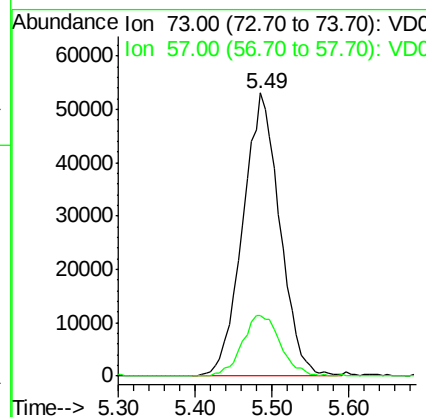
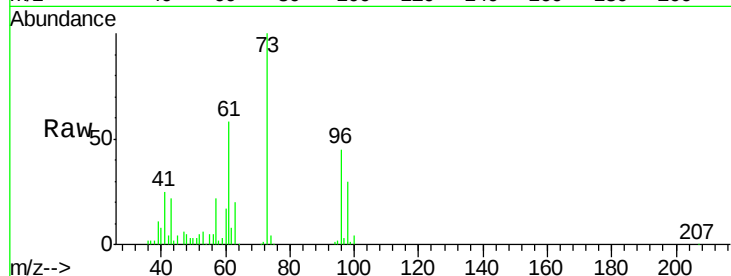
VSTDIC020

Tgt Ion: 73 Resp: 178551

Ion Ratio Lower Upper

73 100

57 21.6 17.9 26.9



#20

Methylene Chloride

Concen: 20.87 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion: 84 Resp: 100179

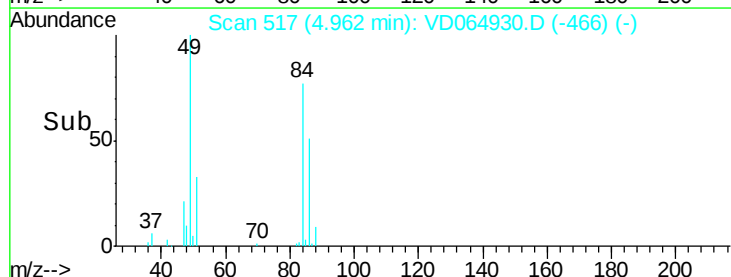
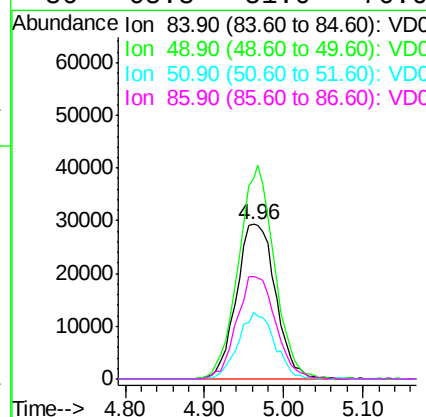
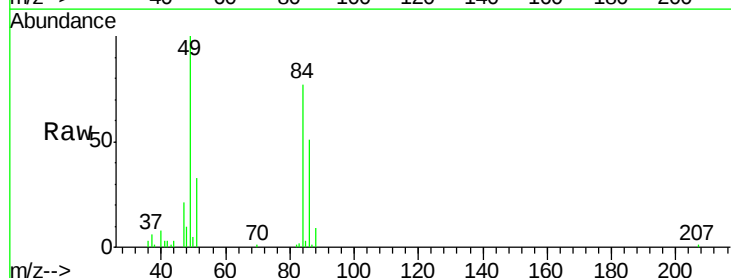
Ion Ratio Lower Upper

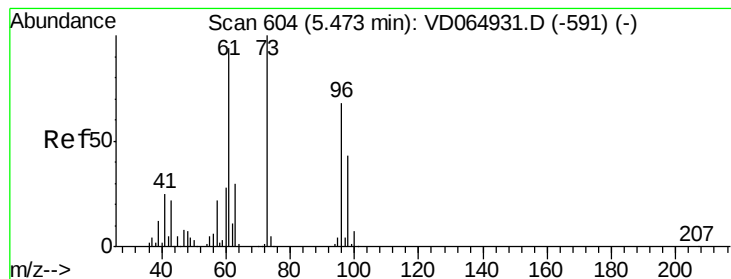
84 100

49 129.9 98.4 147.6

51 43.1 30.8 46.2

86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.20 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

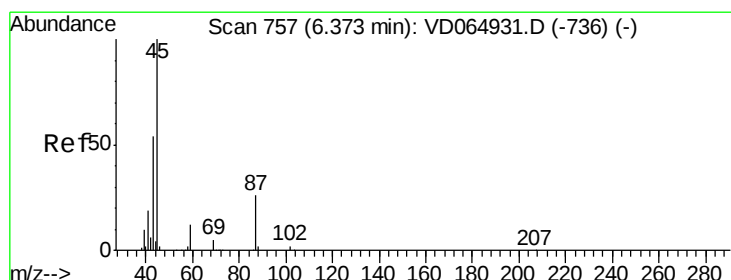
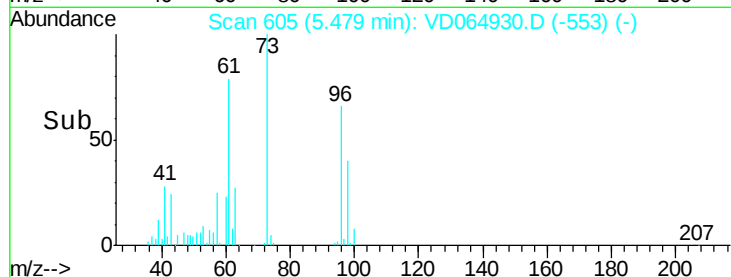
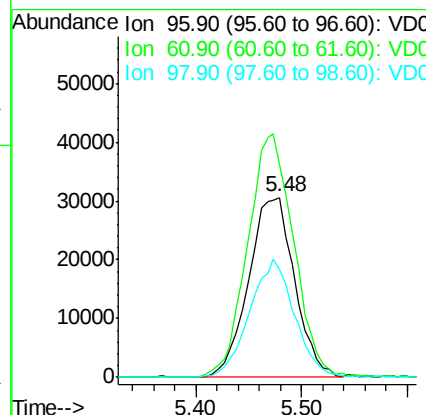
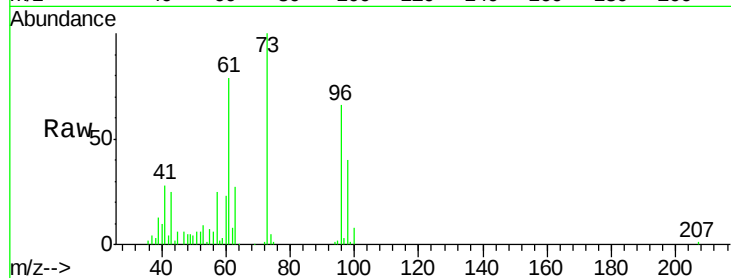
Tgt Ion: 96 Resp: 92488

Ion Ratio Lower Upper

96 100

61 118.3 110.4 165.6

98 59.9 50.5 75.7



#22

Diisopropyl ether

Concen: 20.54 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion: 45 Resp: 257035

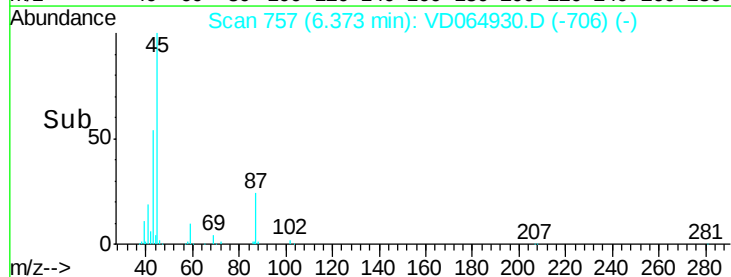
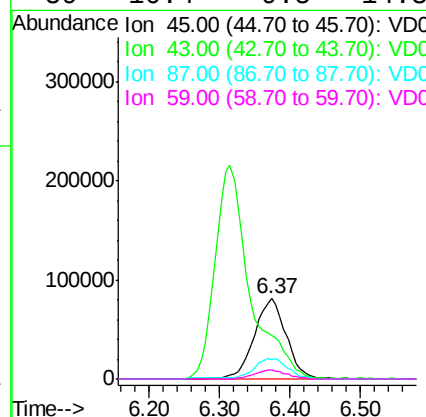
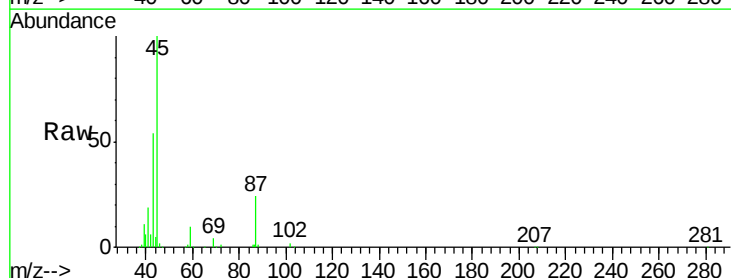
Ion Ratio Lower Upper

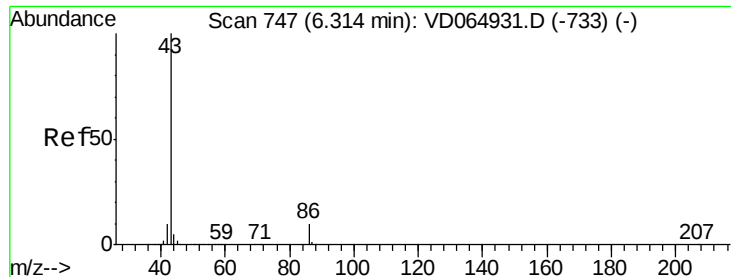
45 100

43 52.9 43.1 64.7

87 23.8 21.4 32.2

59 10.4 9.5 14.3





#23

Vinyl Acetate

Concen: 104.24 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

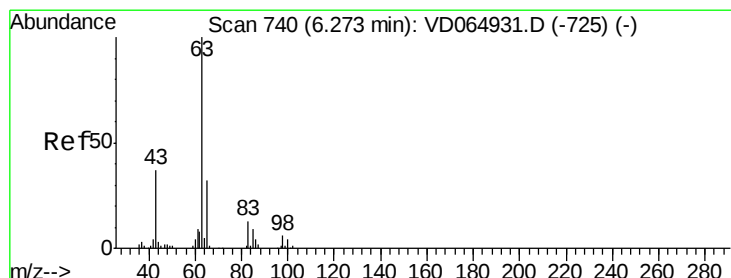
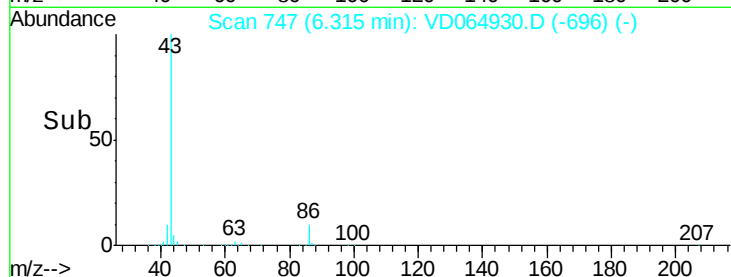
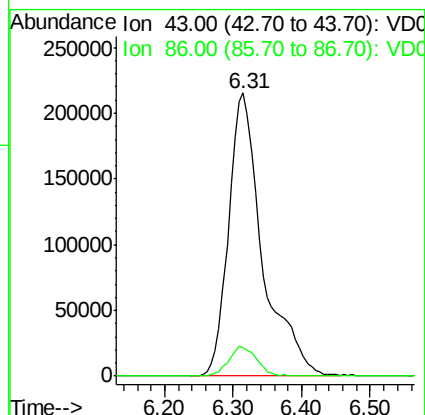
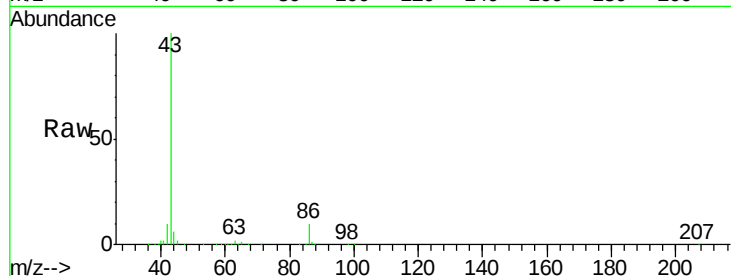
VSTDIC020

Tgt Ion: 43 Resp: 742113

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 21.12 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

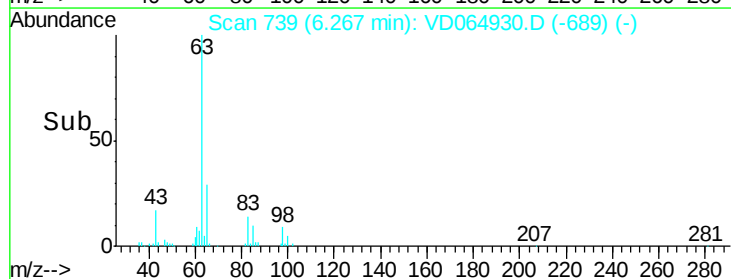
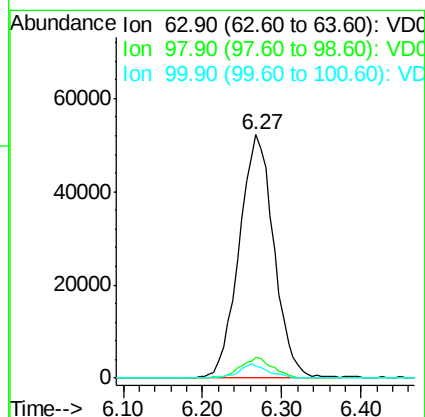
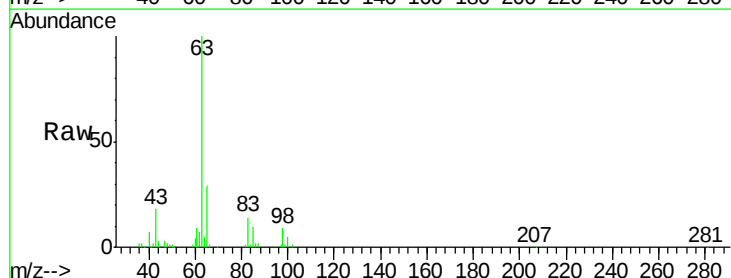
Tgt Ion: 63 Resp: 158852

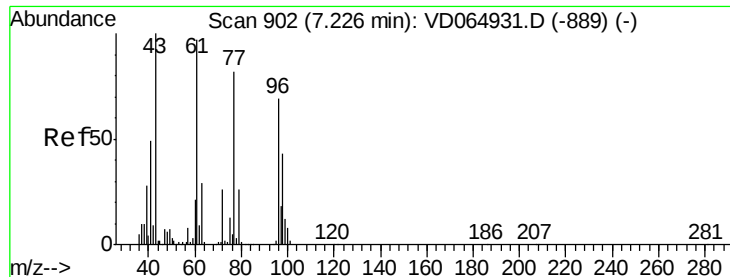
Ion Ratio Lower Upper

63 100

98 8.6 3.1 9.3

100 5.1 2.3 6.8





#25

2-Butanone

Concen: 102.55 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

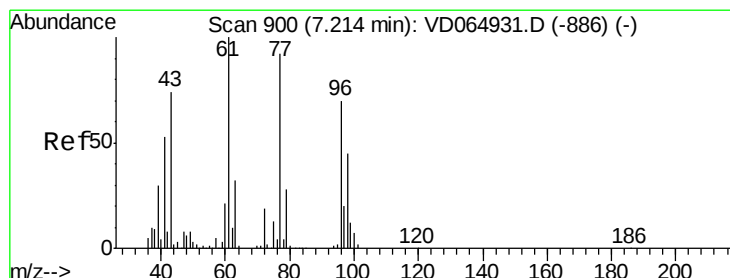
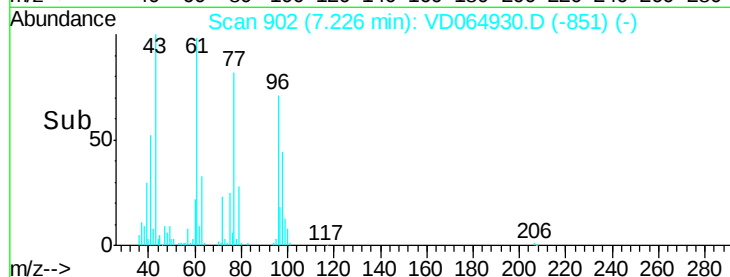
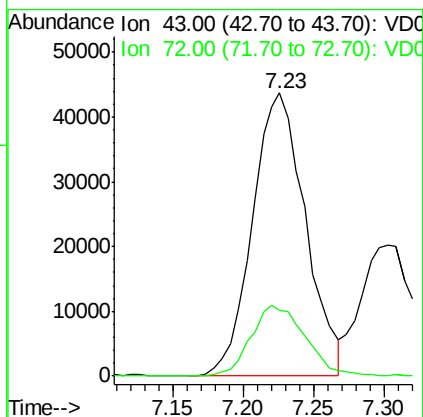
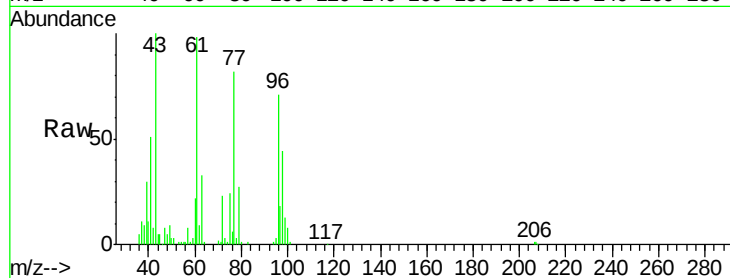
VSTDIC020

Tgt Ion: 43 Resp: 115058

Ion Ratio Lower Upper

43 100

72 23.2 20.6 31.0



#26

2,2-Dichloropropane

Concen: 20.46 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064930.D

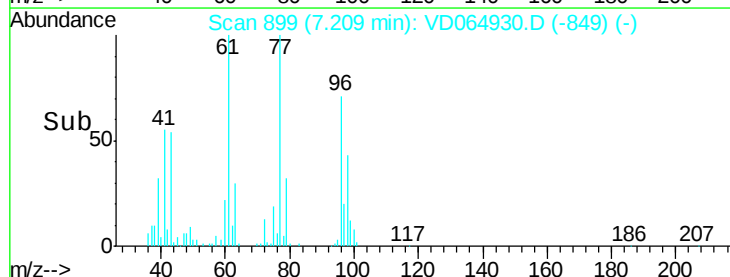
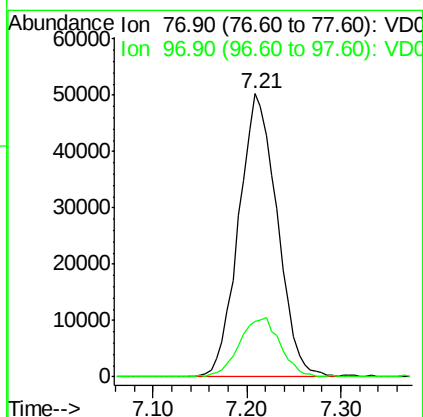
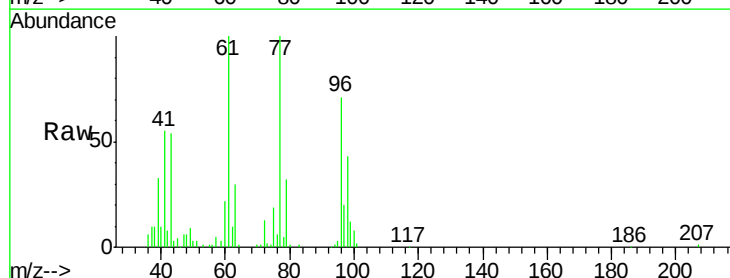
Acq: 23 Jan 2020 11:54

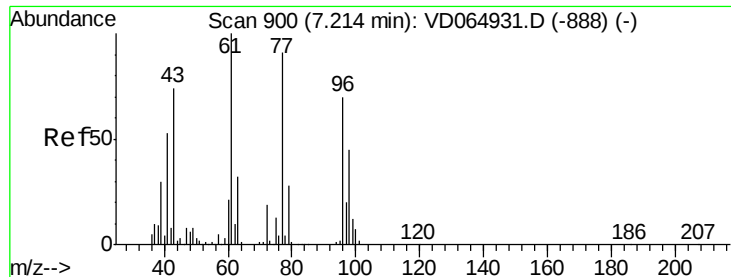
Tgt Ion: 77 Resp: 142619

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.28 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

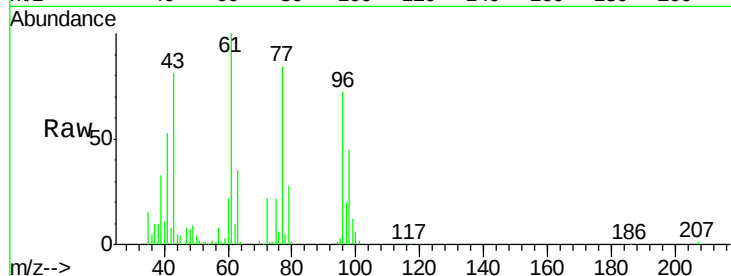
Tgt Ion: 96 Resp: 99629

Ion Ratio Lower Upper

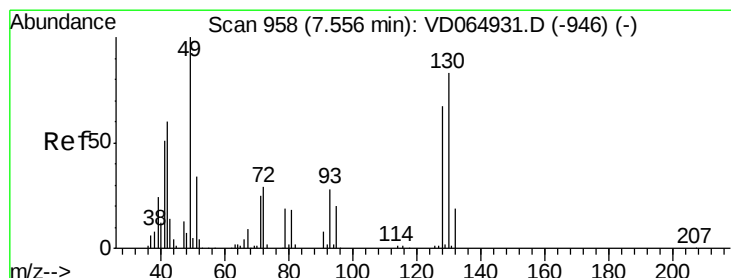
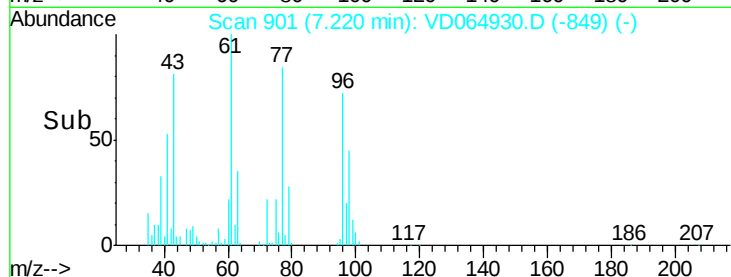
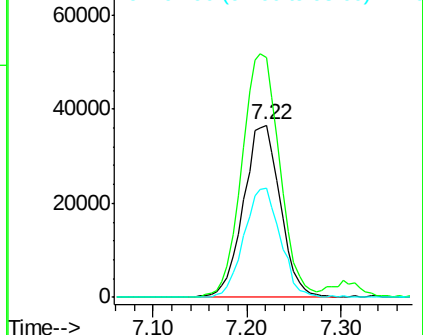
96 100

61 144.3 0.0 292.8

98 62.3 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: 17.73 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

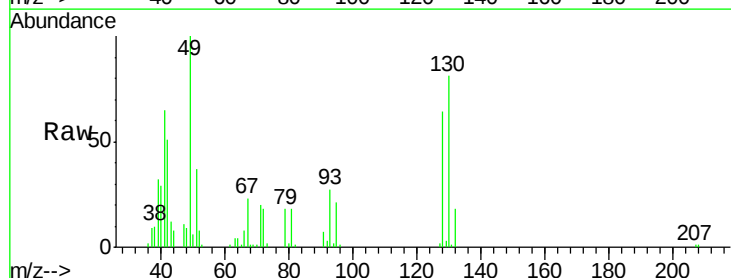
Tgt Ion: 49 Resp: 52684

Ion Ratio Lower Upper

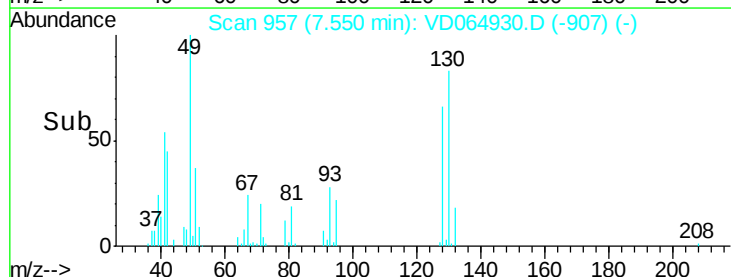
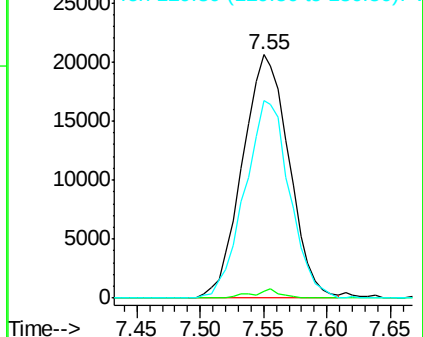
49 100

