

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
 Data File : VD064728.D
 Acq On : 03 Jan 2020 12:16
 Operator : VA/SY
 Sample : VD0103SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 03 16:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	607993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	530905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174847	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	7.92	113	174412	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	10.34	98	675985	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.64	95	214443	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63759	19.616	ug/l	96
3) Chloromethane	2.21	50	92021	20.243	ug/l	98
4) Vinyl Chloride	2.35	62	110044	19.855	ug/l	94
5) Bromomethane	2.76	94	77421	19.211	ug/l	94
6) Chloroethane	2.92	64	76298	20.545	ug/l	96
7) Trichlorofluoromethane	3.27	101	191601	20.531	ug/l	99
8) Diethyl Ether	3.70	74	36924	19.924	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	79858	20.662	ug/l	98
10) Methyl Iodide	4.29	142	75941	18.292	ug/l	100
11) Tert butyl alcohol	5.24	59	17537	82.973	ug/l	99
12) 1,1-Dichloroethene	4.06	96	73351	19.935	ug/l	97
13) Acrolein	3.91	56	24139	81.949	ug/l	99
14) Allyl chloride	4.71	41	117788	20.531	ug/l	100
15) Acrylonitrile	5.43	53	76860	99.570	ug/l	98
16) Acetone	4.16	43	80615	99.229	ug/l	97
17) Carbon Disulfide	4.40	76	236994	19.919	ug/l	97
18) Methyl Acetate	4.73	43	42285	20.366	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	163853	20.048	ug/l	97
20) Methylene Chloride	4.96	84	90207	21.091	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	86859	20.728	ug/l	97
22) Diisopropyl ether	6.37	45	233474	20.404	ug/l	99
23) Vinyl Acetate	6.31	43	645574	99.456	ug/l	98
24) 1,1-Dichloroethane	6.26	63	141110	20.542	ug/l	99
25) 2-Butanone	7.22	43	99768	98.417	ug/l	99
26) 2,2-Dichloropropane	7.21	77	132014	20.669	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	92079	20.360	ug/l	99
28) Bromochloromethane	7.55	49	48503	18.163	ug/l	97
29) Tetrahydrofuran	7.57	42	60854	96.530	ug/l	99
30) Chloroform	7.71	83	148310	20.578	ug/l	98
31) Cyclohexane	7.98	56	135920	19.766	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	140617	20.772	ug/l	99
36) 1,1-Dichloropropene	8.11	75	118858	20.311	ug/l	100
37) Ethyl Acetate	7.30	43	43819	19.061	ug/l	97
38) Carbon Tetrachloride	8.09	117	128659	20.619	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 03 16:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141542	19.970	ug/l	98
40) Benzene	8.35	78	321879	20.149	ug/l	98
41) Methacrylonitrile	7.53	41	19720	14.784	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	94952	20.568	ug/l	100
43) Isopropyl Acetate	8.46	43	87812	19.190	ug/l	99
44) Trichloroethene	9.11	130	94887	20.219	ug/l	98
45) 1,2-Dichloropropane	9.39	63	79432	20.825	ug/l	99
46) Dibromomethane	9.48	93	44065	20.721	ug/l	97
47) Bromodichloromethane	9.66	83	115151	20.349	ug/l	94
48) Methyl methacrylate	9.46	41	41126	19.088	ug/l	93
49) 1,4-Dioxane	9.47	88	10093	411.608	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	219996	97.269	ug/l	100
52) Toluene	10.40	92	210998	20.132	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	105883	20.070	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	124210	19.967	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58090	20.269	ug/l	95
56) Ethyl methacrylate	10.66	69	68706	19.196	ug/l	95
57) 1,3-Dichloropropane	10.95	76	99479	20.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	134532	98.657	ug/l	99
59) 2-Hexanone	10.99	43	154203	100.452	ug/l	99
60) Dibromochloromethane	11.14	129	78460	19.797	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56399	19.952	ug/l	99
64) Tetrachloroethene	10.87	164	83083	20.398	ug/l	98
65) Chlorobenzene	11.67	112	223988	20.328	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	85307	20.536	ug/l	98
67) Ethyl Benzene	11.75	91	394635	19.732	ug/l	96
68) m/p-Xylenes	11.86	106	306205	39.666	ug/l	98
69) o-Xylene	12.18	106	135669	19.457	ug/l	98
70) Styrene	12.20	104	240871	19.681	ug/l	99
71) Bromoform	12.37	173	48524	20.484	ug/l #	97
73) Isopropylbenzene	12.48	105	380801	20.077	ug/l	99
74) N-amyl acetate	12.30	43	77772	19.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61594	20.672	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	81135	38.712	ug/l #	100
77) Bromobenzene	12.77	156	94687	20.317	ug/l	99
78) n-propylbenzene	12.83	91	448979	20.291	ug/l	99
79) 2-Chlorotoluene	12.91	91	240707	19.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	311896	20.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	20149	20.107	ug/l	99
82) 4-Chlorotoluene	13.01	91	259542	20.064	ug/l	99
83) tert-Butylbenzene	13.23	119	266414	19.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	311742	20.090	ug/l	100
85) sec-Butylbenzene	13.41	105	375327	20.238	ug/l	99
86) p-Isopropyltoluene	13.53	119	352450	19.875	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	177776	20.010	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	175026	20.054	ug/l	97
89) n-Butylbenzene	13.86	91	321335	20.122	ug/l	99
90) Hexachloroethane	14.12	117	67252	19.853	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	150922	19.922	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9739	20.163	ug/l	93

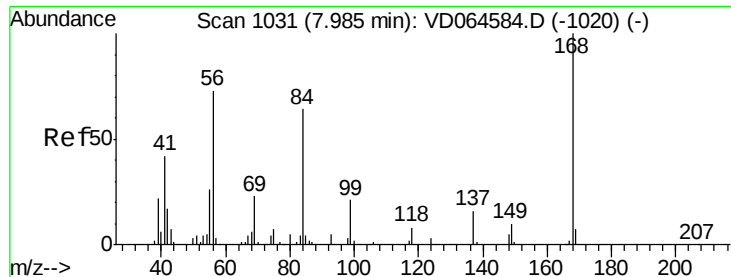
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010320\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106427	19.079	ug/l	99
94) Hexachlorobutadiene	15.28	225	67073	19.108	ug/l	95
95) Naphthalene	15.41	128	167566	18.988	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	93439	19.621	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

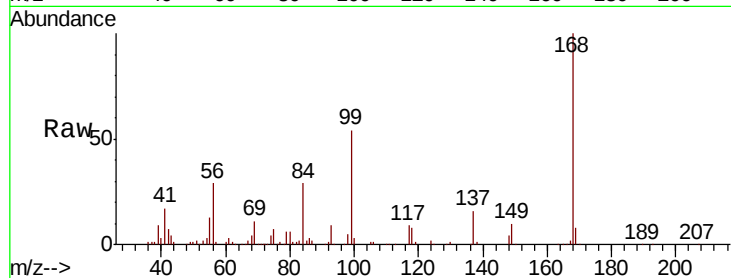
ClientSampleId :

Tot Ion:168 Resp: 418236

Ion Ratio Lower Upper

168 100

99 53.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

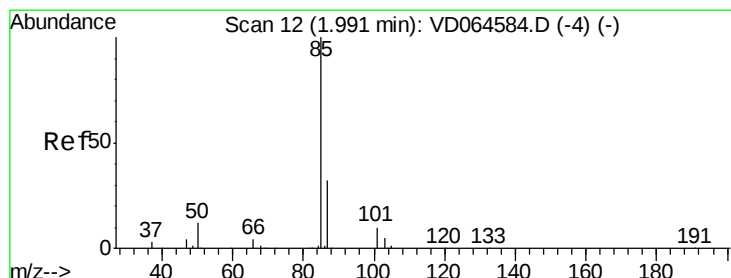
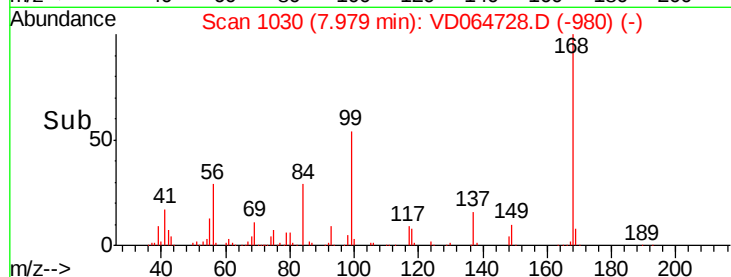
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.616 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064728.D

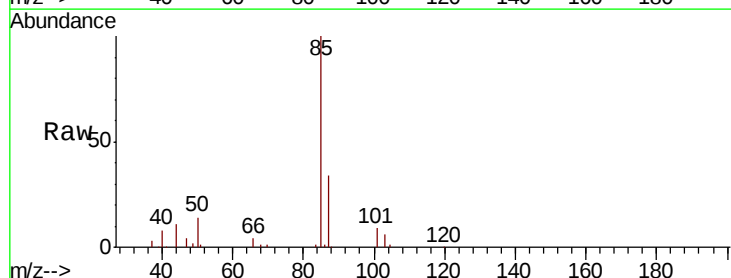
Acq: 03 Jan 2020 12:16

Tgt Ion: 85 Resp: 63759

Ion Ratio Lower Upper

85 100

87 34.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

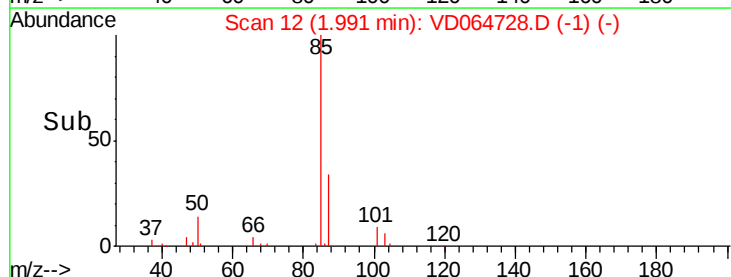
20000

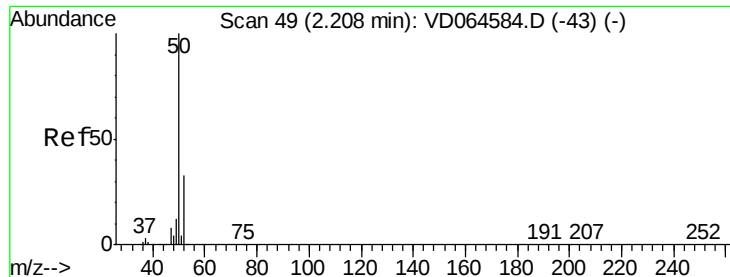
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.243 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

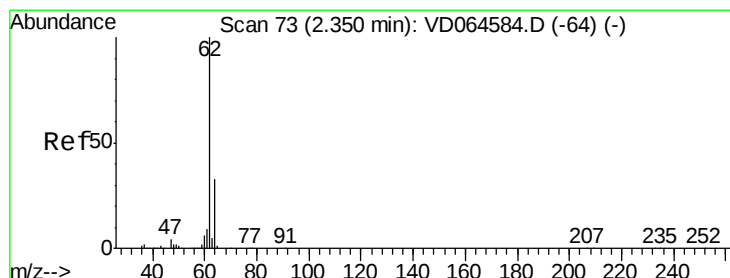
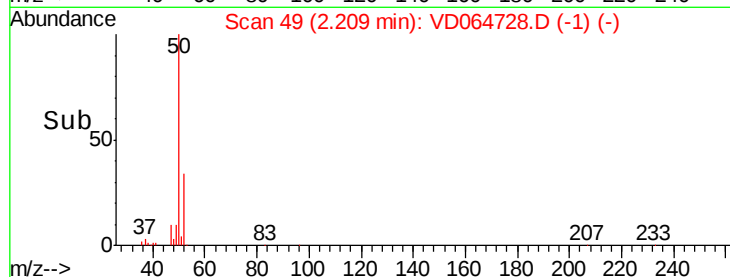
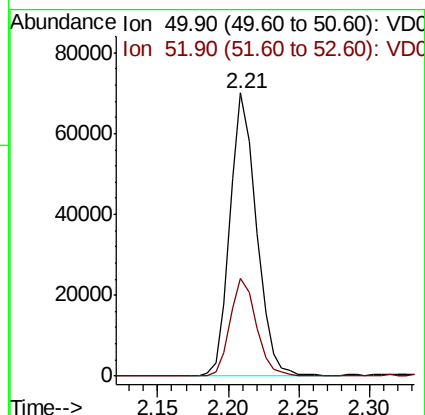
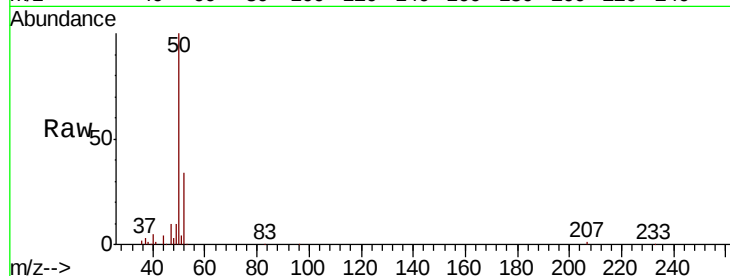
ClientSampled :

Tot Ion: 50 Resp: 92021

Ion Ratio Lower Upper

50 100

52 34.3 26.5 39.7



#4

Vinyl Chloride

Concen: 19.855 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064728.D

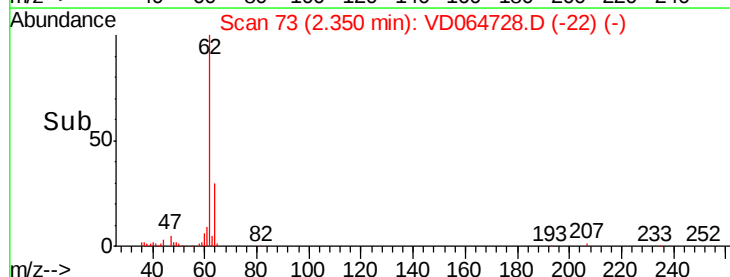
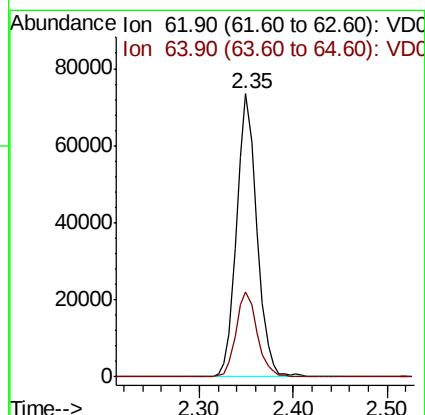
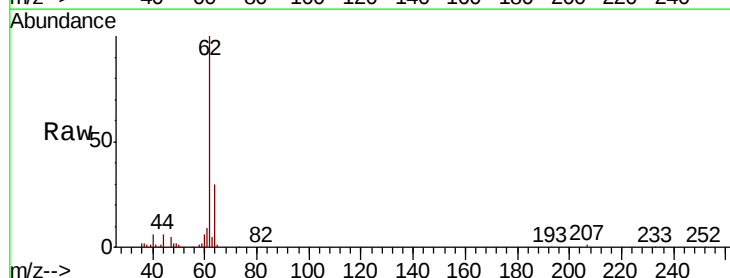
Acq: 03 Jan 2020 12:16

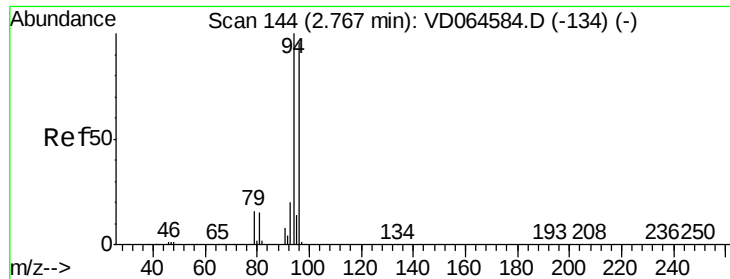
Tgt Ion: 62 Resp: 110044

Ion Ratio Lower Upper

62 100

64 29.9 26.6 40.0





#5

Bromomethane

Concen: 19.211 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

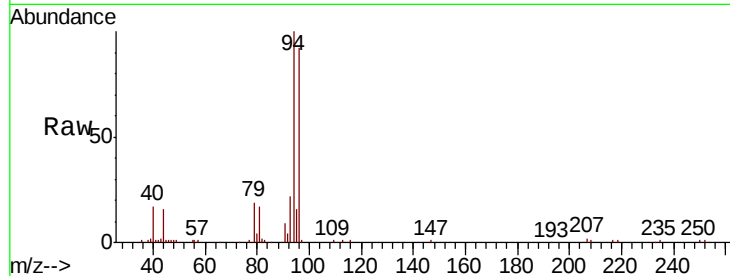
ClientSampleId :

Tot Ion: 94 Resp: 77421

Ion Ratio Lower Upper

94 100

96 91.1 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

30000

20000

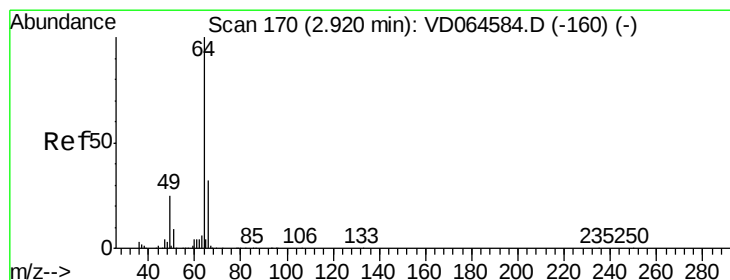
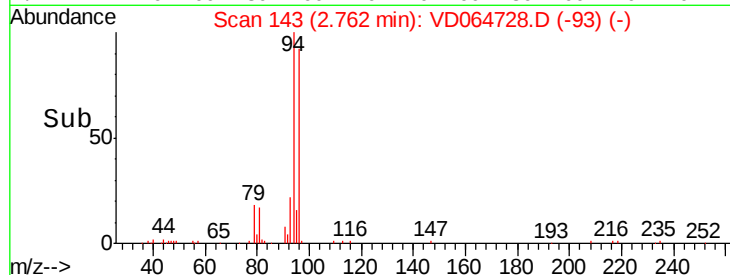
10000

0

Time-->

2.70

2.80



#6

Chloroethane

Concen: 20.545 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064728.D

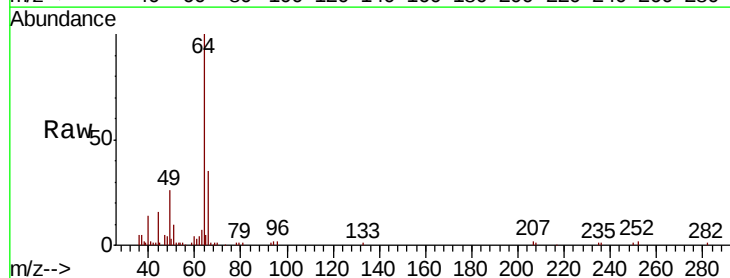
Acq: 03 Jan 2020 12:16

Tgt Ion: 64 Resp: 76298

Ion Ratio Lower Upper

64 100

66 34.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

20000

10000

0

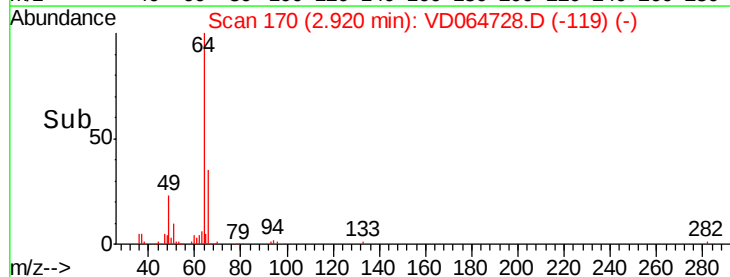
Time-->

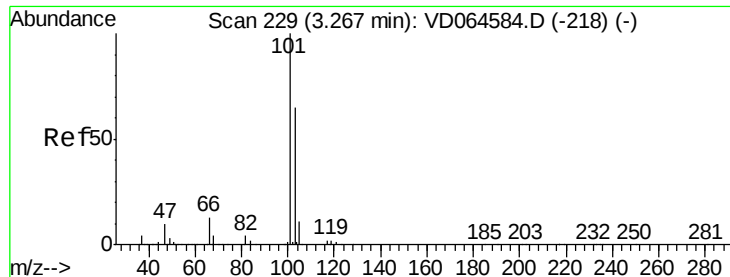
2.85

2.90

2.95

3.00



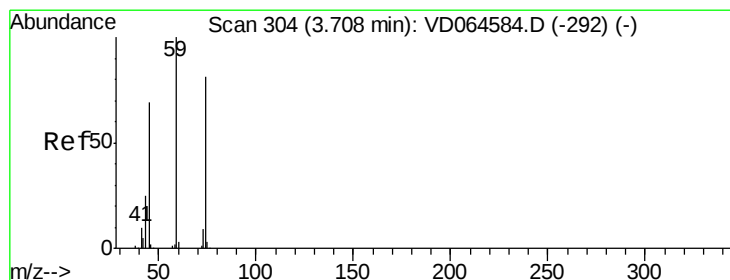
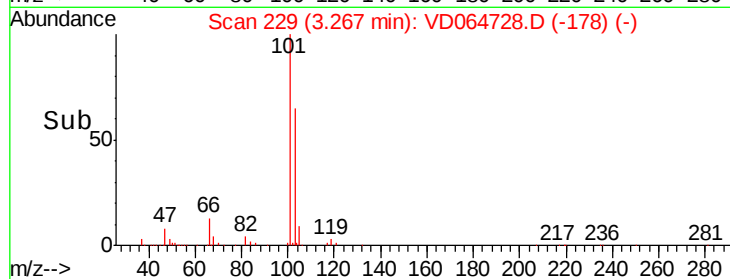
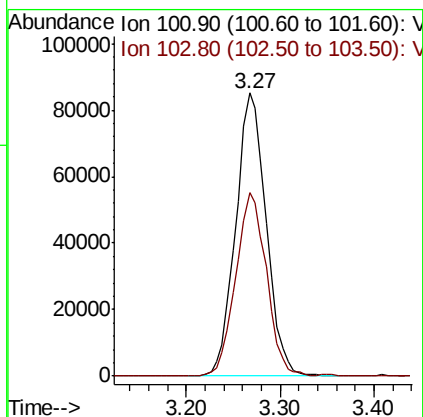
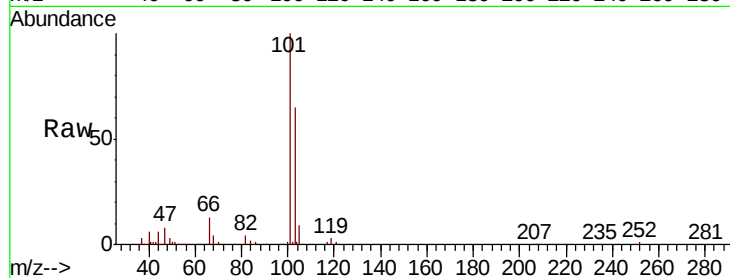


#7

Trichlorofluoromethane
 Concen: 20.531 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :

