

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064928.D
 Acq On : 23 Jan 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 23 12:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270116	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	23452	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	
35) Dibromofluoromethane	7.92	113	22294	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	10.34	98	81420	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
62) 4-Bromofluorobenzene	12.64	95	24782	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	14979	4.51	ug/l	88
3) Chloromethane	2.21	50	24083	5.17	ug/l	93
4) Vinyl Chloride	2.35	62	27101	4.80	ug/l	96
5) Bromomethane	2.77	94	19999	4.93	ug/l	84
6) Chloroethane	2.93	64	18277	4.88	ug/l	93
7) Trichlorofluoromethane	3.27	101	42223	4.51	ug/l	95
8) Diethyl Ether	3.71	74	9682	5.11	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20671	5.25	ug/l	97
10) Methyl Iodide	4.30	142	17290	4.10	ug/l	99
11) Tert butyl alcohol	5.17	59	4160	19.04	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	19186	5.12	ug/l	90
13) Acrolein	3.93	56	7962	26.91	ug/l	95
14) Allyl chloride	4.71	41	28784	4.89	ug/l	99
15) Acrylonitrile	5.43	53	19592	24.77	ug/l	98
16) Acetone	4.16	43	24532	30.99	ug/l	91
17) Carbon Disulfide	4.40	76	61811	5.07	ug/l	97
18) Methyl Acetate	4.72	43	10112	4.84	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	38681	4.63	ug/l	99
20) Methylene Chloride	4.96	84	32557	7.24	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	21251	4.95	ug/l	94
22) Diisopropyl ether	6.37	45	54027	4.61	ug/l	93
23) Vinyl Acetate	6.31	43	146811	22.01	ug/l	97
24) 1,1-Dichloroethane	6.27	63	35881	5.09	ug/l	94
25) 2-Butanone	7.23	43	26893	25.58	ug/l	90
26) 2,2-Dichloropropane	7.21	77	33025	5.06	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	22861	4.97	ug/l	98
28) Bromochloromethane	7.55	49	15515	5.57	ug/l	95
29) Tetrahydrofuran	7.57	42	15490	23.87	ug/l	97
30) Chloroform	7.71	83	38128	5.17	ug/l	93
31) Cyclohexane	7.99	56	40336	5.71	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	35689	5.15	ug/l	97
36) 1,1-Dichloropropene	8.11	75	29601	4.73	ug/l	98
37) Ethyl Acetate	7.30	43	11620	4.76	ug/l #	89
38) Carbon Tetrachloride	8.10	117	31589	4.74	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064928.D
 Acq On : 23 Jan 2020 10:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 23 12:48:28 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)
39) Methylcyclohexane	9.36	83	32051	4.25	ug/l	93
40) Benzene	8.36	78	80069	4.68	ug/l	100
41) Methacrylonitrile	7.53	41	6712	4.69	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	25162	5.07	ug/l	93
43) Isopropyl Acetate	8.46	43	22406	4.60	ug/l	98
44) Trichloroethene	9.12	130	22387	4.50	ug/l	97
45) 1,2-Dichloropropane	9.40	63	20462	5.02	ug/l	98
46) Dibromomethane	9.48	93	11332	5.02	ug/l	91
47) Bromodichloromethane	9.67	83	27015	4.49	ug/l	97
48) Methyl methacrylate	9.46	41	10113	4.44	ug/l	98
49) 1,4-Dioxane	9.48	88	2502	94.68	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	51154	21.11	ug/l	95
52) Toluene	10.41	92	50396	4.51	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	25191	4.47	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	29446	4.44	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	15179	4.96	ug/l	98
56) Ethyl methacrylate	10.67	69	14230	3.73	ug/l	92
57) 1,3-Dichloropropane	10.95	76	23748	4.50	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	39774	28.16	ug/l	99
59) 2-Hexanone	10.99	43	33667	20.42	ug/l	97
60) Dibromochloromethane	11.14	129	18962	4.51	ug/l	95
61) 1,2-Dibromoethane	11.26	107	13577	4.52	ug/l	99
64) Tetrachloroethene	10.88	164	19394	4.50	ug/l	95
65) Chlorobenzene	11.67	112	57098	4.91	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	20615	4.68	ug/l	100
67) Ethyl Benzene	11.75	91	89425	4.22	ug/l	95
68) m/p-Xylenes	11.86	106	67721	8.29	ug/l	98
69) o-Xylene	12.18	106	30835	4.19	ug/l	93
70) Styrene	12.20	104	51524	3.96	ug/l	98
71) Bromoform	12.36	173	11279	4.52	ug/l #	96
73) Isopropylbenzene	12.48	105	79760	4.17	ug/l	99
74) N-amyl acetate	12.29	43	17753	4.33	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15185	5.02	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	19731	8.88	ug/l #	100
77) Bromobenzene	12.77	156	21379	4.56	ug/l	97
78) n-propylbenzene	12.83	91	97727	4.36	ug/l	99
79) 2-Chlorotoluene	12.91	91	54033	4.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	64402	4.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4688	4.58	ug/l	95
82) 4-Chlorotoluene	13.01	91	59845	4.58	ug/l	98
83) tert-Butylbenzene	13.23	119	54916	4.04	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	63799	4.07	ug/l	97
85) sec-Butylbenzene	13.41	105	82497	4.41	ug/l	98
86) p-Isopropyltoluene	13.53	119	71121	3.98	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	39899	4.46	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	42642	4.86	ug/l	93
89) n-Butylbenzene	13.86	91	68016	4.21	ug/l	99
90) Hexachloroethane	14.12	117	16266	4.77	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	35163	4.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2426	4.95	ug/l	94

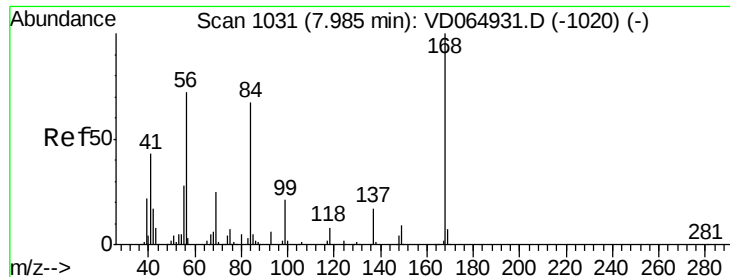
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
Data File : VD064928.D
Acq On : 23 Jan 2020 10:58
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jan 23 12:48:28 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	23593	4.25	ug/l	94
94) Hexachlorobutadiene	15.28	225	16431	4.71	ug/l	97
95) Naphthalene	15.42	128	34176	3.88	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	20822	4.38	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

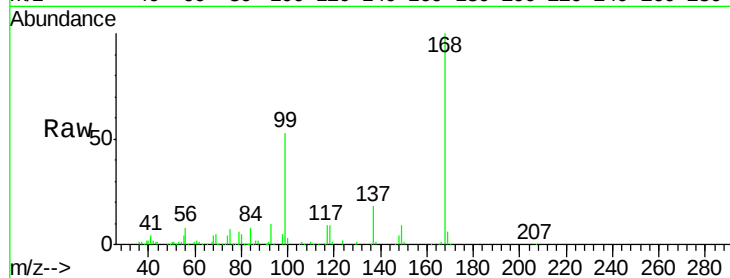
VSTDIC005

Tgt Ion:168 Resp: 429345

Ion Ratio Lower Upper

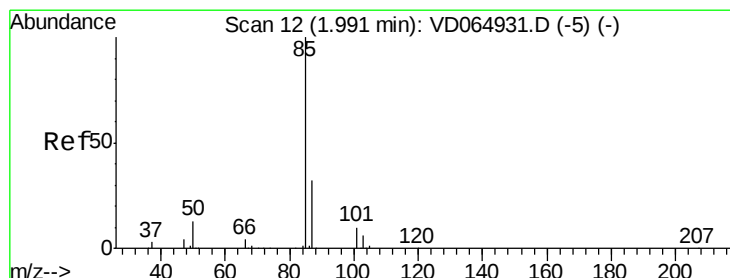
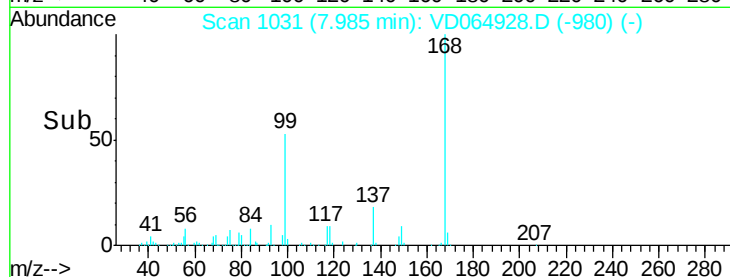
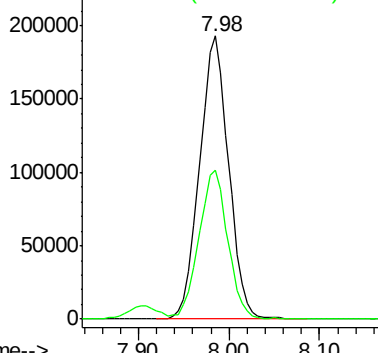
168 100

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: 4.51 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064928.D

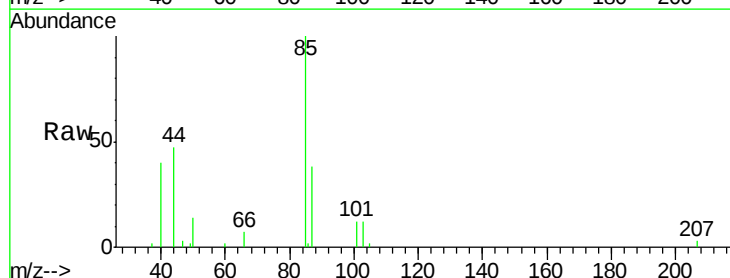
Acq: 23 Jan 2020 10:58

Tgt Ion: 85 Resp: 14979

Ion Ratio Lower Upper

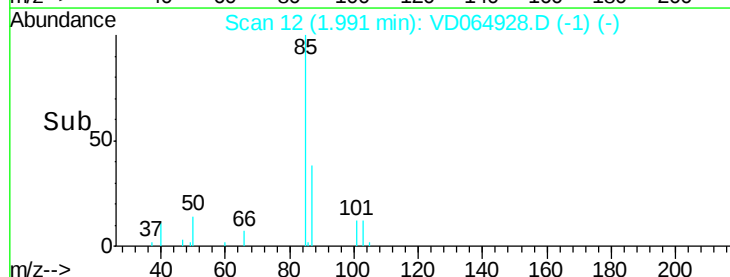
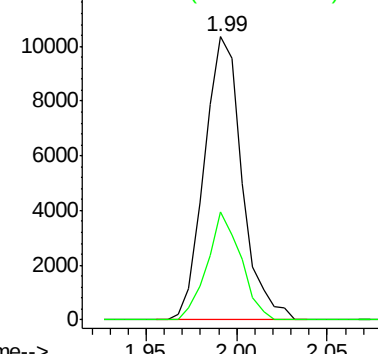
85 100

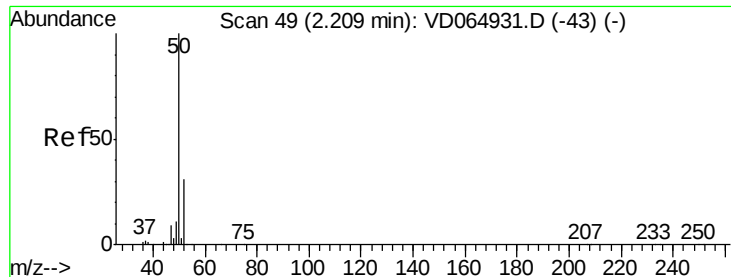
87 38.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.17 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

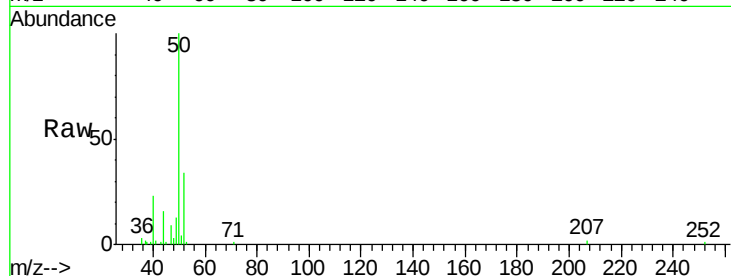
VSTDIC005

Tgt Ion: 50 Resp: 24083

Ion Ratio Lower Upper

50 100

52 34.5 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

20000

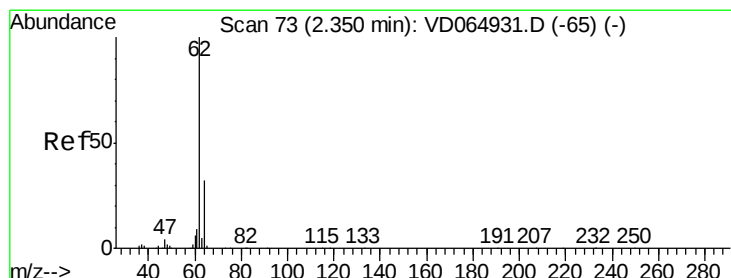
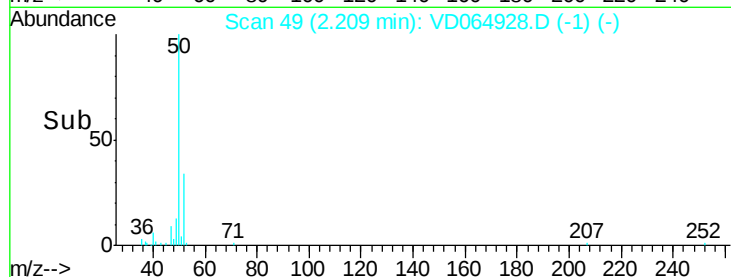
15000

10000

5000

0

Time--> 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 4.80 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064928.D

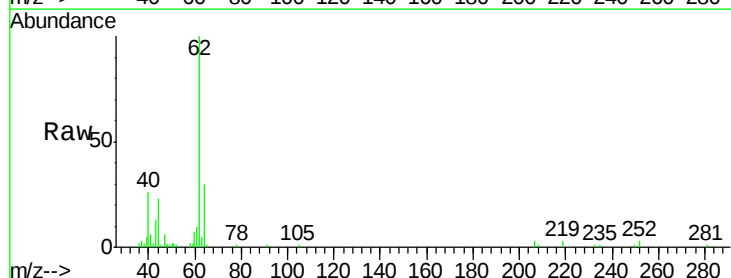
Acq: 23 Jan 2020 10:58

Tgt Ion: 62 Resp: 27101

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

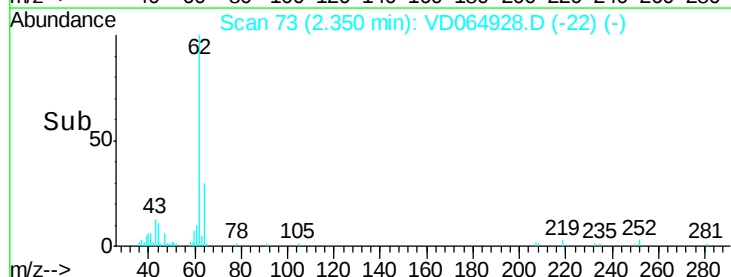
15000

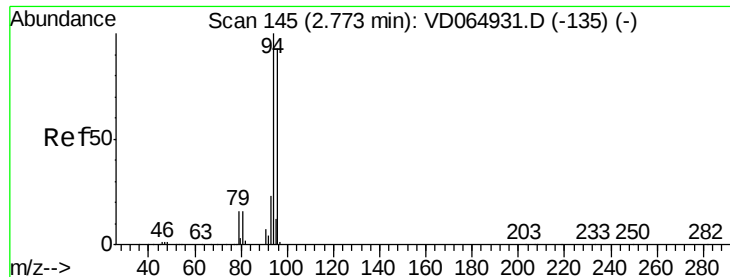
10000

5000

0

Time--> 2.30 2.35 2.40





#5

Bromomethane

Concen: 4.93 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

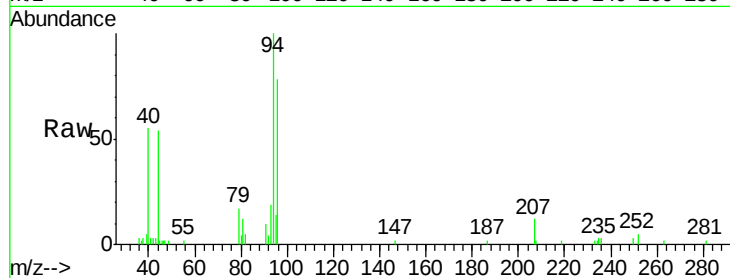
VSTDIC005

Tgt Ion: 94 Resp: 19999

Ion Ratio Lower Upper

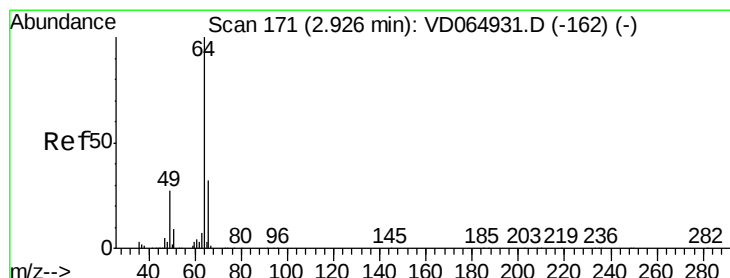
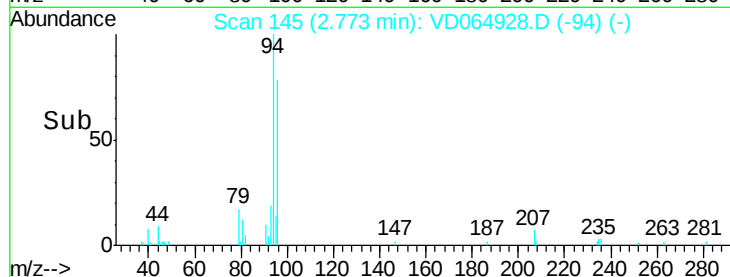
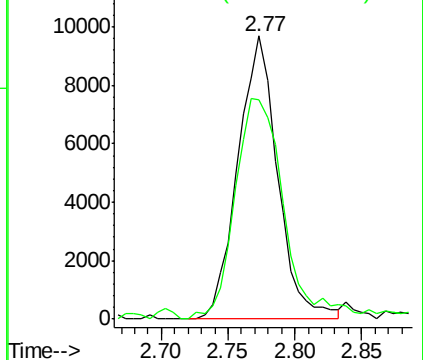
94 100

96 77.7 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: 4.88 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064928.D

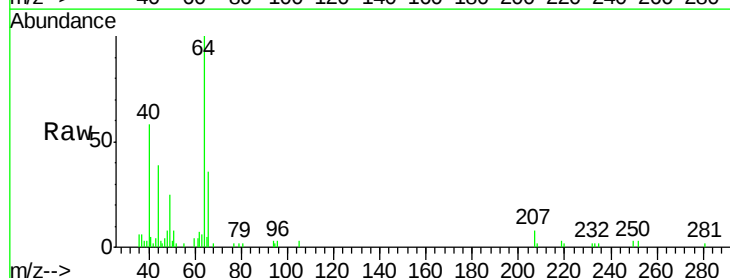
Acq: 23 Jan 2020 10:58

Tgt Ion: 64 Resp: 18277

Ion Ratio Lower Upper

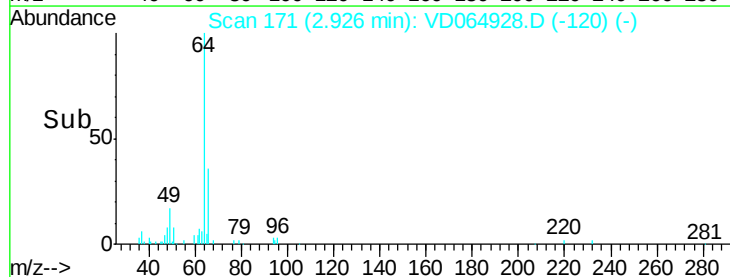
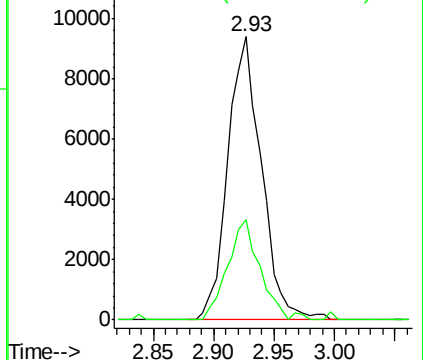
64 100

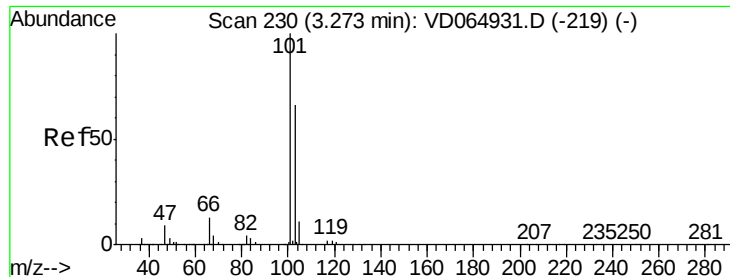
66 35.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 4.51 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

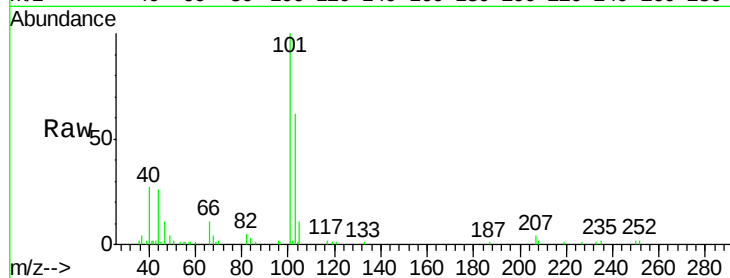
VSTDIC005

Tgt Ion:101 Resp: 42223

Ion Ratio Lower Upper

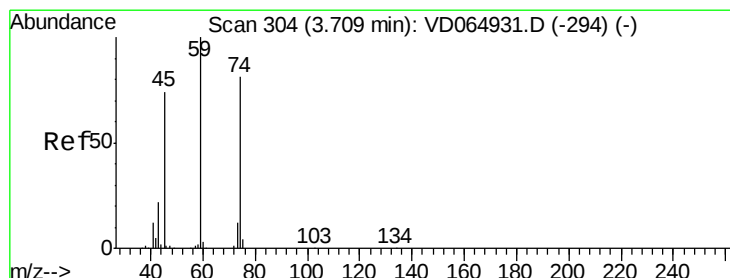
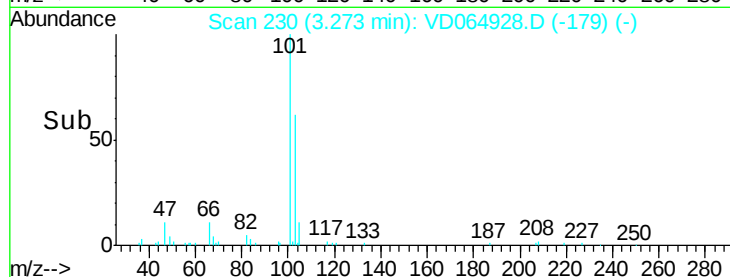
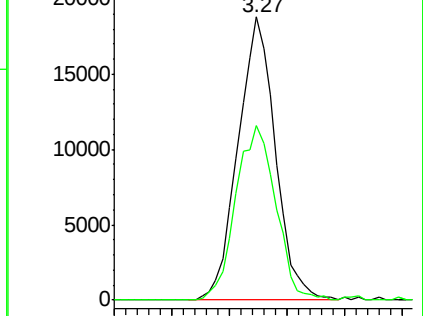
101 100

103 61.8 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: 5.11 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD064928.D

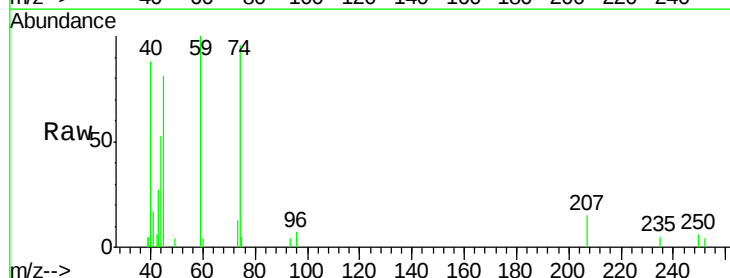
Acq: 23 Jan 2020 10:58

Tgt Ion: 74 Resp: 9682

Ion Ratio Lower Upper

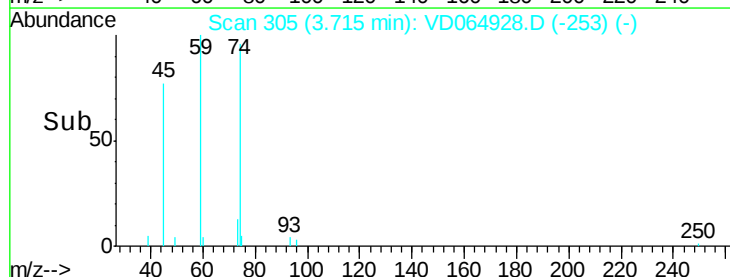
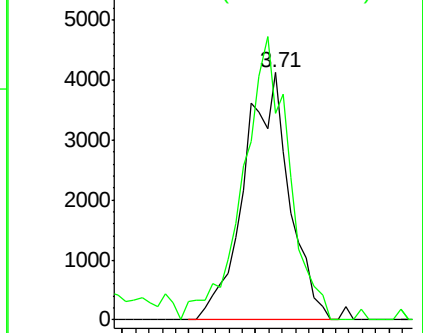
74 100

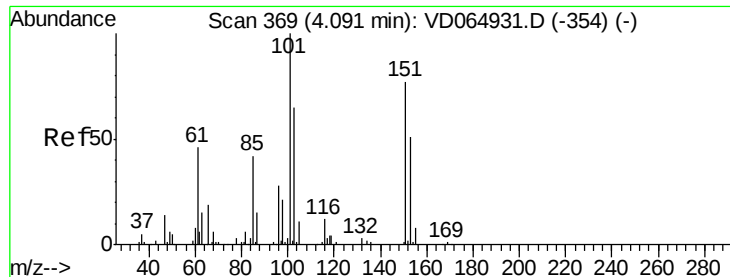
45 115.6 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.25 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

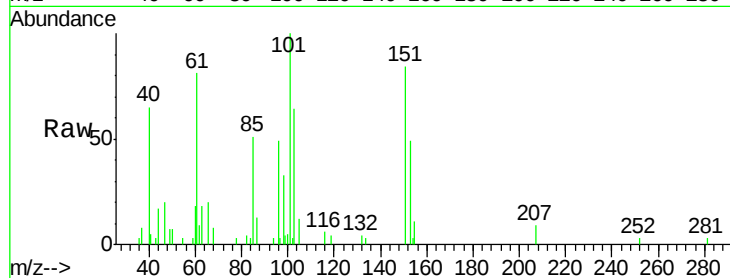
Tgt Ion:101 Resp: 20671

Ion Ratio Lower Upper

101 100

85 46.5 35.0 52.4

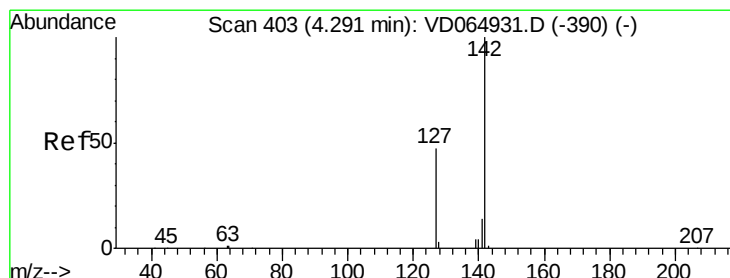
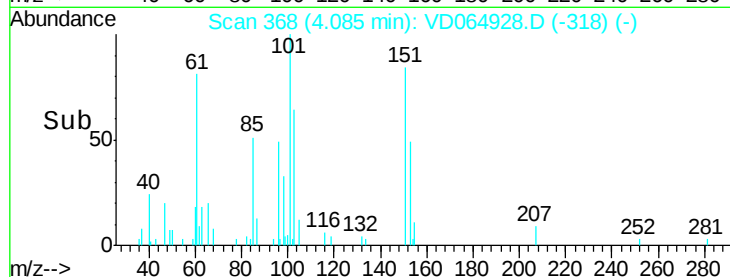
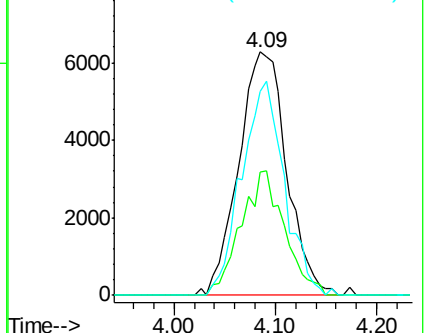
151 78.6 64.6 96.8



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: 4.10 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

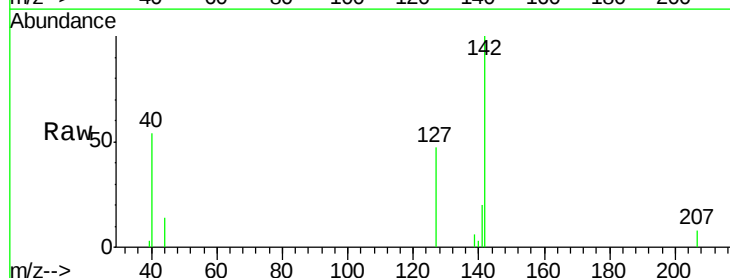
Tgt Ion:142 Resp: 17290

Ion Ratio Lower Upper

142 100

127 44.8 36.2 54.2

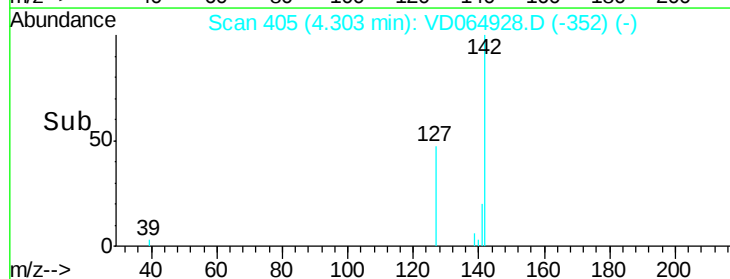
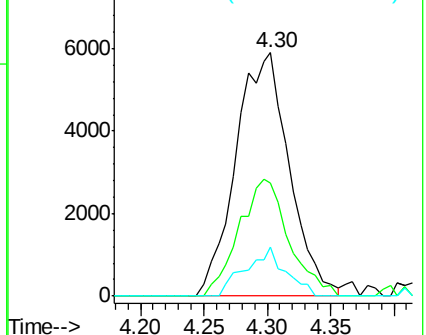
141 15.0 11.6 17.4