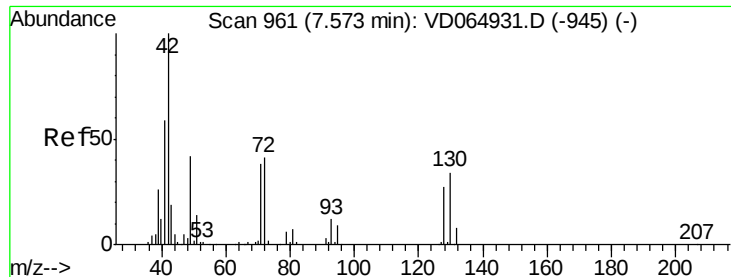
129 2.3 0.0 4.4

130 78.4 63.8 95.8



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

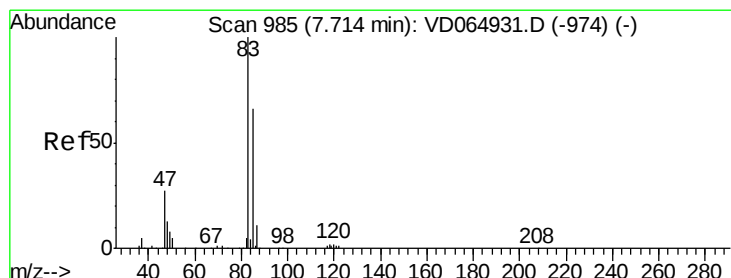
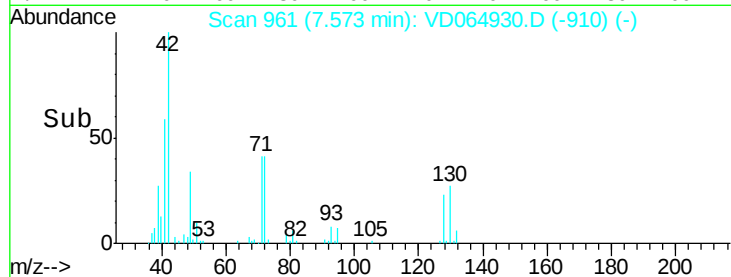
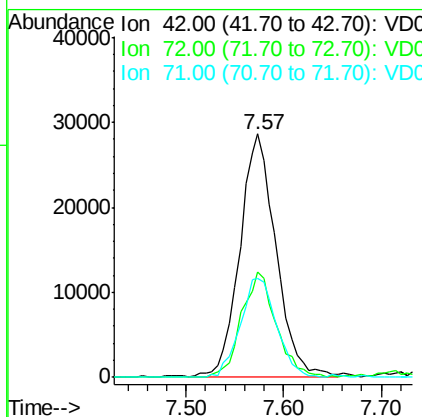
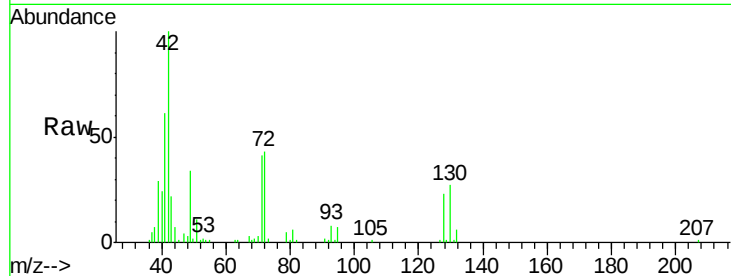




#29
Tetrahydrofuran
Concen: 107.45 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

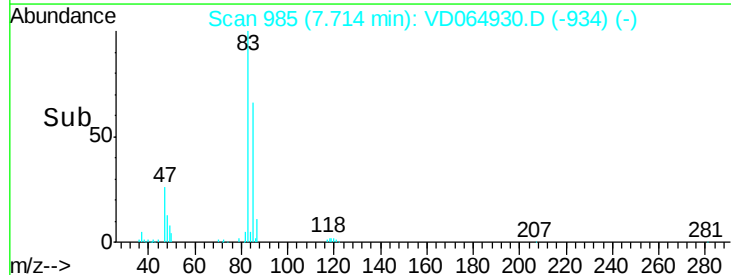
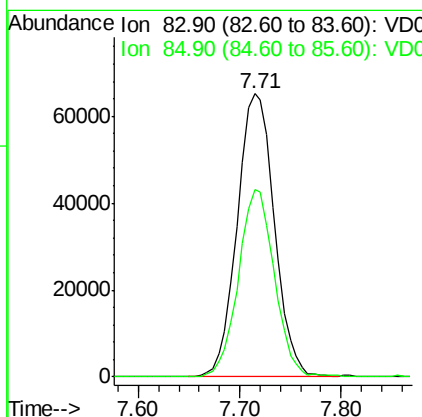
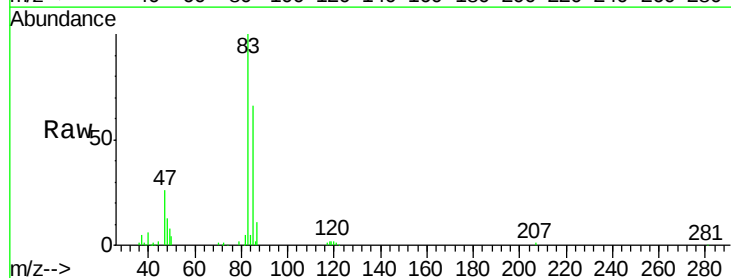
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

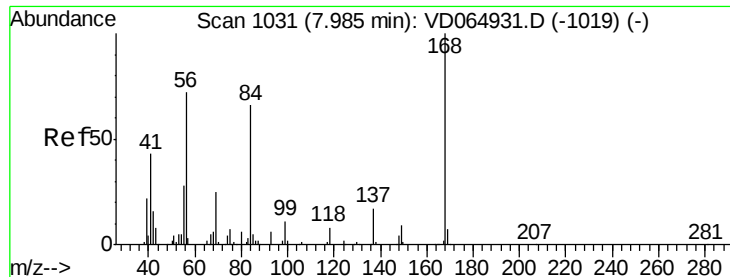
Tgt Ion: 42 Resp: 74408
Ion Ratio Lower Upper
42 100
72 41.3 34.0 51.0
71 40.7 31.5 47.3



#30
Chloroform
Concen: 21.03 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 83 Resp: 165642
Ion Ratio Lower Upper
83 100
85 66.1 52.4 78.6

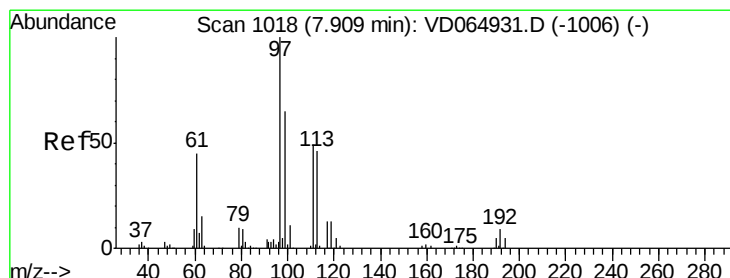
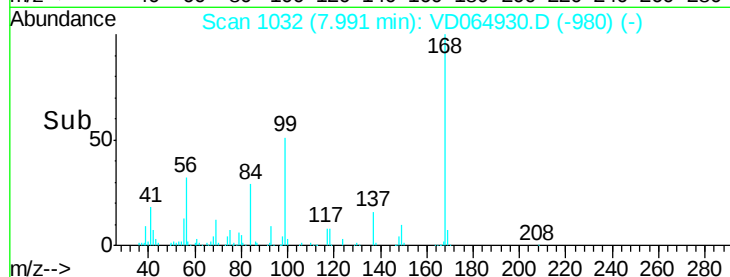
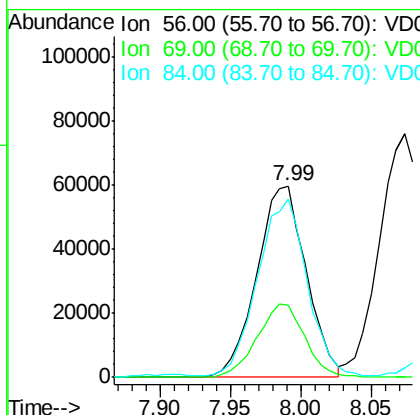
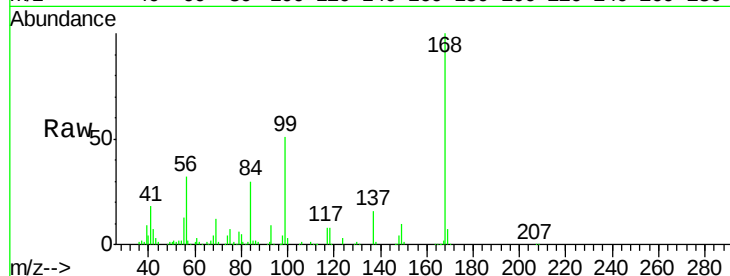




#31
Cyclohexane
Concen: 19.50 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

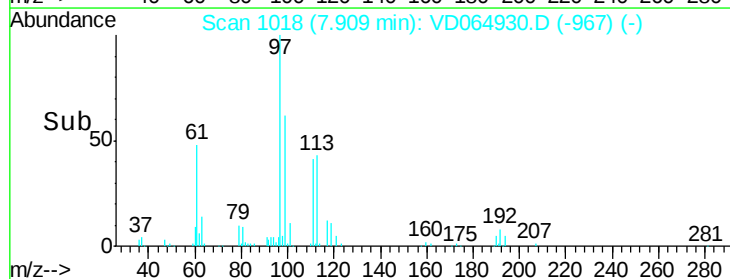
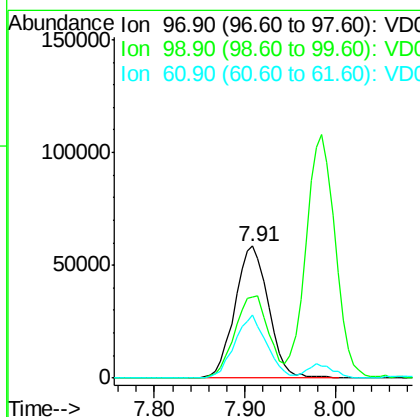
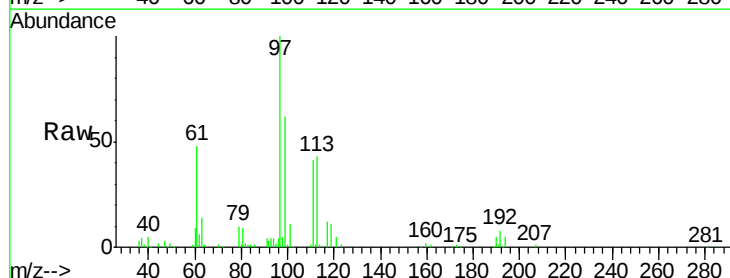
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

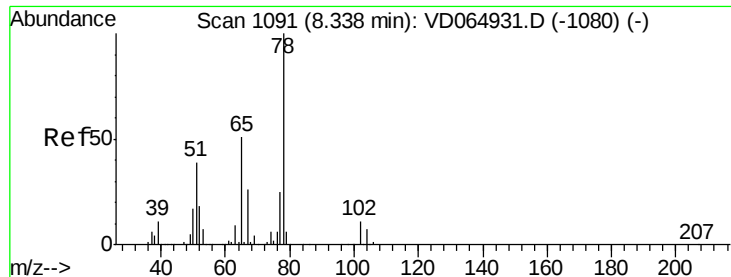
Tgt Ion: 56 Resp: 146912
Ion Ratio Lower Upper
56 100
69 37.8 27.9 41.9
84 91.8 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 20.36 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 97 Resp: 150625
Ion Ratio Lower Upper
97 100
99 63.4 50.6 76.0
61 45.3 35.7 53.5

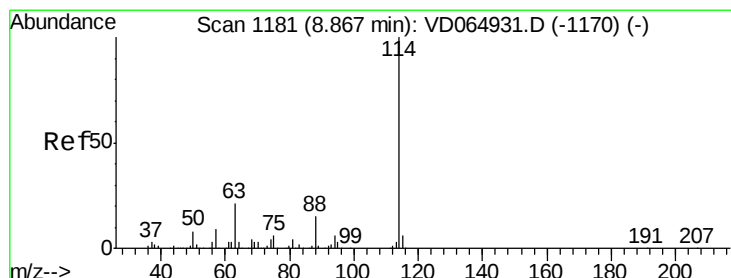
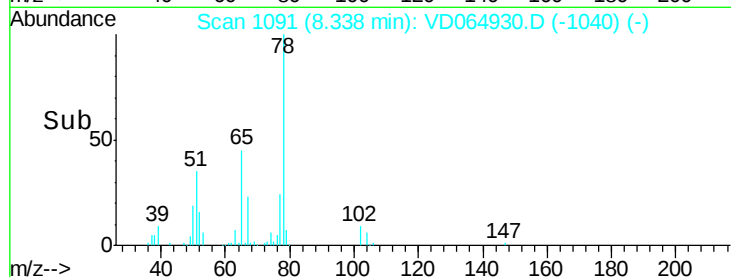
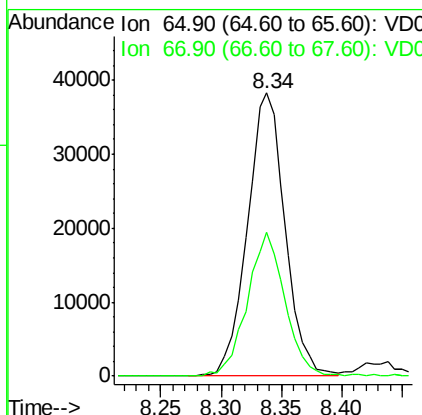
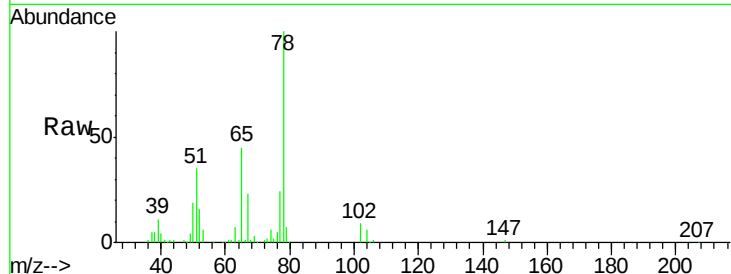




#33
 1,2-Dichloroethane-d4
 Concen: 20.22 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

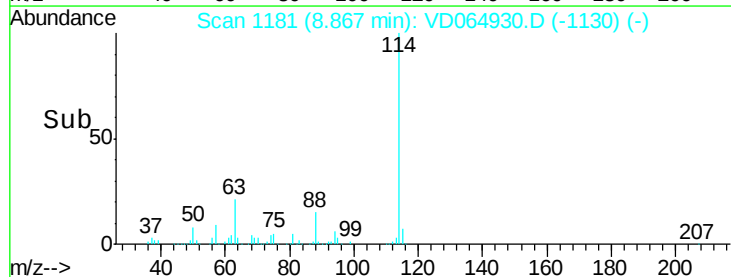
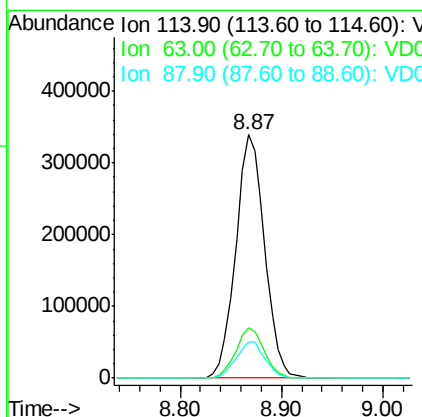
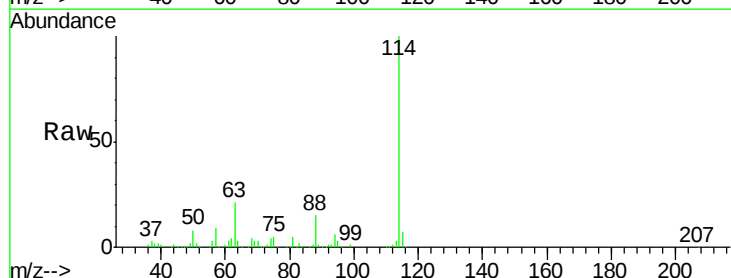
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 65 Resp: 83134
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 114 Resp: 671052
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.0
 88 14.9 0.0 29.4

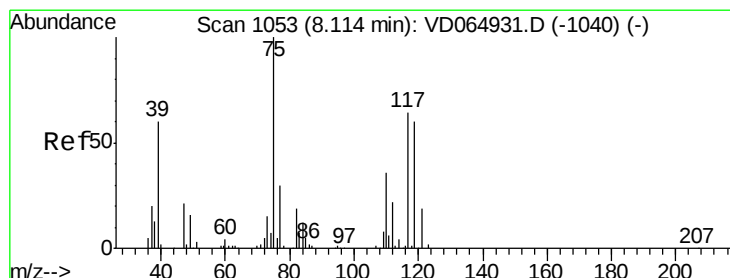
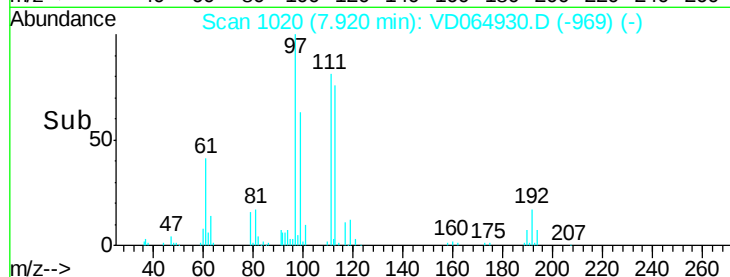
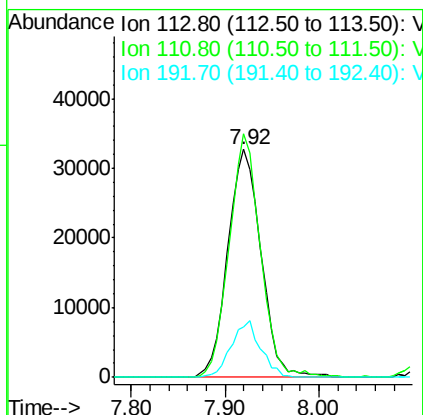
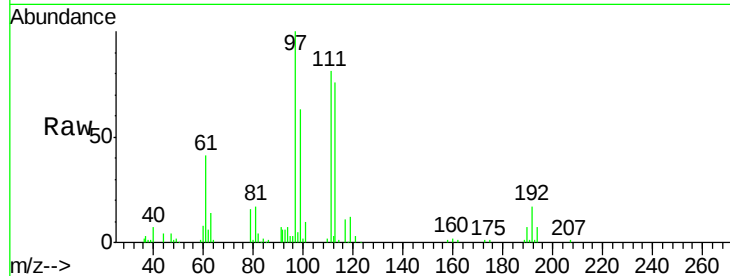




#35
 Dibromofluoromethane
 Concen: 19.39 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

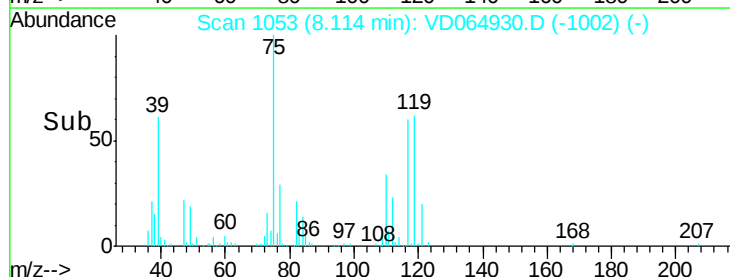
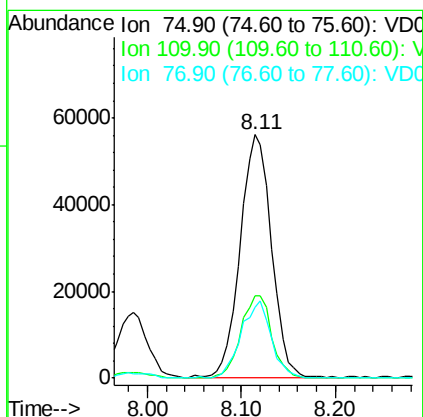
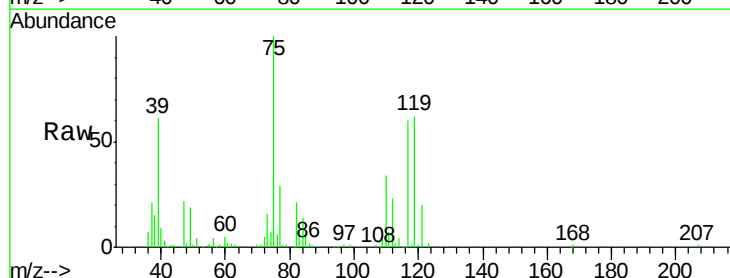
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

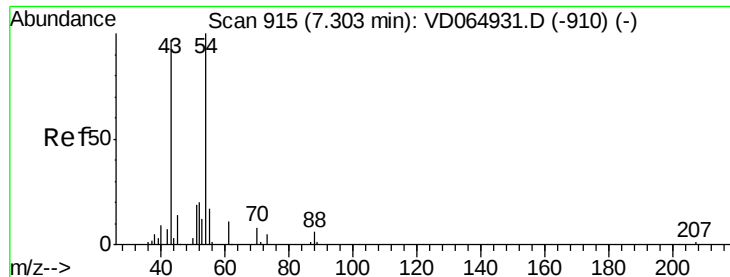
Tgt Ion: 113 Resp: 80382
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.4 123.6
 192 21.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 20.12 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 75 Resp: 130012
 Ion Ratio Lower Upper
 75 100
 110 33.1 17.3 52.0
 77 30.5 24.7 37.1

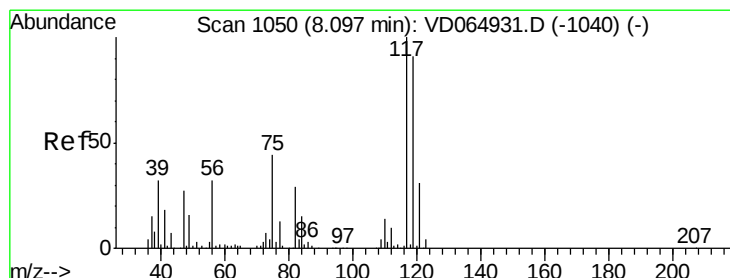
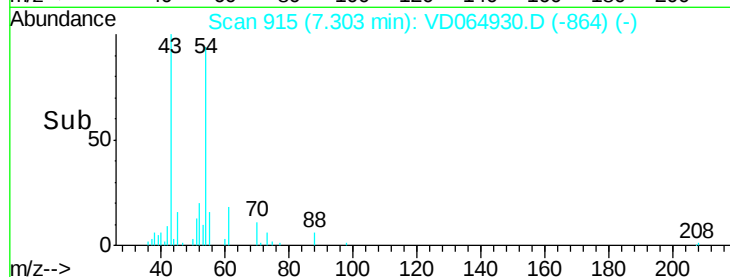
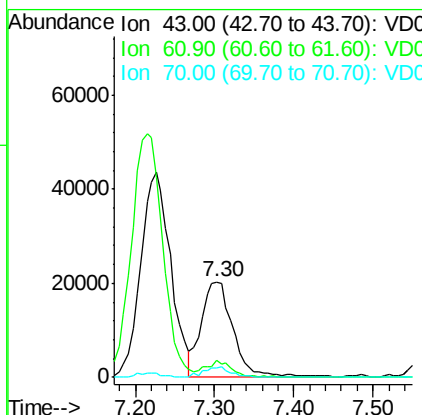
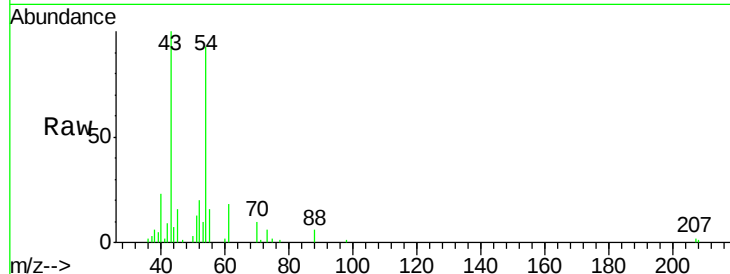




#37
 Ethyl Acetate
 Concen: 22.65 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

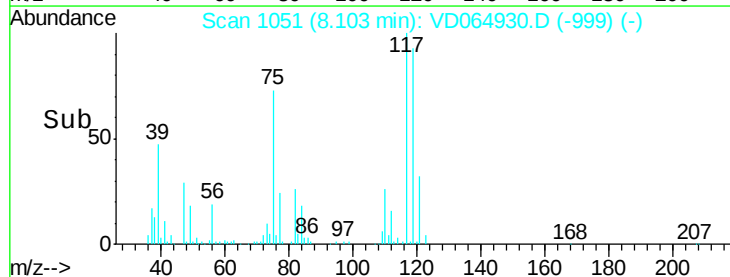
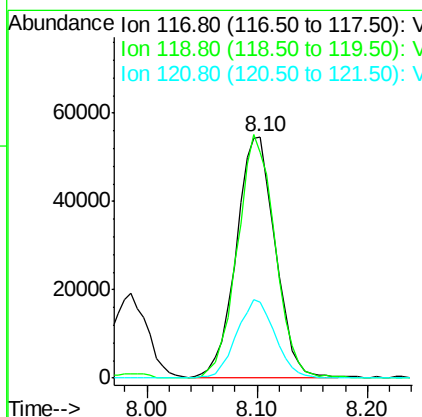
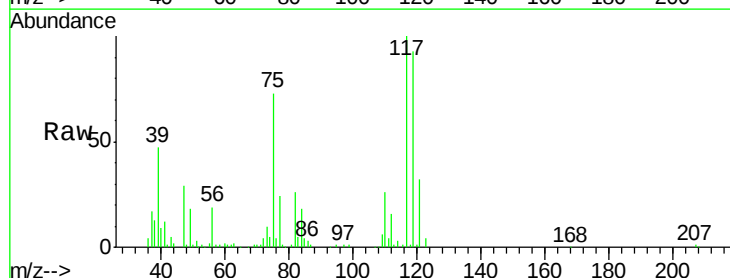
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