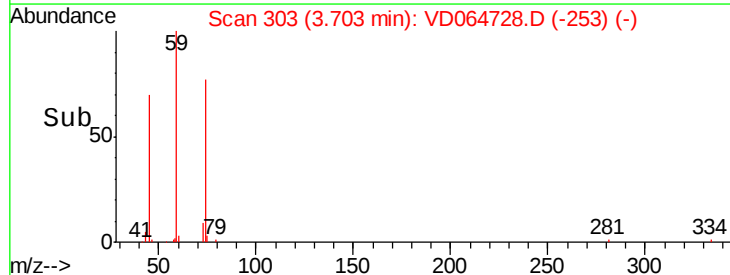
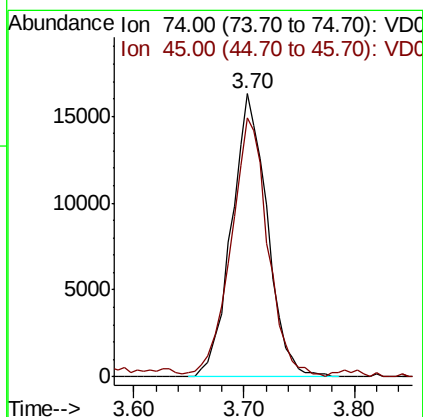
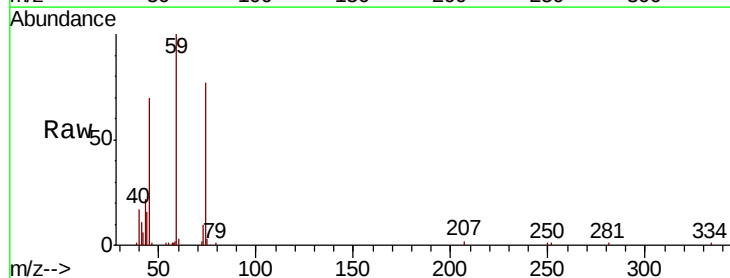
Tot Ion:101 Resp: 191601
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.4

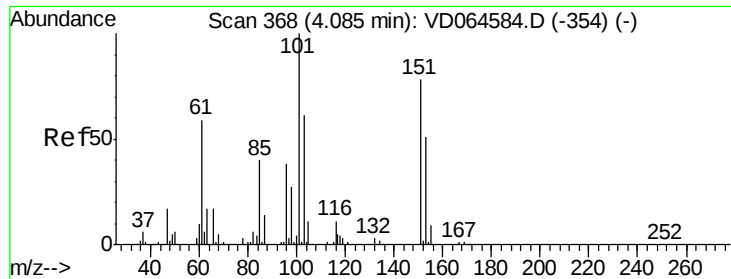


#8

Diethyl Ether
 Concen: 19.924 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 74 Resp: 36924
 Ion Ratio Lower Upper
 74 100
 45 94.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.662 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

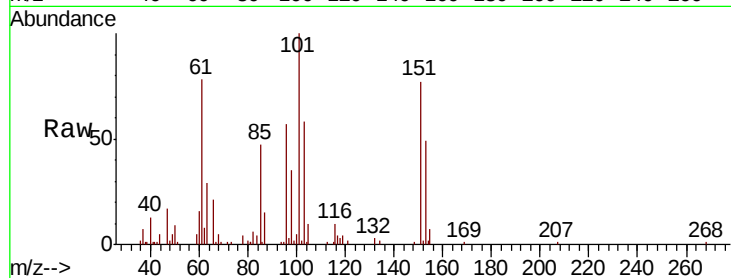
Tot Ion:101 Resp: 79858

Ion Ratio Lower Upper

101 100

85 45.2 35.2 52.8

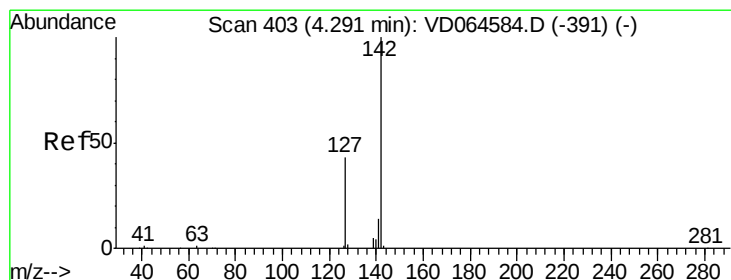
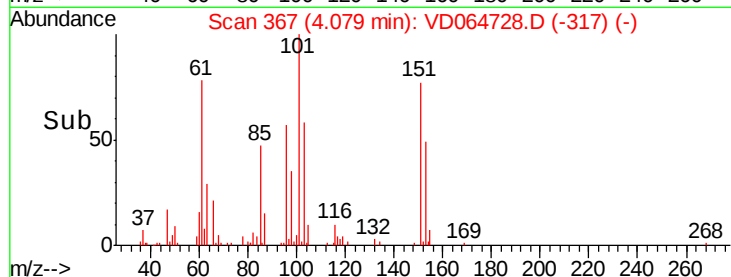
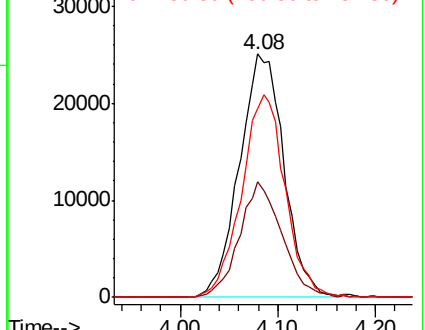
151 81.5 66.2 99.4



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: 18.292 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

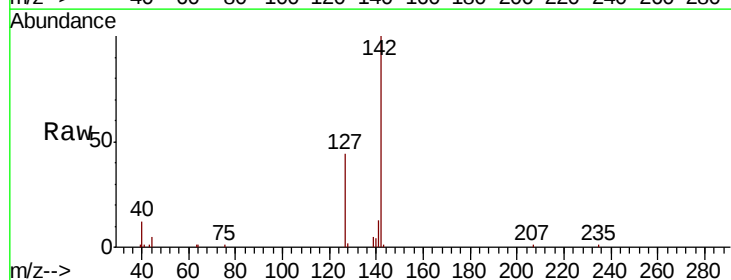
Tgt Ion:142 Resp: 75941

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.4

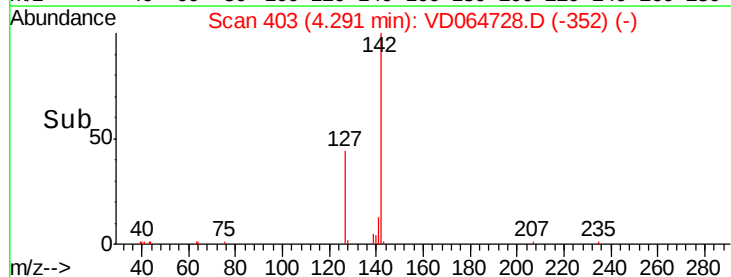
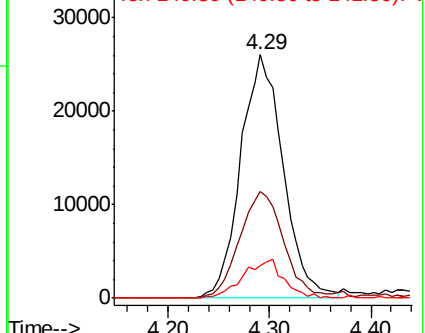
141 14.9 11.8 17.8

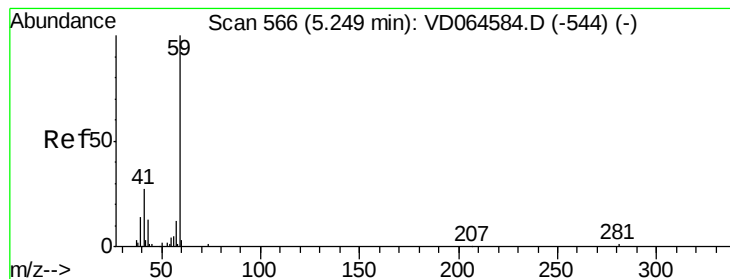


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



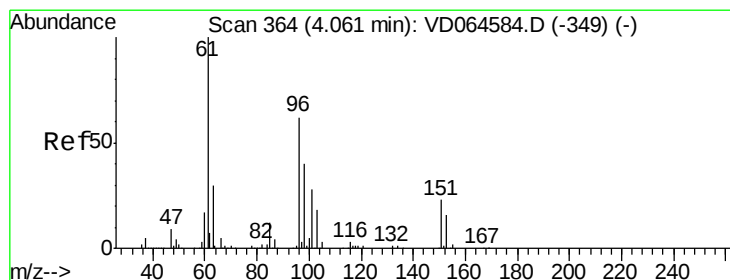
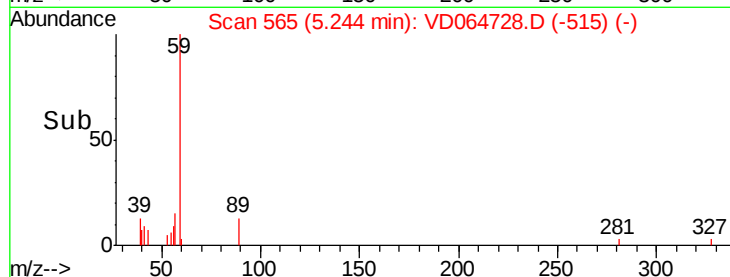
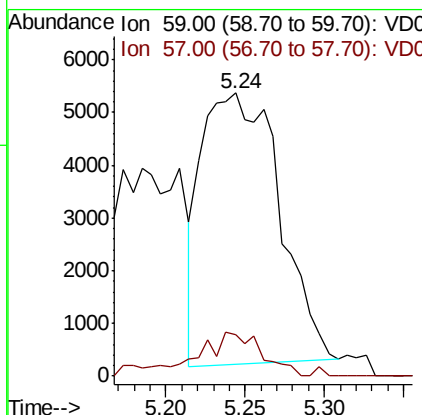
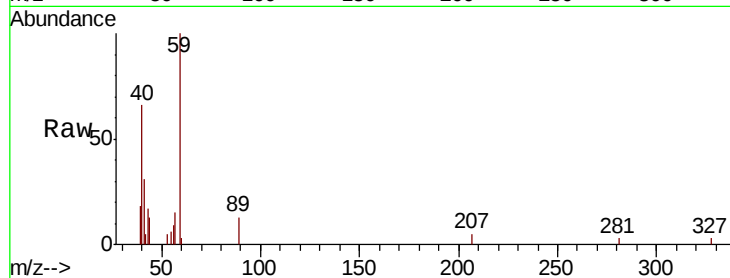


#11

Tert butyl alcohol
 Concen: 82.973 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampled :

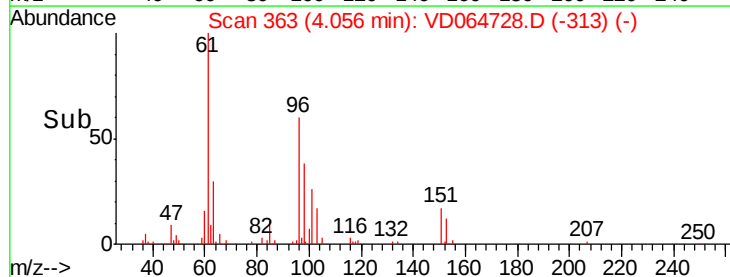
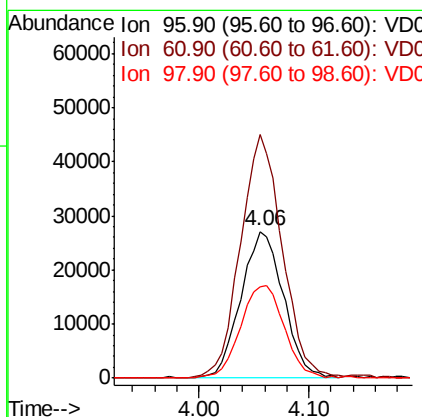
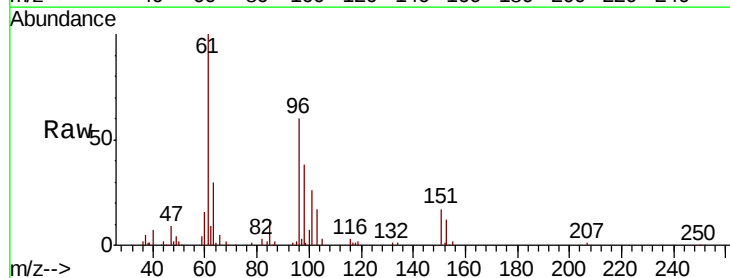
Tot Ion: 59 Resp: 17537
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.3 13.9

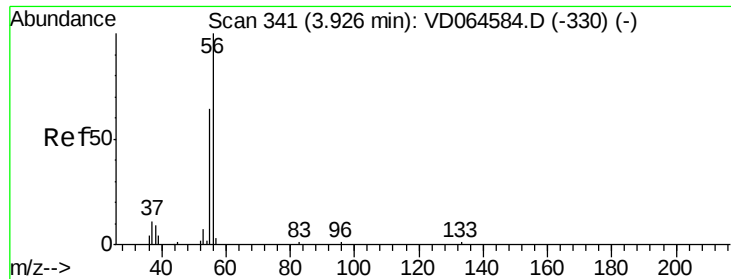


#12

1,1-Dichloroethene
 Concen: 19.935 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 96 Resp: 73351
 Ion Ratio Lower Upper
 96 100
 61 166.3 129.4 194.0
 98 62.5 51.4 77.0





#13

Acrolein

Concen: 81.949 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

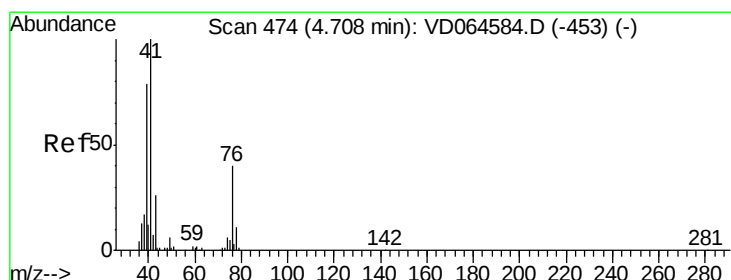
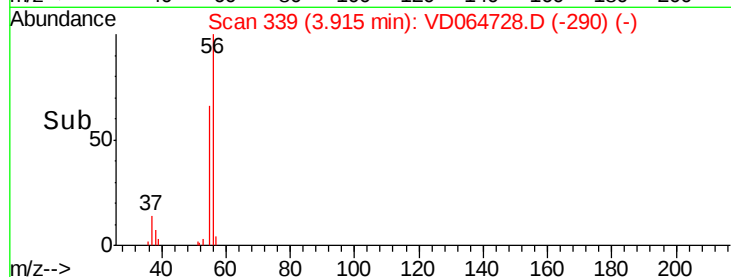
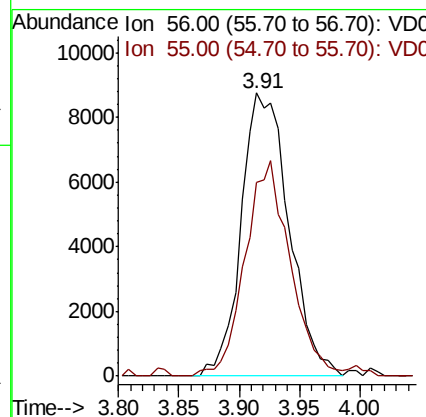
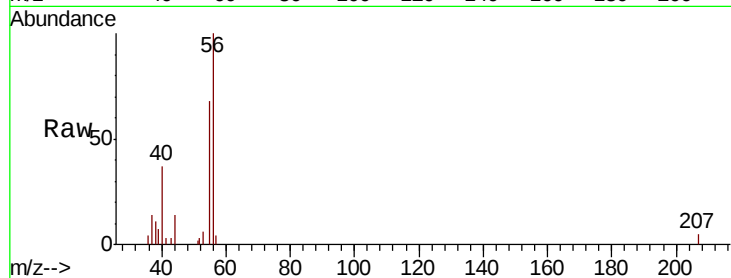
ClientSampleId :

Tot Ion: 56 Resp: 24139

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Allyl chloride

Concen: 20.531 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

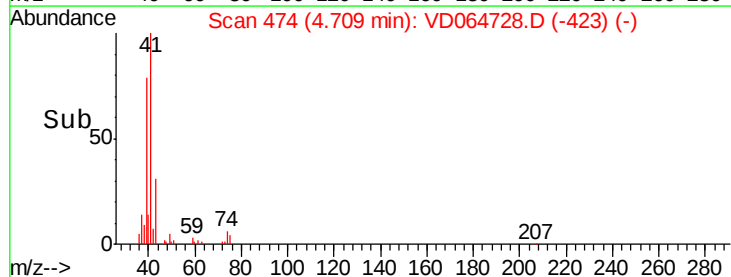
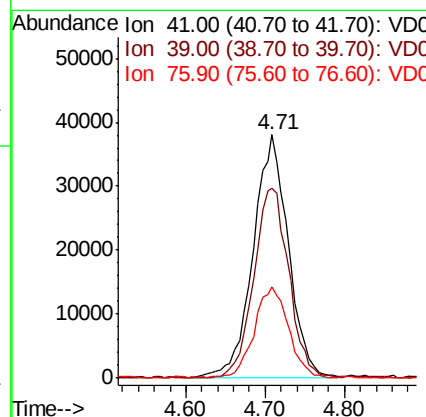
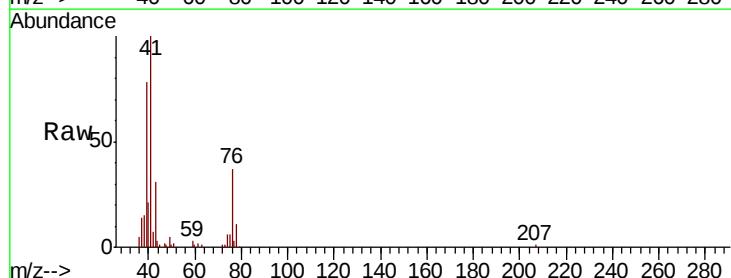
Tgt Ion: 41 Resp: 117788

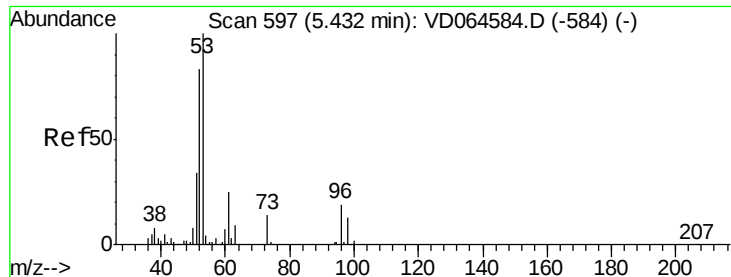
Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

76 36.6 29.7 44.5





#15

Acrylonitrile

Concen: 99.570 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

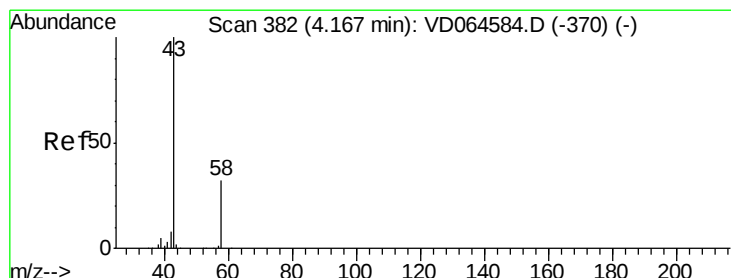
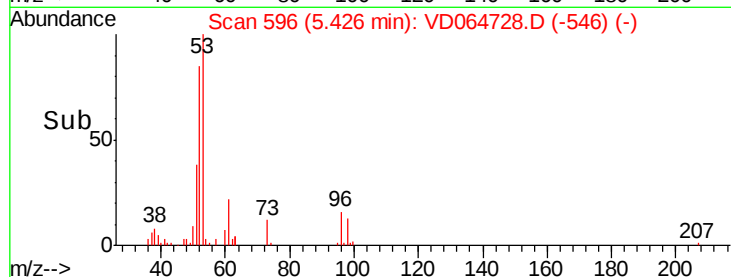
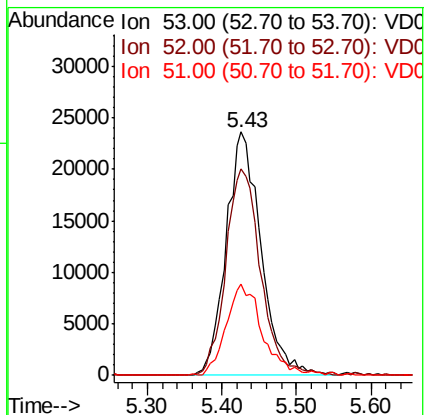
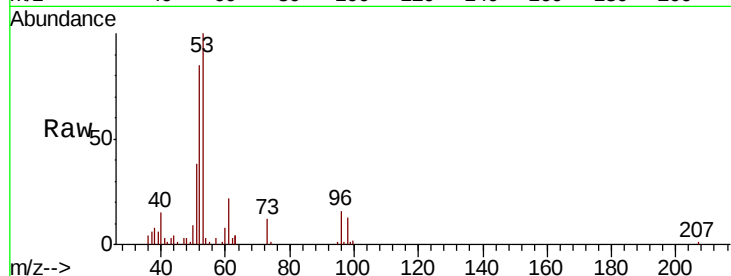
Tot Ion: 53 Resp: 76860

Ion Ratio Lower Upper

53 100

52 84.6 66.2 99.2

51 38.3 30.1 45.1



#16

Acetone

Concen: 99.229 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064728.D

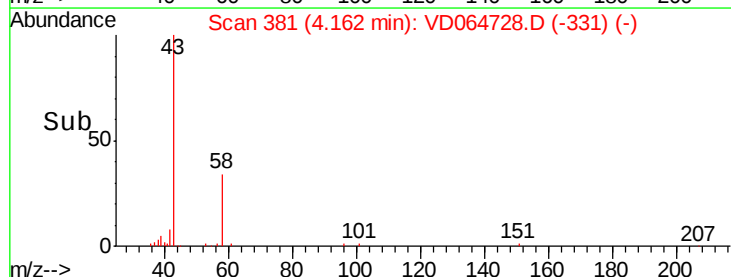
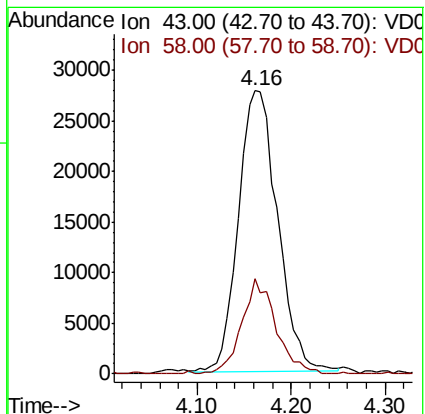
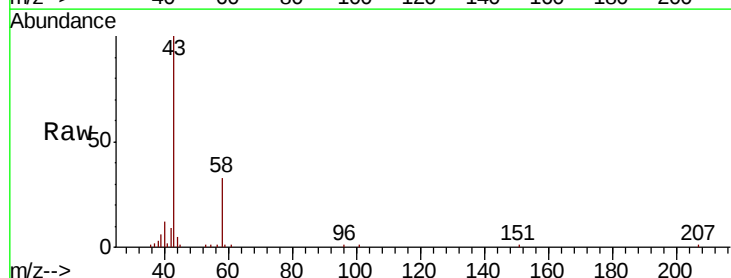
Acq: 03 Jan 2020 12:16