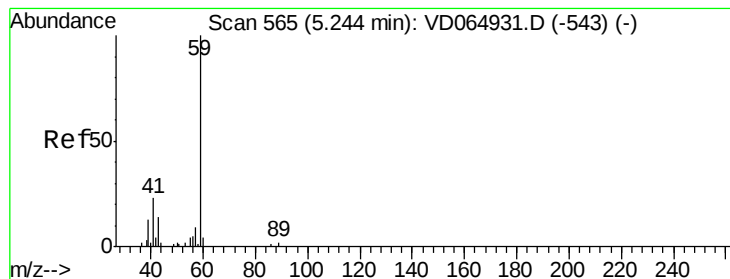


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 19.04 ug/l

RT: 5.17 min Scan# 553

Delta R.T. -0.07 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

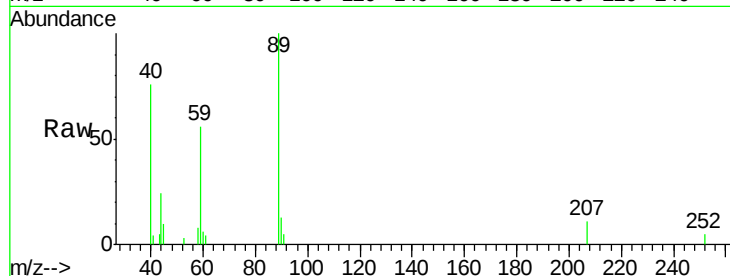
VSTDIC005

Tgt Ion: 59 Resp: 4160

Ion Ratio Lower Upper

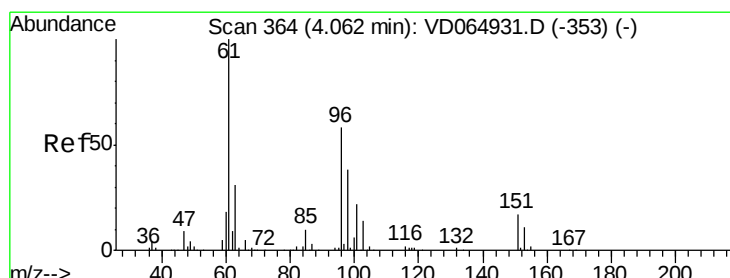
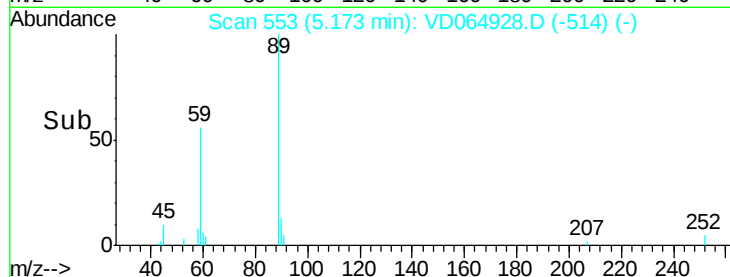
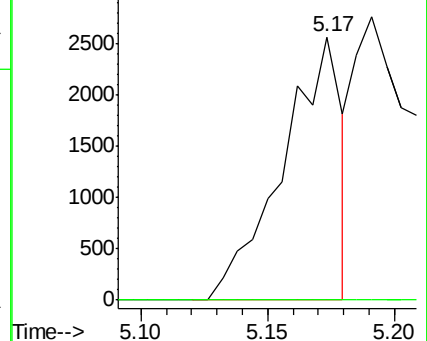
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 5.12 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

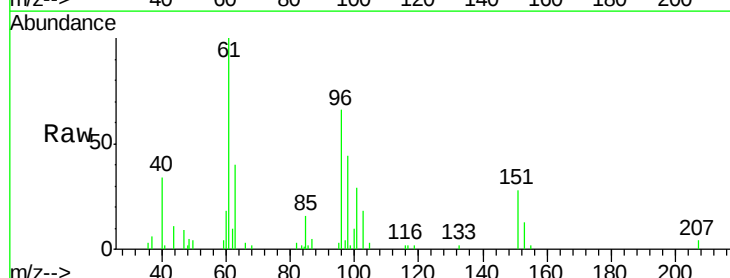
Tgt Ion: 96 Resp: 19186

Ion Ratio Lower Upper

96 100

61 152.1 137.0 205.4

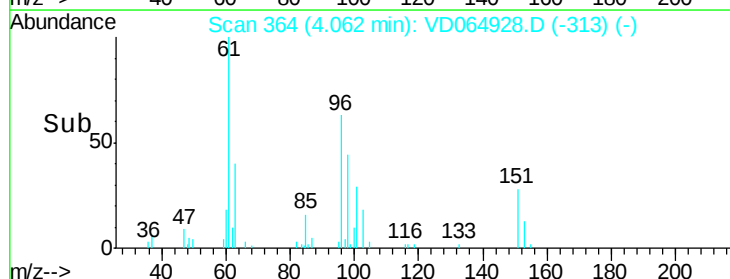
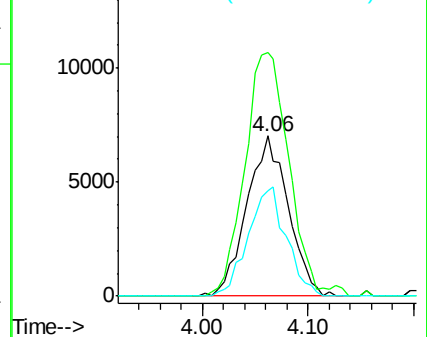
98 66.2 52.1 78.1

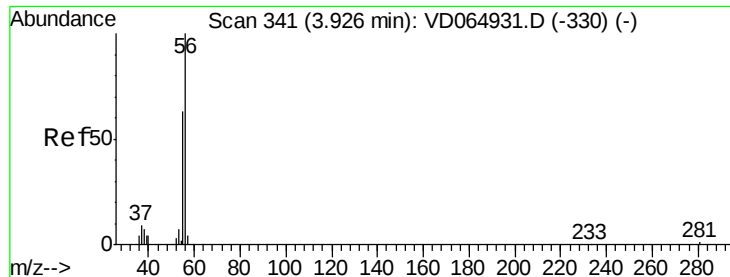


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 26.91 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

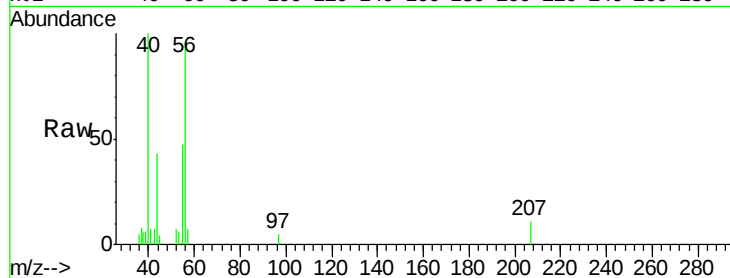
VSTDIC005

Tgt Ion: 56 Resp: 7962

Ion Ratio Lower Upper

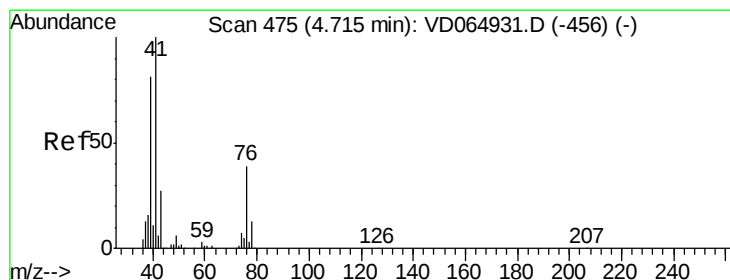
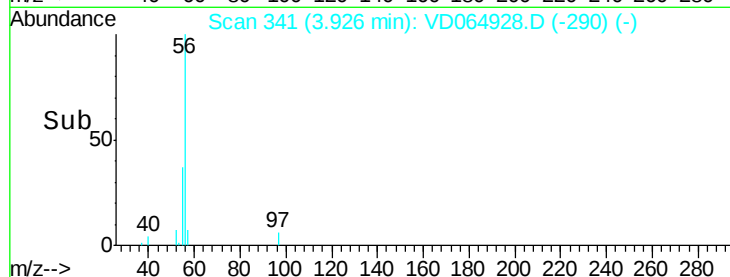
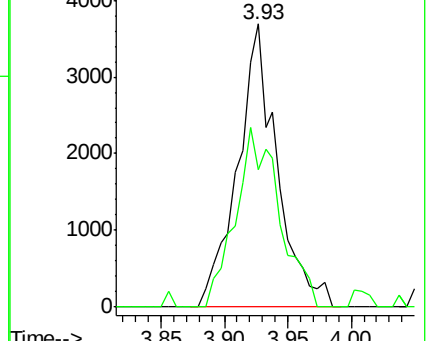
56 100

55 70.6 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.89 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

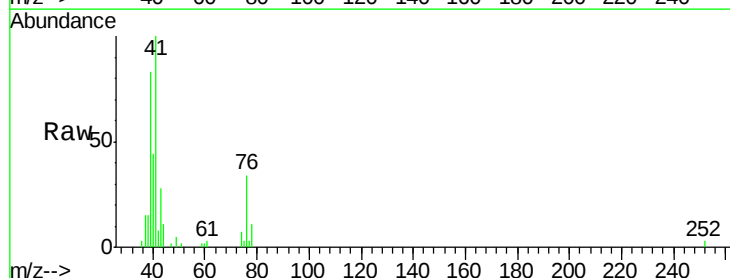
Tgt Ion: 41 Resp: 28784

Ion Ratio Lower Upper

41 100

39 79.3 62.0 93.0

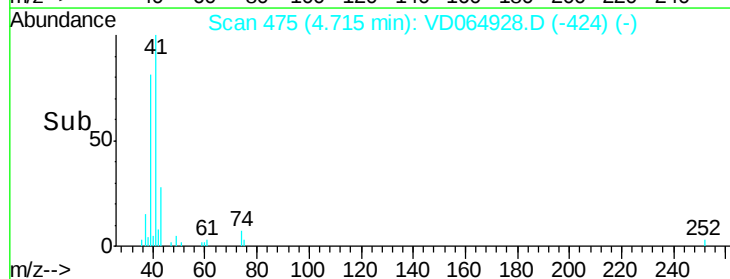
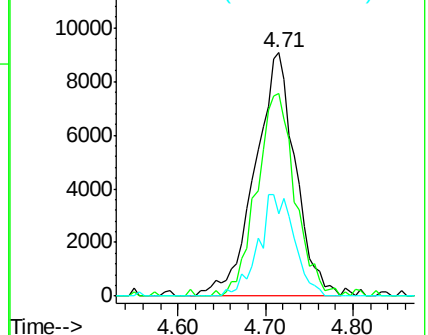
76 36.8 29.3 43.9

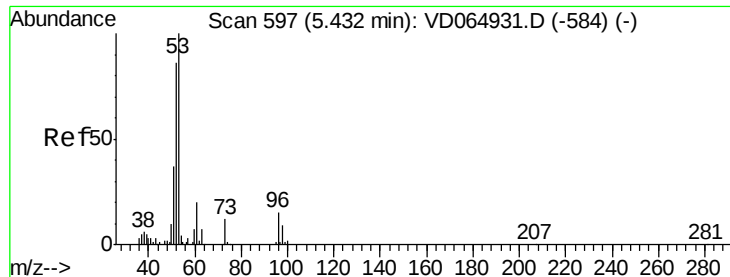


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 24.77 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

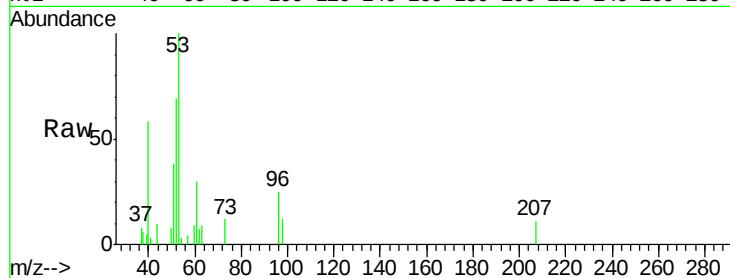
Tgt Ion: 53 Resp: 19592

Ion Ratio Lower Upper

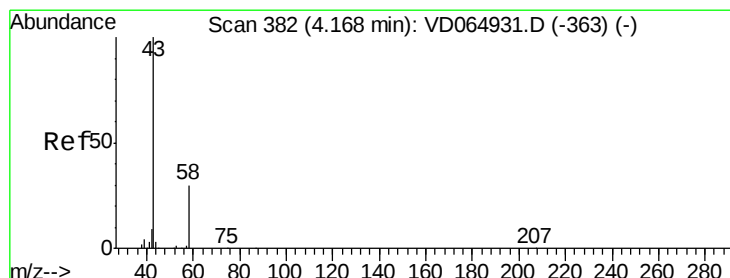
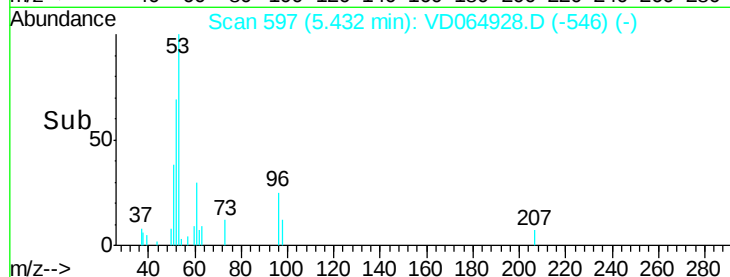
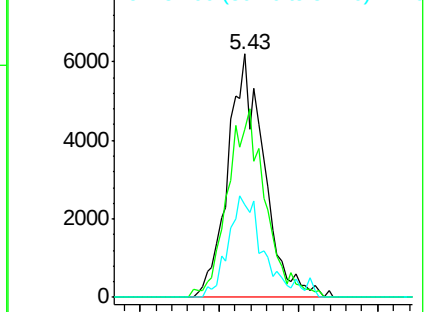
53 100

52 80.9 66.7 100.1

51 39.0 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: 30.99 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064928.D

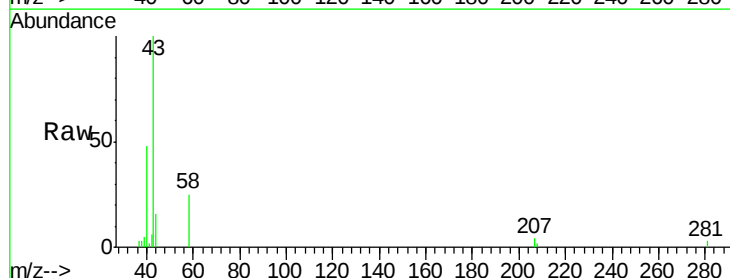
Acq: 23 Jan 2020 10:58

Tgt Ion: 43 Resp: 24532

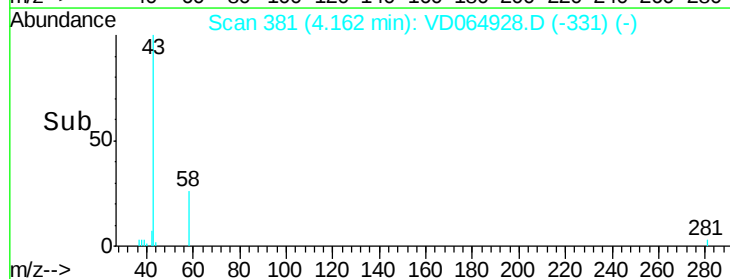
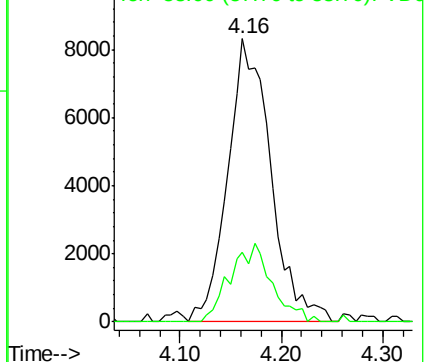
Ion Ratio Lower Upper

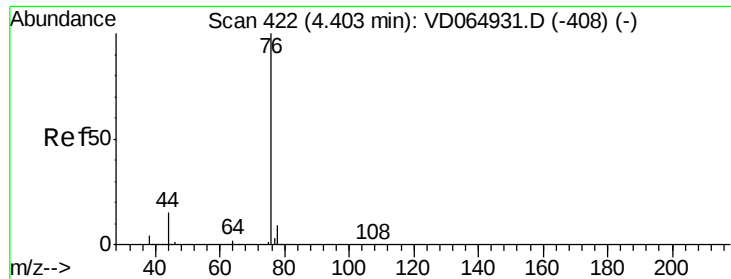
43 100

58 24.8 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: 5.07 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

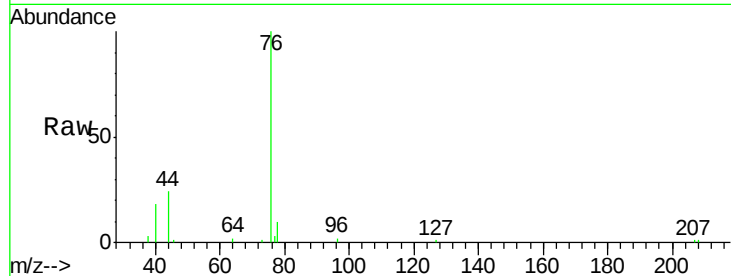
VSTDIC005

Tgt Ion: 76 Resp: 61811

Ion Ratio Lower Upper

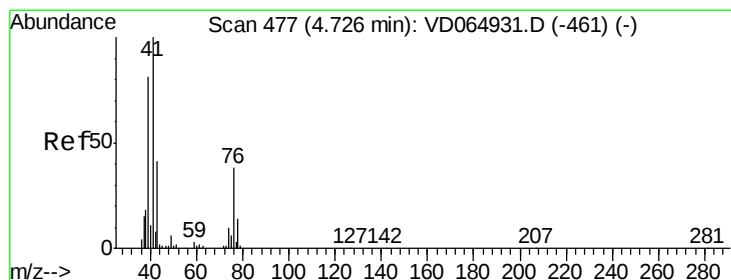
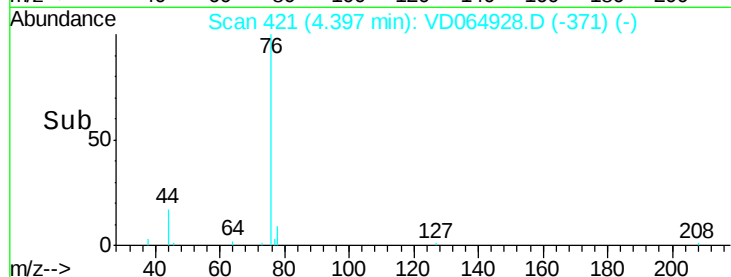
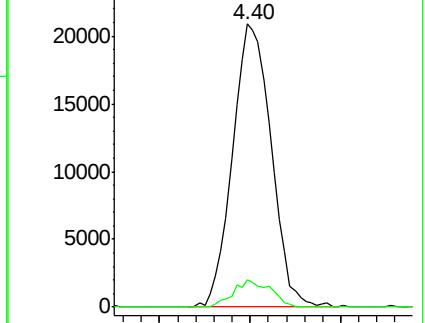
76 100

78 9.8 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: 4.84 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064928.D

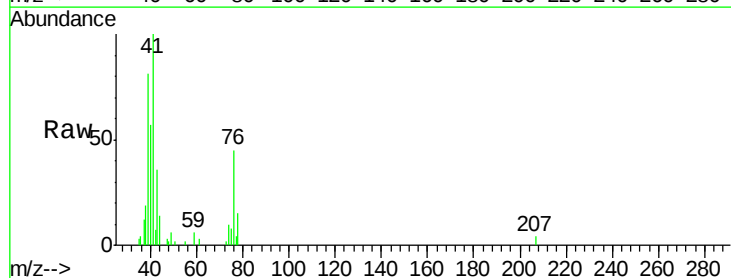
Acq: 23 Jan 2020 10:58

Tgt Ion: 43 Resp: 10112

Ion Ratio Lower Upper

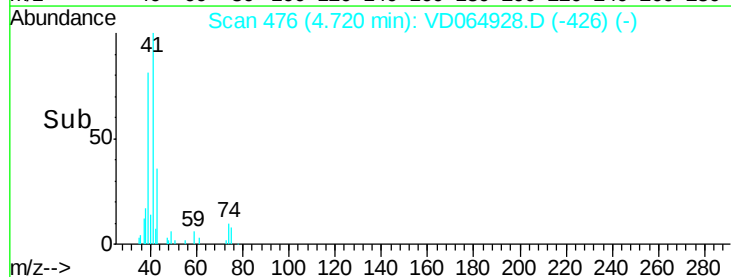
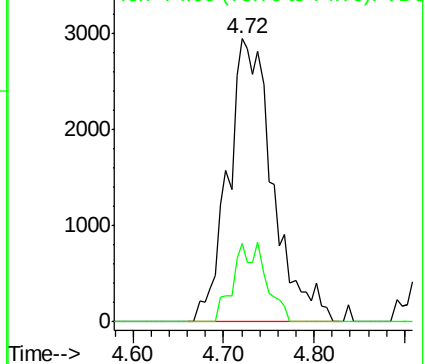
43 100

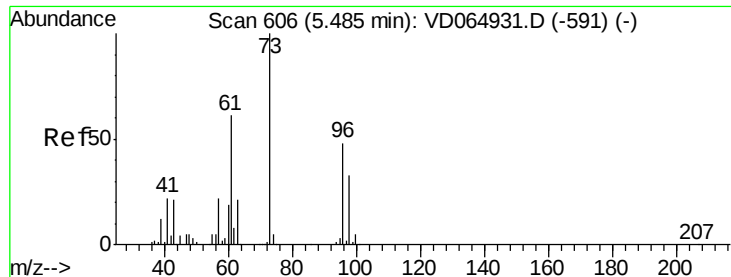
74 20.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 4.63 ug/l

RT: 5.49 min Scan# 606

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

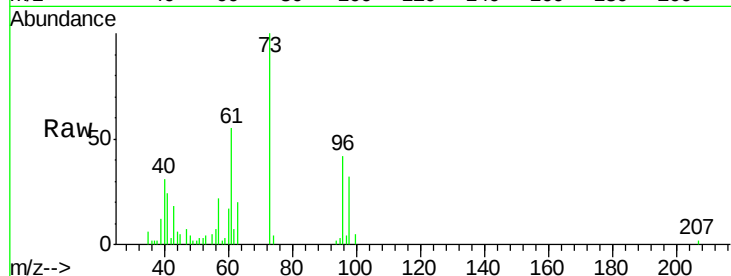
VSTDIC005

Tgt Ion: 73 Resp: 38681

Ion Ratio Lower Upper

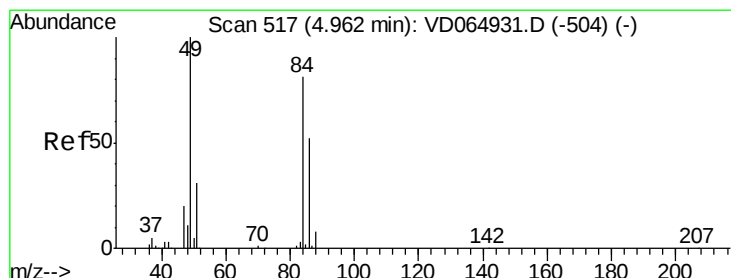
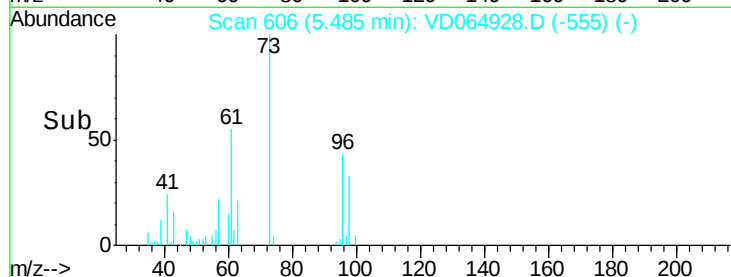
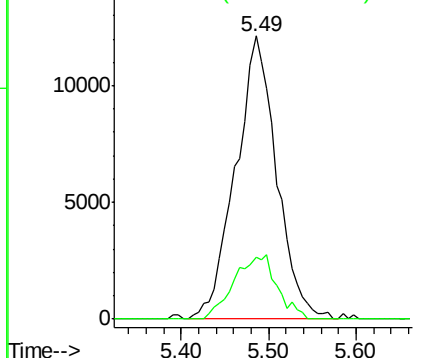
73 100

57 21.8 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 7.24 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion: 84 Resp: 32557

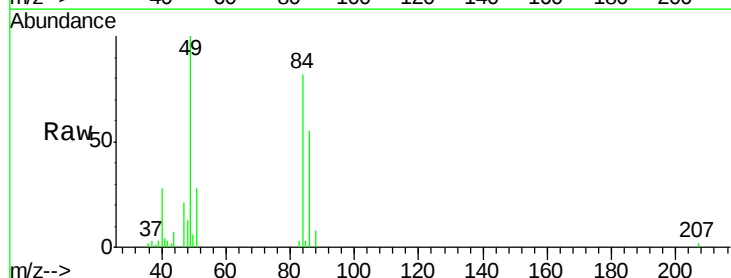
Ion Ratio Lower Upper

84 100

49 122.3 98.4 147.6

51 34.0 30.8 46.2

86 67.1 51.0 76.6

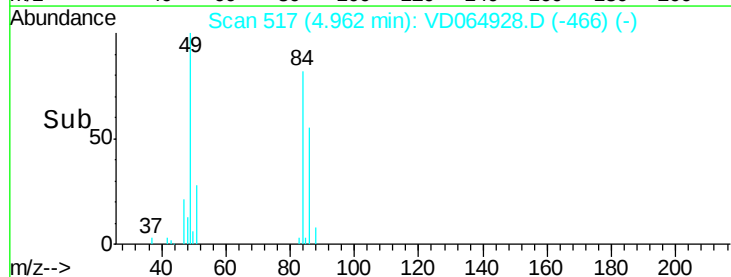
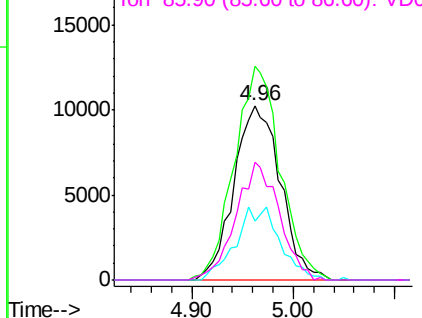


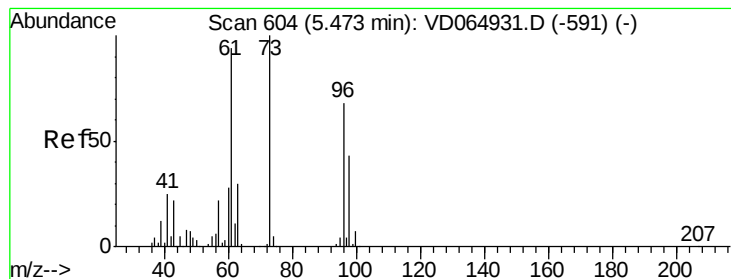
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 4.95 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

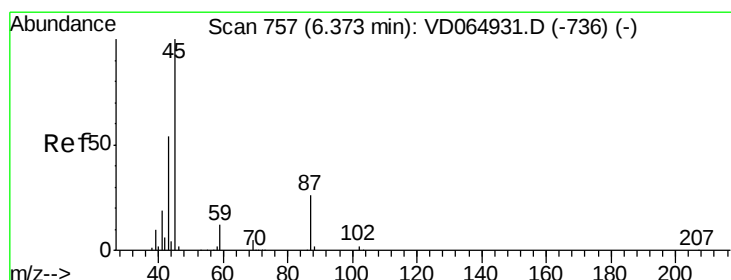
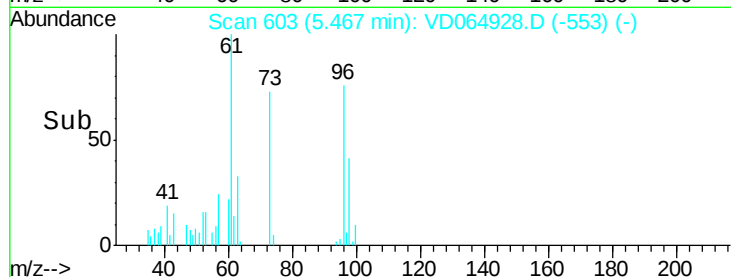
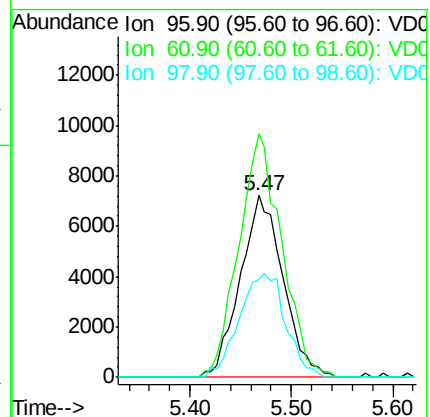
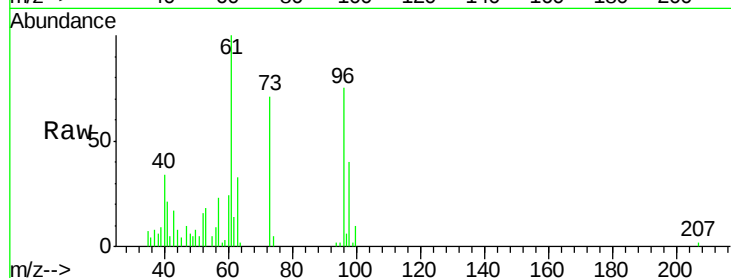
Tgt Ion: 96 Resp: 21251

Ion Ratio Lower Upper

96 100

61 133.7 110.4 165.6

98 53.9 50.5 75.7



#22

Diisopropyl ether

Concen: 4.61 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion: 45 Resp: 54027

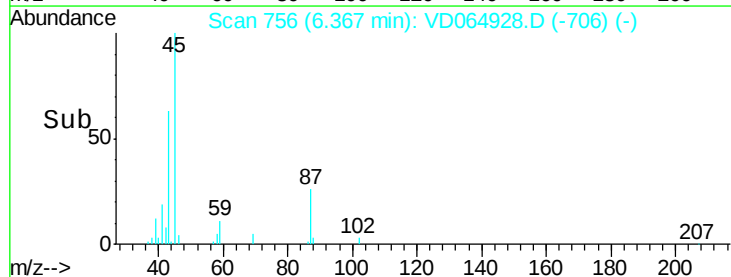
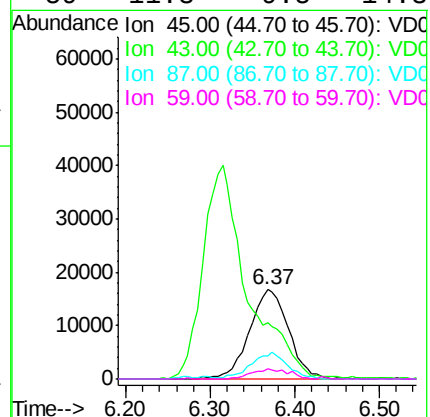
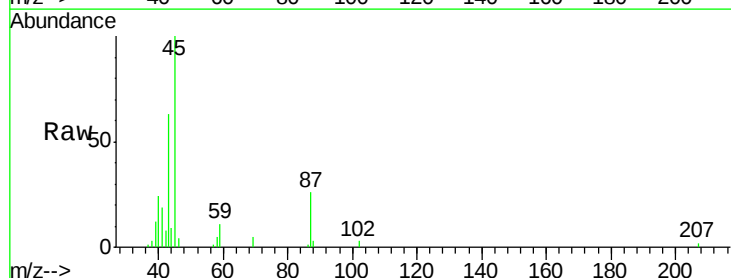
Ion Ratio Lower Upper