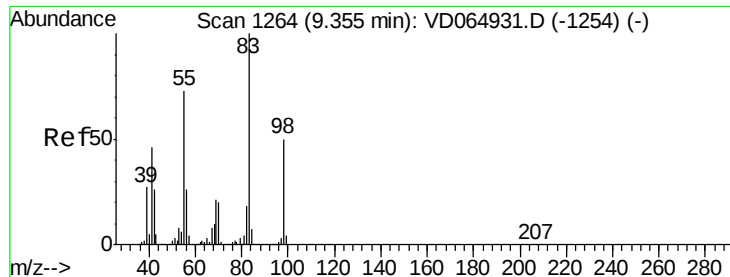
Tgt Ion: 43 Resp: 57065
 Ion Ratio Lower Upper
 43 100
 61 12.7 11.0 16.4
 70 9.2 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 19.68 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 117 Resp: 135184
 Ion Ratio Lower Upper
 117 100
 119 93.7 73.2 109.8
 121 31.6 24.4 36.6

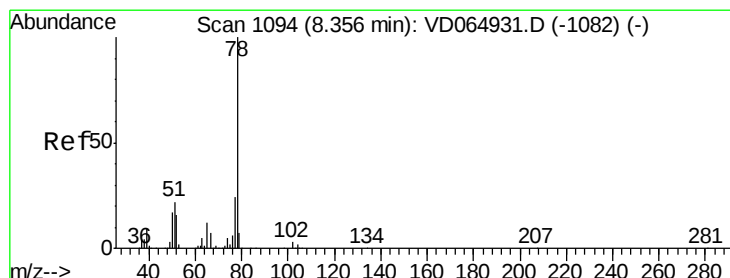
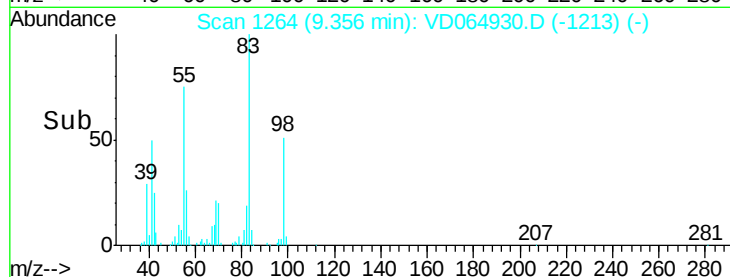
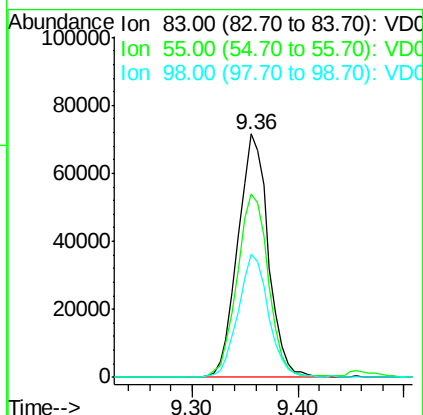
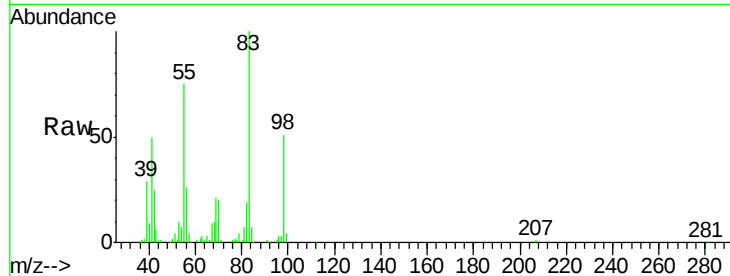




#39
Methylcyclohexane
Concen: 18.43 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

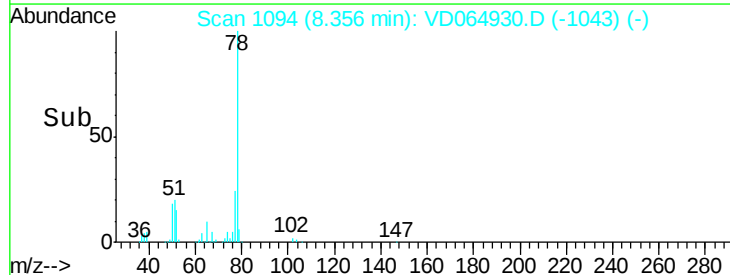
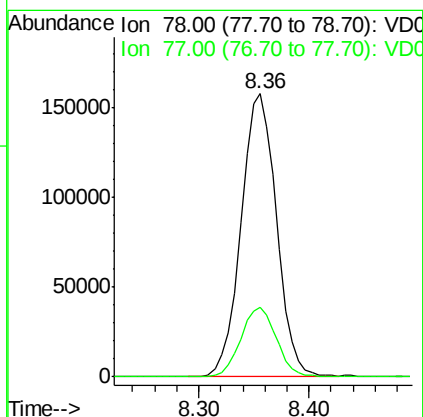
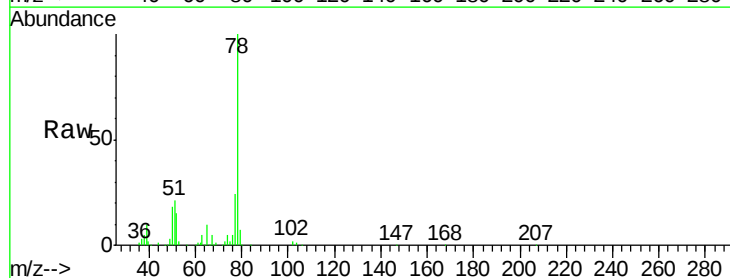
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

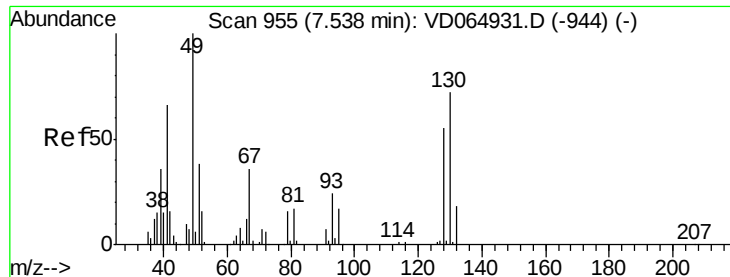
Tgt Ion: 83 Resp: 143433
Ion Ratio Lower Upper
83 100
55 75.3 58.7 88.1
98 50.7 40.2 60.2



#40
Benzene
Concen: 20.18 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 78 Resp: 356143
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 52.19 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.04 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 77076

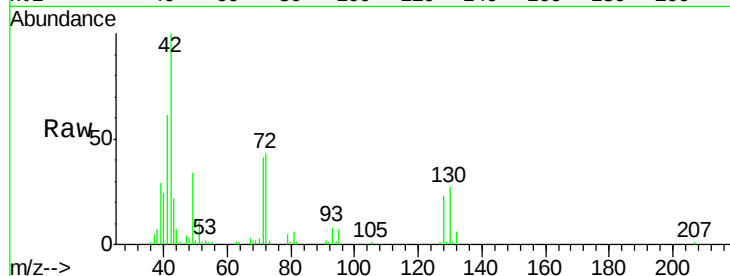
Ion Ratio Lower Upper

41 100

39 24.5 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

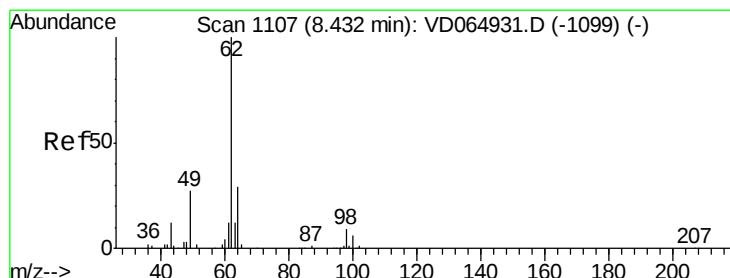
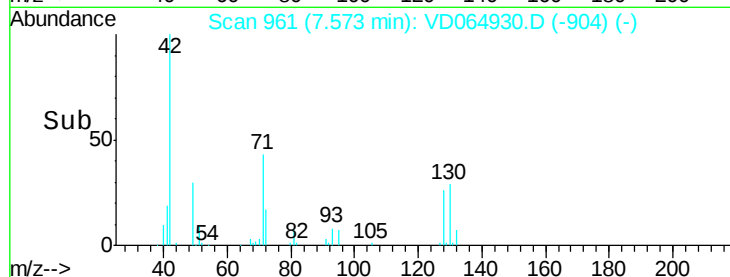
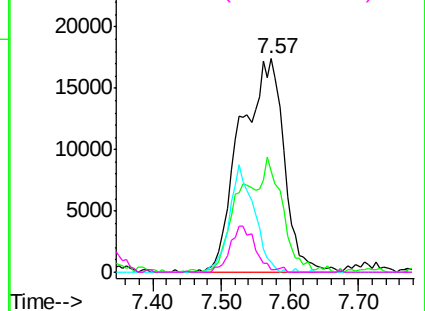


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.99 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064930.D

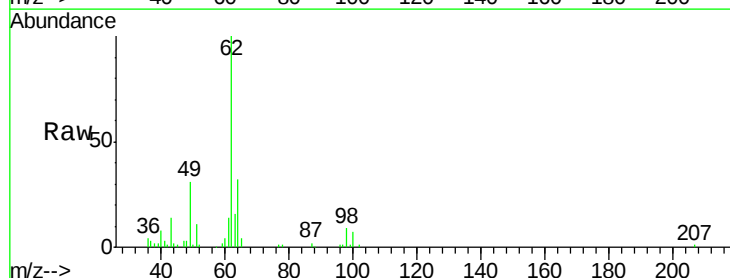
Acq: 23 Jan 2020 11:54

Tgt Ion: 62 Resp: 107499

Ion Ratio Lower Upper

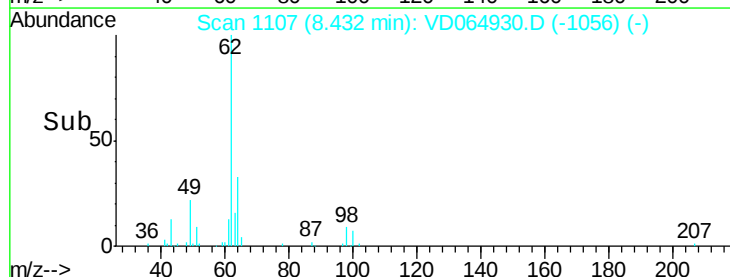
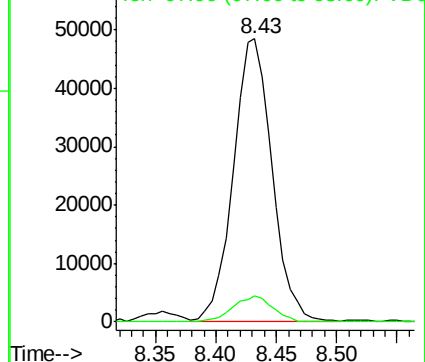
62 100

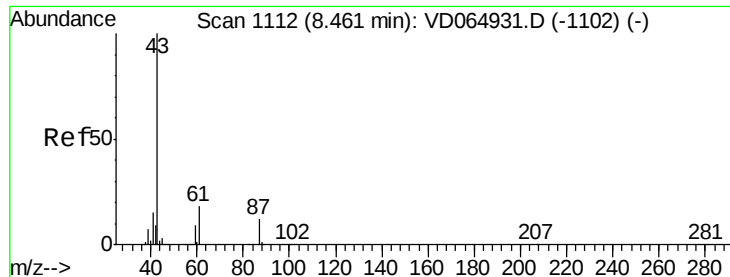
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.35 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

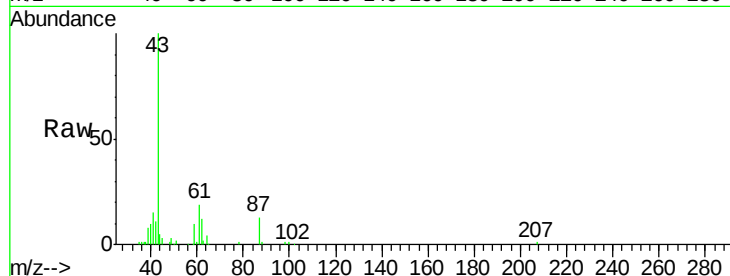
Tgt Ion: 43 Resp: 102167

Ion Ratio Lower Upper

43 100

61 30.3 23.8 35.6

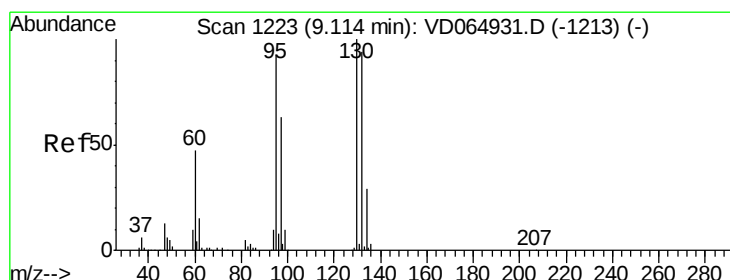
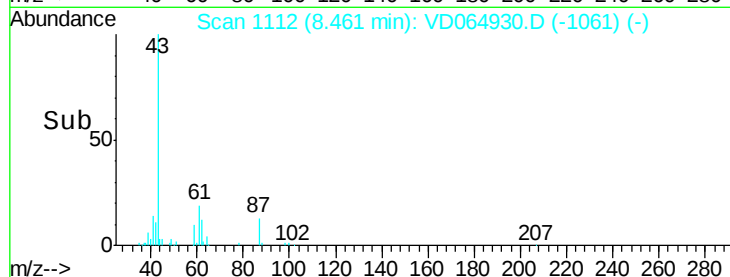
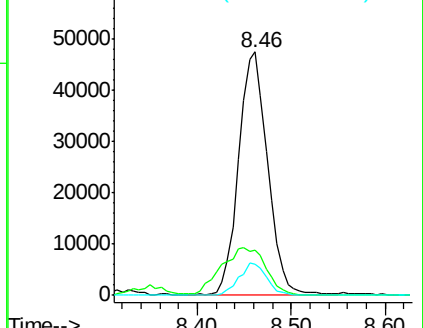
87 12.3 10.3 15.5



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: 20.00 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064930.D

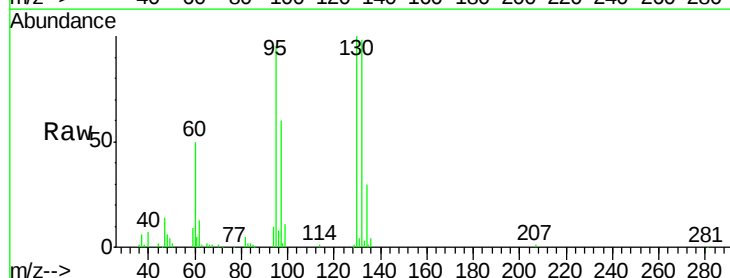
Acq: 23 Jan 2020 11:54

Tgt Ion: 130 Resp: 102653

Ion Ratio Lower Upper

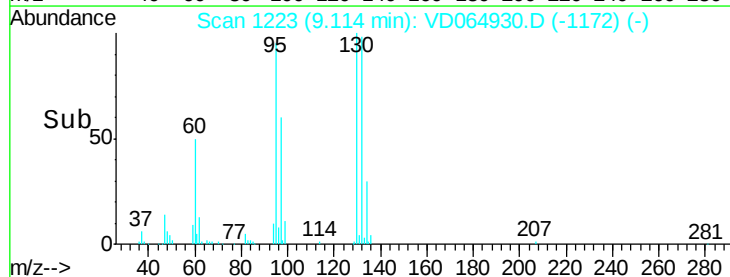
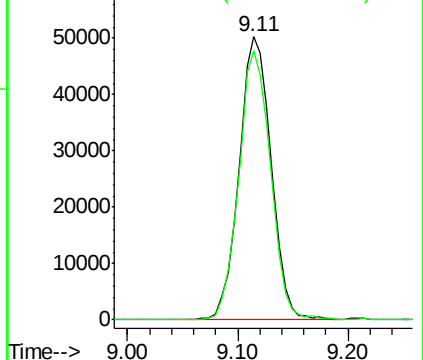
130 100

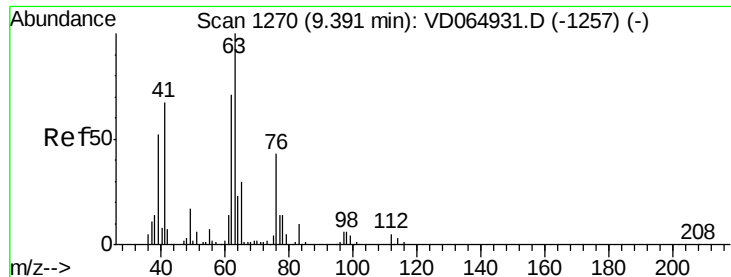
95 95.0 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

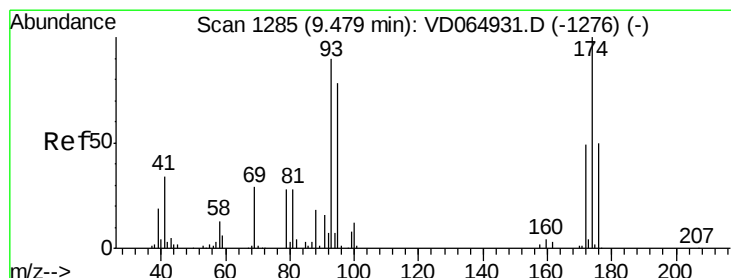
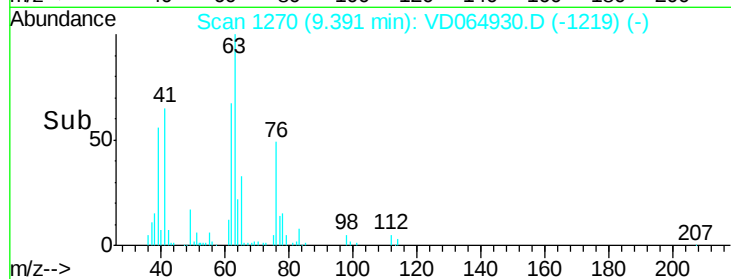
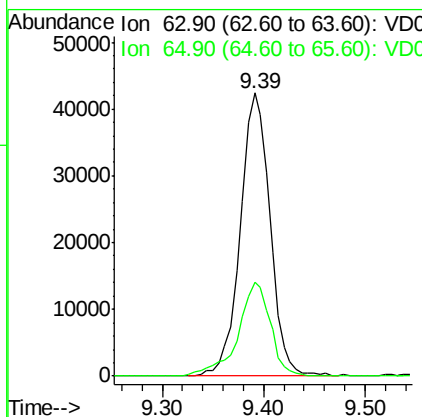
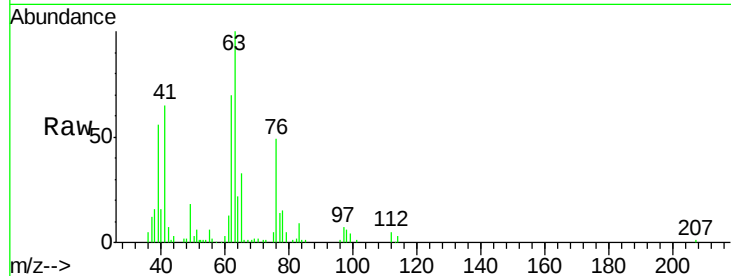




#45
 1,2-Dichloropropane
 Concen: 20.57 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

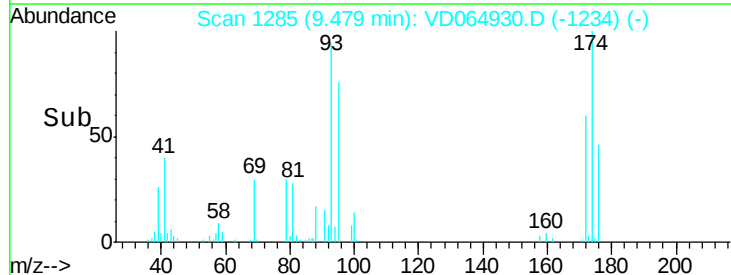
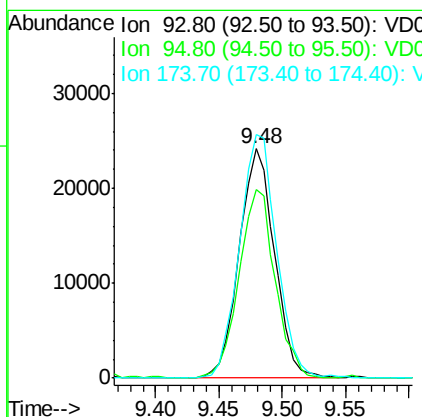
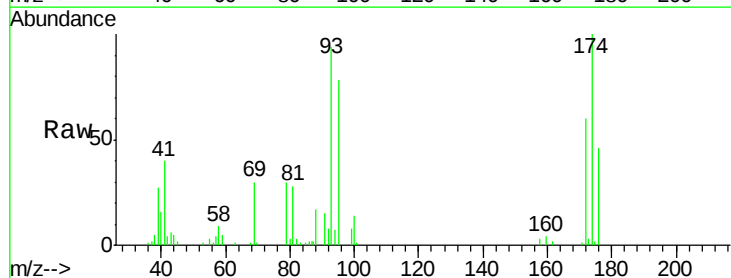
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

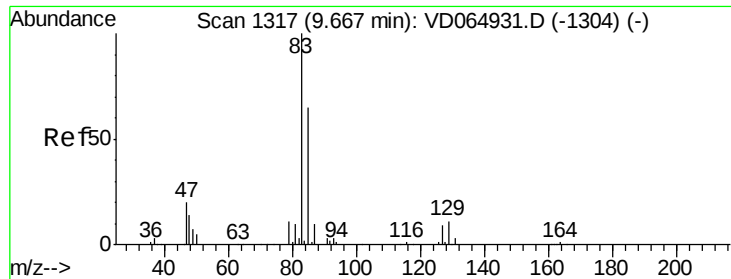
Tgt Ion: 63 Resp: 86518
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.3 36.5



#46
 Dibromomethane
 Concen: 20.14 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 93 Resp: 46856
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.5 101.3
 174 111.9 88.4 132.6

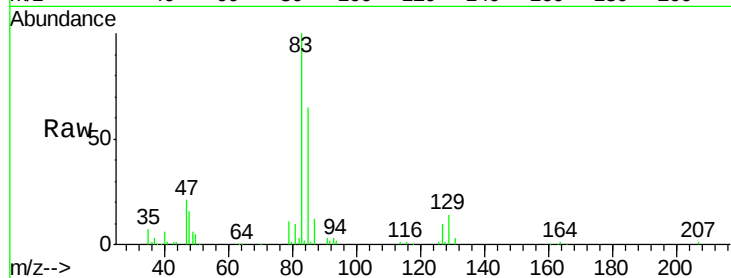




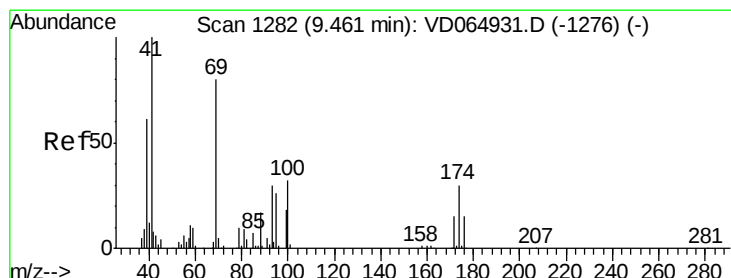
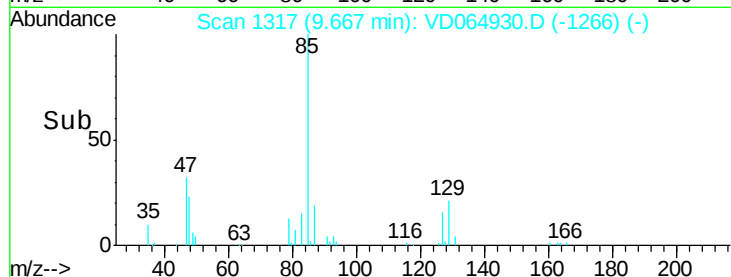
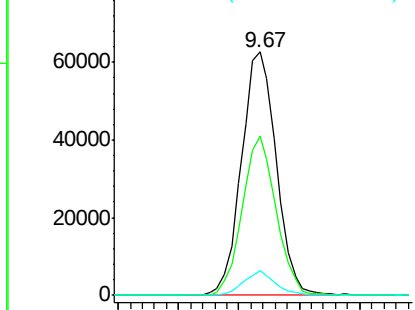
#47
 Bromodichloromethane
 Concen: 20.31 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 83 Resp: 125969
 Ion Ratio Lower Upper
 83 100
 85 65.3 52.0 78.0
 127 10.3 7.3 10.9

