

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064973.D
 Acq On : 28 Jan 2020 10:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:31:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	513355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310330	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	225606	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
35) Dibromofluoromethane	7.91	113	221921	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.34	98	883320	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	268102	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	204937	52.991	ug/l	99
3) Chloromethane	2.21	50	276190	48.727	ug/l	94
4) Vinyl Chloride	2.35	62	327471	50.302	ug/l	99
5) Bromomethane	2.77	94	212594	48.546	ug/l	97
6) Chloroethane	2.93	64	209321	48.771	ug/l	100
7) Trichlorofluoromethane	3.27	101	498071	49.539	ug/l	99
8) Diethyl Ether	3.71	74	104408	46.000	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241924	51.719	ug/l	99
10) Methyl Iodide	4.29	142	275484	55.483	ug/l	99
11) Tert butyl alcohol	5.24	59	55327	203.323	ug/l	98
12) 1,1-Dichloroethene	4.06	96	232975	52.136	ug/l	92
13) Acrolein	3.93	56	91133	267.155	ug/l	95
14) Allyl chloride	4.71	41	375651	52.708	ug/l	98
15) Acrylonitrile	5.43	53	223278	227.167	ug/l	99
16) Acetone	4.16	43	273352	232.599	ug/l	99
17) Carbon Disulfide	4.40	76	750848	51.054	ug/l	99
18) Methyl Acetate	4.73	43	103090	44.701	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	479025	47.976	ug/l	99
20) Methylene Chloride	4.96	84	236125	49.211	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	262281	50.944	ug/l	94
22) Diisopropyl ether	6.37	45	711976	50.126	ug/l	99
23) Vinyl Acetate	6.31	43	2026030	243.629	ug/l	100
24) 1,1-Dichloroethane	6.27	63	438000	50.225	ug/l	99
25) 2-Butanone	7.22	43	301870	226.912	ug/l	97
26) 2,2-Dichloropropane	7.21	77	420758	53.192	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276849	50.381	ug/l	99
28) Bromochloromethane	7.55	49	171857	49.275	ug/l	100
29) Tetrahydrofuran	7.57	42	179321	218.465	ug/l	99
30) Chloroform	7.71	83	445471	49.415	ug/l	99
31) Cyclohexane	7.99	56	419754	48.928	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	429455	51.208	ug/l	100
36) 1,1-Dichloropropene	8.11	75	369850	51.780	ug/l	99
37) Ethyl Acetate	7.30	43	135450	45.910	ug/l	98
38) Carbon Tetrachloride	8.10	117	392664	52.012	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	444531	53.233	ug/l	98
40) Benzene	8.36	78	999976	50.832	ug/l	98
41) Methacrylonitrile	7.53	41	78757	49.553	ug/l	95
42) 1,2-Dichloroethane	8.43	62	276222	47.137	ug/l	99
43) Isopropyl Acetate	8.46	43	257866	46.012	ug/l	98
44) Trichloroethene	9.11	130	283677	51.525	ug/l	99
45) 1,2-Dichloropropane	9.39	63	237728	49.849	ug/l	97
46) Dibromomethane	9.48	93	122620	47.096	ug/l	98
47) Bromodichloromethane	9.67	83	335371	49.502	ug/l	97
48) Methyl methacrylate	9.46	41	119529	46.347	ug/l	96
49) 1,4-Dioxane	9.46	88	26901	890.862	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	645852	230.318	ug/l	100
52) Toluene	10.41	92	655292	51.667	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	319620	49.527	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	376372	49.812	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	165784	47.271	ug/l	98
56) Ethyl methacrylate	10.67	69	204492	48.759	ug/l	99
57) 1,3-Dichloropropane	10.95	76	288932	48.033	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	289580	207.836	ug/l	98
59) 2-Hexanone	10.99	43	477544	246.889	ug/l	99
60) Dibromochloromethane	11.14	129	225148	48.032	ug/l	98
61) 1,2-Dibromoethane	11.25	107	161054	47.692	ug/l	97
64) Tetrachloroethene	10.88	164	240440	52.814	ug/l	97
65) Chlorobenzene	11.67	112	660919	51.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	251881	52.359	ug/l	99
67) Ethyl Benzene	11.75	91	1238731	54.548	ug/l	98
68) m/p-Xylenes	11.86	106	964973	110.365	ug/l	100
69) o-Xylene	12.18	106	423041	54.516	ug/l	99
70) Styrene	12.20	104	756812	54.749	ug/l	99
71) Bromoform	12.37	173	132116	49.405	ug/l #	100
73) Isopropylbenzene	12.48	105	1175199	55.406	ug/l	100
74) N-amyl acetate	12.30	43	234525	49.412	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	169783	47.626	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	233667	90.717	ug/l #	100
77) Bromobenzene	12.77	156	266051	51.265	ug/l	99
78) n-propylbenzene	12.83	91	1398097	55.426	ug/l	100
79) 2-Chlorotoluene	12.91	91	753340	54.441	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	962980	55.401	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59574	49.385	ug/l	98
82) 4-Chlorotoluene	13.01	91	781229	53.235	ug/l	99
83) tert-Butylbenzene	13.23	119	806530	54.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	949671	53.933	ug/l	100
85) sec-Butylbenzene	13.41	105	1160100	55.545	ug/l	98
86) p-Isopropyltoluene	13.53	119	1086664	55.601	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	520539	52.276	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	507316	51.332	ug/l	100
89) n-Butylbenzene	13.86	91	992167	55.627	ug/l	100
90) Hexachloroethane	14.12	117	203848	54.086	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	430699	50.949	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26584	46.598	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

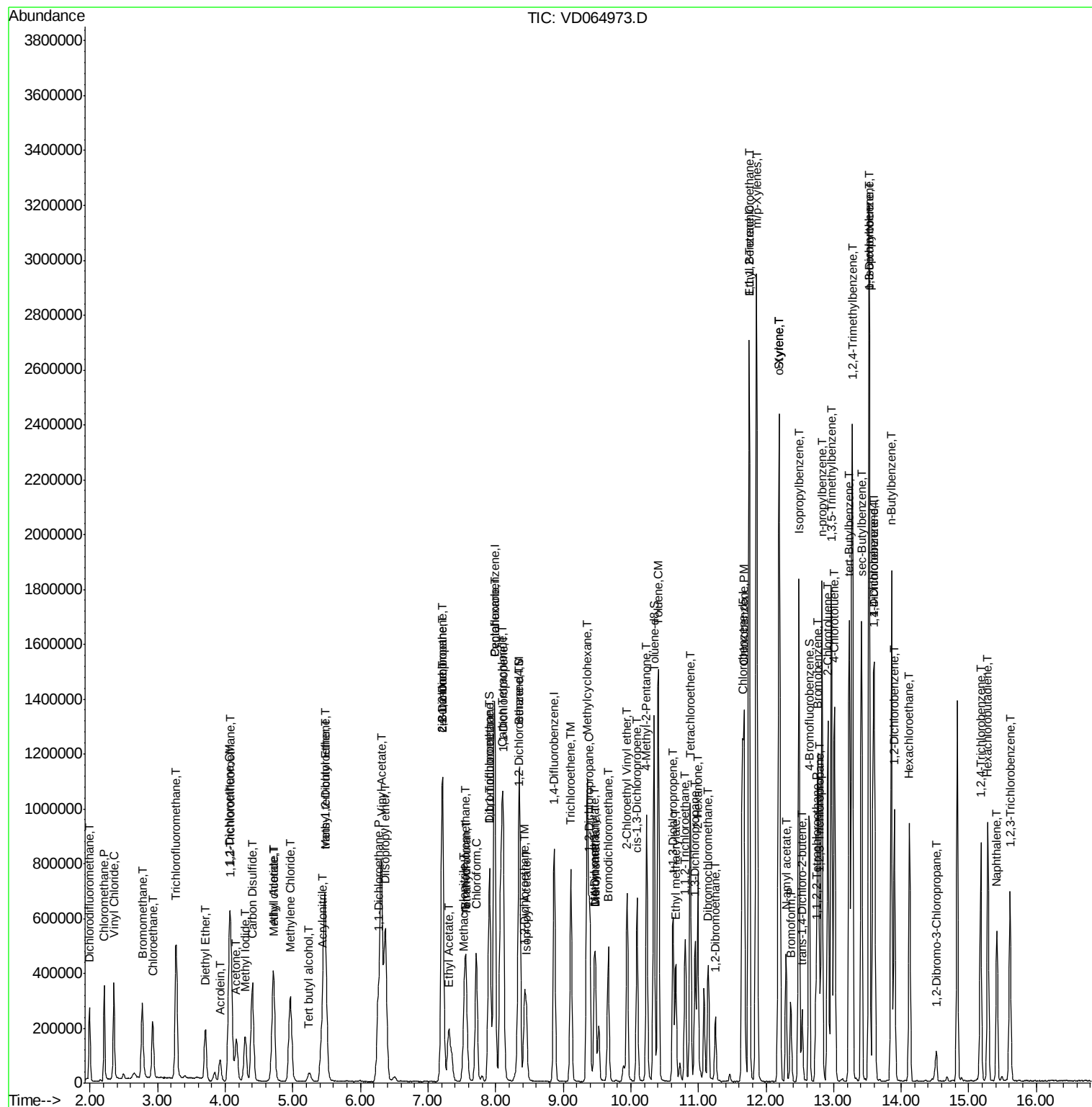
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	303901	51.964	ug/l	99
94) Hexachlorobutadiene	15.28	225	191503	51.769	ug/l	98
95) Naphthalene	15.41	128	481036	50.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	256487	50.581	ug/l	99

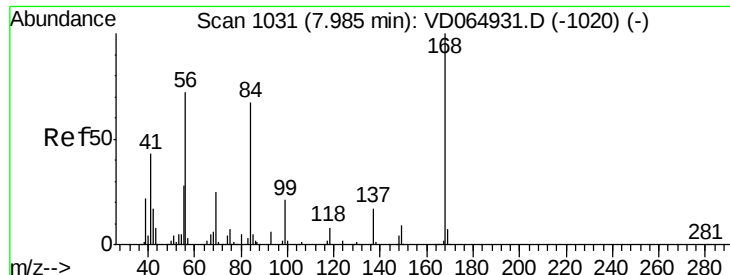
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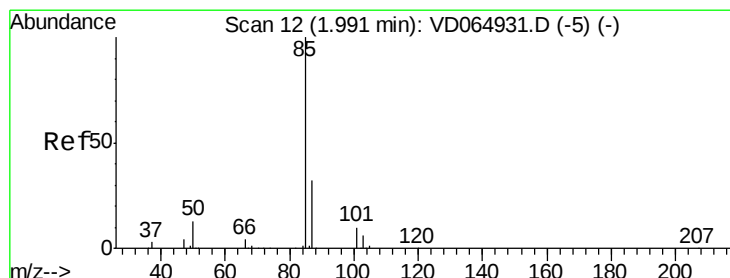
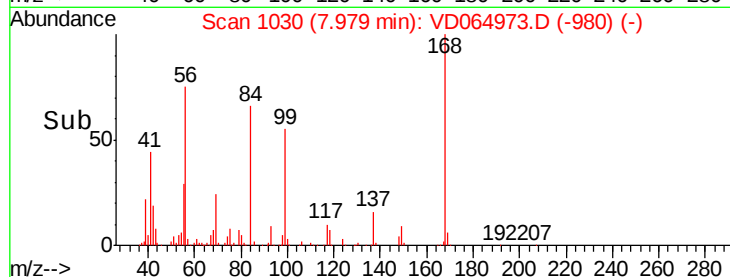
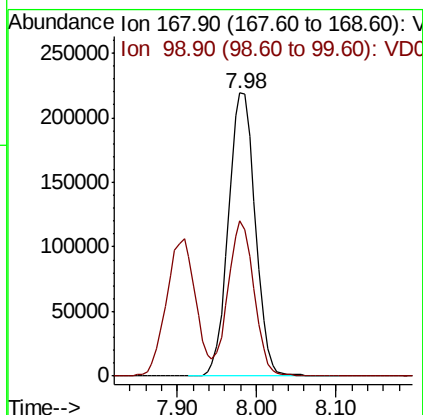
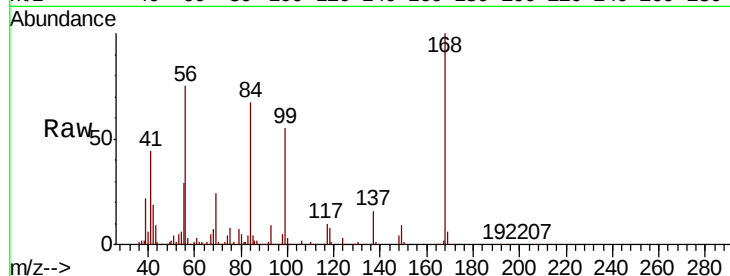




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064973.D
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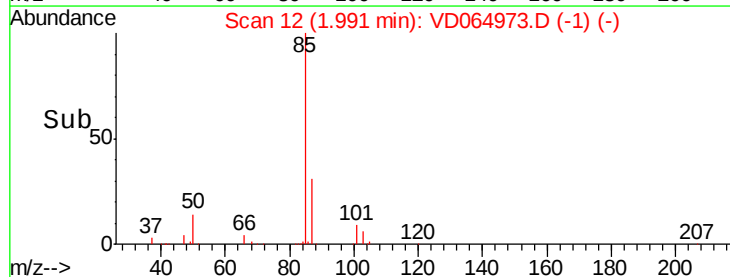
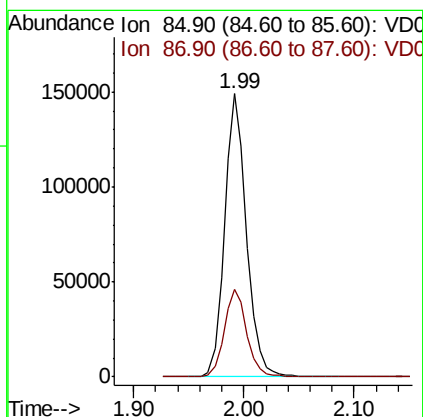
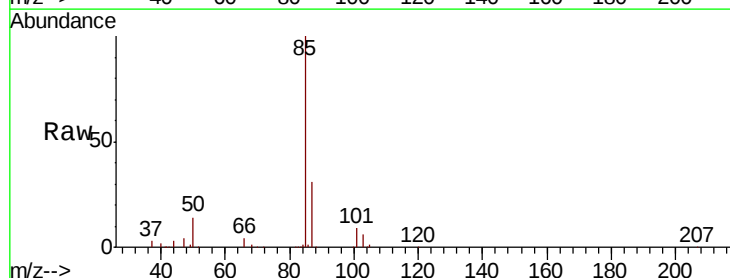
Instrument :
MSVOA_D
ClientSampleId :

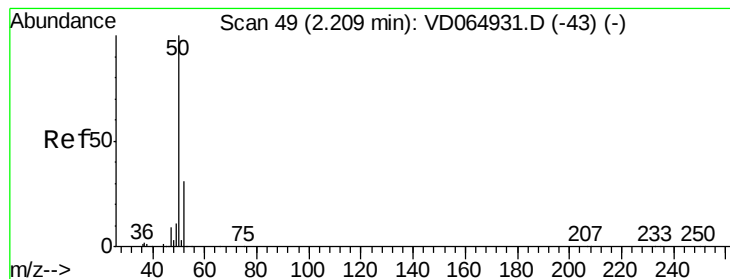
Tot Ion:168 Resp: 513355
Ion Ratio Lower Upper
168 100
99 54.6 43.3 64.9



#2
Dichlorodifluoromethane
Concen: 52.991 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 85 Resp: 204937
Ion Ratio Lower Upper
85 100
87 31.1 15.8 47.3





#3

Chloromethane

Concen: 48.727 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

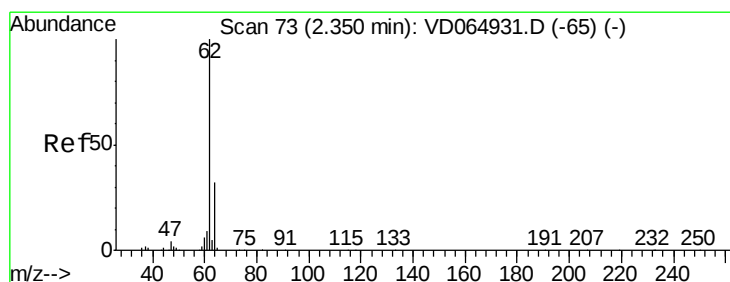
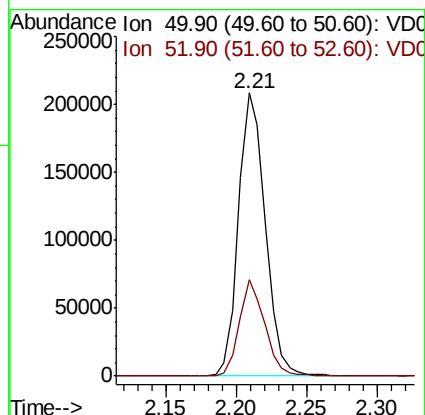
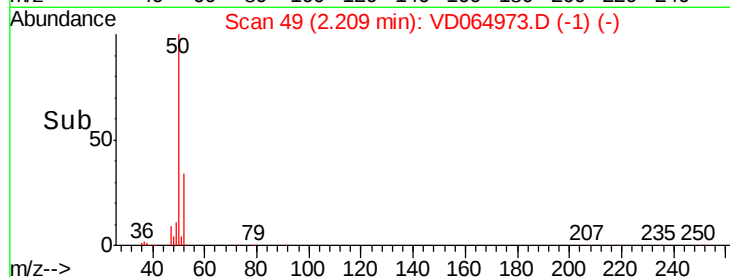
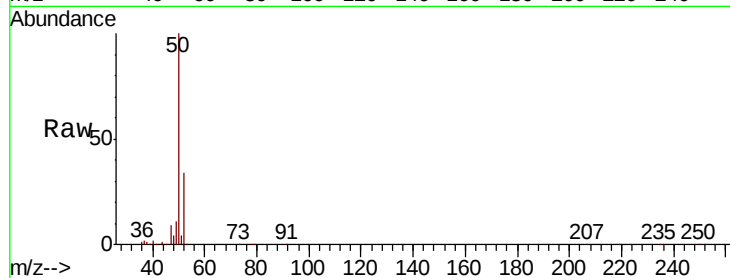
ClientSampleId :

Tot Ion: 50 Resp: 276190

Ion Ratio Lower Upper

50 100

52 34.0 24.6 36.8



#4

Vinyl Chloride

Concen: 50.302 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064973.D

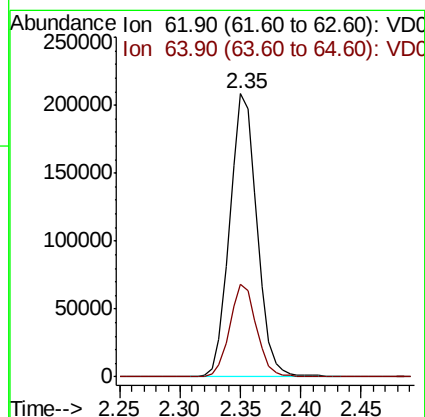
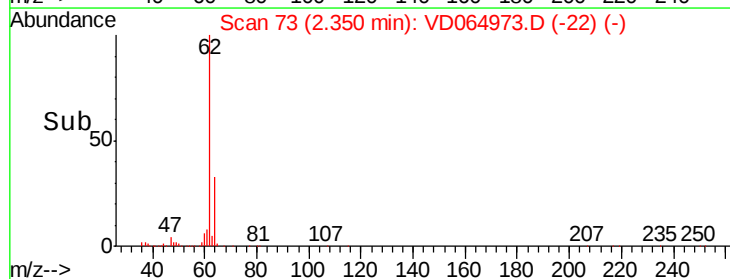
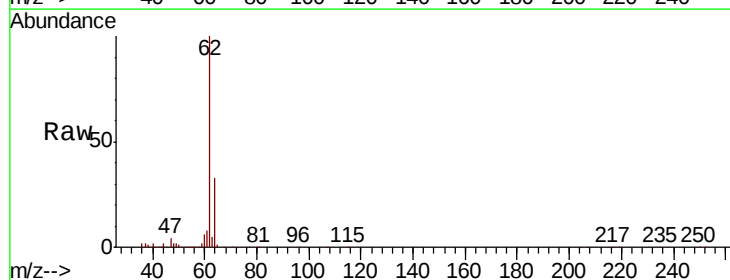
Acq: 28 Jan 2020 10:50

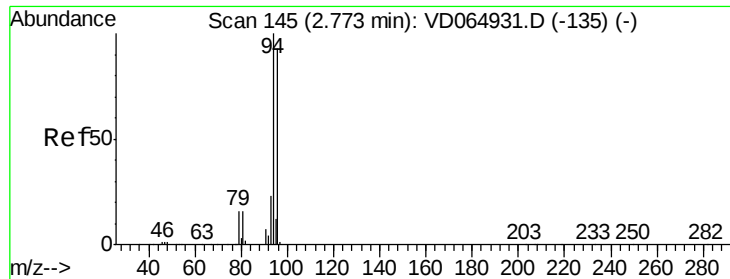
Tgt Ion: 62 Resp: 327471

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 48.546 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

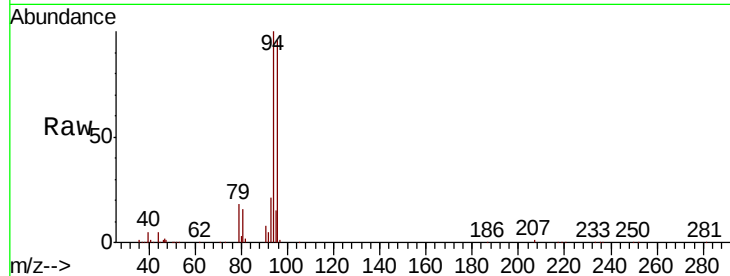
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 212594

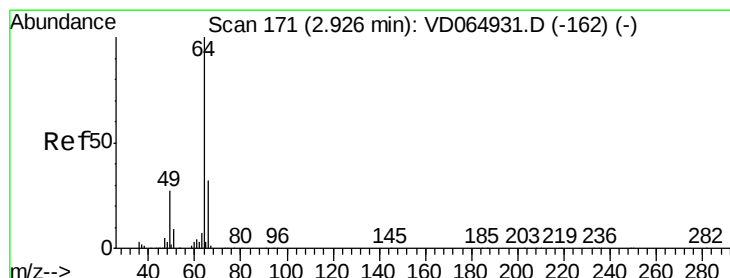
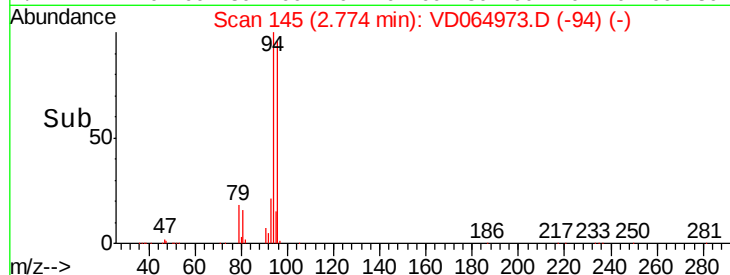
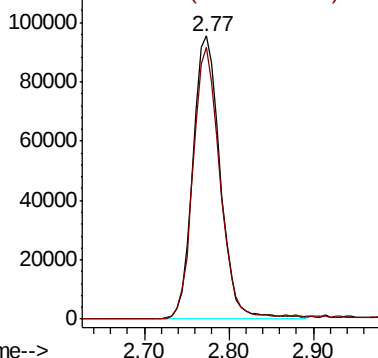
Ion Ratio Lower Upper

94 100

96 95.8 74.6 111.8



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



#6

Chloroethane

Concen: 48.771 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064973.D

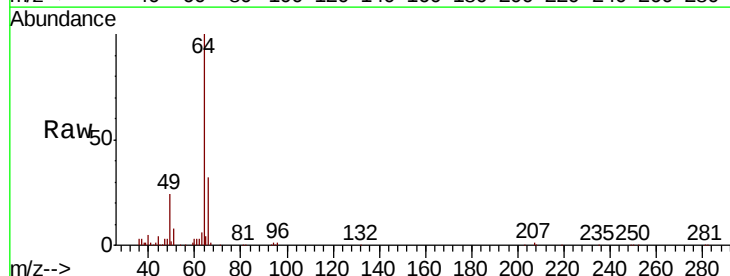
Acq: 28 Jan 2020 10:50

Tgt Ion: 64 Resp: 209321

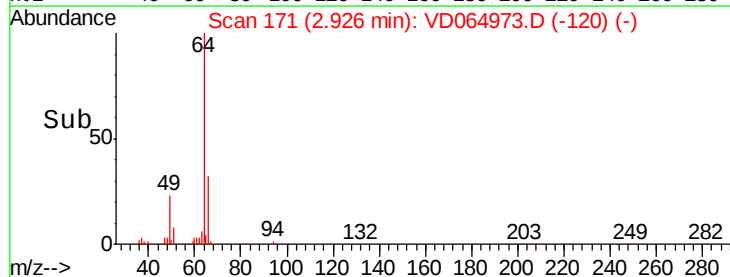
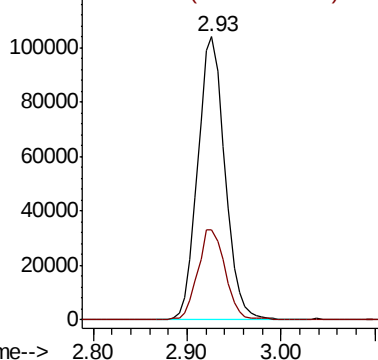
Ion Ratio Lower Upper

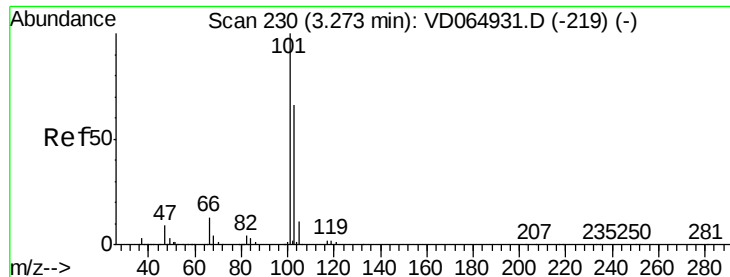
64 100

66 31.8 25.3 37.9



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



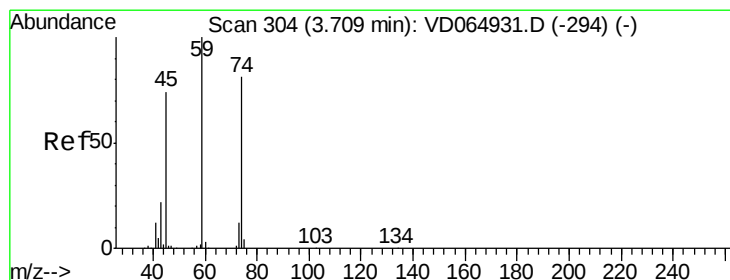
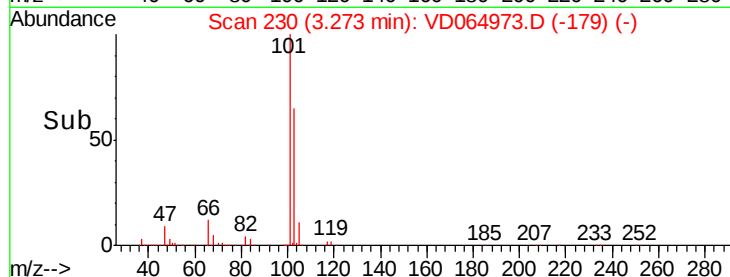
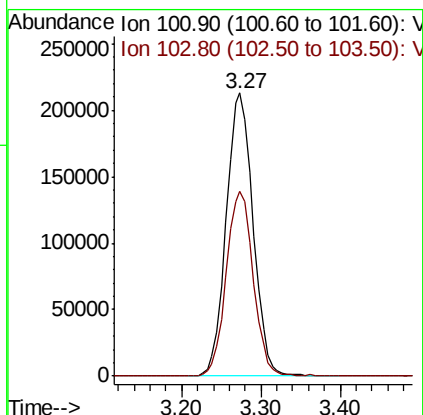
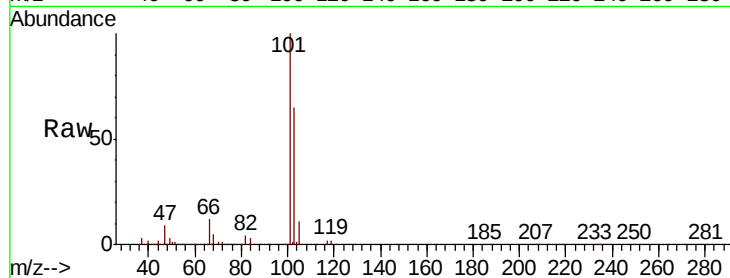


#7

Trichlorofluoromethane
 Concen: 49.539 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :

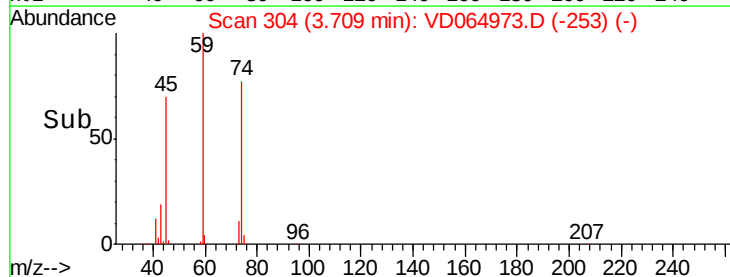
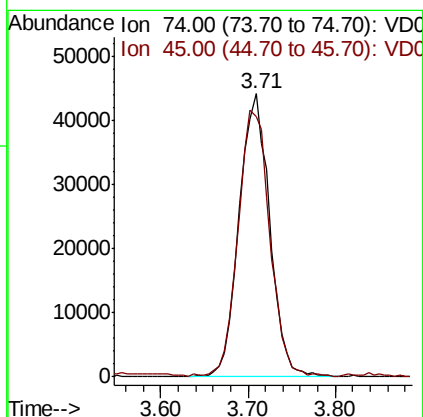
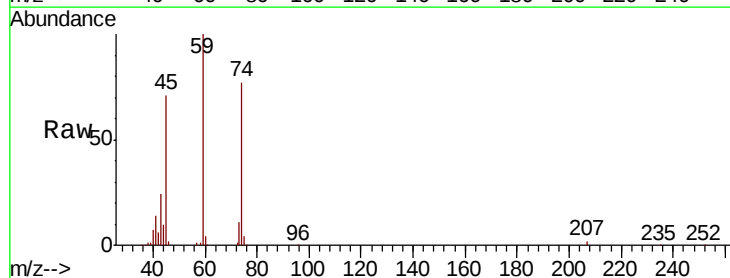
Tot Ion:101 Resp: 498071
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.5 78.7

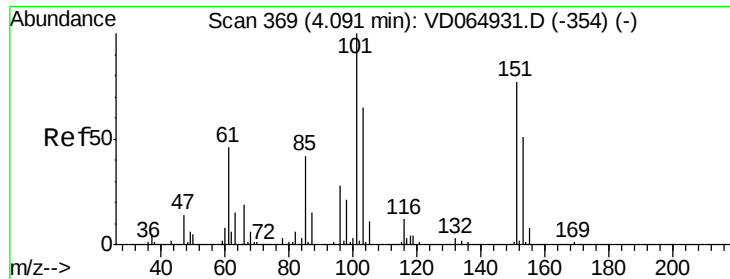


#8

Diethyl Ether
 Concen: 46.000 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion: 74 Resp: 104408
 Ion Ratio Lower Upper
 74 100
 45 98.4 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.719 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

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ClientSampleId :