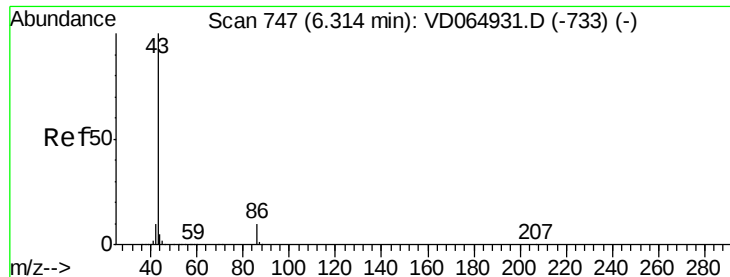
45 100

43 62.0 43.1 64.7

87 25.7 21.4 32.2

59 11.3 9.5 14.3





#23

Vinyl Acetate

Concen: 22.01 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

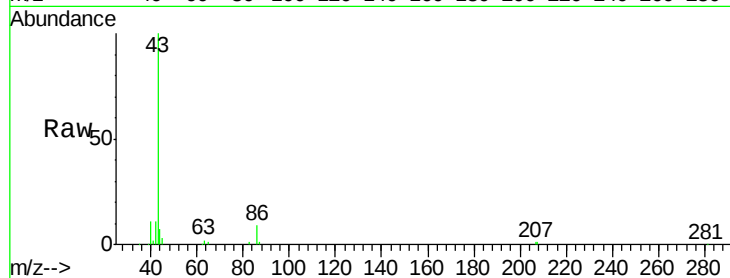
VSTDIC005

Tgt Ion: 43 Resp: 146811

Ion Ratio Lower Upper

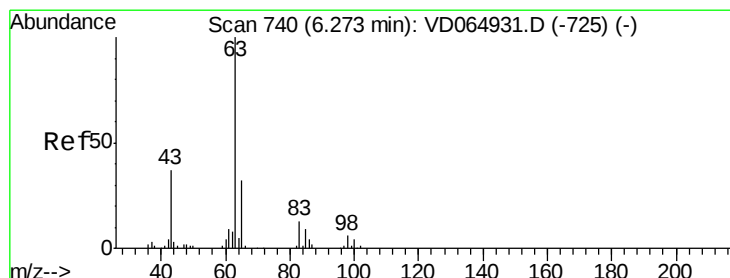
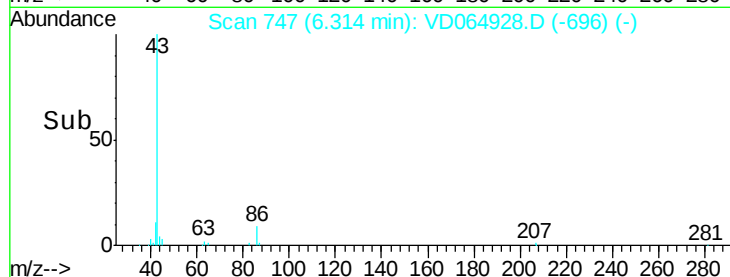
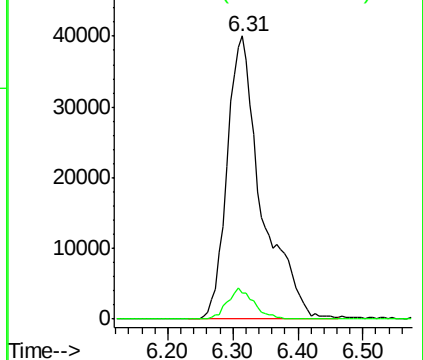
43 100

86 9.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.09 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

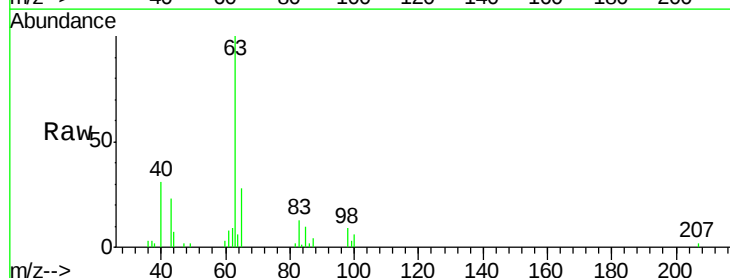
Tgt Ion: 63 Resp: 35881

Ion Ratio Lower Upper

63 100

98 8.9 3.1 9.3

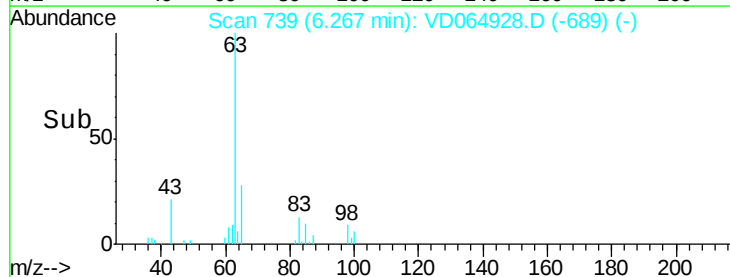
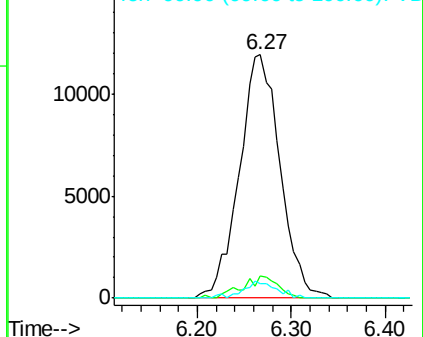
100 5.7 2.3 6.8

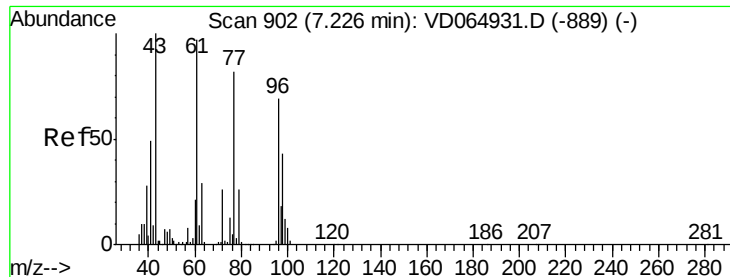


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 25.58 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

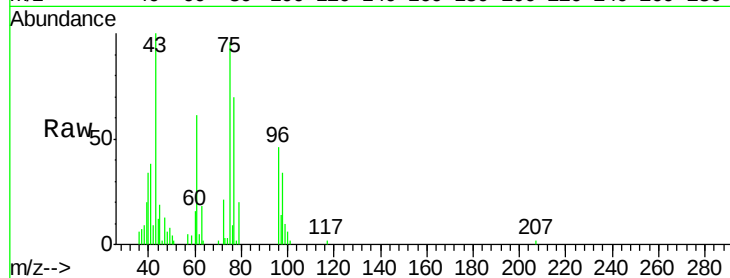
VSTDIC005

Tgt Ion: 43 Resp: 26893

Ion Ratio Lower Upper

43 100

72 20.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

10000

8000

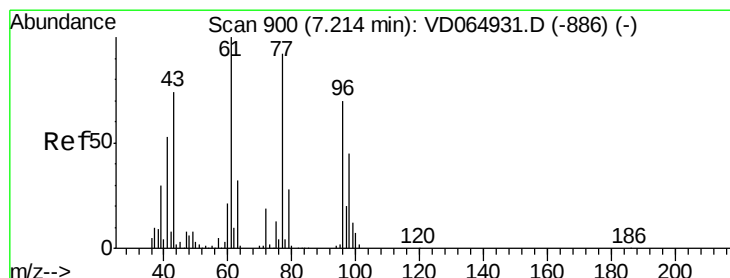
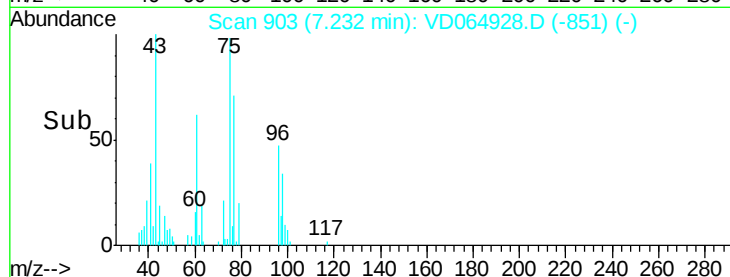
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 5.06 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064928.D

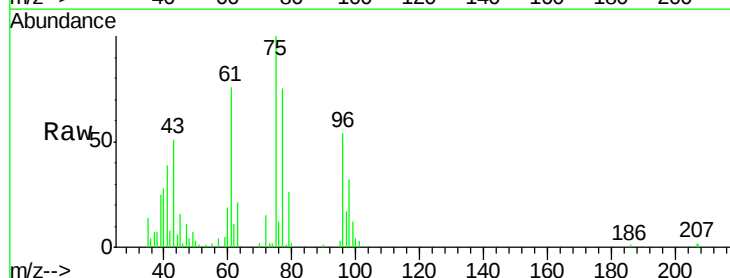
Acq: 23 Jan 2020 10:58

Tgt Ion: 77 Resp: 33025

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

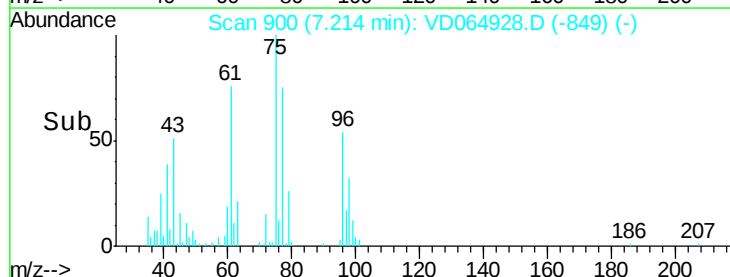
7.21

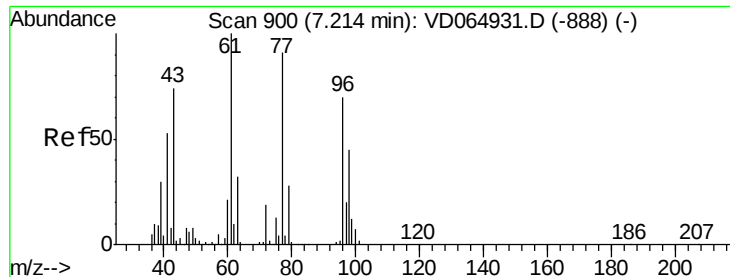
10000

5000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 4.97 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

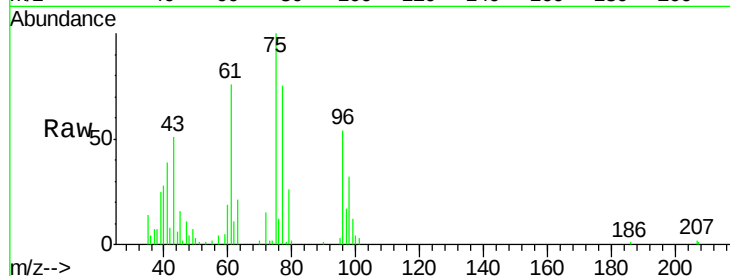
Tgt Ion: 96 Resp: 22861

Ion Ratio Lower Upper

96 100

61 144.5 0.0 292.8

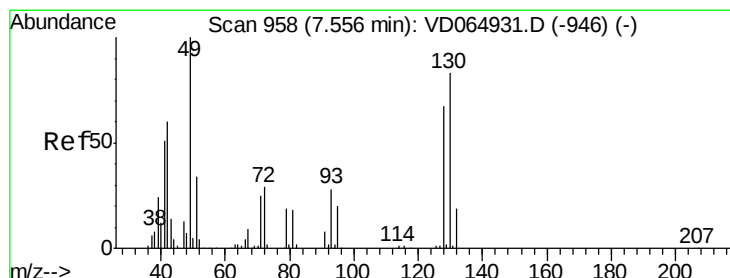
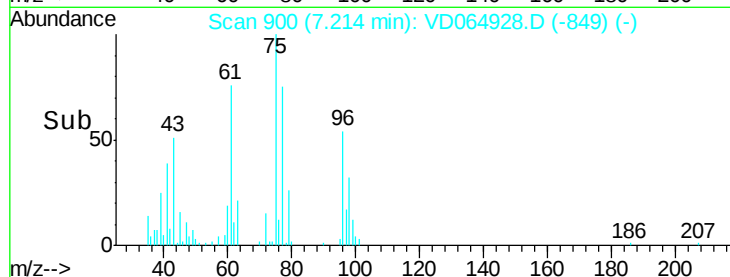
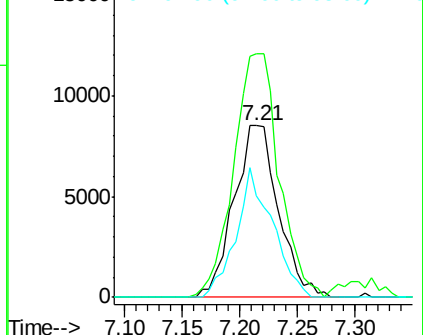
98 61.6 0.0 130.0



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: 5.57 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

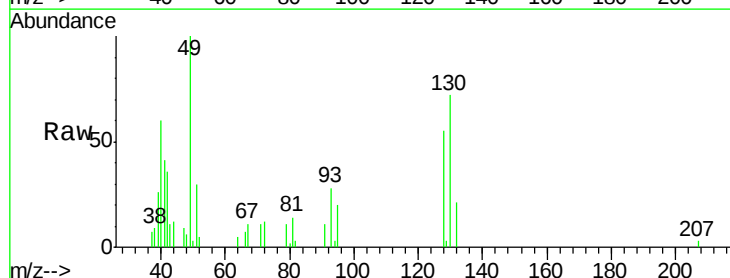
Tgt Ion: 49 Resp: 15515

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.4

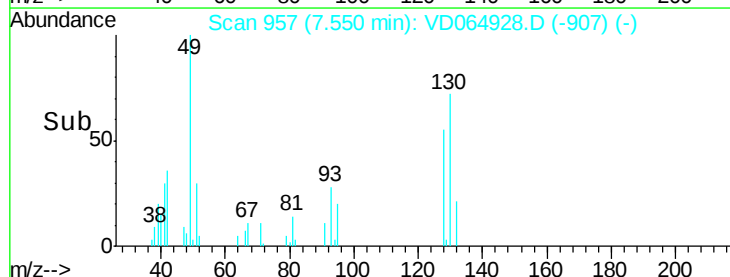
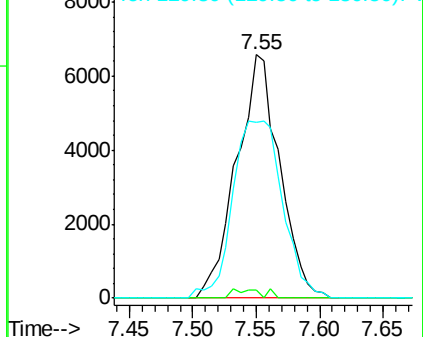
130 84.1 63.8 95.8

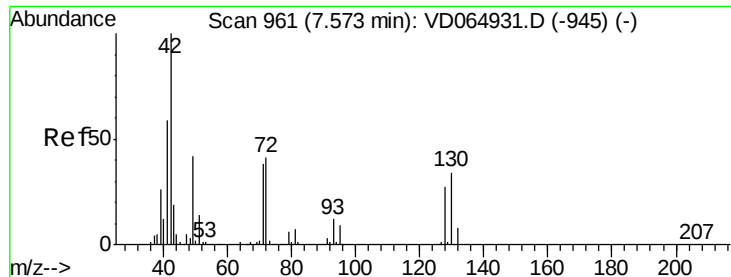


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

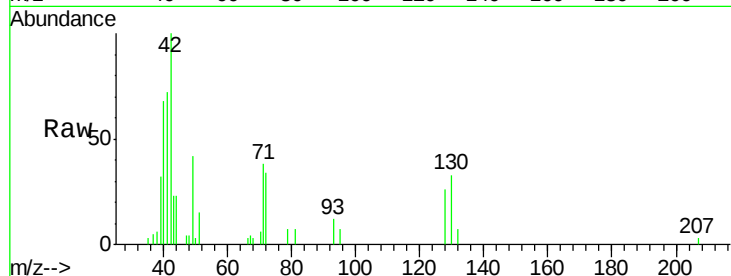




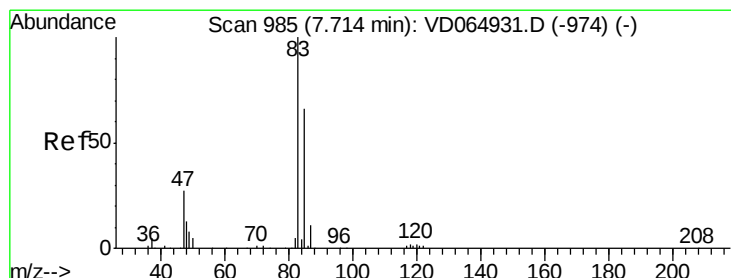
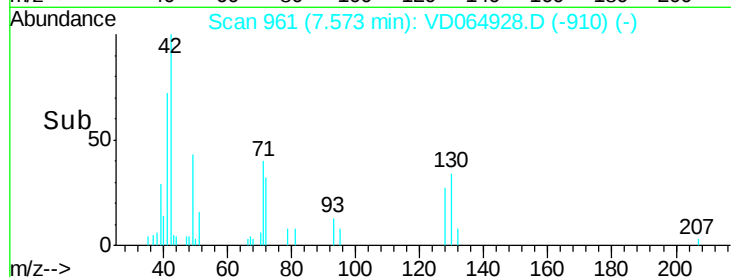
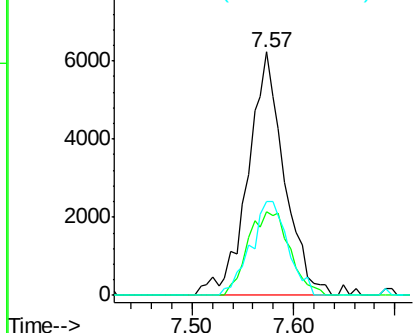
#29
Tetrahydrofuran
Concen: 23.87 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 15490
Ion Ratio Lower Upper
42 100
72 39.5 34.0 51.0
71 39.3 31.5 47.3

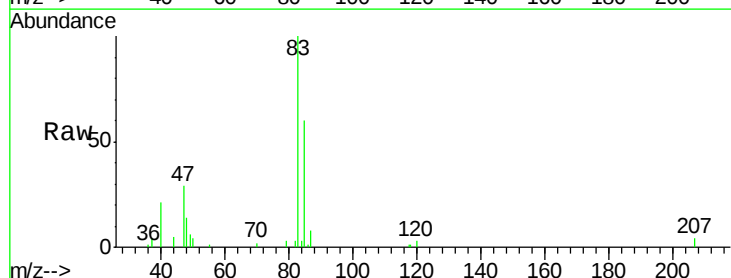


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

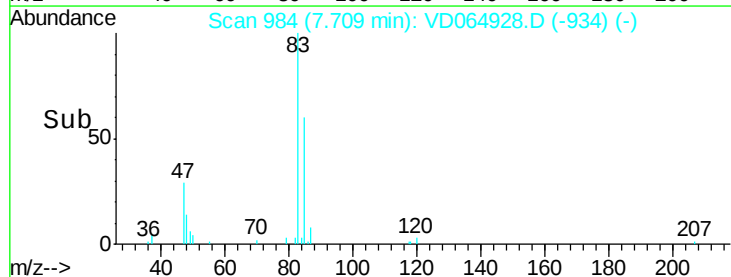
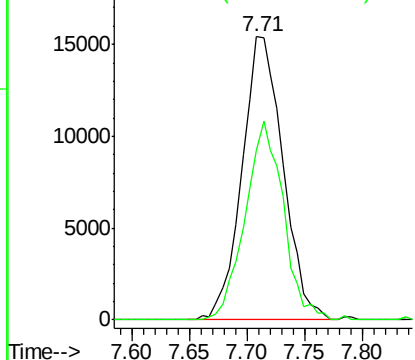


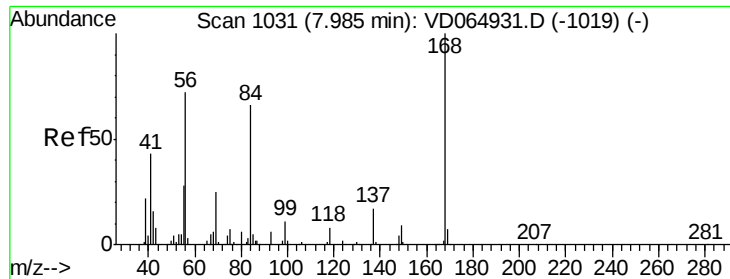
#30
Chloroform
Concen: 5.17 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 83 Resp: 38128
Ion Ratio Lower Upper
83 100
85 59.8 52.4 78.6



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

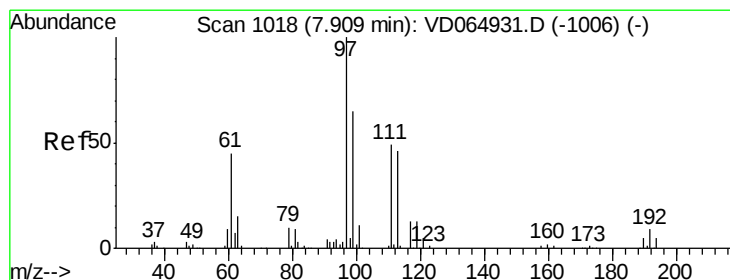
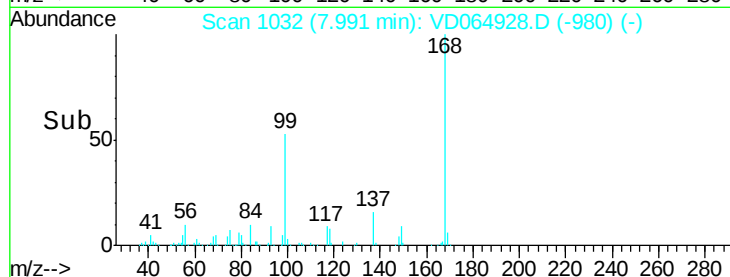
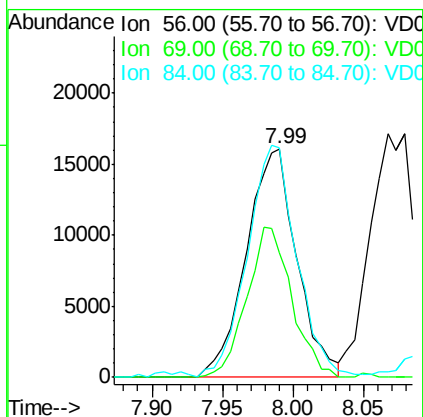
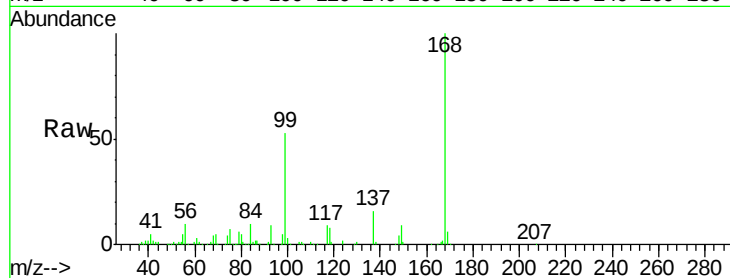




#31
Cyclohexane
Concen: 5.71 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

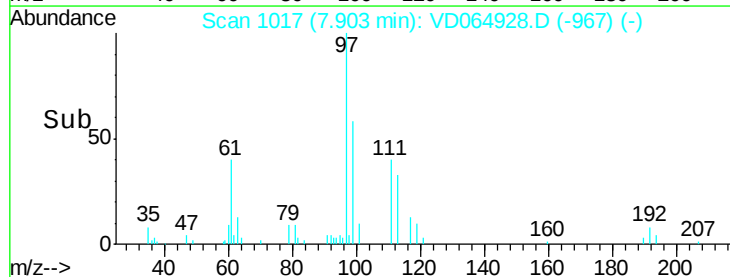
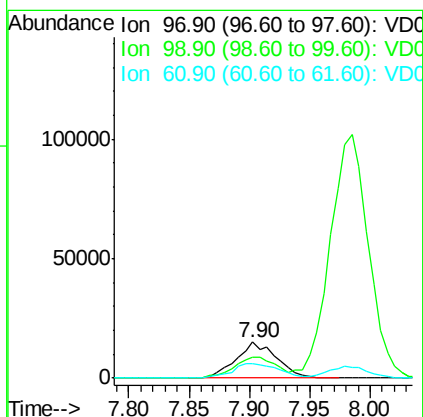
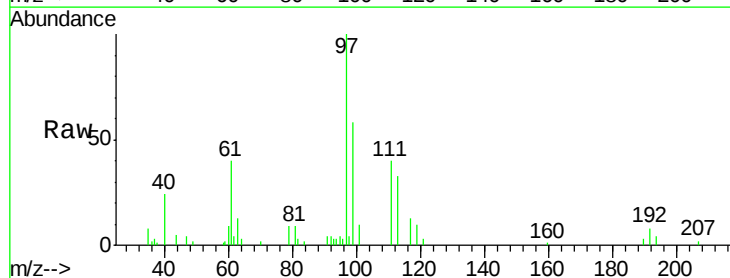
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

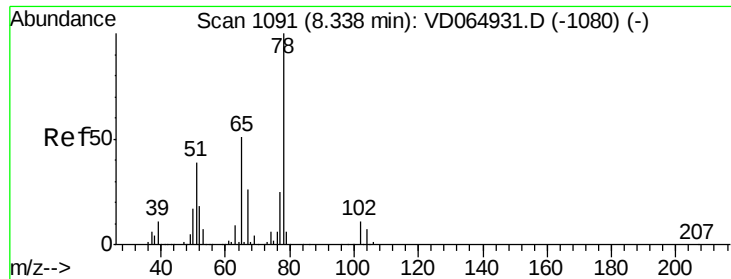
Tgt Ion: 56 Resp: 40336
Ion Ratio Lower Upper
56 100
69 54.4 27.9 41.9#
84 99.1 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 5.15 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 97 Resp: 35689
Ion Ratio Lower Upper
97 100
99 59.7 50.6 76.0
61 44.8 35.7 53.5

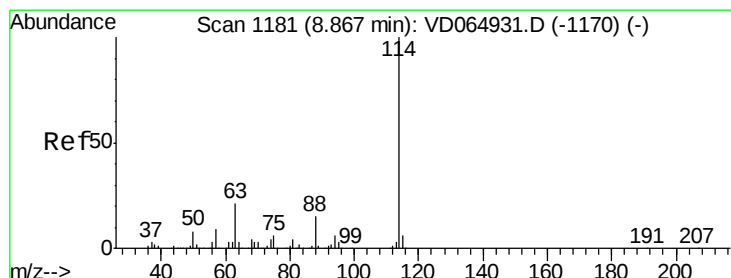
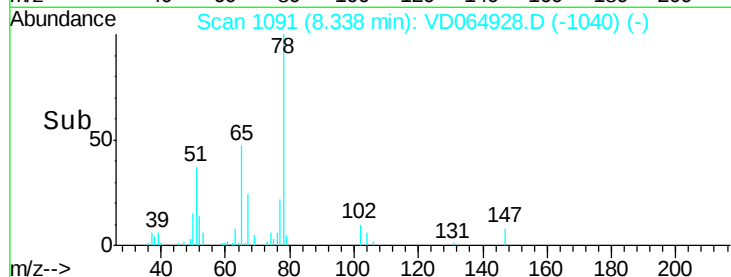
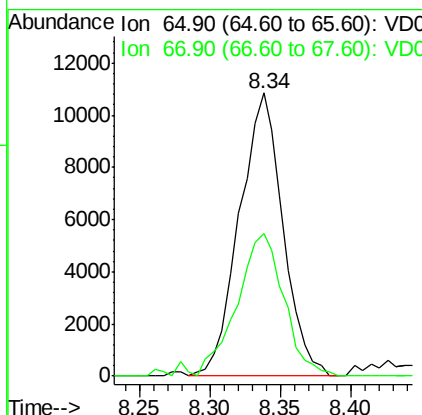
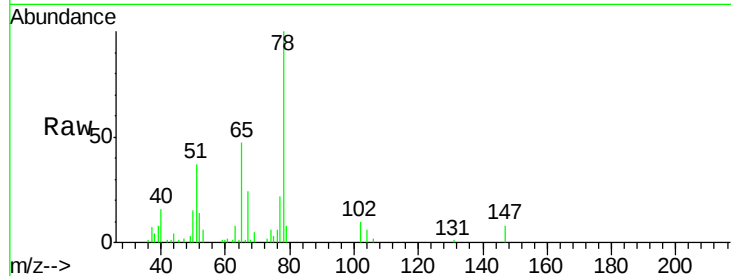




#33
 1,2-Dichloroethane-d4
 Concen: 6.09 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

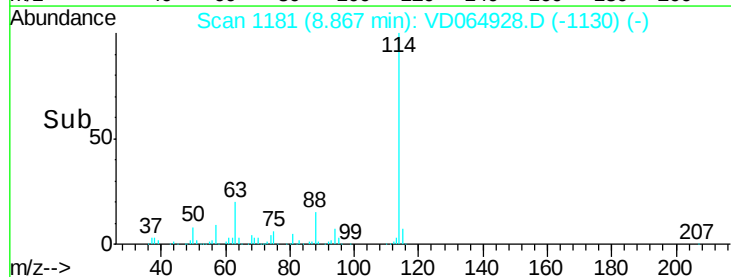
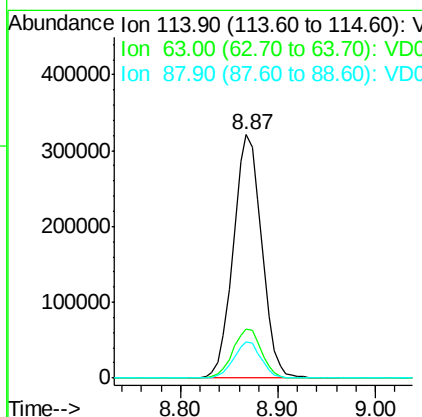
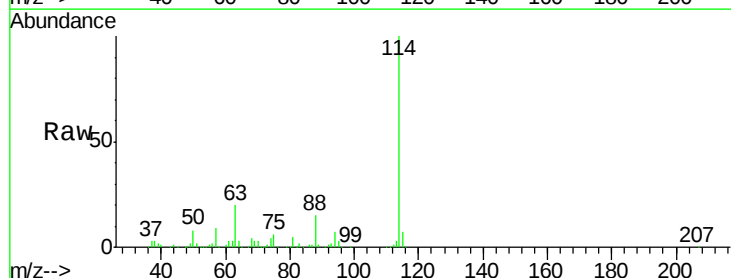
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 23452
 Ion Ratio Lower Upper
 65 100
 67 54.2 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: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 114 Resp: 650671
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.0
 88 14.8 0.0 29.4

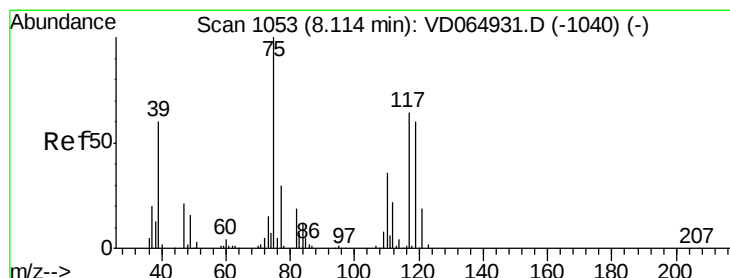
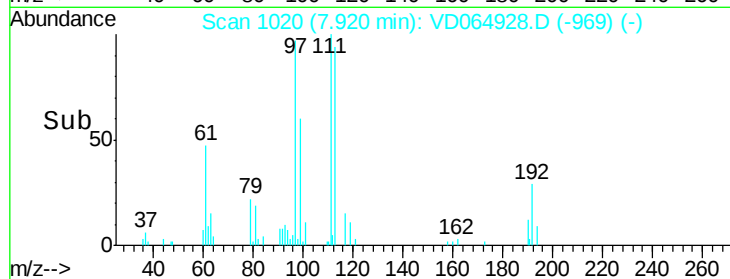
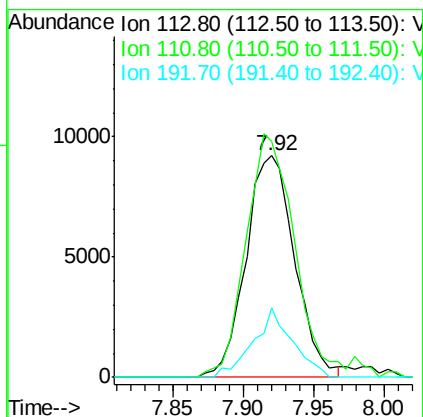
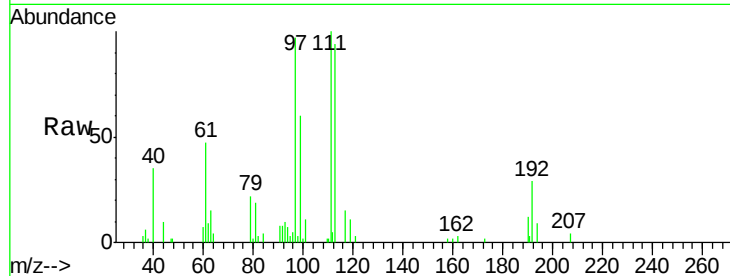




#35
Dibromofluoromethane
Concen: 5.55 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