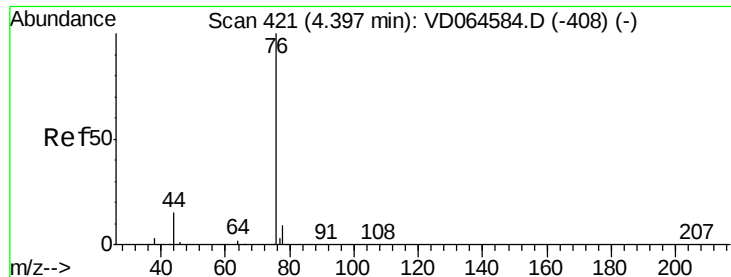
Tgt Ion: 43 Resp: 80615

Ion Ratio Lower Upper

43 100

58 33.7 25.8 38.6

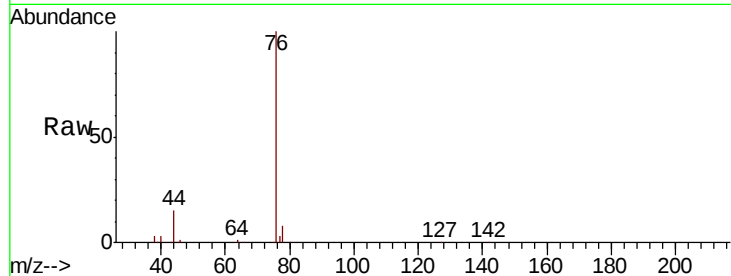




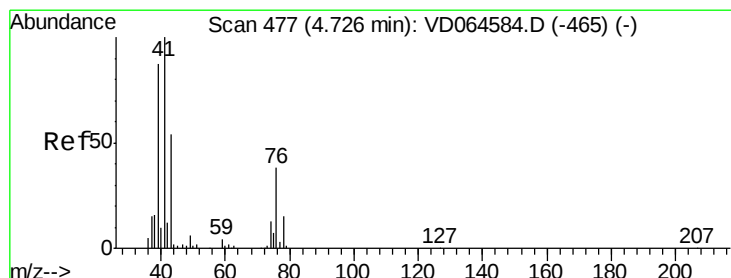
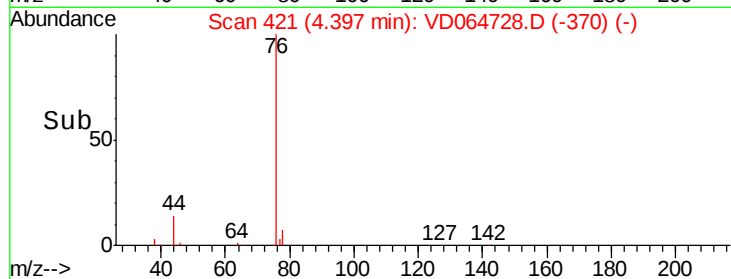
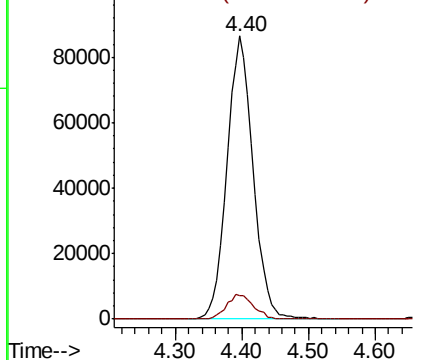
#17
Carbon Disulfide
Concen: 19.919 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 236994
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9

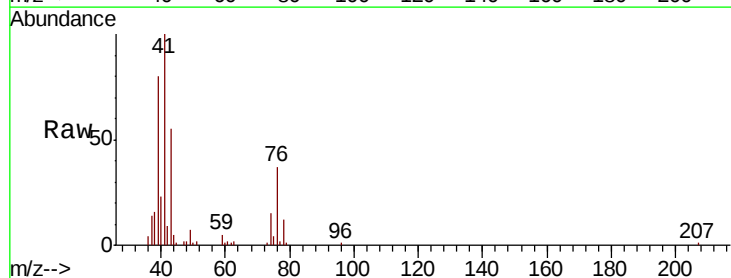


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

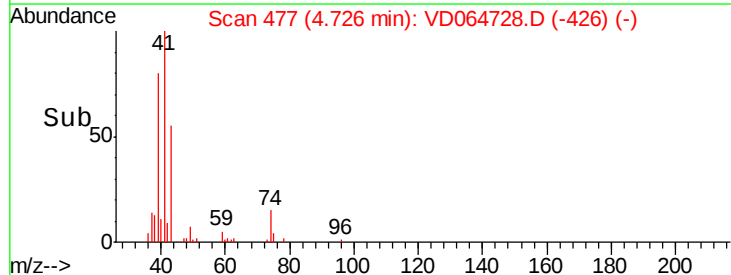
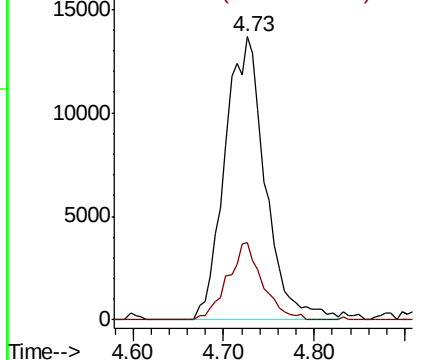


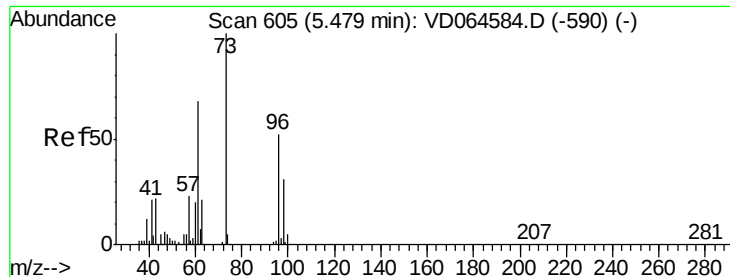
#18
Methyl Acetate
Concen: 20.366 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 43 Resp: 42285
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



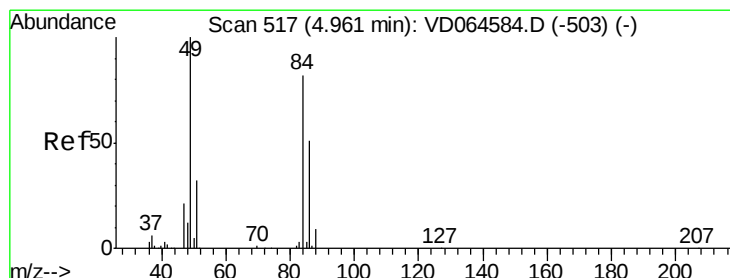
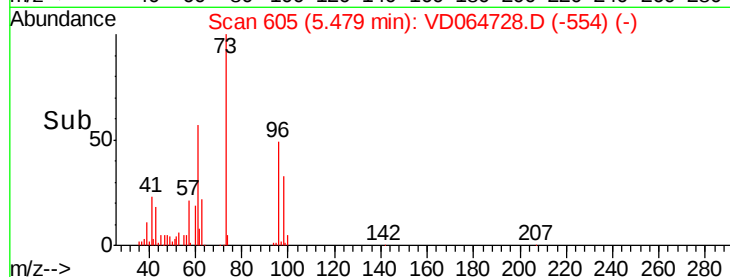
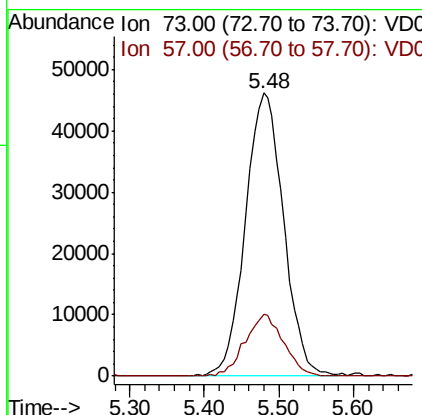
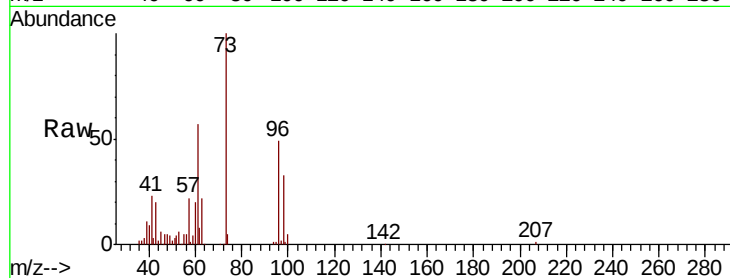


#19

Methyl tert-butyl Ether
 Concen: 20.048 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :

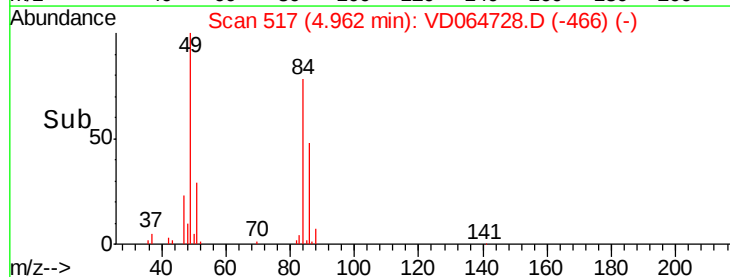
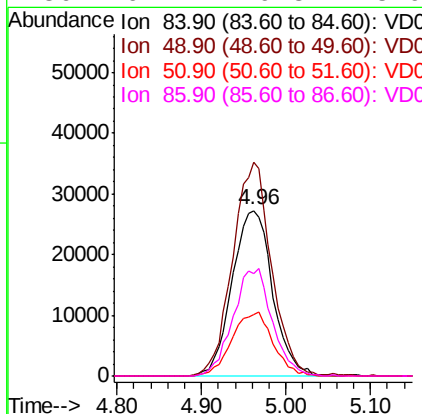
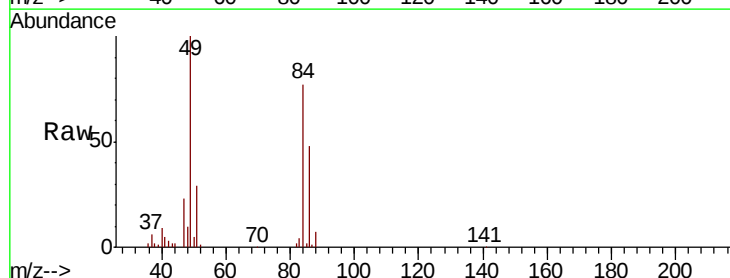
Tot Ion: 73 Resp: 163853
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.6 27.8

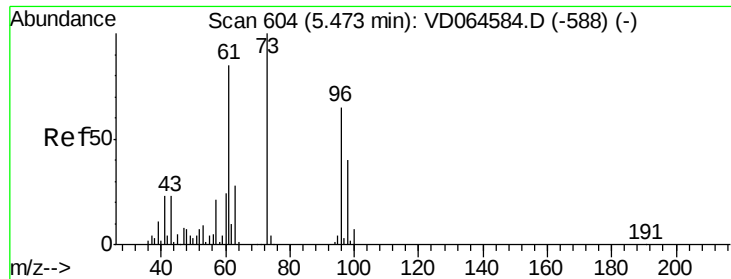


#20

Methylene Chloride
 Concen: 21.091 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 84 Resp: 90207
 Ion Ratio Lower Upper
 84 100
 49 129.2 97.2 145.8
 51 37.3 31.4 47.0
 86 62.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.728 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

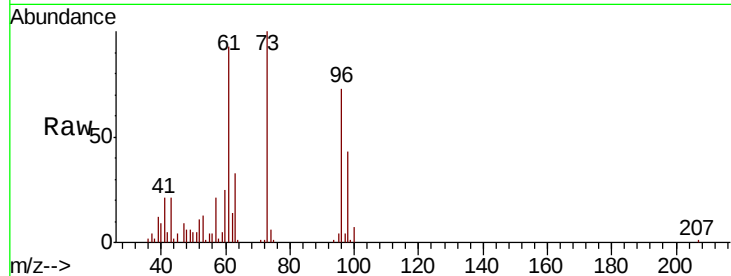
Tot Ion: 96 Resp: 86859

Ion Ratio Lower Upper

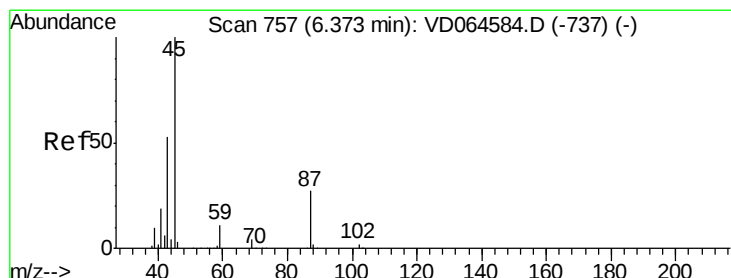
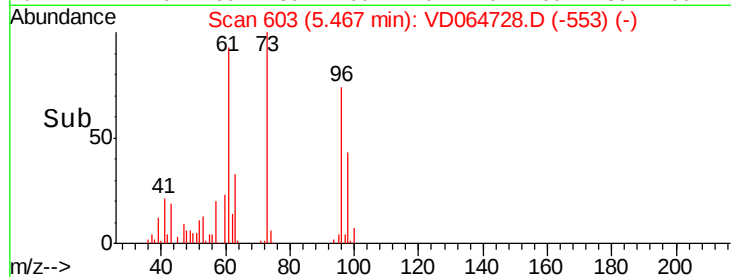
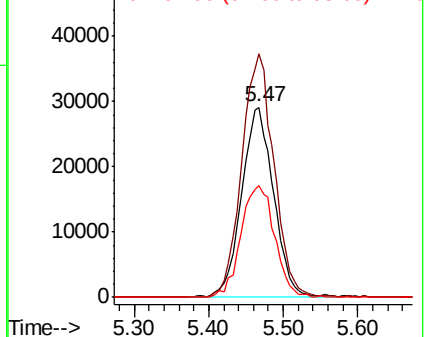
96 100

61 127.9 104.7 157.1

98 58.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 20.404 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Tgt Ion: 45 Resp: 233474

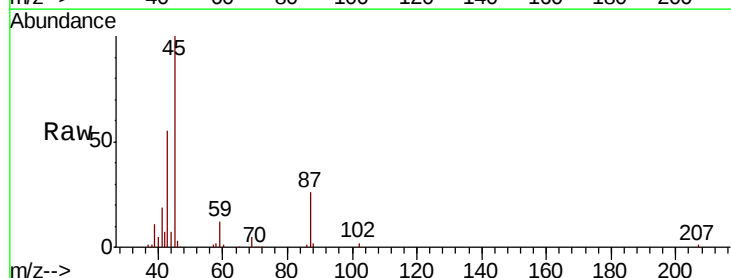
Ion Ratio Lower Upper

45 100

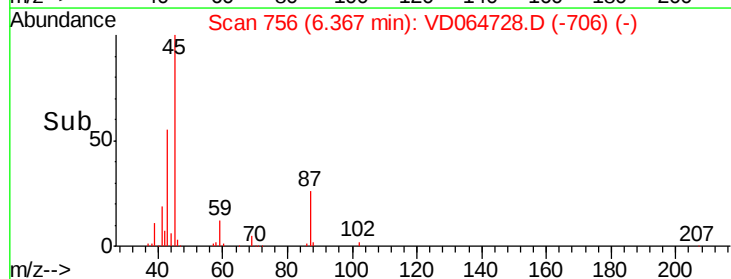
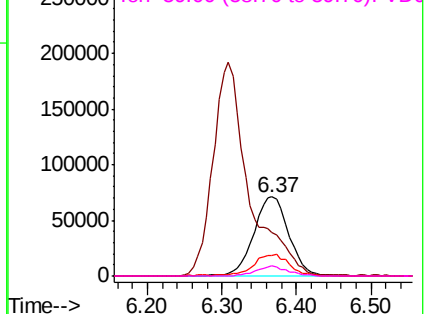
43 54.0 43.2 64.8

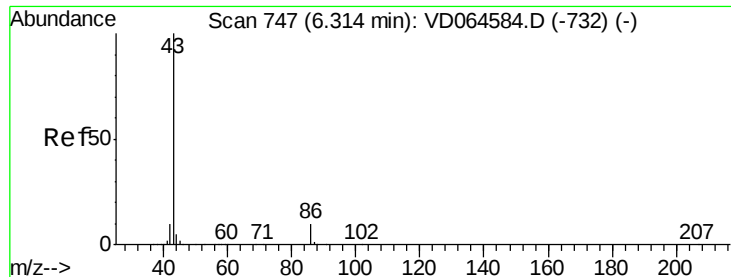
87 25.7 21.9 32.9

59 12.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 99.456 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

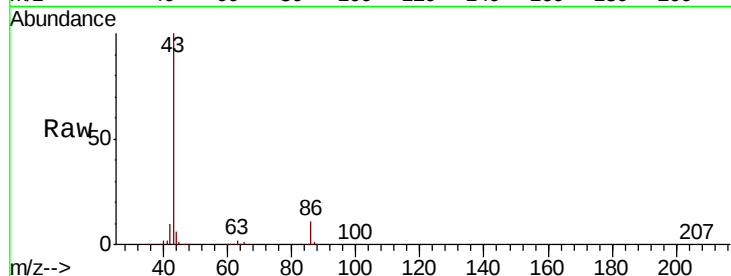
ClientSampled :

Tot Ion: 43 Resp: 645574

Ion Ratio Lower Upper

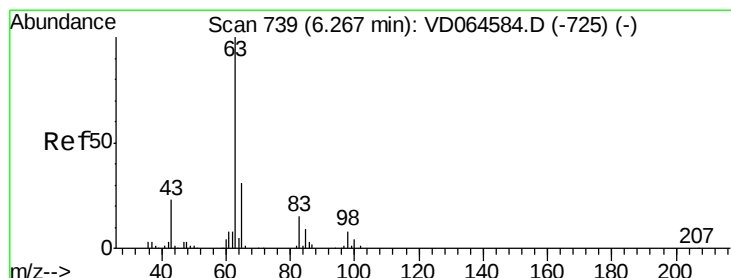
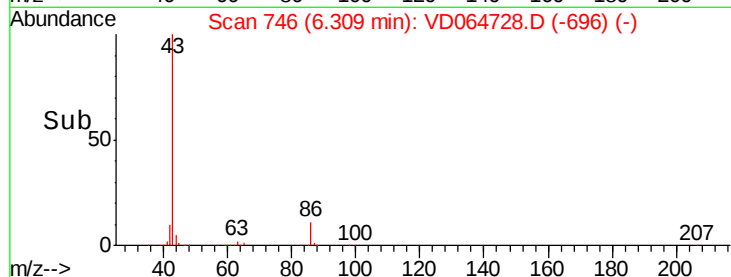
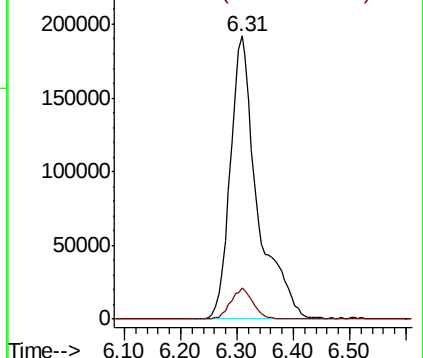
43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.542 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

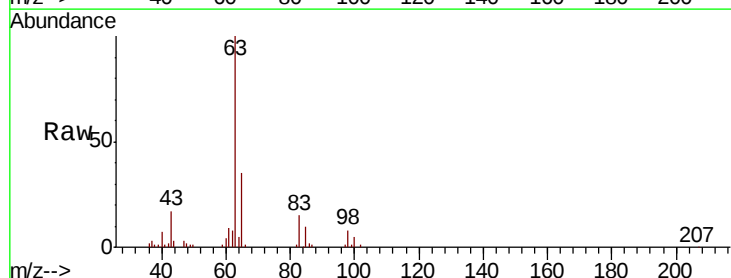
Tgt Ion: 63 Resp: 141110

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

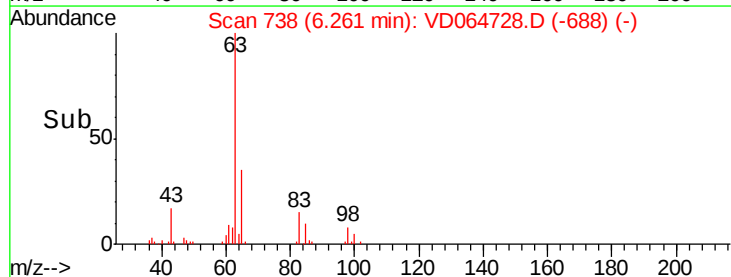
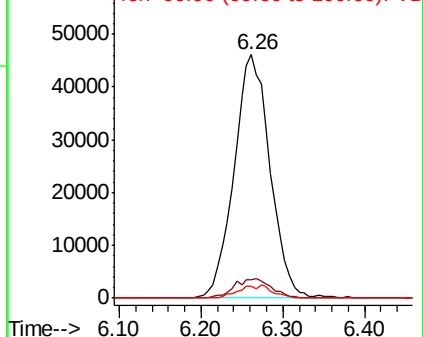
100 4.9 2.2 6.6

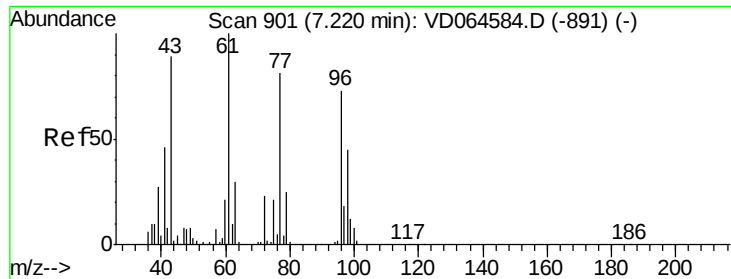


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.417 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

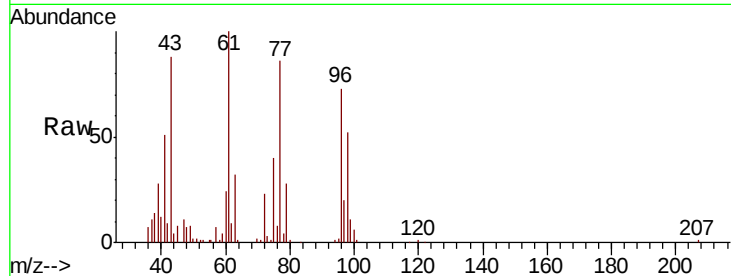
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 99768

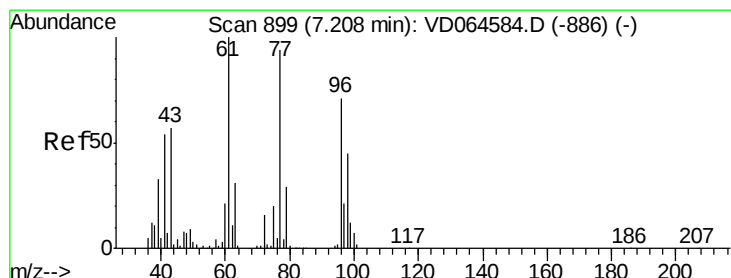
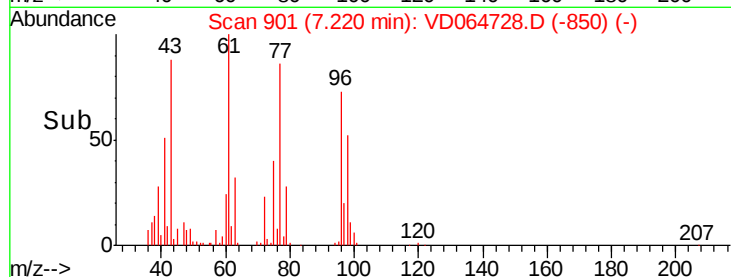
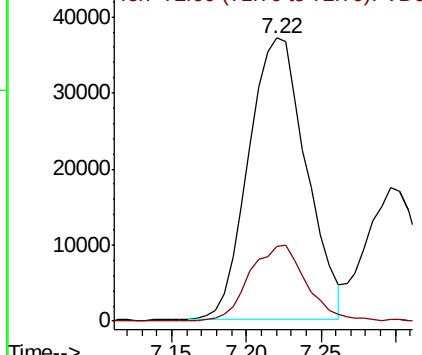
Ion Ratio Lower Upper