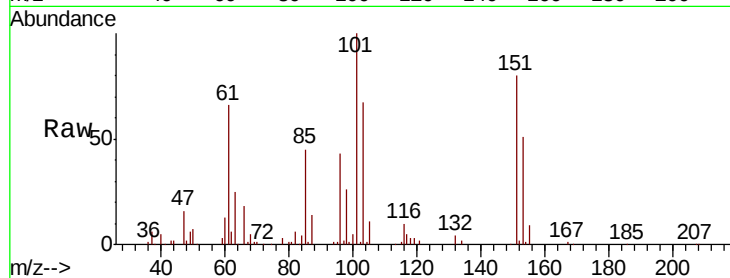
Tot Ion:101 Resp: 241924

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

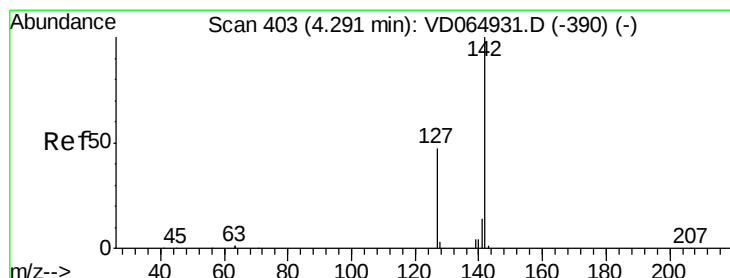
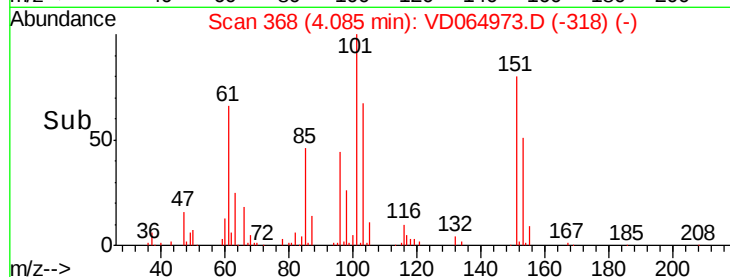
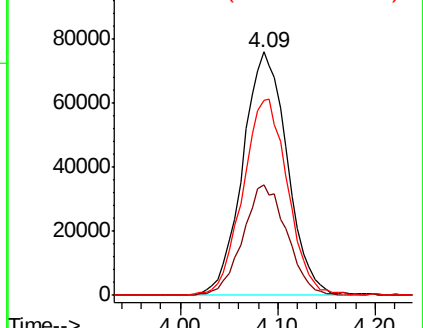
151 81.5 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.483 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

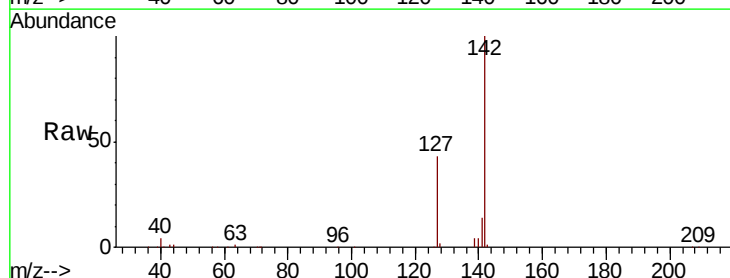
Tgt Ion:142 Resp: 275484

Ion Ratio Lower Upper

142 100

127 44.8 36.2 54.2

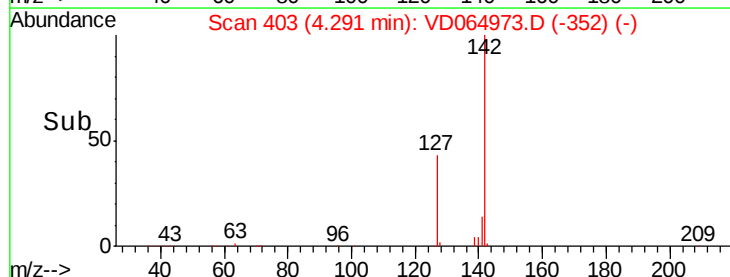
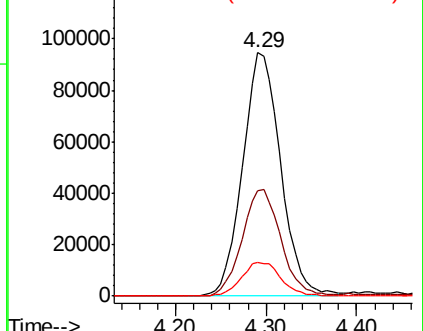
141 14.6 11.6 17.4

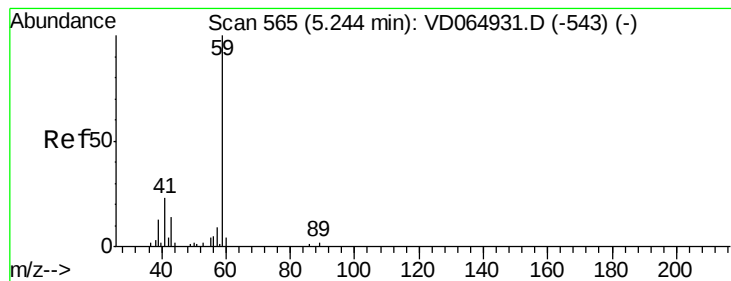


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



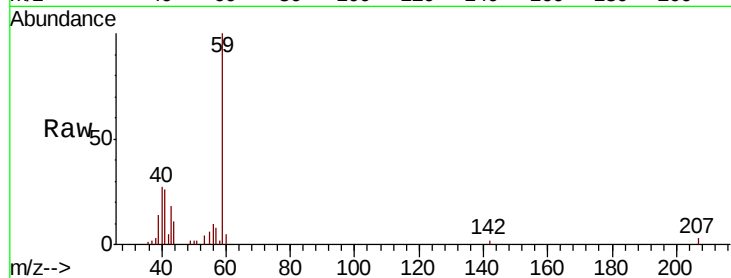


#11

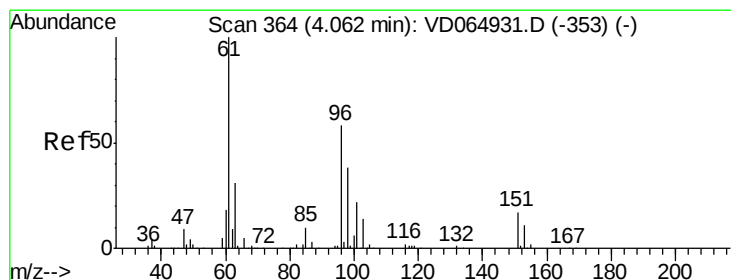
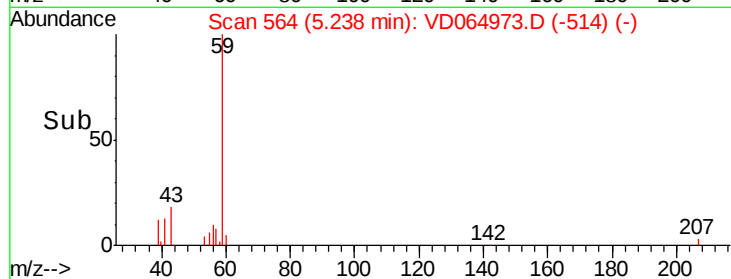
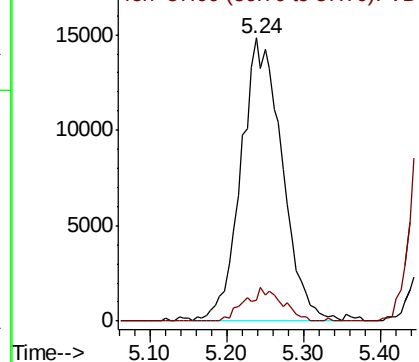
Tert butyl alcohol
Concen: 203.323 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 55327
Ion Ratio Lower Upper
59 100
57 10.5 7.7 11.5



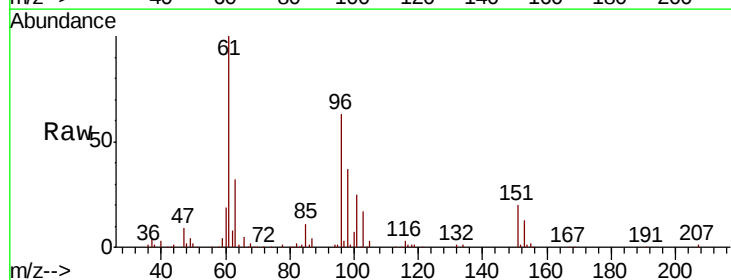
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



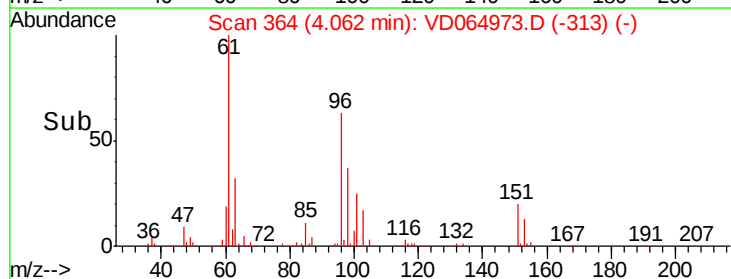
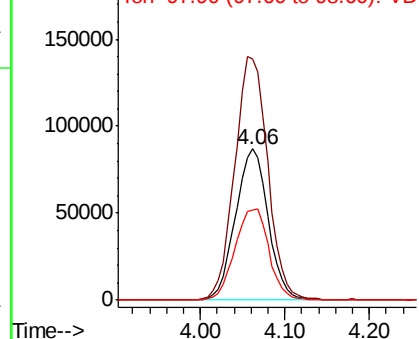
#12

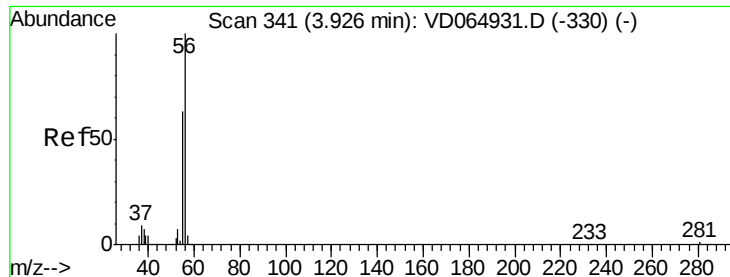
1,1-Dichloroethene
Concen: 52.136 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 96 Resp: 232975
Ion Ratio Lower Upper
96 100
61 159.5 137.0 205.4
98 59.6 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: 267.155 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

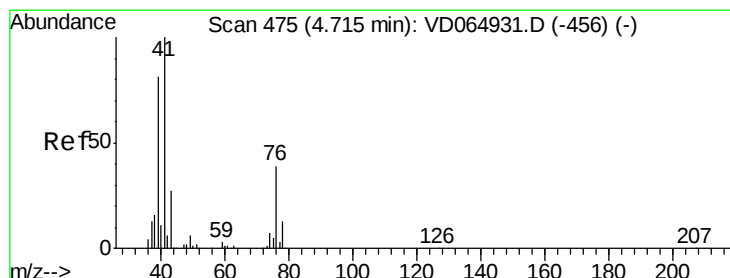
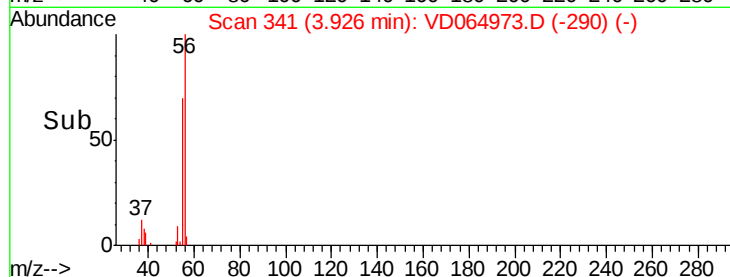
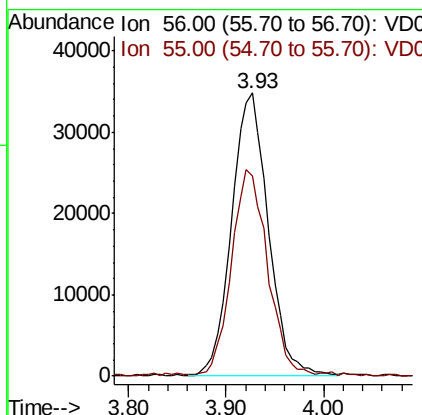
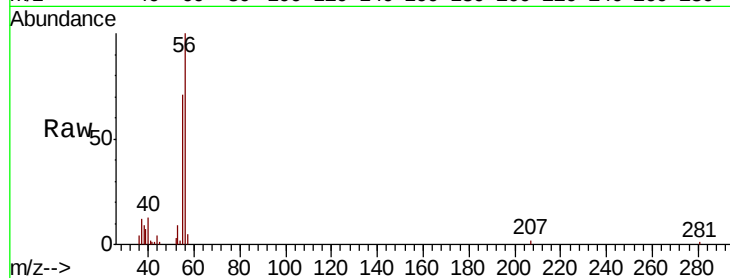
ClientSampleId :

Tot Ion: 56 Resp: 91133

Ion Ratio Lower Upper

56 100

55 70.2 59.7 89.5



#14

Allyl chloride

Concen: 52.708 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

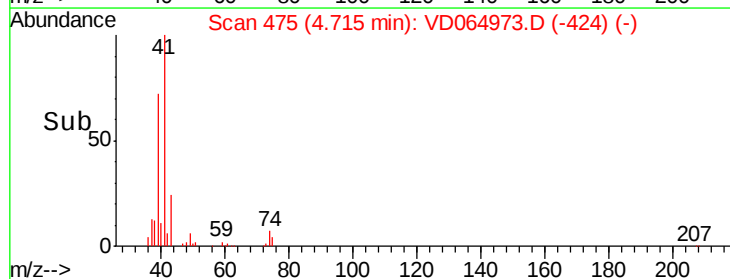
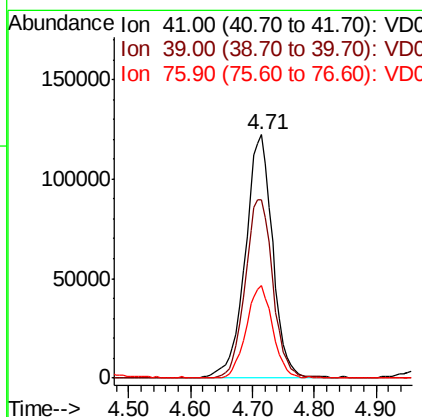
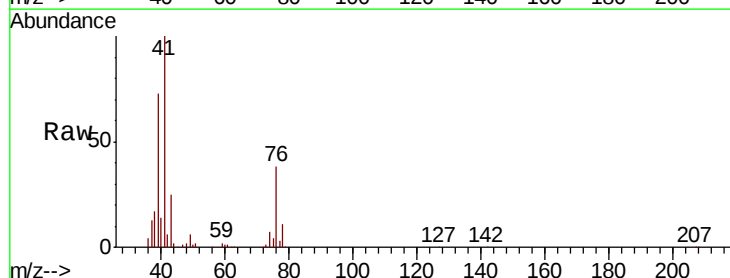
Tgt Ion: 41 Resp: 375651

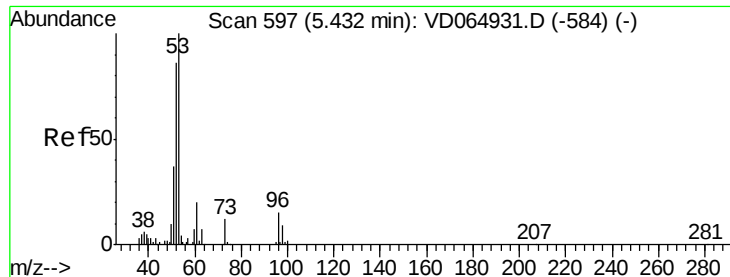
Ion Ratio Lower Upper

41 100

39 74.4 62.0 93.0

76 36.7 29.3 43.9





#15

Acrylonitrile

Concen: 227.167 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

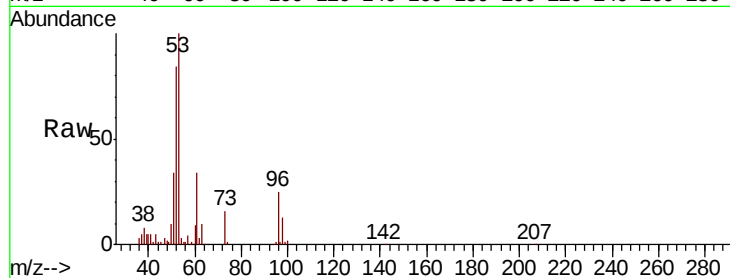
Tot Ion: 53 Resp: 223278

Ion Ratio Lower Upper

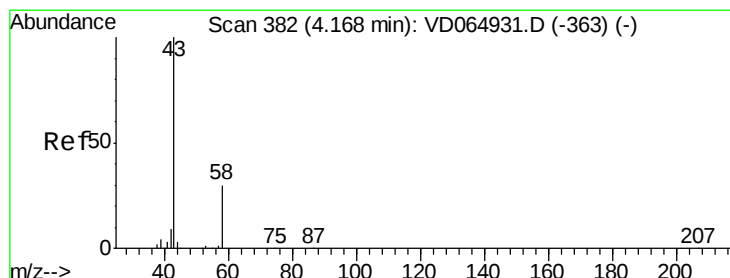
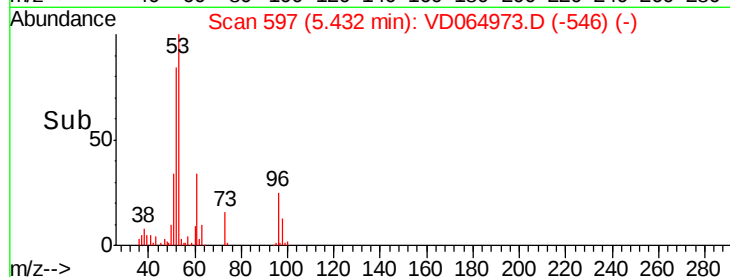
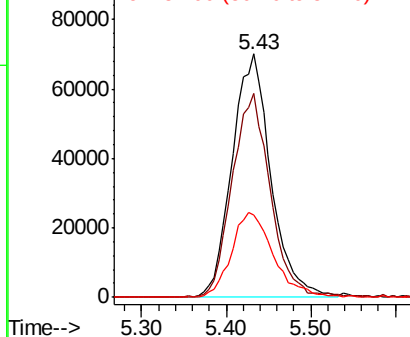
53 100

52 82.5 66.7 100.1

51 37.7 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: 232.599 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064973.D

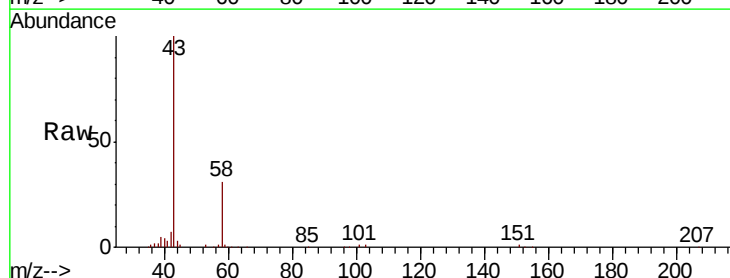
Acq: 28 Jan 2020 10:50

Tgt Ion: 43 Resp: 273352

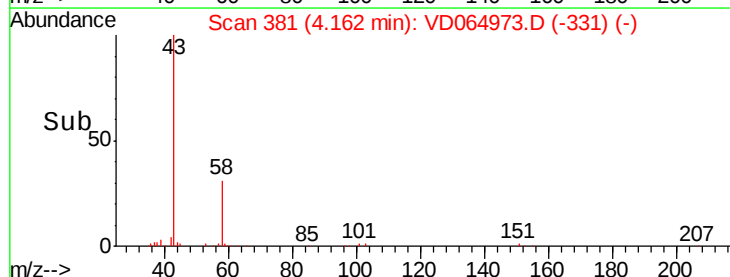
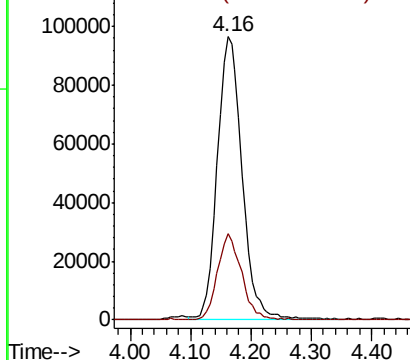
Ion Ratio Lower Upper

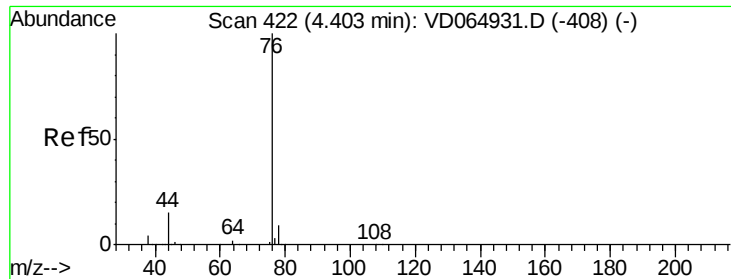
43 100

58 30.4 23.8 35.8



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

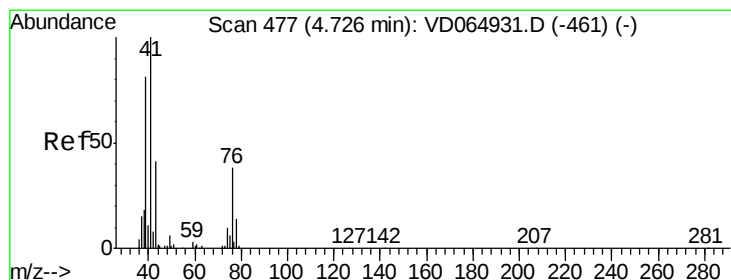
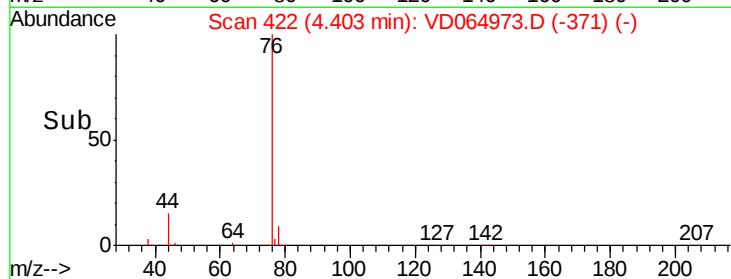
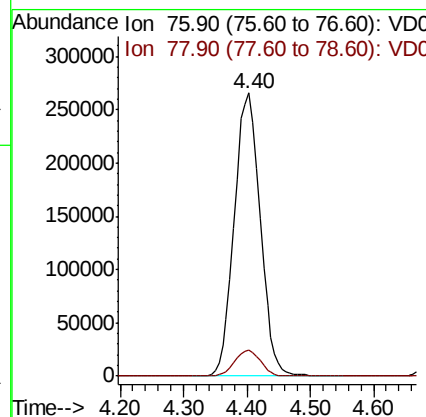
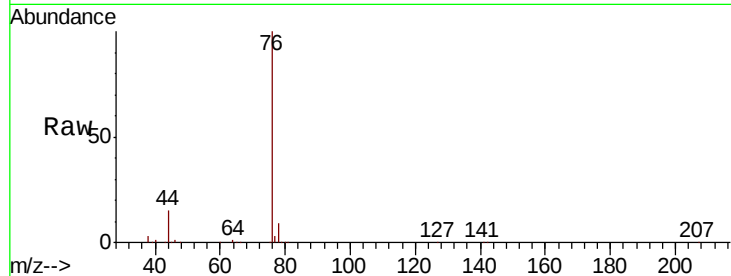




#17
Carbon Disulfide
Concen: 51.054 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

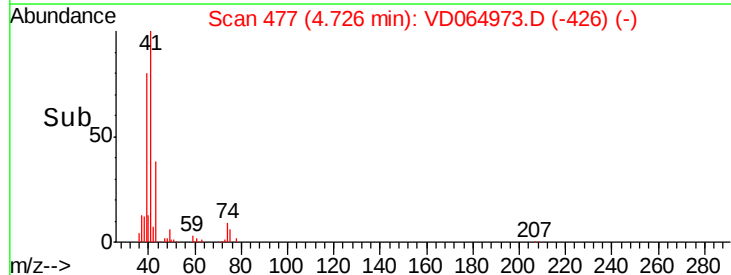
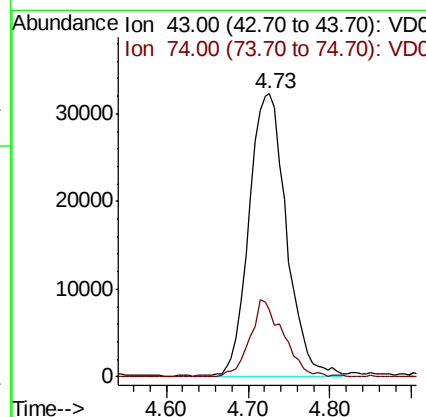
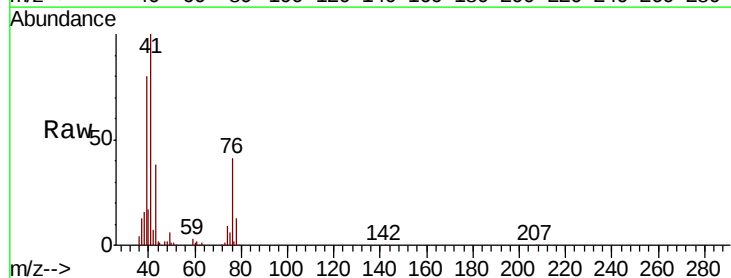
Instrument :
MSVOA_D
ClientSampleId :

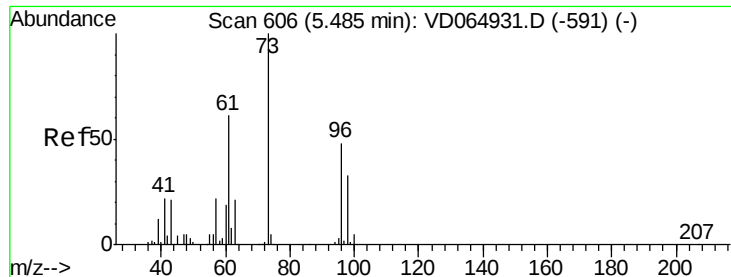
Tot Ion: 76 Resp: 750848
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 44.701 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 43 Resp: 103090
Ion Ratio Lower Upper
43 100
74 24.2 19.1 28.7

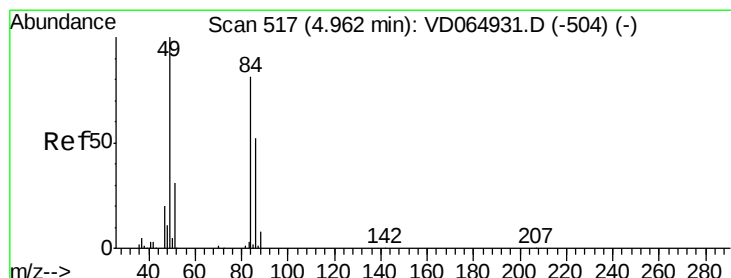
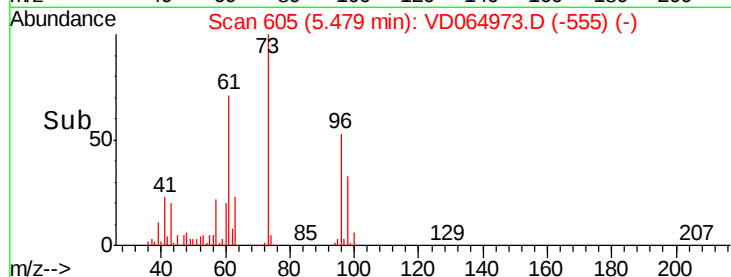
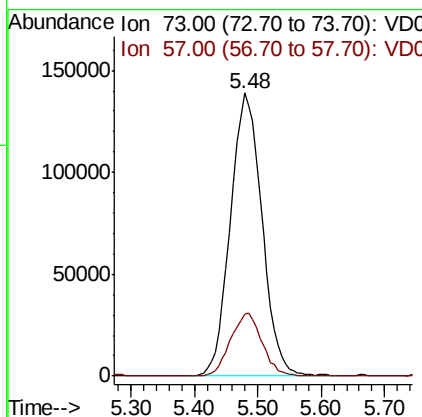
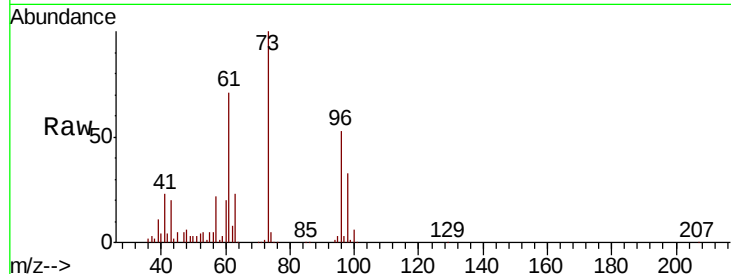




#19
Methyl tert-butyl Ether
Concen: 47.976 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

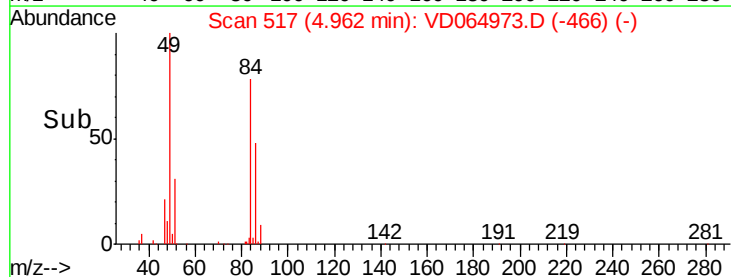
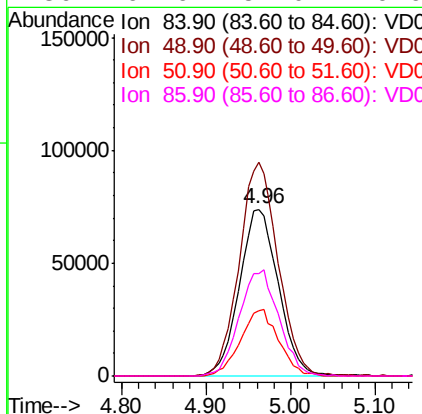
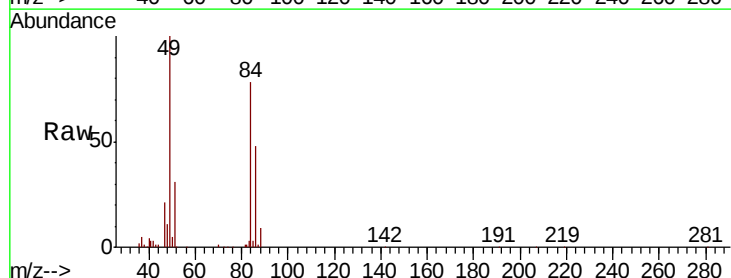
Instrument :
MSVOA_D
ClientSampled :

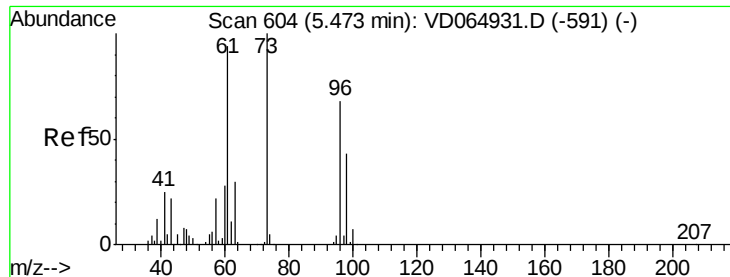
Tot Ion: 73 Resp: 479025
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 49.211 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 84 Resp: 236125
Ion Ratio Lower Upper
84 100
49 128.3 98.4 147.6
51 39.2 30.8 46.2
86 61.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 50.944 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampled :