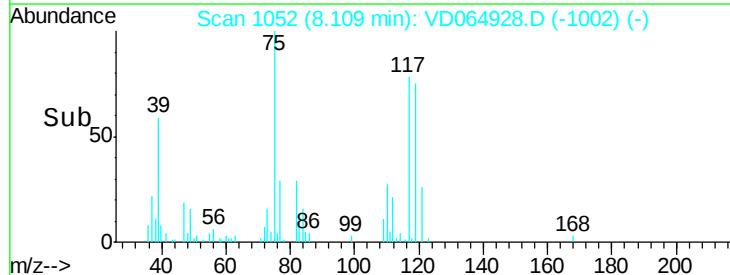
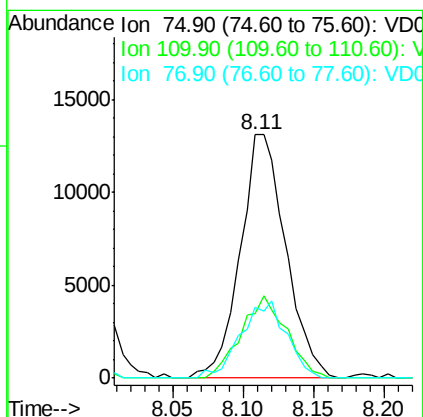
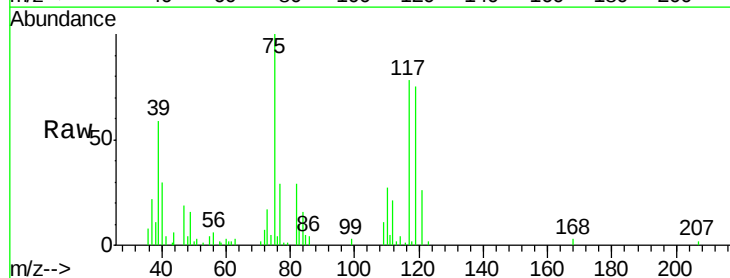
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

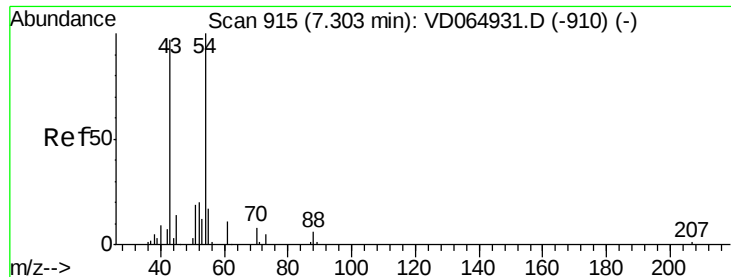
Tgt Ion: 113 Resp: 22294
Ion Ratio Lower Upper
113 100
111 109.2 82.4 123.6
192 25.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 75 Resp: 29601
Ion Ratio Lower Upper
75 100
110 33.6 17.3 52.0
77 31.7 24.7 37.1

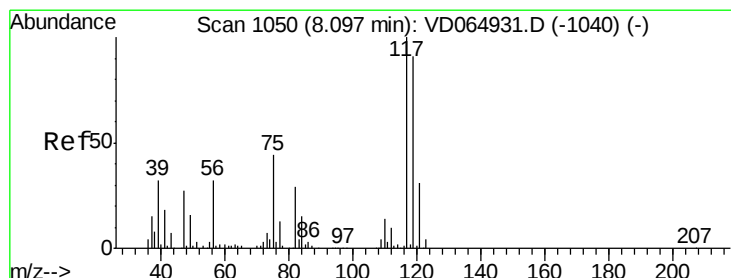
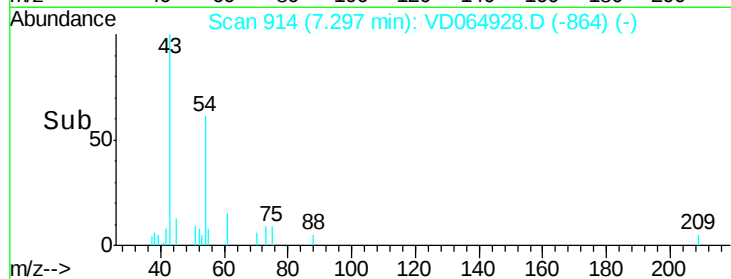
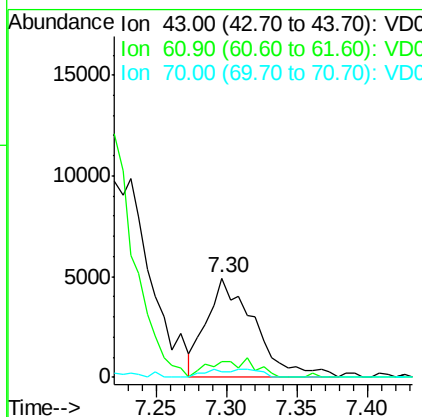
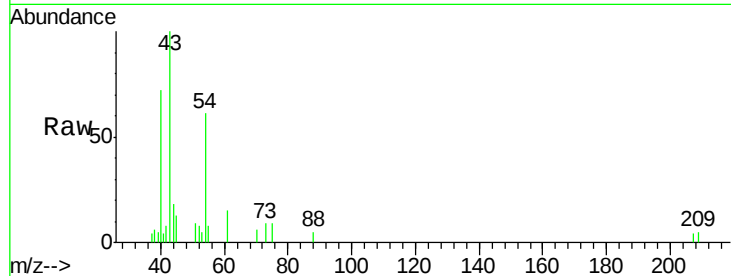




#37
Ethyl Acetate
Concen: 4.76 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

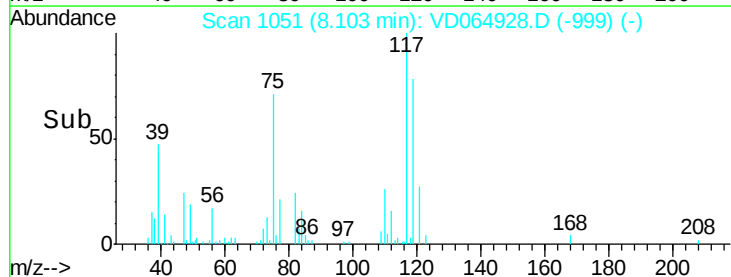
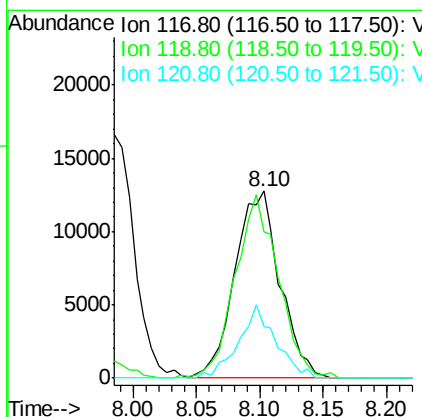
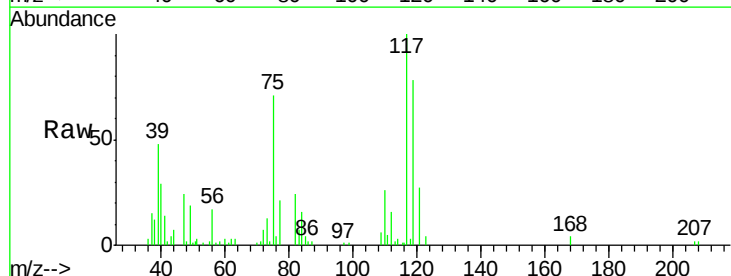
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

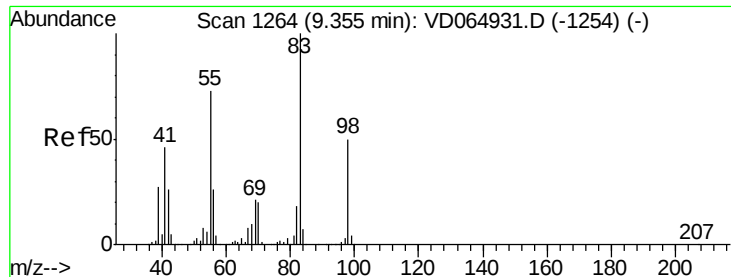
Tgt Ion: 43 Resp: 11620
Ion Ratio Lower Upper
43 100
61 10.6 11.0 16.4#
70 3.4 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 117 Resp: 31589
Ion Ratio Lower Upper
117 100
119 78.4 73.2 109.8
121 27.2 24.4 36.6

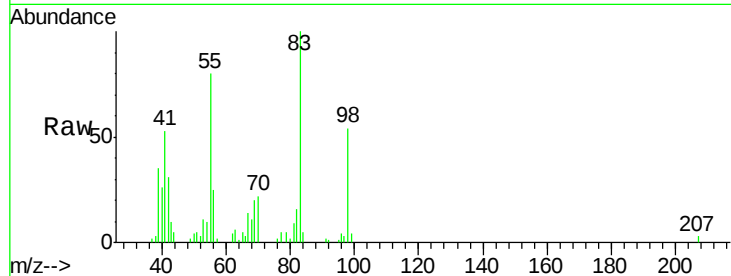




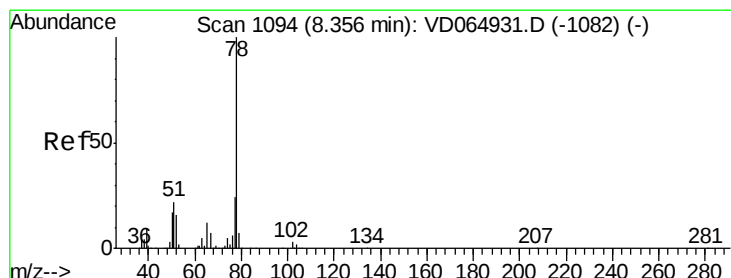
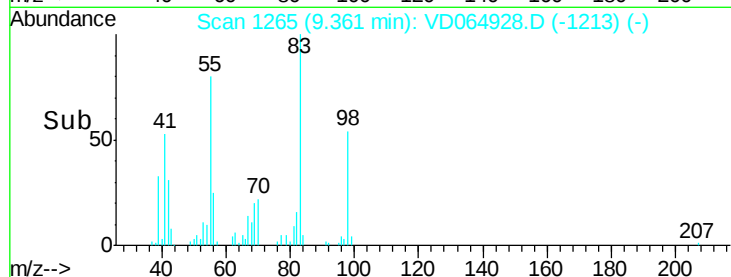
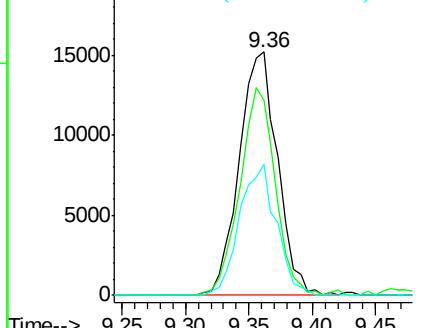
#39
Methylcyclohexane
Concen: 4.25 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 32051
Ion Ratio Lower Upper
83 100
55 79.9 58.7 88.1
98 53.7 40.2 60.2

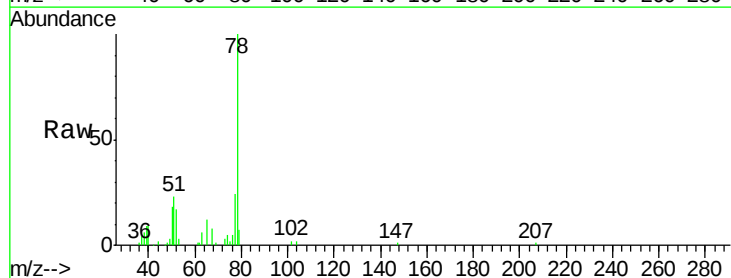


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

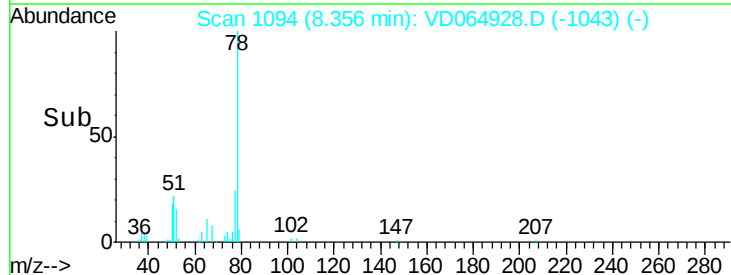
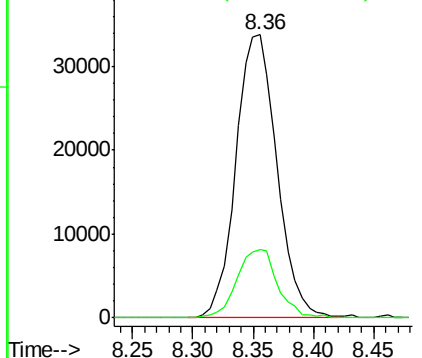


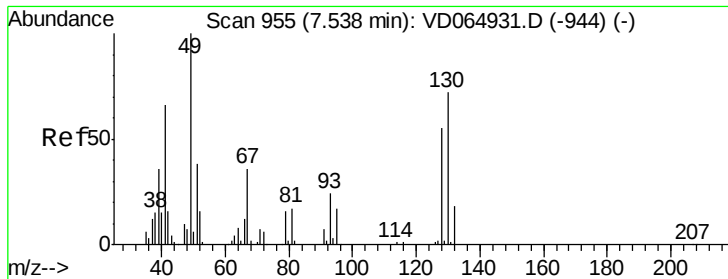
#40
Benzene
Concen: 4.68 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 78 Resp: 80069
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 4.69 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 6712

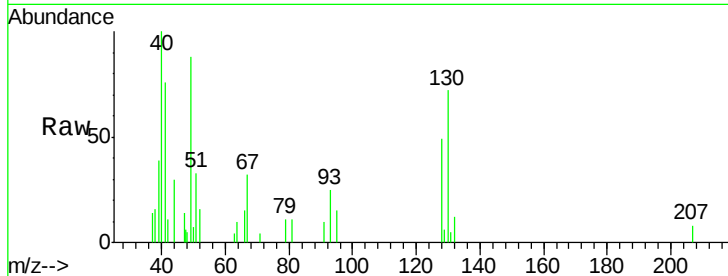
Ion Ratio Lower Upper

41 100

39 45.4 49.3 73.9#

67 60.8 51.0 76.6

52 31.6 22.3 33.5

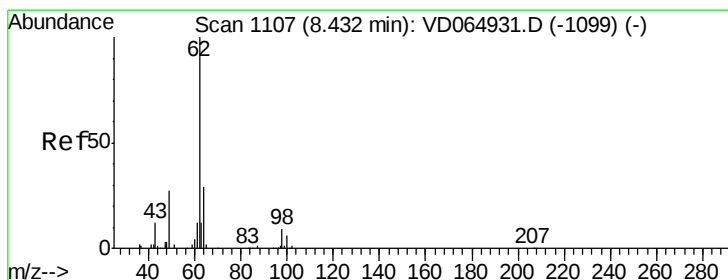
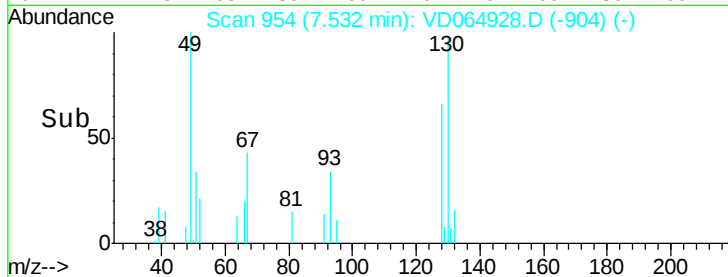
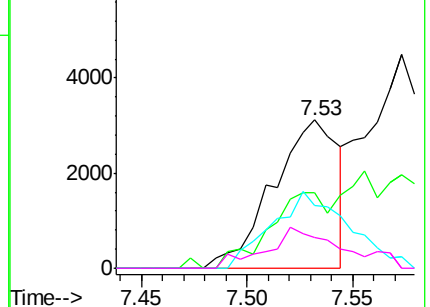


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 5.07 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064928.D

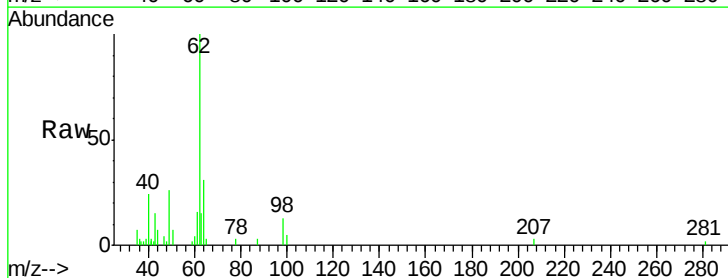
Acq: 23 Jan 2020 10:58

Tgt Ion: 62 Resp: 25162

Ion Ratio Lower Upper

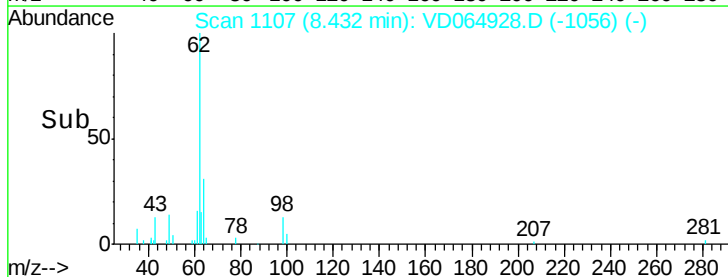
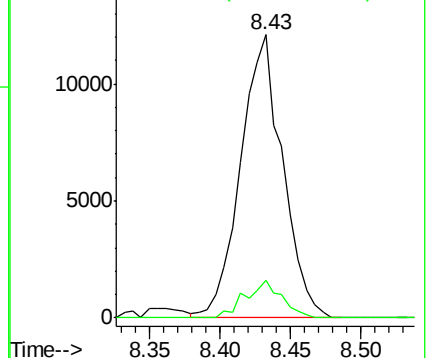
62 100

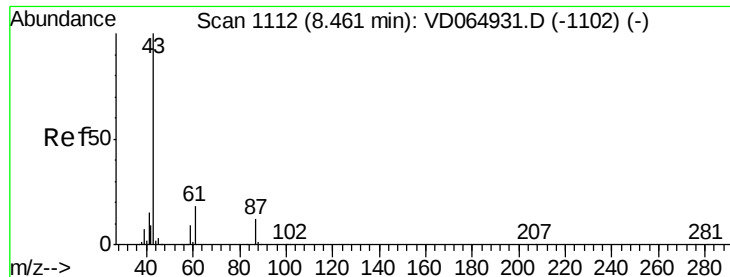
98 11.5 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 4.60 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

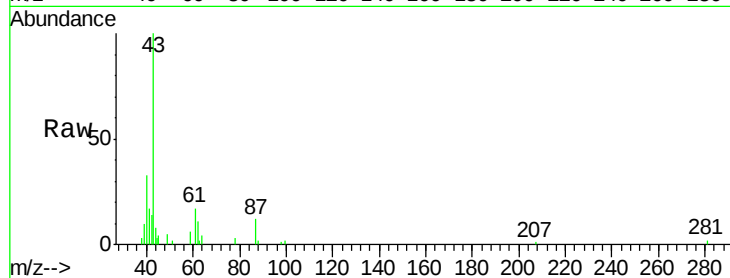
Tgt Ion: 43 Resp: 22406

Ion Ratio Lower Upper

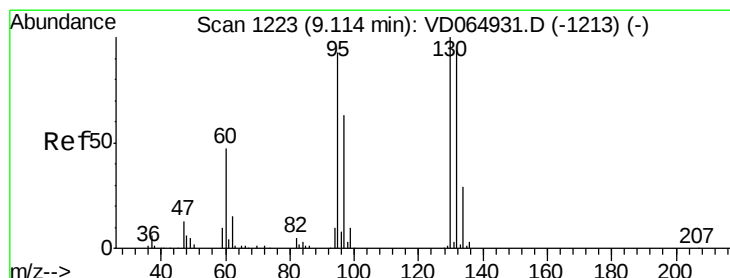
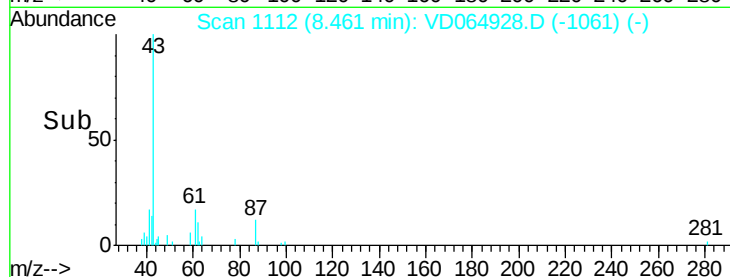
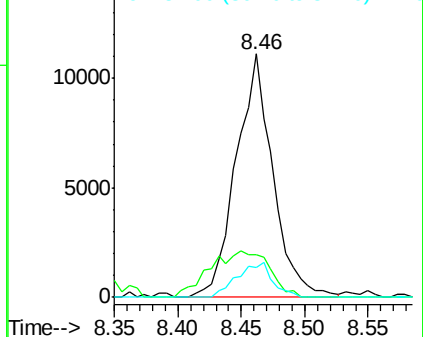
43 100

61 30.8 23.8 35.6

87 13.9 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: 4.50 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064928.D

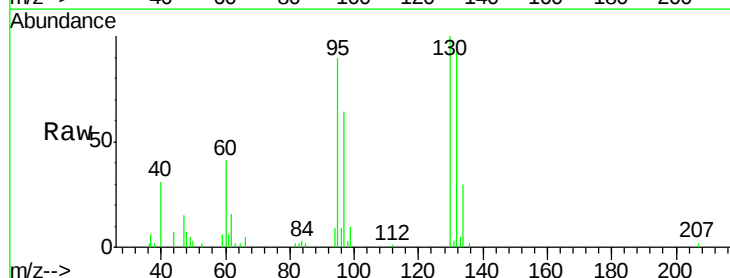
Acq: 23 Jan 2020 10:58

Tgt Ion: 130 Resp: 22387

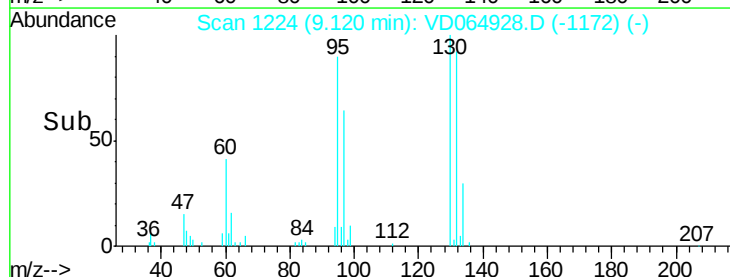
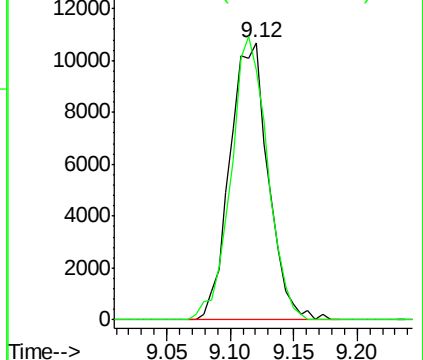
Ion Ratio Lower Upper

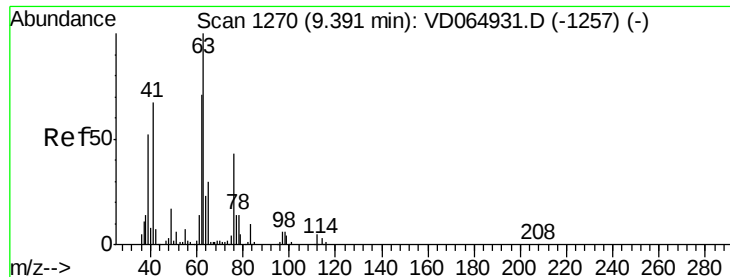
130 100

95 90.3 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: 5.02 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

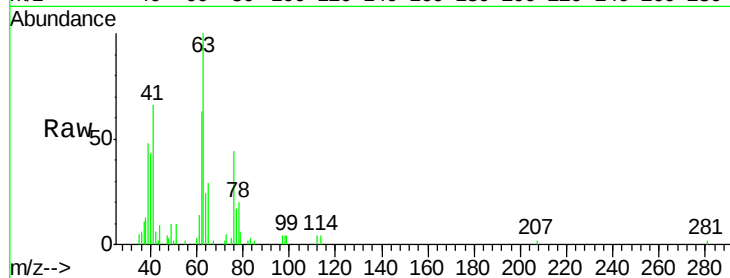
VSTDIC005

Tgt Ion: 63 Resp: 20462

Ion Ratio Lower Upper

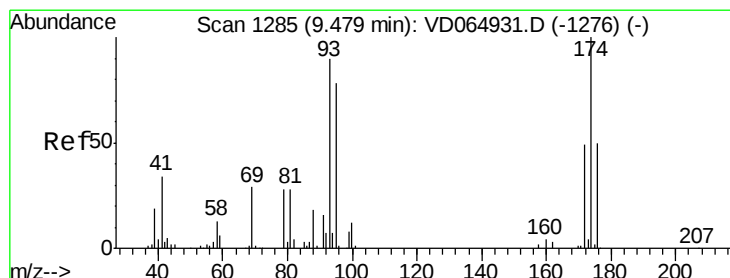
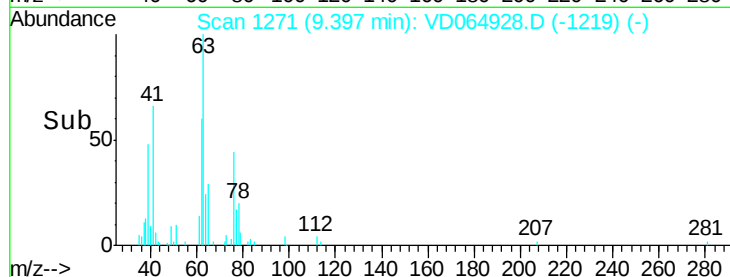
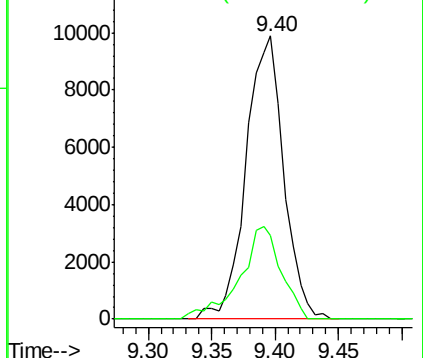
63 100

65 29.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.02 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

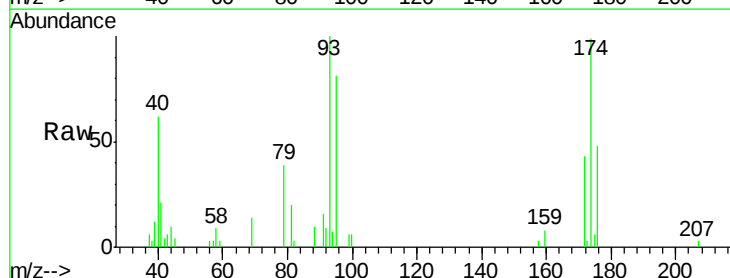
Tgt Ion: 93 Resp: 11332

Ion Ratio Lower Upper

93 100

95 79.7 67.5 101.3

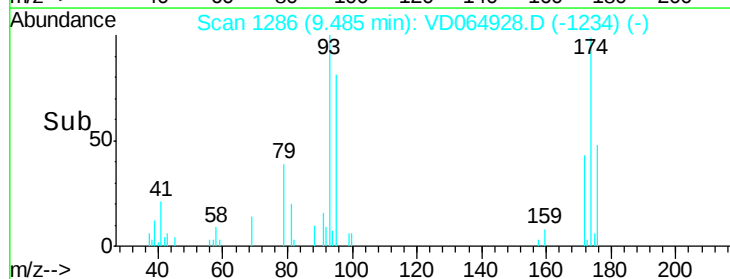
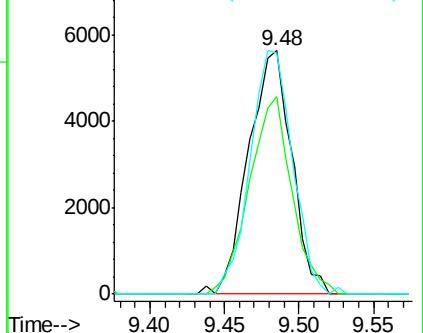
174 97.9 88.4 132.6

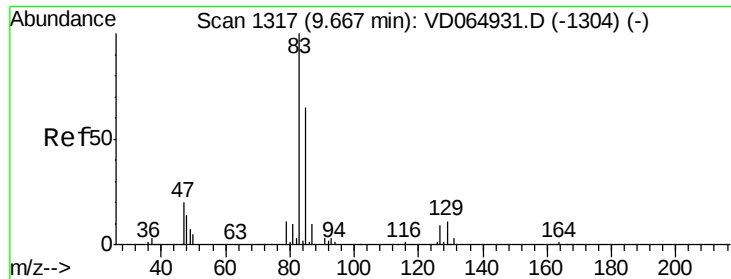


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.49 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

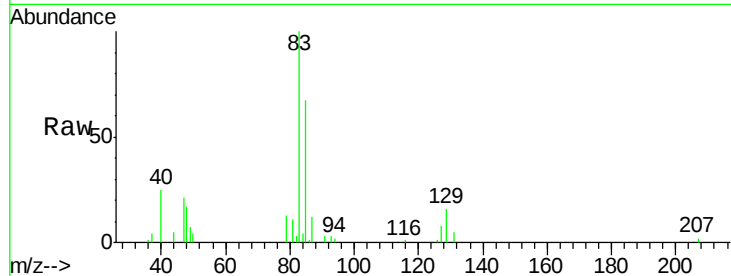
Tgt Ion: 83 Resp: 27015

Ion Ratio Lower Upper

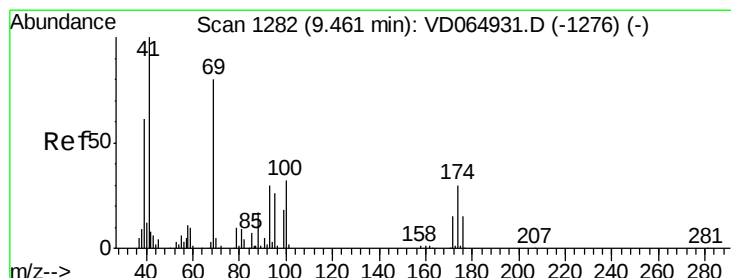
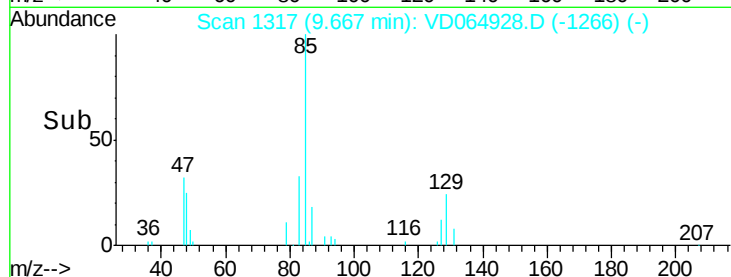
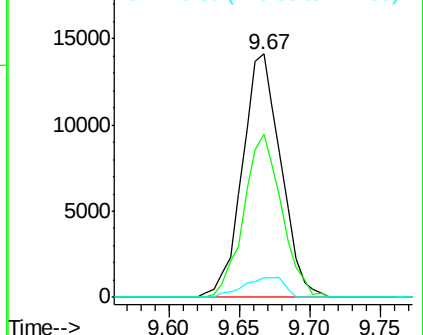
83 100