43 100

72 26.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.669 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064728.D

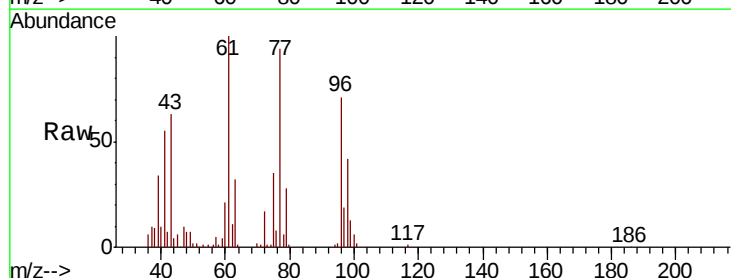
Acq: 03 Jan 2020 12:16

Tgt Ion: 77 Resp: 132014

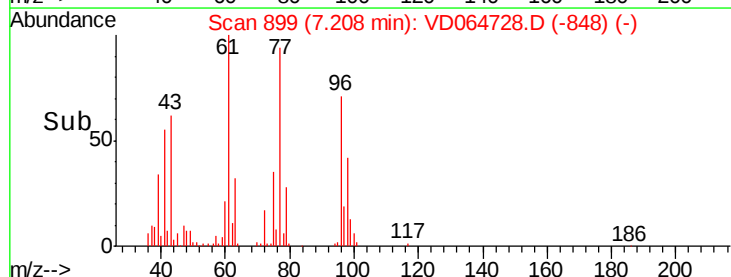
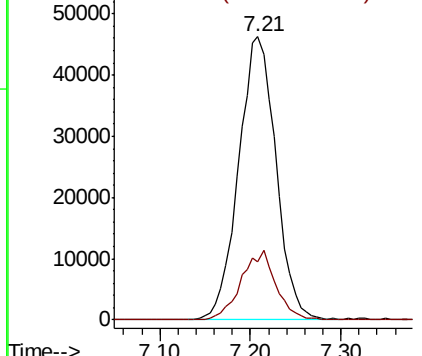
Ion Ratio Lower Upper

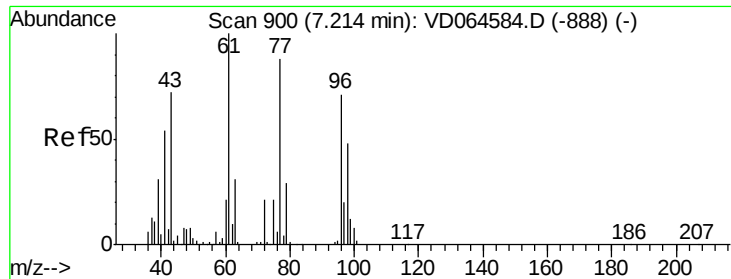
77 100

97 22.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



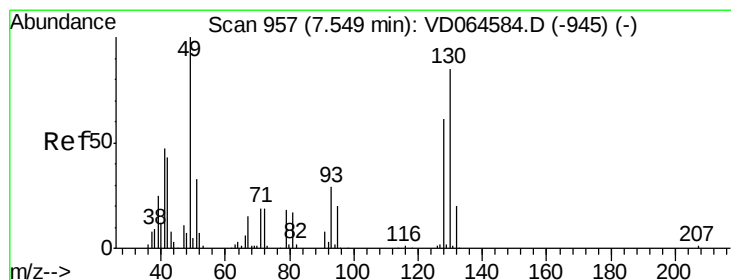
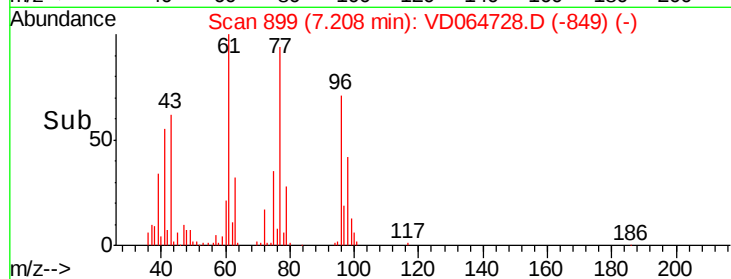
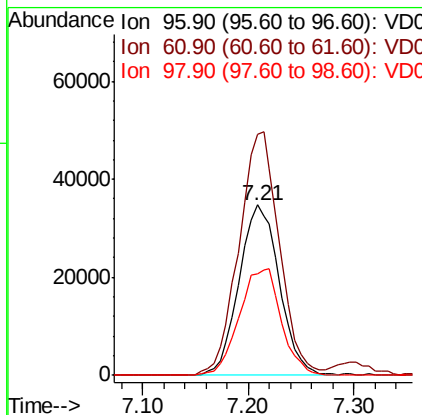
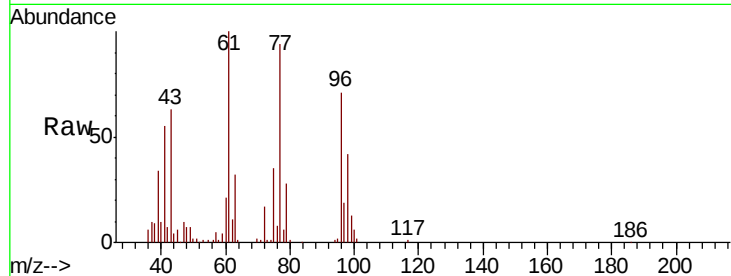


#27

cis-1,2-Dichloroethene
Concen: 20.360 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

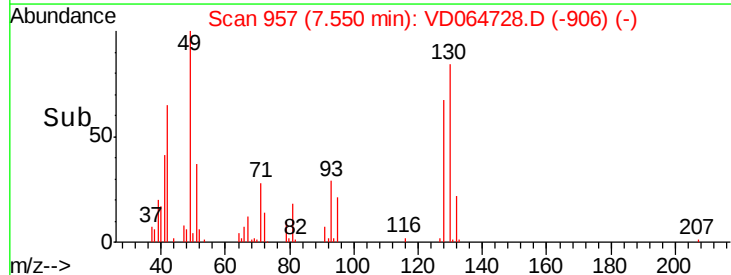
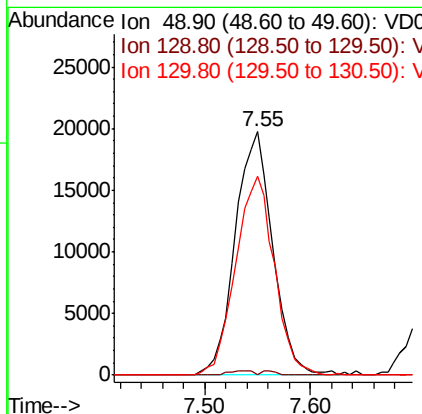
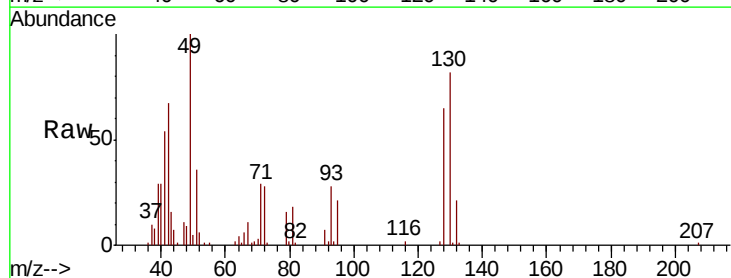
Tot Ion: 96 Resp: 92079
Ion Ratio Lower Upper
96 100
61 143.5 0.0 282.6
98 65.0 0.0 130.8

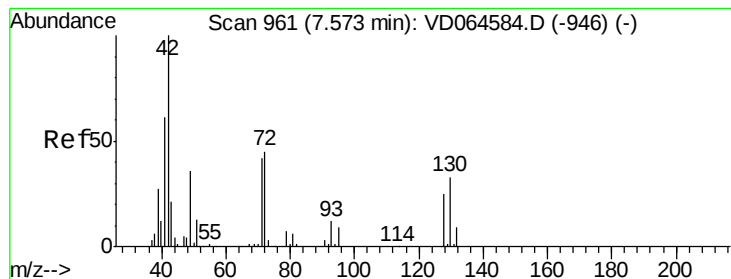


#28

Bromochloromethane
Concen: 18.163 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 49 Resp: 48503
Ion Ratio Lower Upper
49 100
129 0.7 0.0 4.8
130 84.2 65.0 97.6





#29

Tetrahydrofuran

Concen: 96.530 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampled :

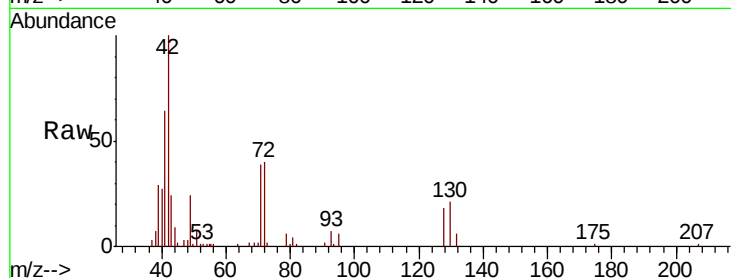
Tot Ion: 42 Resp: 60854

Ion Ratio Lower Upper

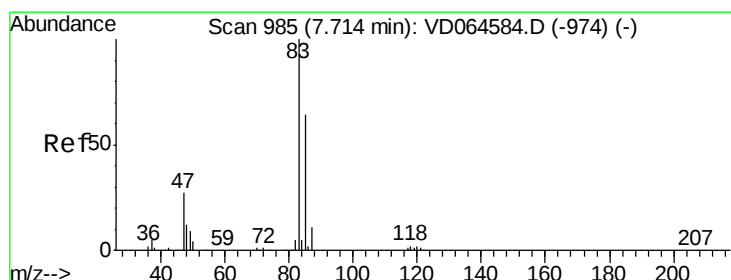
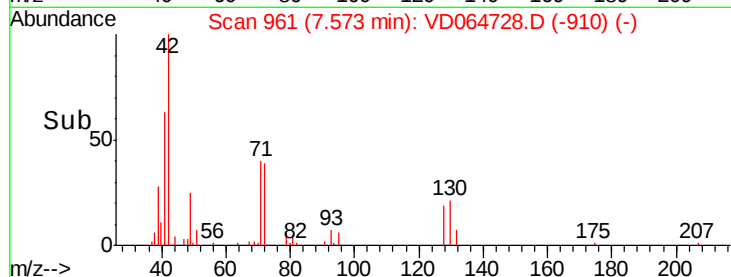
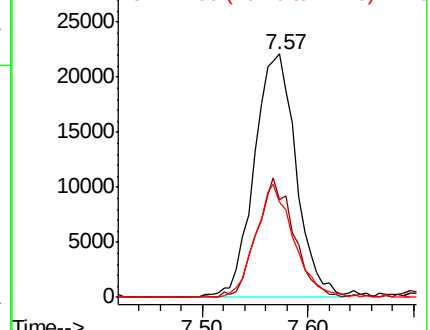
42 100

72 43.5 35.0 52.4

71 42.3 32.9 49.3



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: 20.578 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064728.D

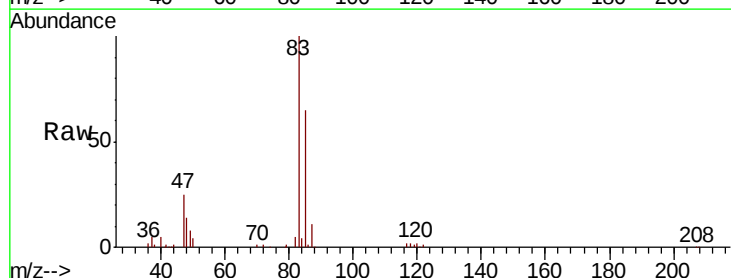
Acq: 03 Jan 2020 12:16

Tgt Ion: 83 Resp: 148310

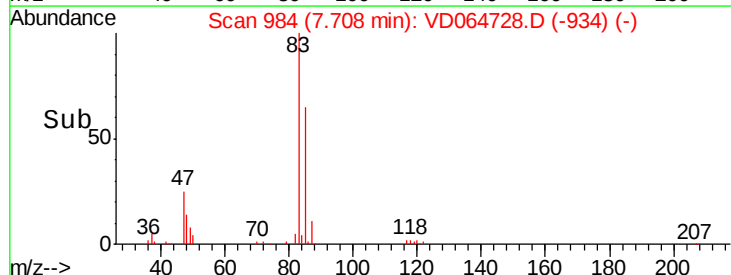
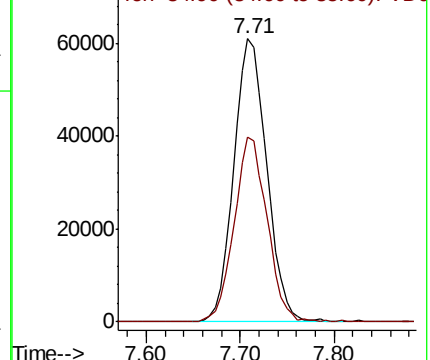
Ion Ratio Lower Upper

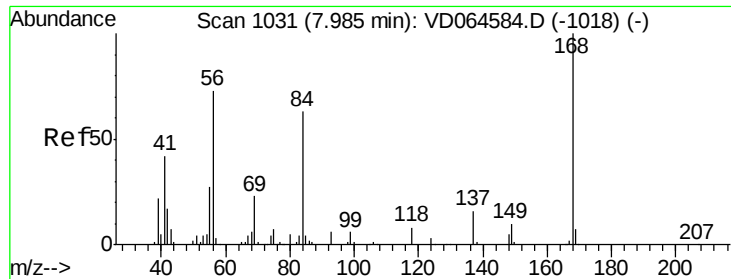
83 100

85 65.2 51.1 76.7



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

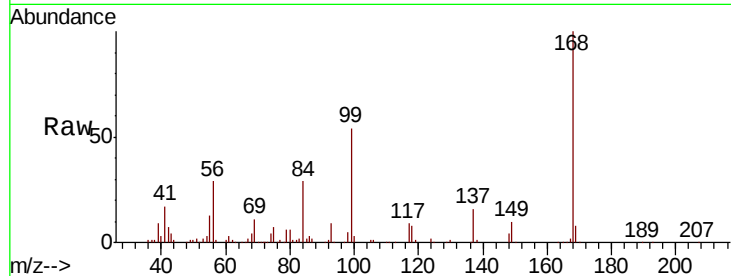




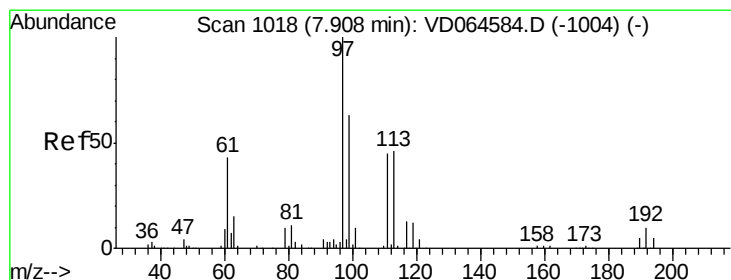
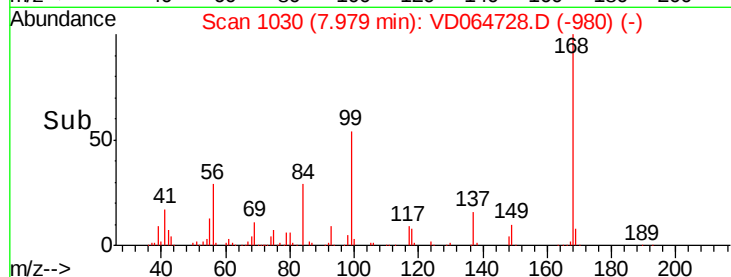
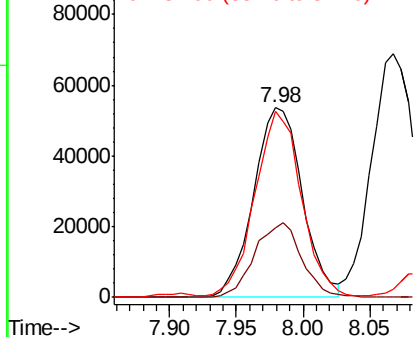
#31
Cyclohexane
Concen: 19.766 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 135920
Ion Ratio Lower Upper
56 100
69 36.4 24.7 37.1
84 96.9 69.4 104.2

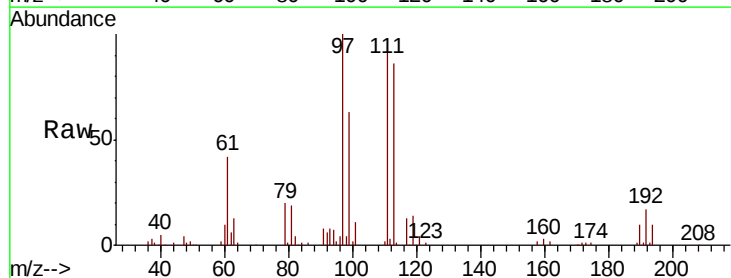


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

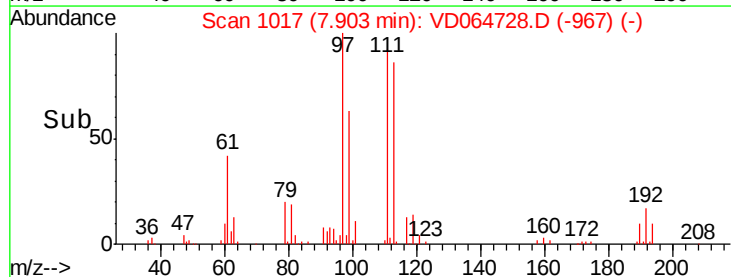
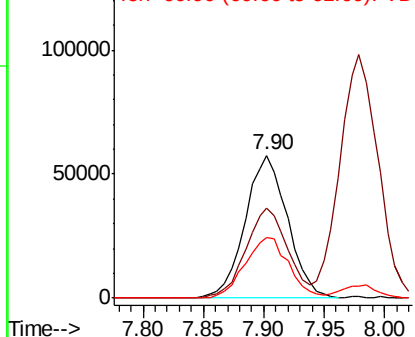


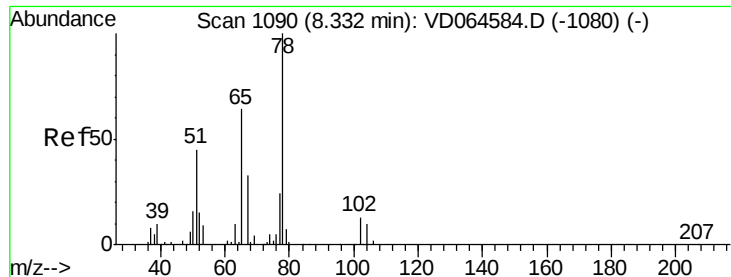
#32
1,1,1-Trichloroethane
Concen: 20.772 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 97 Resp: 140617
Ion Ratio Lower Upper
97 100
99 62.3 51.0 76.6
61 43.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

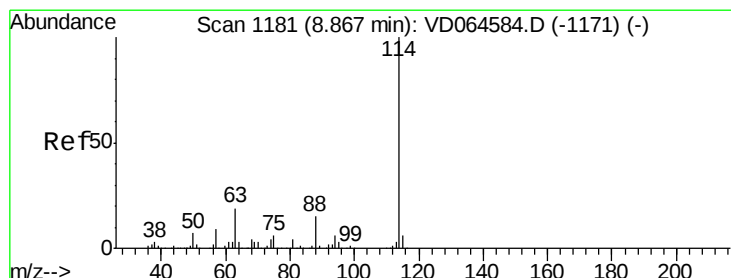
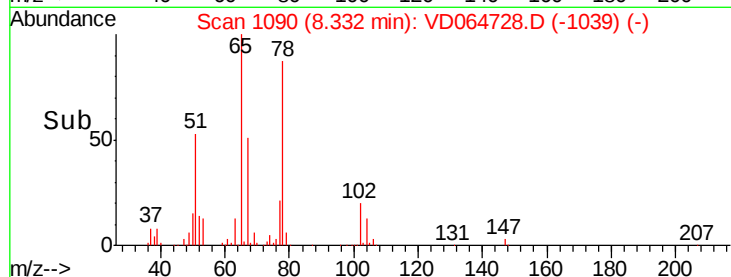
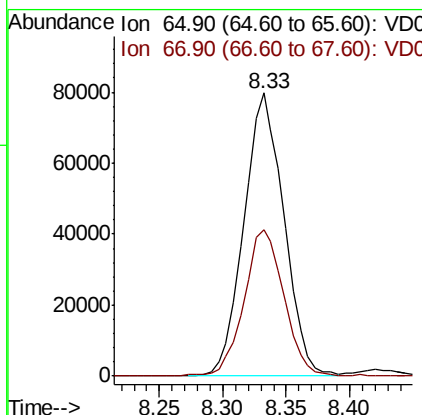
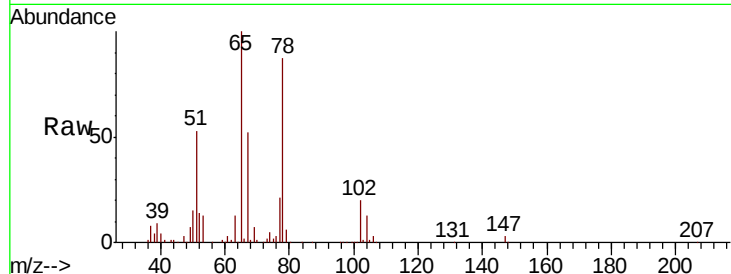




#33
 1,2-Dichloroethane-d4
 Concen: 47.410 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

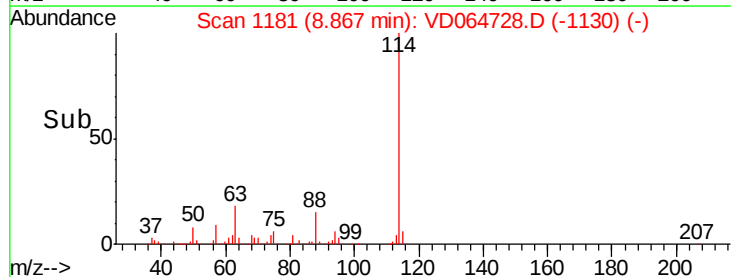
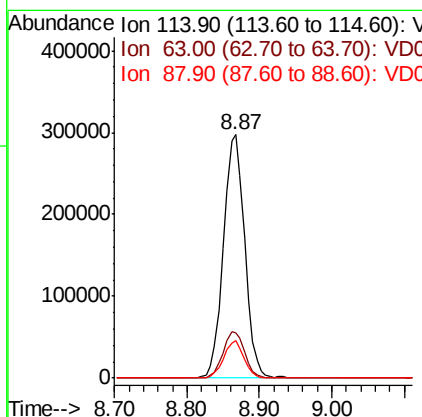
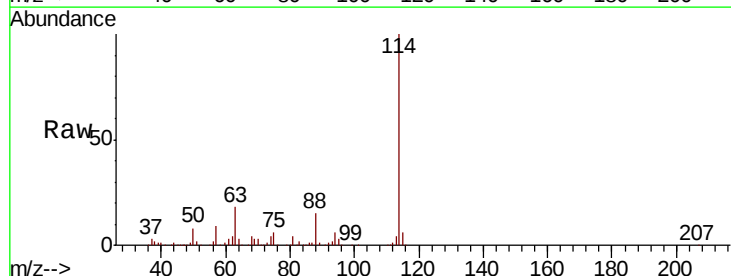
Instrument :
 MSVOA_D
 ClientSampleId :