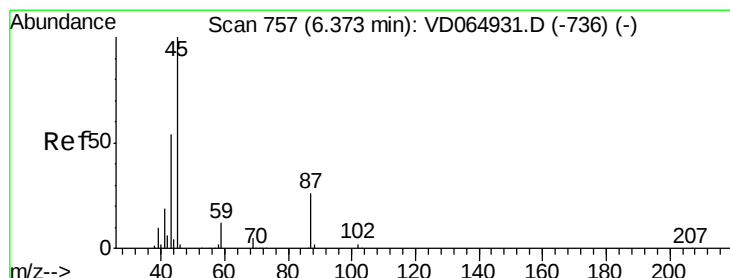
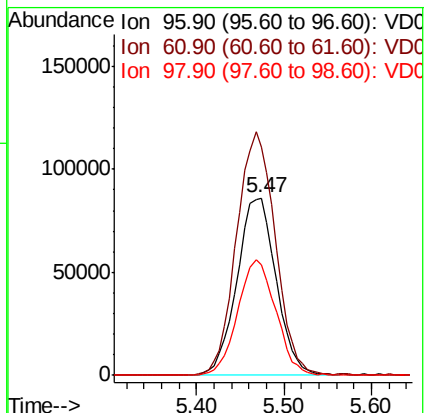
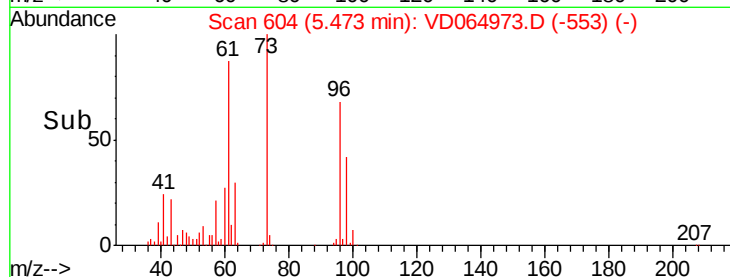
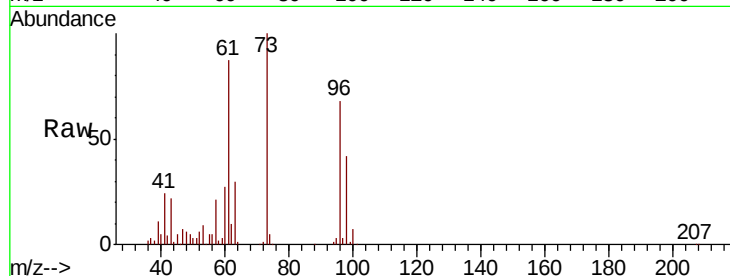
Tot Ion: 96 Resp: 262281

Ion Ratio Lower Upper

96 100

61 128.2 110.4 165.6

98 62.5 50.5 75.7



#22

Diisopropyl ether

Concen: 50.126 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Tgt Ion: 45 Resp: 711976

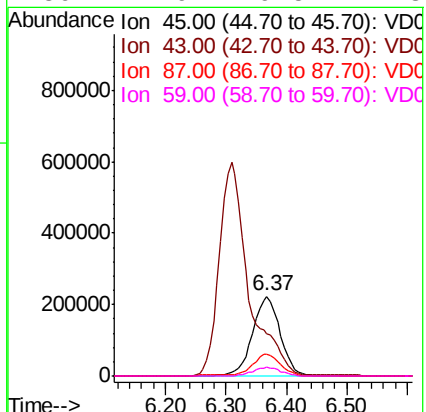
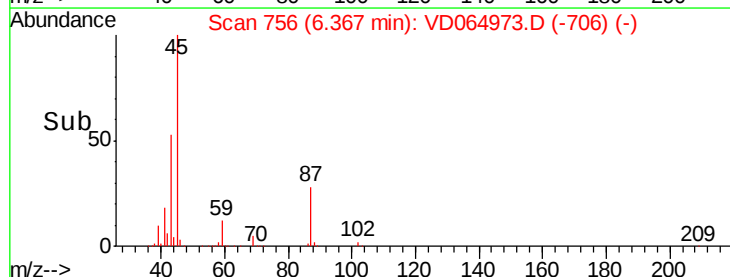
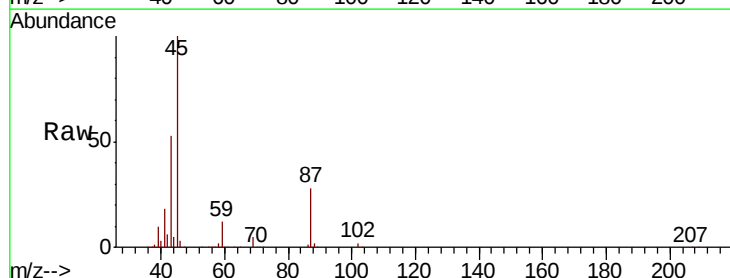
Ion Ratio Lower Upper

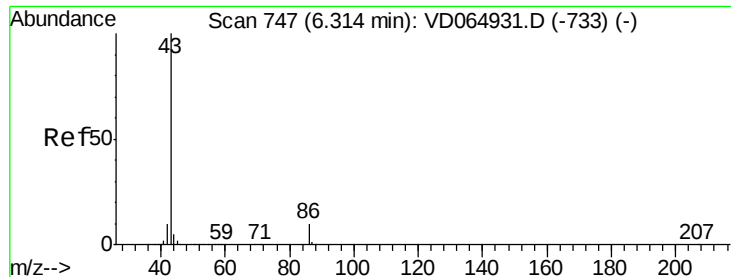
45 100

43 53.2 43.1 64.7

87 27.9 21.4 32.2

59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 243.629 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

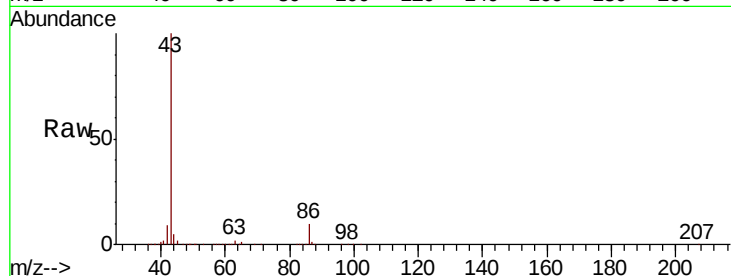
ClientSampleId :

Tot Ion: 43 Resp: 2026030

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

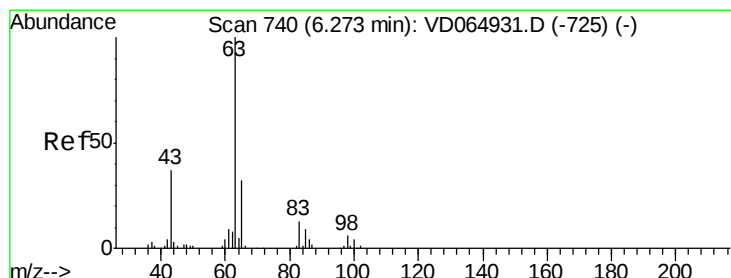
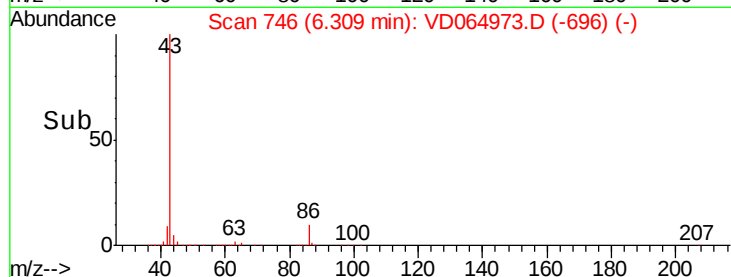
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.225 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

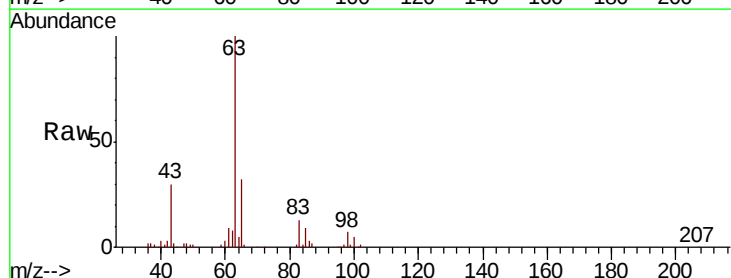
Tgt Ion: 63 Resp: 438000

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.7 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

6.27

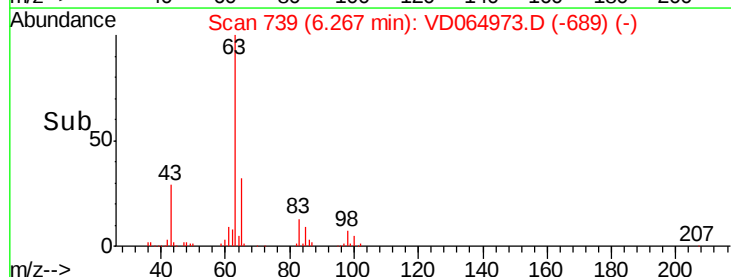
150000

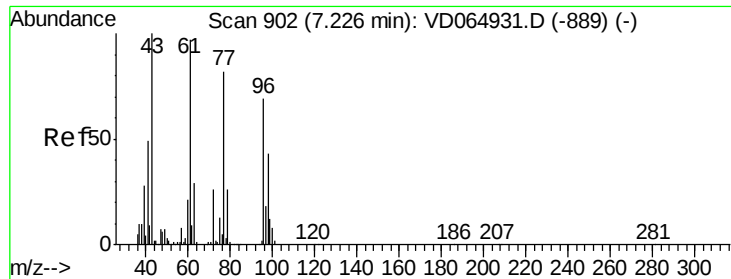
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 226.912 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

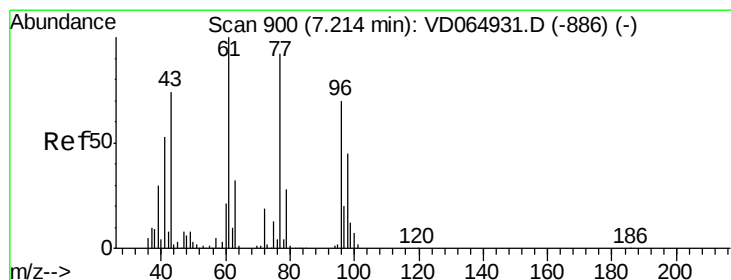
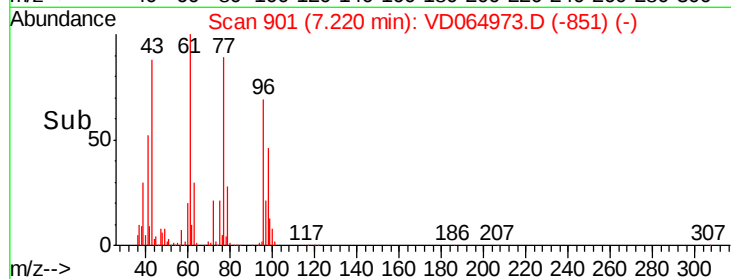
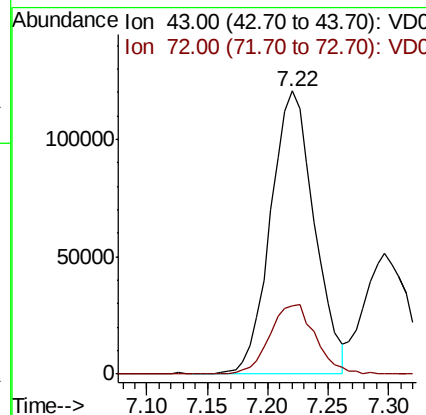
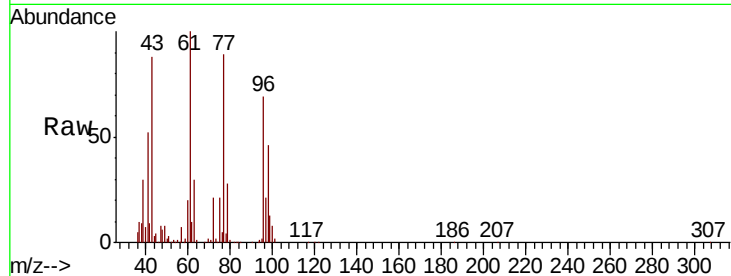
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 301870

Ion Ratio Lower Upper

43 100

72 24.3 20.6 31.0



#26

2,2-Dichloropropane

Concen: 53.192 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064973.D

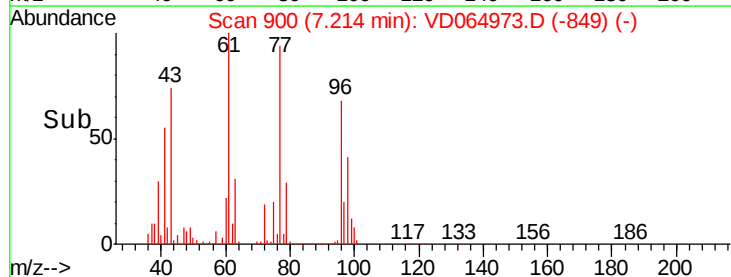
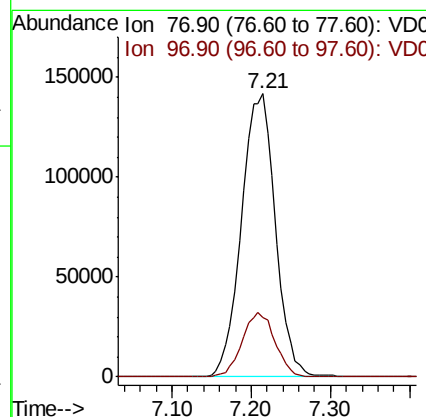
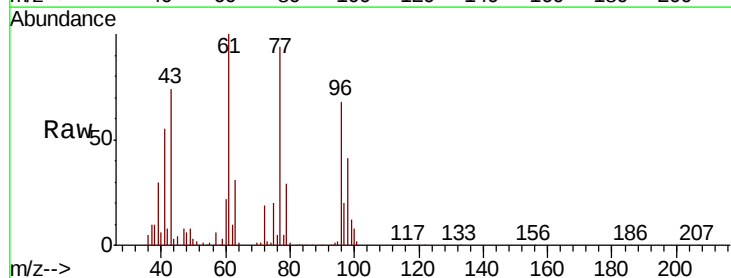
Acq: 28 Jan 2020 10:50

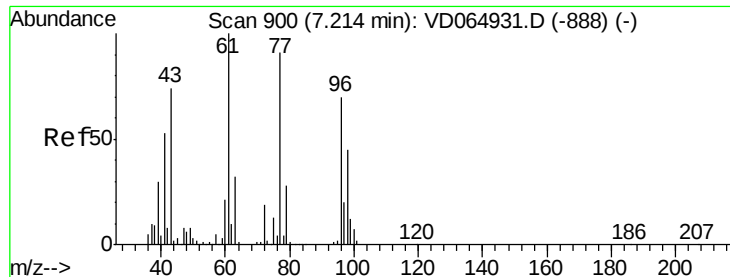
Tgt Ion: 77 Resp: 420758

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.2



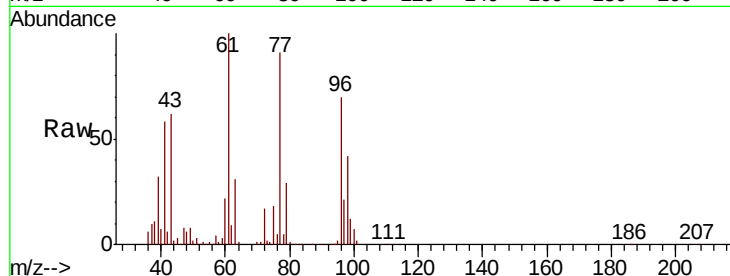


#27

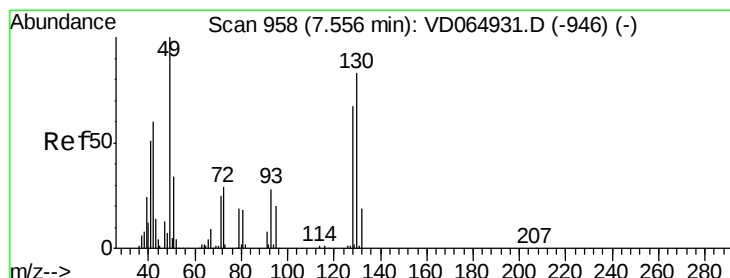
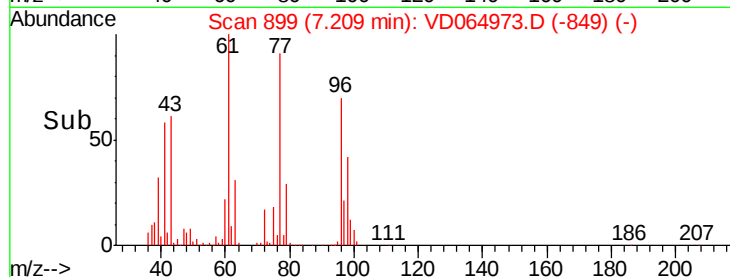
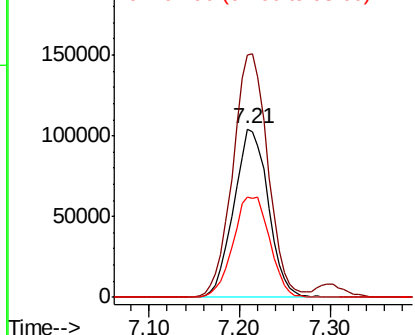
cis-1,2-Dichloroethene
 Concen: 50.381 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	292.8
98	63.2	0.0	130.0



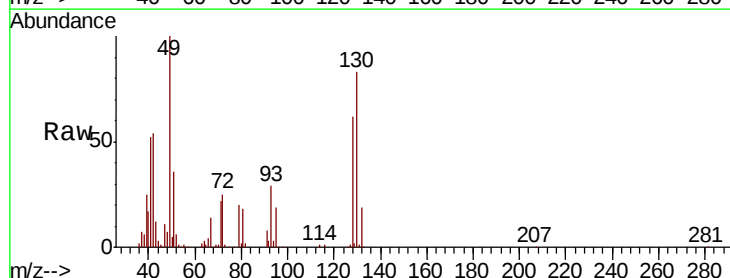
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



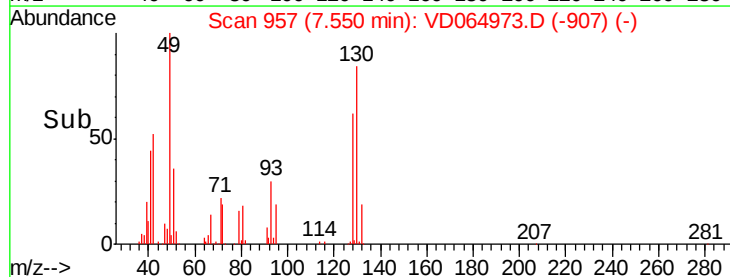
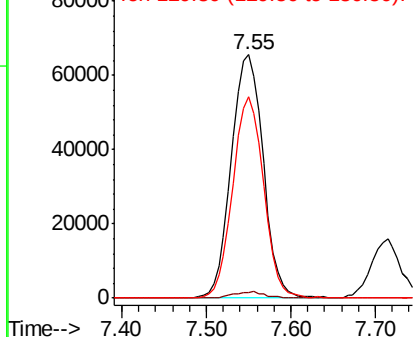
#28

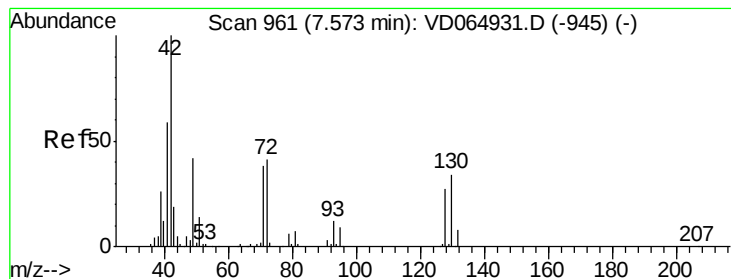
Bromochloromethane
 Concen: 49.275 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.8	63.8	95.8



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





#29

Tetrahydrofuran

Concen: 218.465 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

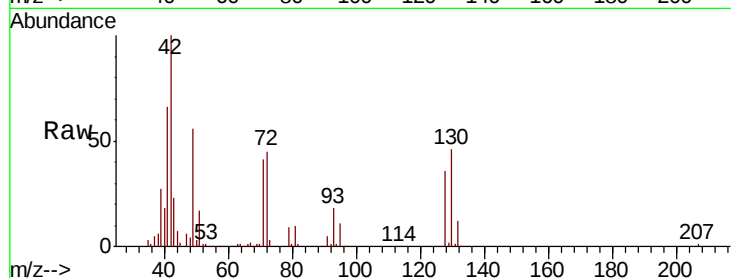
Tot Ion: 42 Resp: 179321

Ion Ratio Lower Upper

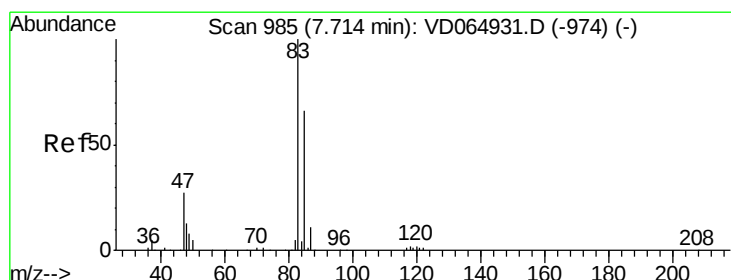
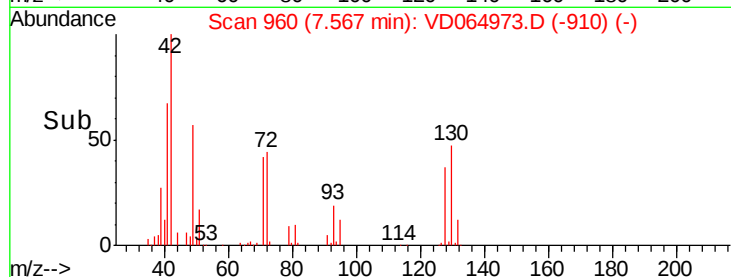
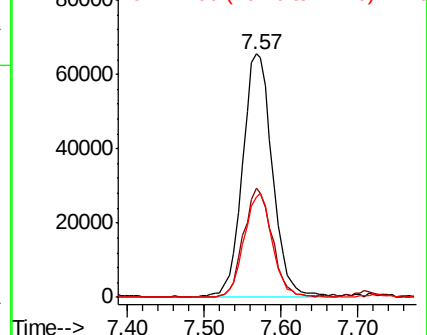
42 100

72 42.6 34.0 51.0

71 40.3 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: 49.415 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064973.D

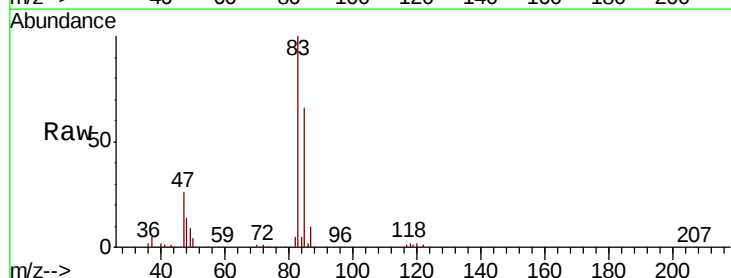
Acq: 28 Jan 2020 10:50

Tgt Ion: 83 Resp: 445471

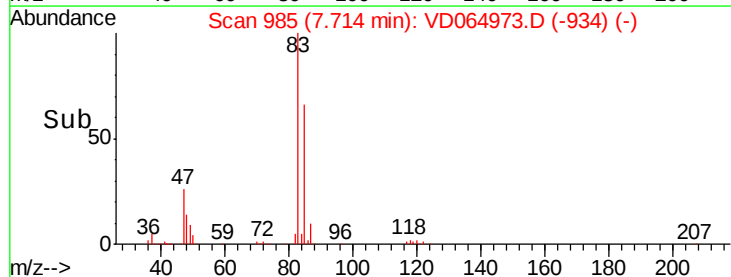
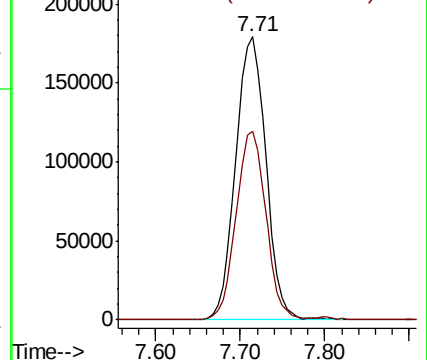
Ion Ratio Lower Upper

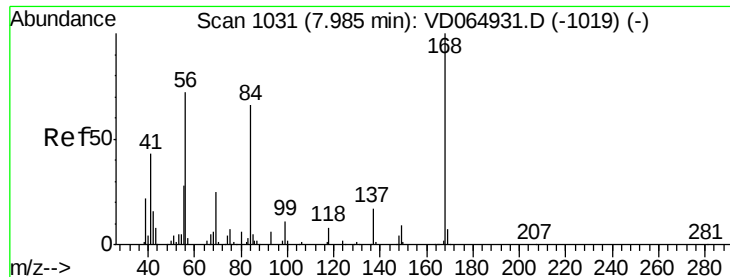
83 100

85 66.5 52.4 78.6



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

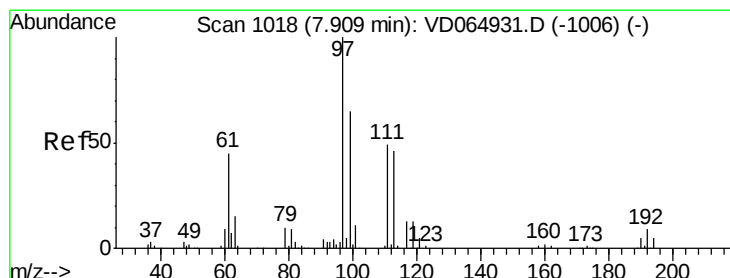
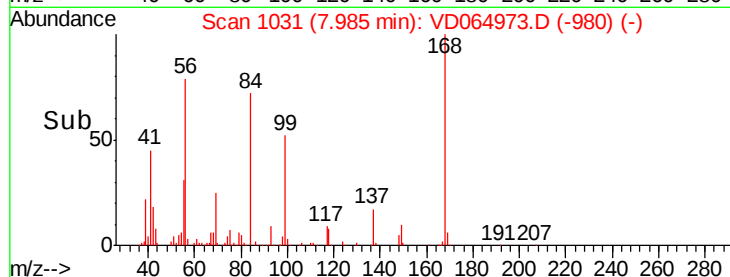
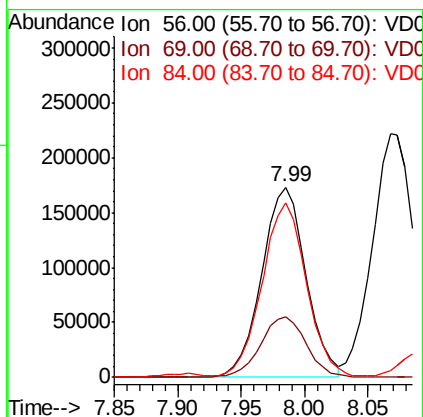
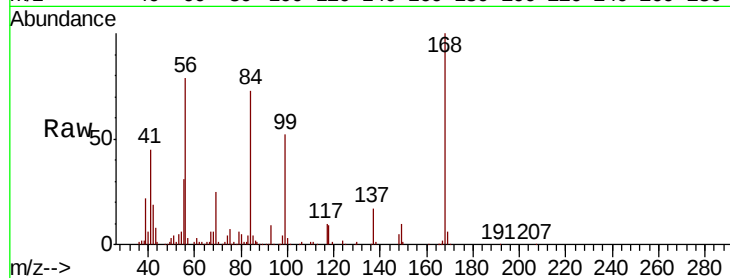




#31
Cyclohexane
Concen: 48.928 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

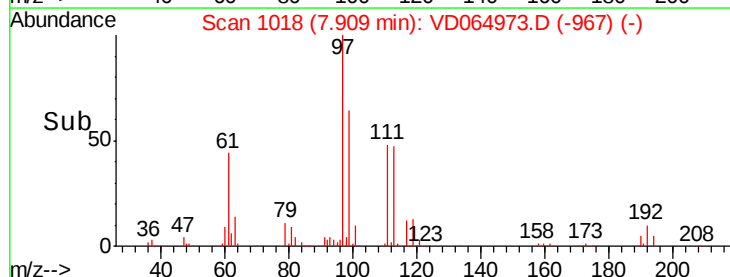
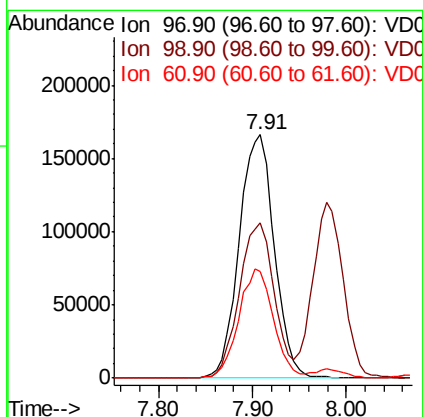
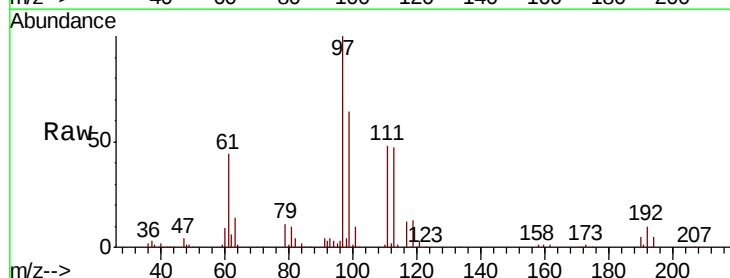
Instrument :
MSVOA_D
ClientSampled :

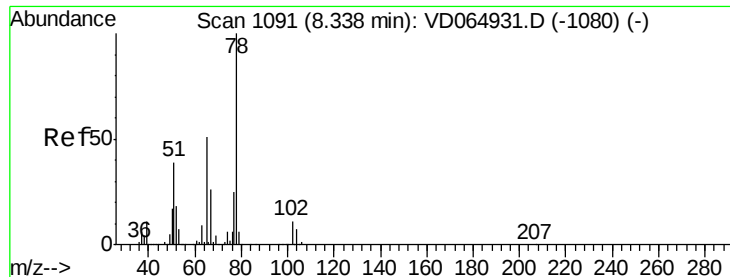
Tot Ion: 56 Resp: 419754
Ion Ratio Lower Upper
56 100
69 32.2 27.9 41.9
84 89.7 72.8 109.2



#32
1,1,1-Trichloroethane
Concen: 51.208 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 97 Resp: 429455
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 44.3 35.7 53.5

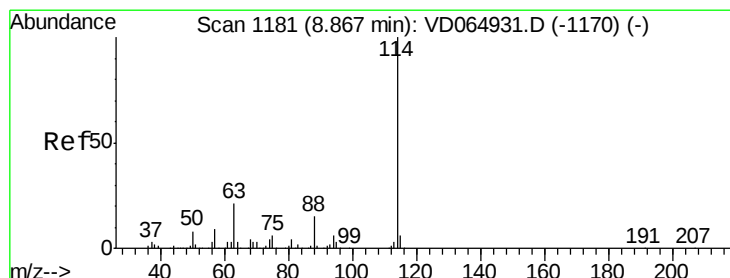
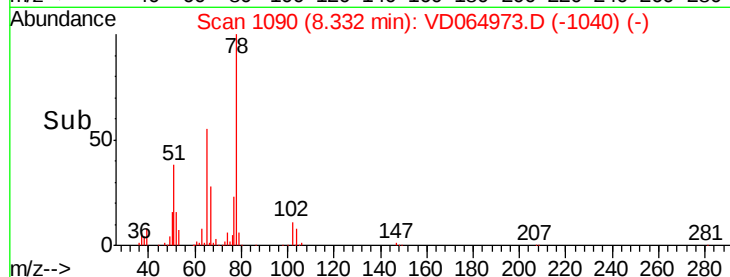
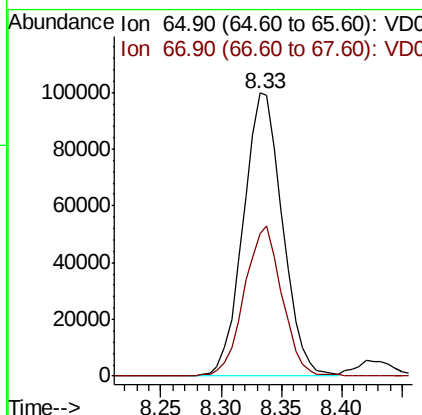
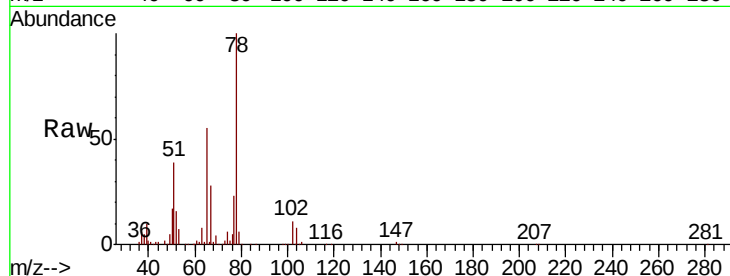