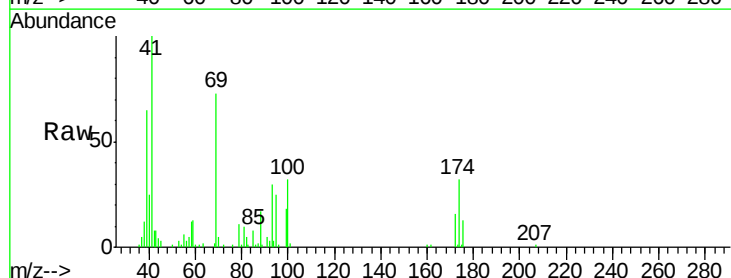


Abundance Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 126.80 (126.50 to 127.50): V

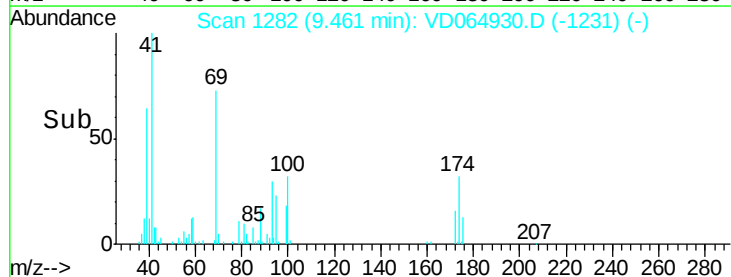
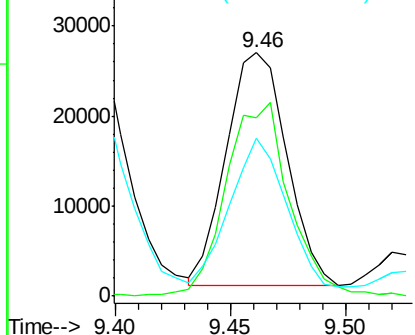


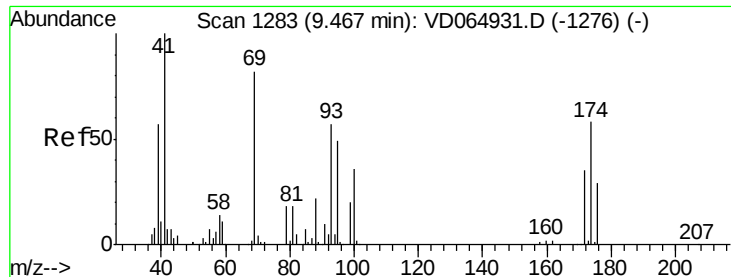
#48
 Methyl methacrylate
 Concen: 20.05 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 41 Resp: 47098
 Ion Ratio Lower Upper
 41 100
 69 87.5 65.8 98.8
 39 66.2 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

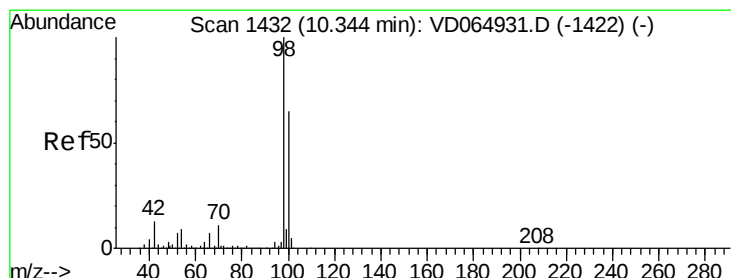
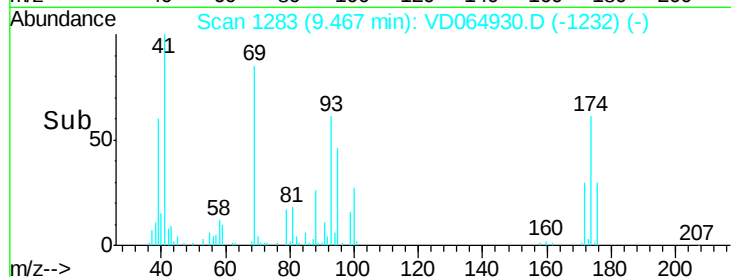
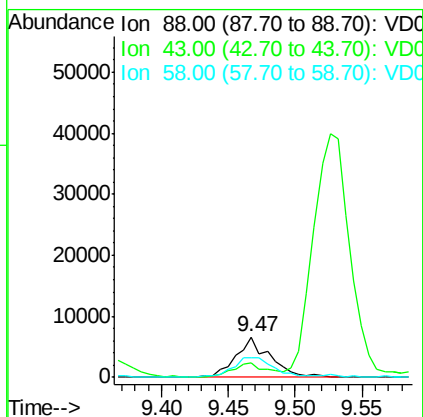
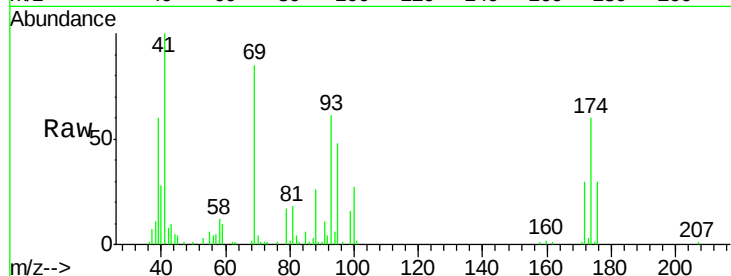




#49
1,4-Dioxane
Concen: 433.56 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

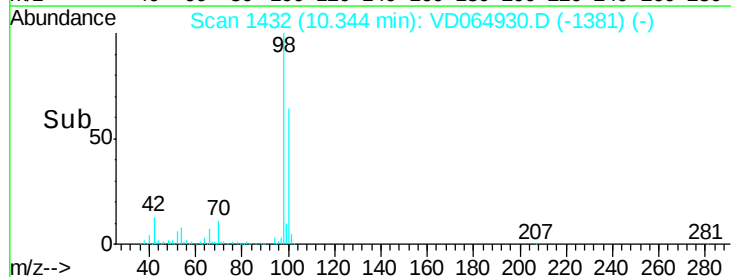
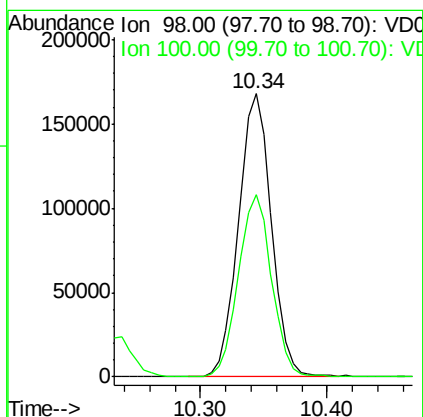
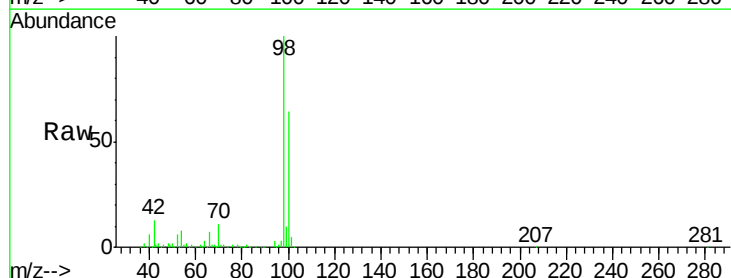
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

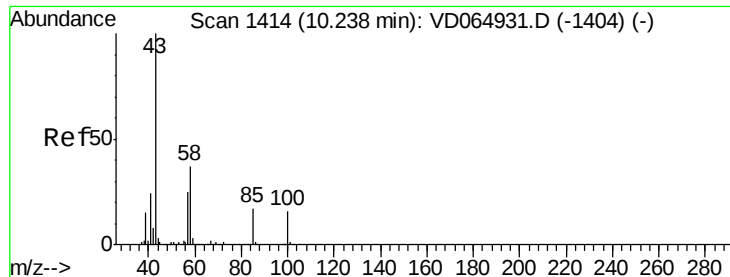
Tgt Ion: 88 Resp: 11816
Ion Ratio Lower Upper
88 100
43 37.3 26.2 39.4
58 57.7 50.3 75.5



#50
Toluene-d8
Concen: 18.89 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 98 Resp: 301825
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

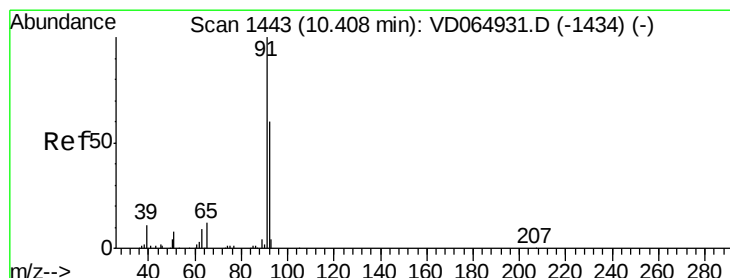
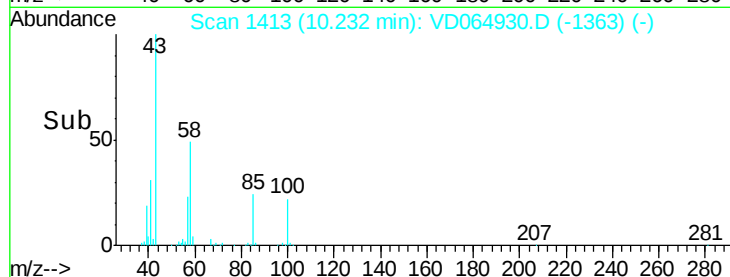
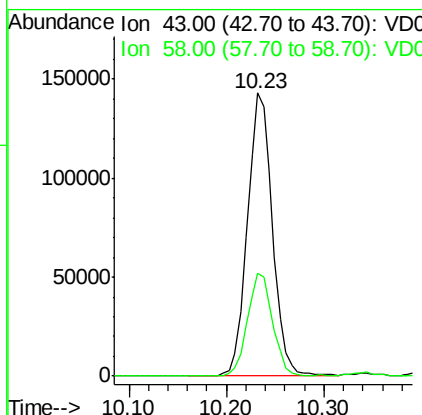
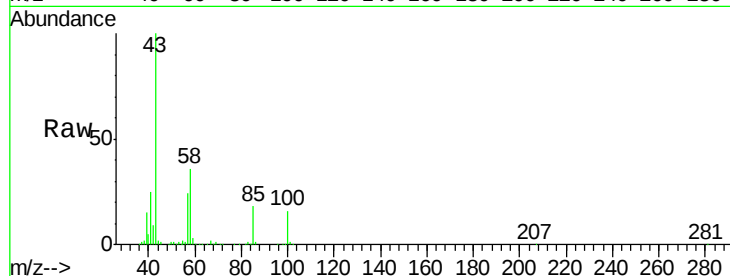




#51
 4-Methyl-2-Pentanone
 Concen: 103.23 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

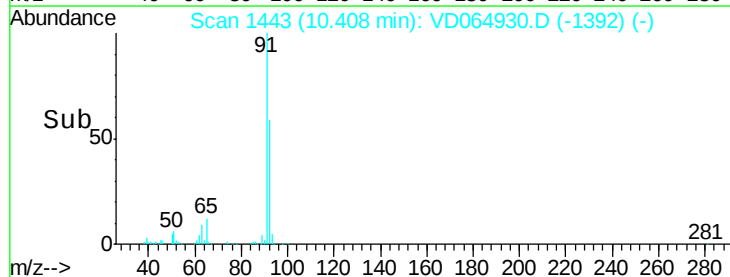
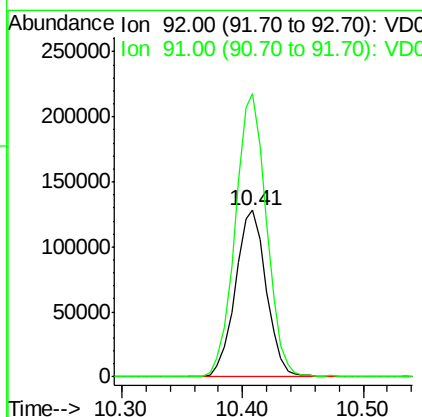
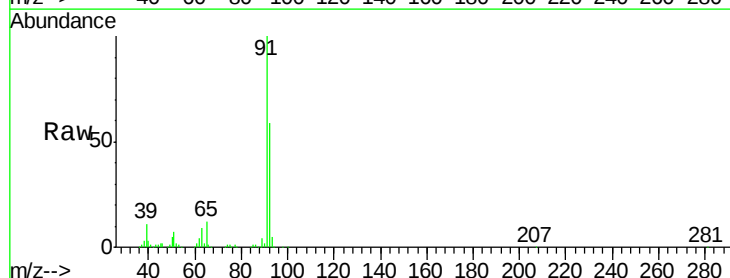
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

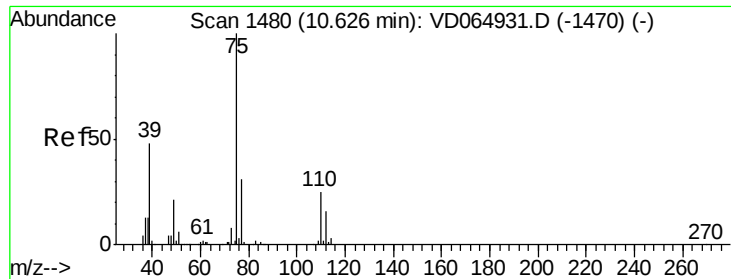
Tgt Ion: 43 Resp: 258001
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.4 45.6



#52
 Toluene
 Concen: 19.92 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 92 Resp: 229669
 Ion Ratio Lower Upper
 92 100
 91 171.9 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 20.51 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

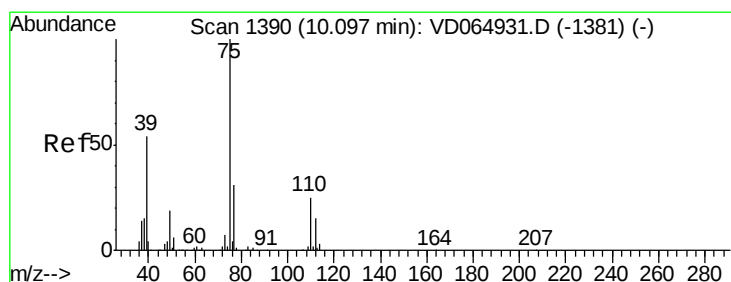
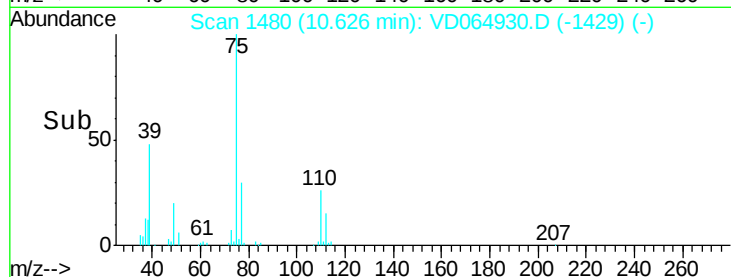
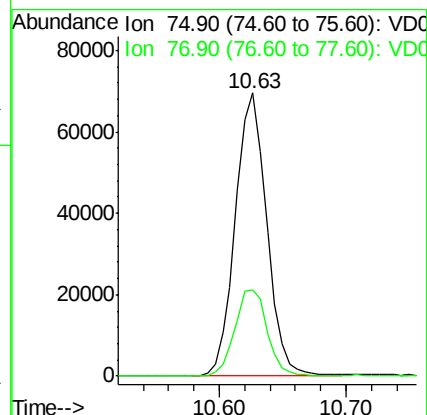
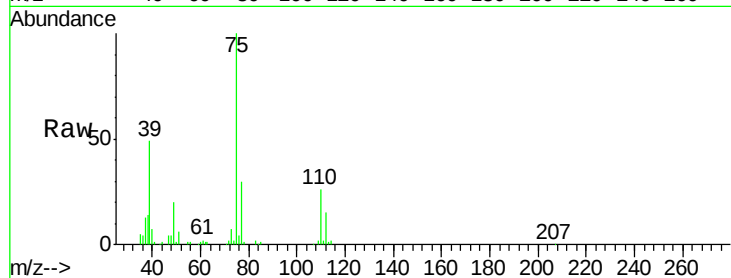
VSTDIC020

Tgt Ion: 75 Resp: 119259

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.25 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

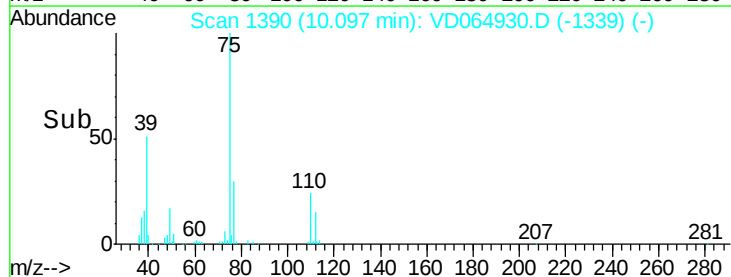
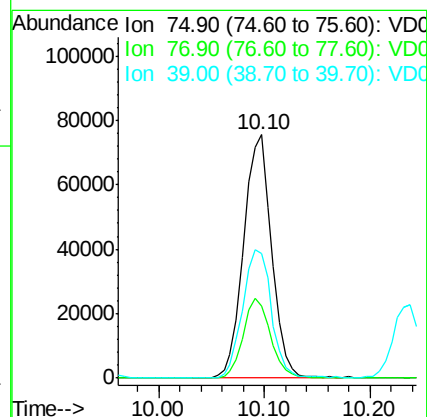
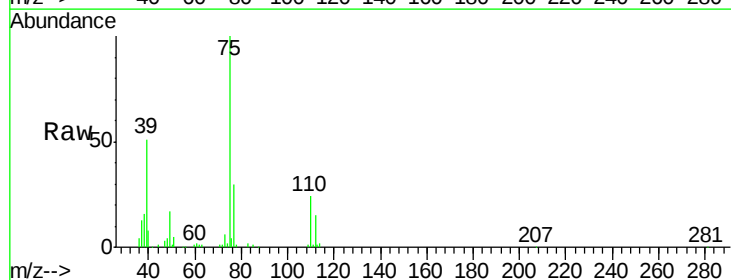
Tgt Ion: 75 Resp: 138432

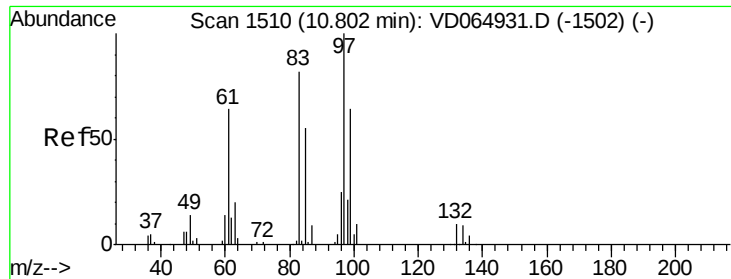
Ion Ratio Lower Upper

75 100

77 29.7 25.1 37.7

39 51.4 43.0 64.6

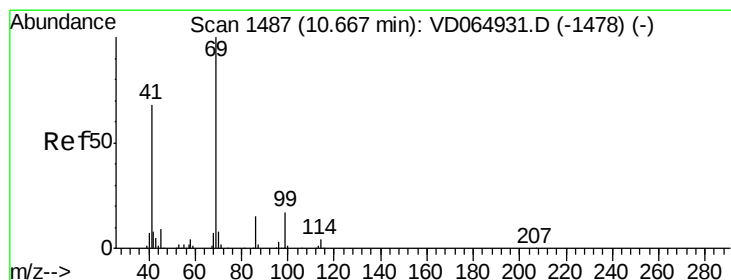
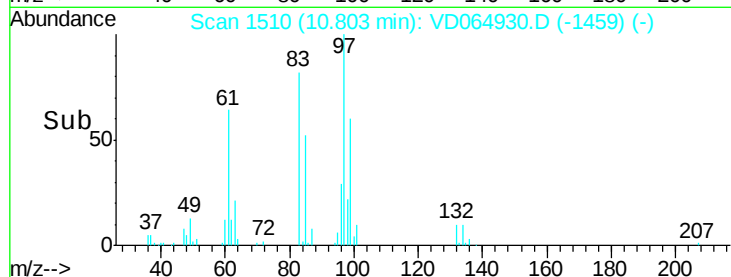
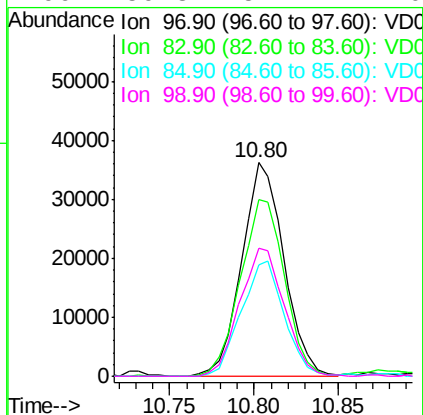
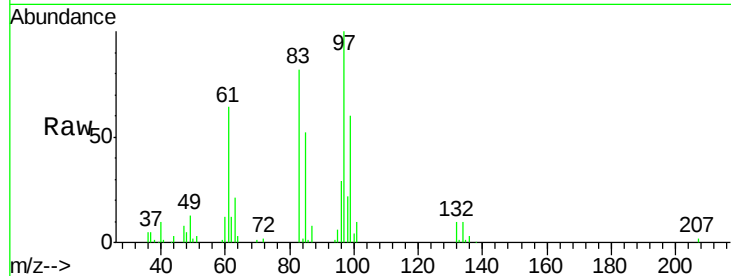




#55
 1,1,2-Trichloroethane
 Concen: 19.92 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

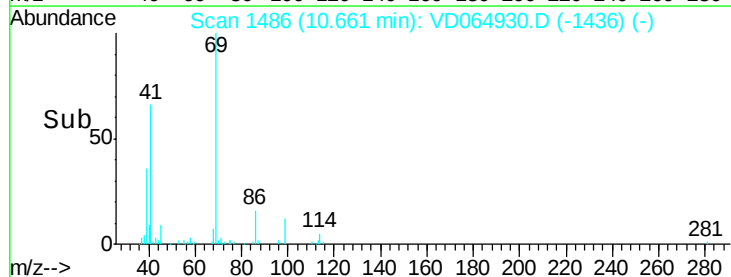
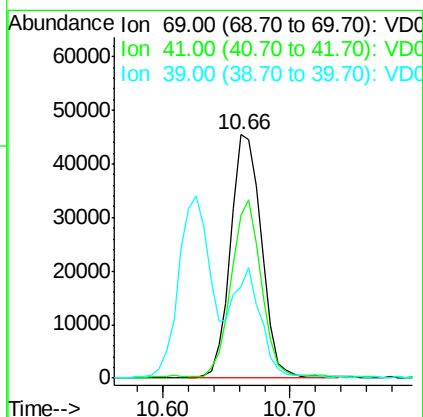
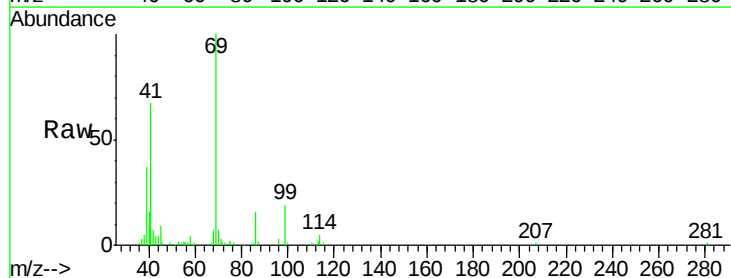
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

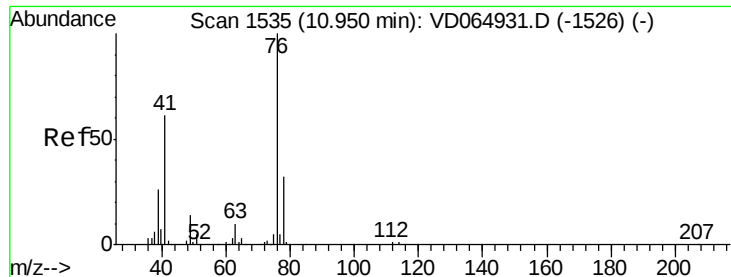
Tgt Ion:	97	Resp:	62866
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.0	99.0
85	52.3	44.4	66.6
99	59.8	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 19.57 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:	69	Resp:	76942
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.4	84.6
39	39.1	30.6	46.0