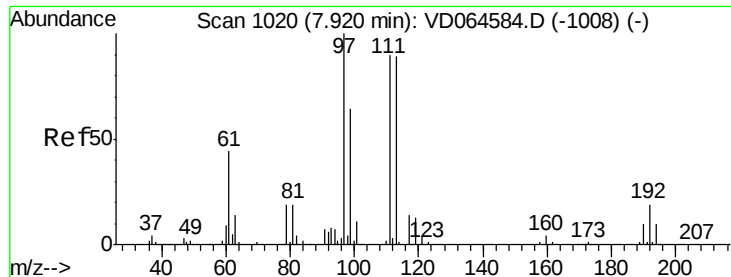
Tot Ion: 65 Resp: 174847
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 114 Resp: 607993
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.0
 88 15.2 0.0 29.2

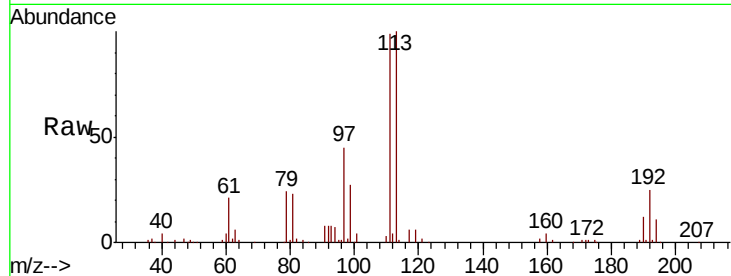




#35
 Dibromofluoromethane
 Concen: 46.757 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.6	121.0
192	22.8	17.9	26.9

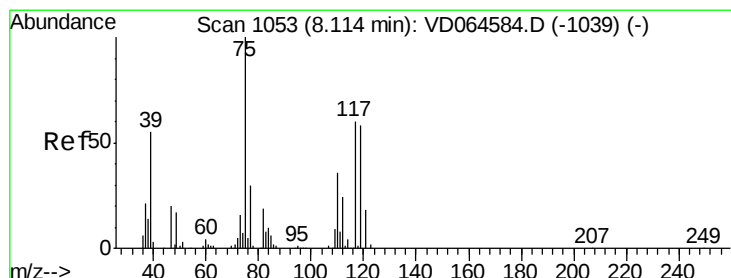
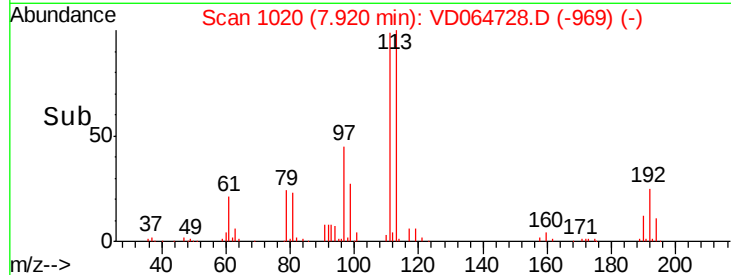
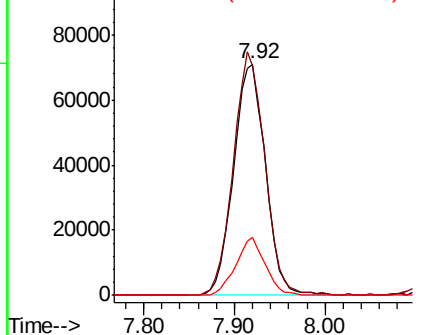


Abundance

Ion 112.80 (112.50 to 113.50): V

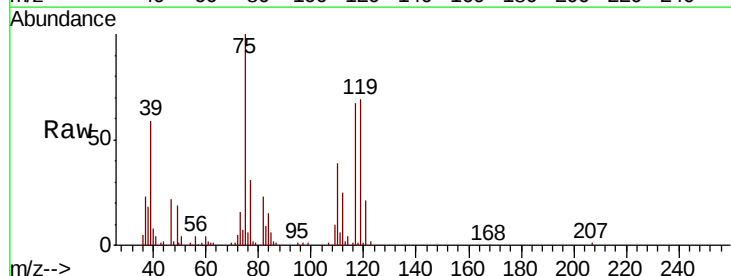
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 20.311 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	30.8	24.2	36.4

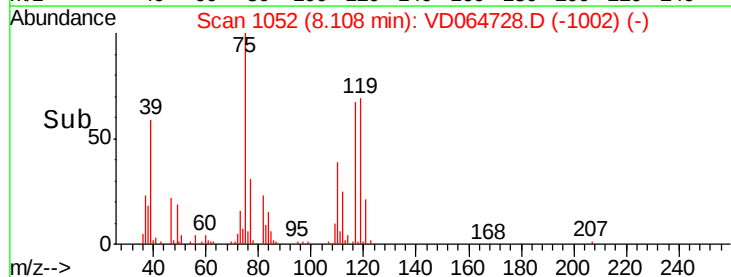
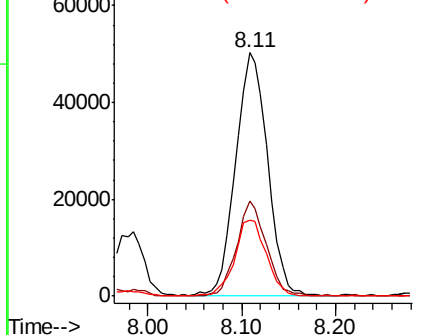


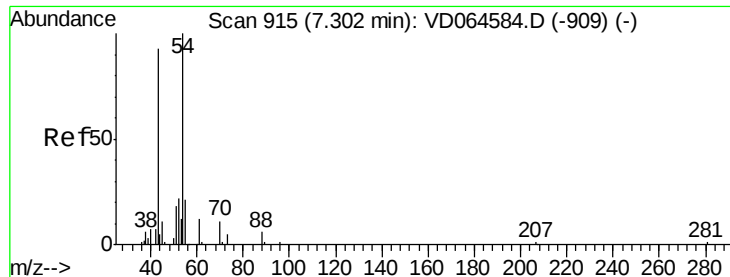
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

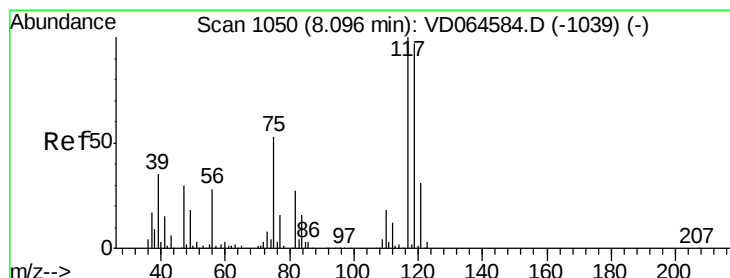
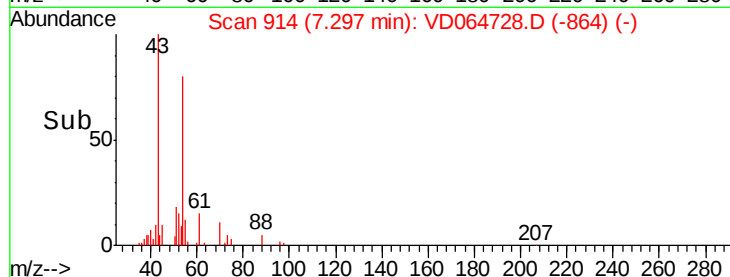
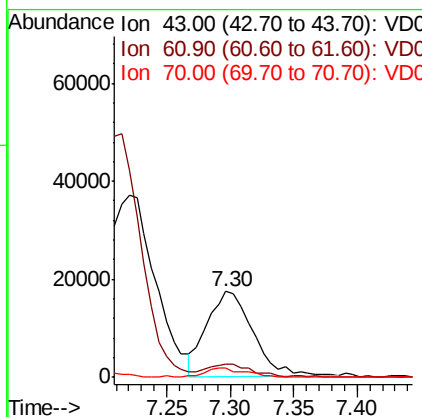
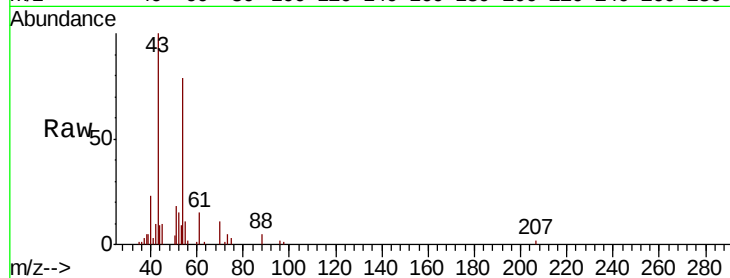




#37
Ethyl Acetate
Concen: 19.061 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

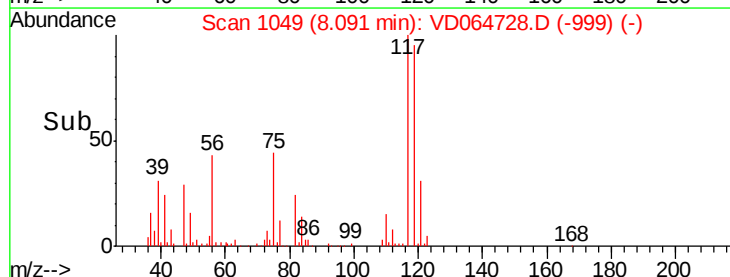
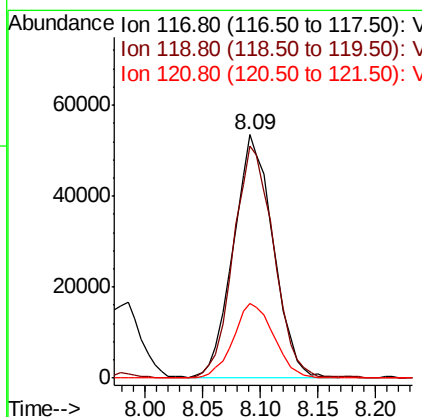
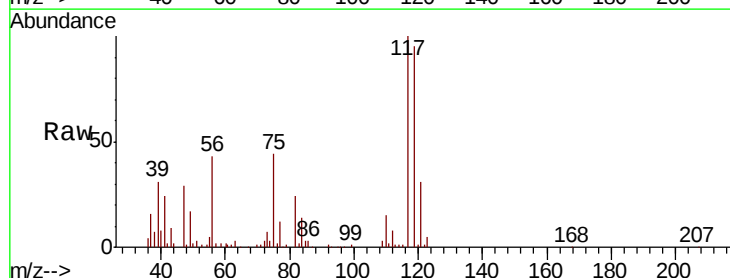
Instrument :
MSVOA_D
ClientSampleId :

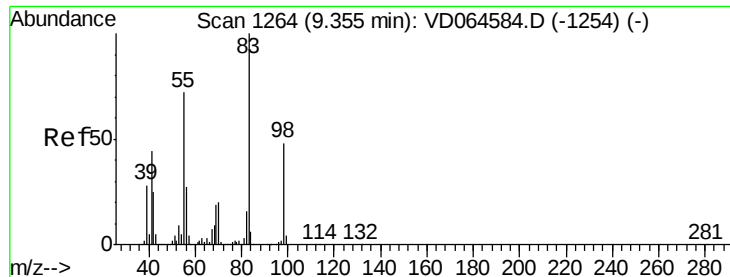
Tot Ion: 43 Resp: 43819
Ion Ratio Lower Upper
43 100
61 14.9 10.3 15.5
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.619 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 117 Resp: 128659
Ion Ratio Lower Upper
117 100
119 95.5 77.3 115.9
121 30.5 25.0 37.6

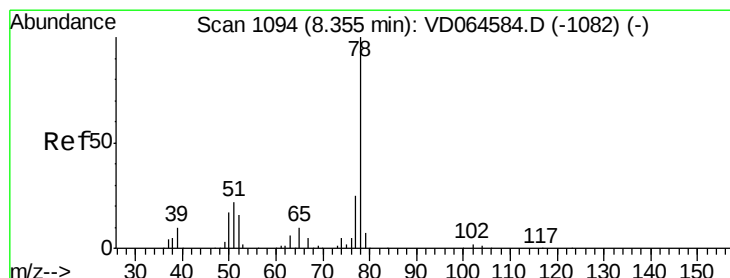
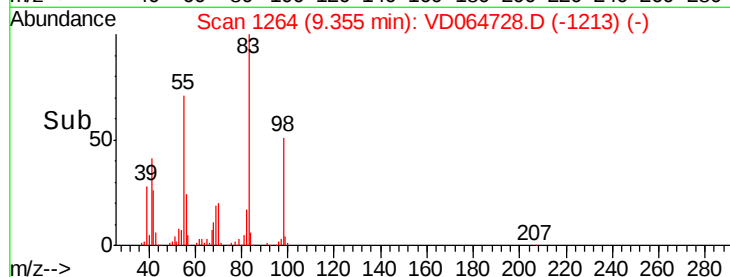
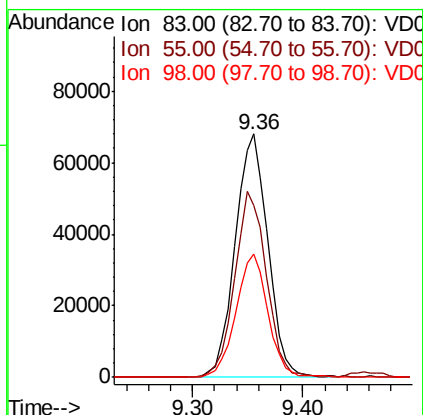
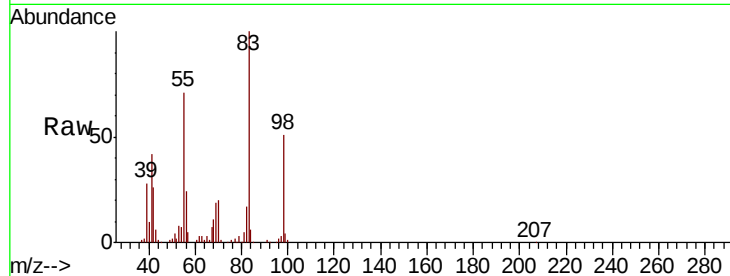




#39
Methvlcvclohexane
Concen: 19.970 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

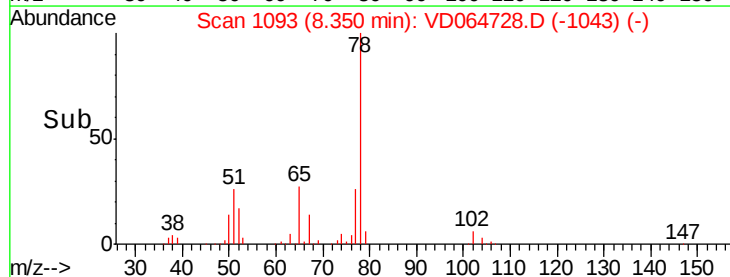
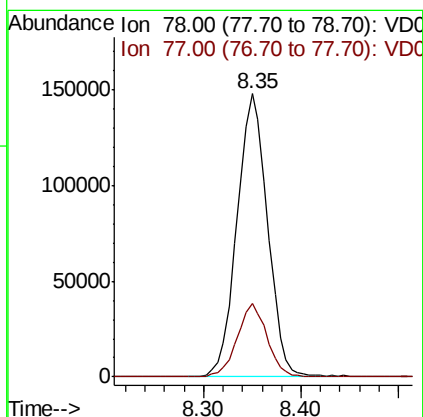
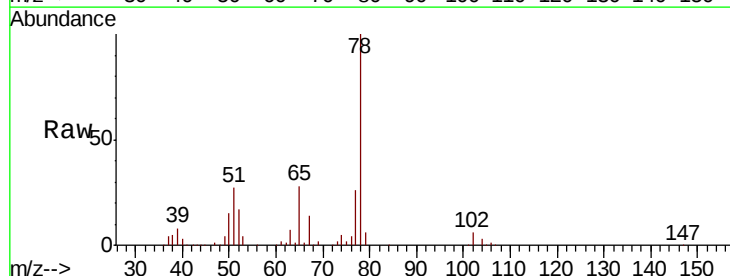
Instrument :
MSVOA_D
ClientSampleId :

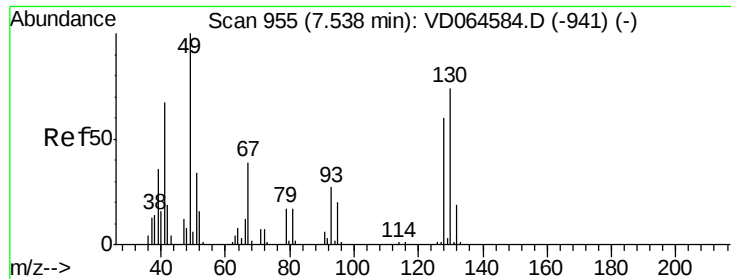
Tot Ion: 83 Resp: 141542
Ion Ratio Lower Upper
83 100
55 70.6 57.8 86.6
98 50.6 38.7 58.1



#40
Benzene
Concen: 20.149 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 78 Resp: 321879
Ion Ratio Lower Upper
78 100
77 25.8 19.9 29.9





#41

Methacrylonitrile

Concen: 14.784 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 19720

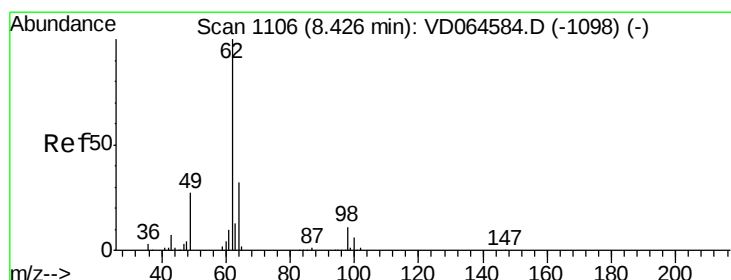
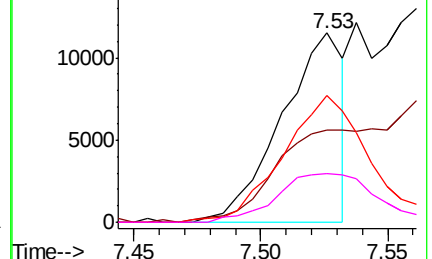
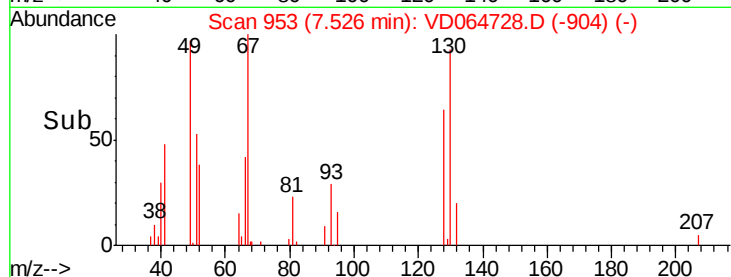
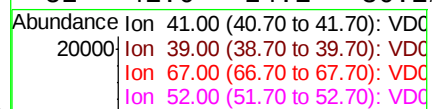
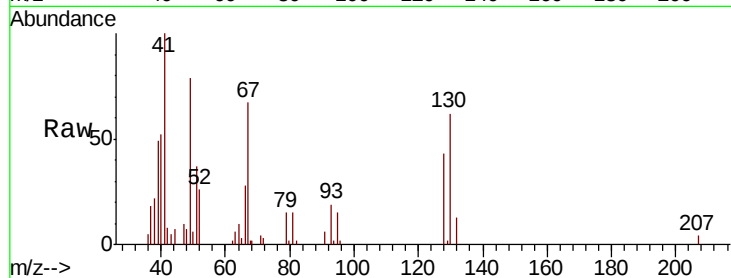
Ion Ratio Lower Upper

41 100

39 65.9 46.7 70.1

67 93.0 52.5 78.7#

52 41.6 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 20.568 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064728.D

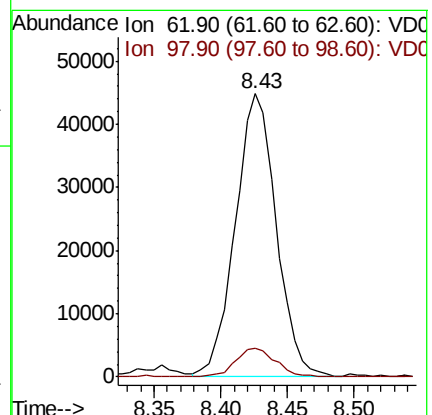
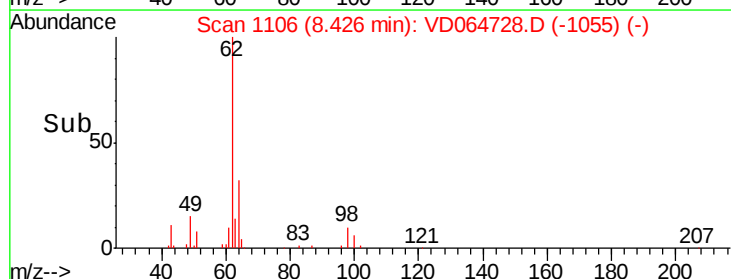
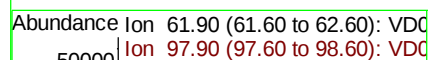
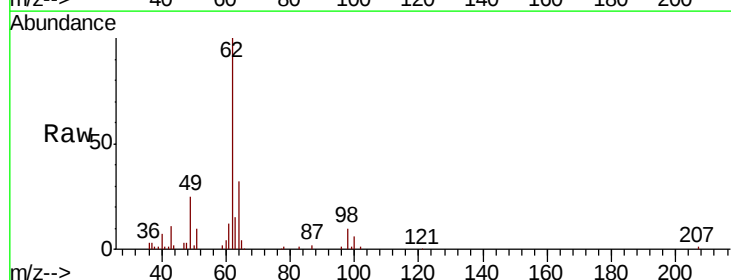
Acq: 03 Jan 2020 12:16

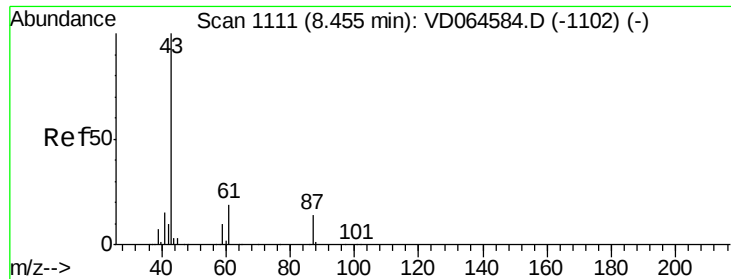
Tgt Ion: 62 Resp: 94952

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.0

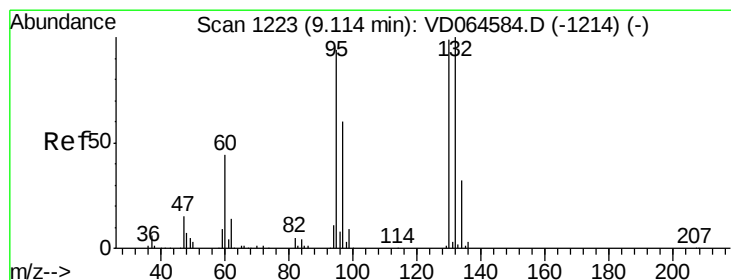
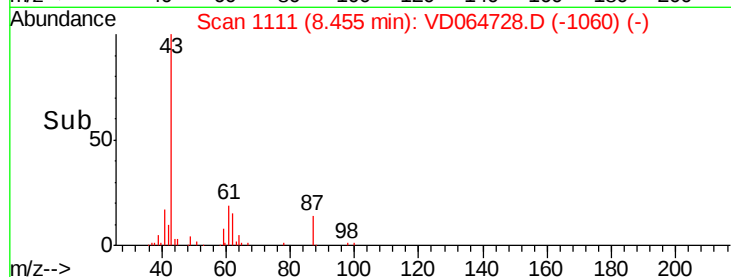
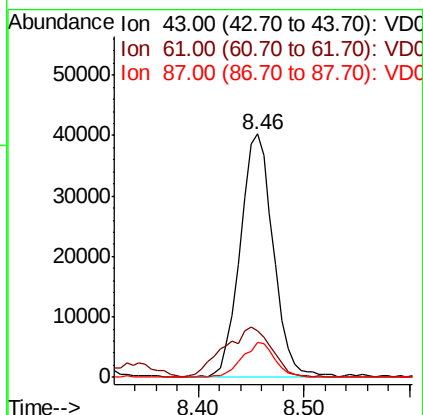
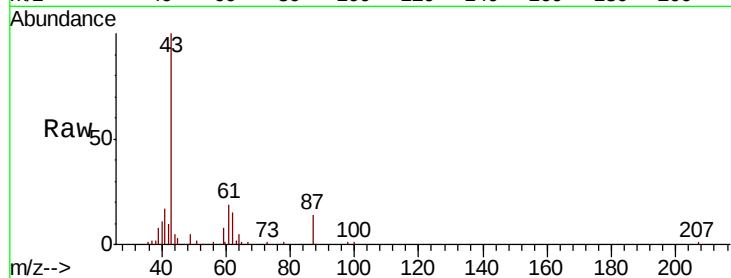