#33
 1,2-Dichloroethane-d4
 Concen: 45.816 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

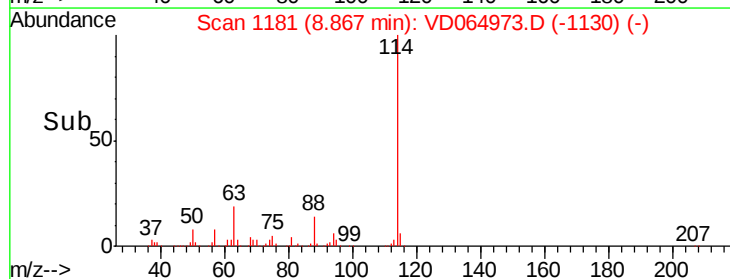
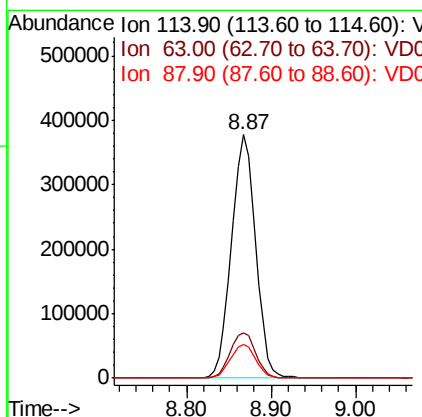
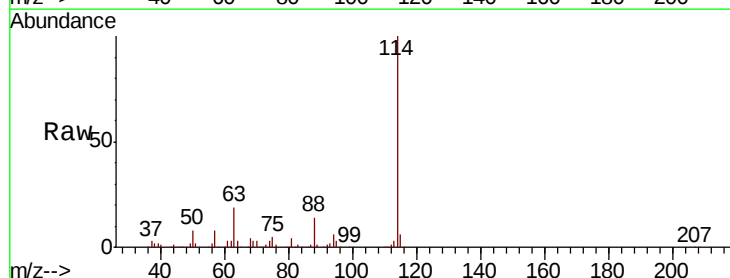
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 225606
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion: 114 Resp: 740727
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.0
 88 13.6 0.0 29.4

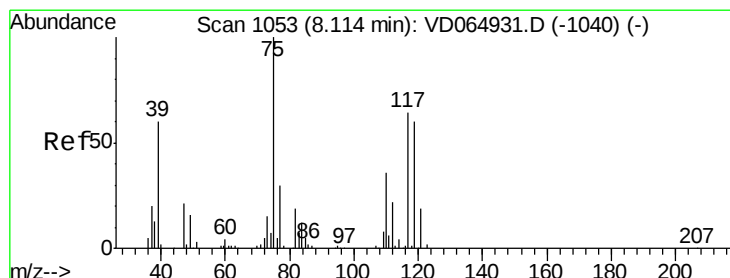
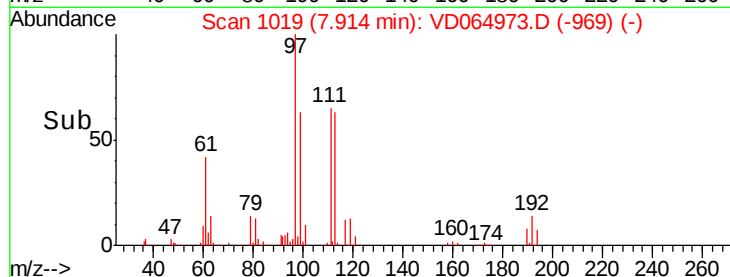
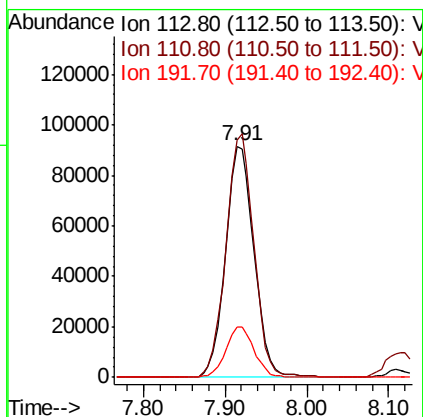
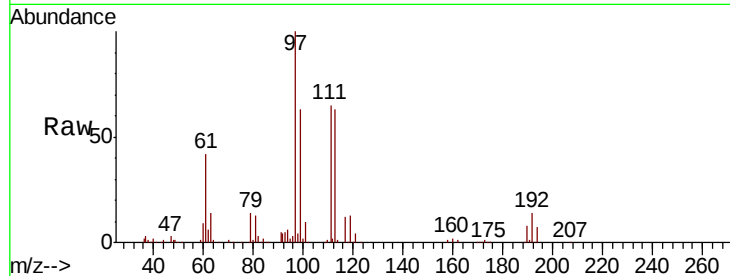




#35
 Dibromofluoromethane
 Concen: 47.675 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

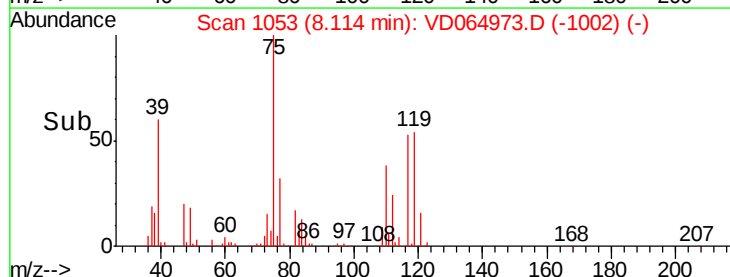
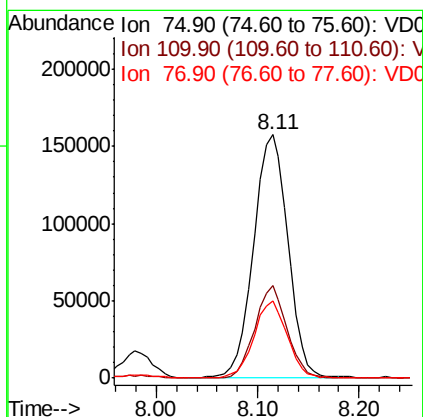
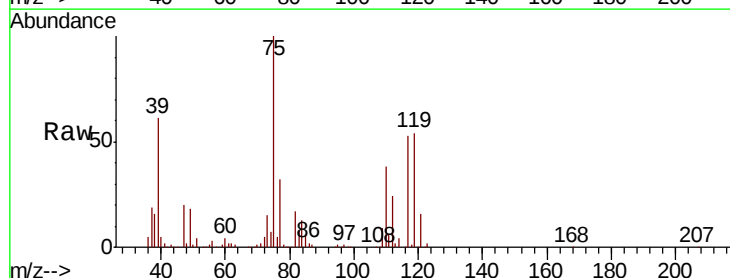
Instrument :
 MSVOA_D
 ClientSampleId :

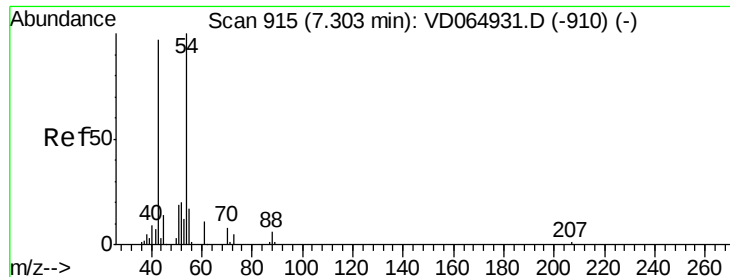
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	21.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 51.780 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	31.0	24.7	37.1

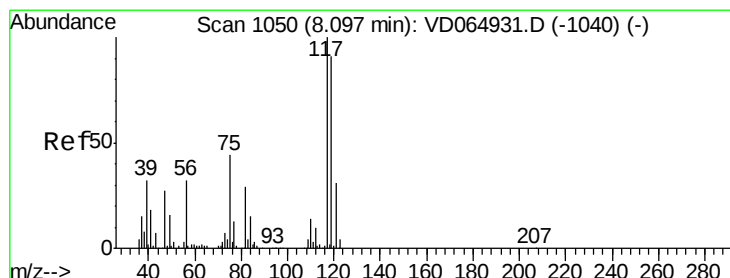
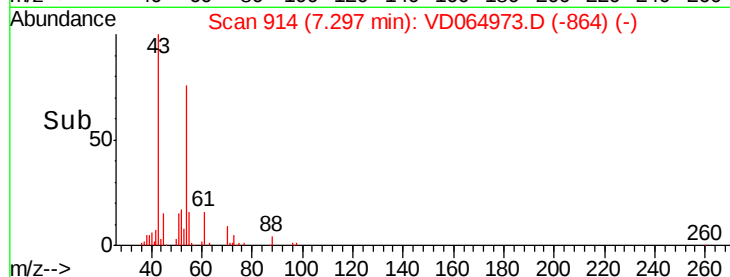
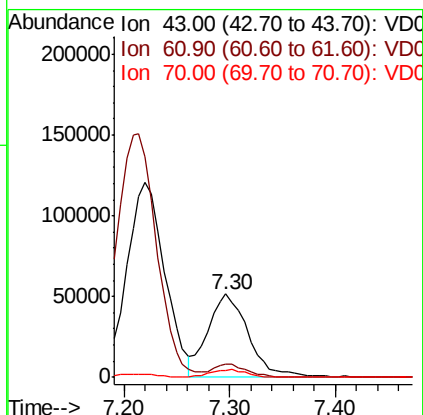
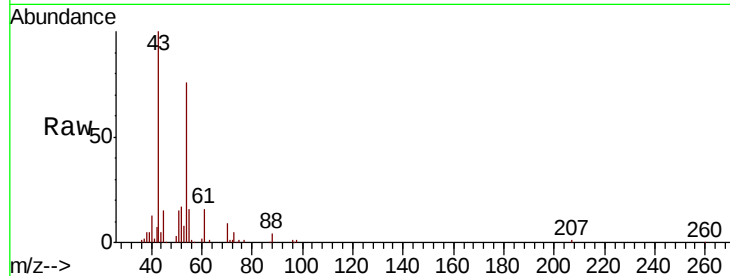




#37
Ethyl Acetate
Concen: 45.910 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

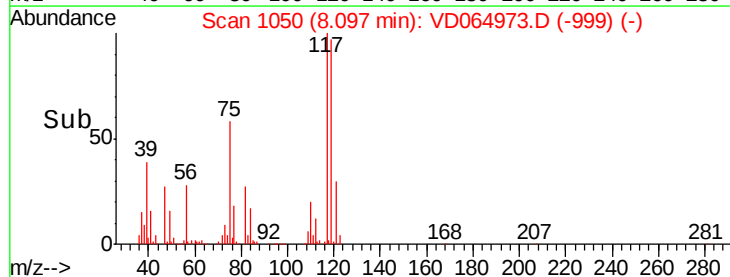
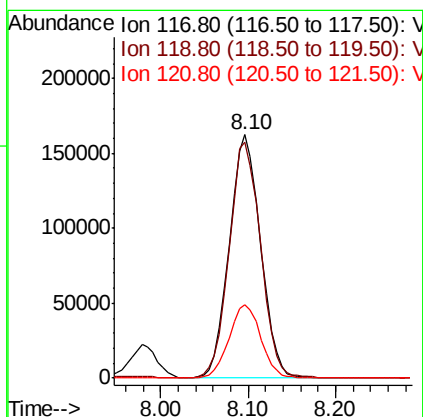
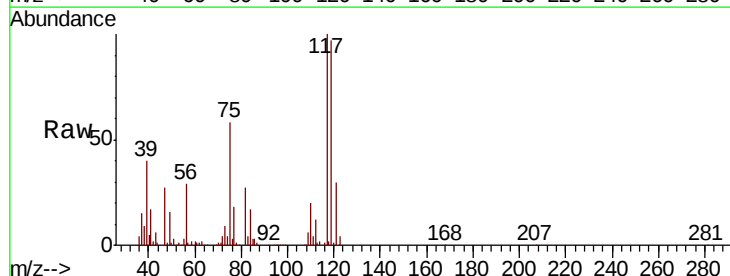
Instrument :
MSVOA_D
ClientSampled :

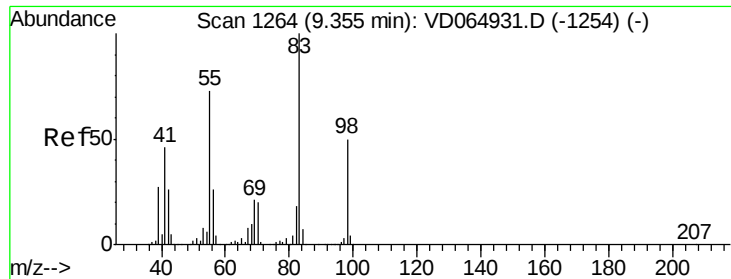
Tot Ion: 43 Resp: 135450
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 8.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 52.012 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 117 Resp: 392664
Ion Ratio Lower Upper
117 100
119 97.2 73.2 109.8
121 30.4 24.4 36.6

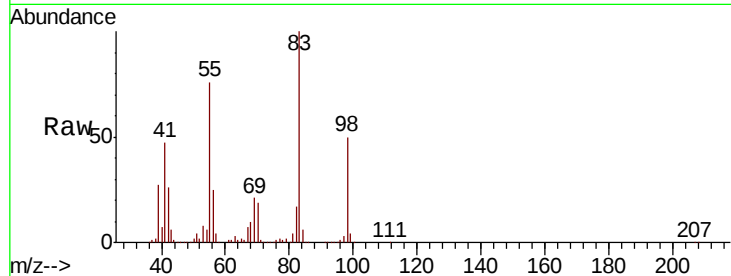




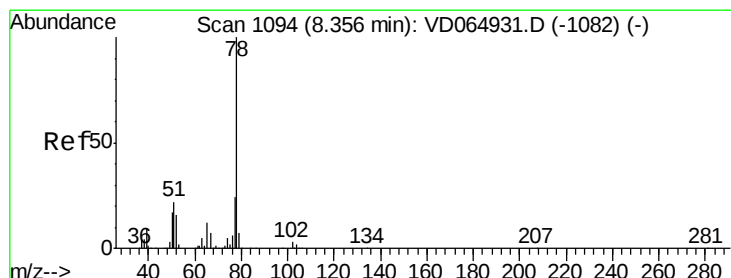
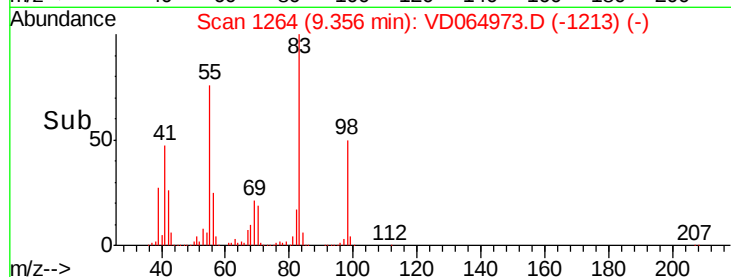
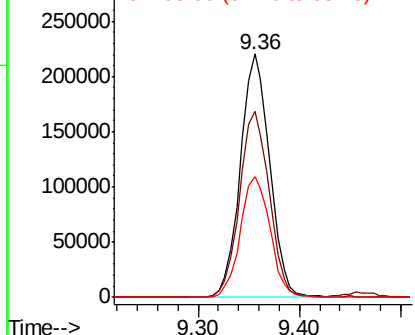
#39
Methvlcvclohexane
Concen: 53.233 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 444531
Ion Ratio Lower Upper
83 100
55 76.2 58.7 88.1
98 49.6 40.2 60.2

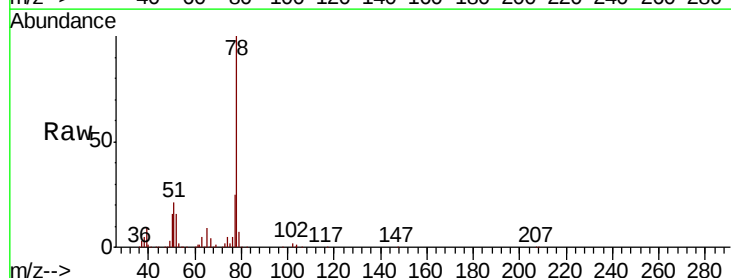


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

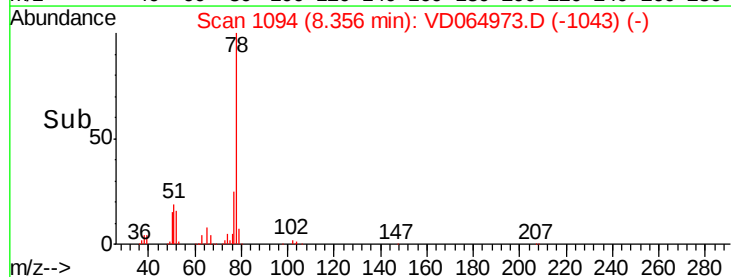
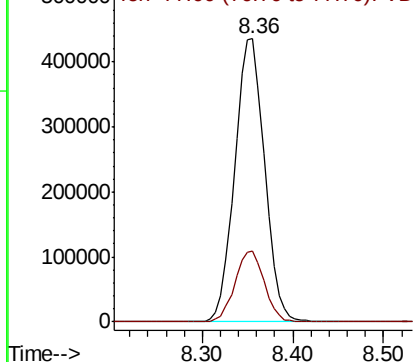


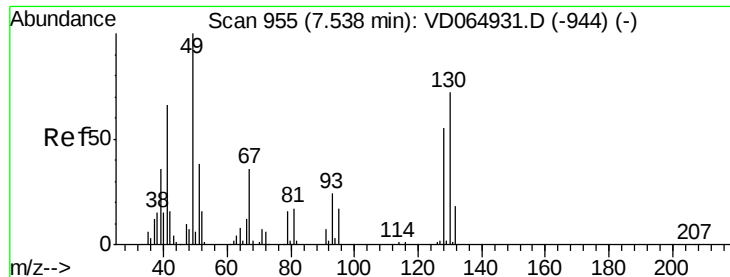
#40
Benzene
Concen: 50.832 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 78 Resp: 999976
Ion Ratio Lower Upper
78 100
77 25.2 19.2 28.8



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

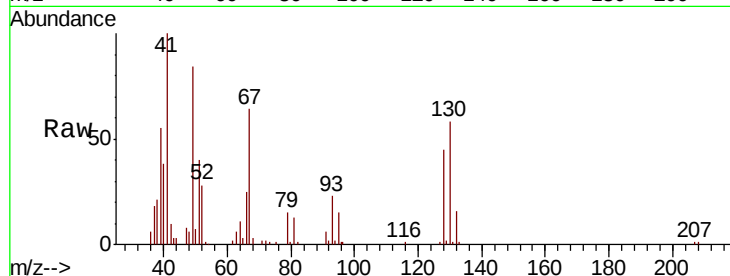




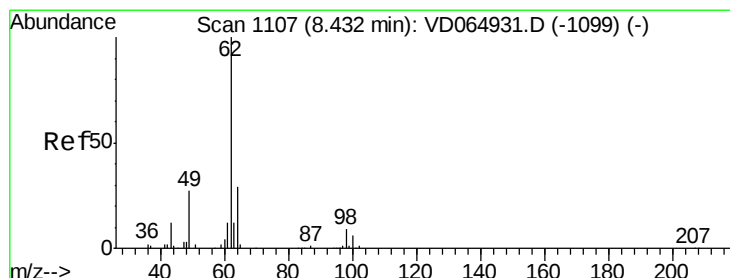
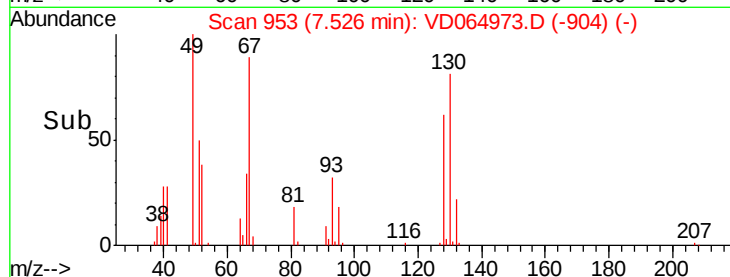
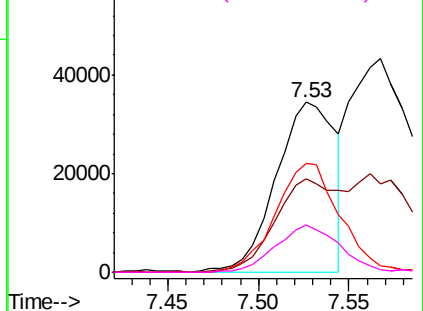
#41
Methacrylonitrile
Concen: 49.553 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 78757
Ion Ratio Lower Upper
41 100
39 63.4 49.3 73.9
67 69.5 51.0 76.6
52 30.4 22.3 33.5

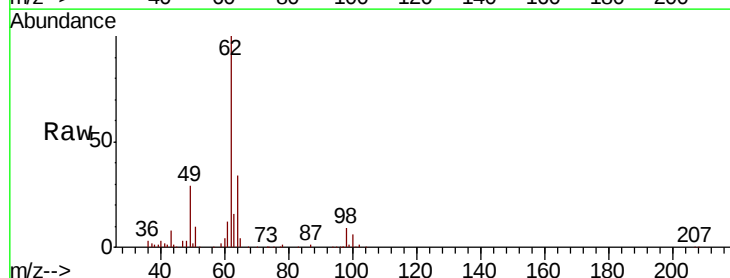


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

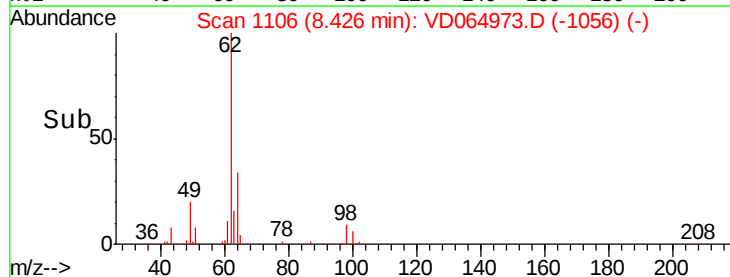
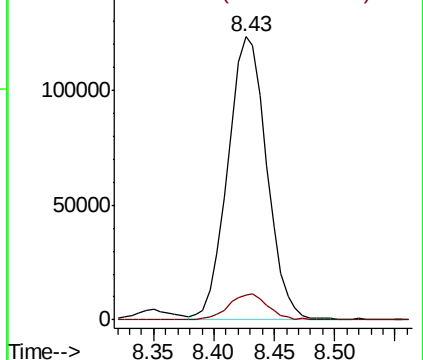


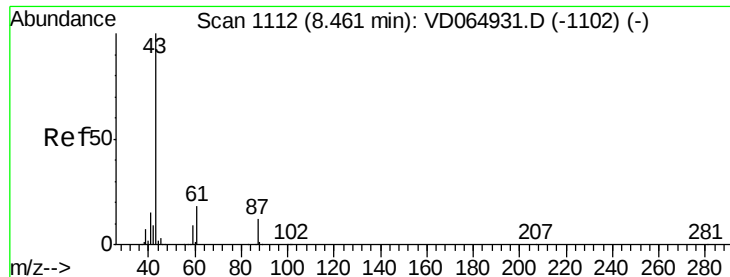
#42
1,2-Dichloroethane
Concen: 47.137 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 62 Resp: 276222
Ion Ratio Lower Upper
62 100
98 9.2 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: 46.012 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

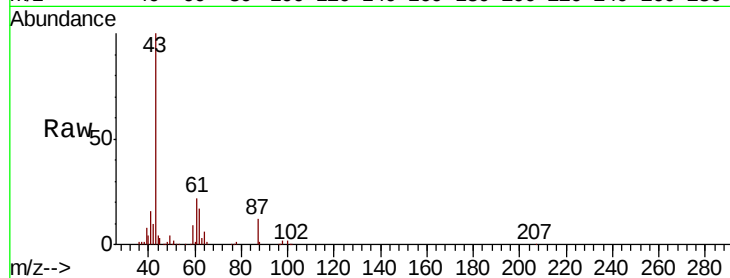
Tot Ion: 43 Resp: 257866

Ion Ratio Lower Upper

43 100

61 30.9 23.8 35.6

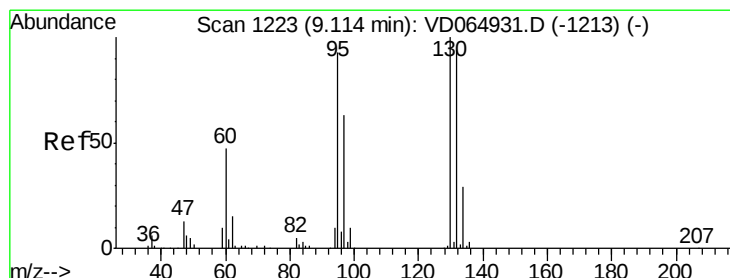
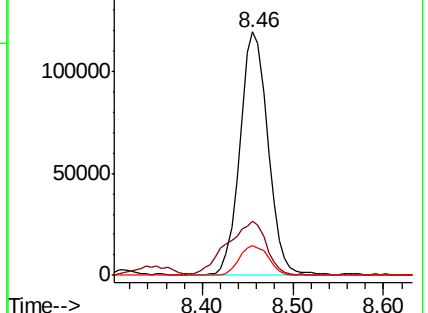
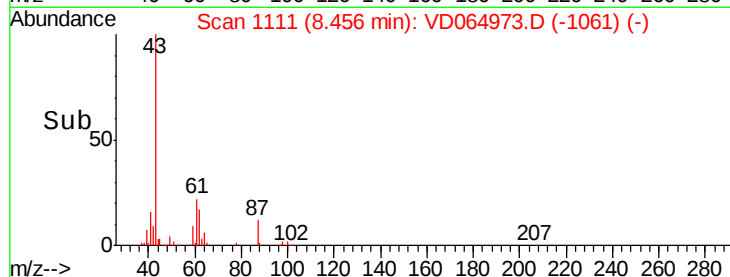
87 12.9 10.3 15.5



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: 51.525 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064973.D

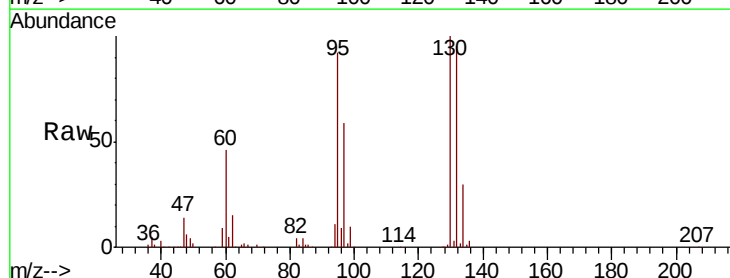
Acq: 28 Jan 2020 10:50

Tgt Ion:130 Resp: 283677

Ion Ratio Lower Upper

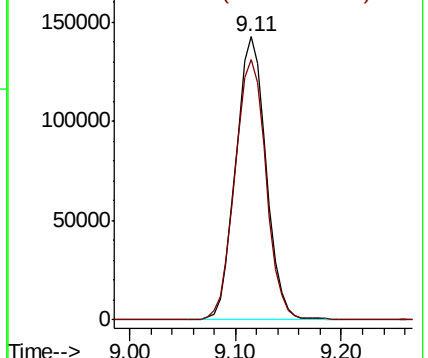
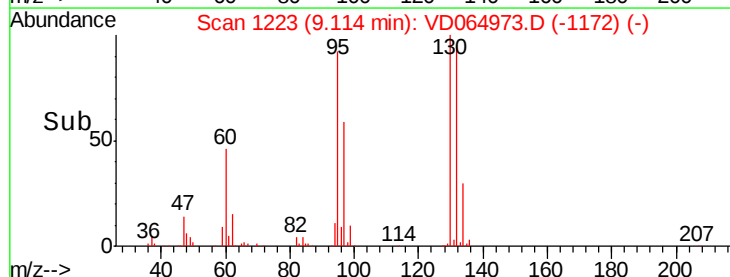
130 100

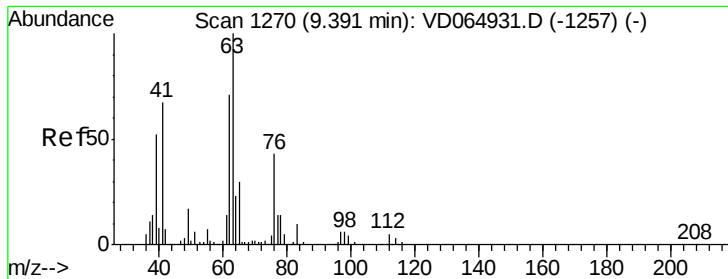
95 92.1 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.849 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

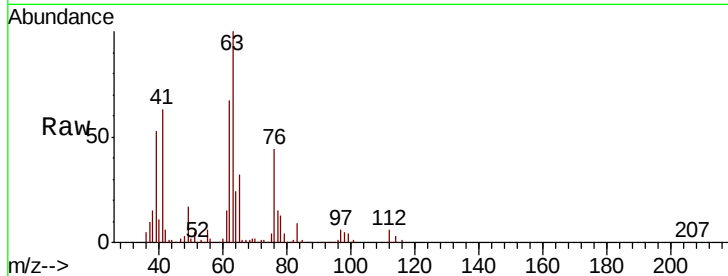
ClientSampleId :

Tot Ion: 63 Resp: 237728

Ion Ratio Lower Upper

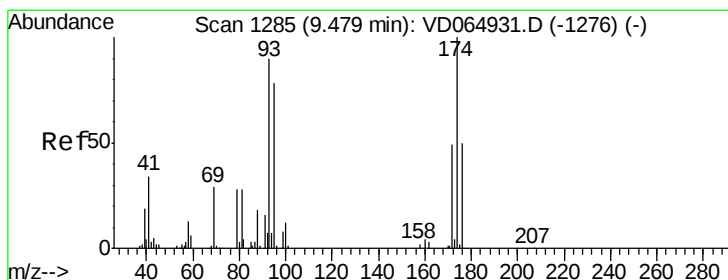
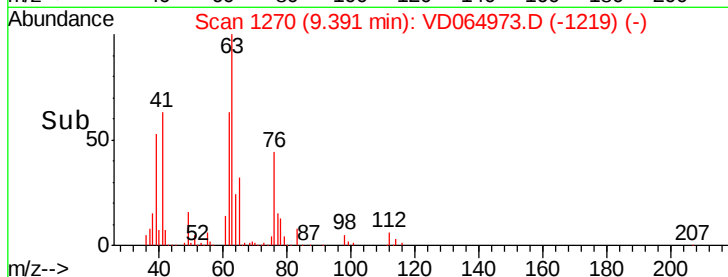
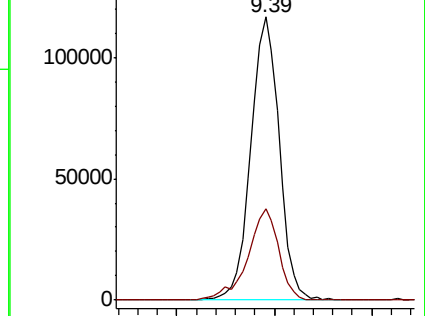
63 100

65 32.2 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: 47.096 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