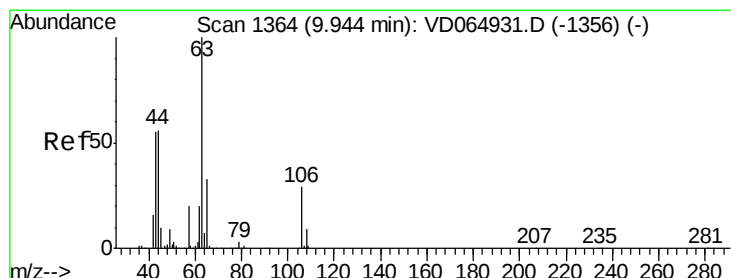
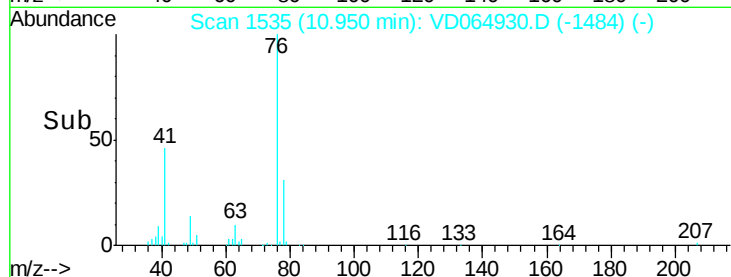
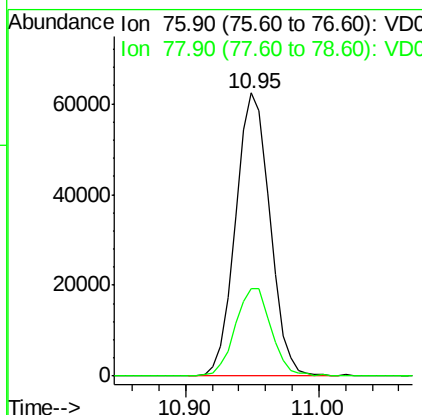
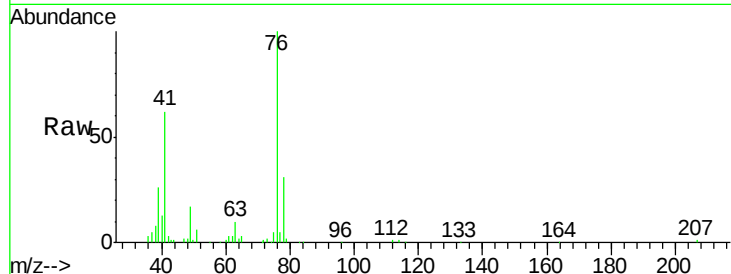




#57
 1,3-Dichloropropane
 Concen: 20.43 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

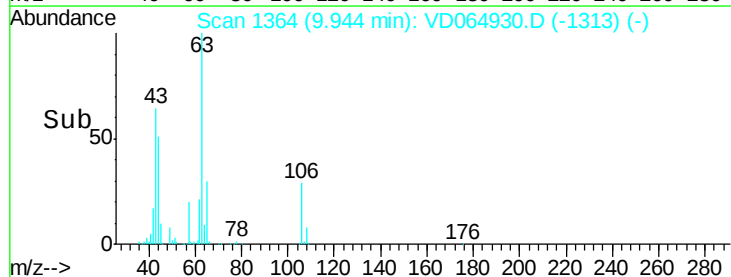
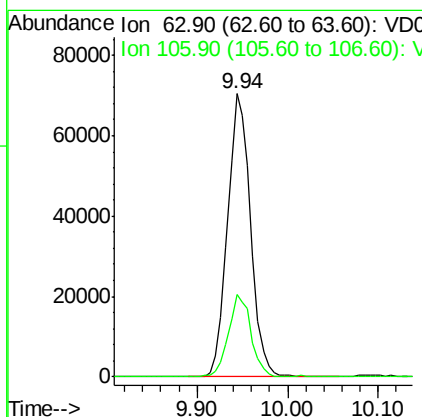
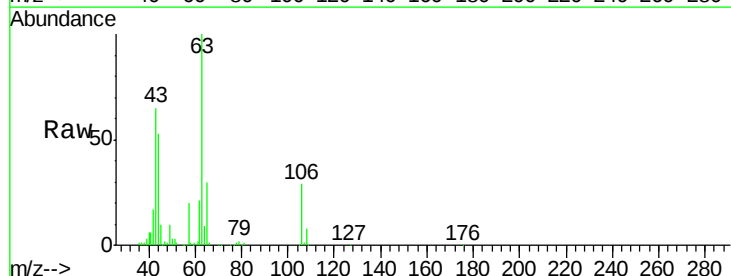
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

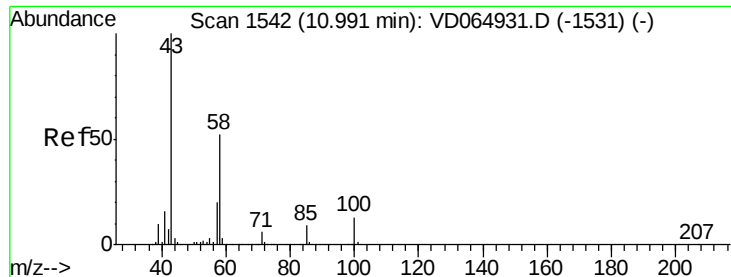
Tgt Ion: 76 Resp: 111062
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.46 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 63 Resp: 124473
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.0 34.4

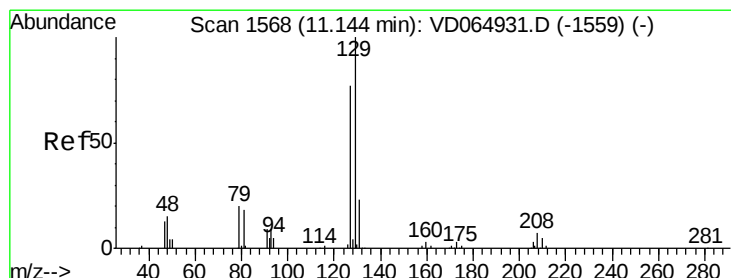
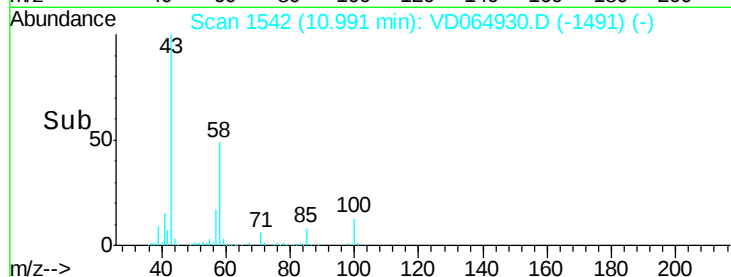
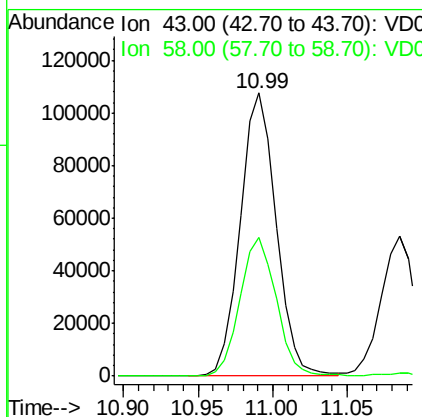
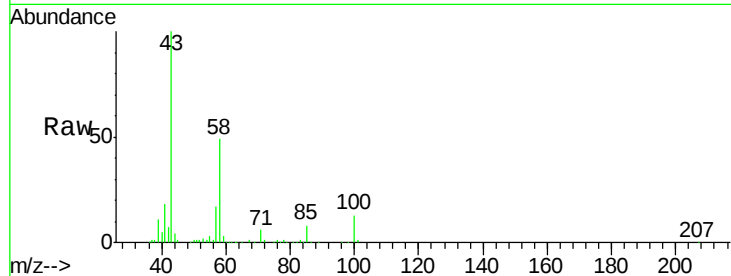




#59
2-Hexanone
Concen: 105.51 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

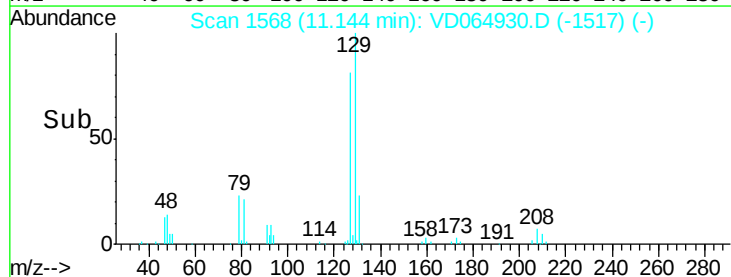
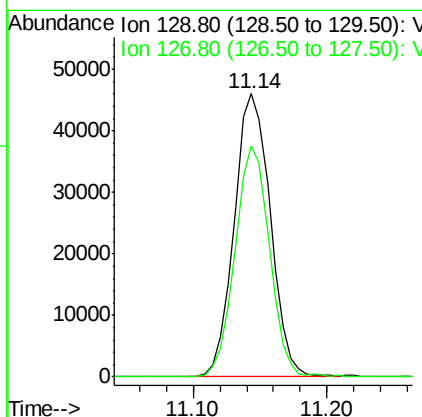
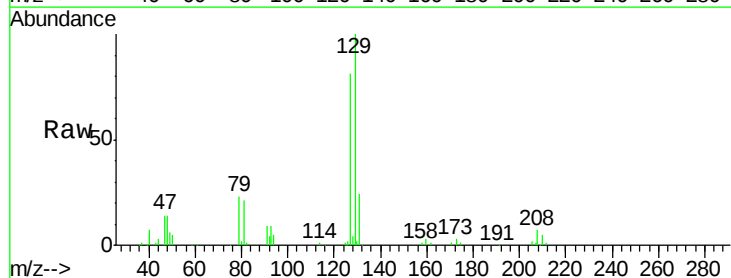
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

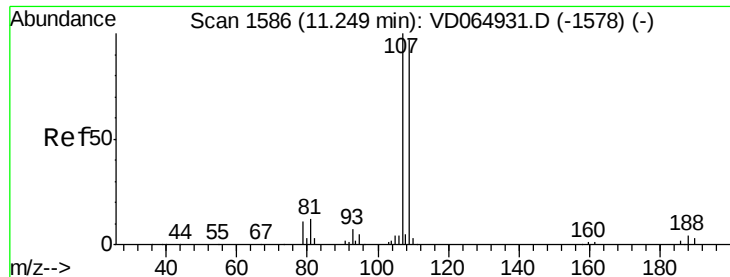
Tgt Ion: 43 Resp: 179405
Ion Ratio Lower Upper
43 100
58 49.7 26.5 79.4



#60
Dibromochloromethane
Concen: 19.87 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion: 129 Resp: 86136
Ion Ratio Lower Upper
129 100
127 77.9 38.2 114.6

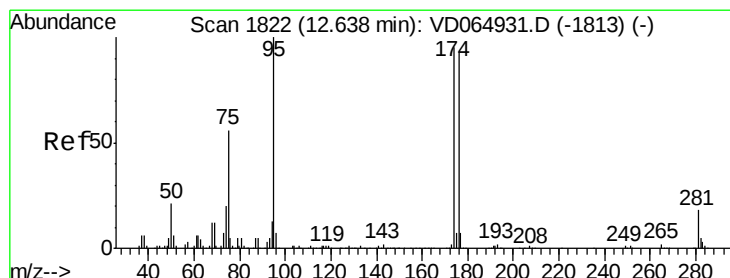
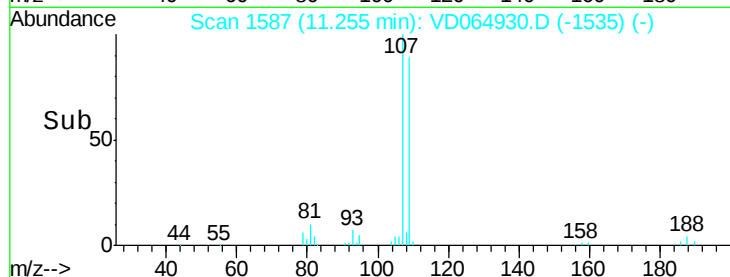
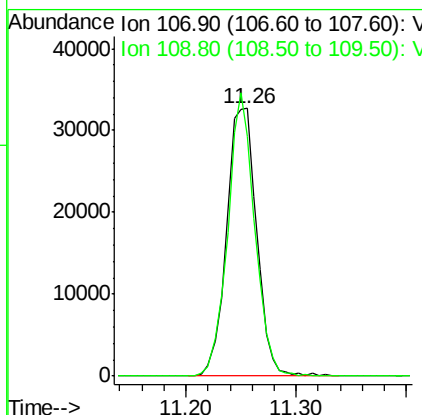
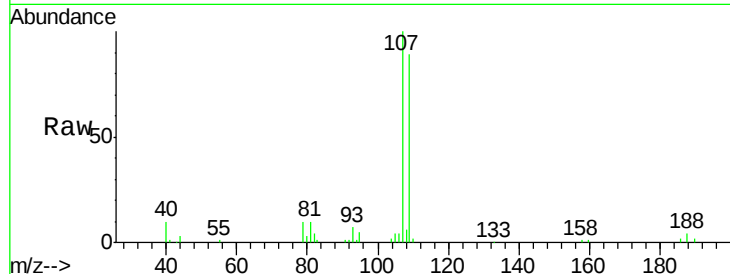




#61
 1,2-Dibromoethane
 Concen: 20.20 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

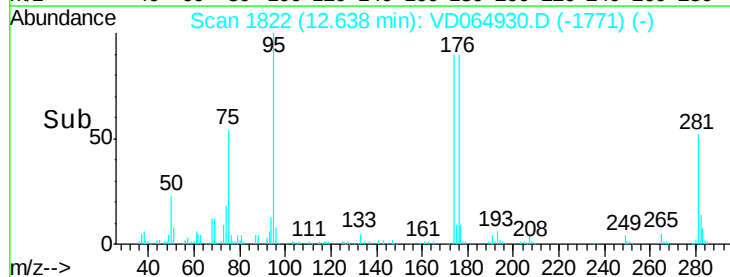
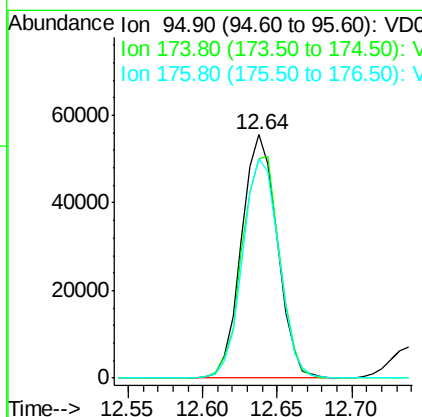
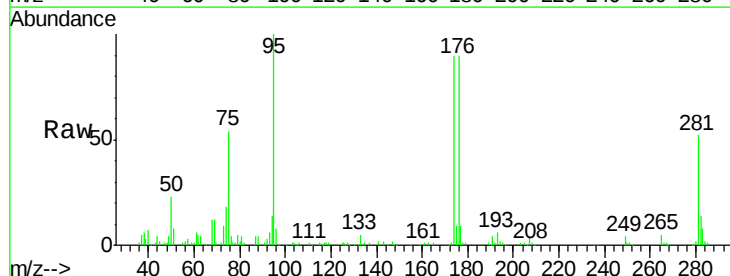
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

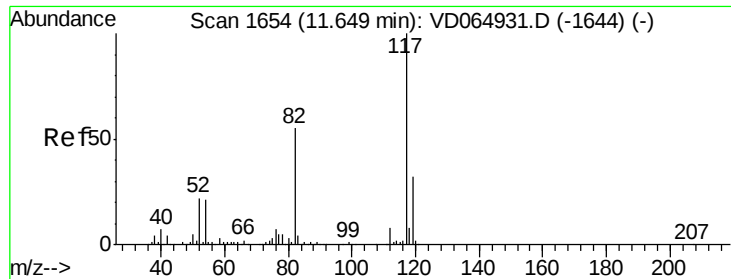
Tgt Ion: 107 Resp: 62513
 Ion Ratio Lower Upper
 107 100
 109 94.3 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 18.44 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 95 Resp: 92099
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 186.8
 176 91.4 0.0 183.4

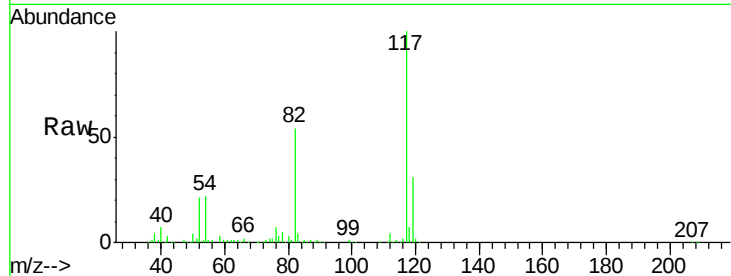




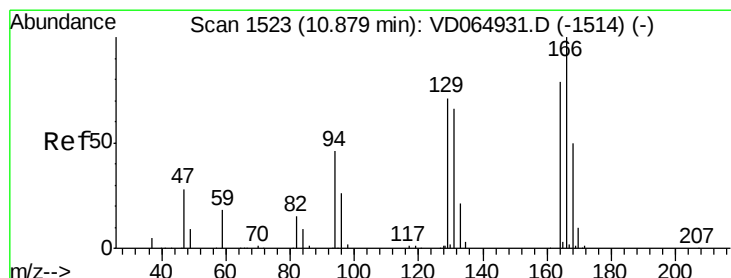
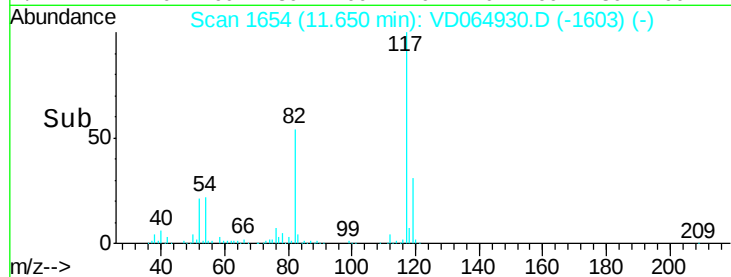
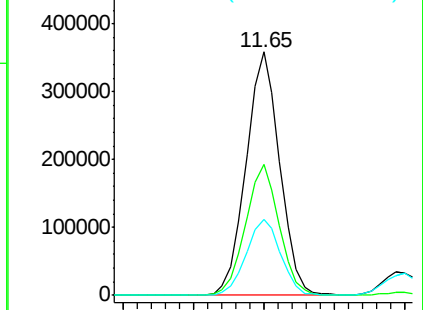
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 598167
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.4 25.2 37.8

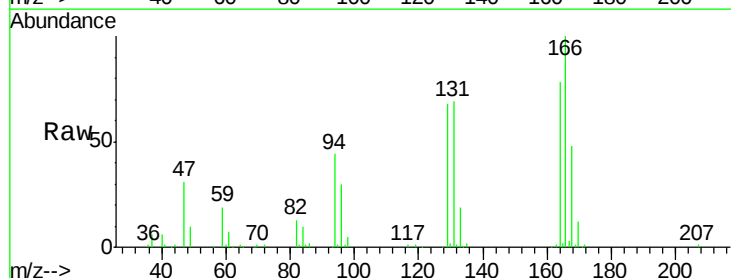


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

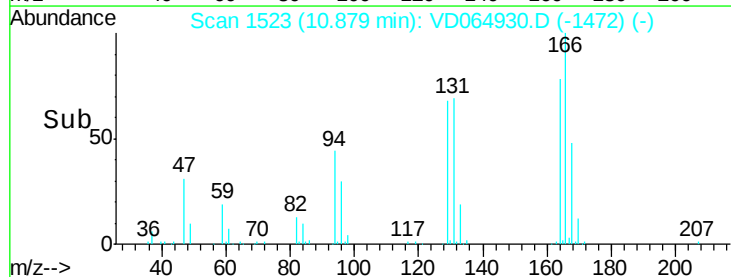
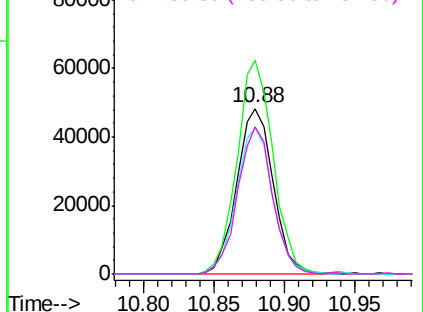


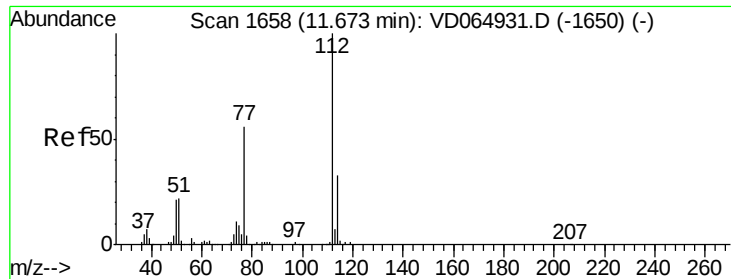
#64
Tetrachloroethene
Concen: 19.13 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion:164 Resp: 86876
Ion Ratio Lower Upper
164 100
166 128.9 101.4 152.2
129 88.1 71.8 107.8
131 89.2 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.70 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

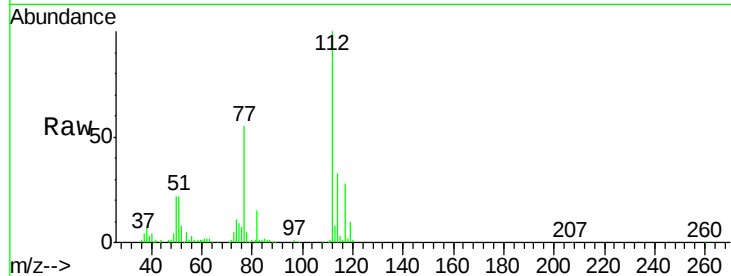
VSTDIC020

Tgt Ion:112 Resp: 241172

Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

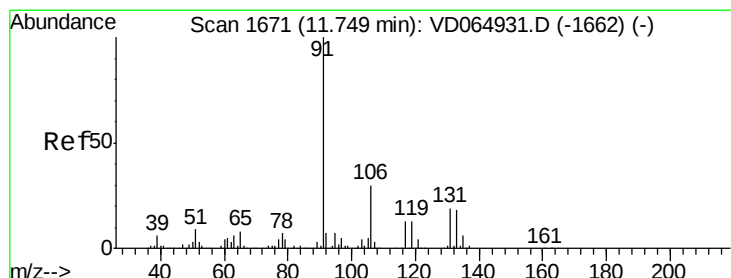
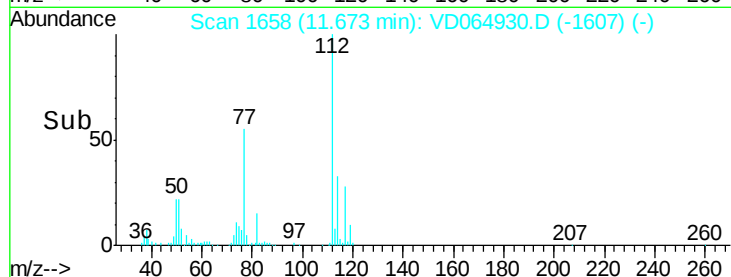
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.83 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

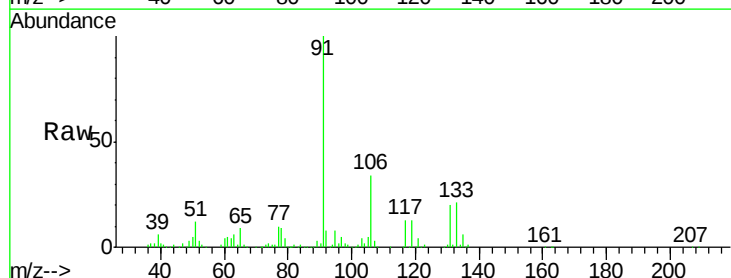
Tgt Ion:131 Resp: 91952

Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.5

119 62.2 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

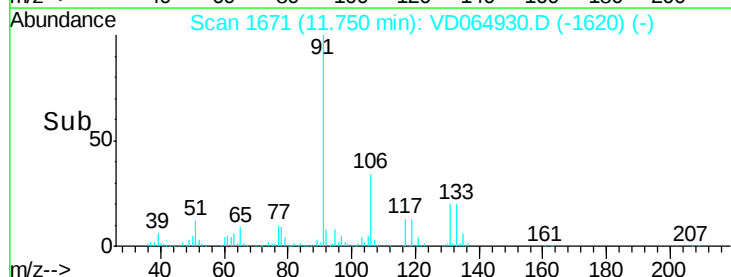
150000

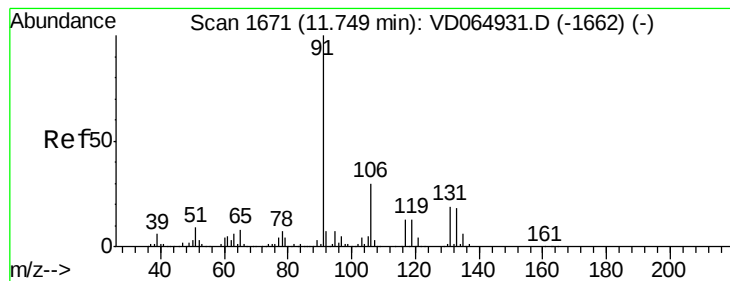
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 18.98 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