85 67.0 52.0 78.0

127 7.8 7.3 10.9



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



#48

Methyl methacrylate

Concen: 4.44 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

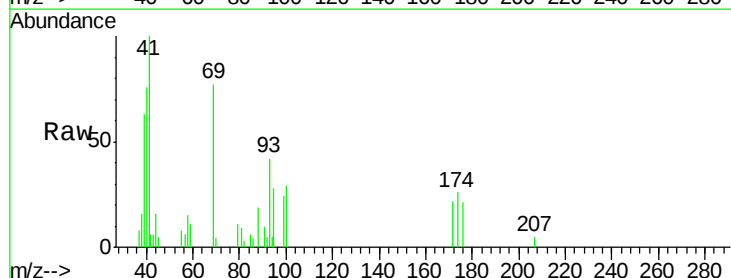
Tgt Ion: 41 Resp: 10113

Ion Ratio Lower Upper

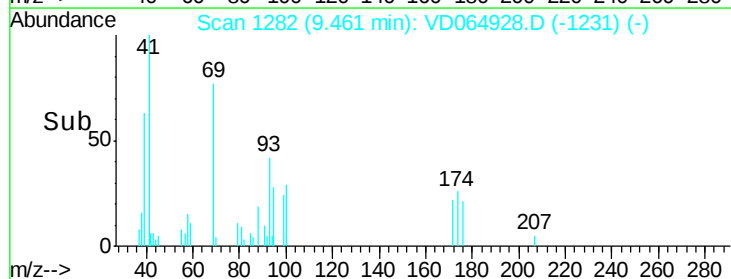
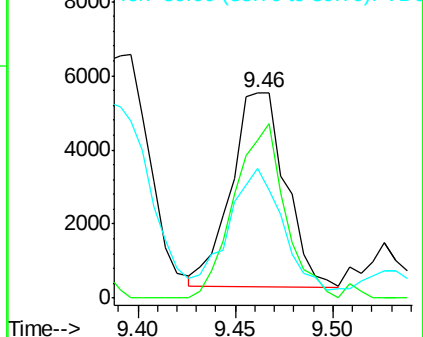
41 100

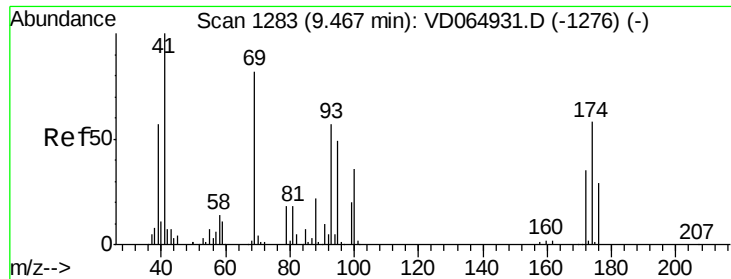
69 83.8 65.8 98.8

39 60.5 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

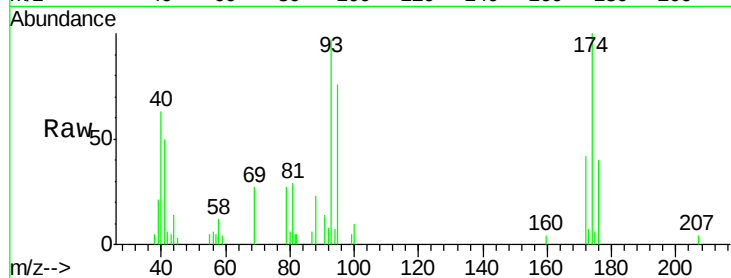




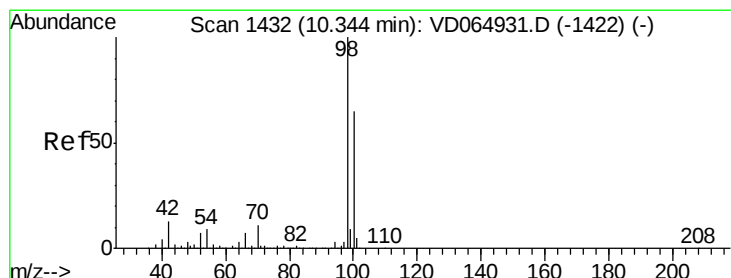
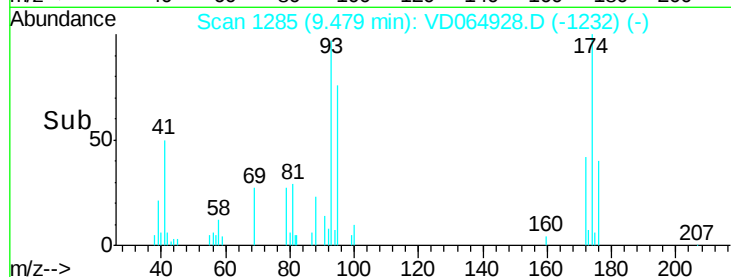
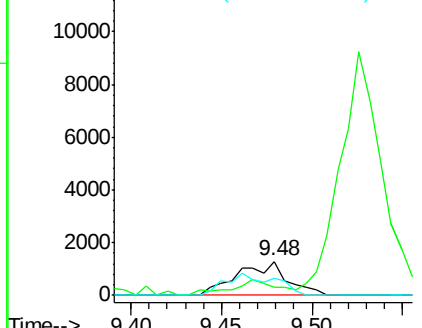
#49
1,4-Dioxane
Concen: 94.68 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 2502
Ion Ratio Lower Upper
88 100
43 43.0 26.2 39.4#
58 64.4 50.3 75.5

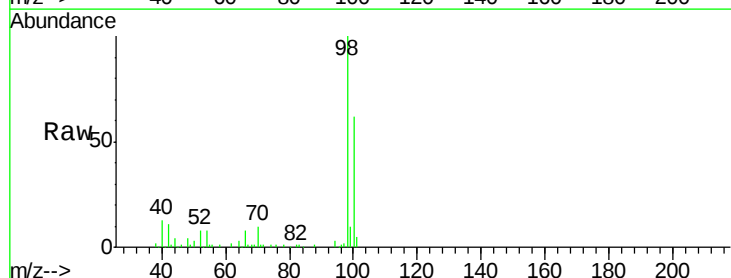


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

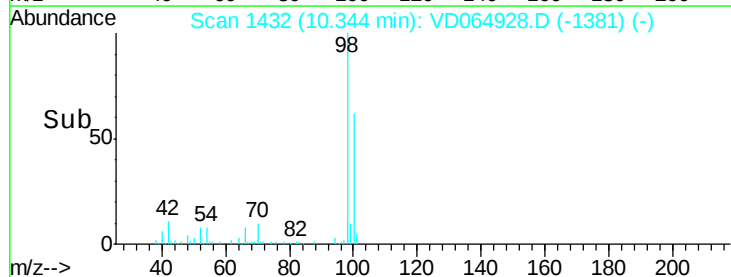
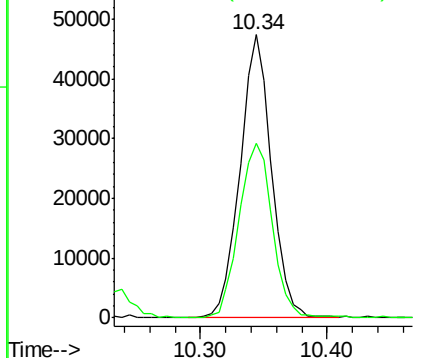


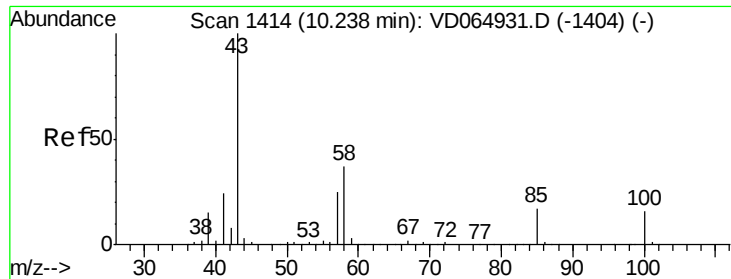
#50
Toluene-d8
Concen: 5.26 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 98 Resp: 81420
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



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

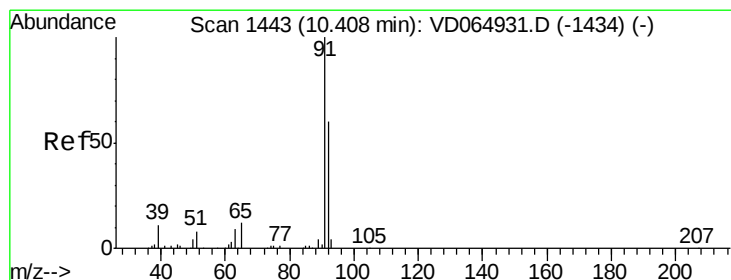
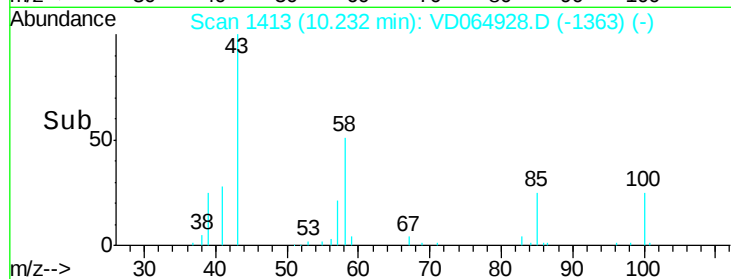
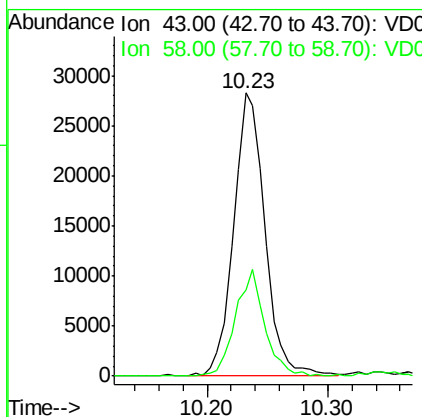
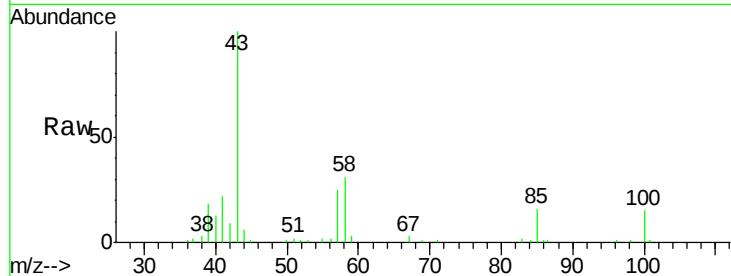




#51
 4-Methyl-2-Pentanone
 Concen: 21.11 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

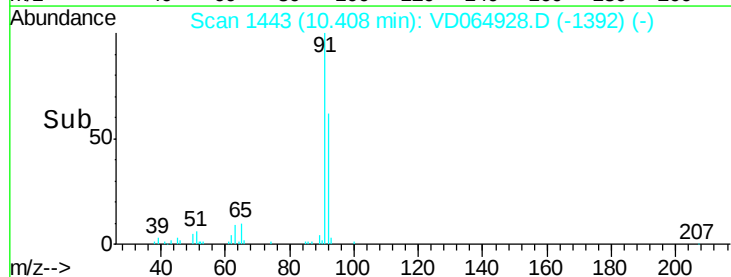
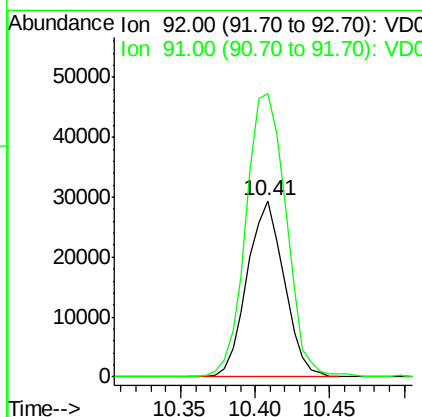
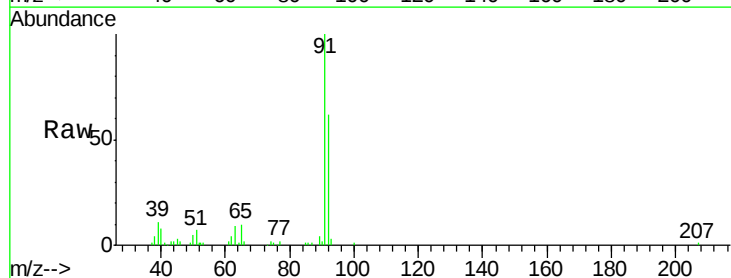
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

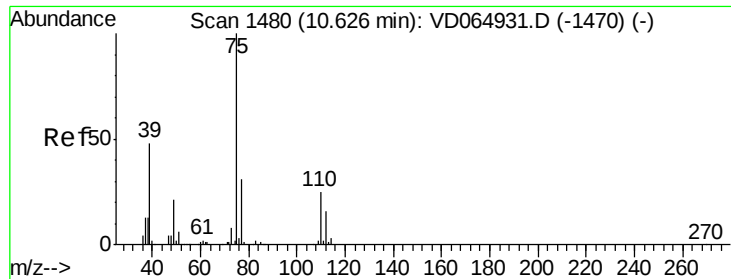
Tgt Ion: 43 Resp: 51154
 Ion Ratio Lower Upper
 43 100
 58 35.1 30.4 45.6



#52
 Toluene
 Concen: 4.51 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 92 Resp: 50396
 Ion Ratio Lower Upper
 92 100
 91 174.9 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 4.47 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

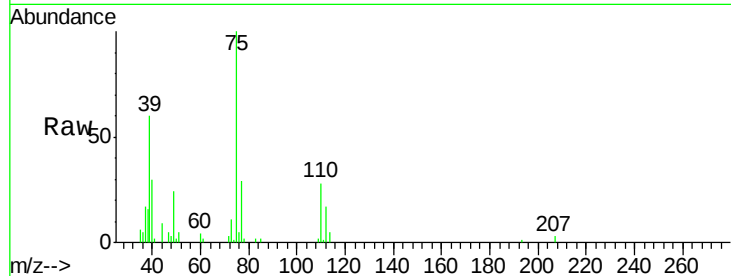
VSTDIC005

Tgt Ion: 75 Resp: 25191

Ion Ratio Lower Upper

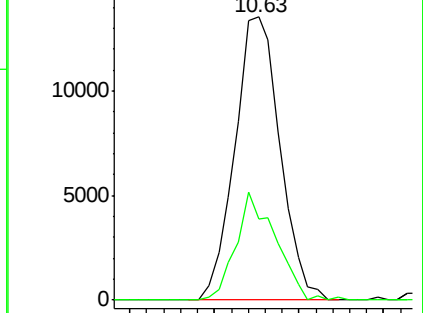
75 100

77 28.7 25.0 37.6

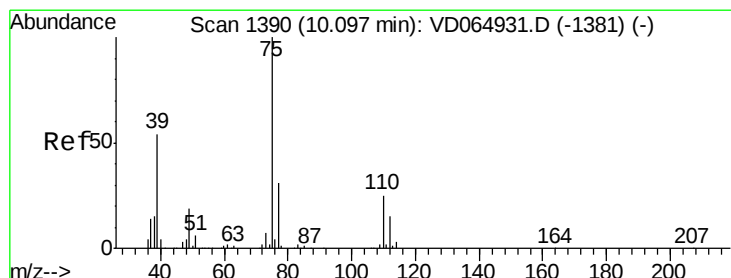
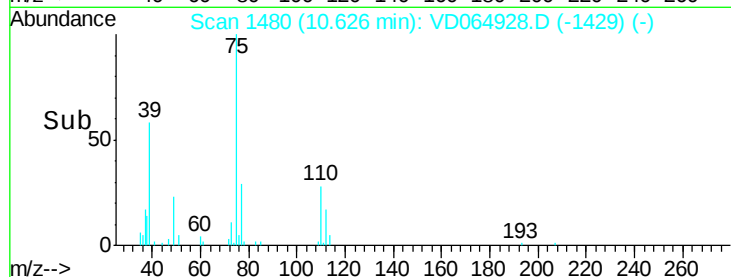


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time--> 10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 4.44 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

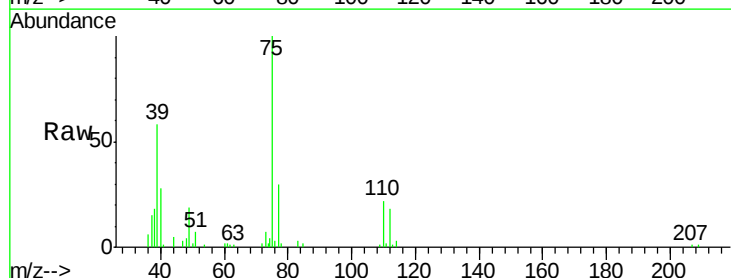
Tgt Ion: 75 Resp: 29446

Ion Ratio Lower Upper

75 100

77 30.4 25.1 37.7

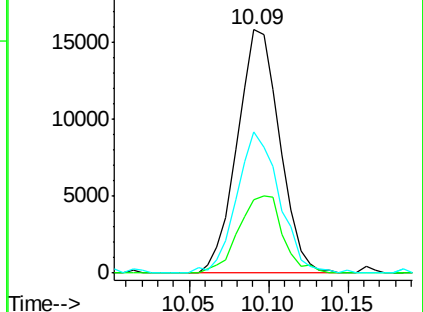
39 58.0 43.0 64.6



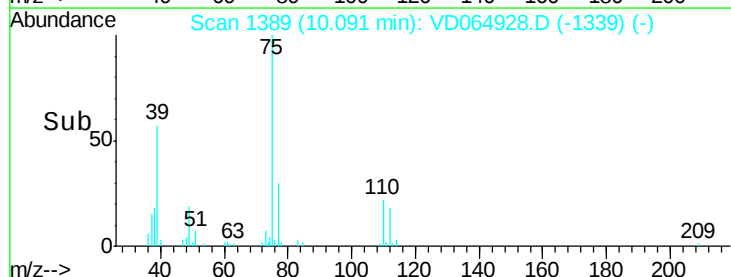
Abundance Ion 74.90 (74.60 to 75.60): VDC

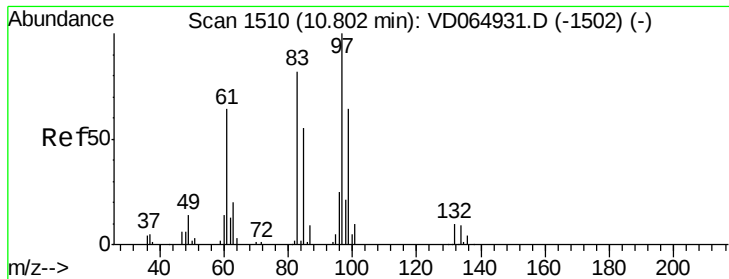
Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



Time--> 10.05 10.10 10.15

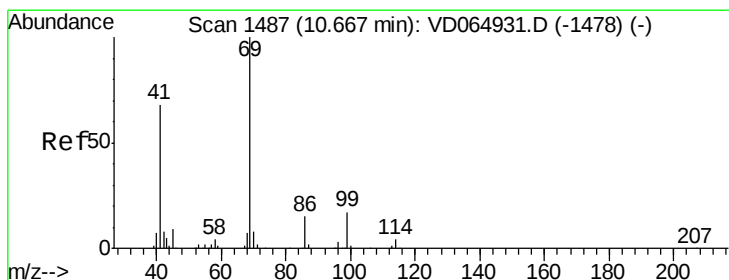
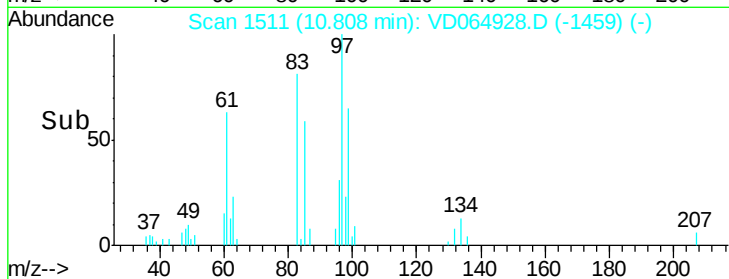
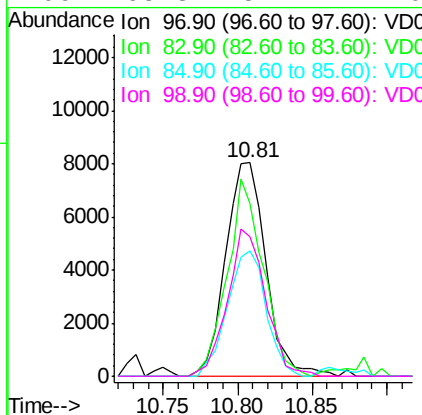
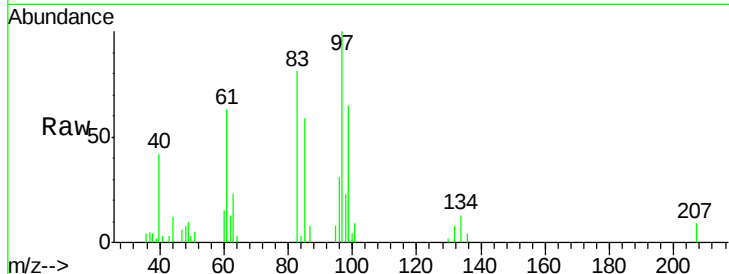




#55
 1,1,2-Trichloroethane
 Concen: 4.96 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

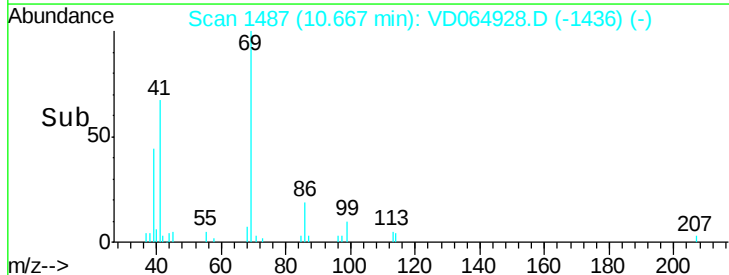
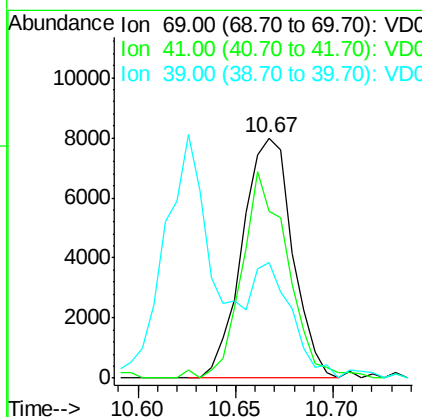
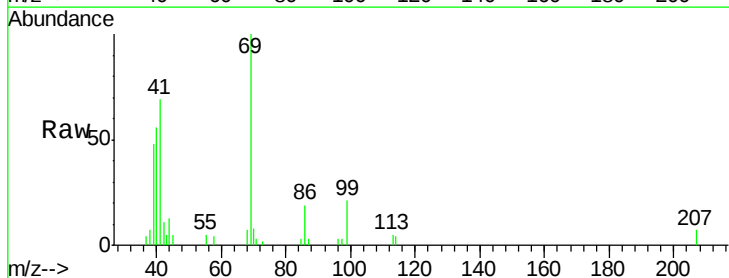
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

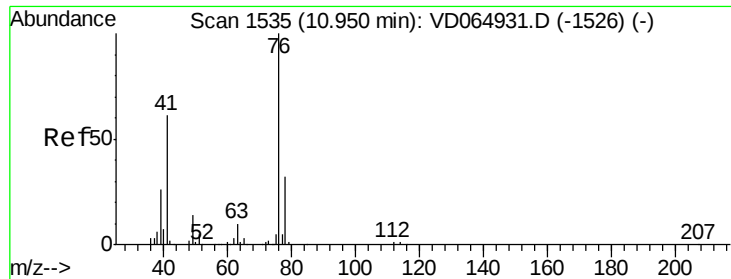
Tgt Ion:	97	Resp:	15179
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.0	99.0
85	58.7	44.4	66.6
99	65.3	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 3.73 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion:	69	Resp:	14230
Ion	Ratio	Lower	Upper
69	100		
41	78.6	56.4	84.6
39	35.7	30.6	46.0

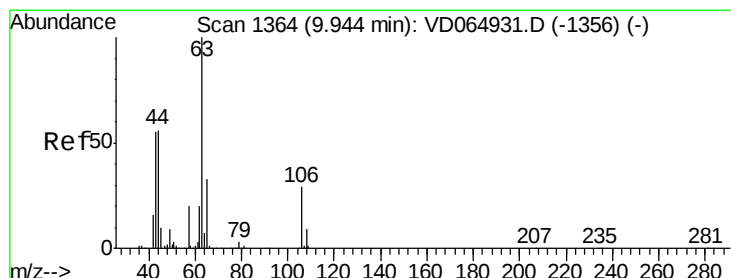
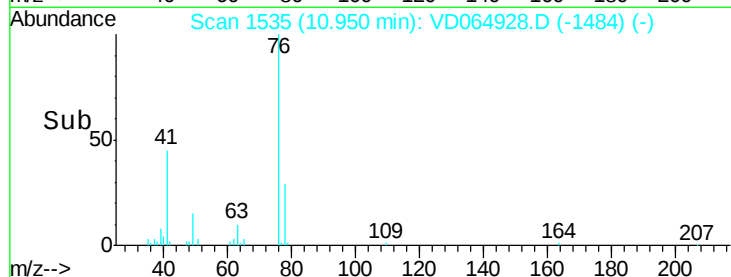
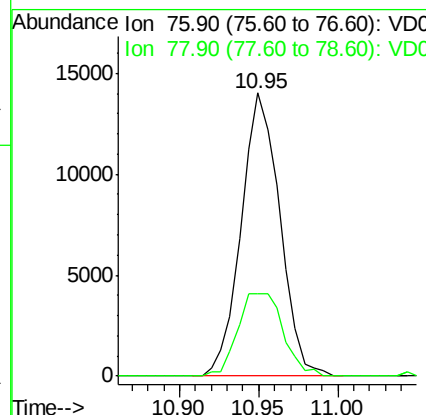
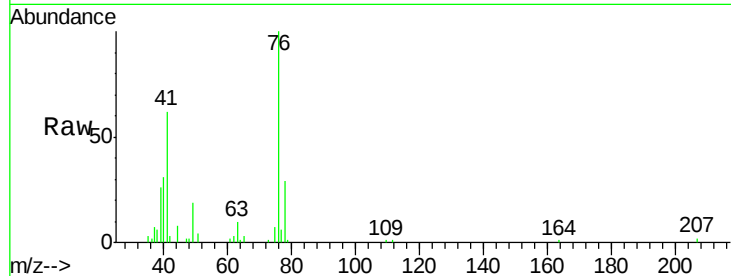




#57
 1,3-Dichloropropane
 Concen: 4.50 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

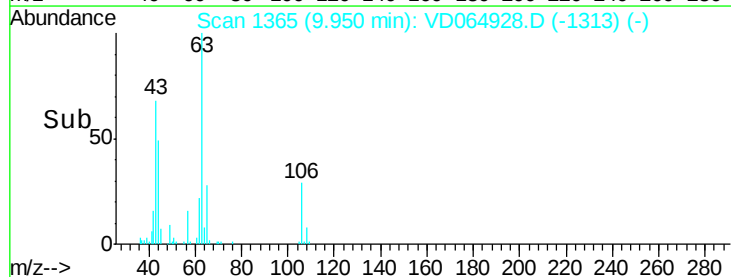
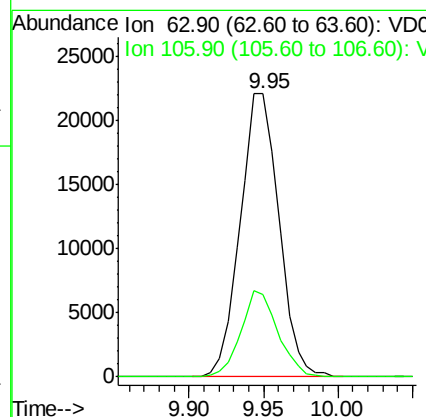
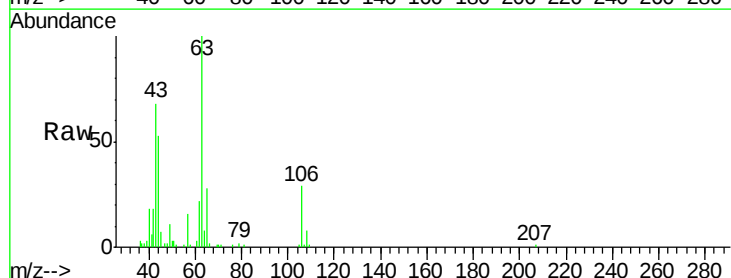
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

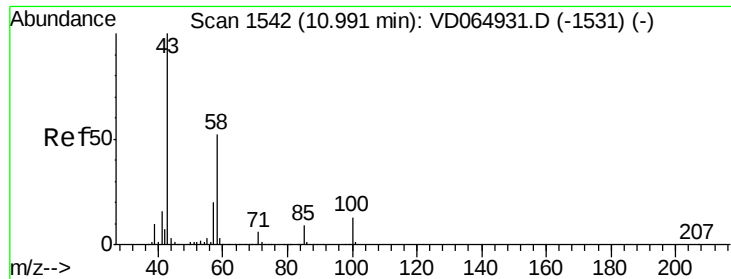
Tgt Ion: 76 Resp: 23748
 Ion Ratio Lower Upper
 76 100
 78 34.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 28.16 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 63 Resp: 39774
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.0 34.4

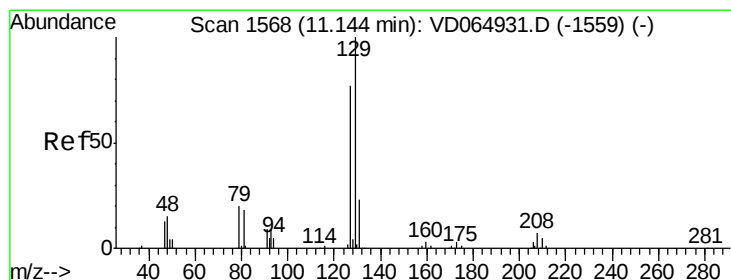
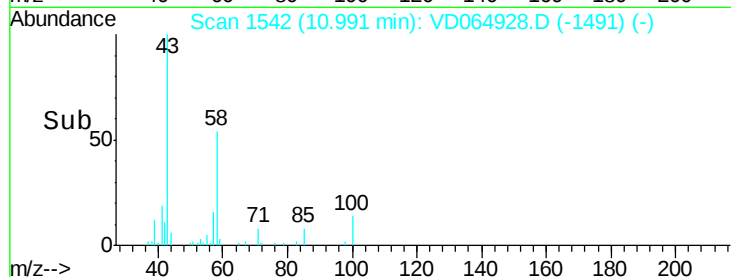
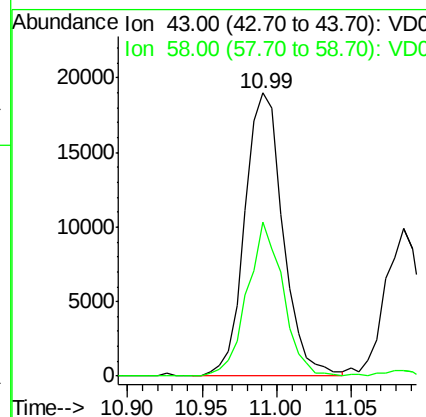
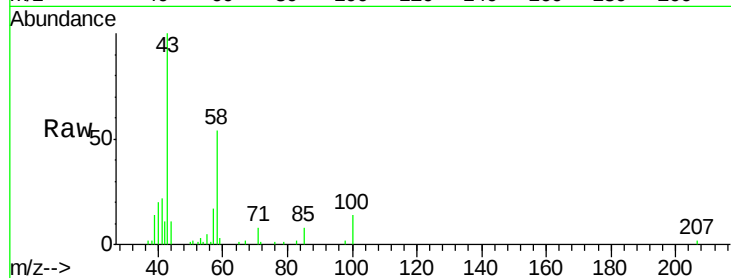




#59
2-Hexanone
Concen: 20.42 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