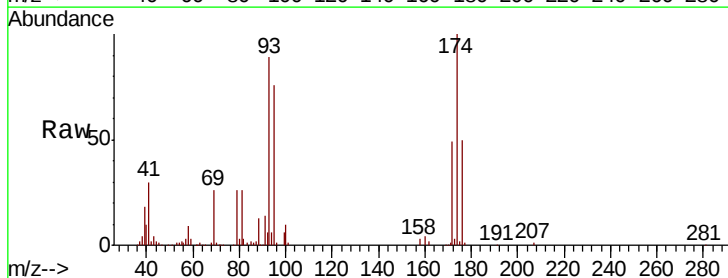
Tgt Ion: 93 Resp: 122620

Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

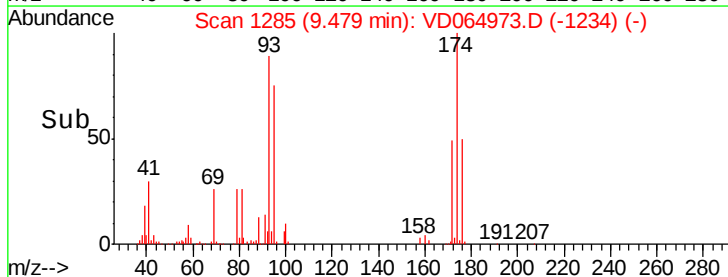
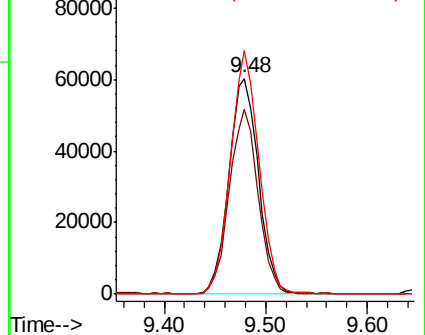
174 108.5 88.4 132.6

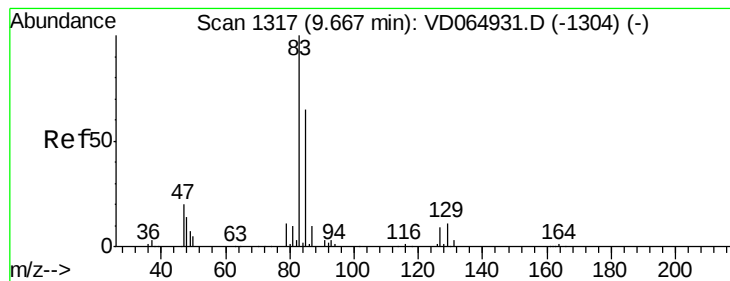


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.502 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampled :

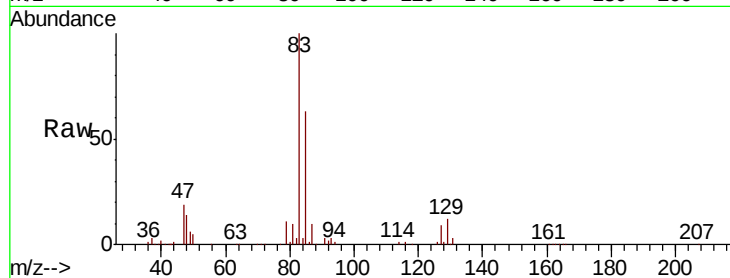
Tot Ion: 83 Resp: 335371

Ion Ratio Lower Upper

83 100

85 62.8 52.0 78.0

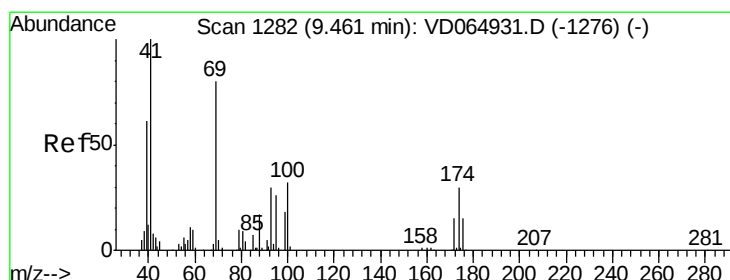
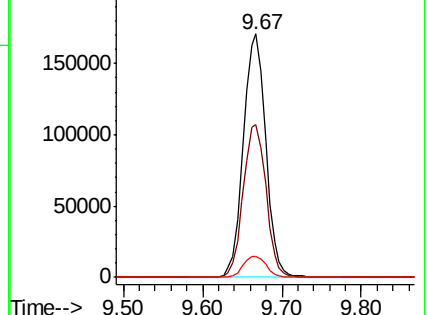
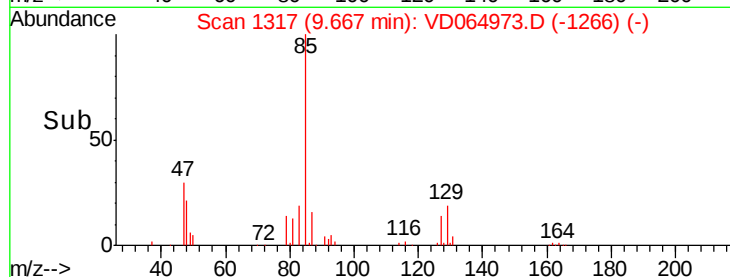
127 8.6 7.3 10.9



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: 46.347 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

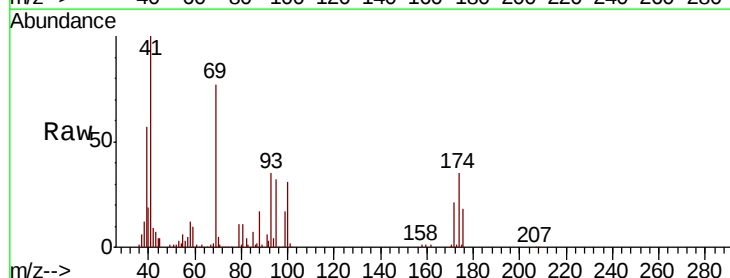
Tgt Ion: 41 Resp: 119529

Ion Ratio Lower Upper

41 100

69 87.8 65.8 98.8

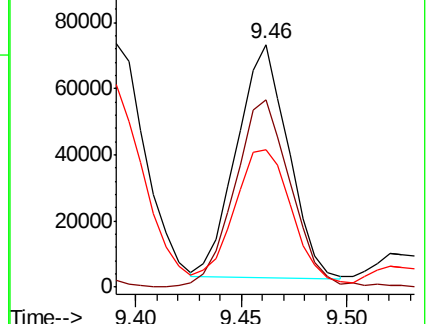
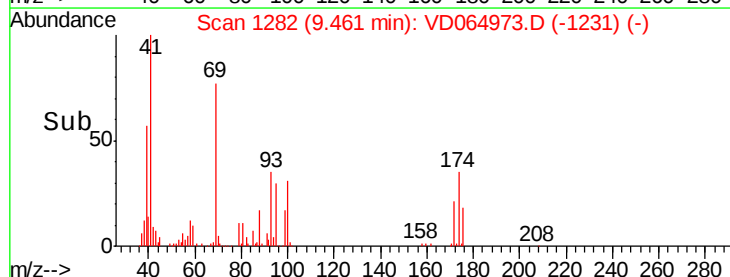
39 62.4 49.4 74.0

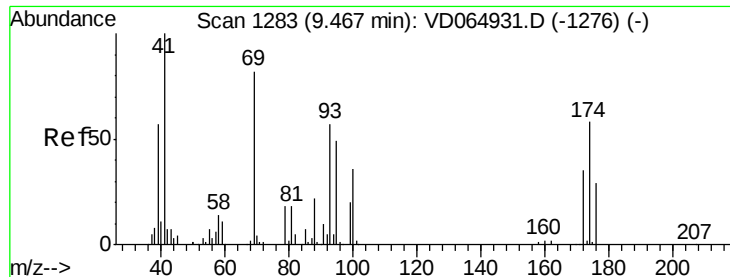


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

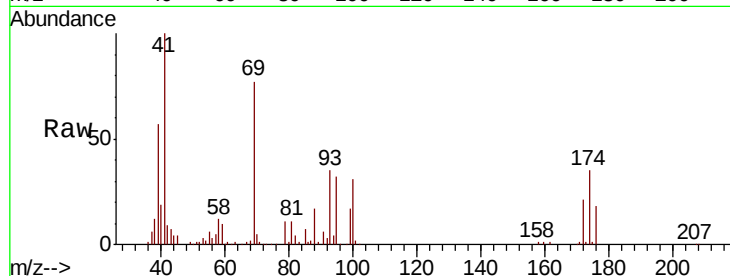




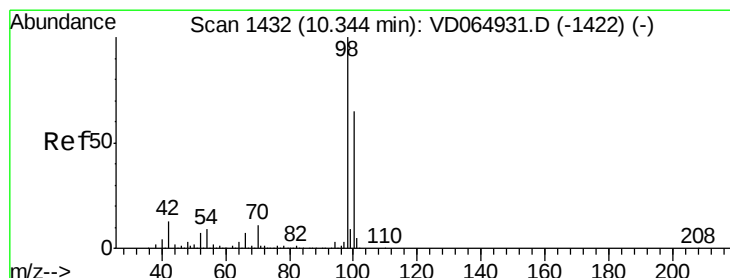
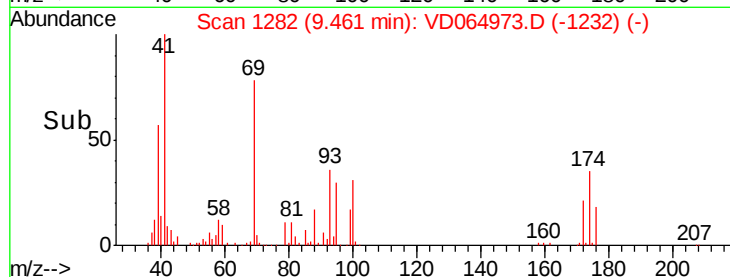
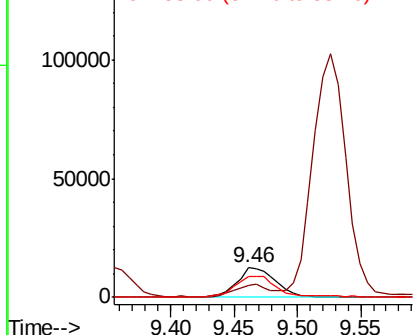
#49
1,4-Dioxane
Concen: 890.862 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 26901
Ion Ratio Lower Upper
88 100
43 32.8 26.2 39.4
58 78.4 50.3 75.5#

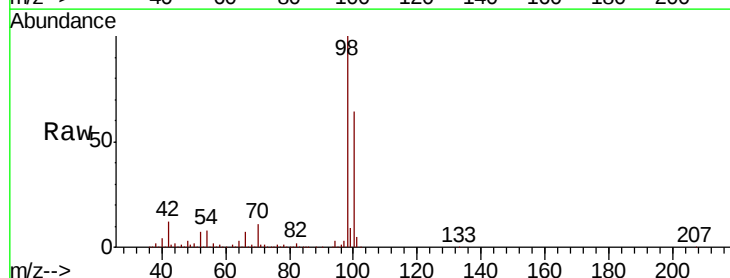


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

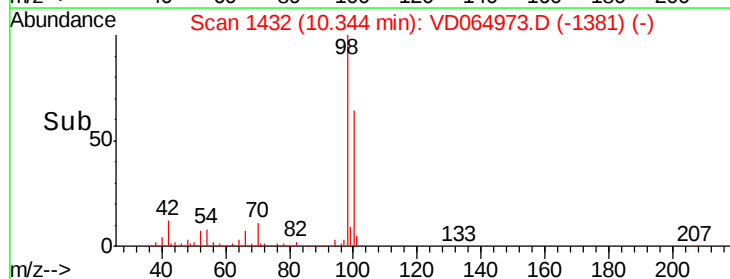
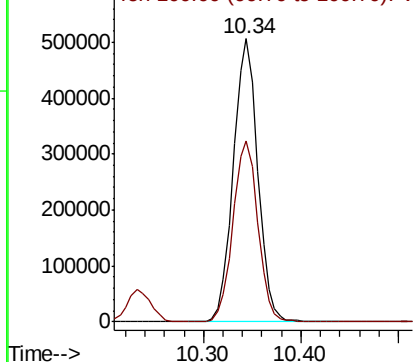


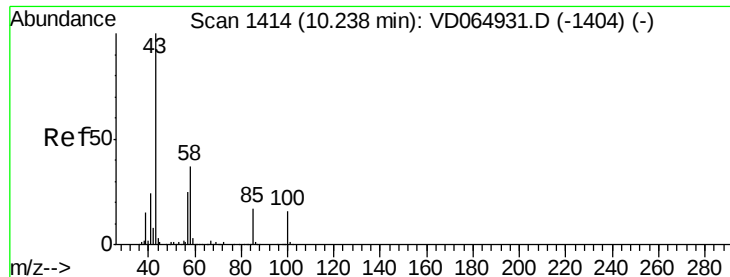
#50
Toluene-d8
Concen: 49.166 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 98 Resp: 883320
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



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

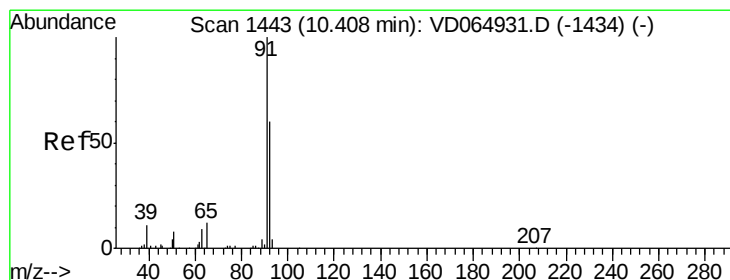
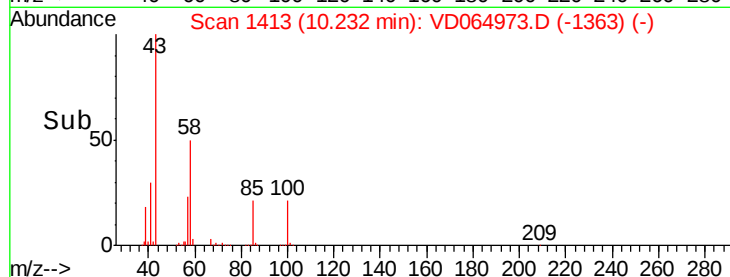
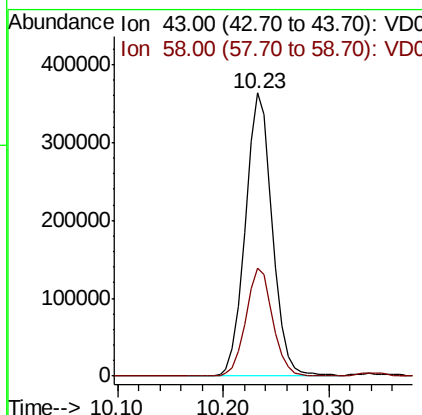
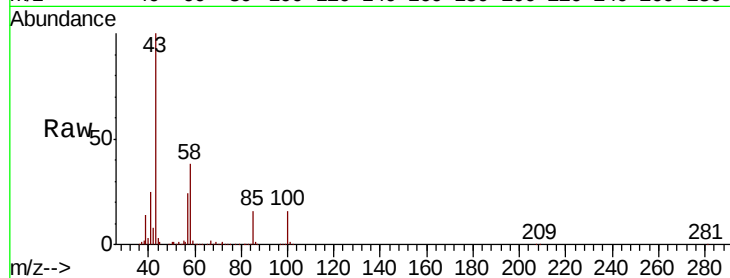




#51
 4-Methyl-2-Pentanone
 Concen: 230.318 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

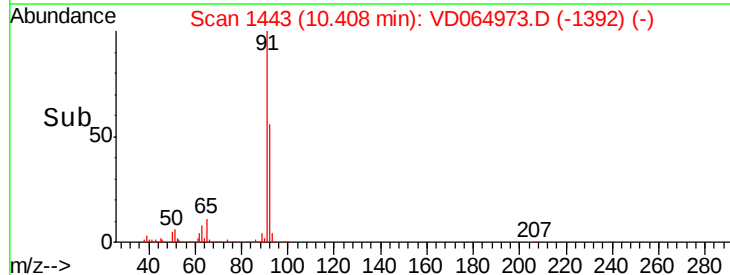
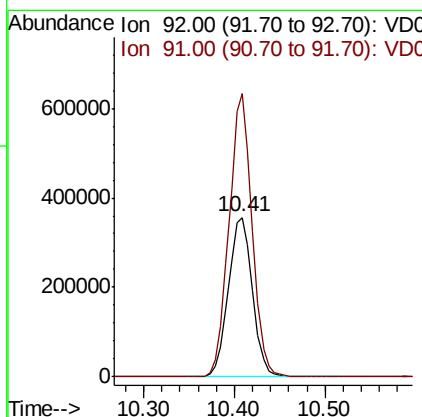
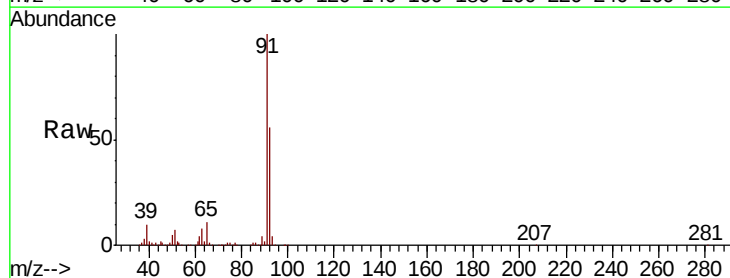
Instrument :
 MSVOA_D
 ClientSampled :

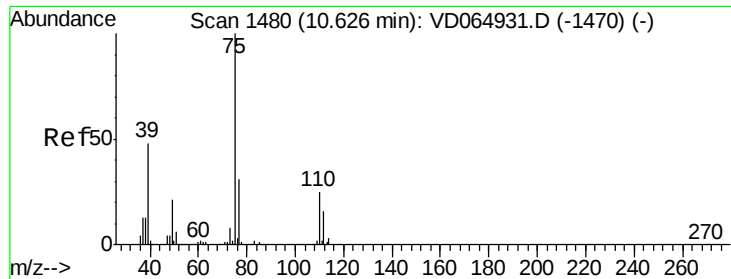
Tot Ion: 43 Resp: 645852
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6



#52
 Toluene
 Concen: 51.667 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion: 92 Resp: 655292
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 49.527 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

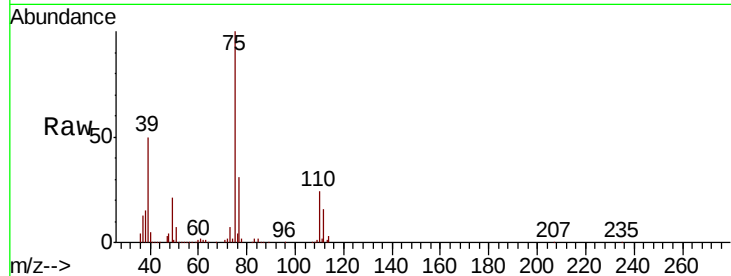
ClientSampleId :

Tot Ion: 75 Resp: 319620

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

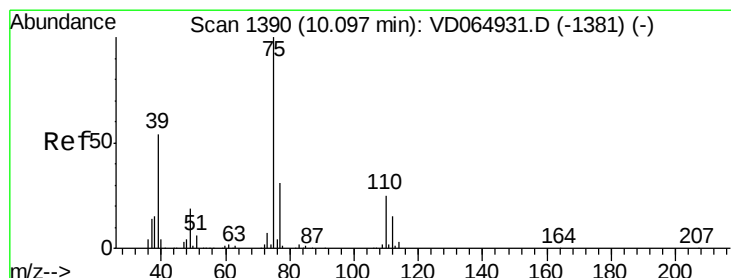
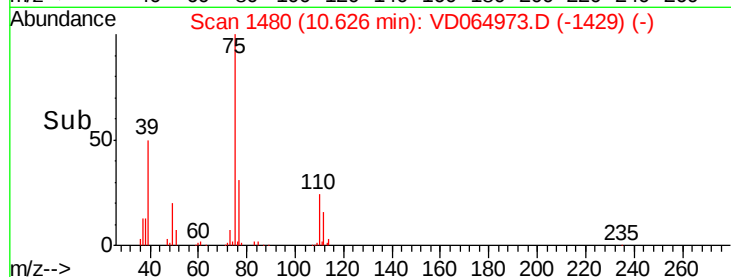
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.812 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

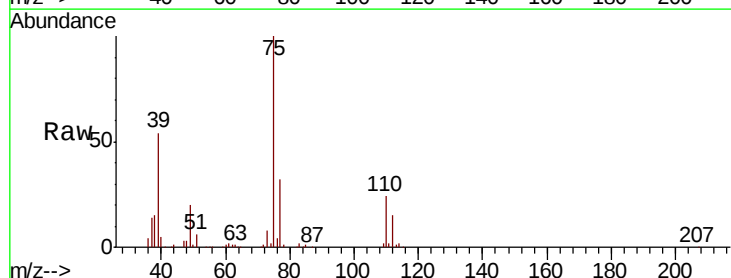
Tgt Ion: 75 Resp: 376372

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 54.0 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

10.09

250000

200000

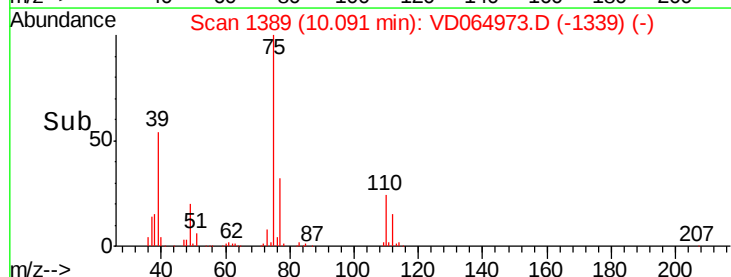
150000

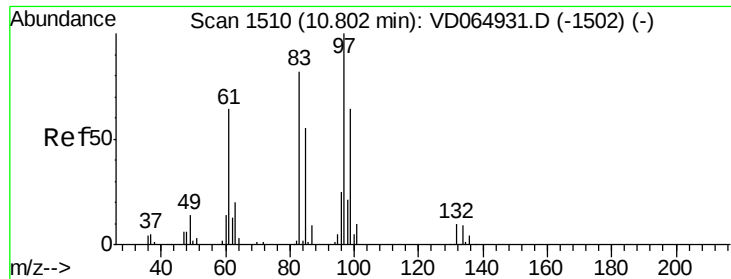
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.271 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 165784

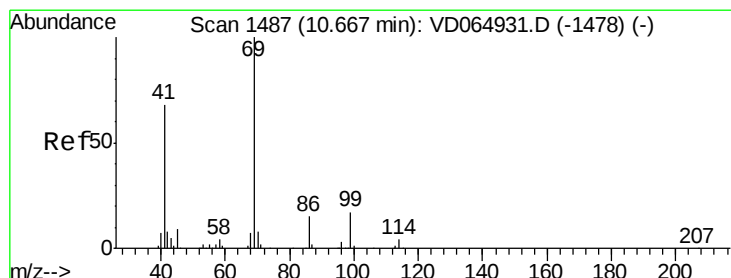
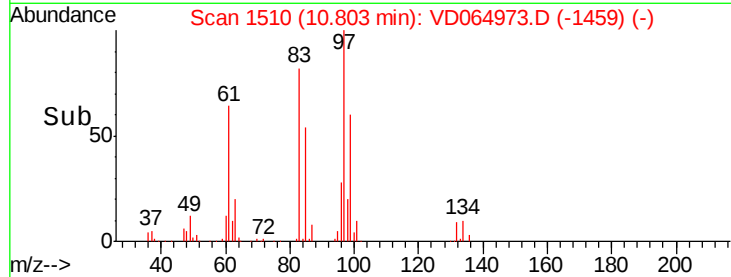
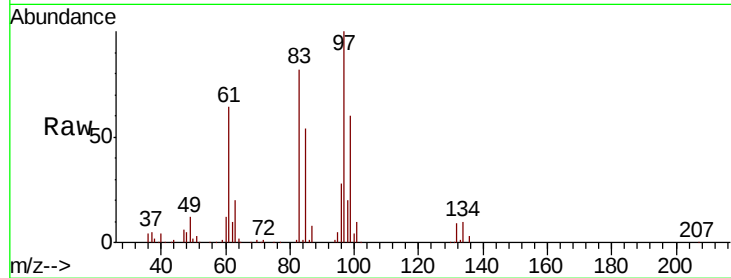
Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.0	99.0
85	53.8	44.4	66.6
99	59.9	51.4	77.0

Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.759 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

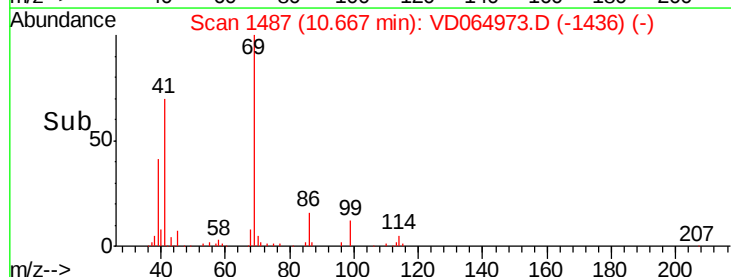
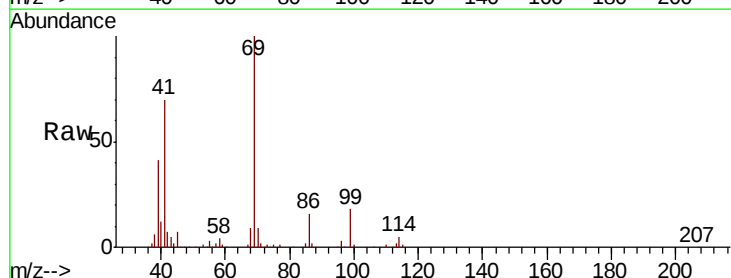
Tgt Ion: 69 Resp: 204492

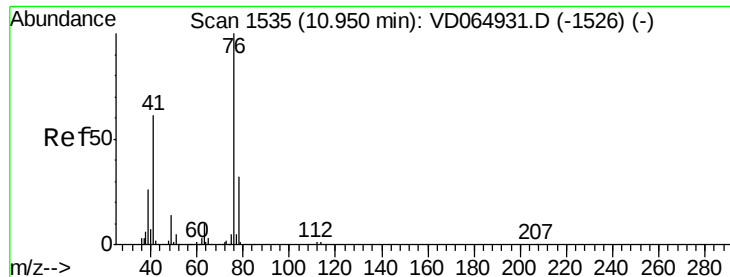
Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.4	84.6
39	38.8	30.6	46.0

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.033 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

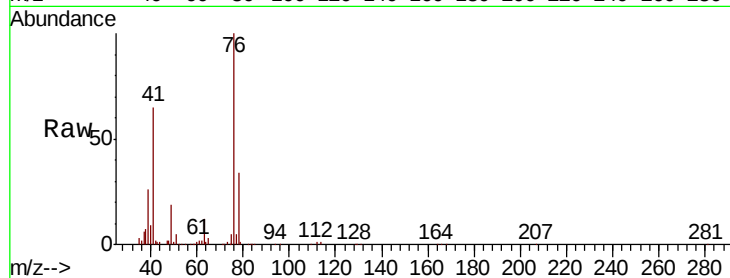
ClientSampleId :

Tot Ion: 76 Resp: 288932

Ion Ratio Lower Upper

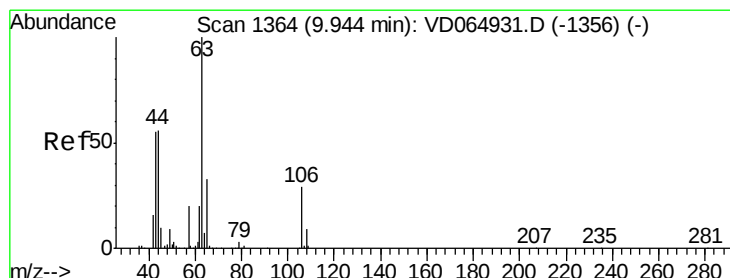
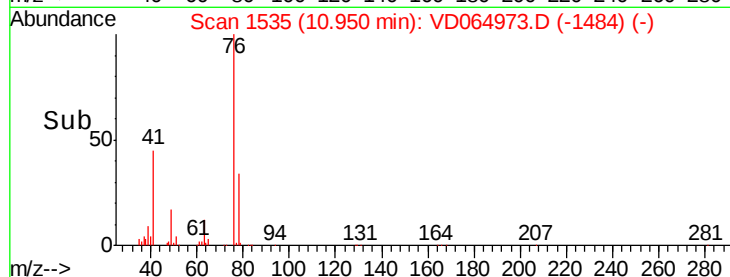
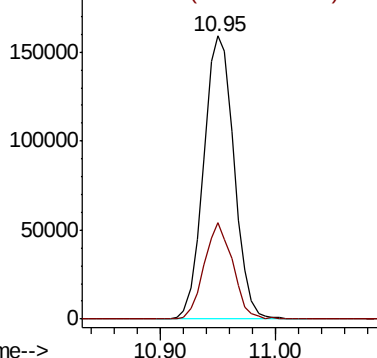
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 207.836 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064973.D

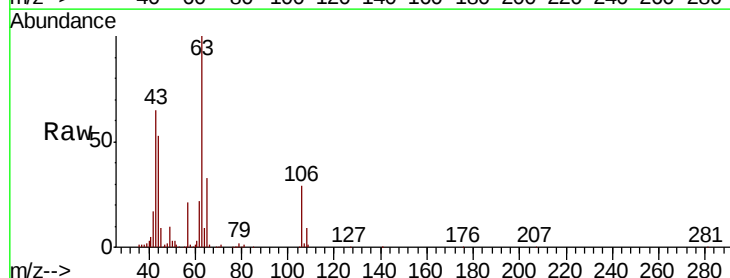
Acq: 28 Jan 2020 10:50

Tgt Ion: 63 Resp: 289580

Ion Ratio Lower Upper

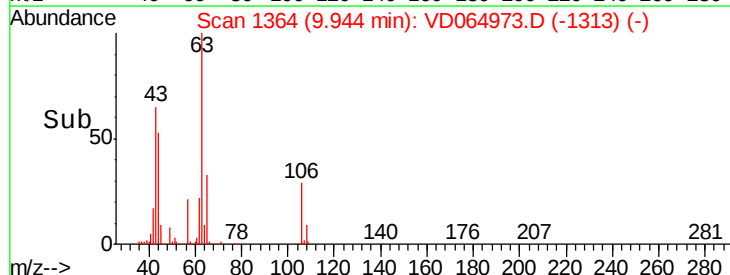
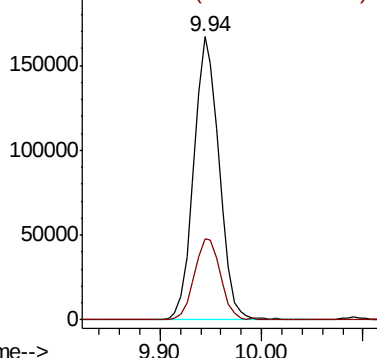
63 100

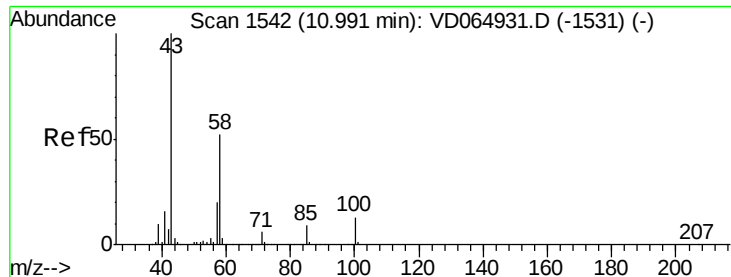
106 29.6 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

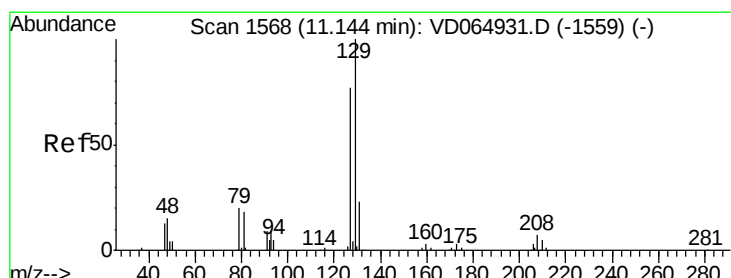
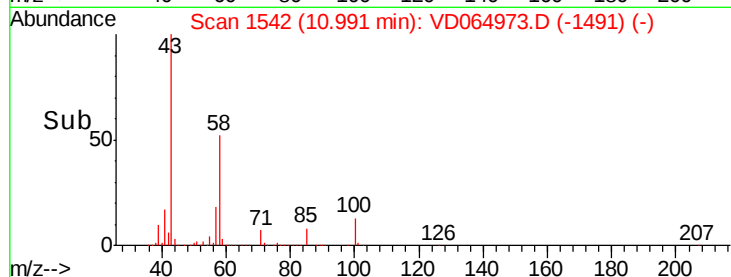
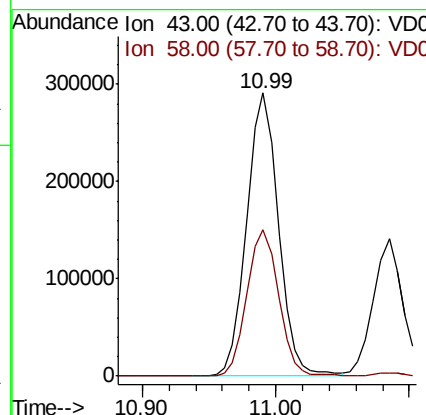
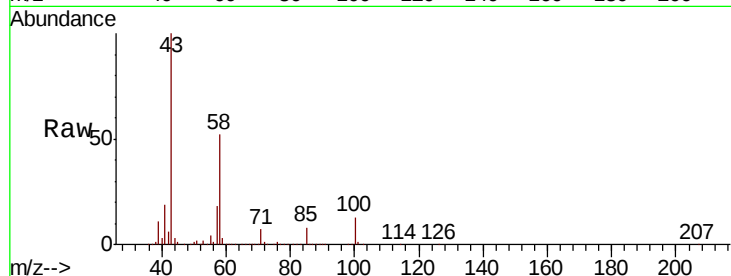