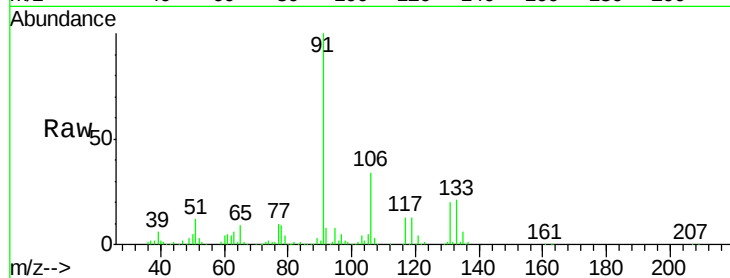
VSTDIC020

Tgt Ion: 91 Resp: 423826

Ion Ratio Lower Upper

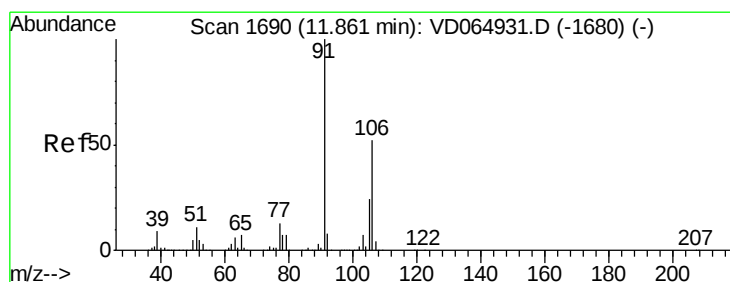
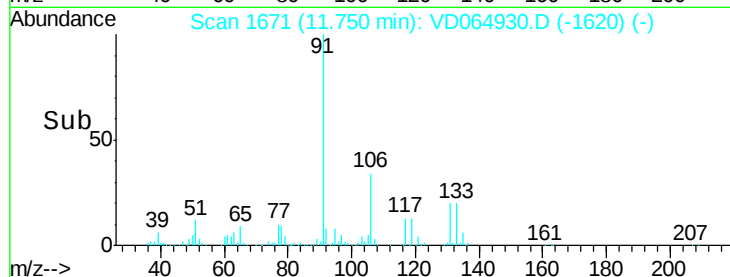
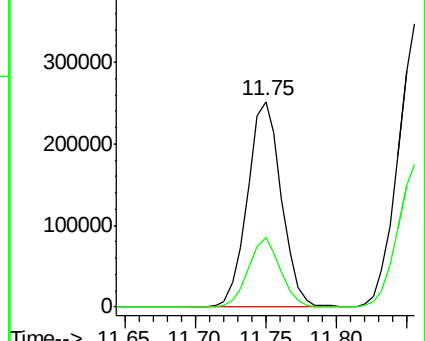
91 100

106 34.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.78 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064930.D

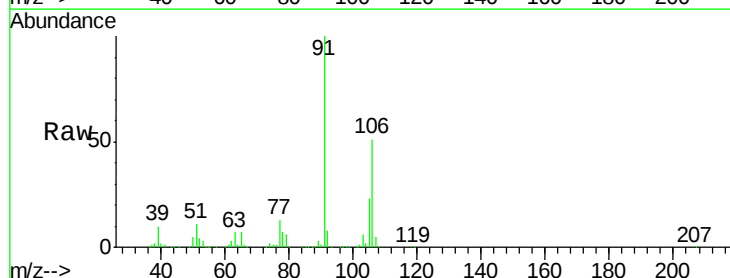
Acq: 23 Jan 2020 11:54

Tgt Ion: 106 Resp: 333403

Ion Ratio Lower Upper

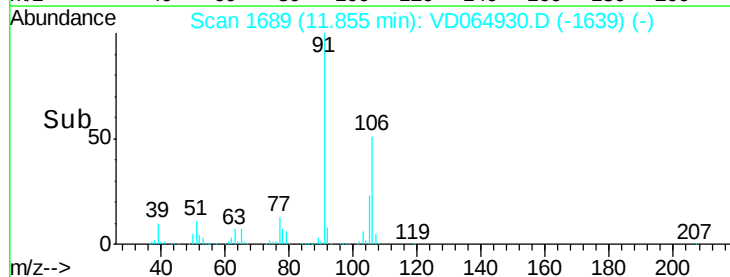
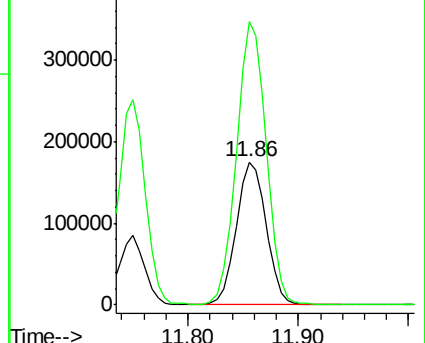
106 100

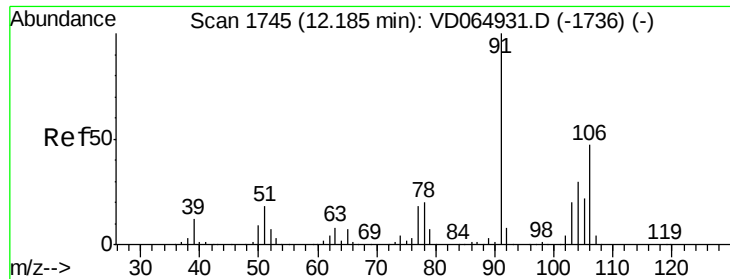
91 196.7 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

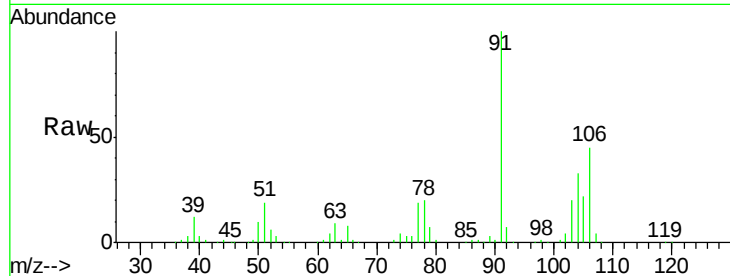




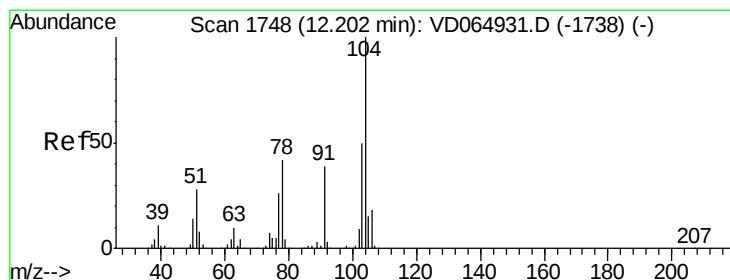
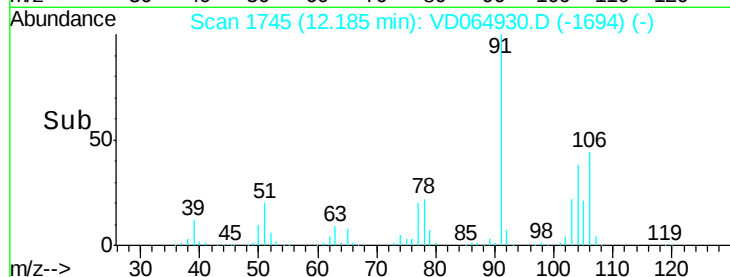
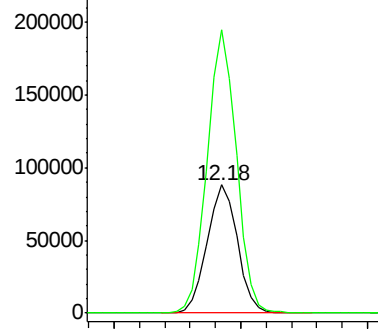
#69
o-Xylene
Concen: 18.81 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 145745
Ion Ratio Lower Upper
106 100
91 212.0 106.7 319.9

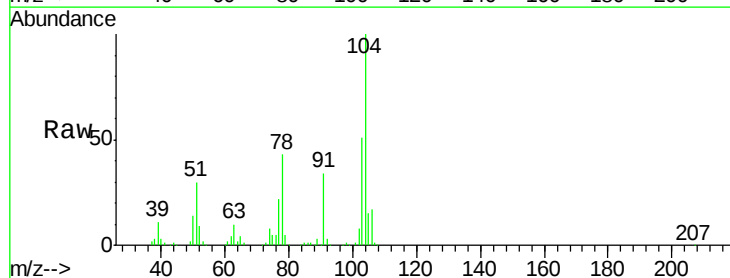


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

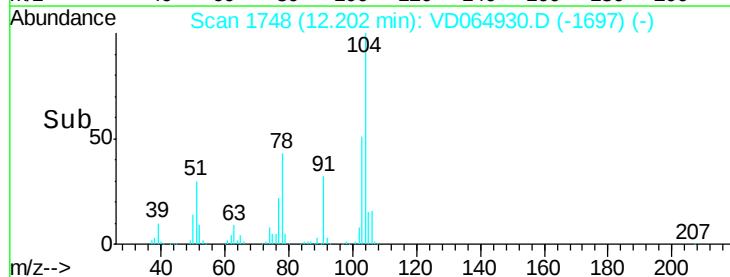
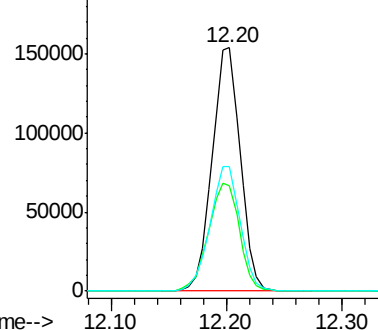


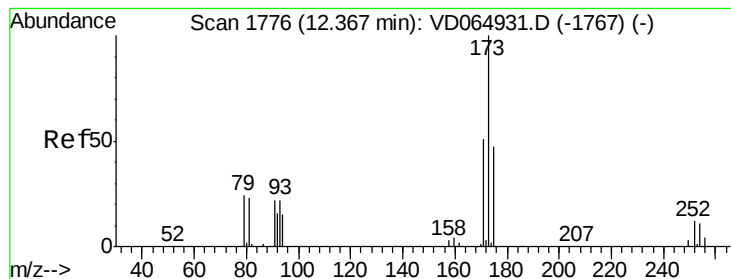
#70
Styrene
Concen: 19.02 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064930.D
Acq: 23 Jan 2020 11:54

Tgt Ion:104 Resp: 260318
Ion Ratio Lower Upper
104 100
78 48.6 38.3 57.5
103 54.8 43.5 65.3



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





#71

Bromoform

Concen: 19.80 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

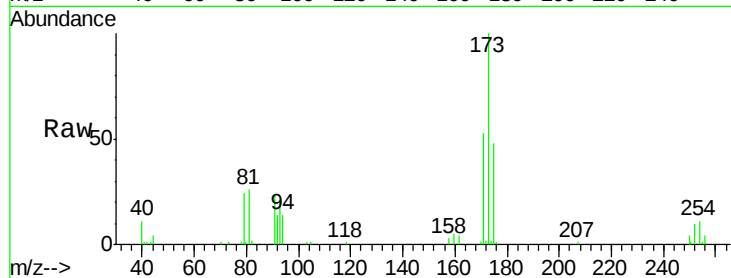
Tgt Ion:173 Resp: 52034

Ion Ratio Lower Upper

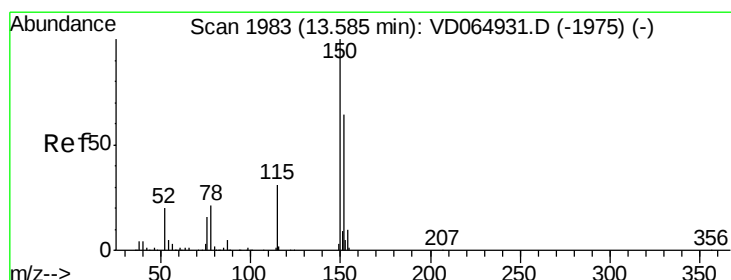
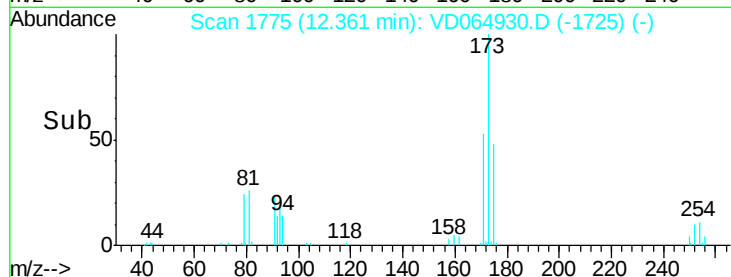
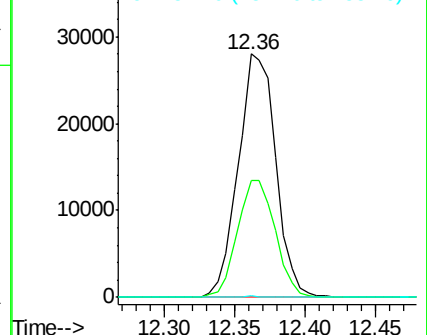
173 100

175 48.4 24.6 73.8

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

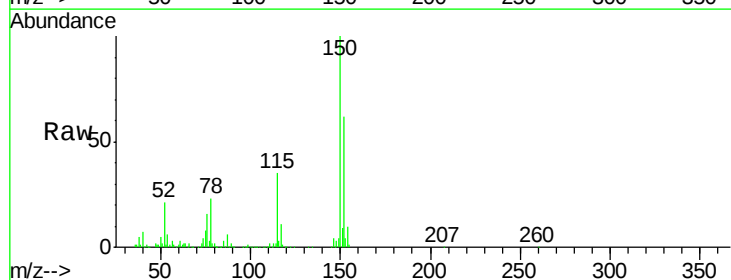
Tgt Ion:152 Resp: 290592

Ion Ratio Lower Upper

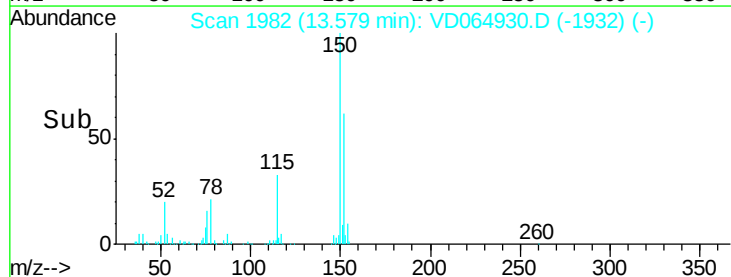
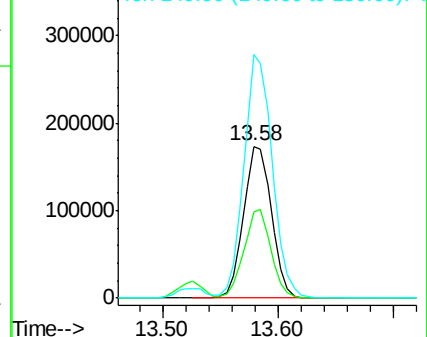
152 100

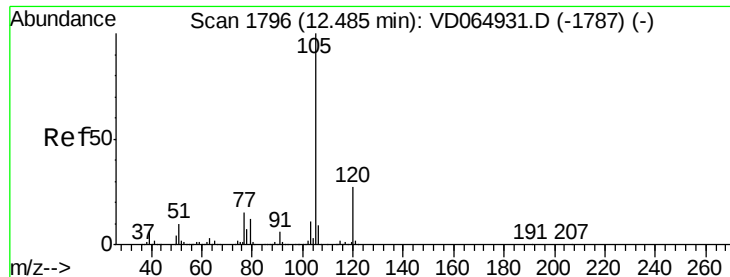
115 56.1 28.1 84.4

150 163.6 0.0 350.4



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





#73

Isopropylbenzene

Concen: 19.23 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

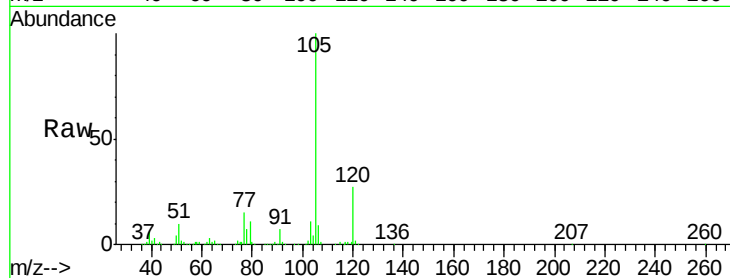
VSTDIC020

Tgt Ion:105 Resp: 396197

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

150000

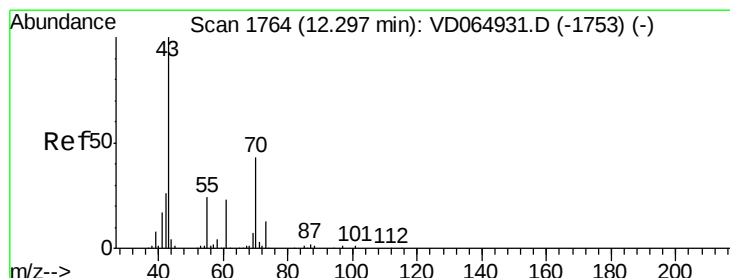
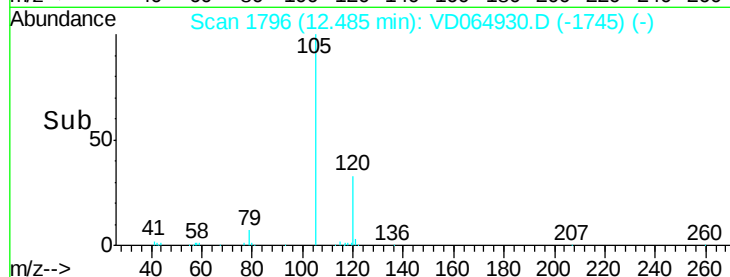
100000

50000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 20.30 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Tgt Ion: 43 Resp: 89612

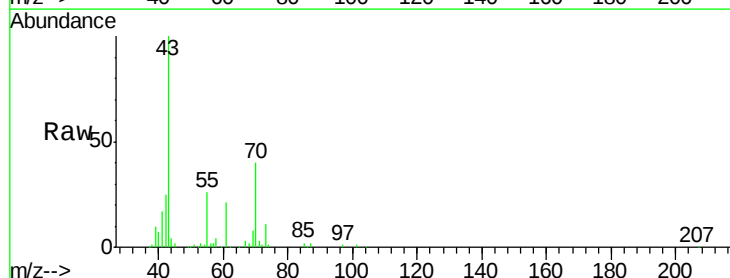
Ion Ratio Lower Upper

43 100

70 40.0 32.6 49.0

55 27.1 19.9 29.9

61 22.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

80000

60000

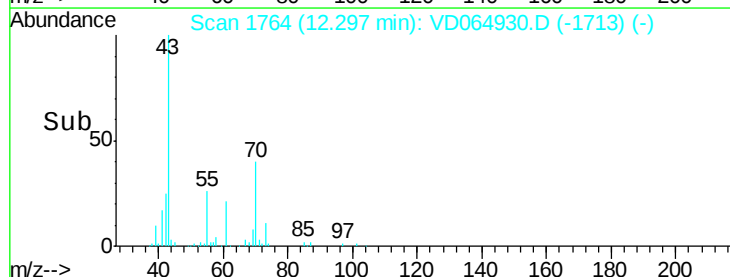
40000

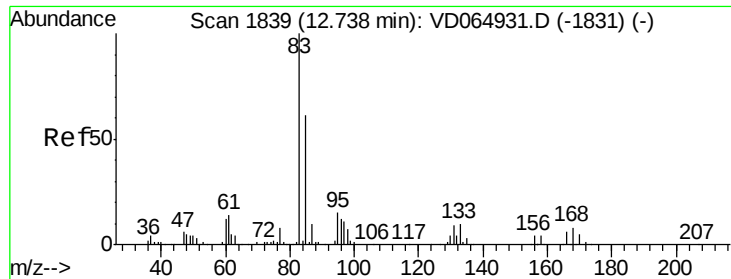
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.69 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

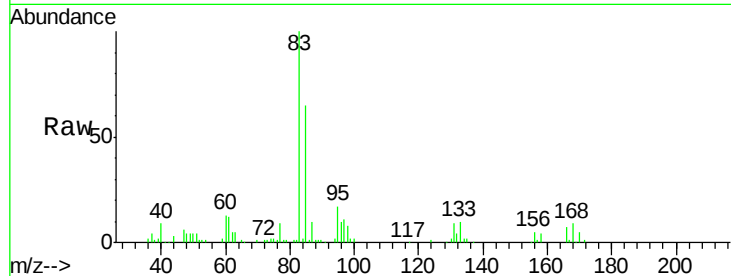
Tgt Ion: 83 Resp: 67380

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

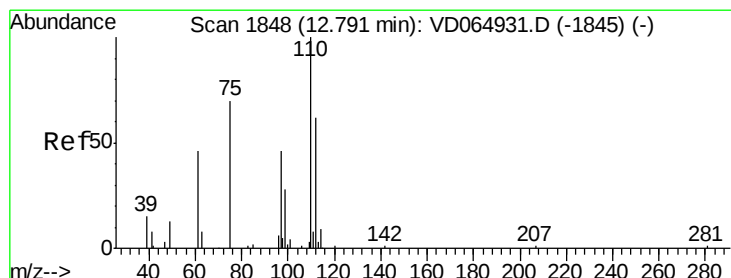
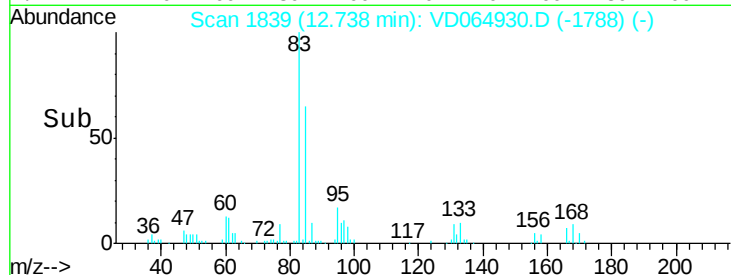
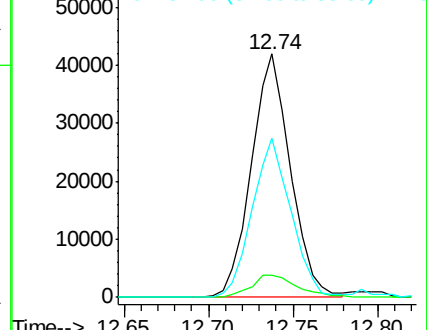
85 64.3 31.6 94.7



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: 38.97 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064930.D

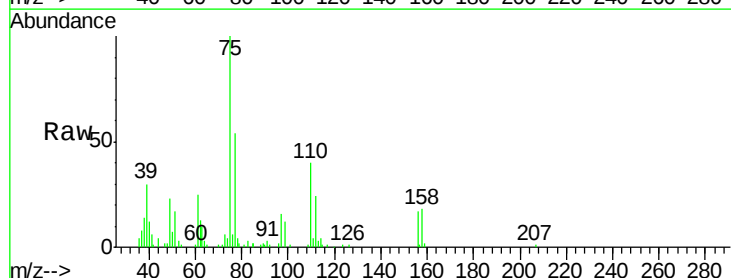
Acq: 23 Jan 2020 11:54

Tgt Ion: 75 Resp: 93164

Ion Ratio Lower Upper

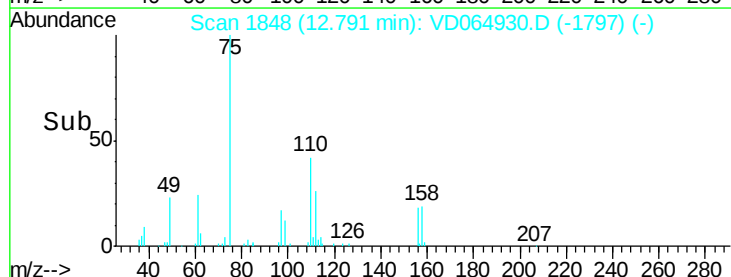
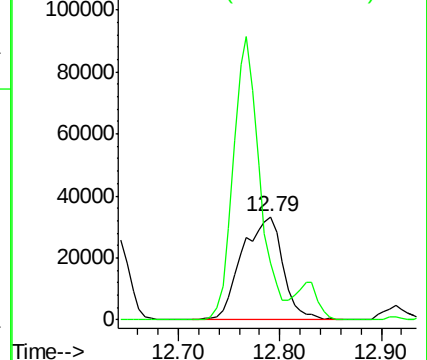
75 100

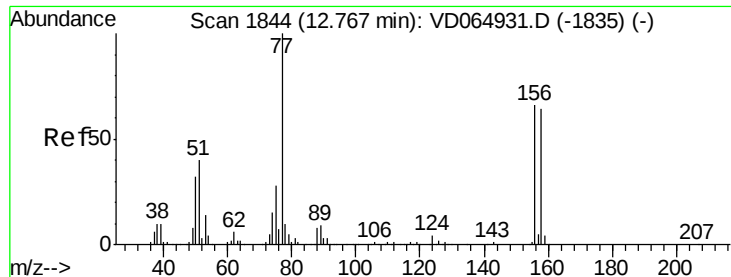
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.35 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