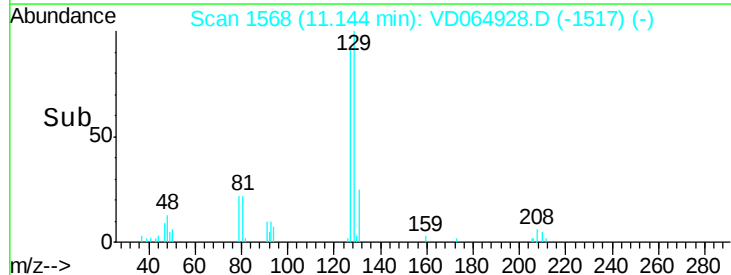
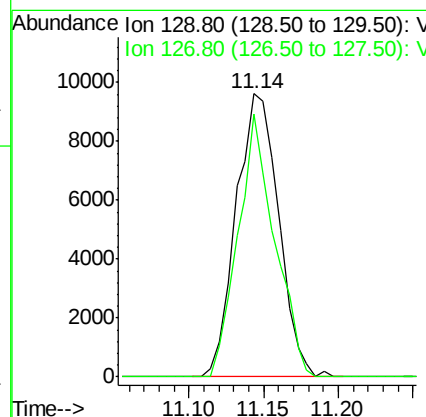
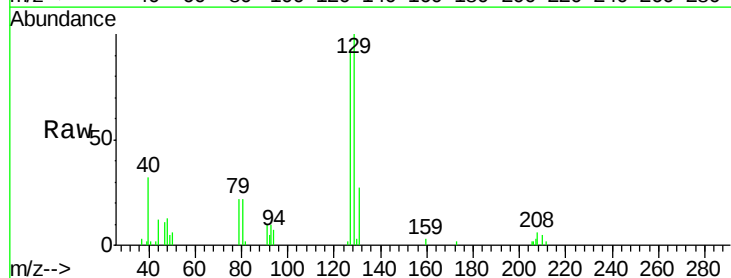
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

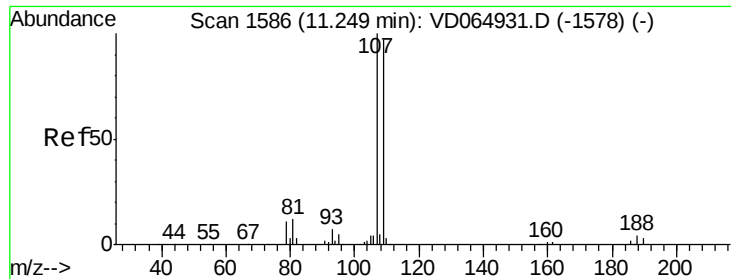
Tgt Ion: 43 Resp: 33667
Ion Ratio Lower Upper
43 100
58 50.9 26.5 79.4



#60
Dibromochloromethane
Concen: 4.51 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion: 129 Resp: 18962
Ion Ratio Lower Upper
129 100
127 80.4 38.2 114.6

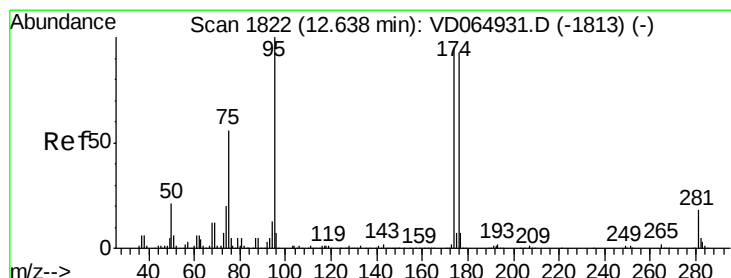
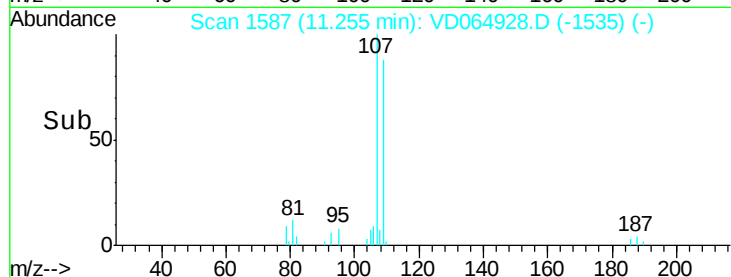
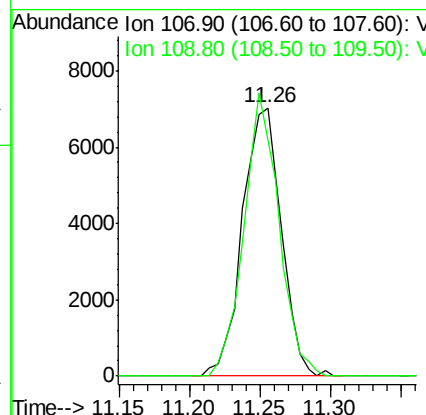
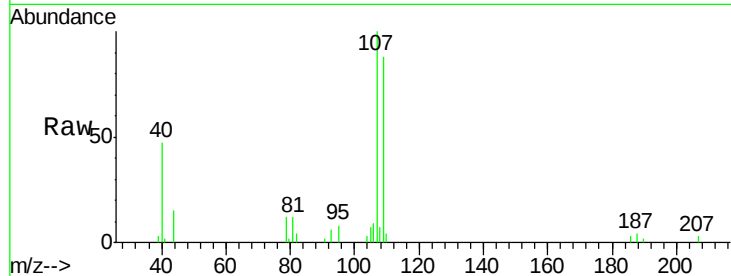




#61
 1,2-Dibromoethane
 Concen: 4.52 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

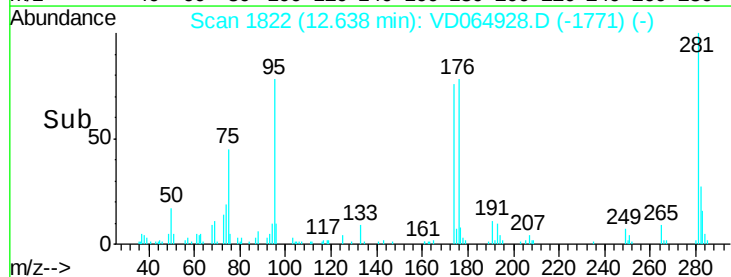
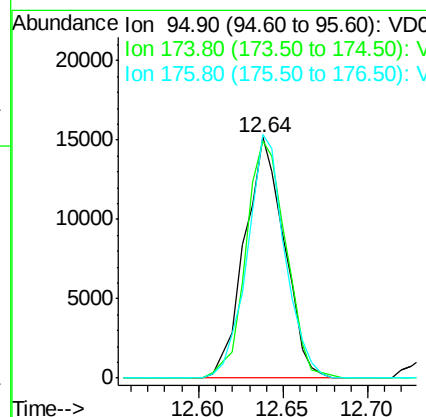
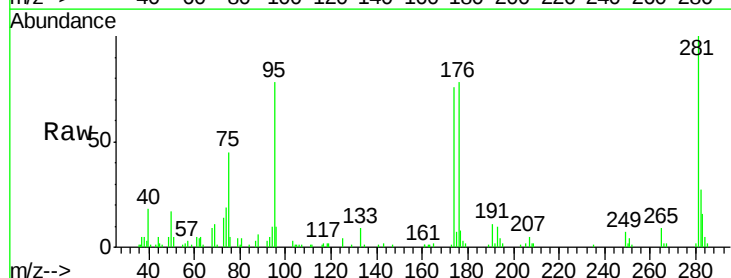
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

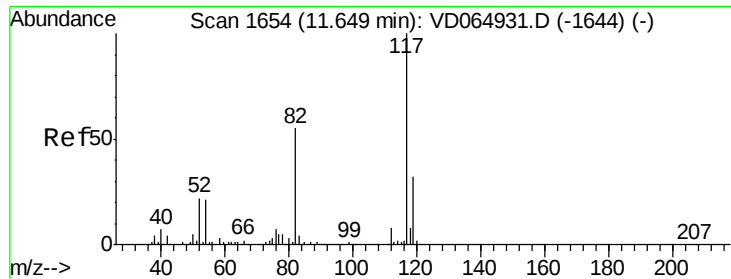
Tgt Ion: 107 Resp: 13577
 Ion Ratio Lower Upper
 107 100
 109 95.1 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 5.12 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion: 95 Resp: 24782
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 186.8
 176 95.9 0.0 183.4

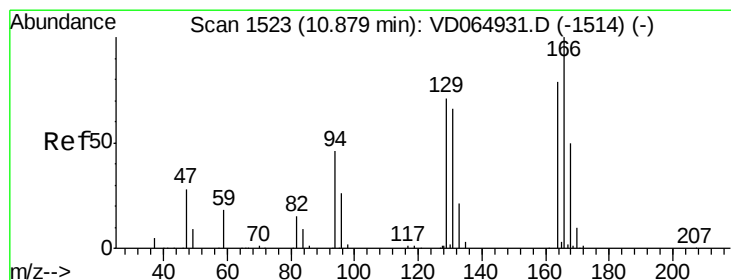
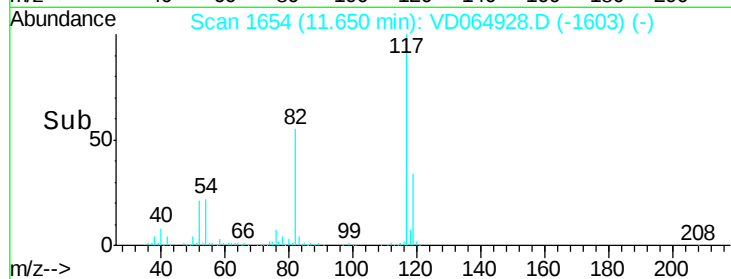
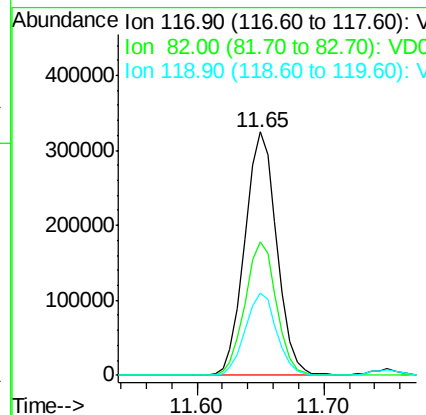
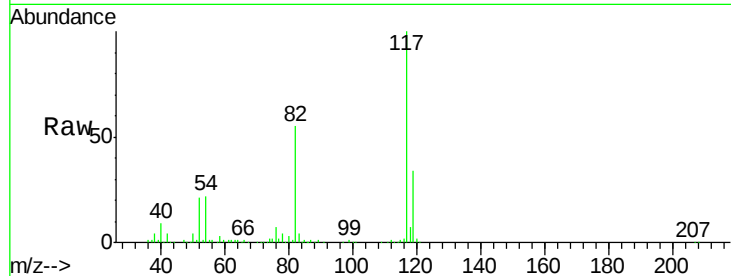




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

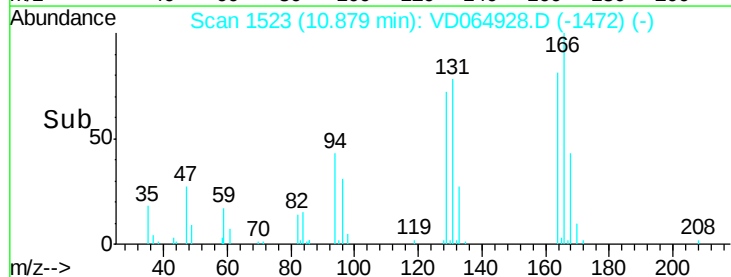
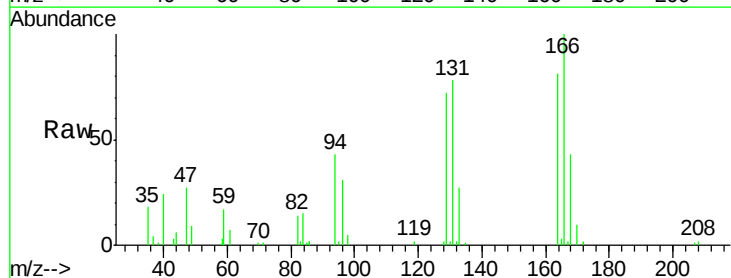
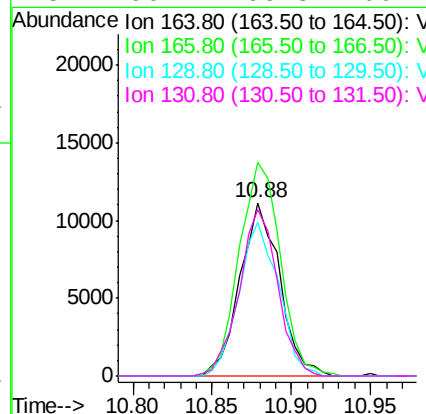
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

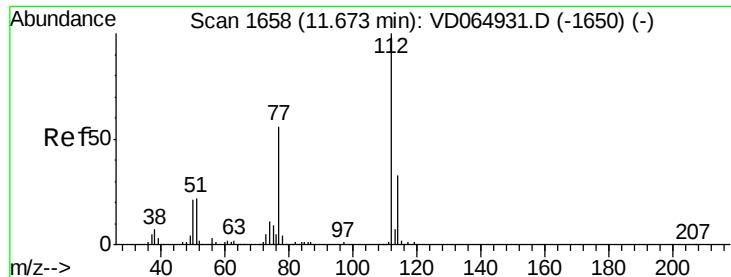
Tgt Ion:117 Resp: 568067
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 33.8 25.2 37.8



#64
Tetrachloroethene
Concen: 4.50 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion:164 Resp: 19394
Ion Ratio Lower Upper
164 100
166 123.6 101.4 152.2
129 88.7 71.8 107.8
131 96.2 66.8 100.2





#65

Chlorobenzene

Concen: 4.91 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

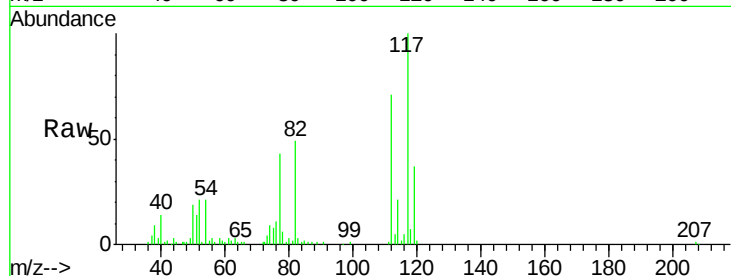
VSTDIC005

Tgt Ion:112 Resp: 57098

Ion Ratio Lower Upper

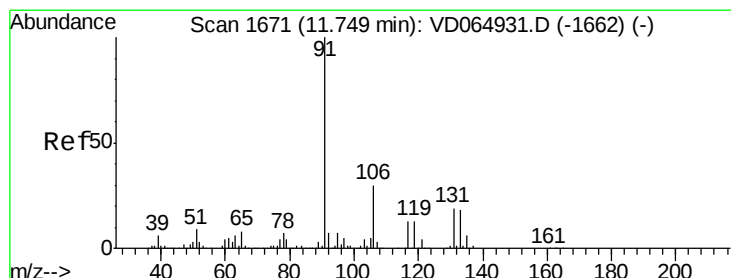
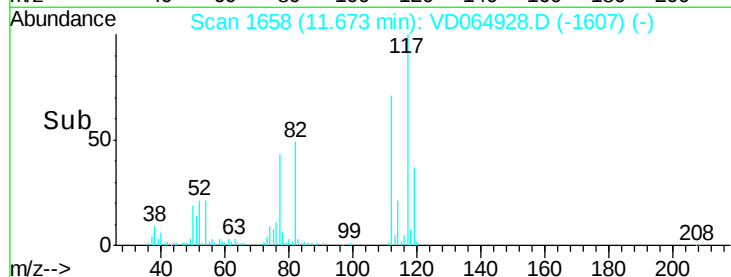
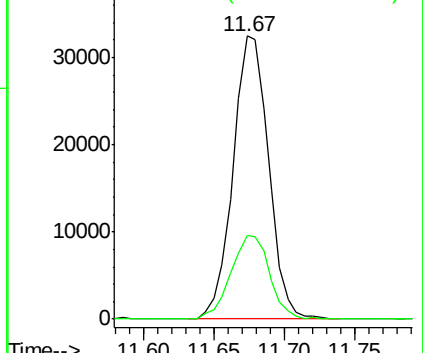
112 100

114 29.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.68 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

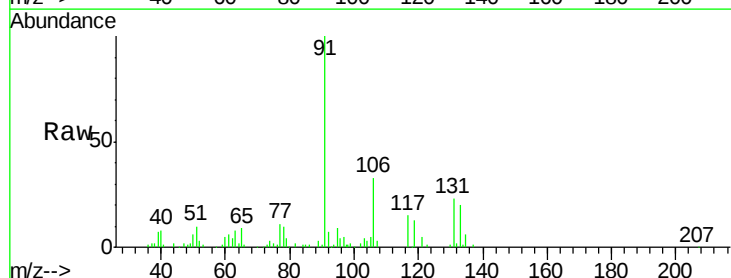
Tgt Ion:131 Resp: 20615

Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.5

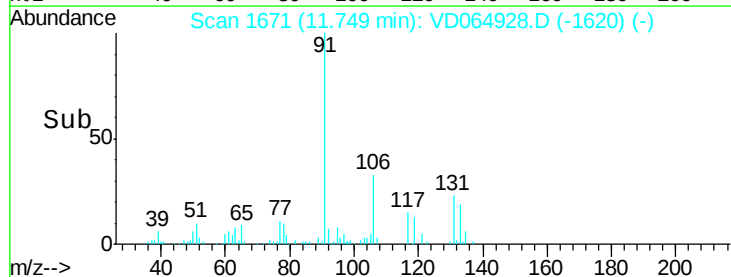
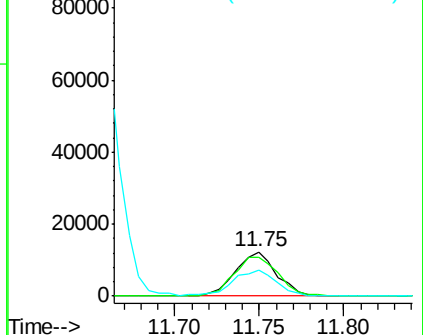
119 62.1 31.1 93.5

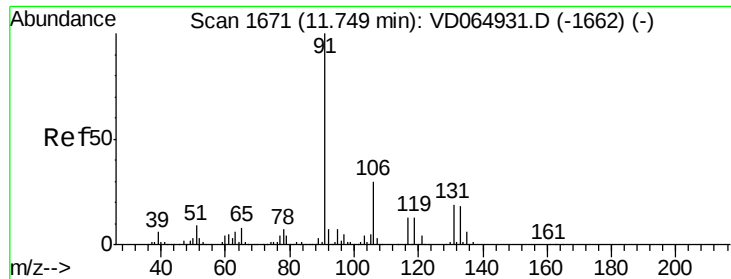


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.22 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

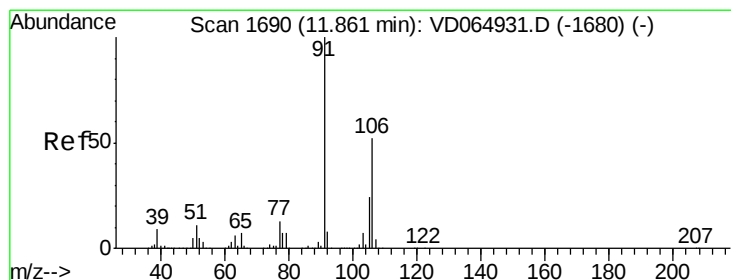
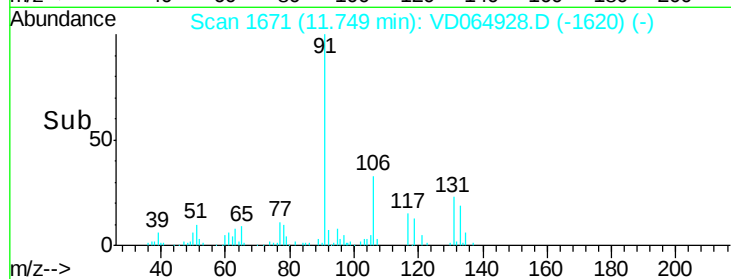
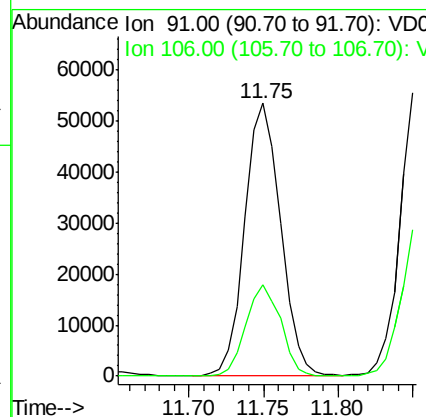
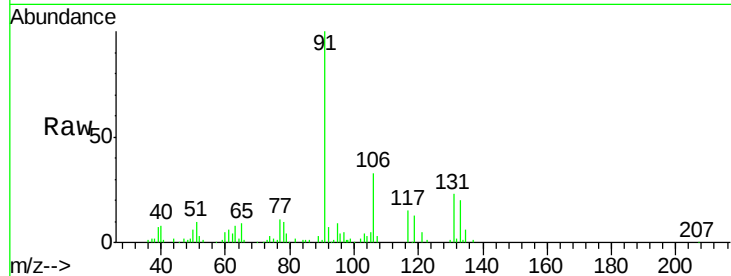
VSTDIC005

Tgt Ion: 91 Resp: 89425

Ion Ratio Lower Upper

91 100

106 33.3 24.3 36.5



#68

m/p-Xylenes

Concen: 8.29 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064928.D

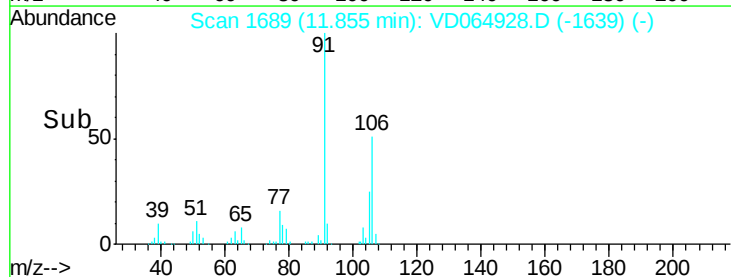
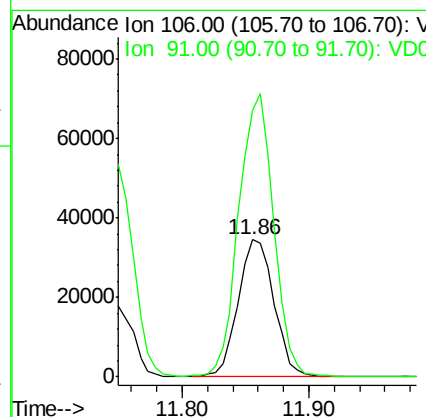
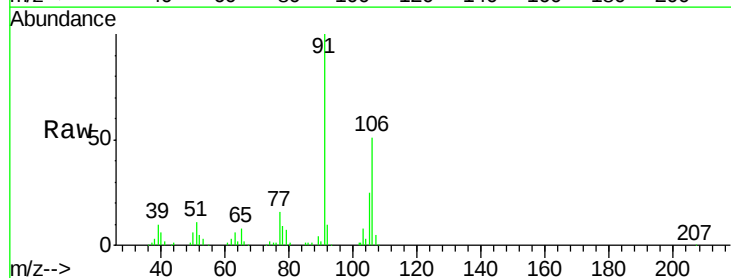
Acq: 23 Jan 2020 10:58

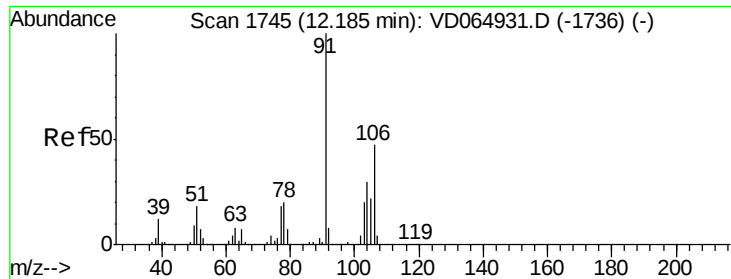
Tgt Ion: 106 Resp: 67721

Ion Ratio Lower Upper

106 100

91 201.0 159.0 238.4

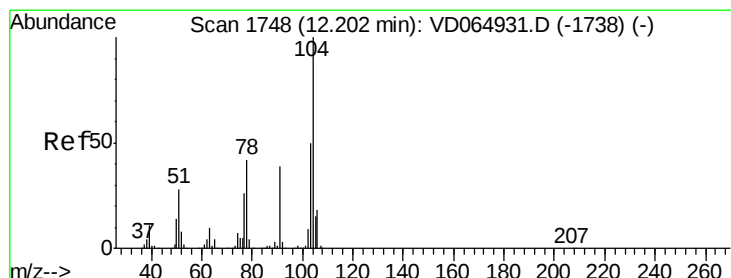
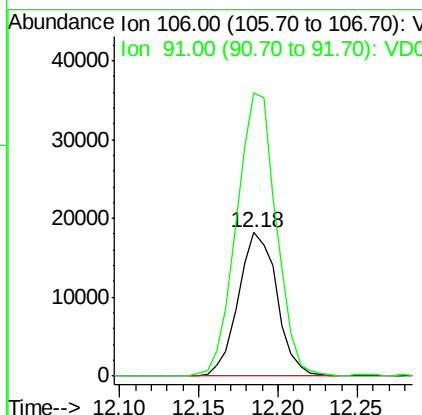
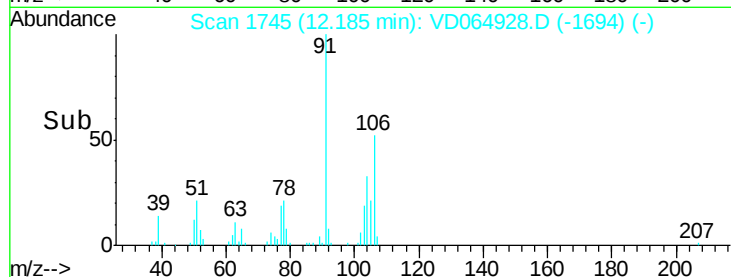
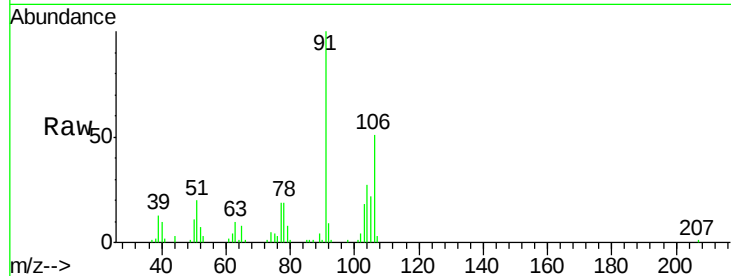




#69
o-Xylene
Concen: 4.19 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

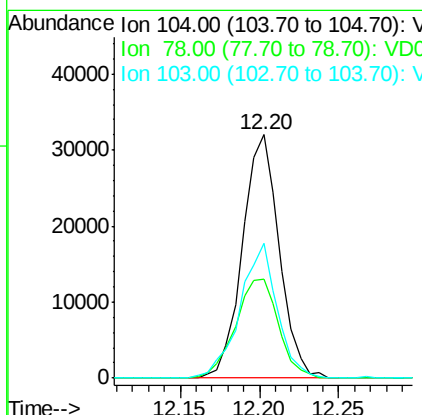
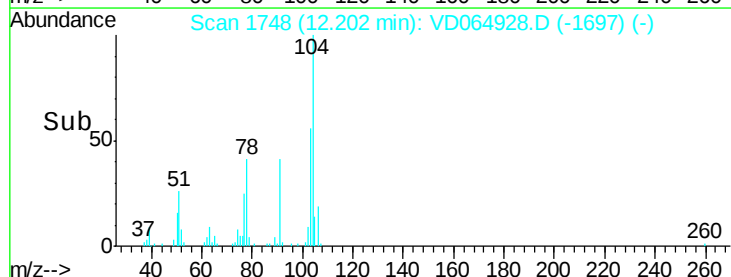
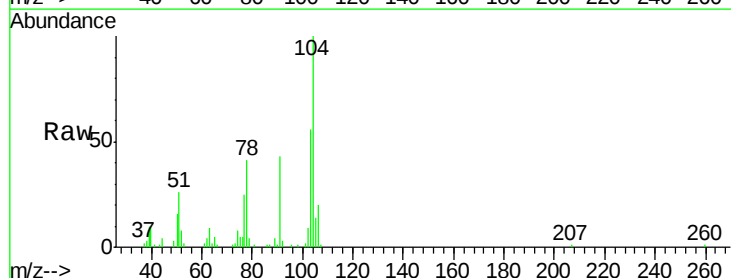
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

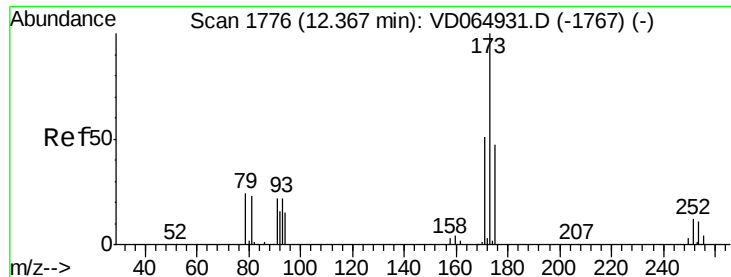
Tgt Ion:106 Resp: 30835
Ion Ratio Lower Upper
106 100
91 202.5 106.7 319.9



#70
Styrene
Concen: 3.96 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion:104 Resp: 51524
Ion Ratio Lower Upper
104 100
78 47.3 38.3 57.5
103 56.0 43.5 65.3

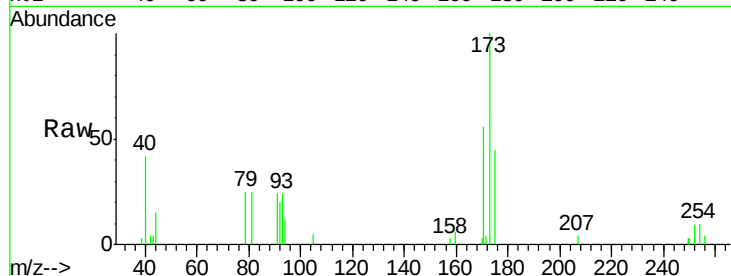




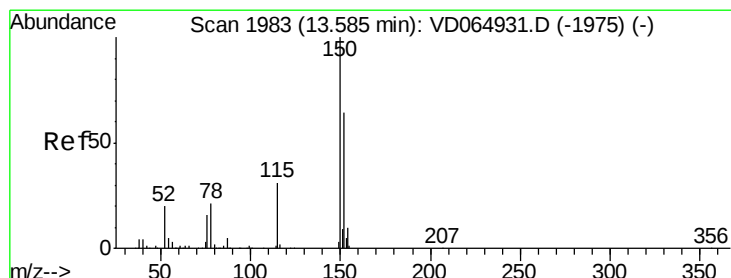
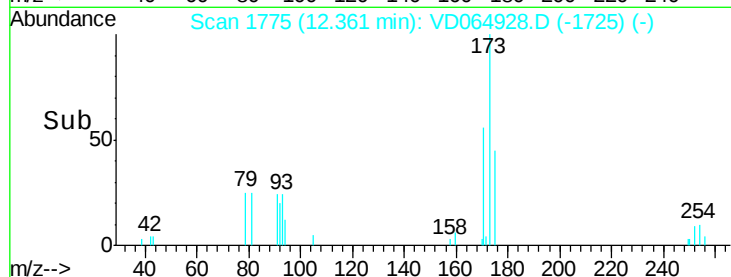
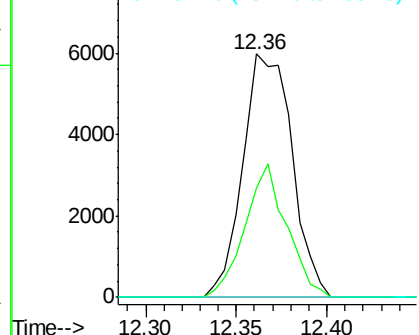
#71
Bromoform
Concen: 4.52 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 11279
Ion Ratio Lower Upper
173 100
175 46.3 24.6 73.8
254 0.0 0.1 0.1#