#59
2-Hexanone
Concen: 246.889 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

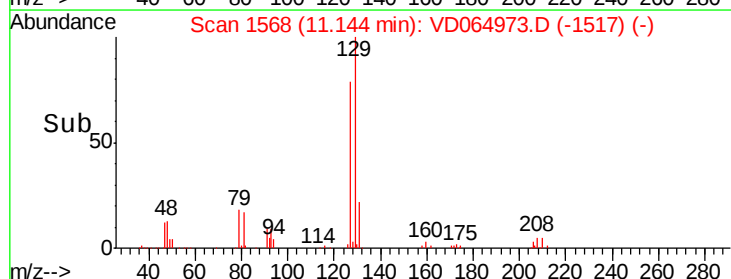
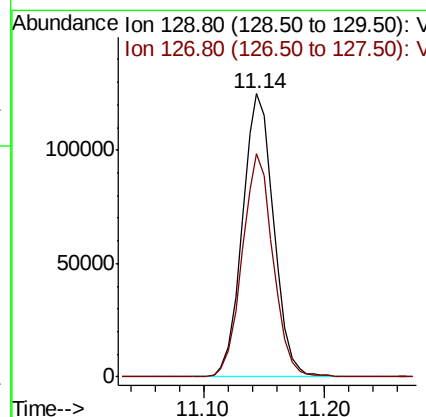
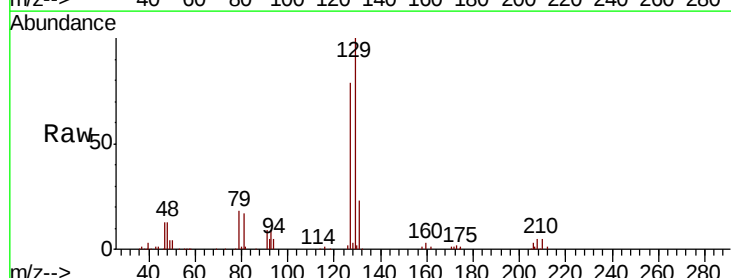
Instrument :
MSVOA_D
ClientSampleId :

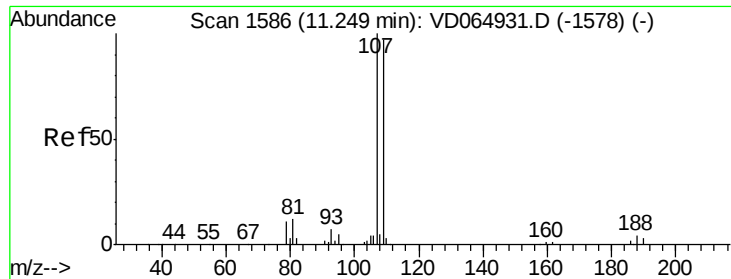
Tot Ion: 43 Resp: 477544
Ion Ratio Lower Upper
43 100
58 52.0 26.5 79.4



#60
Dibromochloromethane
Concen: 48.032 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion: 129 Resp: 225148
Ion Ratio Lower Upper
129 100
127 77.7 38.2 114.6

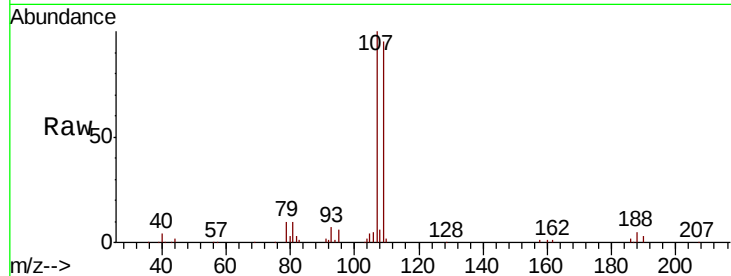




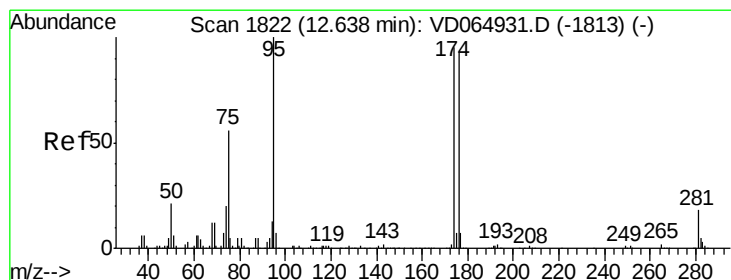
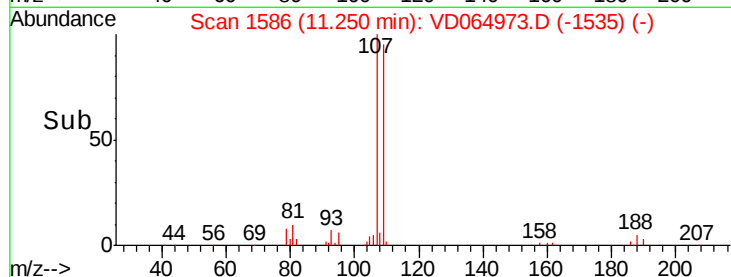
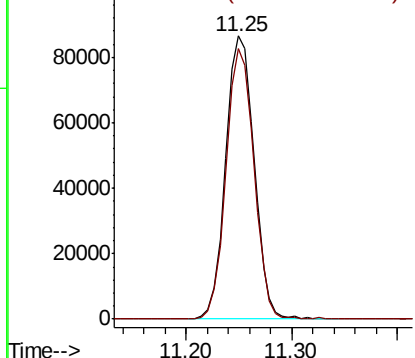
#61
 1,2-Dibromoethane
 Concen: 47.692 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 161054
 Ion Ratio Lower Upper
 107 100
 109 93.6 77.1 115.7

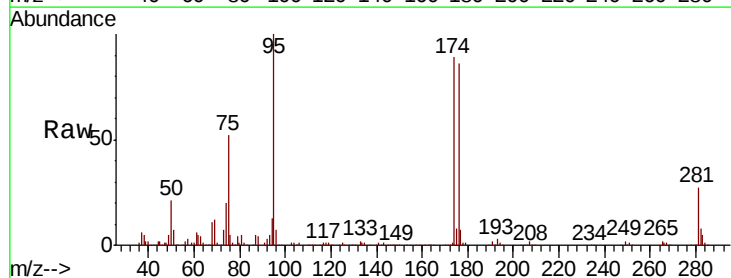


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

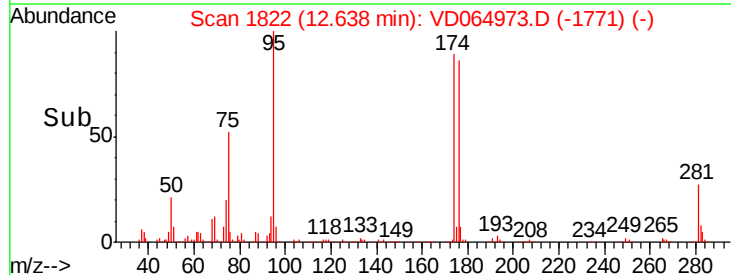
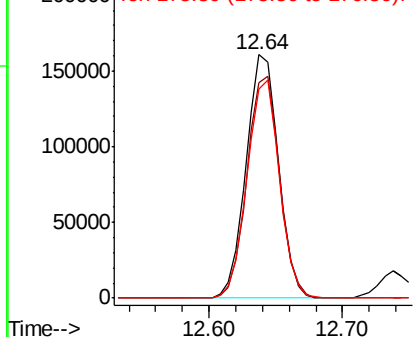


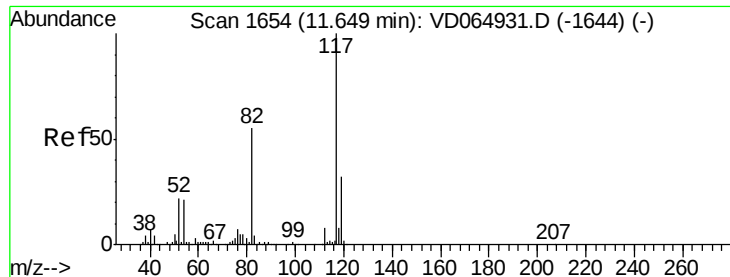
#62
 4-Bromofluorobenzene
 Concen: 48.764 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion: 95 Resp: 268102
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 186.8
 176 89.3 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

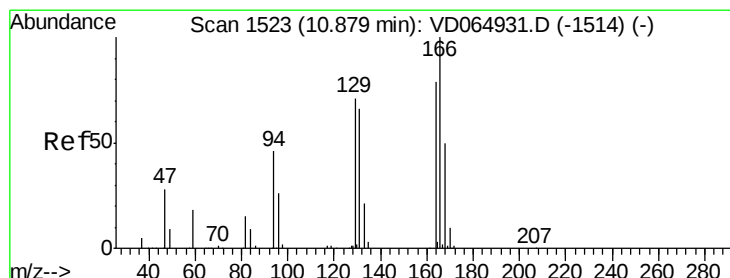
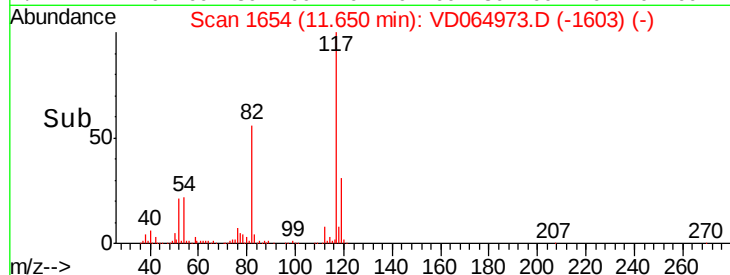
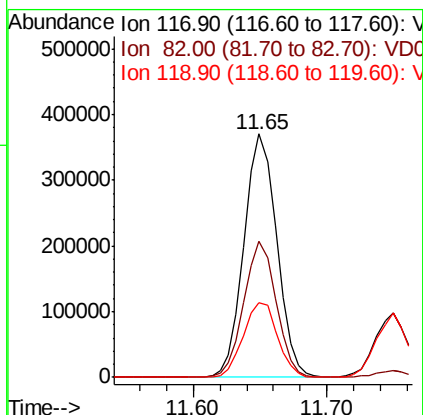
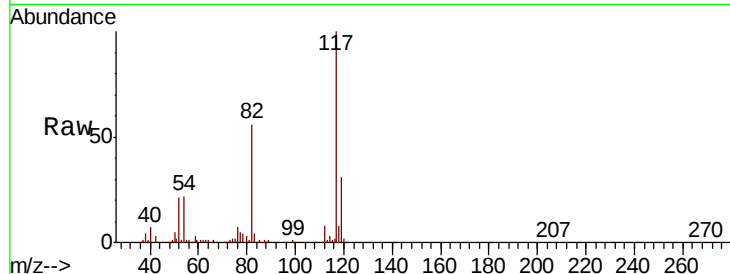




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

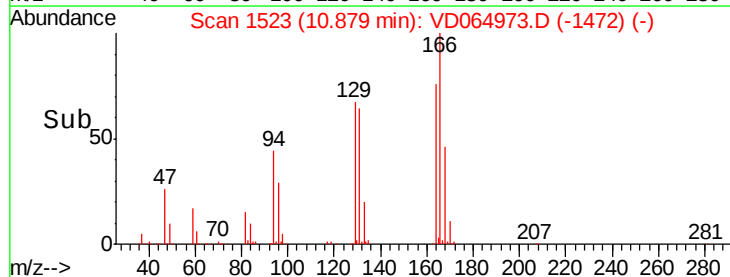
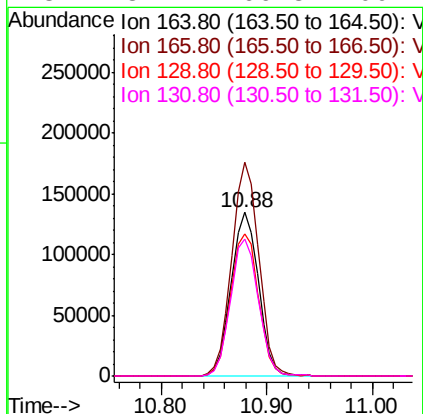
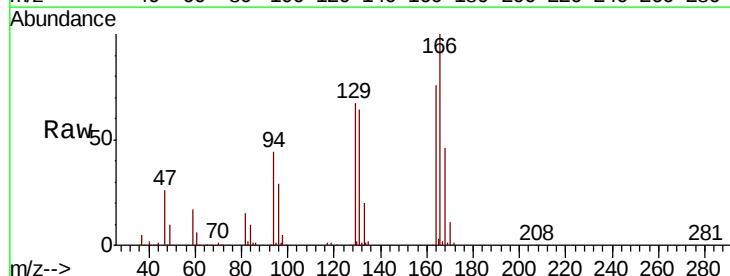
Instrument :
MSVOA_D
ClientSampleId :

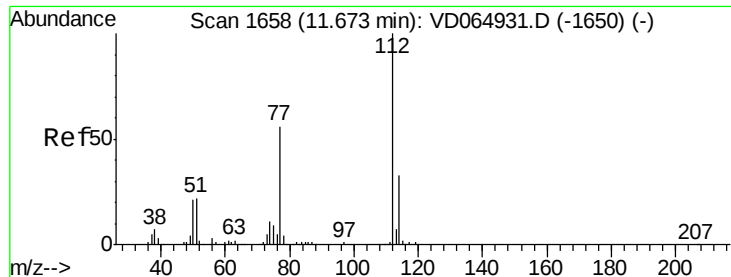
Tot Ion:117 Resp: 630002
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 30.9 25.2 37.8



#64
Tetrachloroethene
Concen: 52.814 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion:164 Resp: 240440
Ion Ratio Lower Upper
164 100
166 130.8 101.4 152.2
129 87.0 71.8 107.8
131 84.2 66.8 100.2

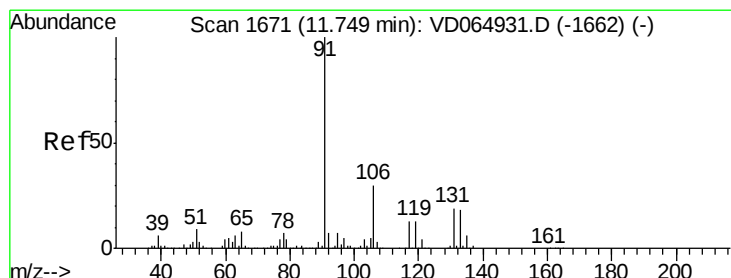
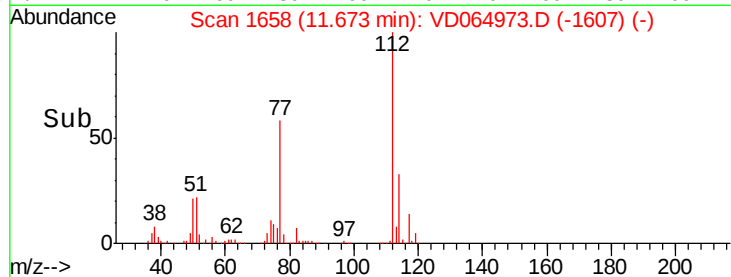
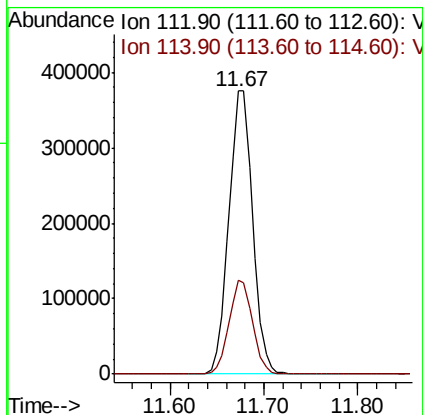
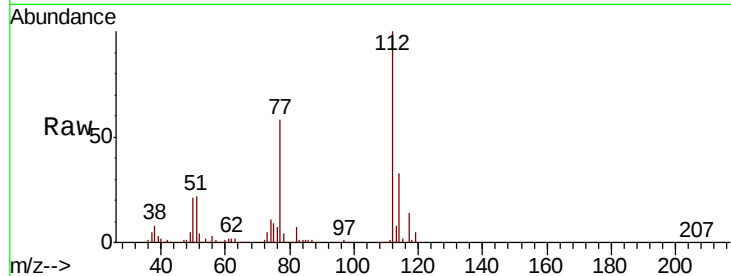




#65
Chlorobenzene
Concen: 51.669 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

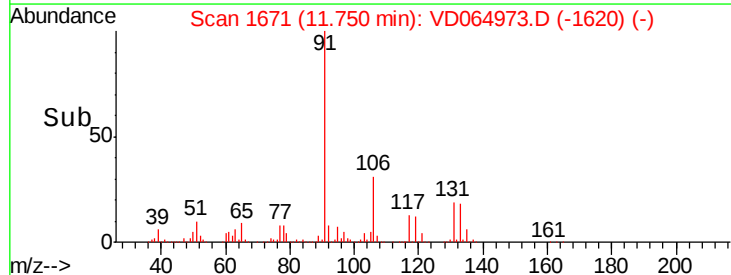
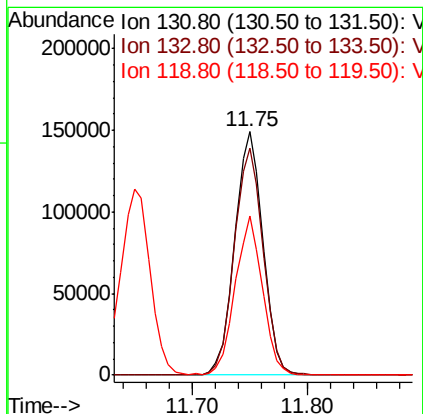
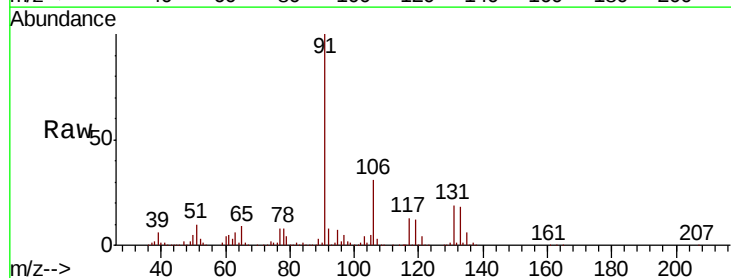
Instrument :
MSVOA_D
ClientSampleId :

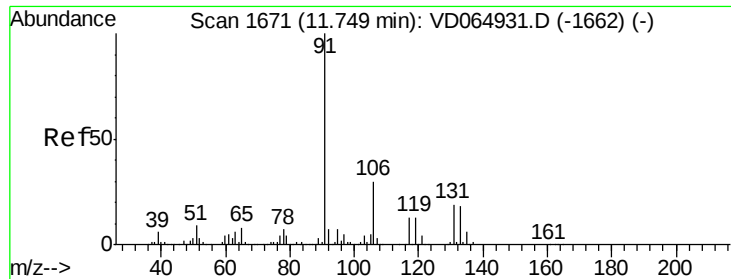
Tot Ion:112 Resp: 660919
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.359 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion:131 Resp: 251881
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 63.4 31.1 93.5





#67

Ethyl Benzene

Concen: 54.548 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

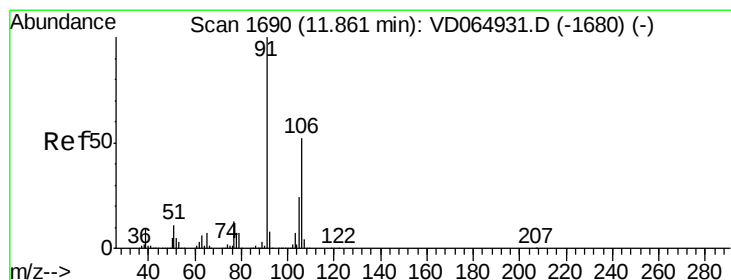
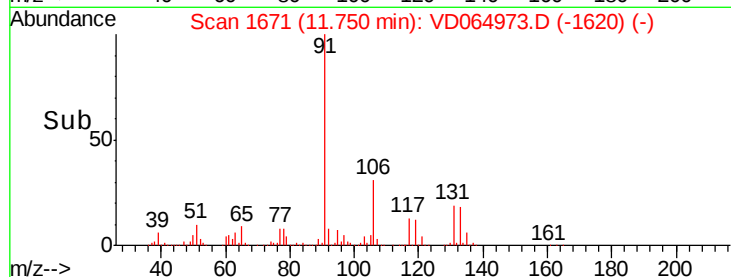
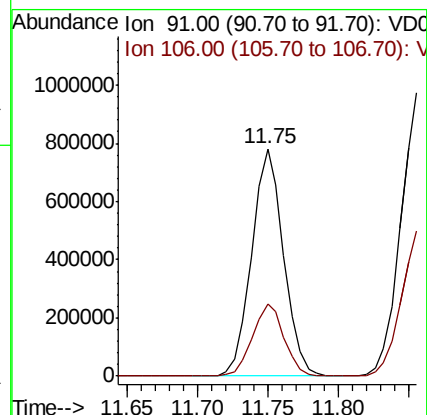
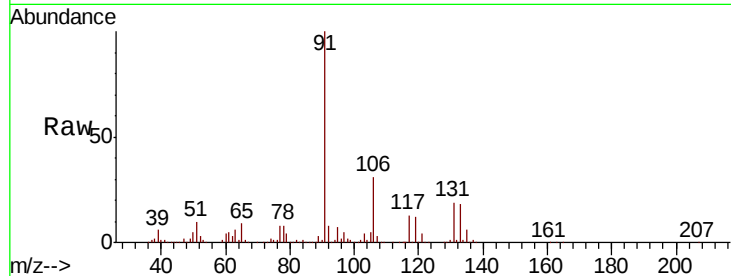
ClientSampleId :

Tot Ion: 91 Resp: 1238731

Ion Ratio Lower Upper

91 100

106 31.5 24.3 36.5



#68

m/p-Xylenes

Concen: 110.365 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD064973.D

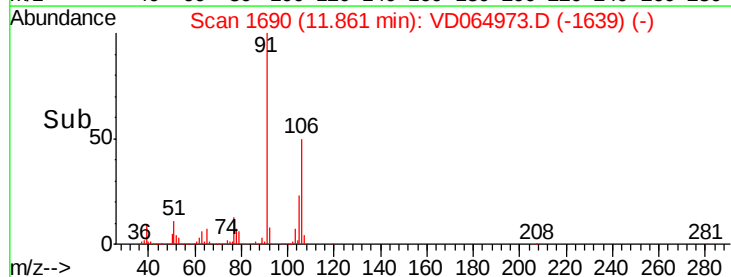
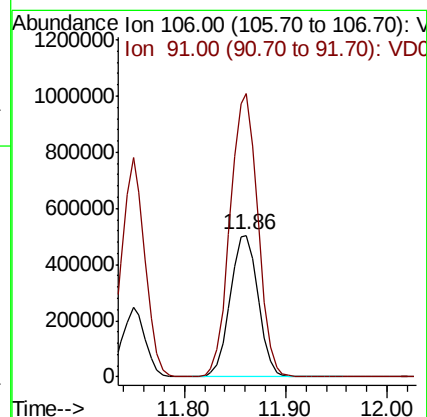
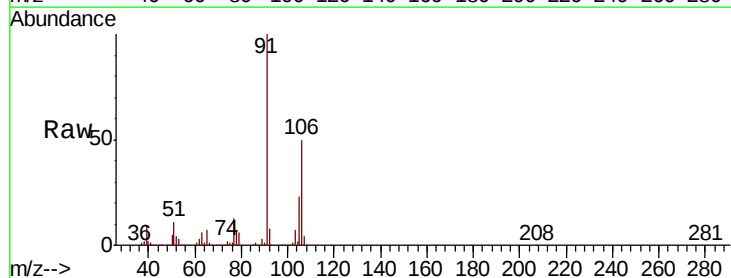
Acq: 28 Jan 2020 10:50

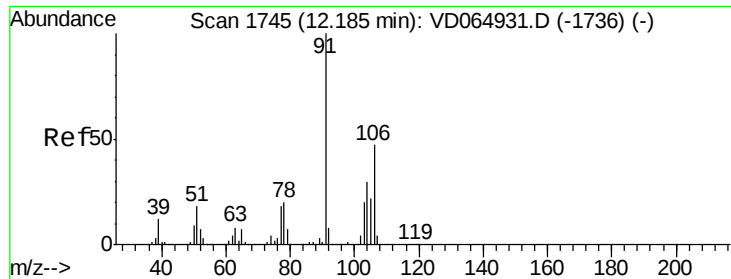
Tgt Ion: 106 Resp: 964973

Ion Ratio Lower Upper

106 100

91 198.5 159.0 238.4

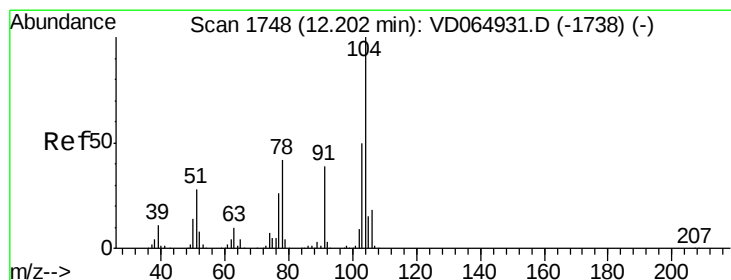
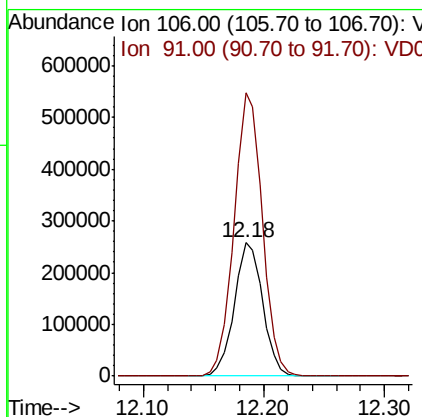
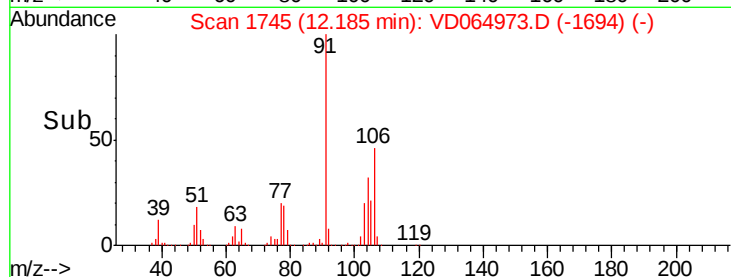
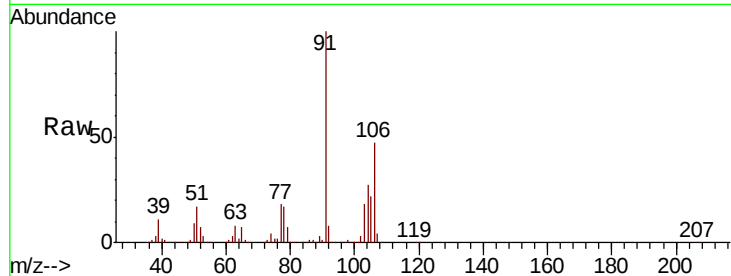




#69
o-Xylene
Concen: 54.516 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

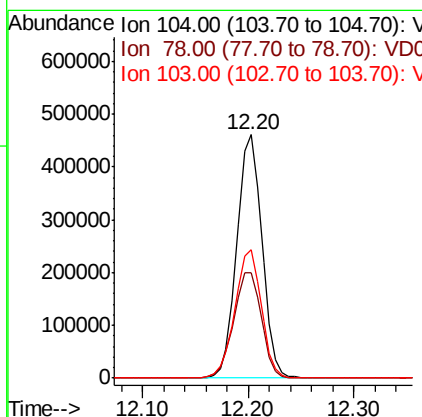
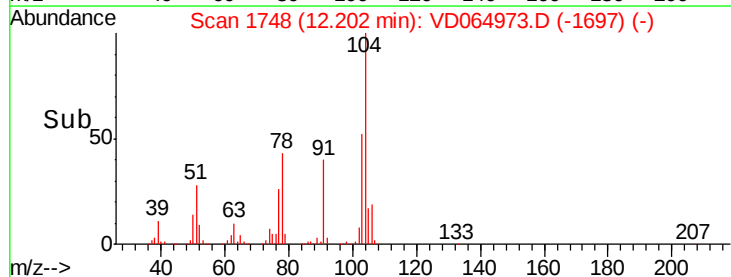
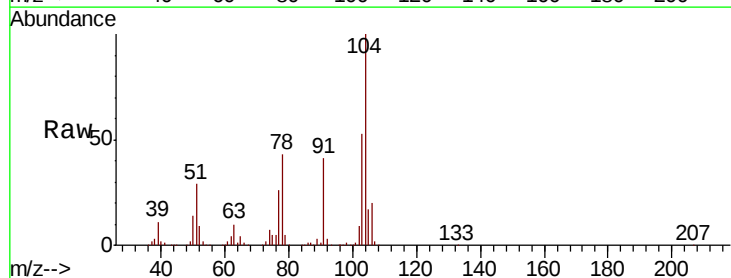
Instrument :
MSVOA_D
ClientSampled :

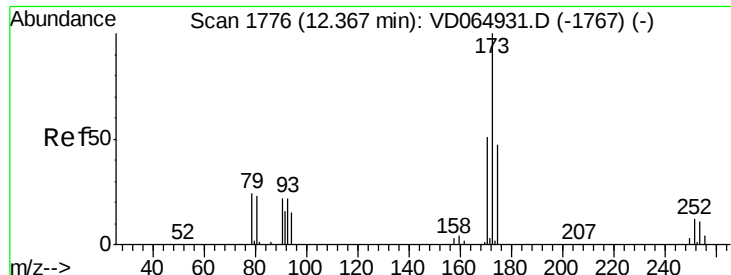
Tot Ion:106 Resp: 423041
Ion Ratio Lower Upper
106 100
91 211.7 106.7 319.9



#70
Styrene
Concen: 54.749 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion:104 Resp: 756812
Ion Ratio Lower Upper
104 100
78 47.9 38.3 57.5
103 55.4 43.5 65.3