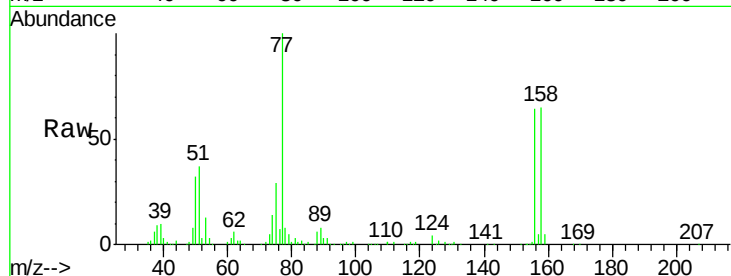
Tgt Ion:156 Resp: 97667

Ion Ratio Lower Upper

156 100

77 170.1 84.2 252.5

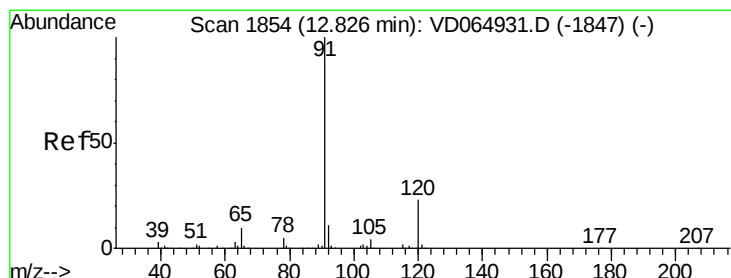
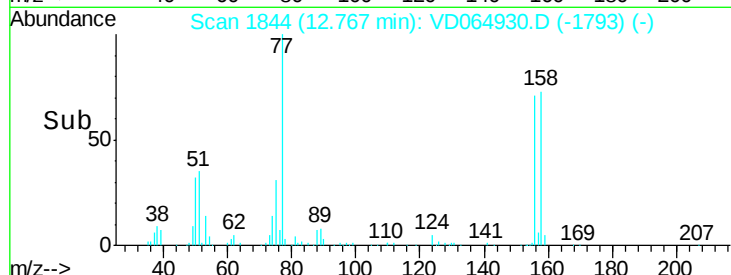
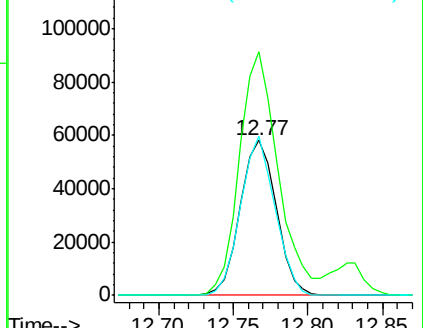
158 98.2 48.1 144.4



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: 19.74 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064930.D

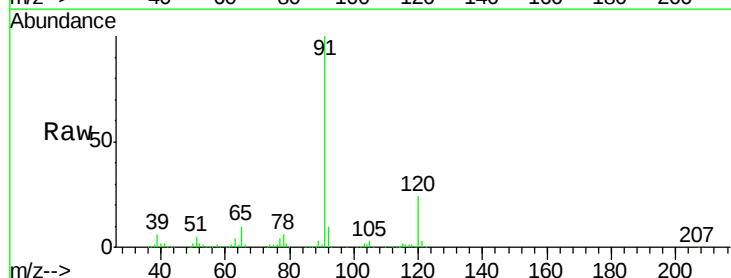
Acq: 23 Jan 2020 11:54

Tgt Ion: 91 Resp: 475923

Ion Ratio Lower Upper

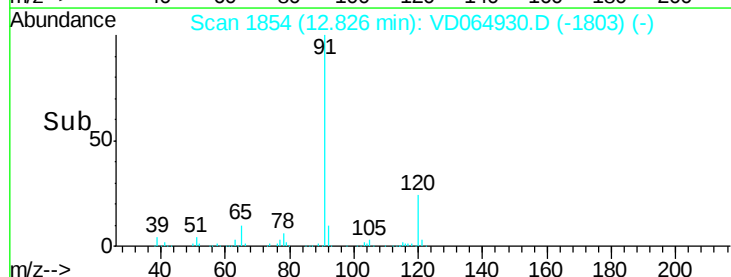
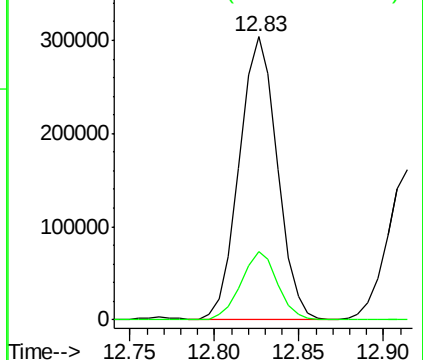
91 100

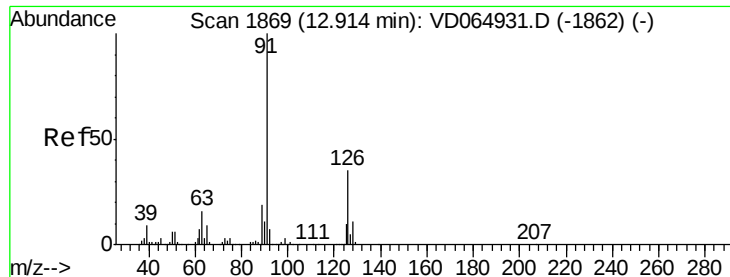
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.91 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

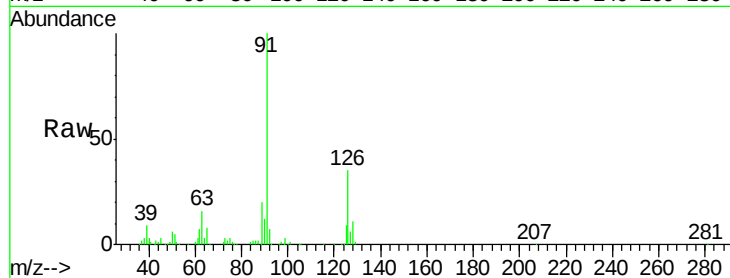
VSTDIC020

Tgt Ion: 91 Resp: 263655

Ion Ratio Lower Upper

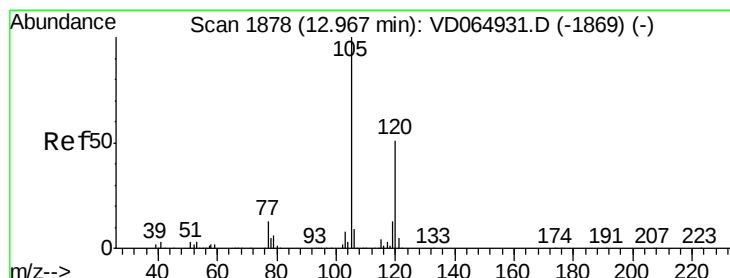
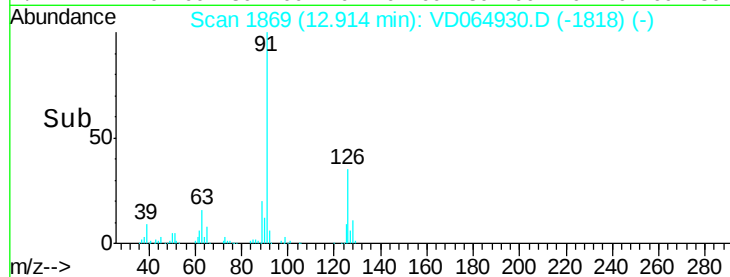
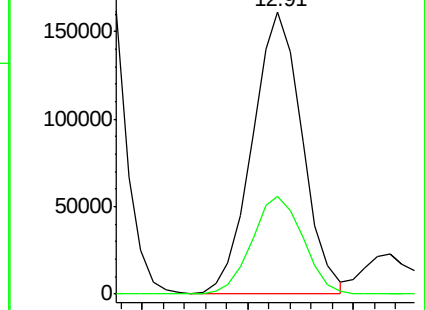
91 100

126 35.7 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064930.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064930.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.60 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064930.D

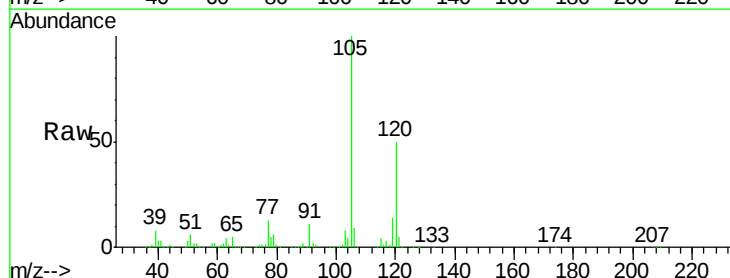
Acq: 23 Jan 2020 11:54

Tgt Ion: 105 Resp: 330760

Ion Ratio Lower Upper

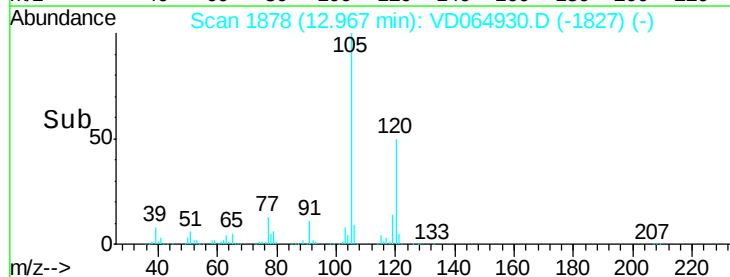
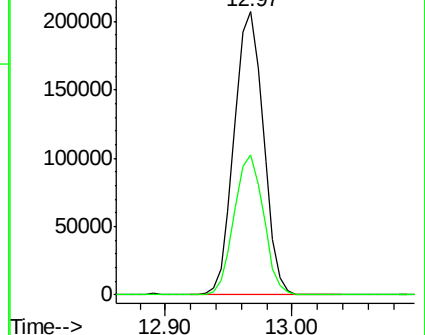
105 100

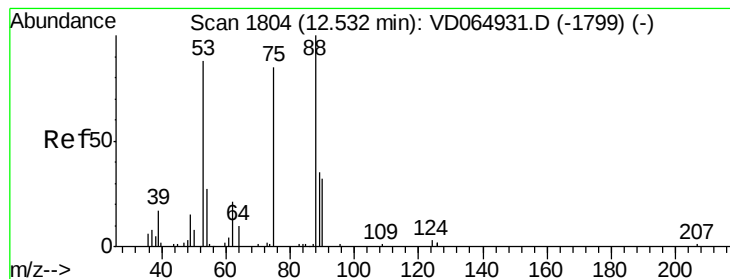
120 49.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064930.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064930.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.33 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

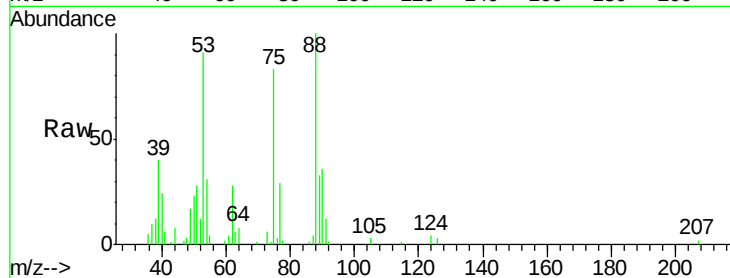
Tgt Ion: 75 Resp: 22378

Ion Ratio Lower Upper

75 100

53 106.1 81.0 121.4

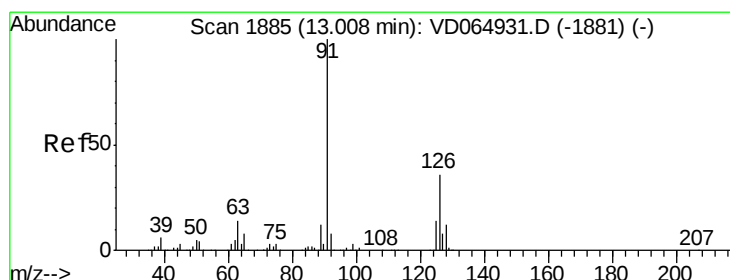
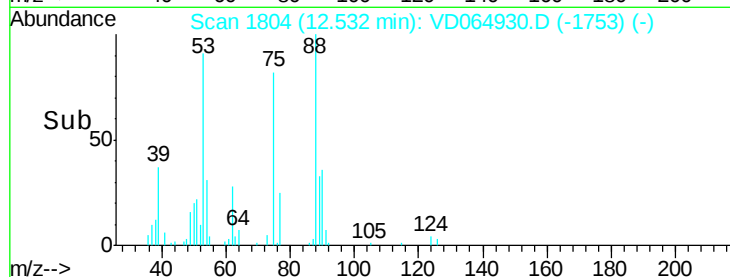
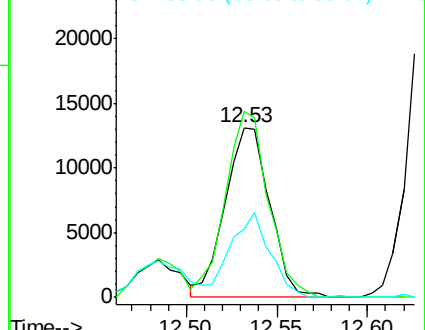
89 44.6 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.54 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064930.D

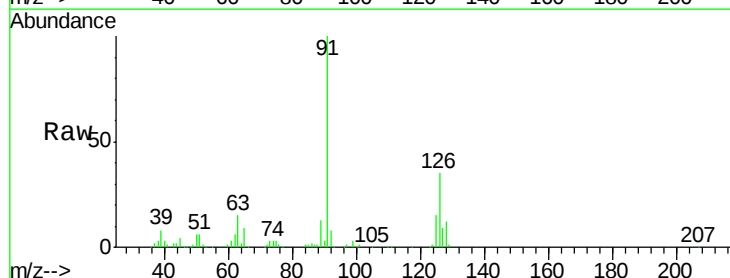
Acq: 23 Jan 2020 11:54

Tgt Ion: 91 Resp: 274756

Ion Ratio Lower Upper

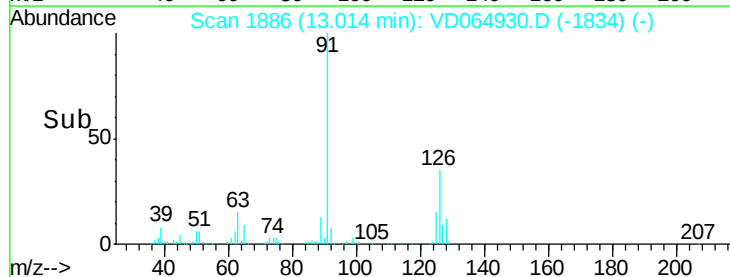
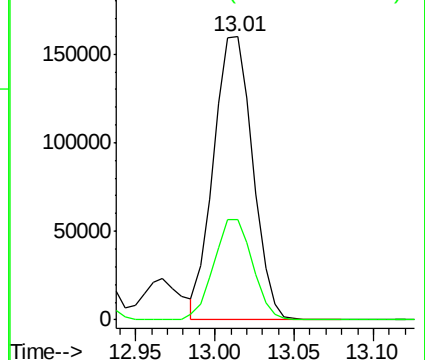
91 100

126 35.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

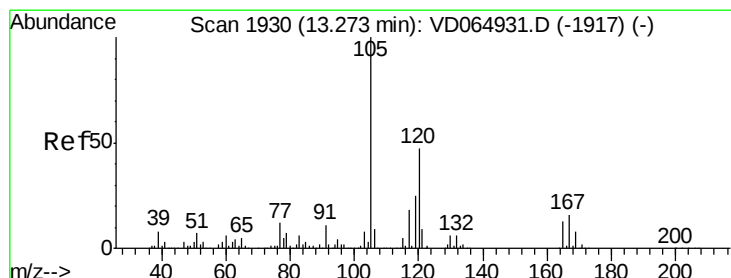
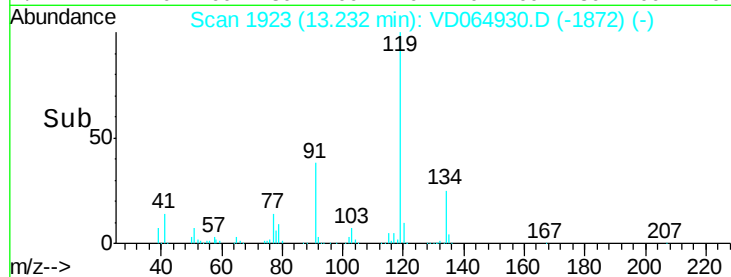
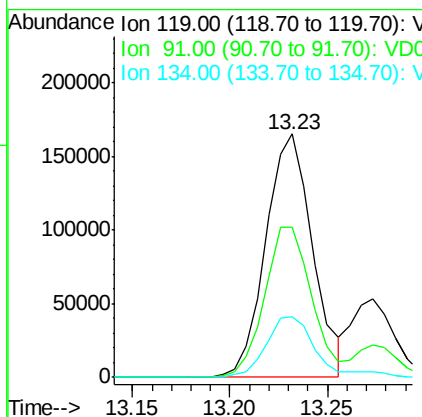
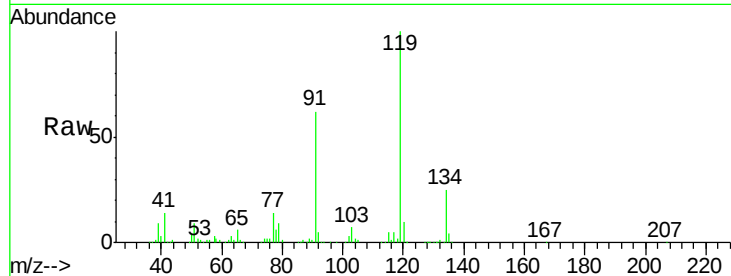




#83
 tert-Butylbenzene
 Concen: 18.80 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

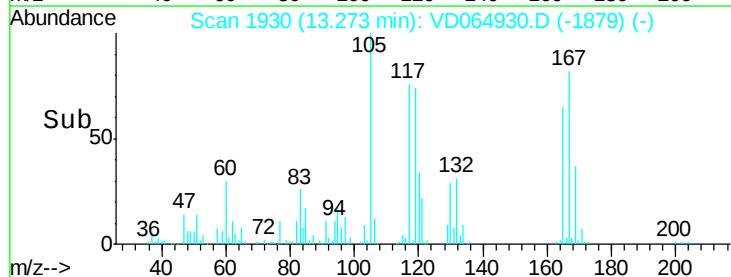
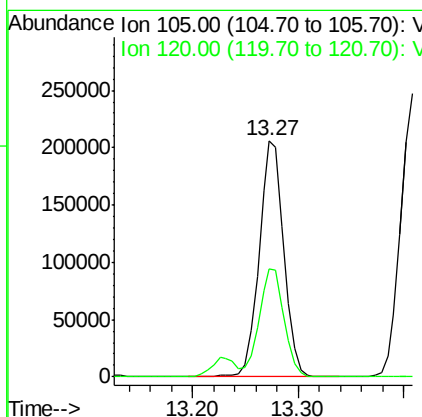
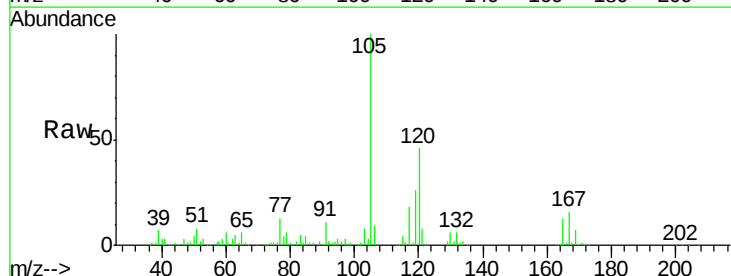
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

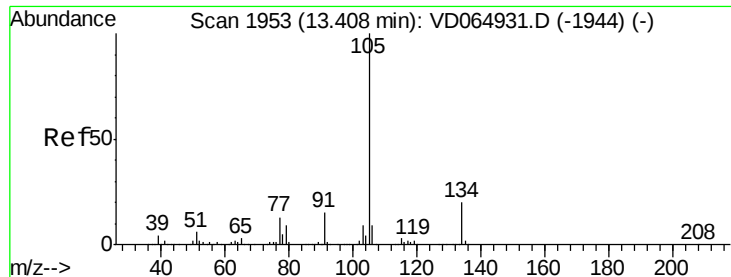
Tgt Ion:119 Resp: 275119
 Ion Ratio Lower Upper
 119 100
 91 61.8 32.0 96.0
 134 26.9 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.81 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:105 Resp: 334271
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.3

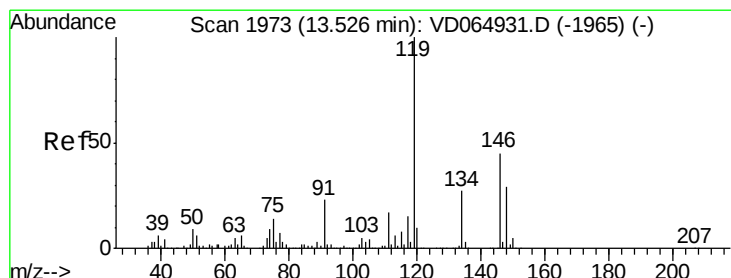
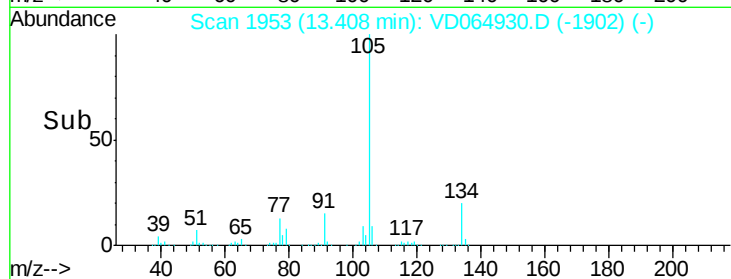
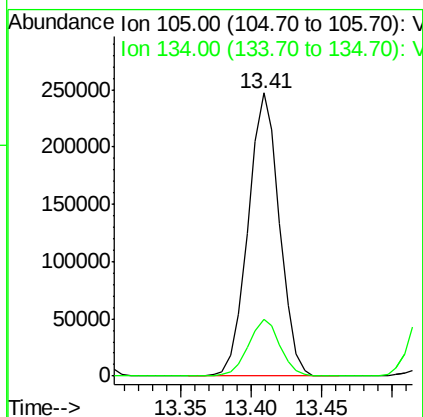
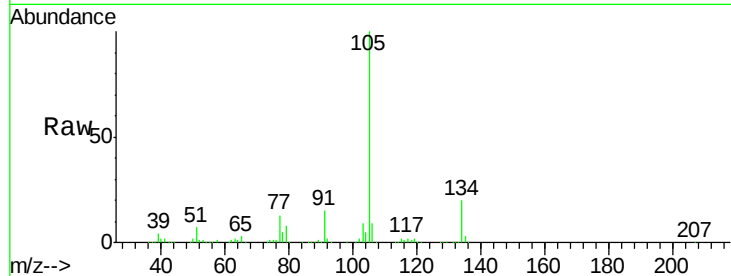




#85
 sec-Butylbenzene
 Concen: 19.10 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

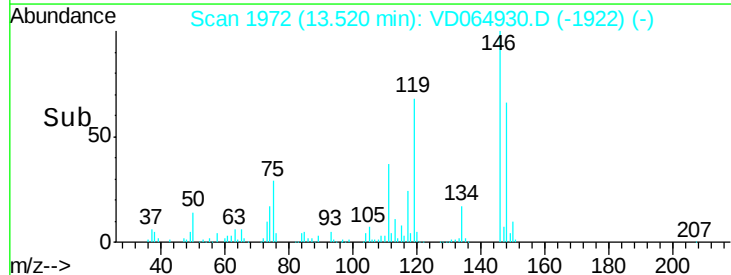
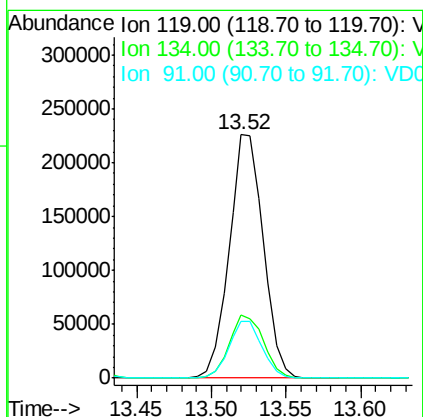
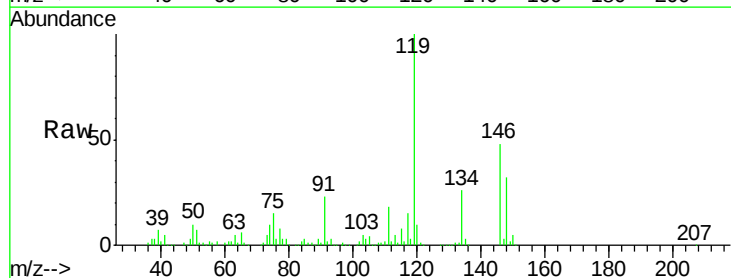
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