#43
Isopropyl Acetate
Concen: 19.190 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

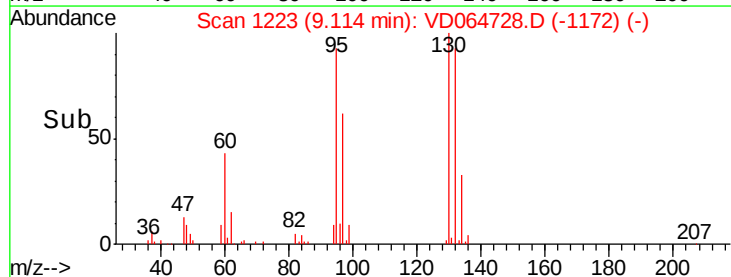
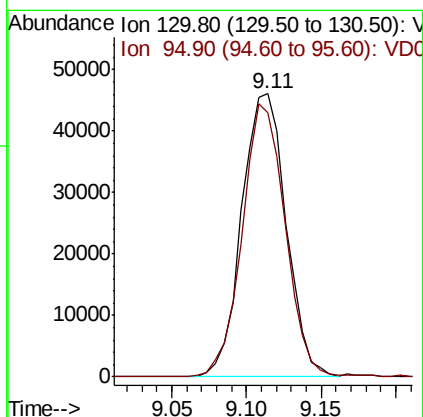
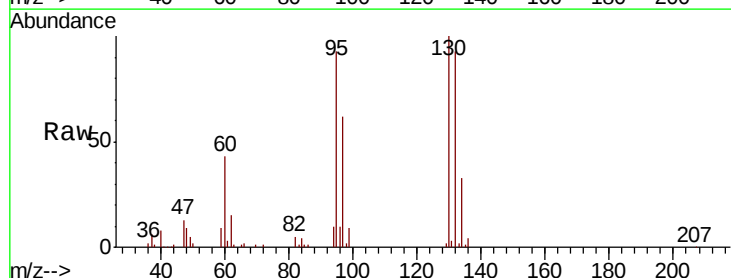
Instrument :
MSVOA_D
ClientSampleId :

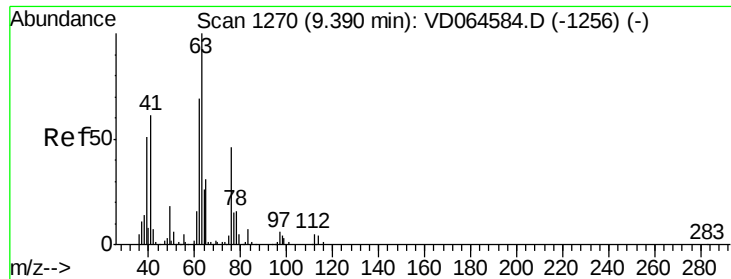
Tot Ion: 43 Resp: 87812
Ion Ratio Lower Upper
43 100
61 29.7 23.7 35.5
87 14.2 10.5 15.7



#44
Trichloroethene
Concen: 20.219 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion:130 Resp: 94887
Ion Ratio Lower Upper
130 100
95 93.3 0.0 190.2

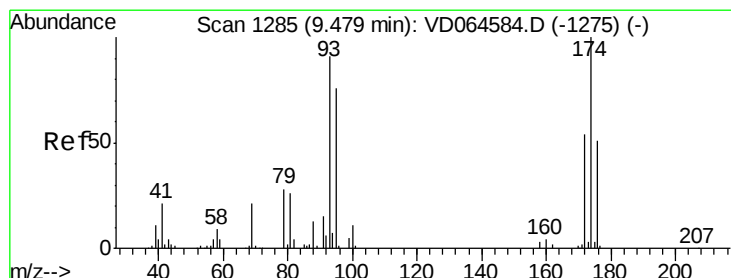
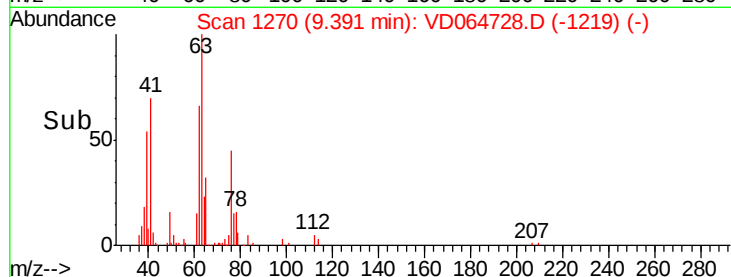
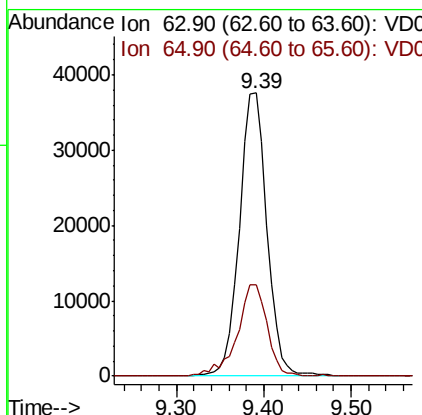
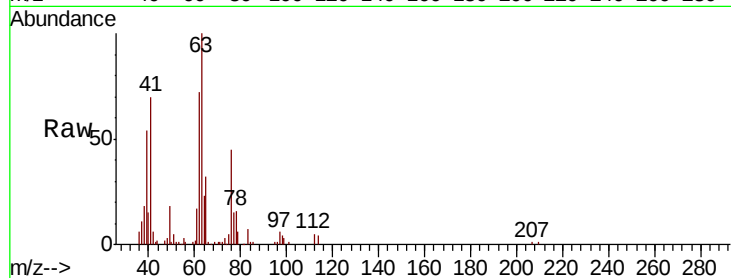




#45
 1,2-Dichloropropane
 Concen: 20.825 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

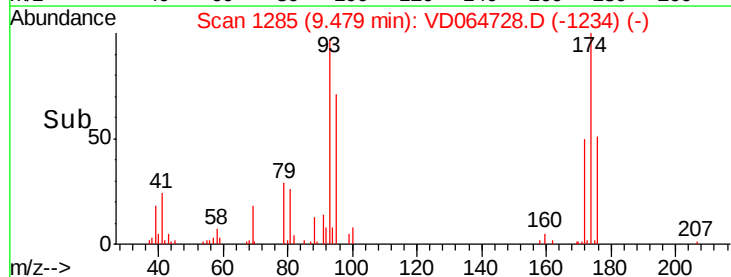
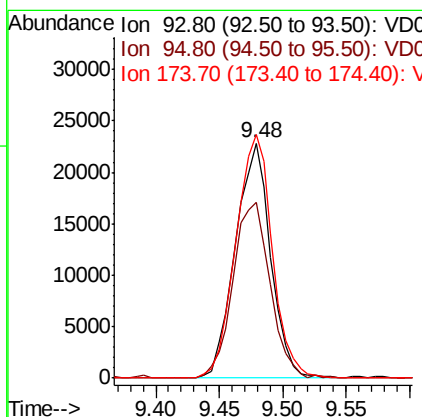
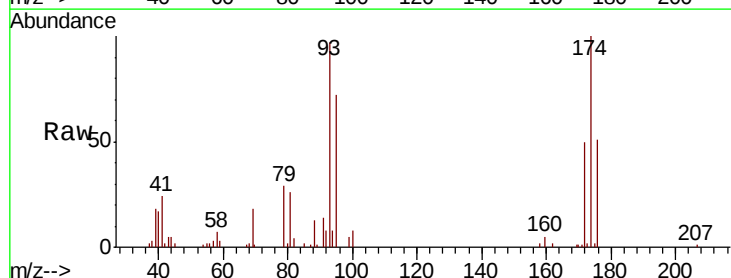
Instrument :
 MSVOA_D
 ClientSampleId :

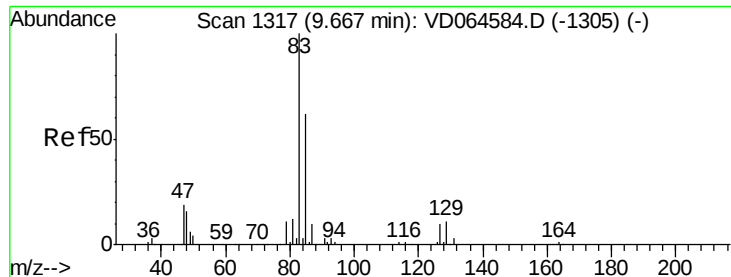
Tot Ion: 63 Resp: 79432
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.2 37.8



#46
 Dibromomethane
 Concen: 20.721 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 93 Resp: 44065
 Ion Ratio Lower Upper
 93 100
 95 78.6 64.6 97.0
 174 107.2 88.1 132.1





#47

Bromodichloromethane

Concen: 20.349 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

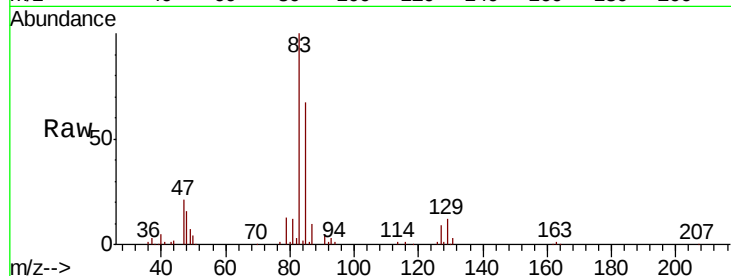
Tot Ion: 83 Resp: 115151

Ion Ratio Lower Upper

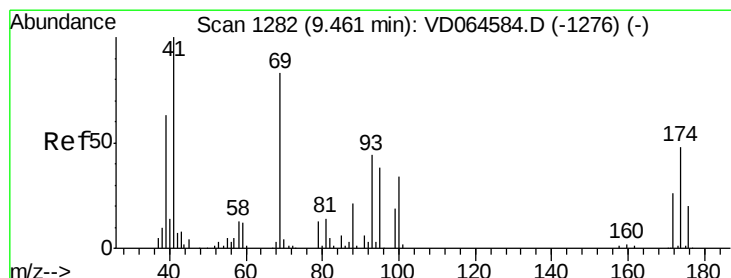
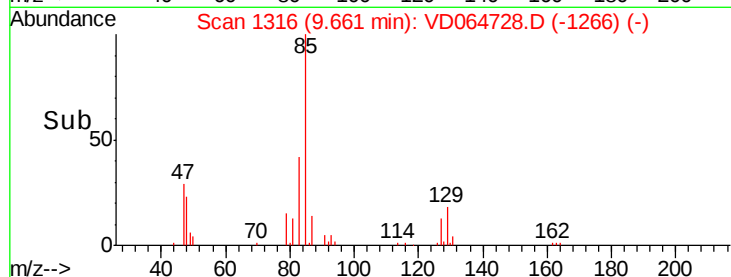
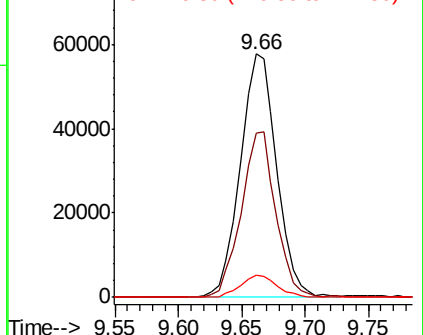
83 100

85 67.4 49.5 74.3

127 8.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 19.088 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

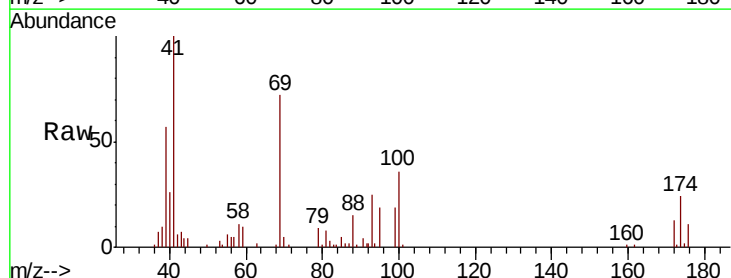
Tgt Ion: 41 Resp: 41126

Ion Ratio Lower Upper

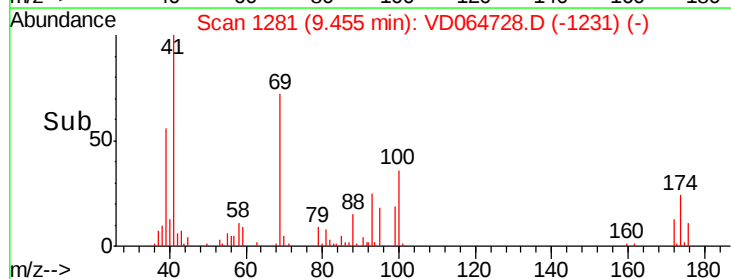
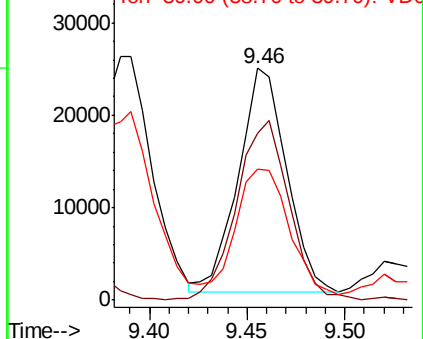
41 100

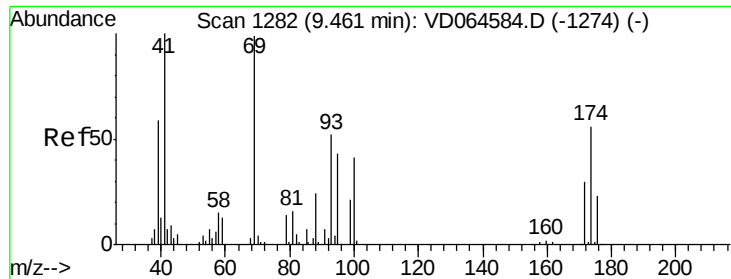
69 88.1 63.0 94.6

39 61.8 47.4 71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

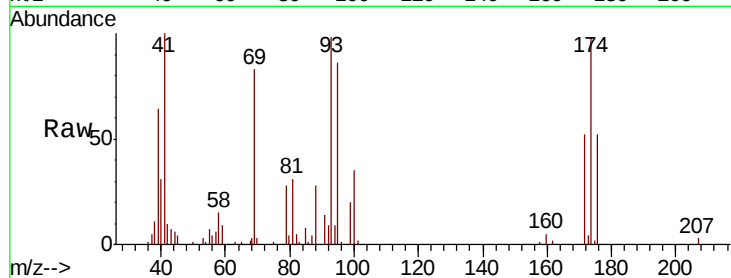




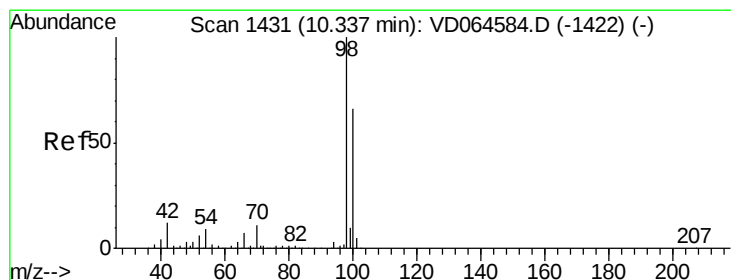
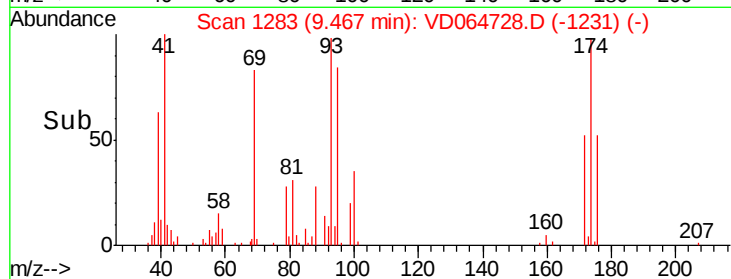
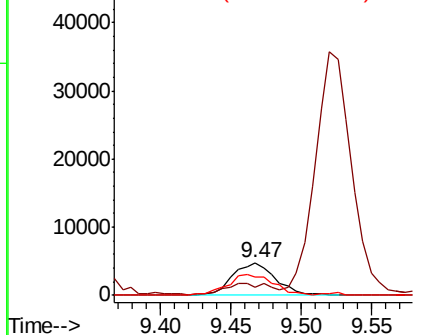
#49
 1,4-Dioxane
 Concen: 411.608 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 10093
 Ion Ratio Lower Upper
 88 100
 43 40.5 27.7 41.5
 58 67.5 53.8 80.6

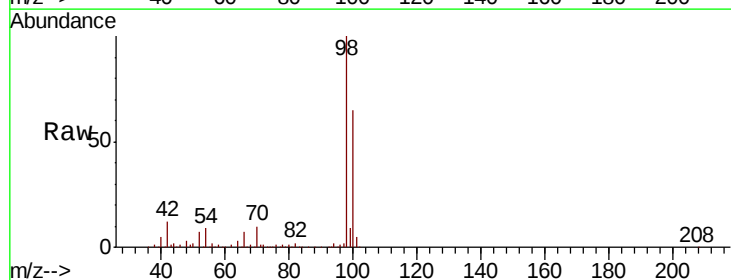


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

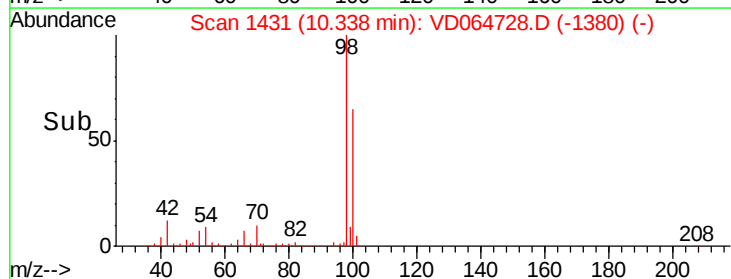
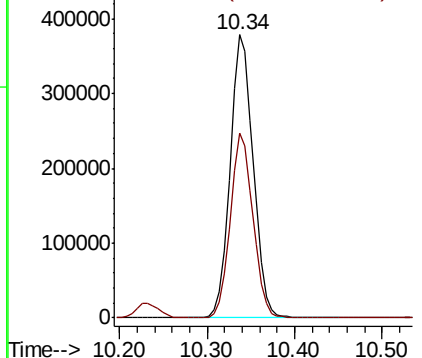


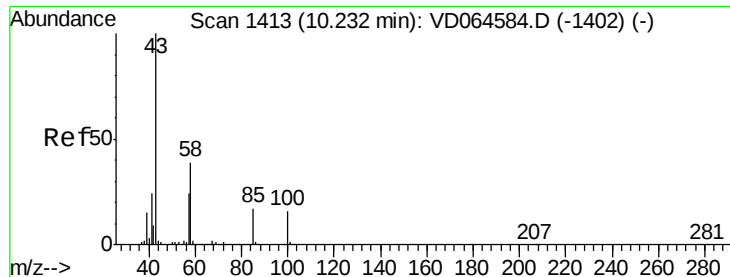
#50
 Toluene-d8
 Concen: 47.318 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 98 Resp: 675985
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.7 77.5



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: 97.269 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

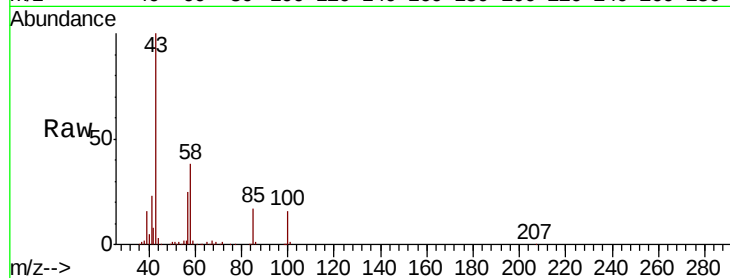
ClientSampled :

Tot Ion: 43 Resp: 219996

Ion Ratio Lower Upper

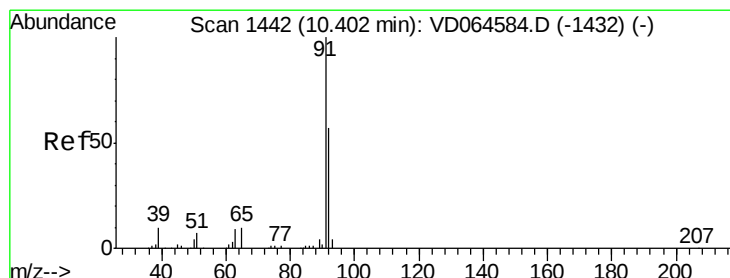
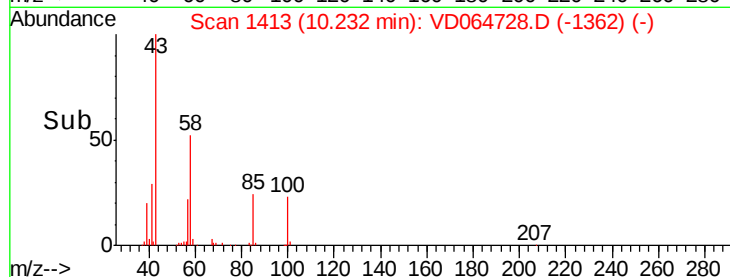
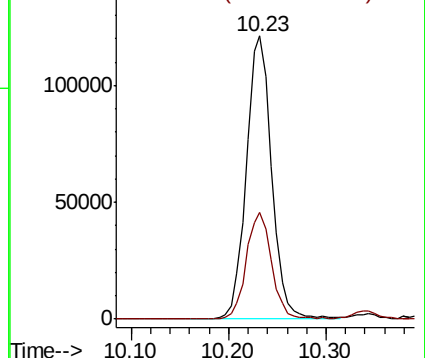
43 100

58 37.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.132 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064728.D