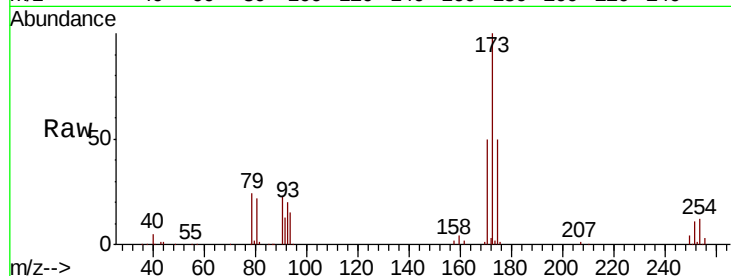




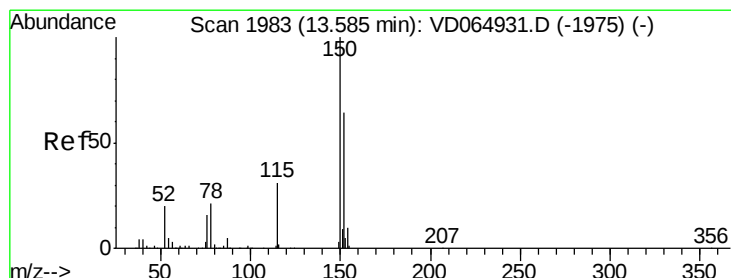
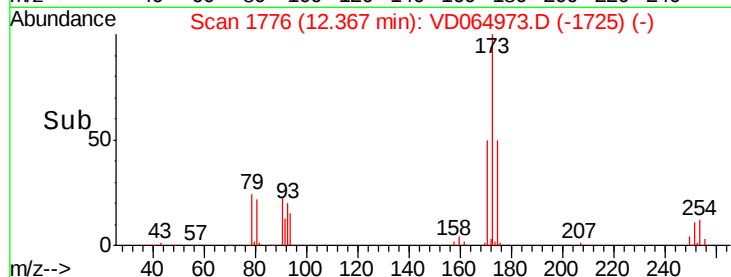
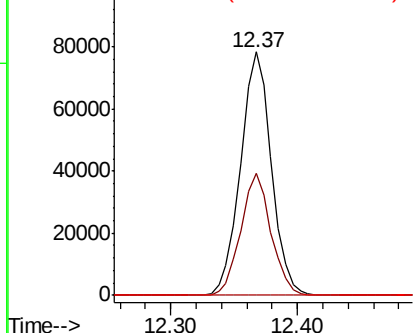
#71
Bromoform
Concen: 49.405 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 132116
Ion Ratio Lower Upper
173 100
175 49.0 24.6 73.8
254 0.2 0.1 0.1#

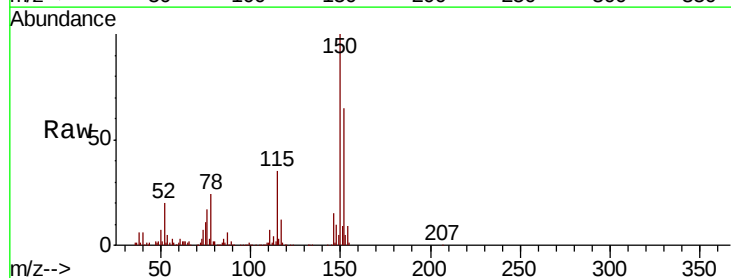


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

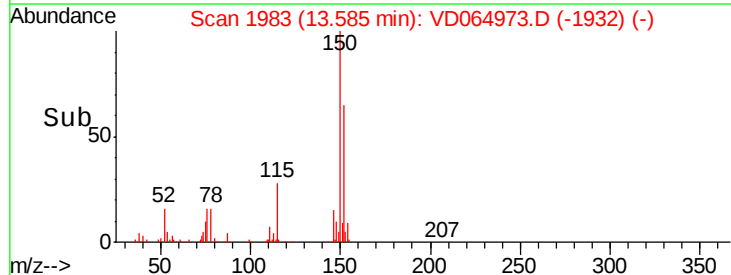
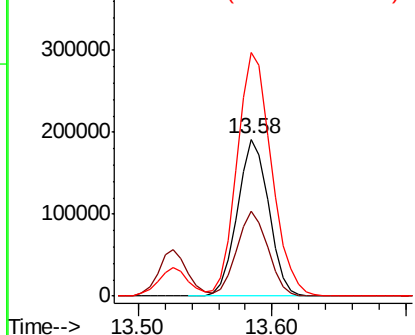


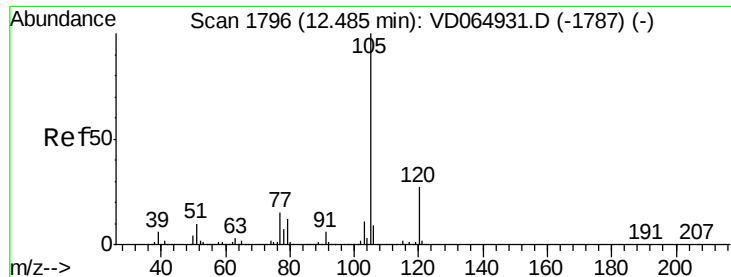
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion:152 Resp: 310330
Ion Ratio Lower Upper
152 100
115 53.9 28.1 84.4
150 171.4 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: 55.406 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

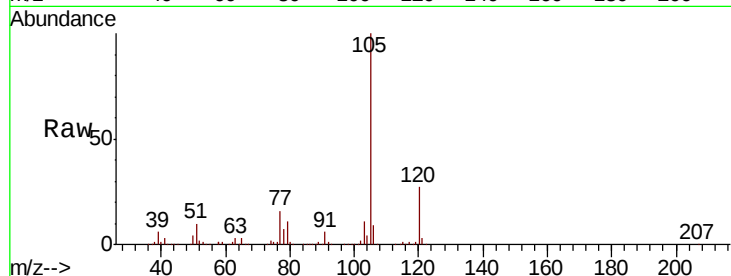
ClientSampleId :

Tot Ion:105 Resp: 1175199

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

600000

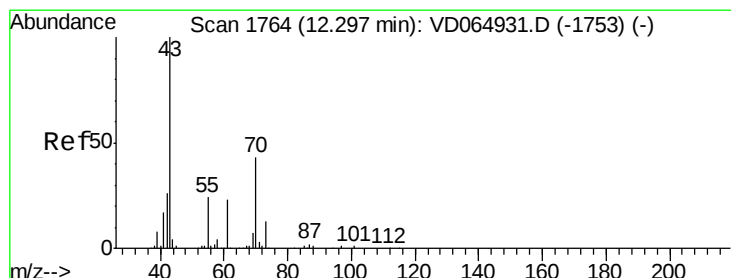
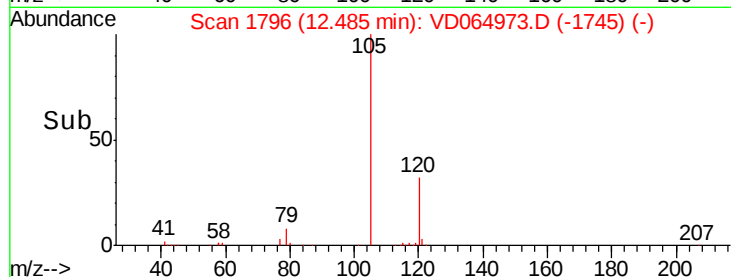
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 49.412 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Tgt Ion: 43 Resp: 234525

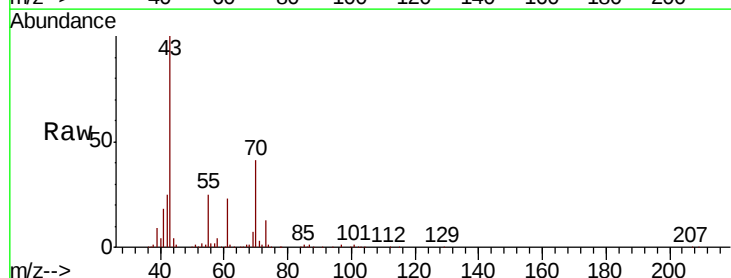
Ion Ratio Lower Upper

43 100

70 41.1 32.6 49.0

55 24.7 19.9 29.9

61 22.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

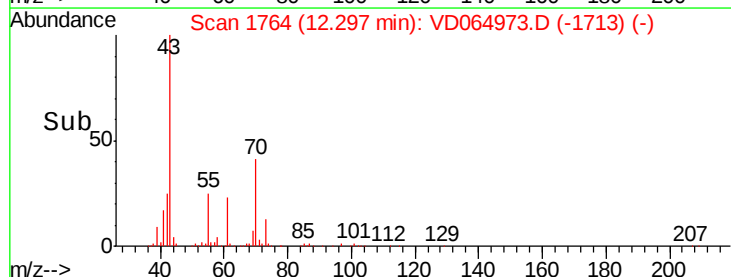
100000

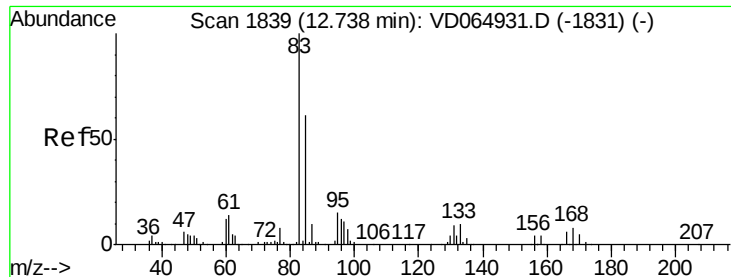
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.626 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

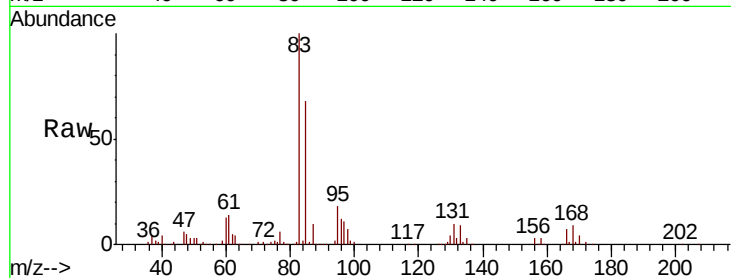
Tot Ion: 83 Resp: 169783

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

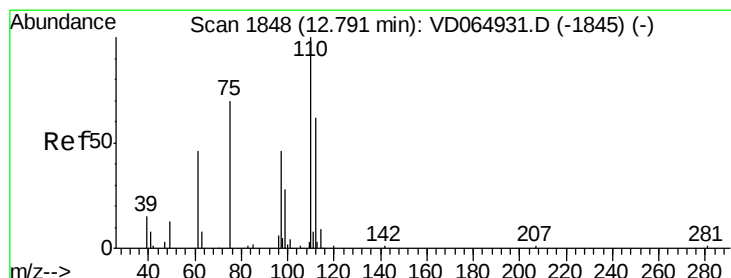
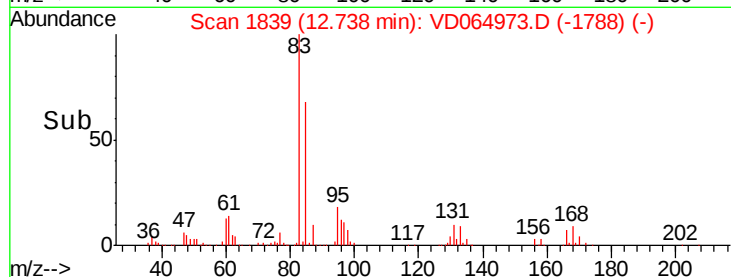
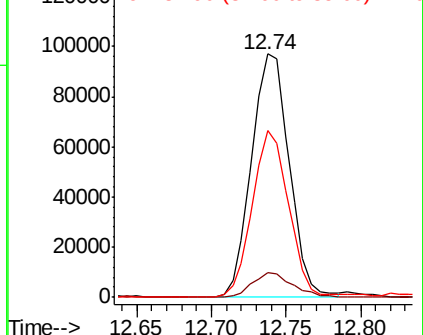
85 66.9 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 90.717 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064973.D

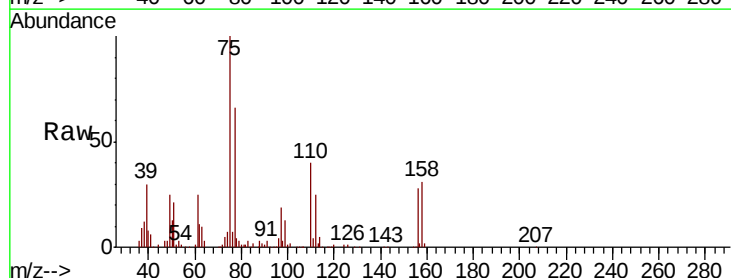
Acq: 28 Jan 2020 10:50

Tgt Ion: 75 Resp: 233667

Ion Ratio Lower Upper

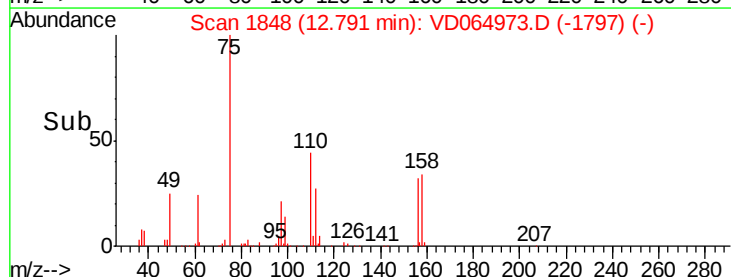
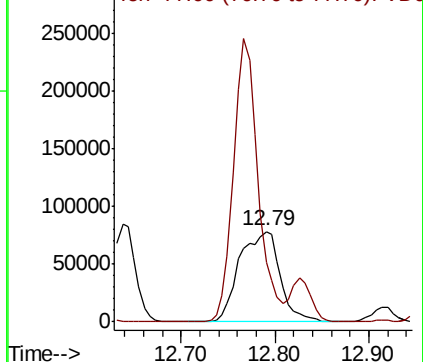
75 100

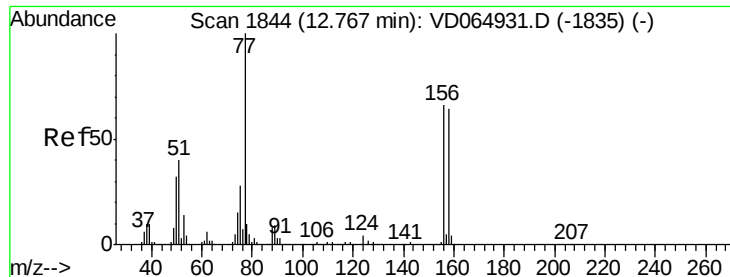
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.265 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

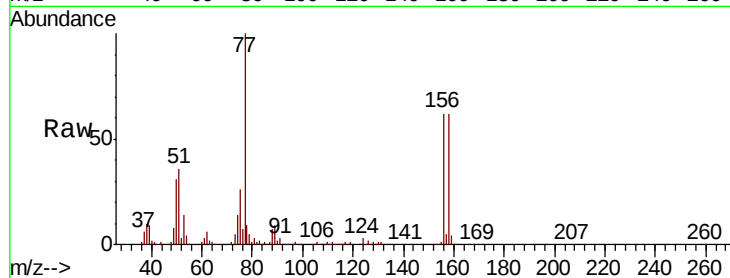
Tot Ion:156 Resp: 266051

Ion Ratio Lower Upper

156 100

77 168.4 84.2 252.5

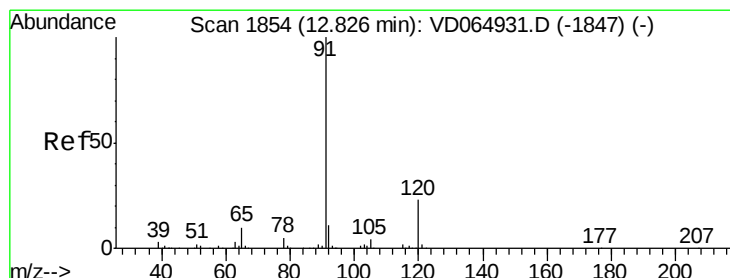
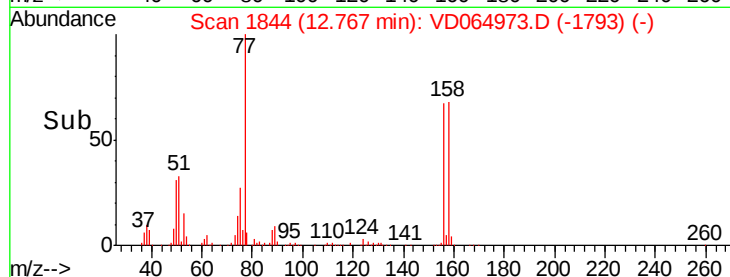
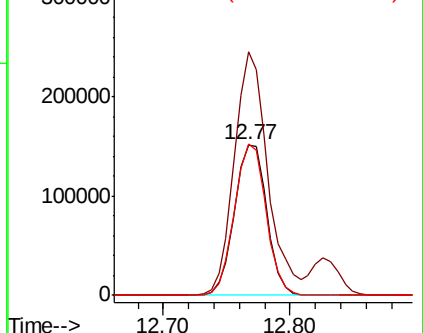
158 99.0 48.1 144.4



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: 55.426 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064973.D

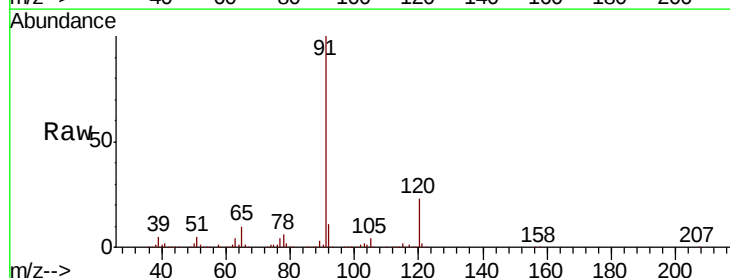
Acq: 28 Jan 2020 10:50

Tgt Ion: 91 Resp: 1398097

Ion Ratio Lower Upper

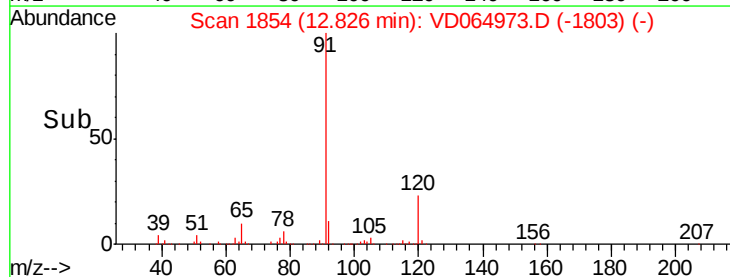
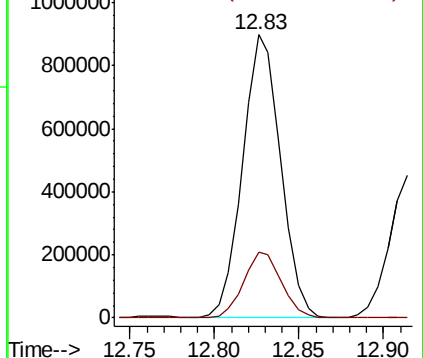
91 100

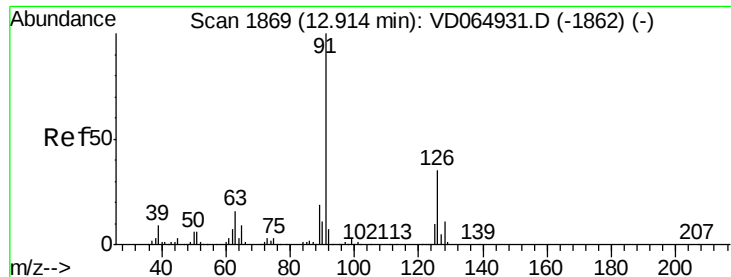
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.441 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

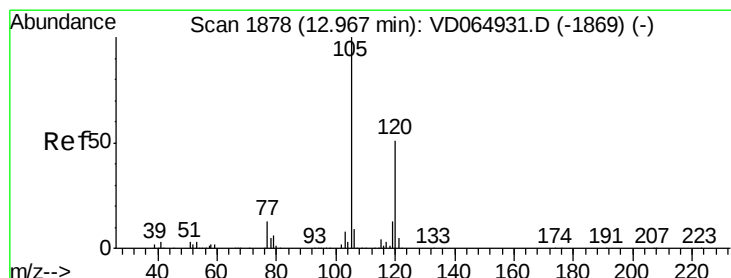
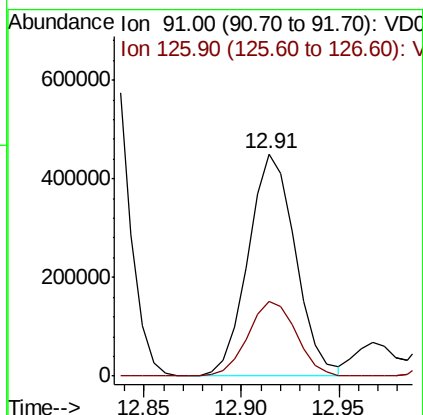
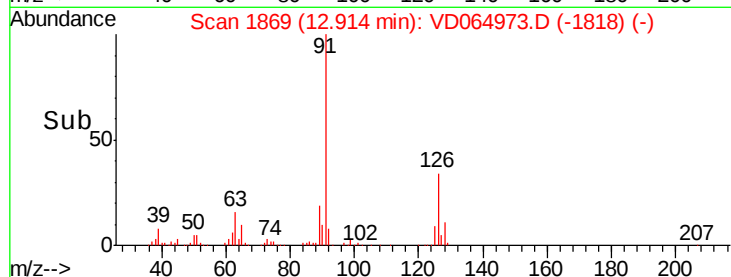
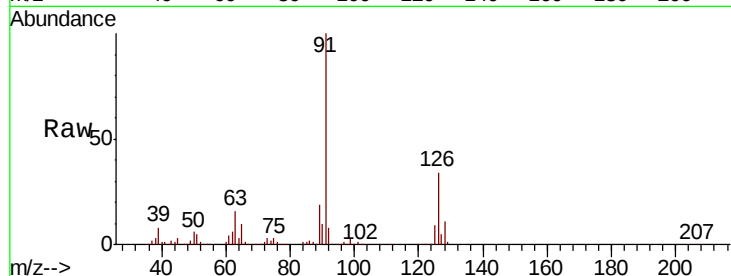
ClientSampleId :

Tot Ion: 91 Resp: 753340

Ion Ratio Lower Upper

91 100

126 34.5 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 55.401 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064973.D

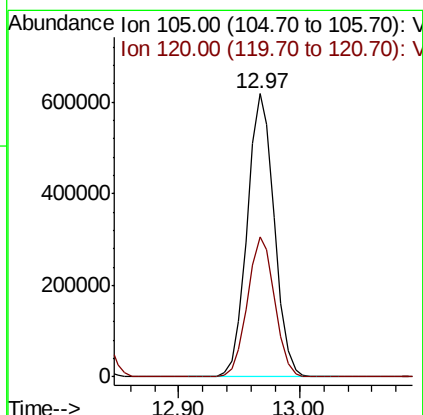
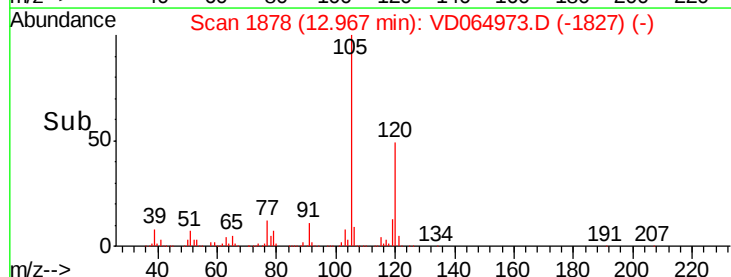
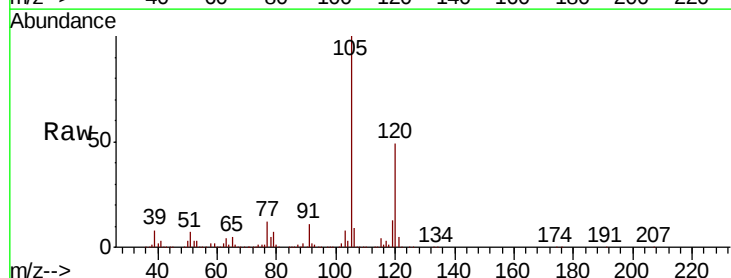
Acq: 28 Jan 2020 10:50

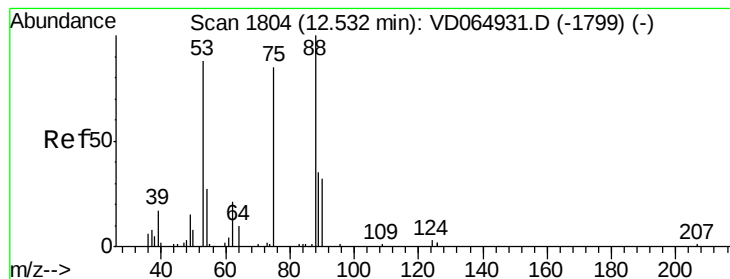
Tgt Ion:105 Resp: 962980

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.385 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

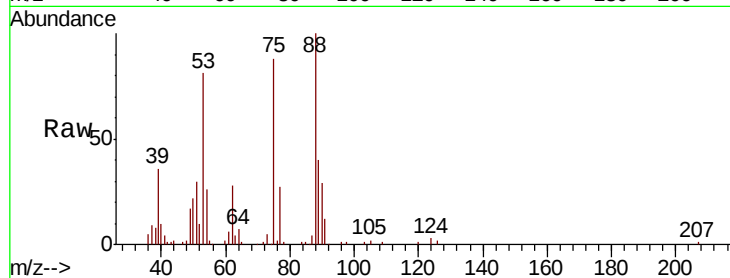
Tot Ion: 75 Resp: 59574

Ion Ratio Lower Upper

75 100

53 99.6 81.0 121.4

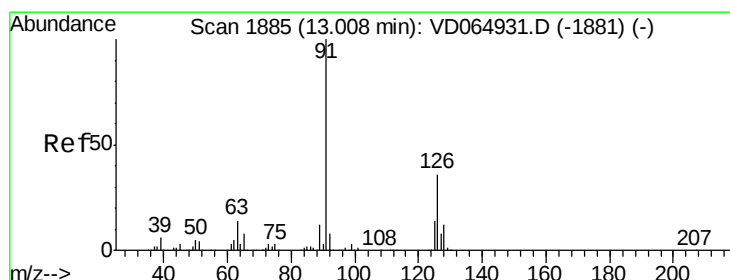
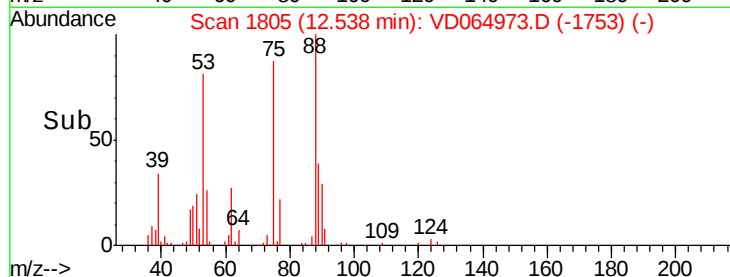
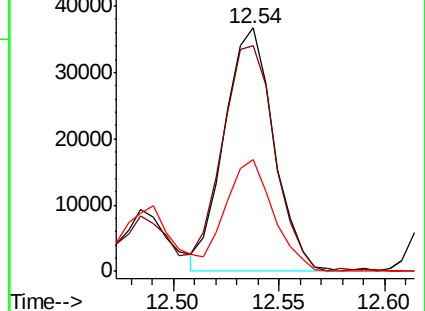
89 43.6 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.235 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064973.D

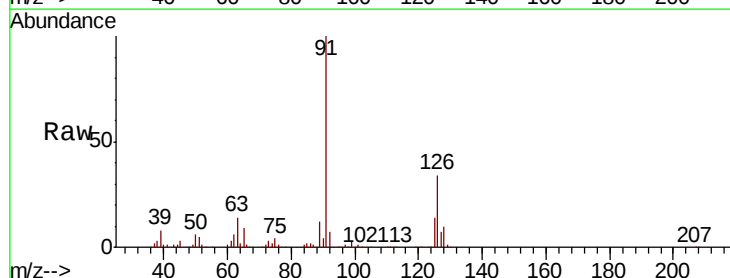
Acq: 28 Jan 2020 10:50

Tgt Ion: 91 Resp: 781229

Ion Ratio Lower Upper

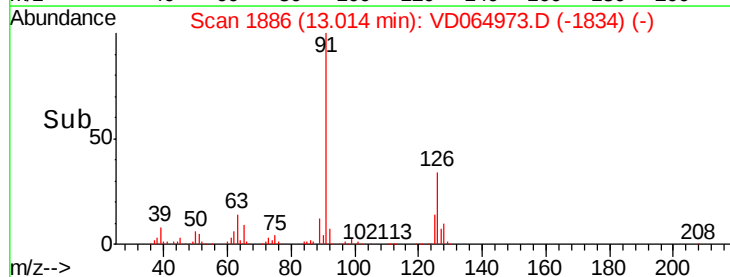
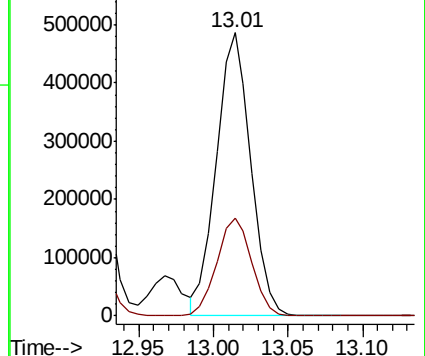
91 100

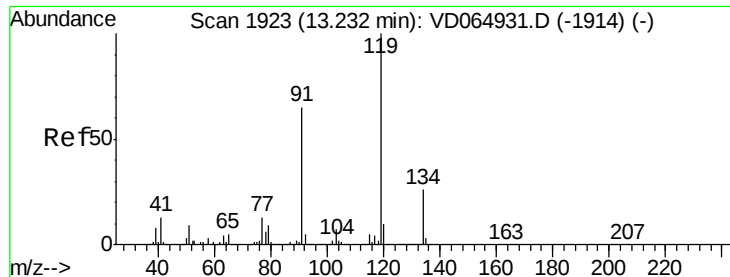
126 35.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

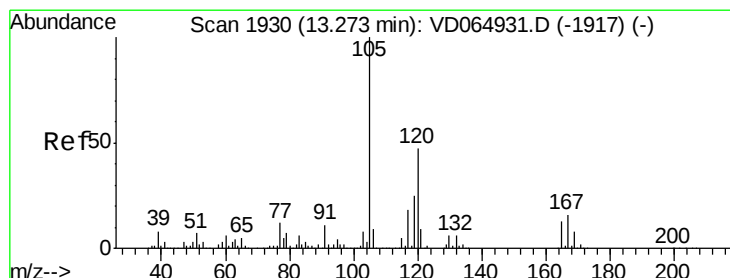
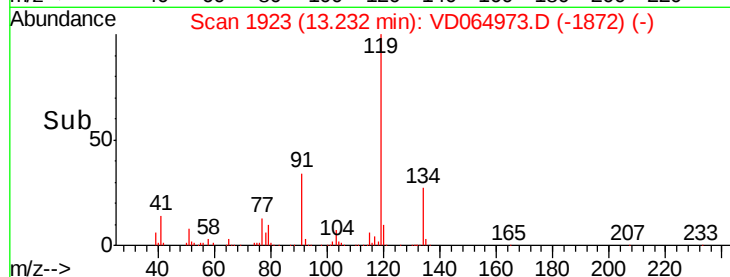
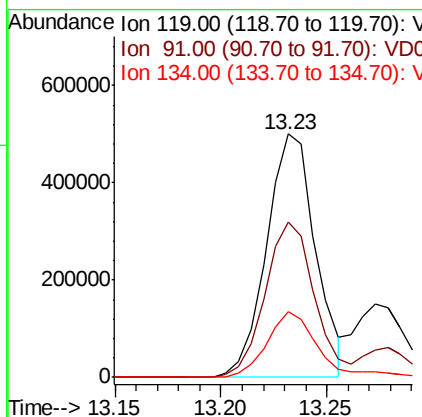
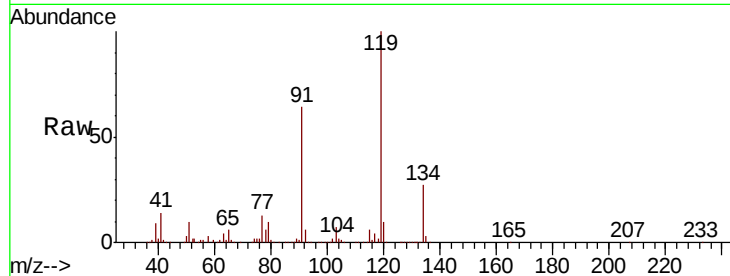




#83
tert-Butylbenzene
Concen: 54.677 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