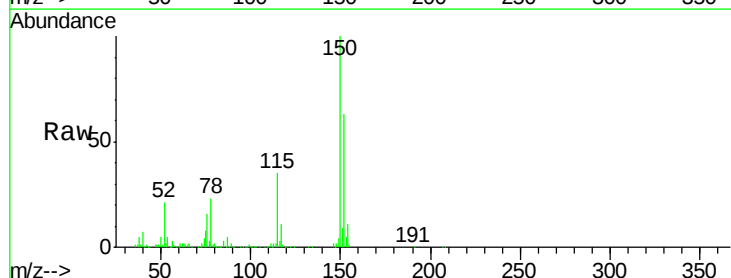


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

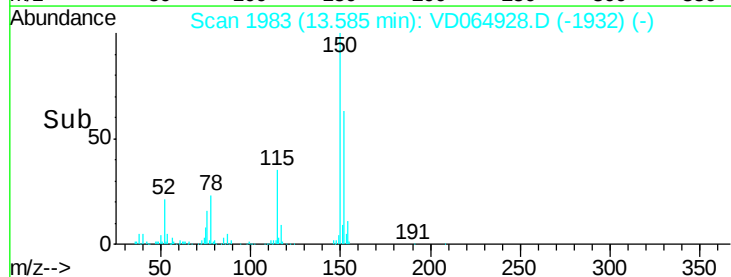
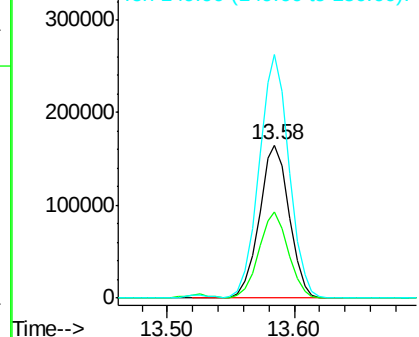


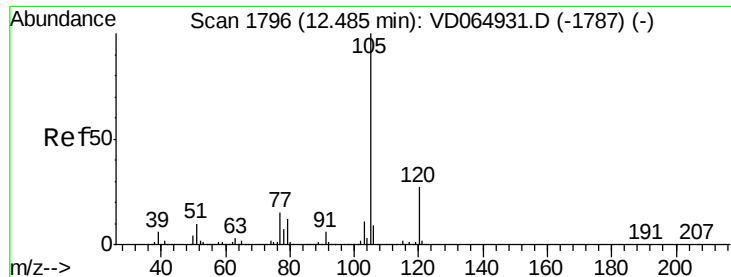
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064928.D
Acq: 23 Jan 2020 10:58

Tgt Ion:152 Resp: 270116
Ion Ratio Lower Upper
152 100
115 55.4 28.1 84.4
150 159.4 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: 4.17 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

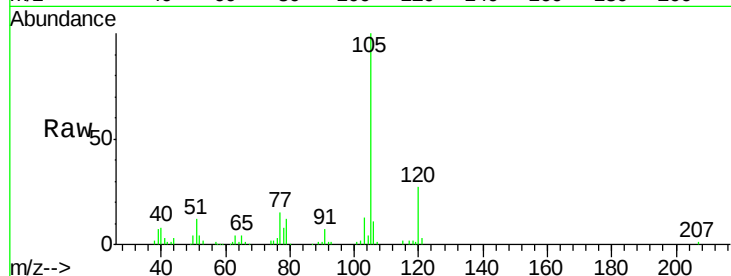
VSTDIC005

Tgt Ion:105 Resp: 79760

Ion Ratio Lower Upper

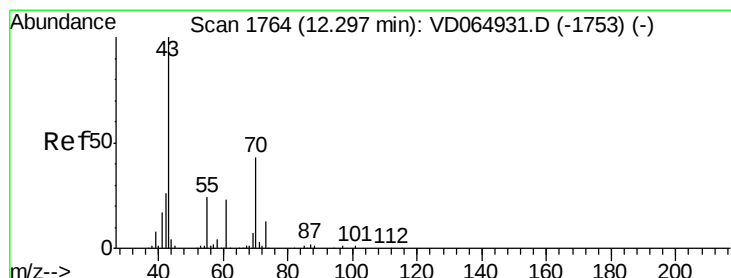
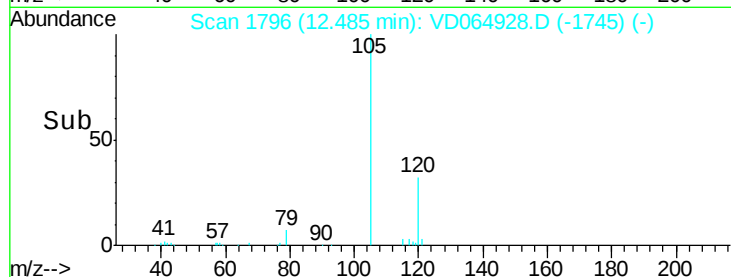
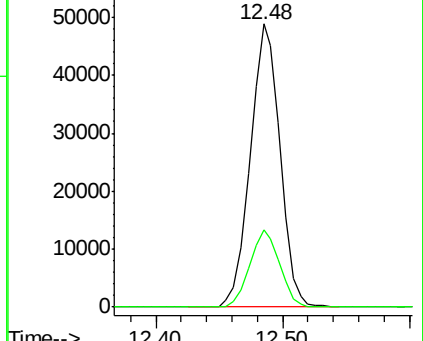
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.33 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Tgt Ion: 43 Resp: 17753

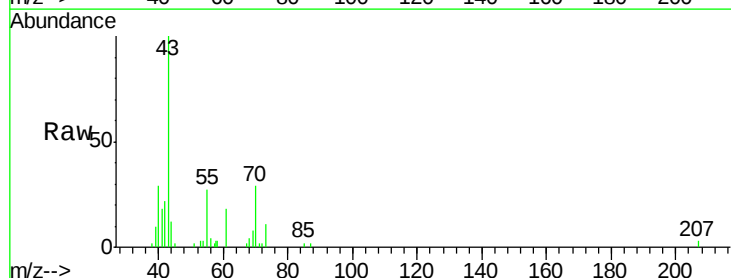
Ion Ratio Lower Upper

43 100

70 39.2 32.6 49.0

55 26.3 19.9 29.9

61 23.5 18.3 27.5

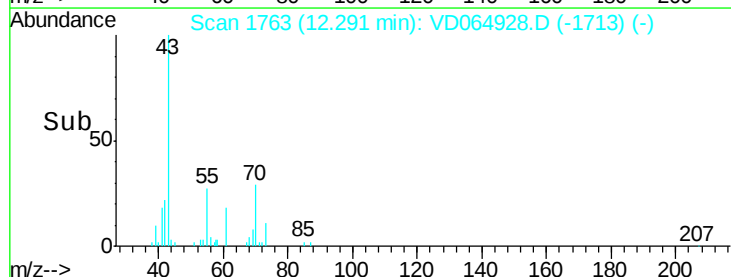
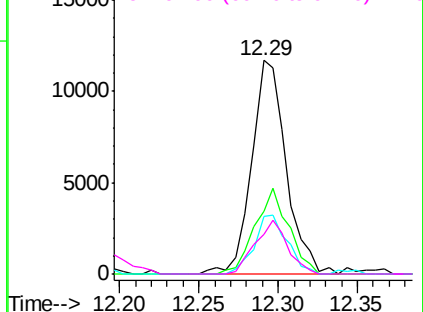


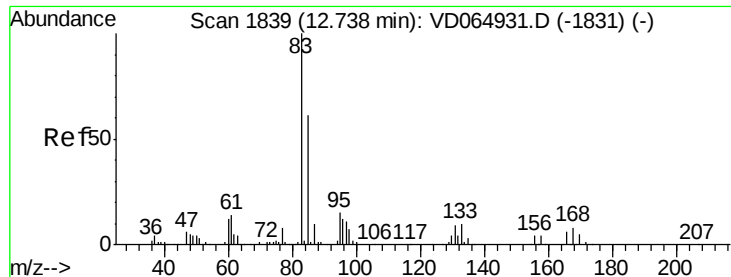
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.02 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

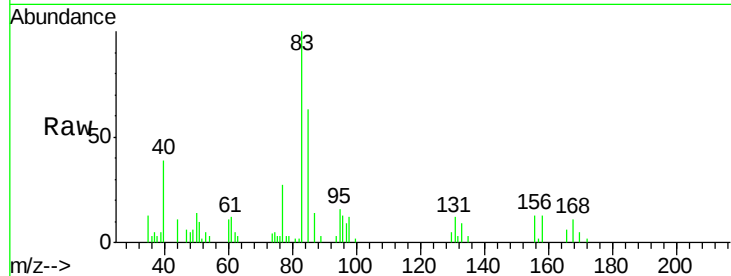
Tgt Ion: 83 Resp: 15185

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.4

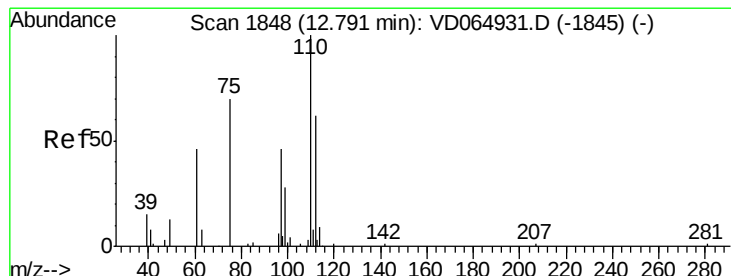
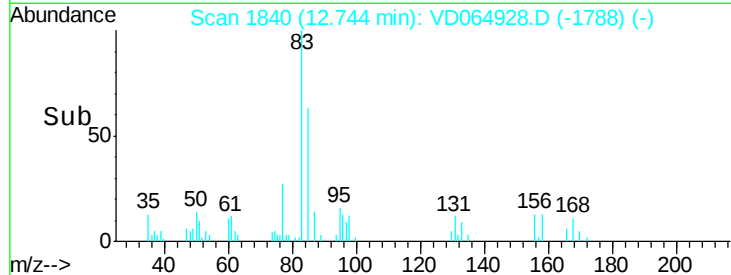
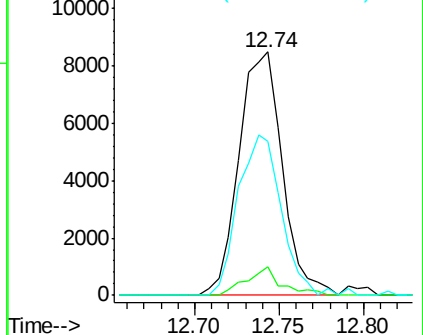
85 65.7 31.6 94.7



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: 8.88 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064928.D

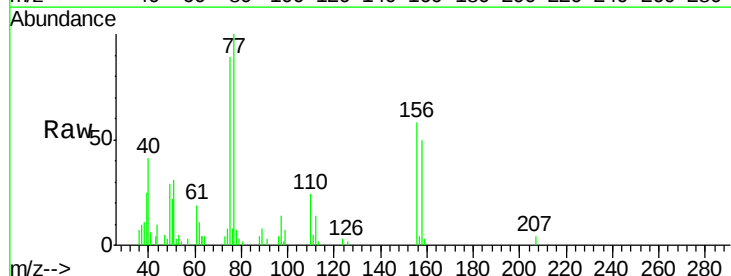
Acq: 23 Jan 2020 10:58

Tgt Ion: 75 Resp: 19731

Ion Ratio Lower Upper

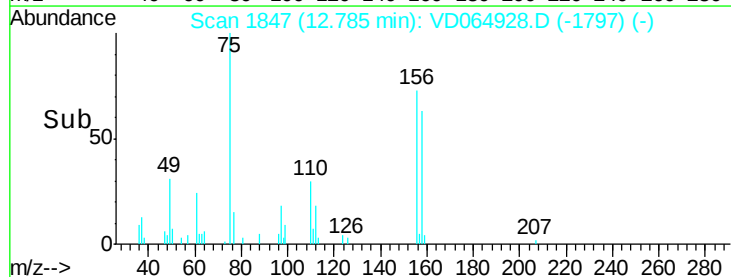
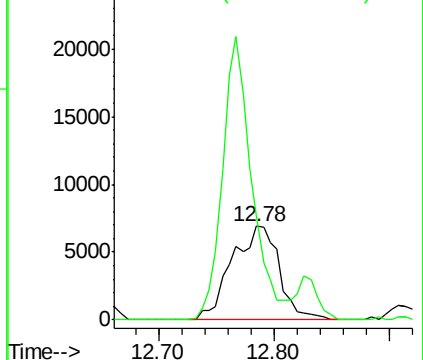
75 100

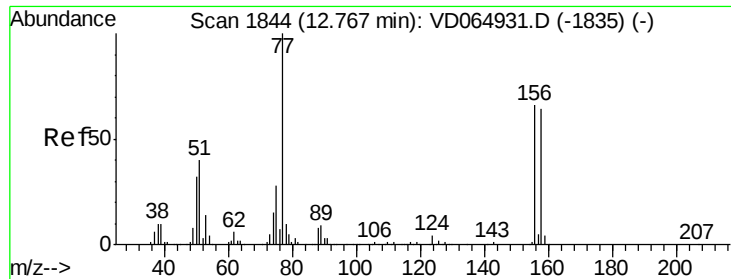
77 188.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.56 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

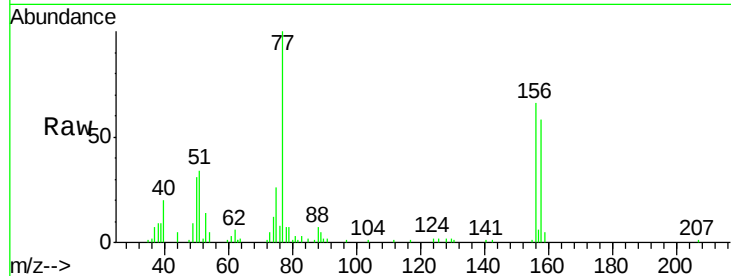
Tgt Ion:156 Resp: 21379

Ion Ratio Lower Upper

156 100

77 173.9 84.2 252.5

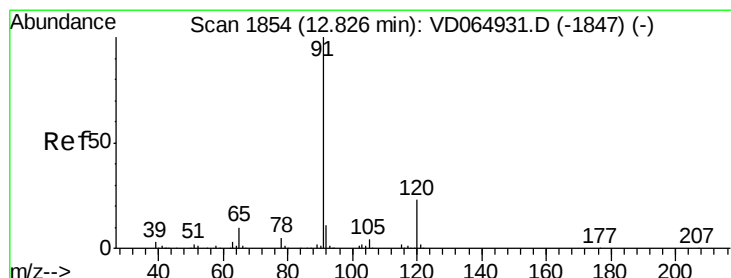
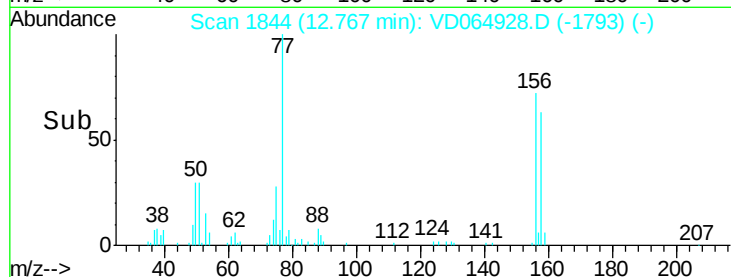
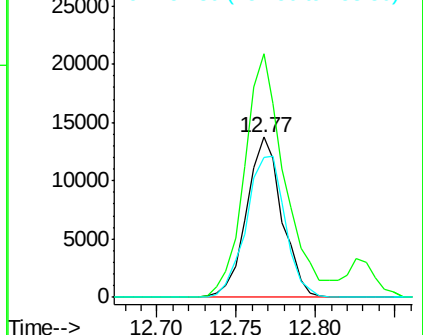
158 97.1 48.1 144.4



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: 4.36 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064928.D

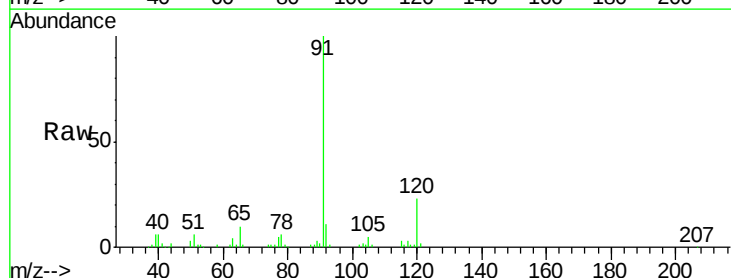
Acq: 23 Jan 2020 10:58

Tgt Ion: 91 Resp: 97727

Ion Ratio Lower Upper

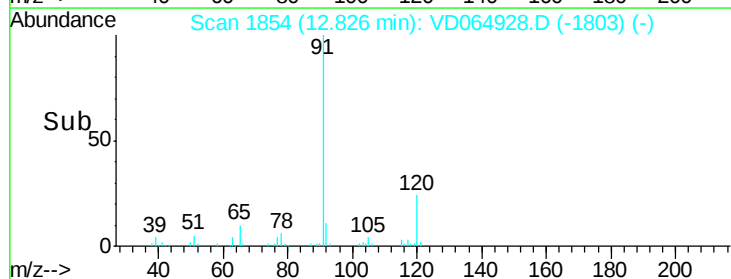
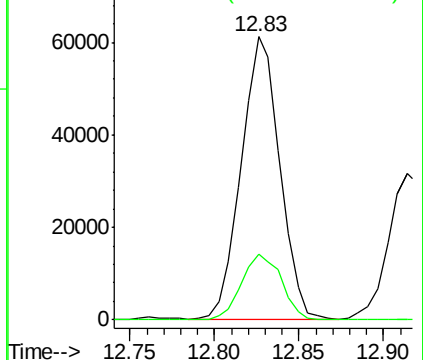
91 100

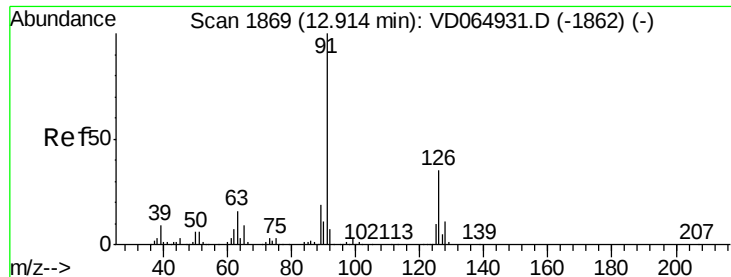
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.39 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

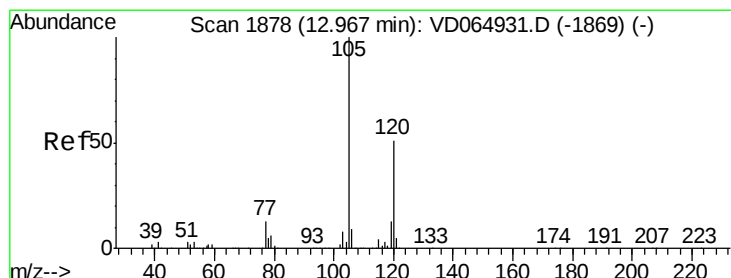
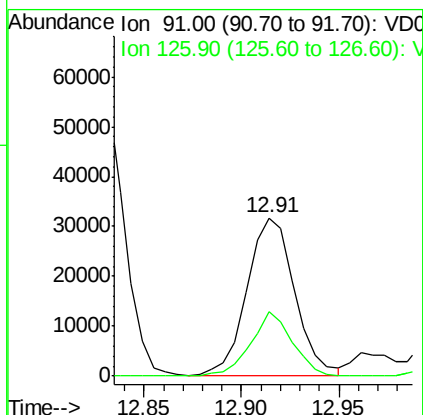
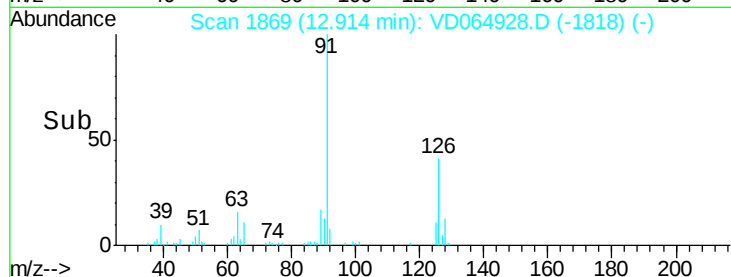
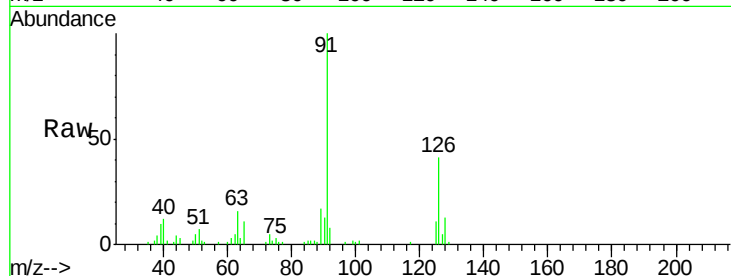
VSTDIC005

Tgt Ion: 91 Resp: 54033

Ion Ratio Lower Upper

91 100

126 35.3 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 4.11 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064928.D

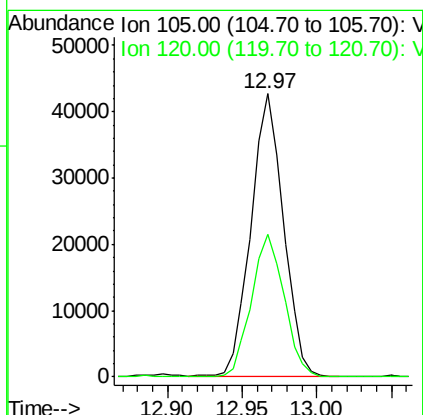
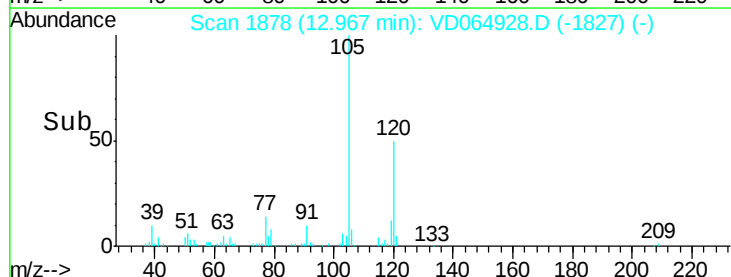
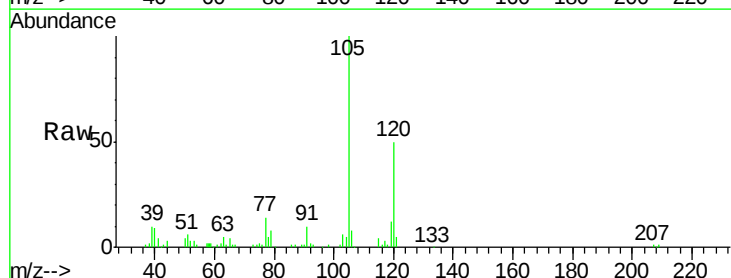
Acq: 23 Jan 2020 10:58

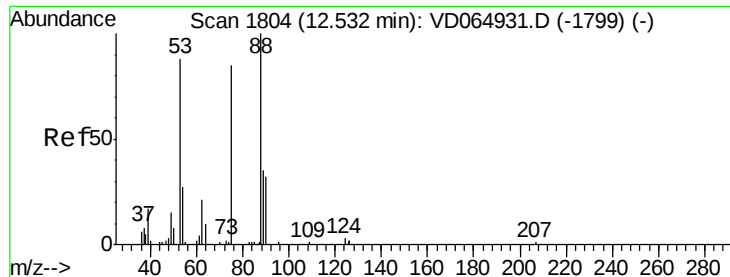
Tgt Ion: 105 Resp: 64402

Ion Ratio Lower Upper

105 100

120 50.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.58 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

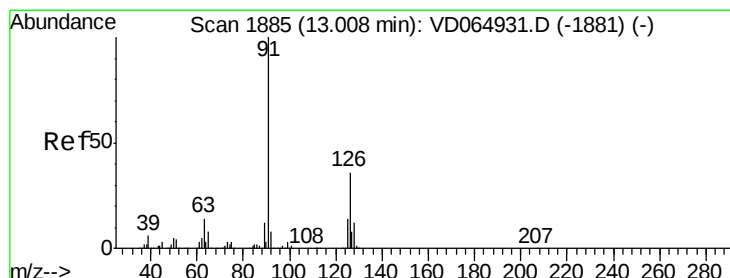
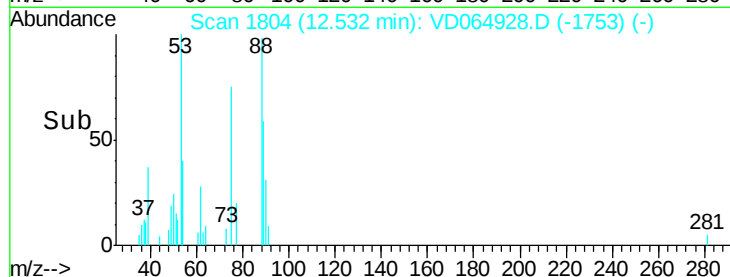
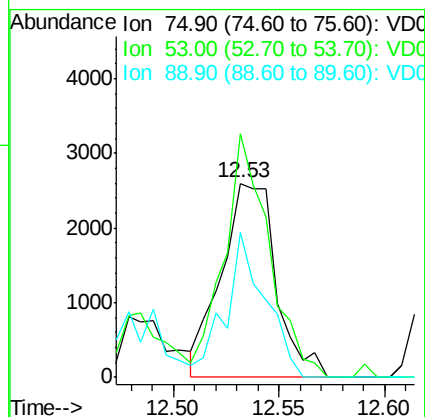
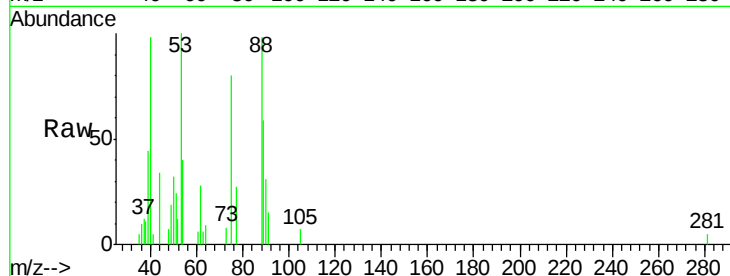
Tgt Ion: 75 Resp: 4688

Ion Ratio Lower Upper

75 100

53 102.6 81.0 121.4

89 53.6 36.2 54.4



#82

4-Chlorotoluene

Concen: 4.58 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064928.D

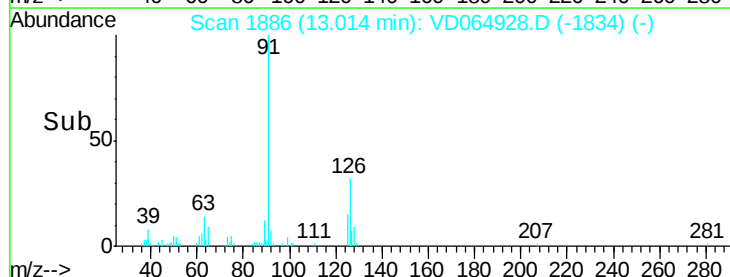
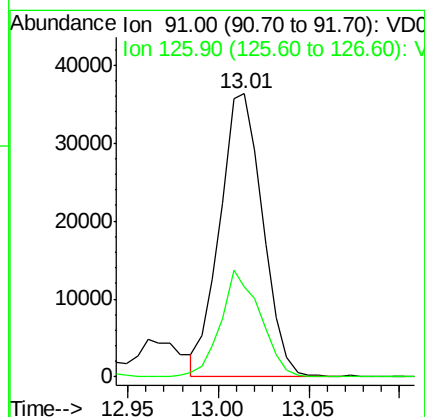
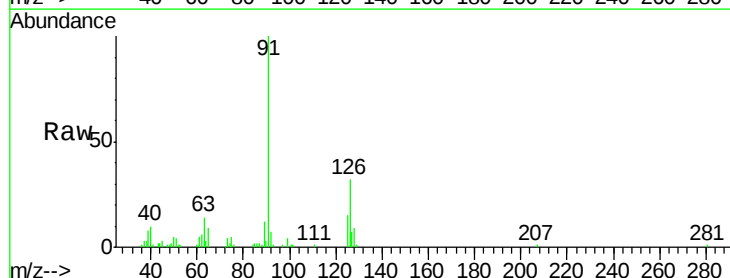
Acq: 23 Jan 2020 10:58

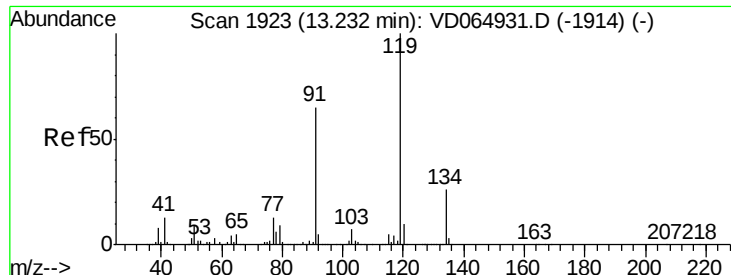
Tgt Ion: 91 Resp: 59845

Ion Ratio Lower Upper

91 100

126 34.8 18.0 54.0

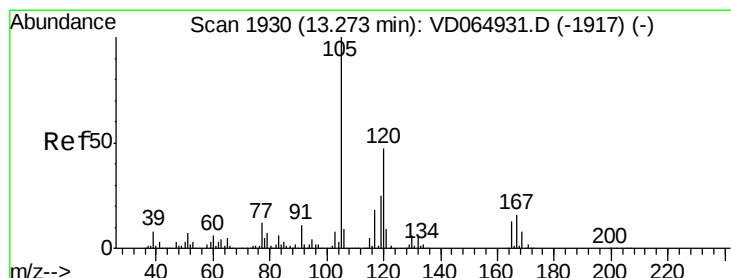
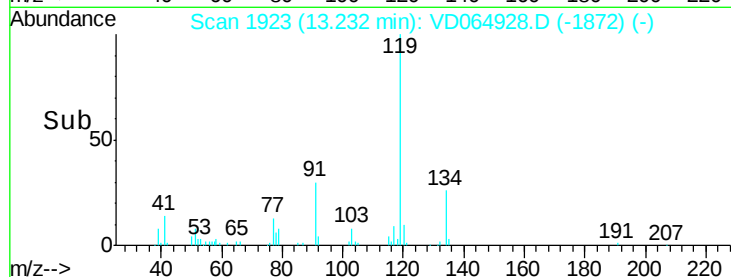
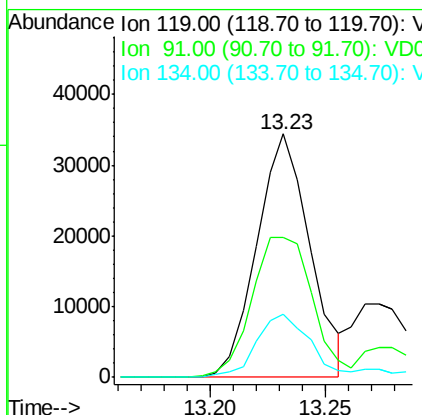
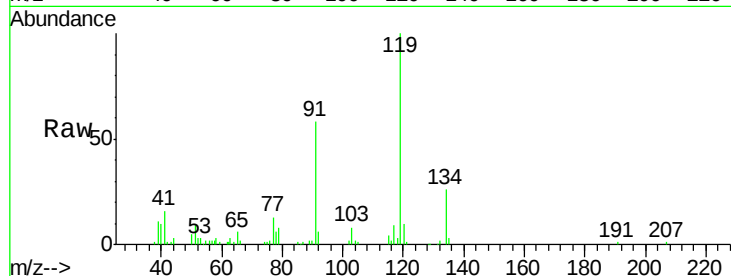




#83
 tert-Butylbenzene
 Concen: 4.04 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