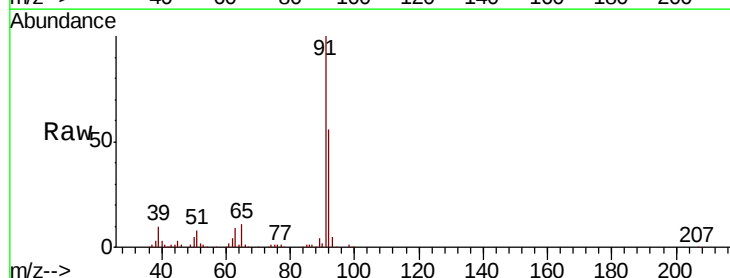
Acq: 03 Jan 2020 12:16

Tgt Ion: 92 Resp: 210998

Ion Ratio Lower Upper

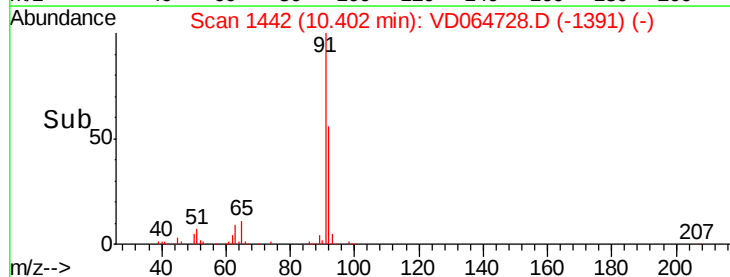
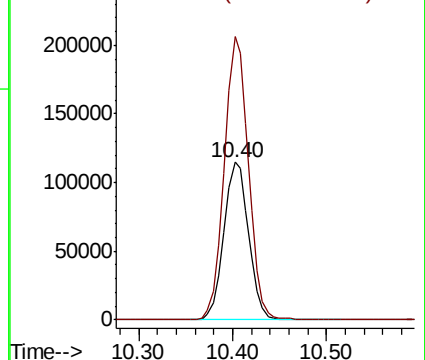
92 100

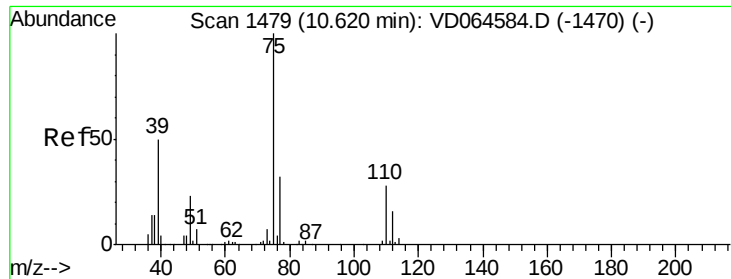
91 174.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.070 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

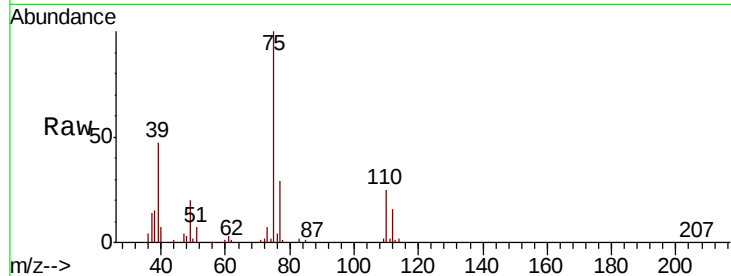
ClientSampleId :

Tot Ion: 75 Resp: 105883

Ion Ratio Lower Upper

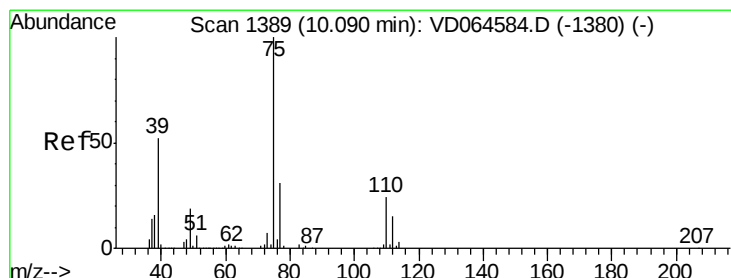
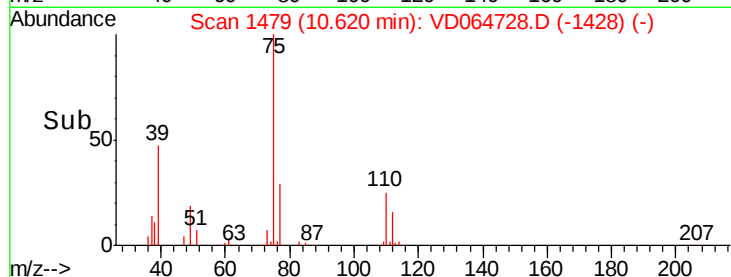
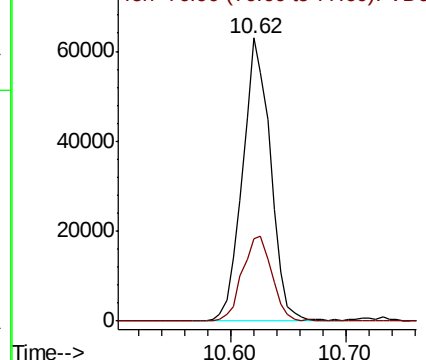
75 100

77 29.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.967 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

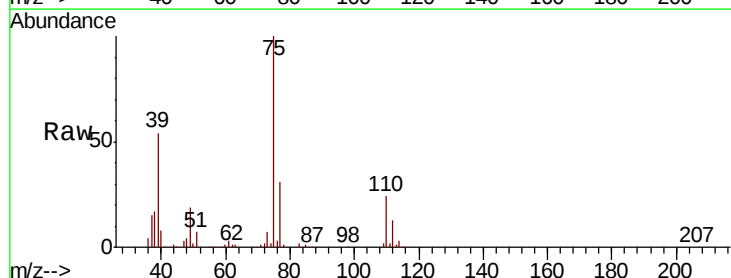
Tgt Ion: 75 Resp: 124210

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

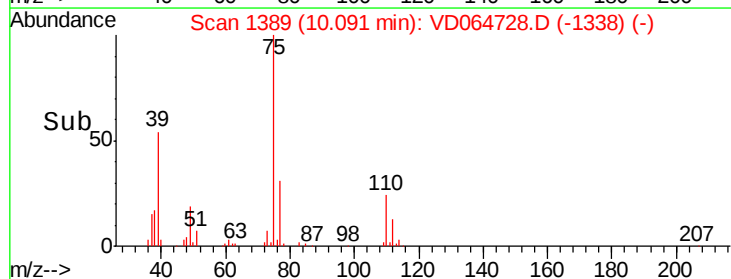
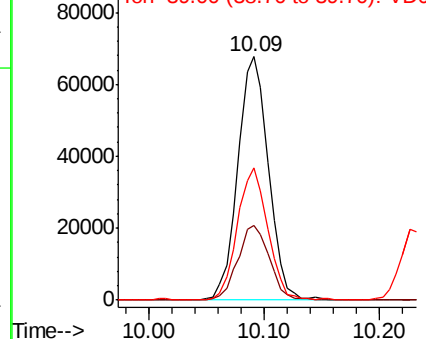
39 54.3 41.4 62.2

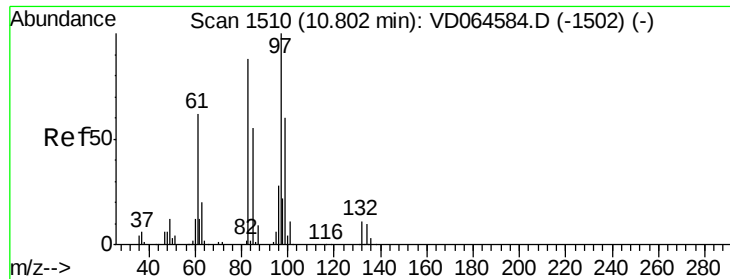


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

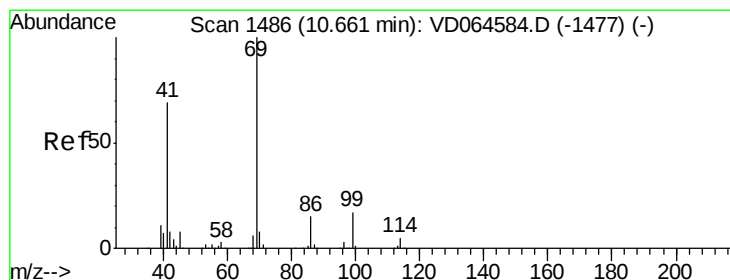
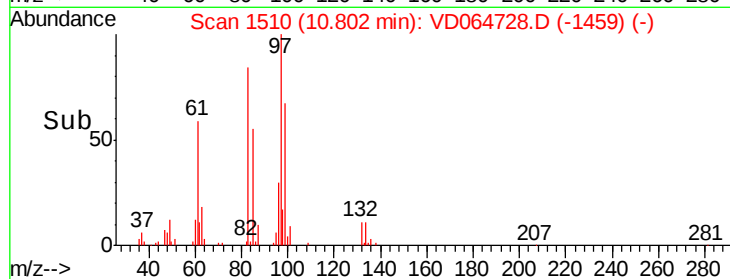
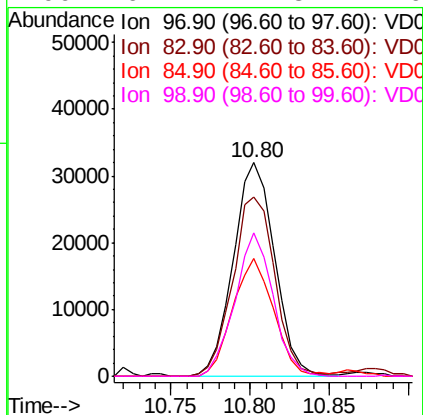
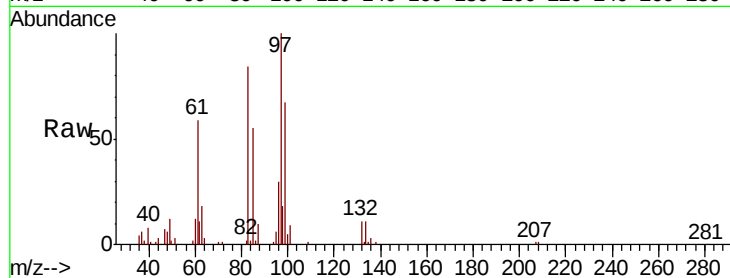




#55
 1,1,2-Trichloroethane
 Concen: 20.269 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

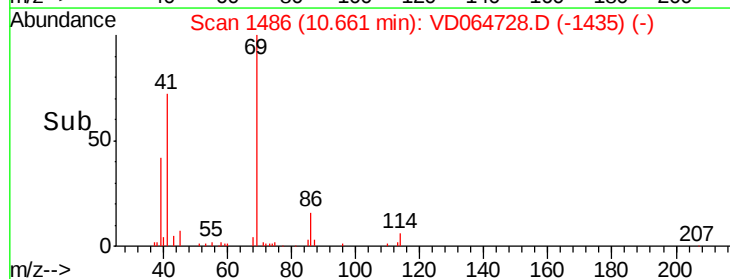
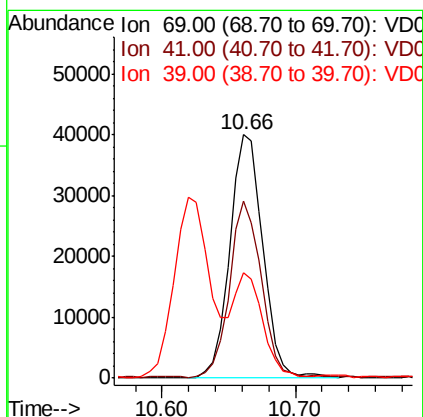
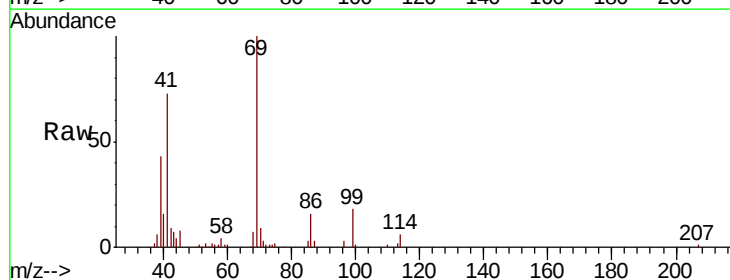
Instrument :
 MSVOA_D
 ClientSampleId :

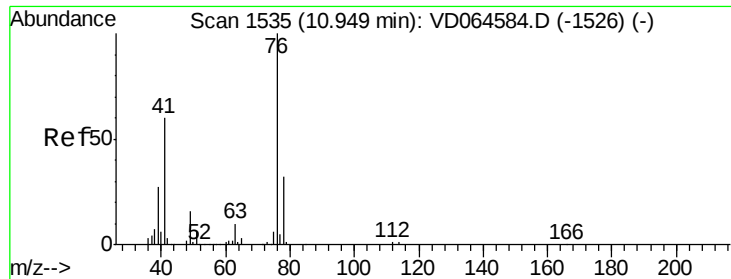
Tot Ion:	97	Resp:	58090
Ion	Ratio	Lower	Upper
97	100		
83	83.7	70.2	105.4
85	55.2	44.0	66.0
99	67.4	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 19.196 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion:	69	Resp:	68706
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.3	82.9
39	35.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.160 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

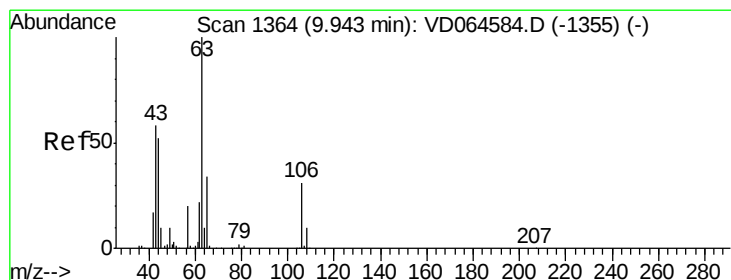
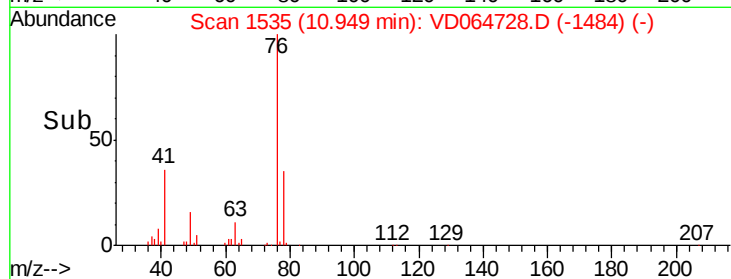
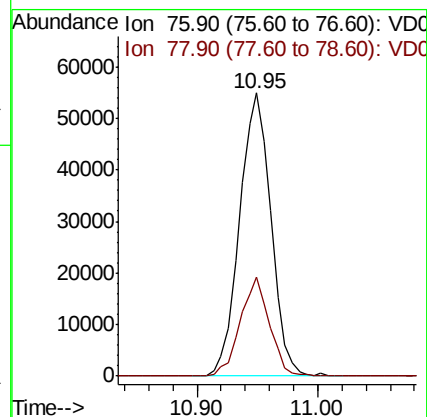
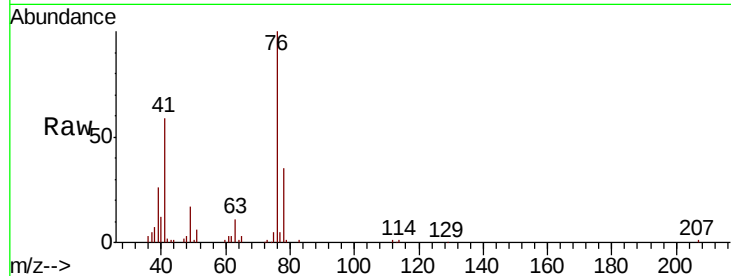
ClientSampled :

Tot Ion: 76 Resp: 99479

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 98.657 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064728.D

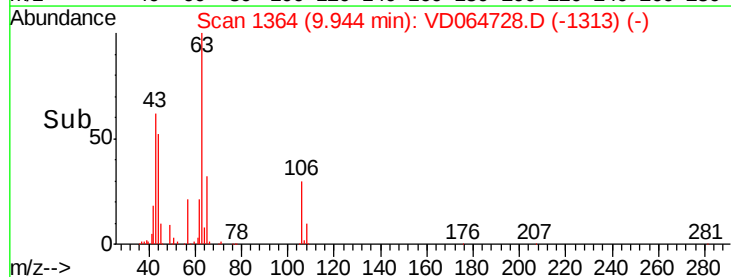
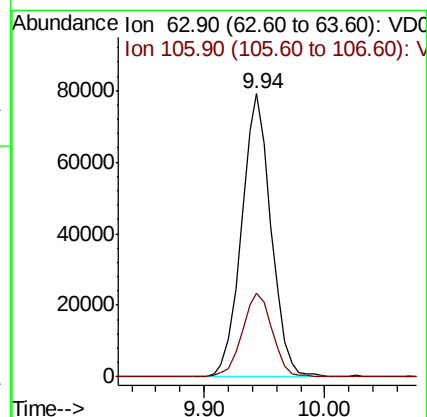
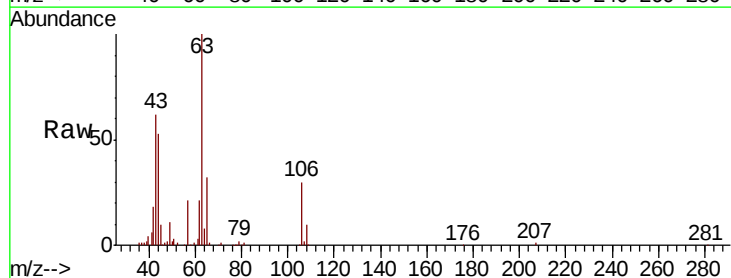
Acq: 03 Jan 2020 12:16

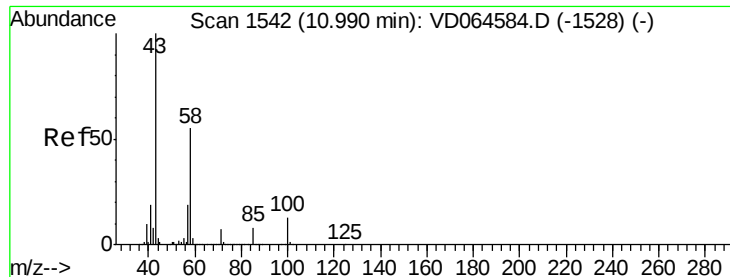
Tgt Ion: 63 Resp: 134532

Ion Ratio Lower Upper

63 100

106 30.1 23.8 35.8

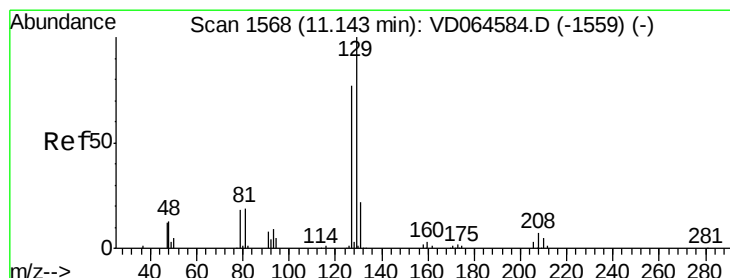
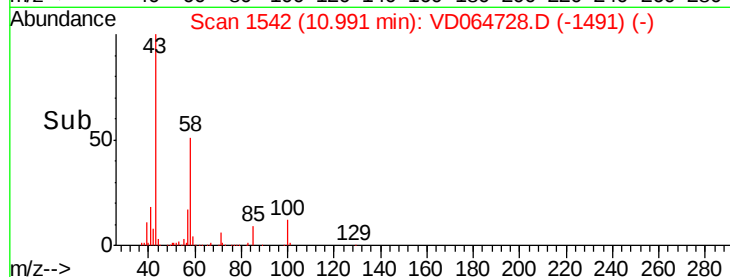
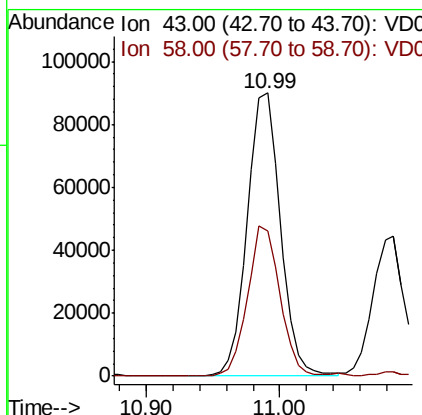
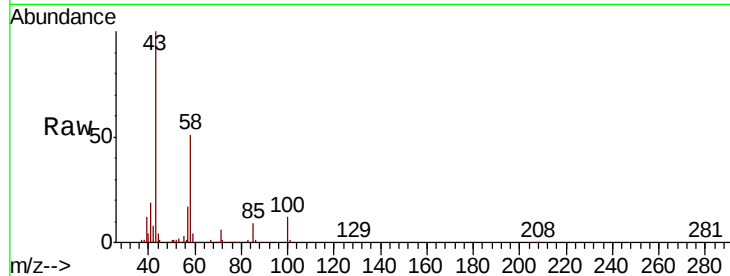




#59
2-Hexanone
Concen: 100.452 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

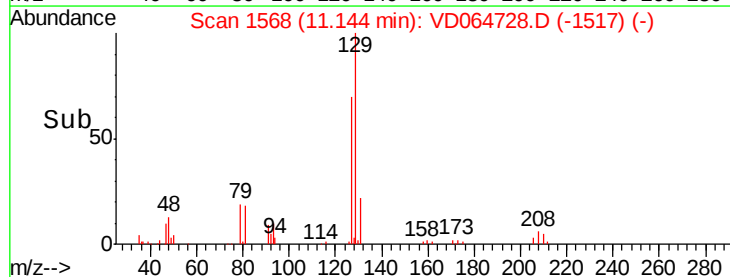
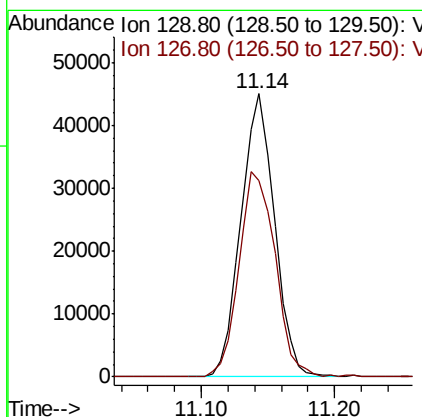
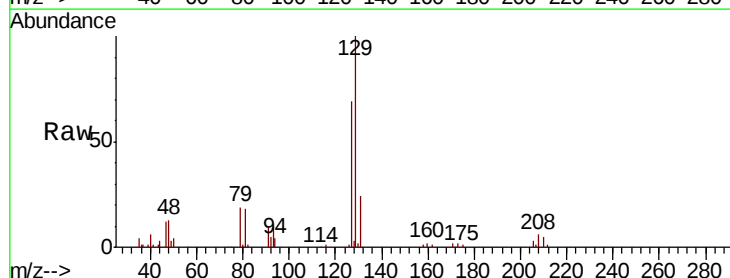
Instrument :
MSVOA_D
ClientSampled :

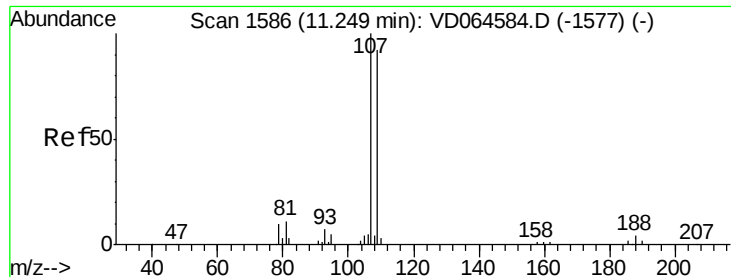
Tot Ion: 43 Resp: 154203
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0



#60
Dibromochloromethane
Concen: 19.797 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 129 Resp: 78460
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2