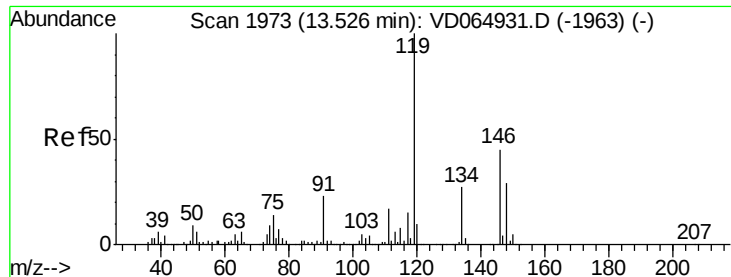
Tgt Ion:105 Resp: 384167
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 18.64 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:119 Resp: 358118
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 23.1 11.4 34.2

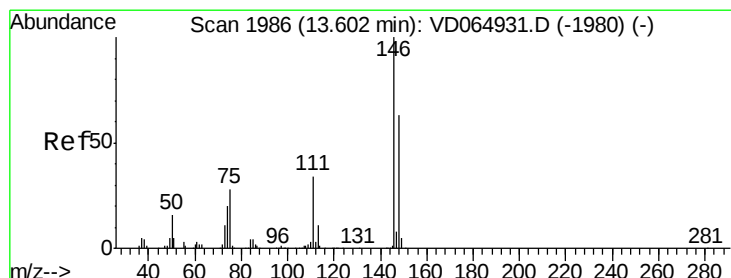
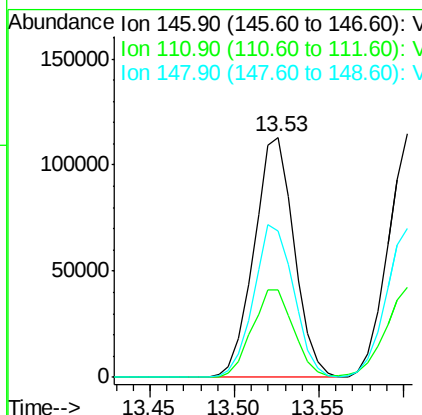
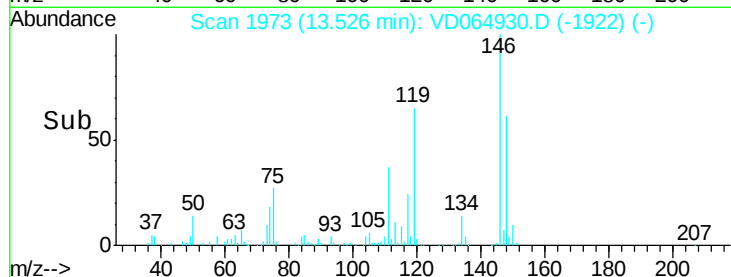
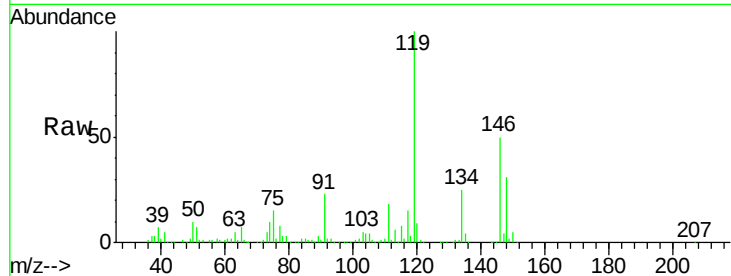




#87
 1,3-Dichlorobenzene
 Concen: 19.38 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

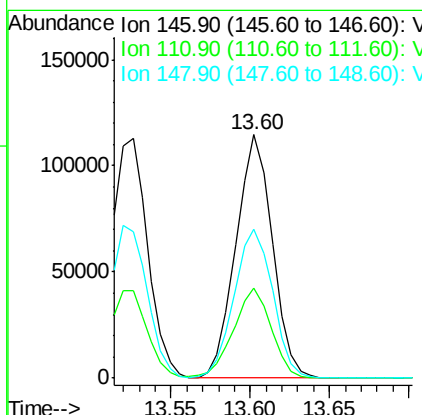
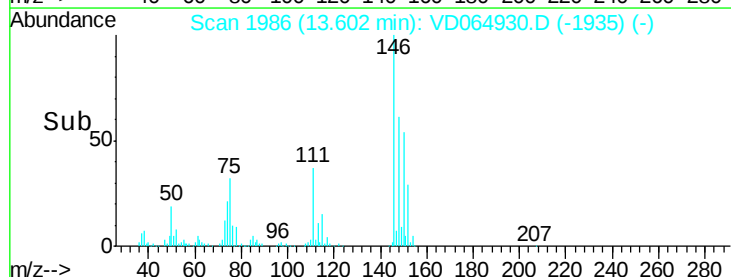
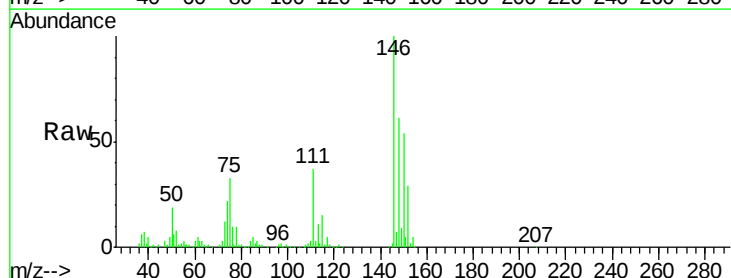
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

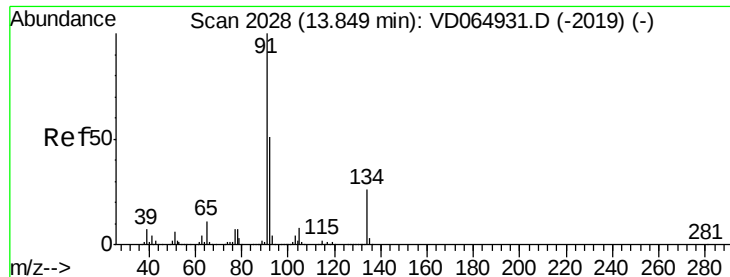
Tgt Ion:146 Resp: 186548
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 63.8 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:146 Resp: 183586
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.2 54.6
 148 64.7 32.0 96.0





#89

n-Butylbenzene

Concen: 18.91 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

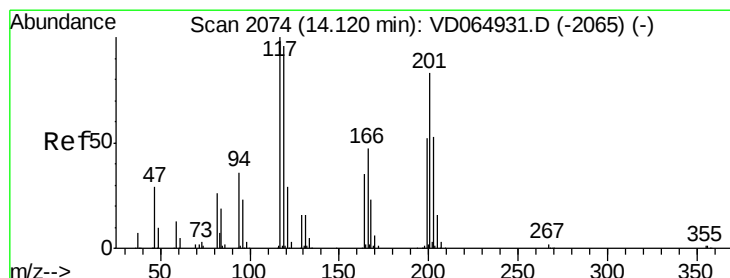
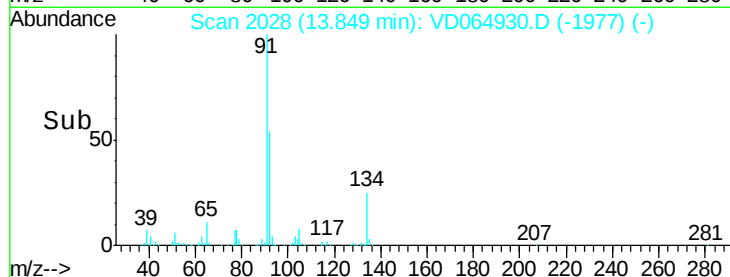
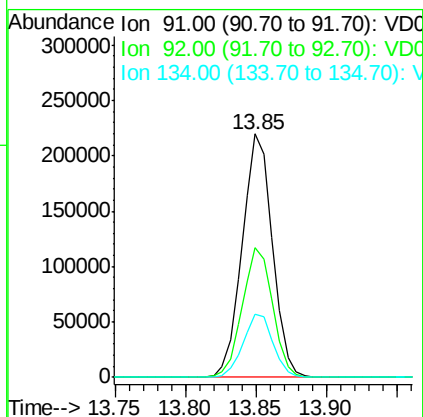
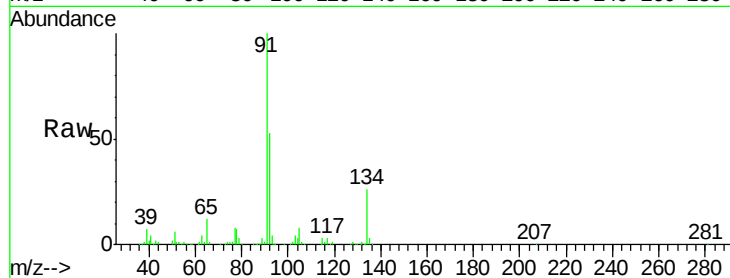
Tgt Ion: 91 Resp: 328598

Ion Ratio Lower Upper

91 100

92 53.6 26.4 79.0

134 25.8 13.3 39.9



#90

Hexachloroethane

Concen: 18.67 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064930.D

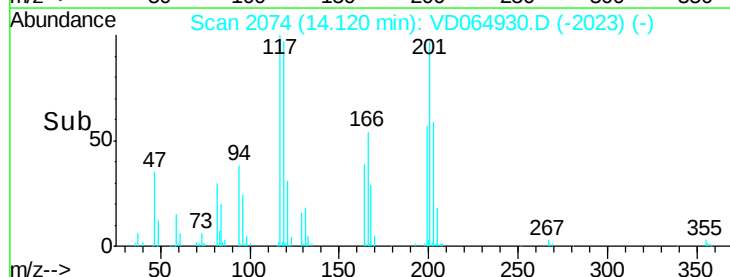
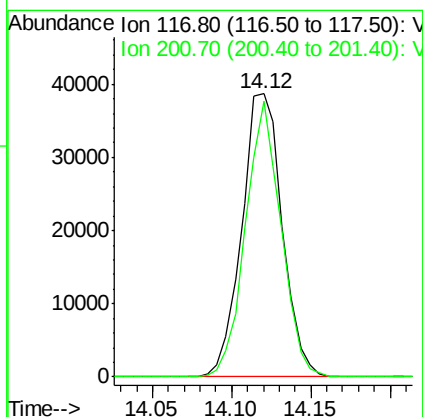
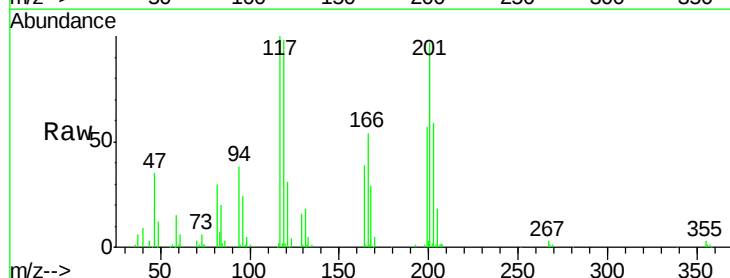
Acq: 23 Jan 2020 11:54

Tgt Ion: 117 Resp: 68530

Ion Ratio Lower Upper

117 100

201 85.5 41.1 123.3

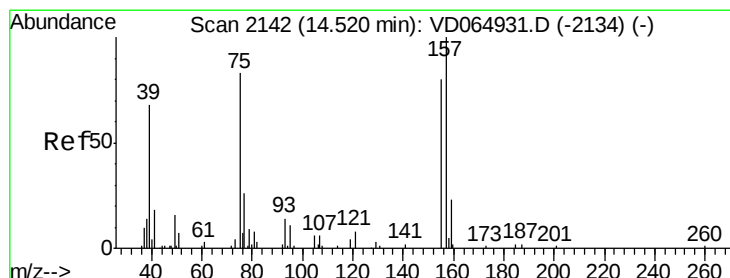
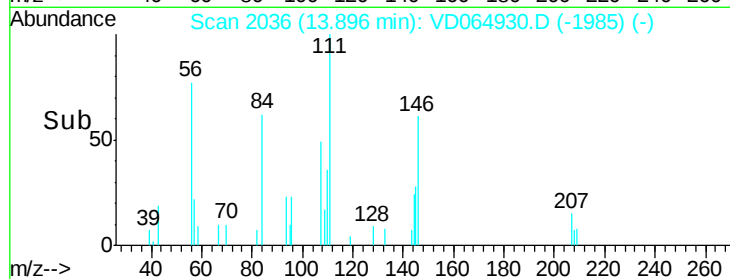
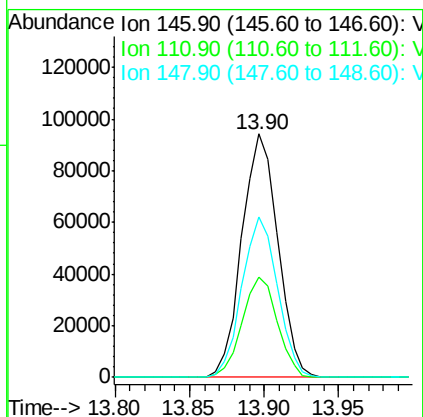
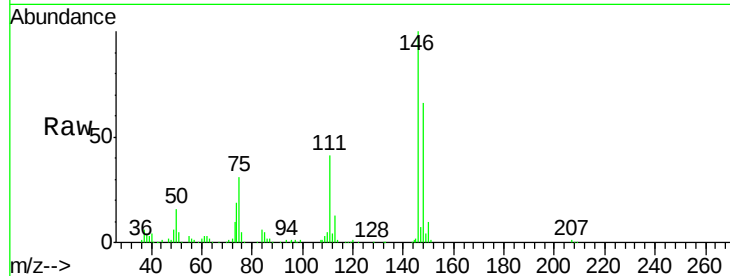




#91
 1,2-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

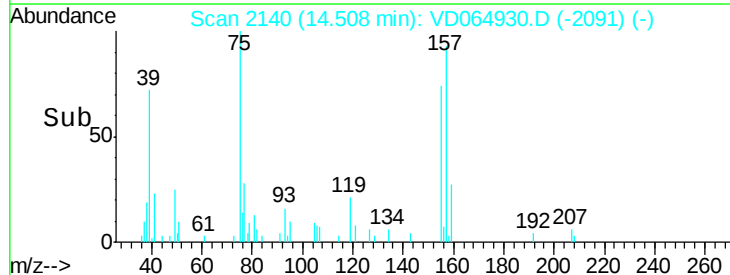
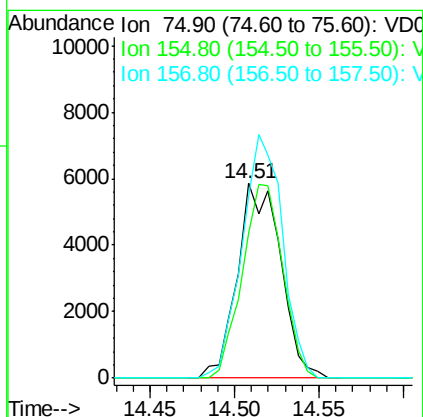
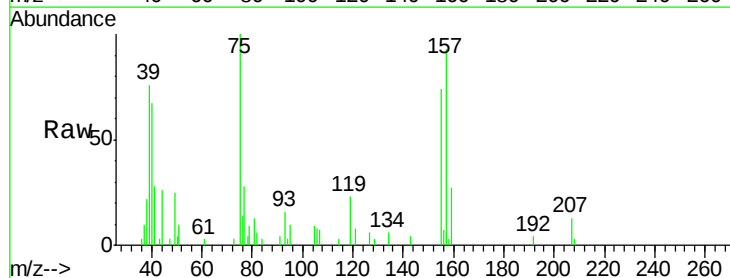
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

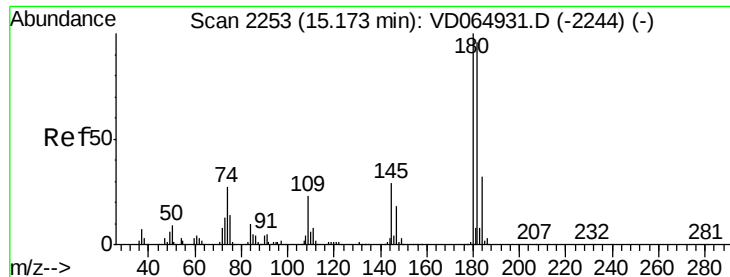
Tgt Ion:146 Resp: 157160
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.4 58.2
 148 65.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.82 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion: 75 Resp: 10444
 Ion Ratio Lower Upper
 75 100
 155 92.5 44.9 134.7
 157 117.1 58.9 176.6

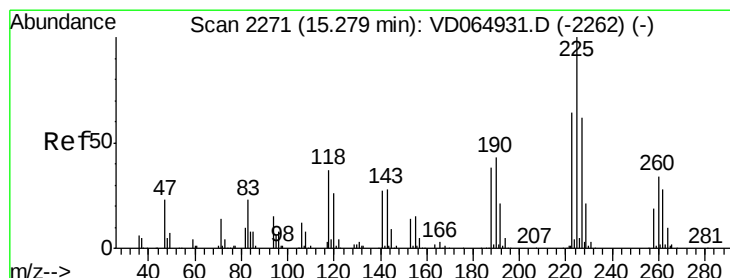
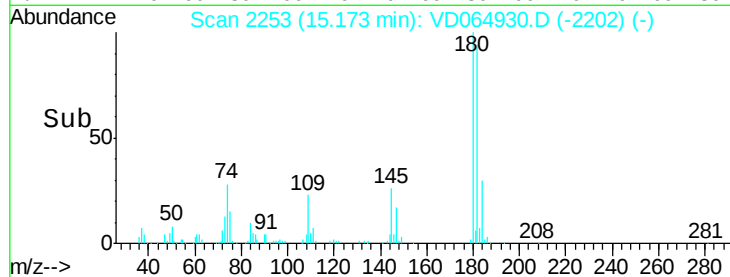
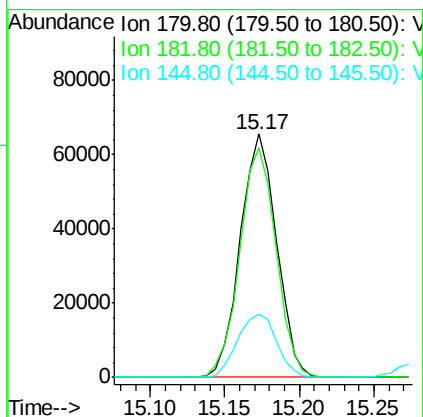
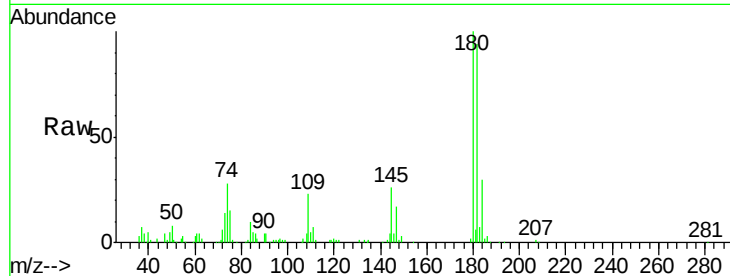




#93
 1,2,4-Trichlorobenzene
 Concen: 18.53 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

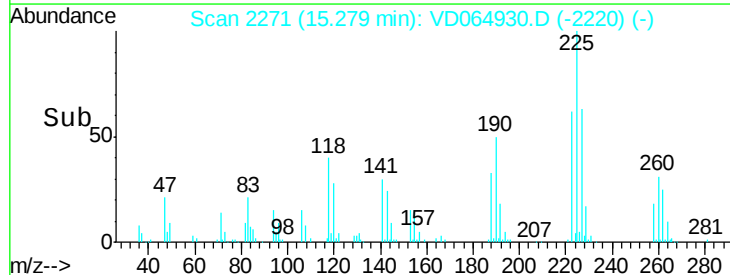
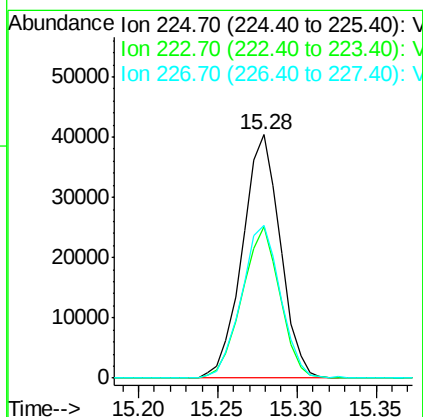
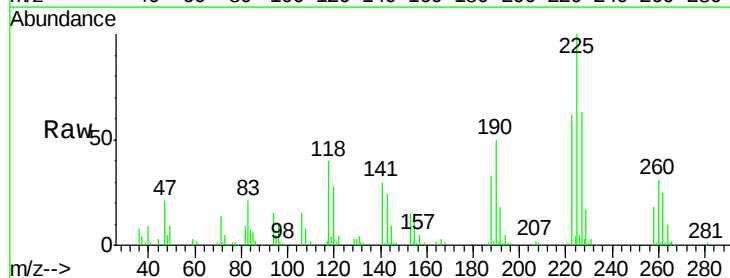
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

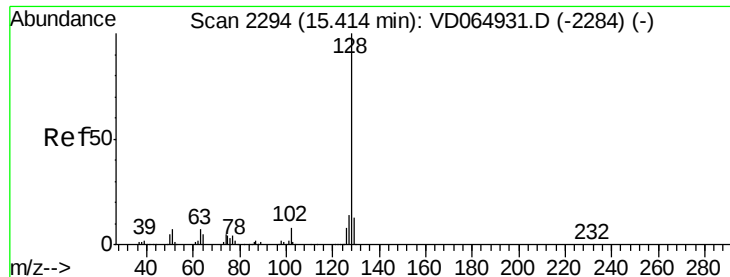
Tgt Ion:180 Resp: 110724
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.1 141.4
 145 28.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 17.84 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064930.D
 Acq: 23 Jan 2020 11:54

Tgt Ion:225 Resp: 66997
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.4 97.2
 227 64.8 31.9 95.9





#95

Naphthalene

Concen: 18.57 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

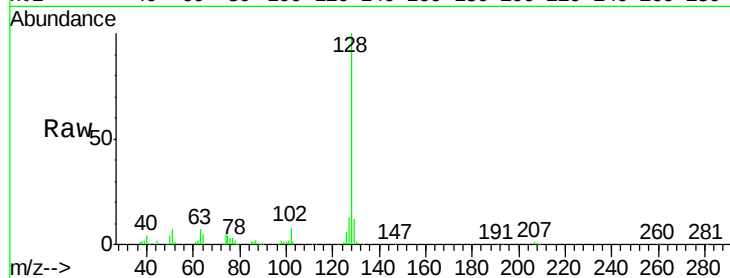
Tgt Ion:128 Resp: 176083

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

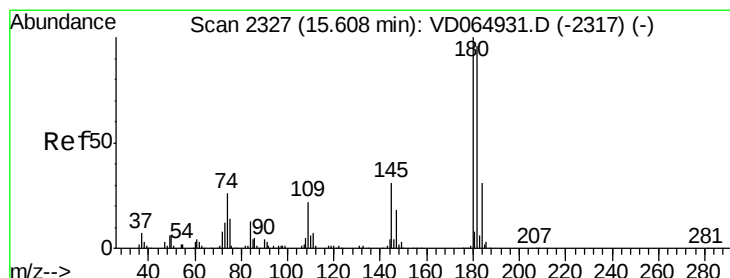
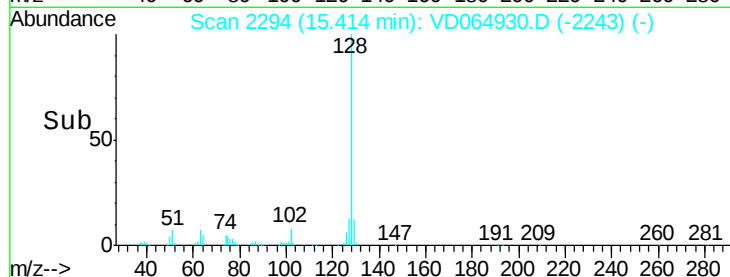
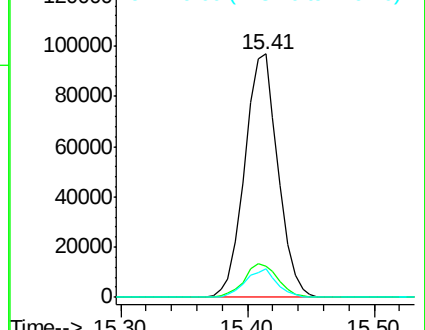
129 11.0 9.3 13.9



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: 18.03 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064930.D

Acq: 23 Jan 2020 11:54

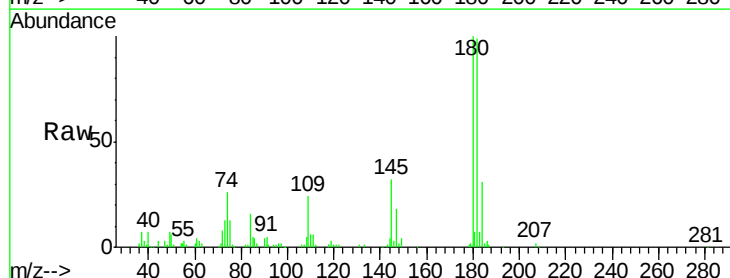
Tgt Ion:180 Resp: 92323

Ion Ratio Lower Upper

180 100

182 98.0 47.3 141.8

145 31.3 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