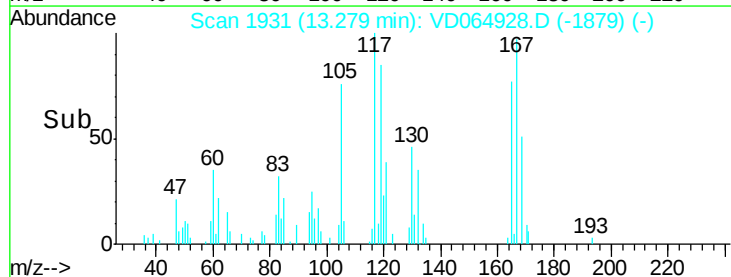
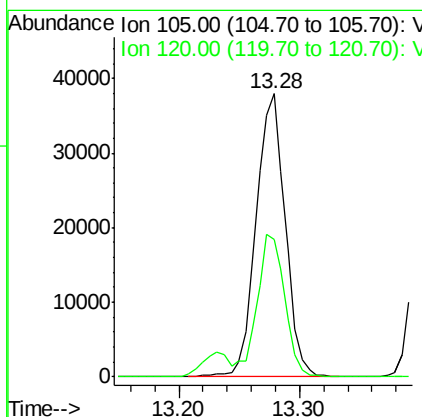
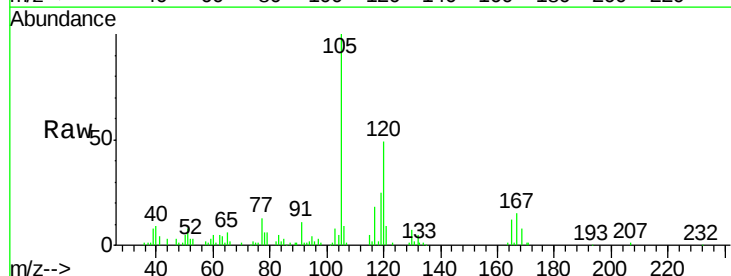
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

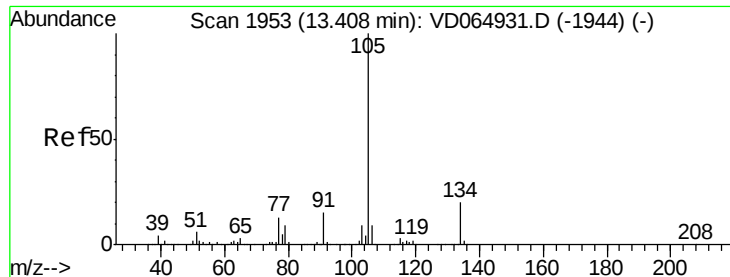
Tgt Ion:119 Resp: 54916
 Ion Ratio Lower Upper
 119 100
 91 66.2 32.0 96.0
 134 26.2 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.07 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion:105 Resp: 63799
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.1 69.3

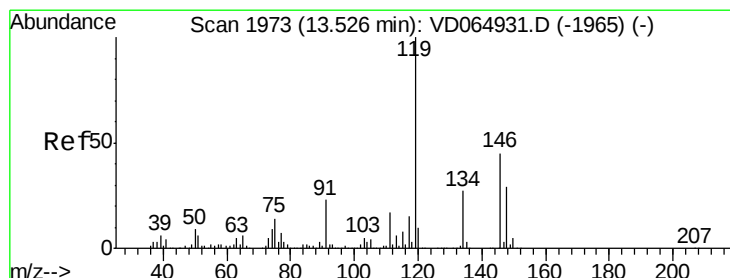
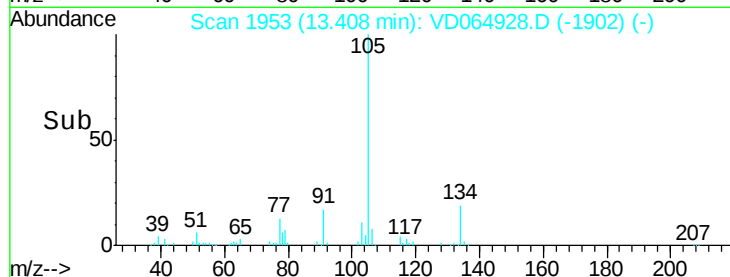
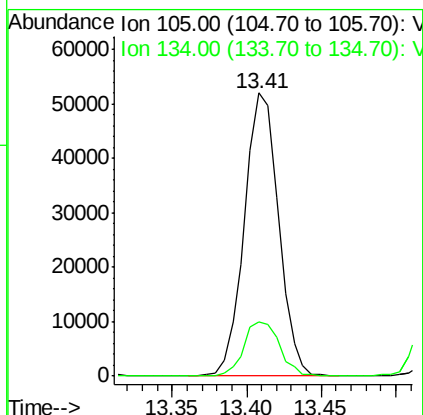
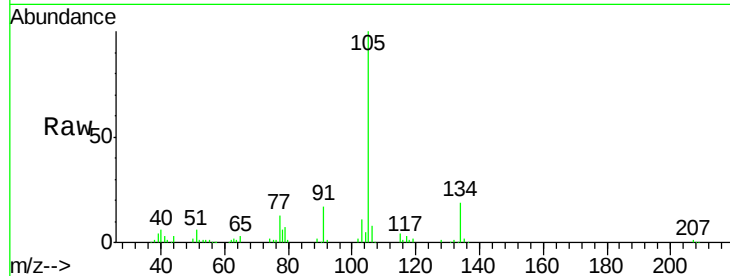




#85
 sec-Butylbenzene
 Concen: 4.41 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

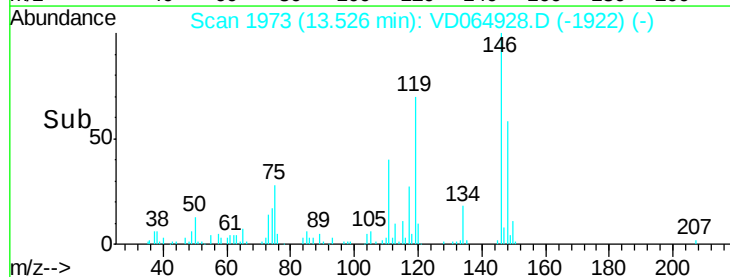
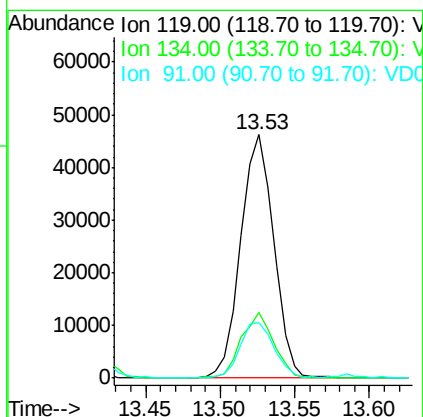
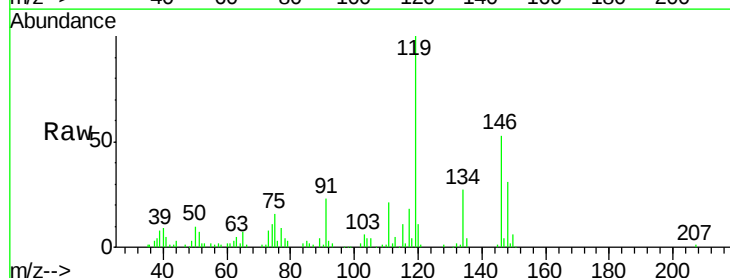
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

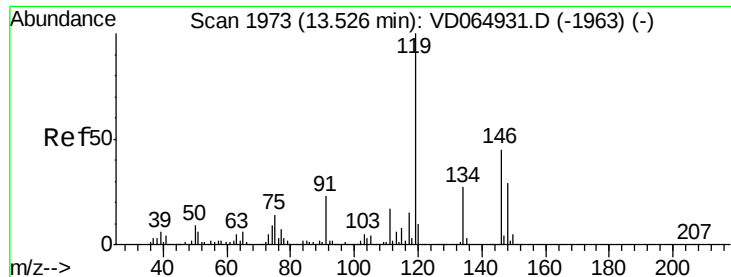
Tgt Ion:105 Resp: 82497
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 3.98 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion:119 Resp: 71121
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 23.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 4.46 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

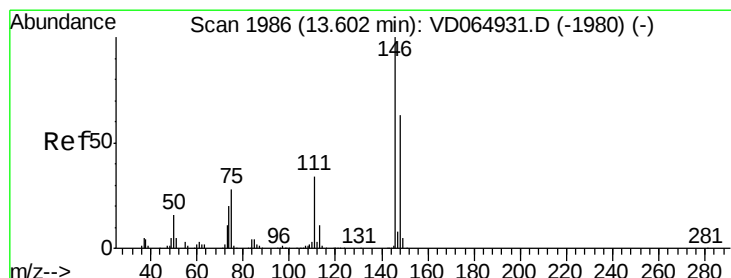
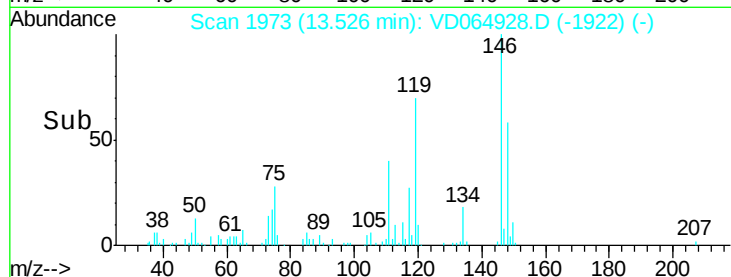
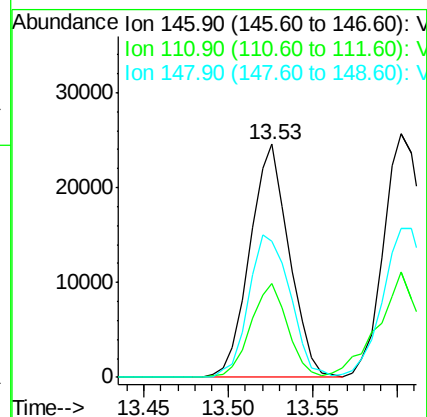
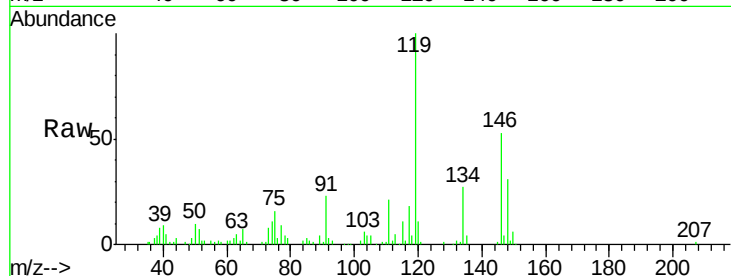
Tgt Ion:146 Resp: 39899

Ion Ratio Lower Upper

146 100

111 38.0 18.9 56.9

148 64.6 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 4.86 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

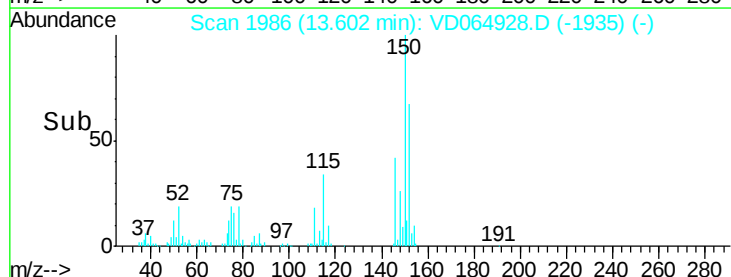
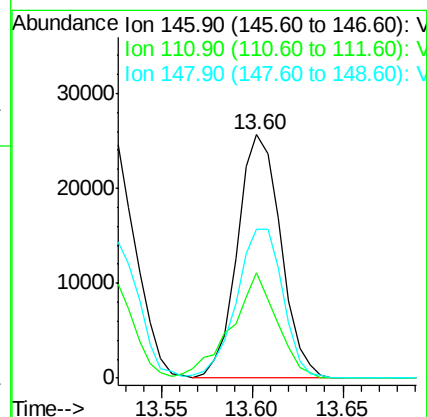
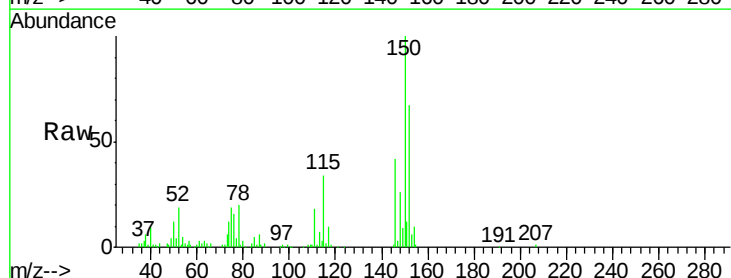
Tgt Ion:146 Resp: 42642

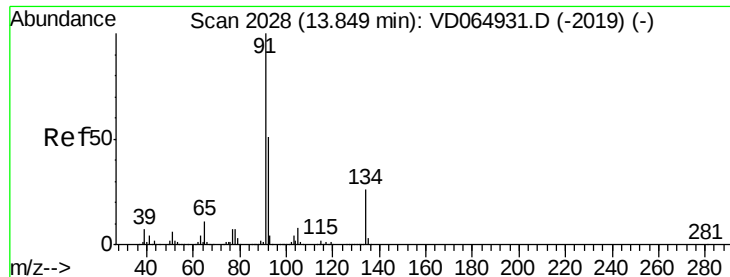
Ion Ratio Lower Upper

146 100

111 45.6 18.2 54.6

148 65.8 32.0 96.0





#89

n-Butylbenzene

Concen: 4.21 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

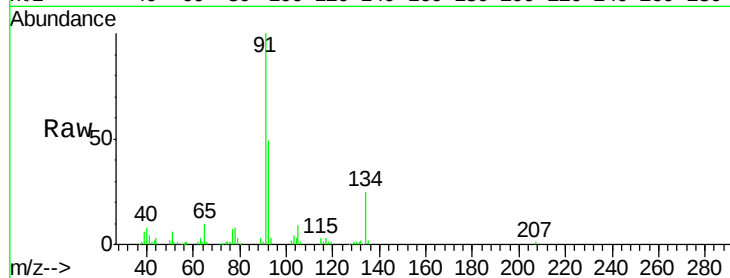
Tgt Ion: 91 Resp: 68016

Ion Ratio Lower Upper

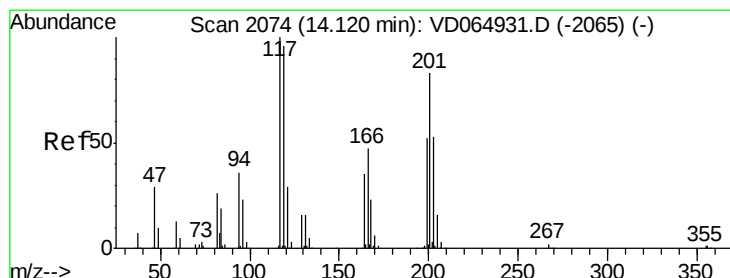
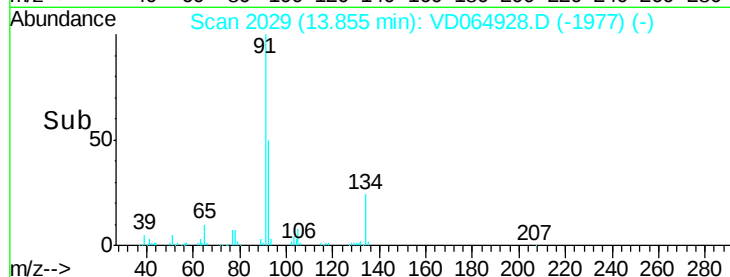
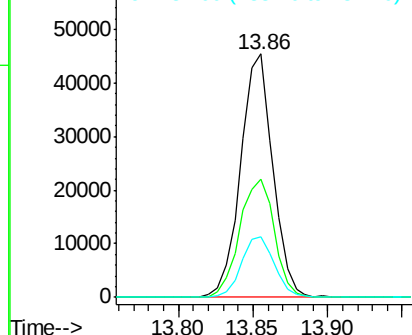
91 100

92 52.1 26.4 79.0

134 25.6 13.3 39.9



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



#90

Hexachloroethane

Concen: 4.77 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064928.D

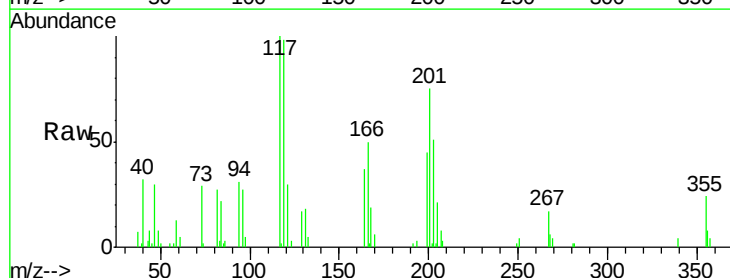
Acq: 23 Jan 2020 10:58

Tgt Ion: 117 Resp: 16266

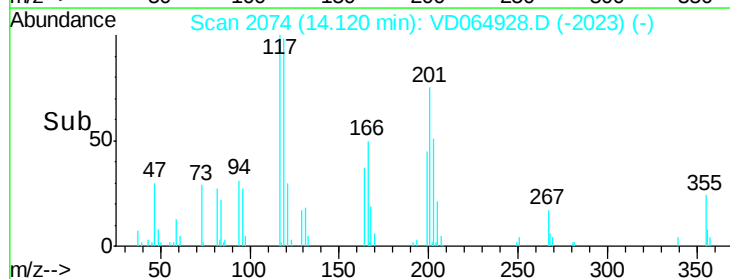
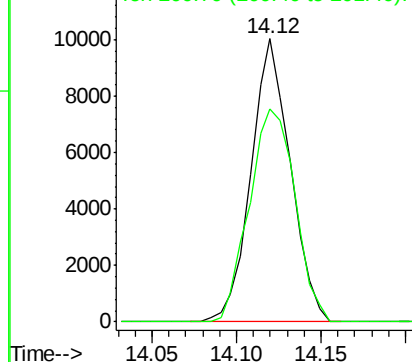
Ion Ratio Lower Upper

117 100

201 87.5 41.1 123.3



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

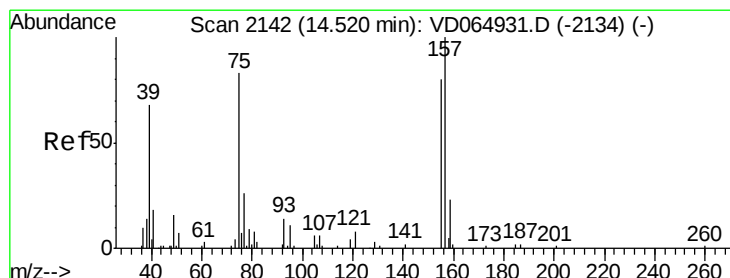
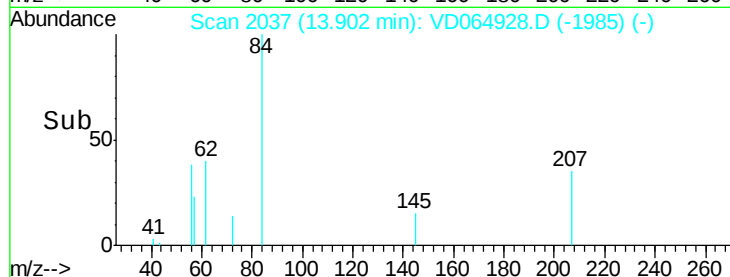
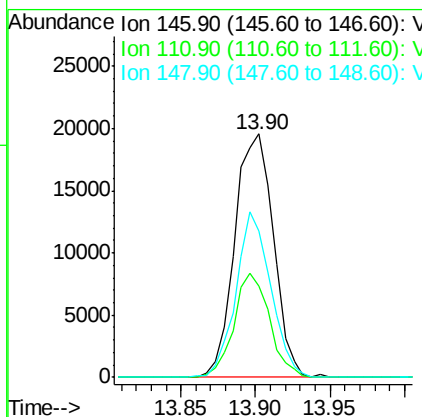
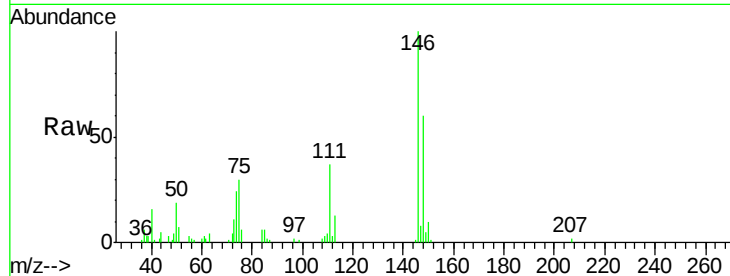




#91
 1,2-Dichlorobenzene
 Concen: 4.61 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

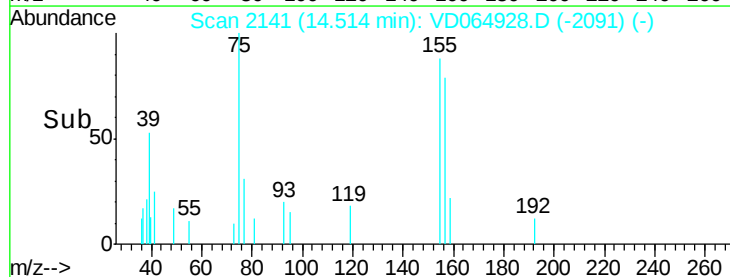
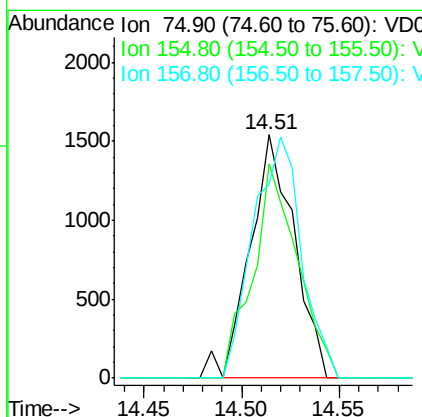
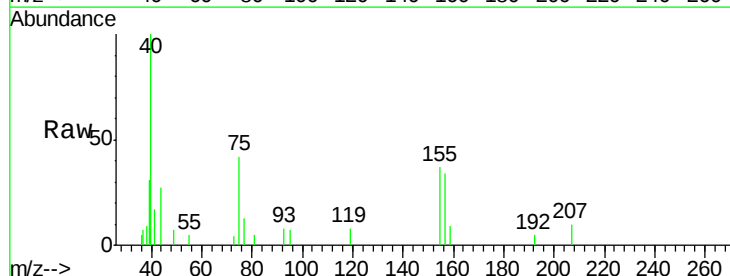
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

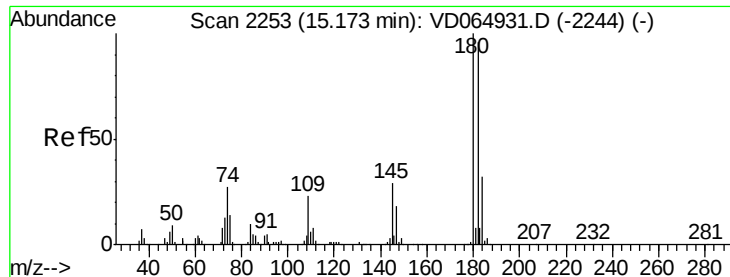
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	61.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.95 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064928.D
 Acq: 23 Jan 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	44.9	134.7
157	107.9	58.9	176.6





#93

1,2,4-Trichlorobenzene

Concen: 4.25 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

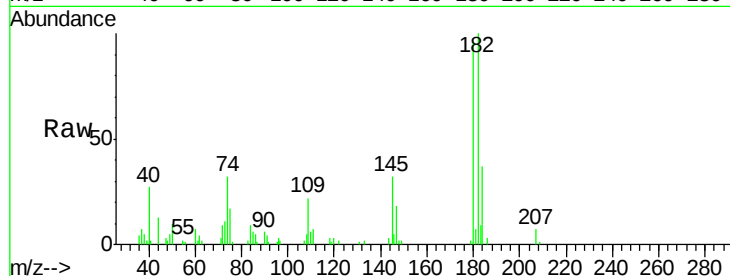
Tgt Ion:180 Resp: 23593

Ion Ratio Lower Upper

180 100

182 101.7 47.1 141.4

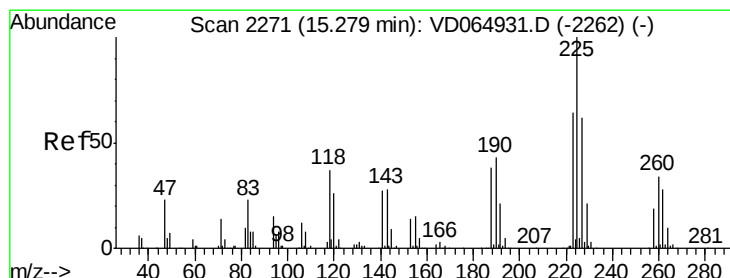
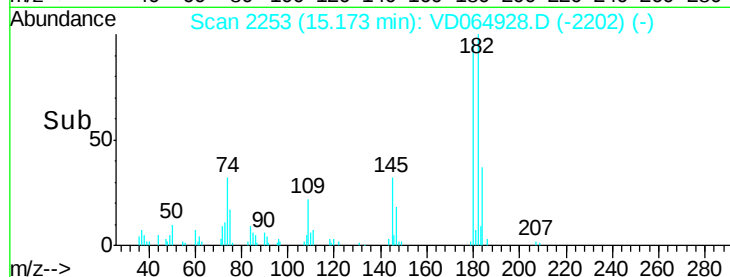
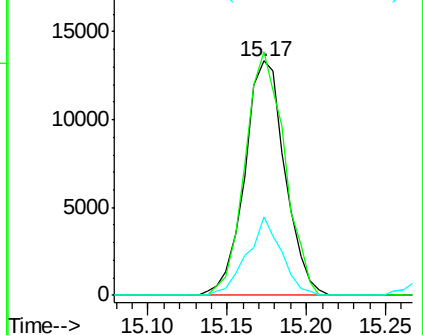
145 28.5 14.1 42.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 4.71 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

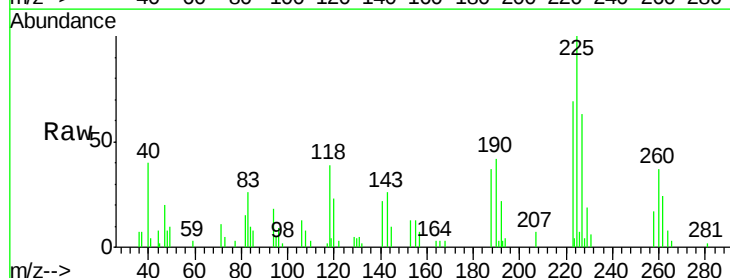
Tgt Ion:225 Resp: 16431

Ion Ratio Lower Upper

225 100

223 59.9 32.4 97.2

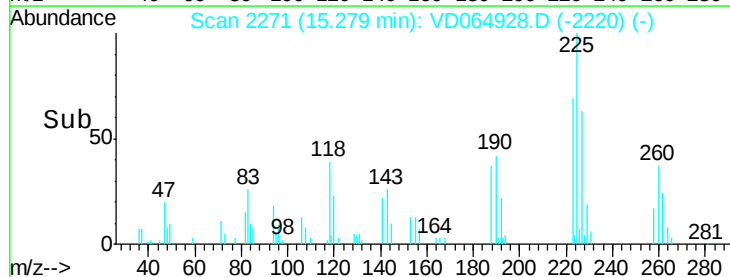
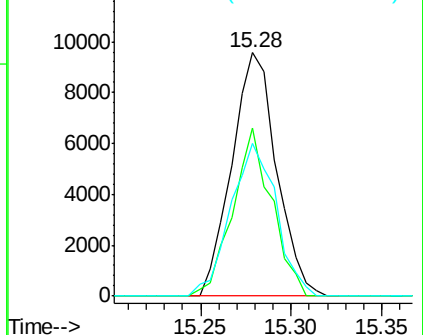
227 63.8 31.9 95.9

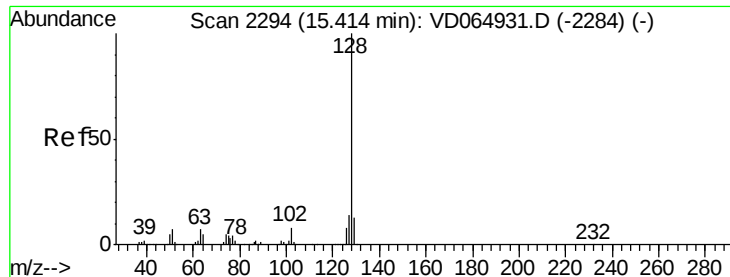


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.88 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

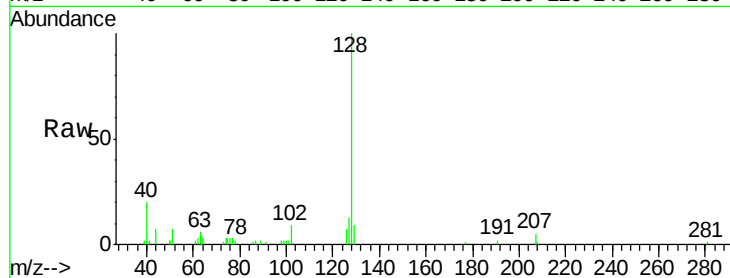
Tgt Ion:128 Resp: 34176

Ion Ratio Lower Upper

128 100

127 16.4 10.6 15.8#

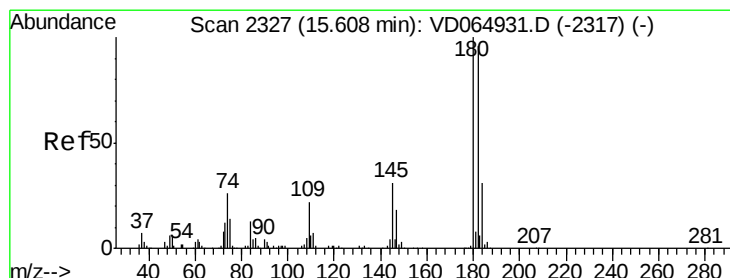
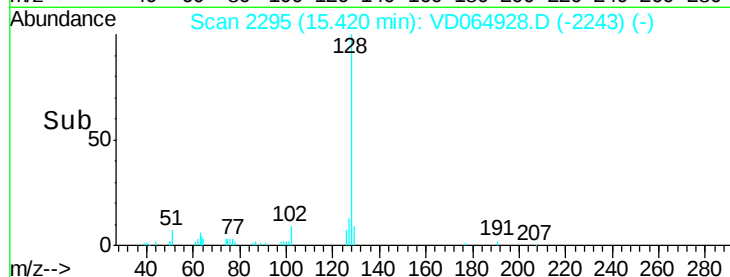
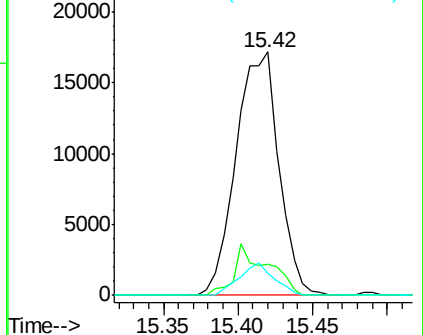
129 10.6 9.3 13.9



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: 4.38 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064928.D

Acq: 23 Jan 2020 10:58

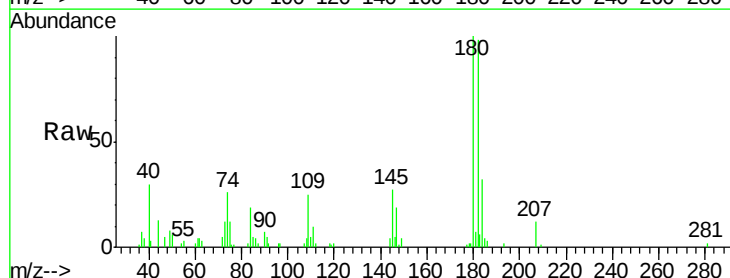
Tgt Ion:180 Resp: 20822

Ion Ratio Lower Upper

180 100

182 94.1 47.3 141.8

145 28.3 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