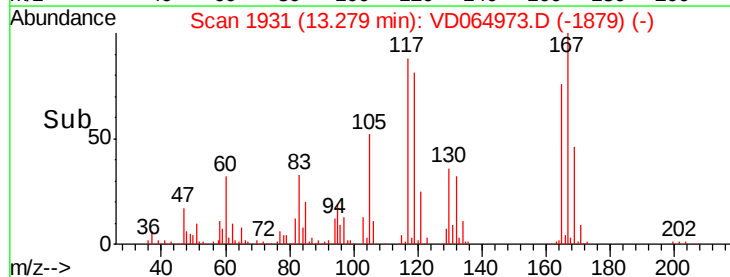
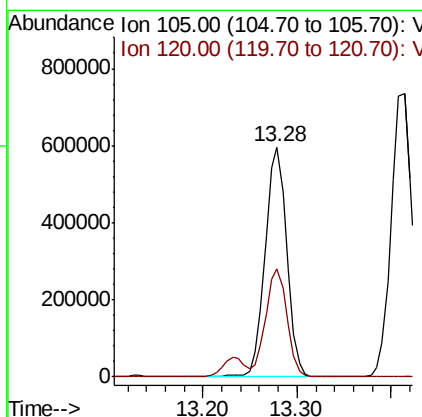
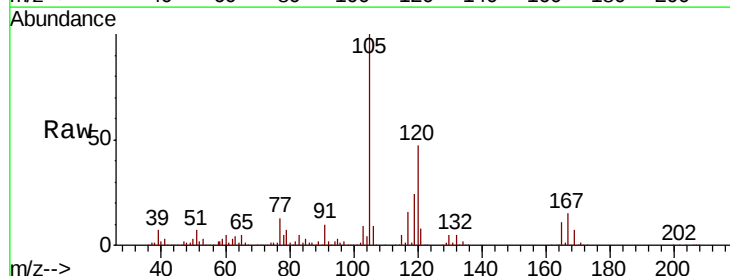
Instrument :
MSVOA_D
ClientSampled :

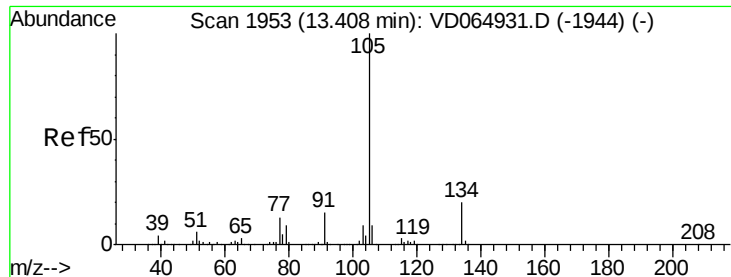
Tot Ion:119 Resp: 806530
Ion Ratio Lower Upper
119 100
91 64.4 32.0 96.0
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 53.933 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064973.D
Acq: 28 Jan 2020 10:50

Tgt Ion:105 Resp: 949671
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3

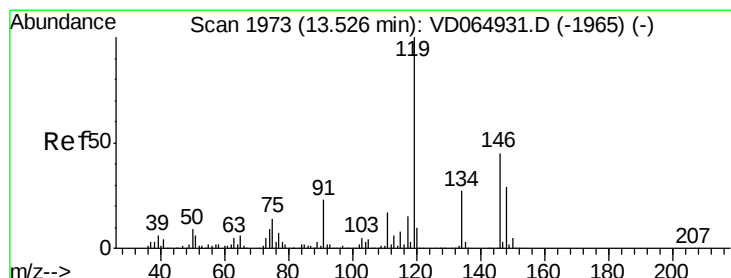
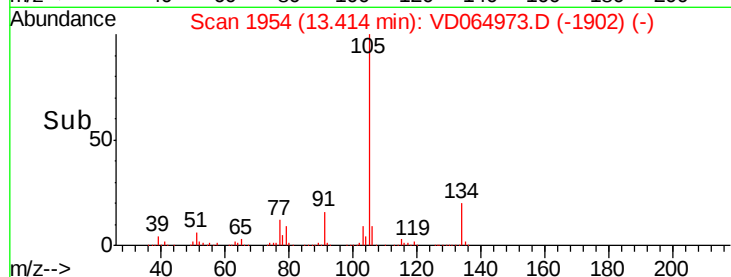
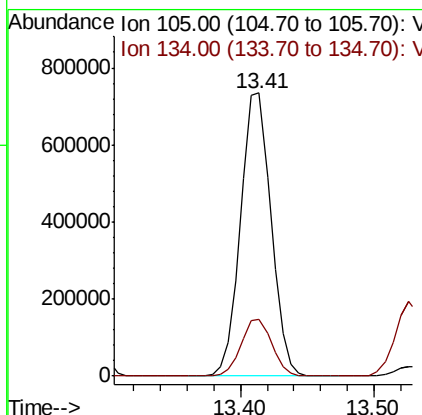
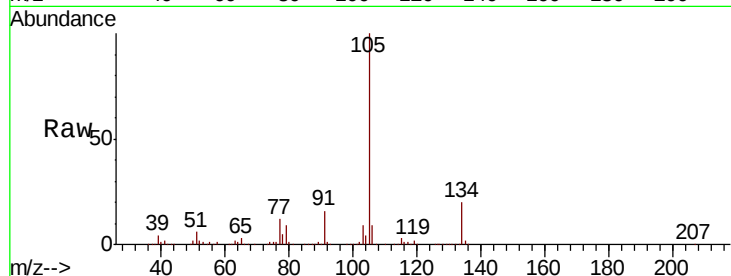




#85
 sec-Butylbenzene
 Concen: 55.545 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

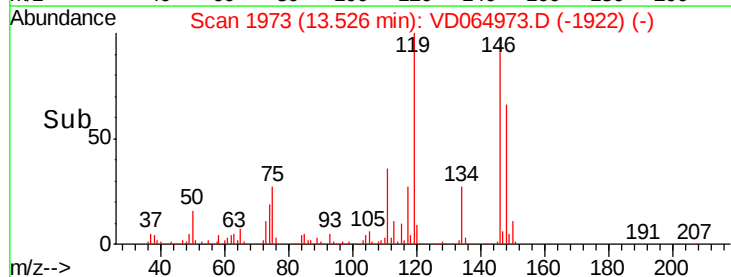
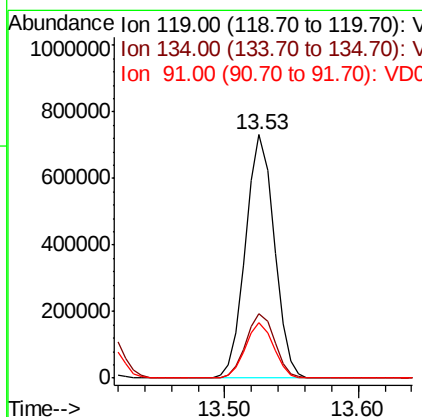
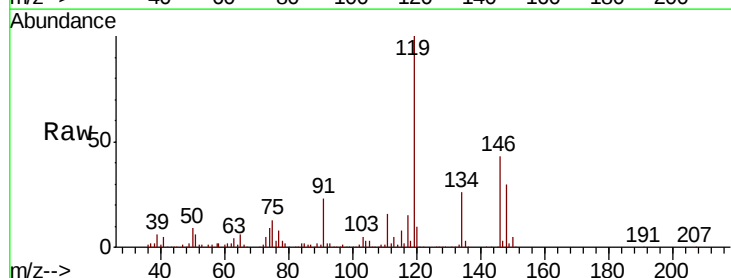
Instrument :
 MSVOA_D
 ClientSampled :

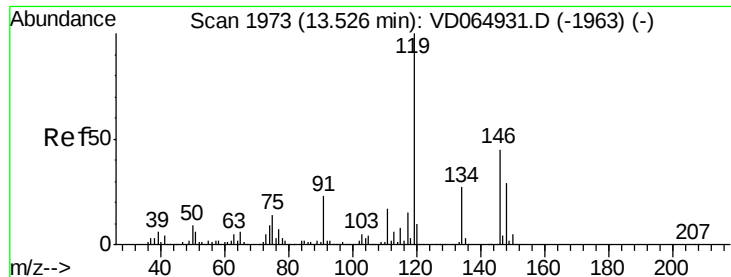
Tot Ion:105 Resp: 1160100
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 55.601 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion:119 Resp: 1086664
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 52.276 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064973.D

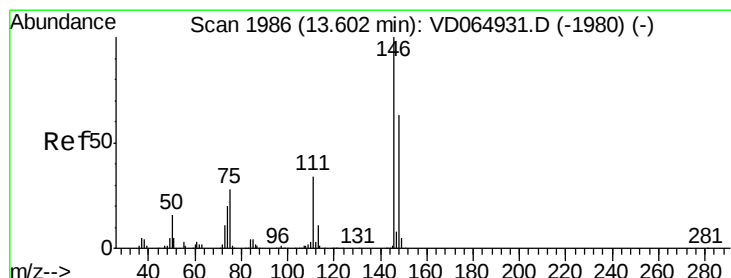
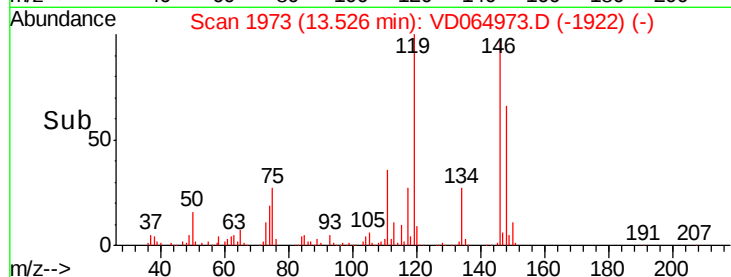
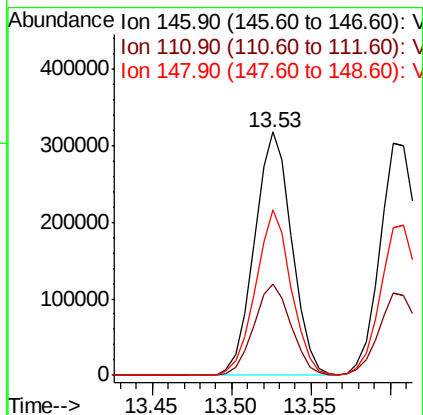
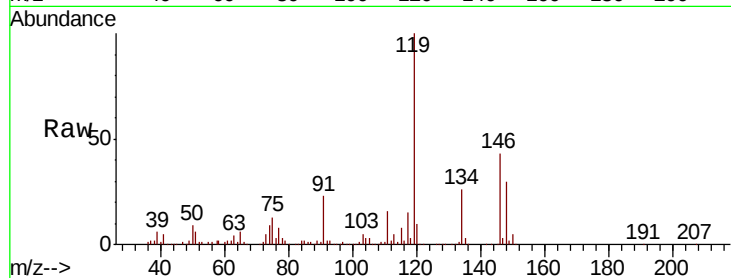
Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:146	Resp:	520539
Ion	Ratio	Lower Upper
146	100	
111	37.4	18.9 56.9
148	65.0	32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 51.332 ug/l

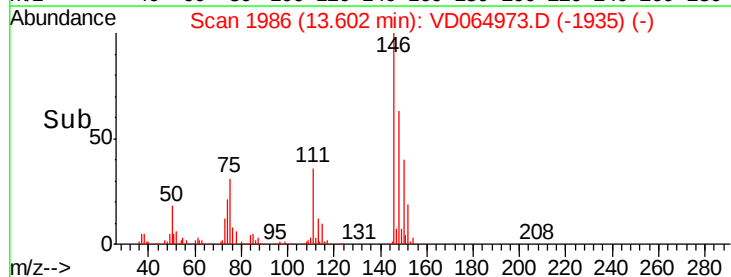
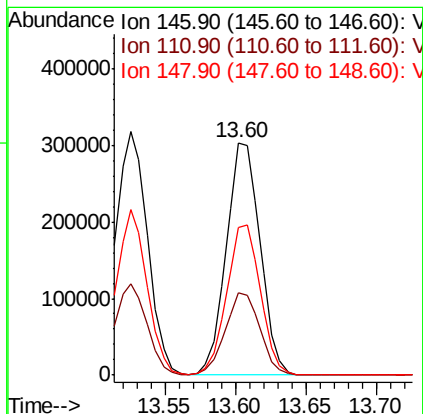
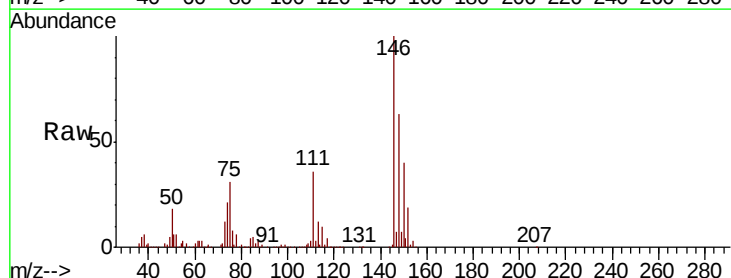
RT: 13.60 min Scan# 1986

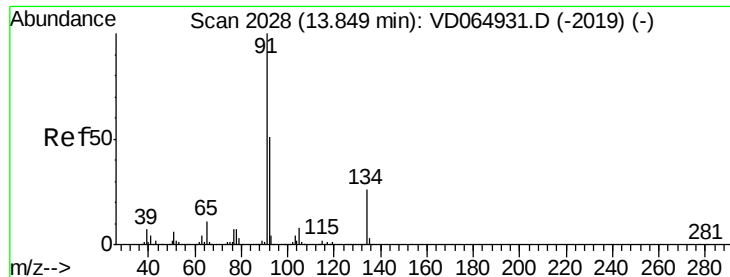
Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Tgt Ion:146	Resp:	507316
Ion	Ratio	Lower Upper
146	100	
111	36.3	18.2 54.6
148	64.3	32.0 96.0





#89

n-Butylbenzene

Concen: 55.627 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

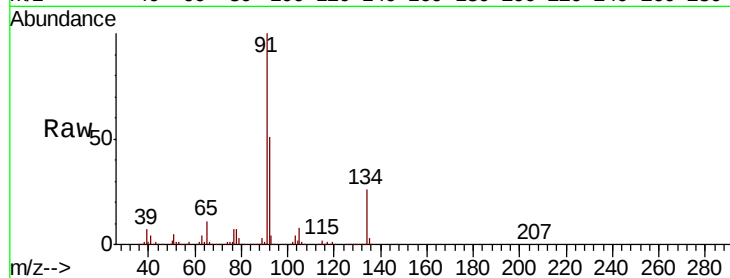
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 91 Resp: 992167

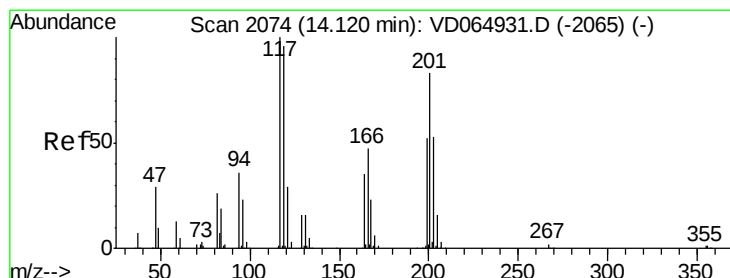
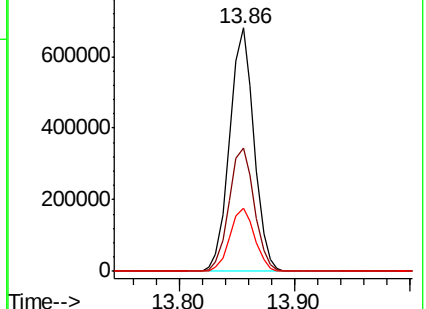
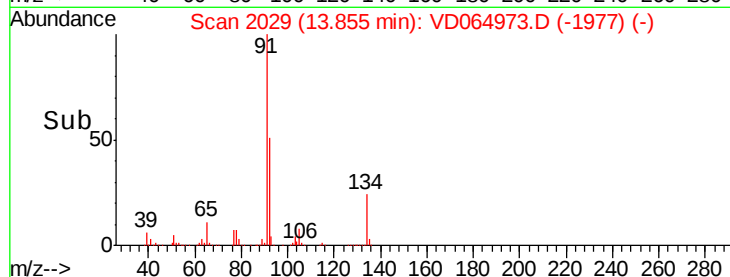
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	26.5	13.3	39.9



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): VDC



#90

Hexachloroethane

Concen: 54.086 ug/l

RT: 14.12 min Scan# 2074

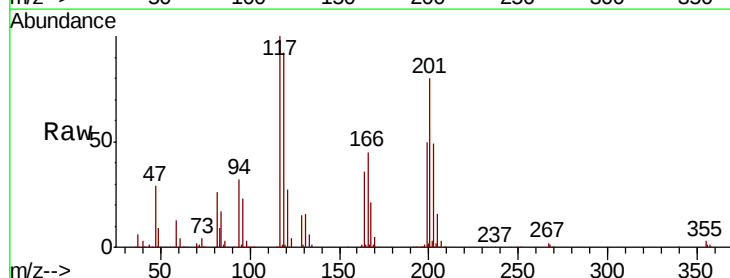
Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

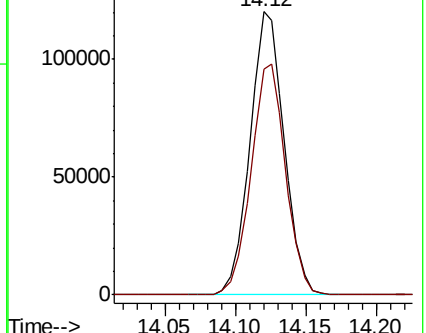
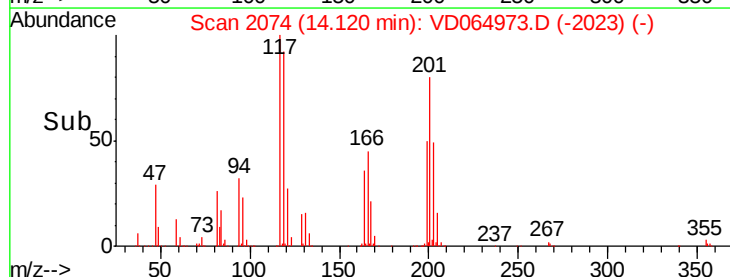
Tgt Ion: 117 Resp: 203848

Ion	Ratio	Lower	Upper
117	100		
201	82.5	41.1	123.3



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

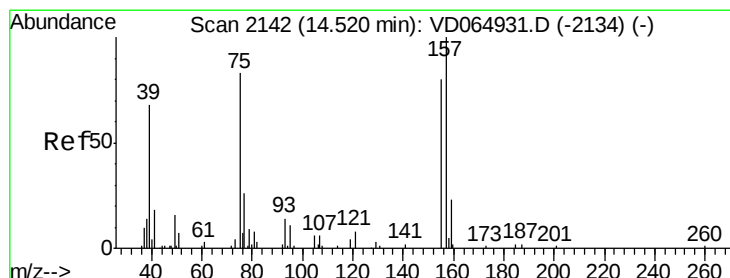
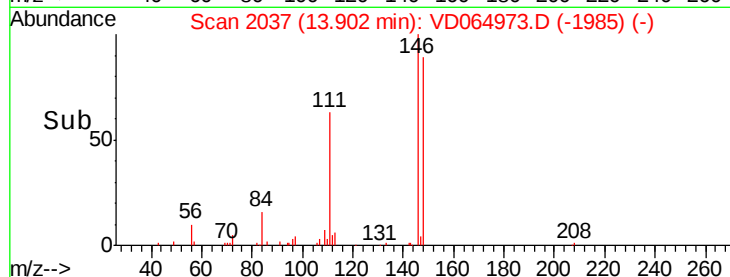
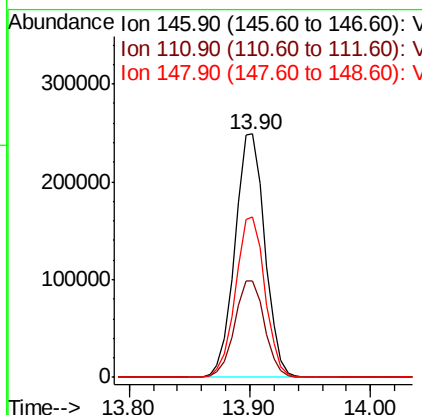
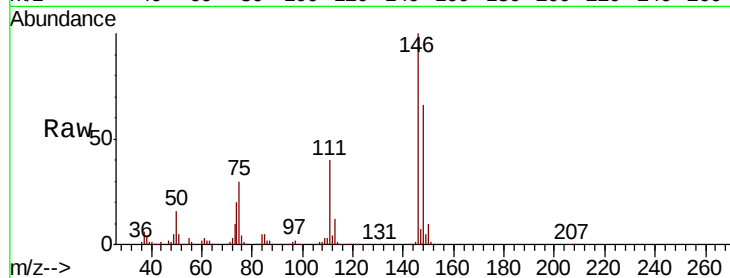




#91
 1,2-Dichlorobenzene
 Concen: 50.949 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

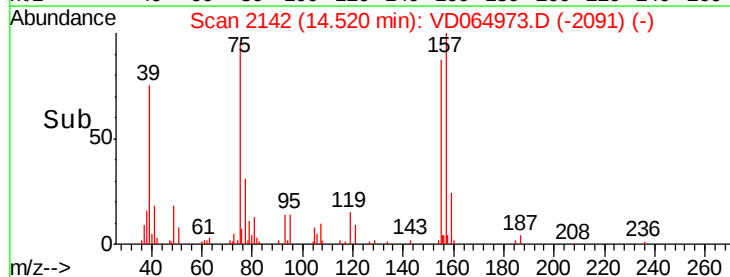
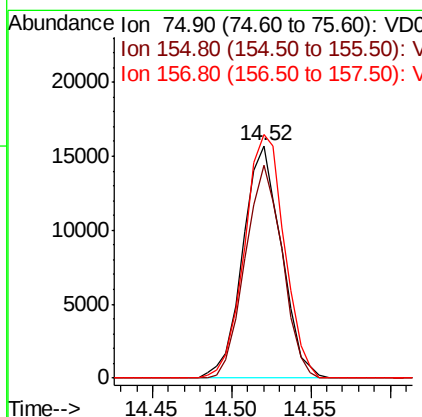
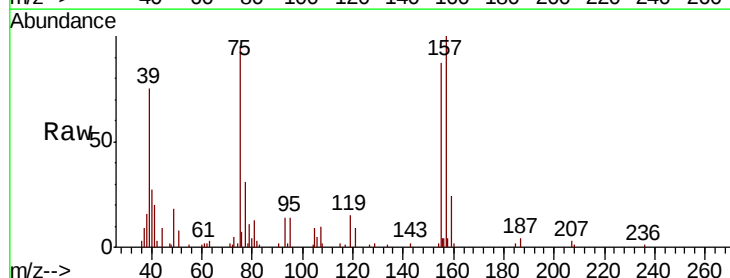
Instrument :
 MSVOA_D
 ClientSampleId :

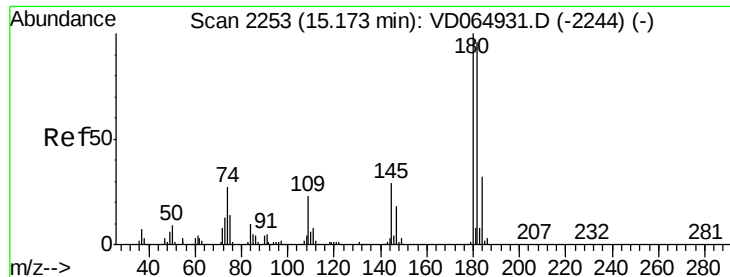
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	64.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.598 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	44.9	134.7
157	108.2	58.9	176.6

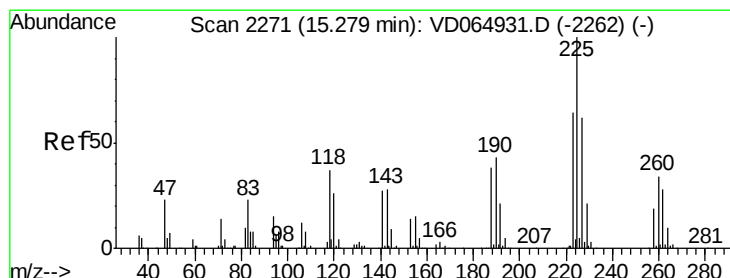
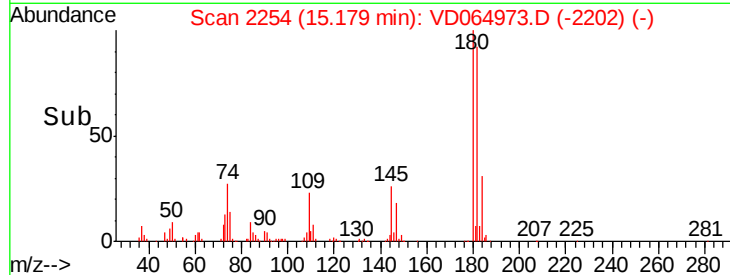
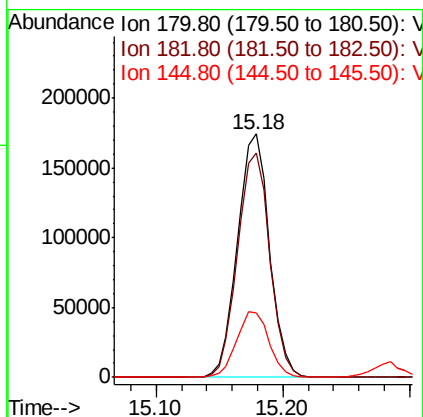
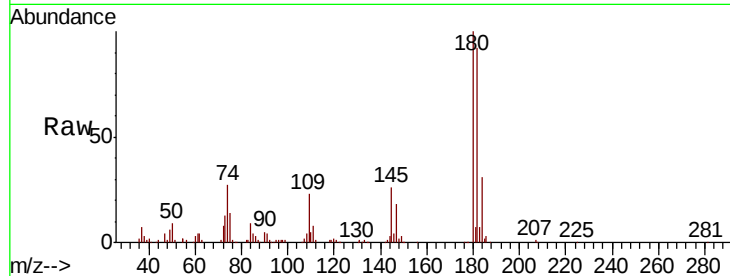




#93
 1,2,4-Trichlorobenzene
 Concen: 51.964 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

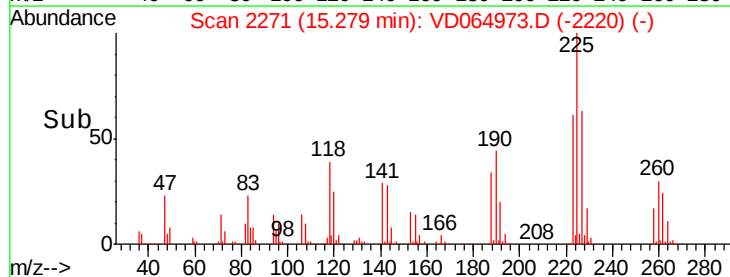
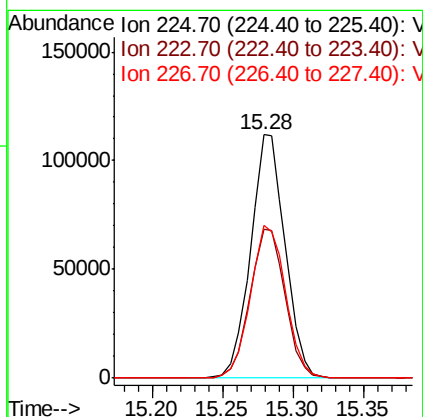
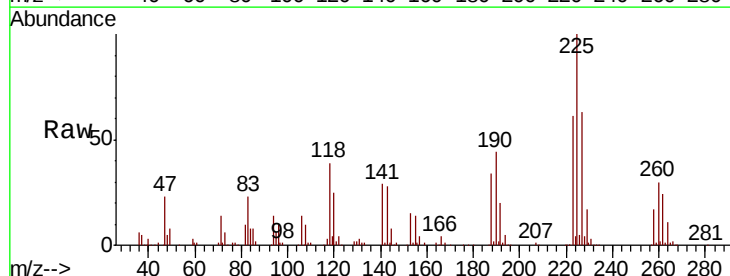
Instrument :
 MSVOA_D
 ClientSampleId :

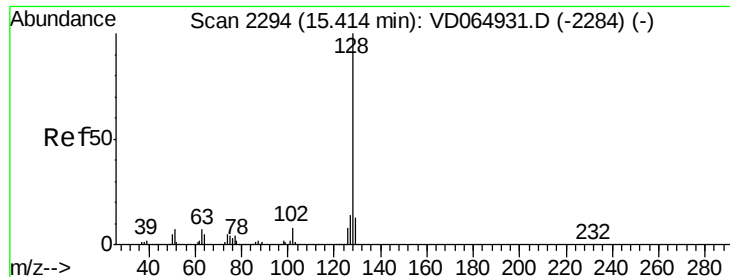
Tot Ion:180 Resp: 303901
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.1 141.4
 145 27.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 51.769 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064973.D
 Acq: 28 Jan 2020 10:50

Tgt Ion:225 Resp: 191503
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.4 97.2
 227 64.1 31.9 95.9





#95

Naphthalene

Concen: 50.965 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

Instrument :

MSVOA_D

ClientSampleId :

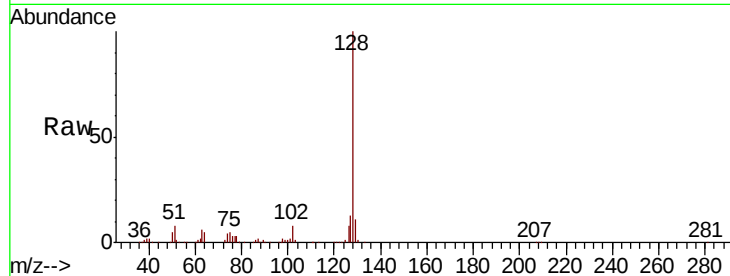
Tot Ion:128 Resp: 481036

Ion Ratio Lower Upper

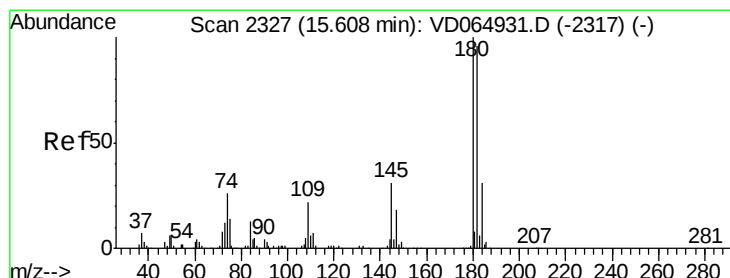
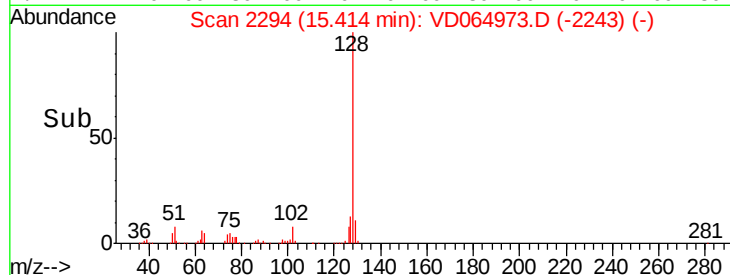
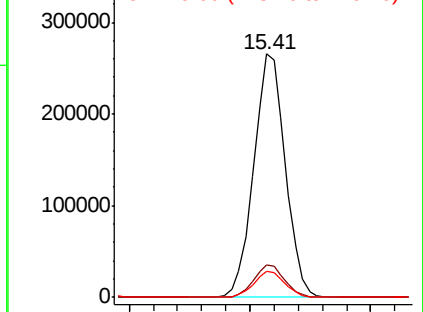
128 100

127 13.1 10.6 15.8

129 10.7 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: 50.581 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064973.D

Acq: 28 Jan 2020 10:50

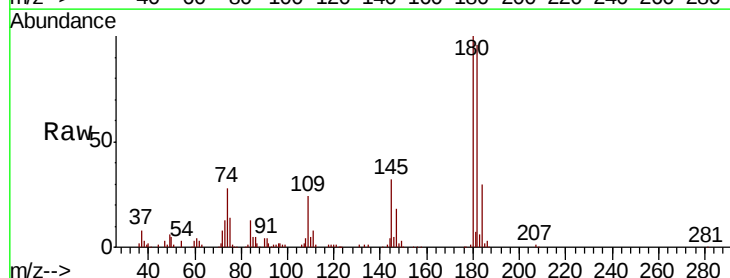
Tgt Ion:180 Resp: 256487

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 29.5 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