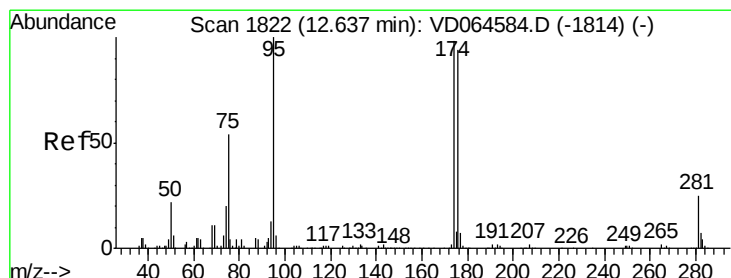
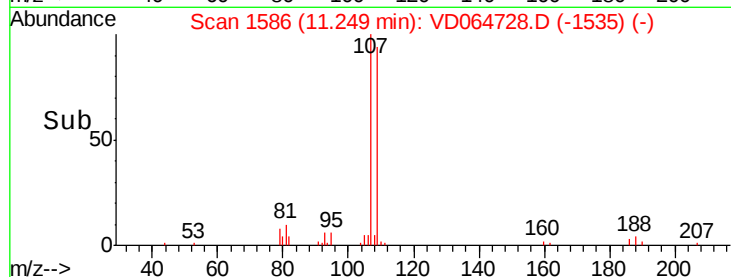
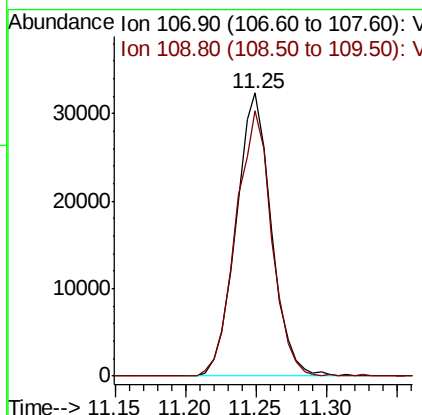
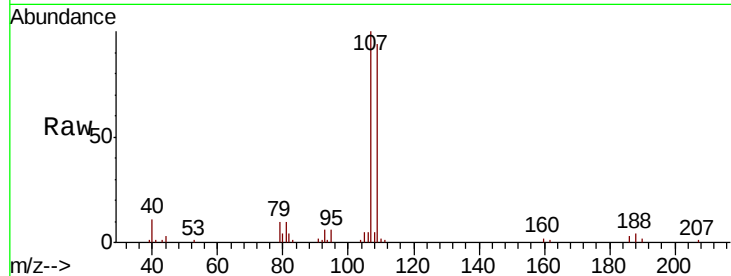




#61
 1,2-Dibromoethane
 Concen: 19.952 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

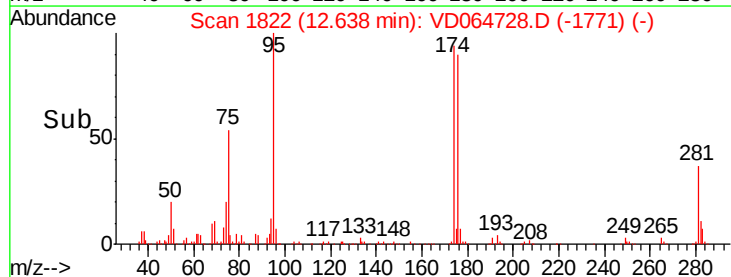
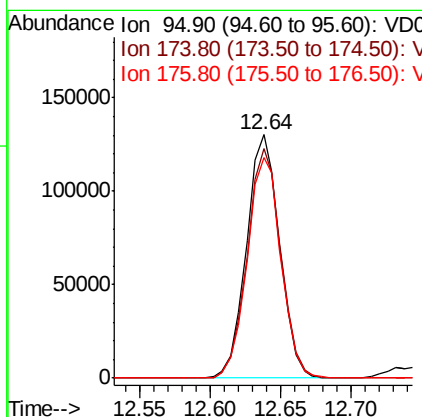
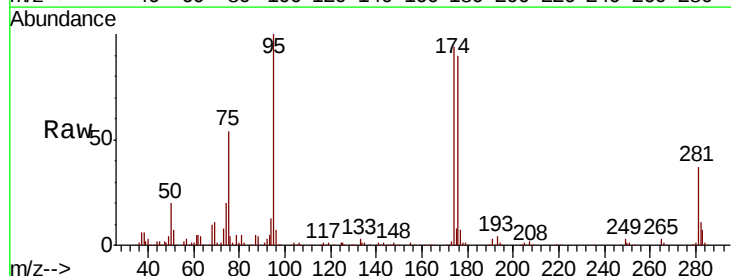
Instrument :
 MSVOA_D
 ClientSampleId :

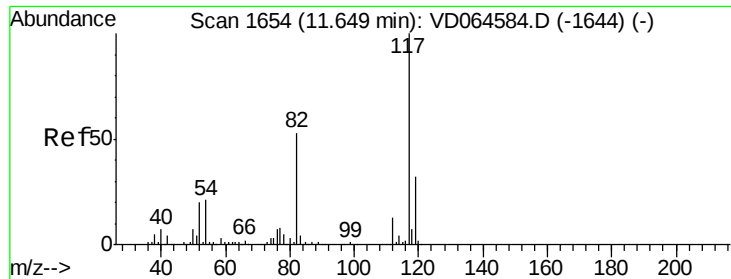
Tot Ion:107 Resp: 56399
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.470 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 95 Resp: 214443
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 193.2
 176 92.4 0.0 184.2

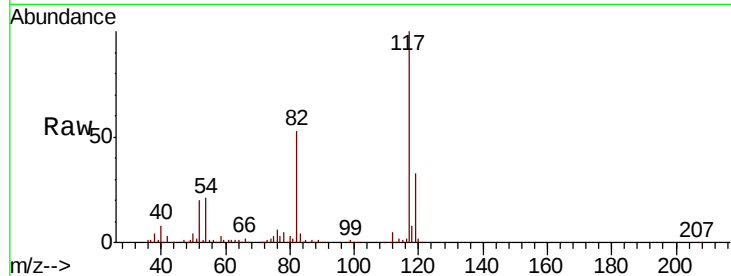




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.6	26.0	39.0

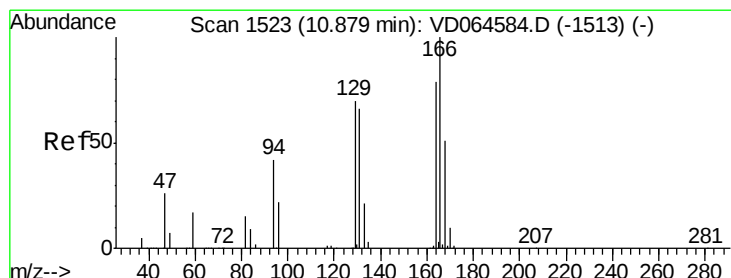
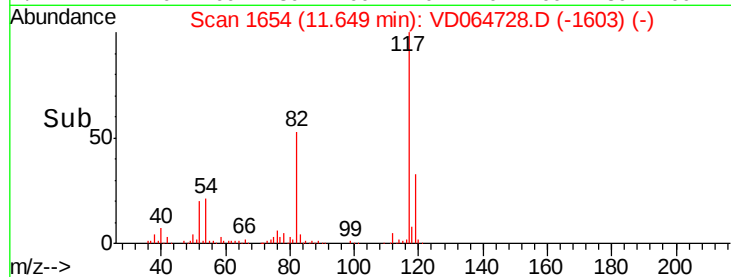
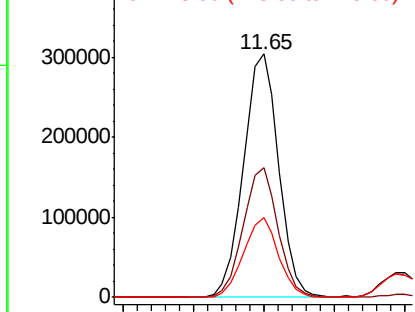


Abundance

Ion 116.90 (116.60 to 117.60): V

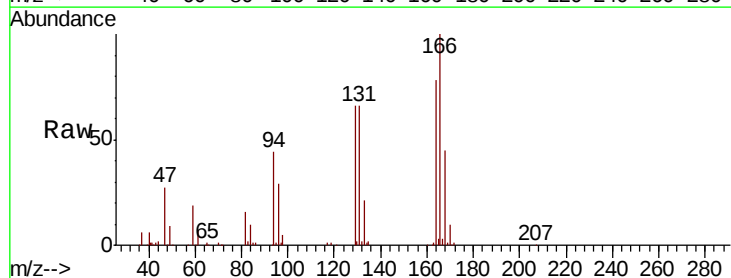
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.398 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.3	151.9
129	84.1	70.5	105.7
131	84.2	66.6	99.8



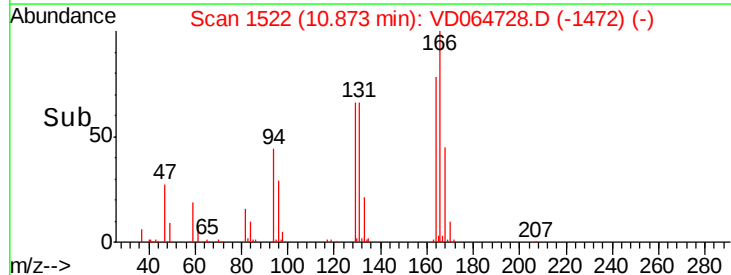
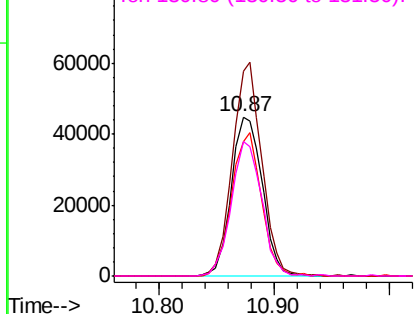
Abundance

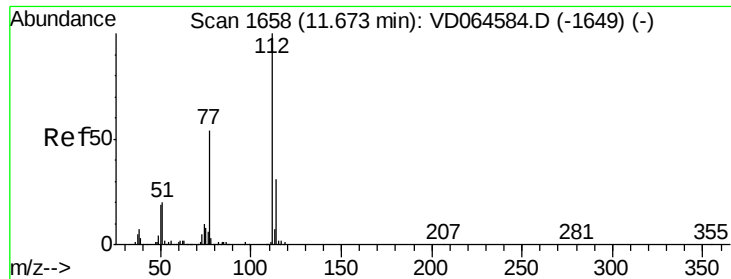
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

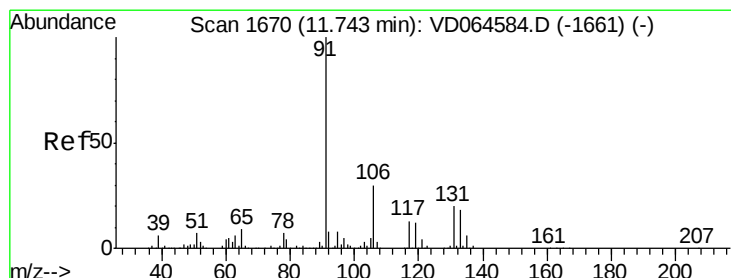
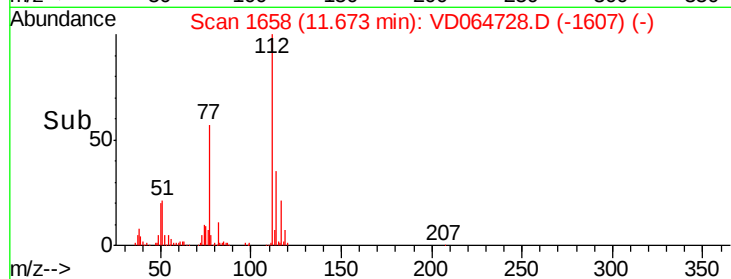
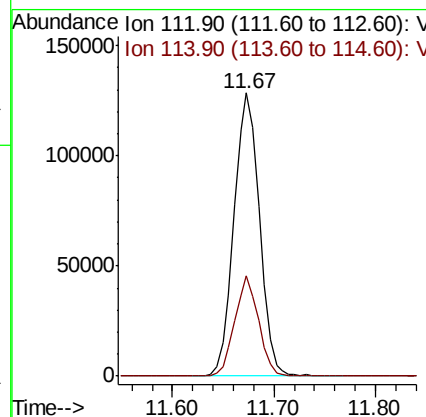
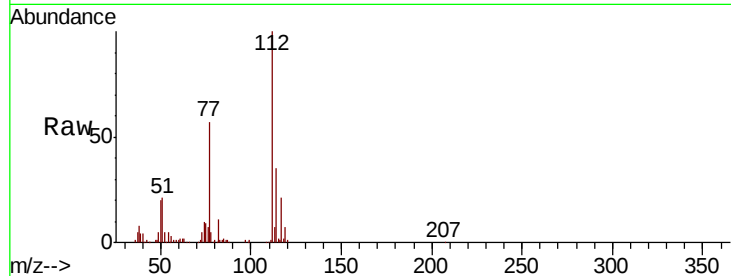




#65
Chlorobenzene
Concen: 20.328 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

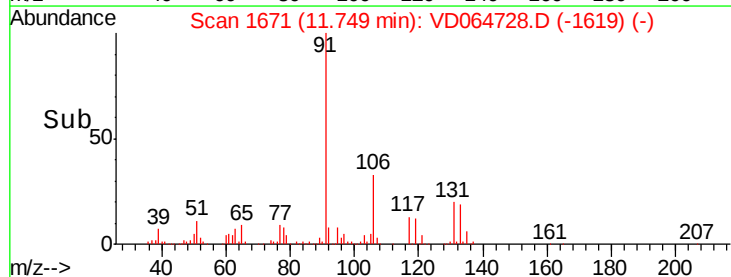
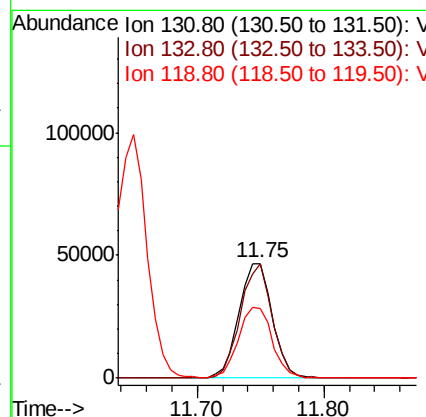
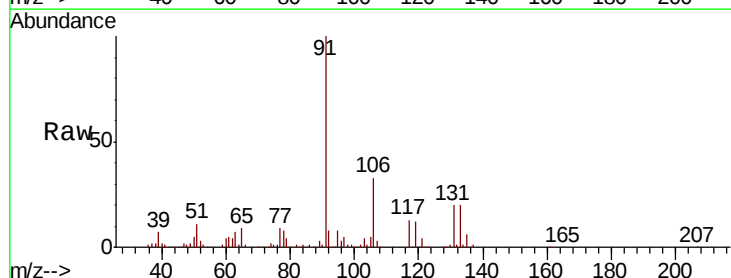
Instrument :
MSVOA_D
ClientSampled :

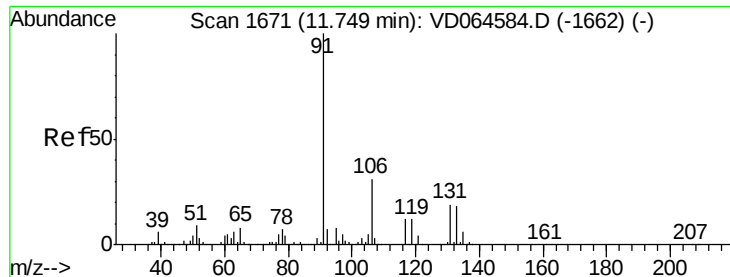
Tot Ion:112 Resp: 223988
Ion Ratio Lower Upper
112 100
114 35.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.536 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion:131 Resp: 85307
Ion Ratio Lower Upper
131 100
133 94.2 48.3 144.8
119 62.4 32.1 96.3





#67

Ethyl Benzene

Concen: 19.732 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

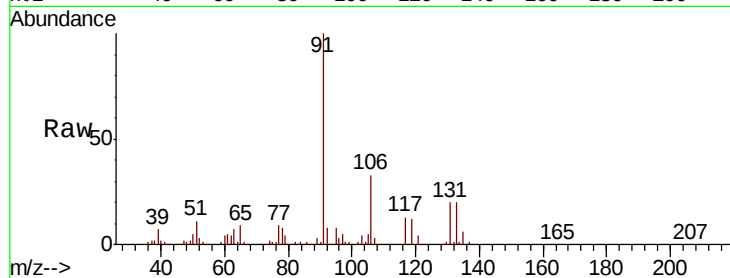
ClientSampled :

Tot Ion: 91 Resp: 394635

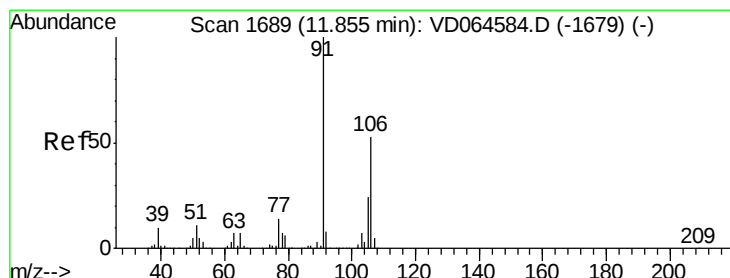
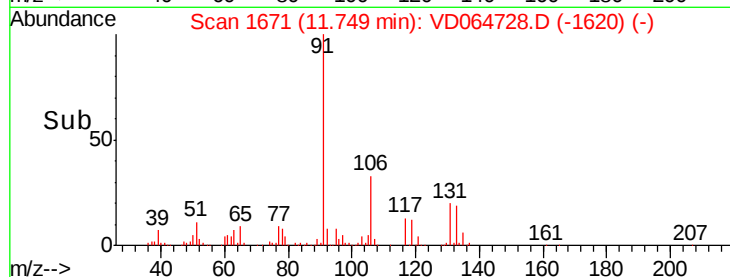
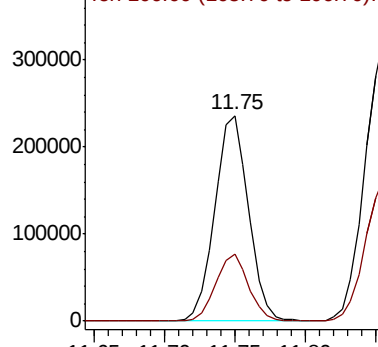
Ion Ratio Lower Upper

91 100

106 32.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 39.666 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064728.D

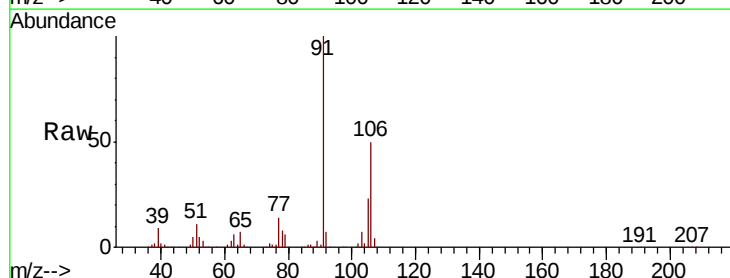
Acq: 03 Jan 2020 12:16

Tgt Ion: 106 Resp: 306205

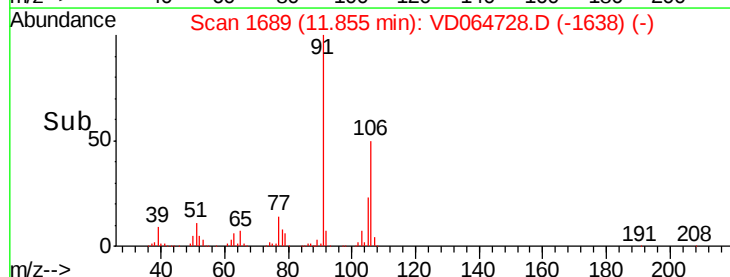
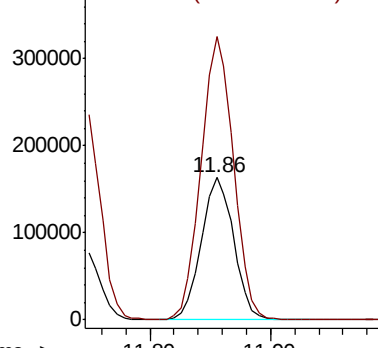
Ion Ratio Lower Upper

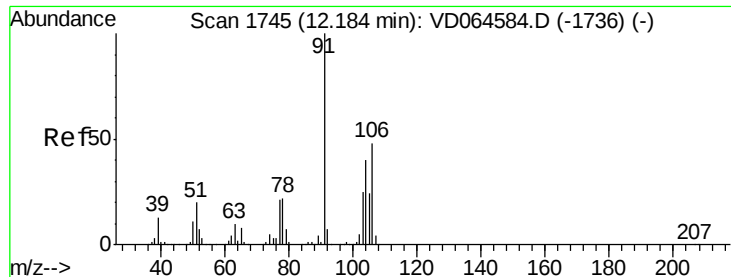
106 100

91 199.1 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

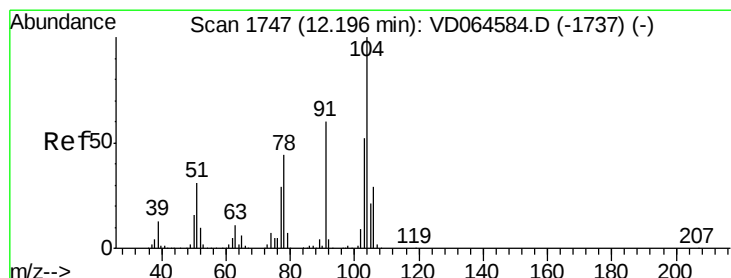
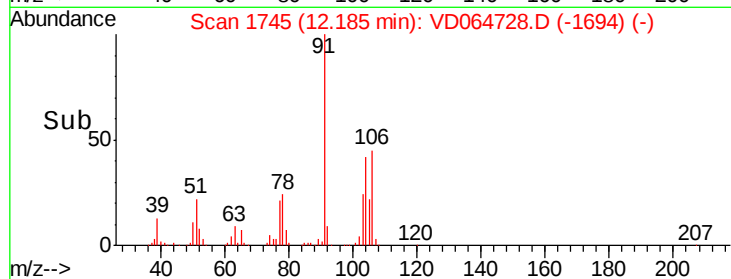
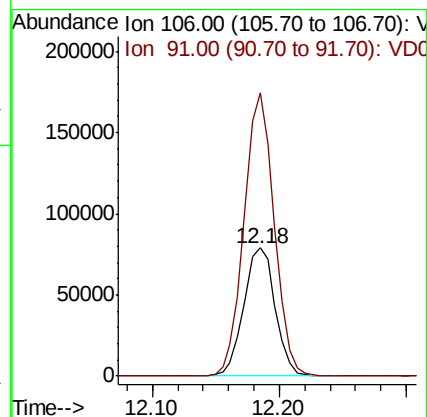
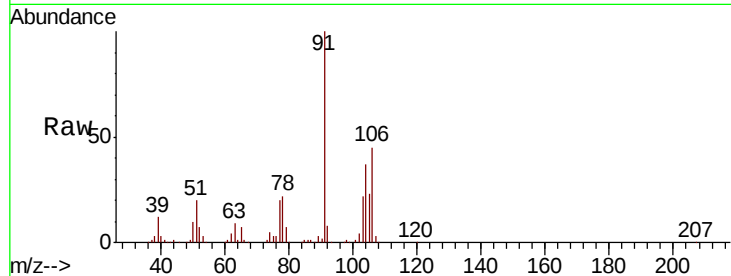




#69
o-Xylene
Concen: 19.457 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

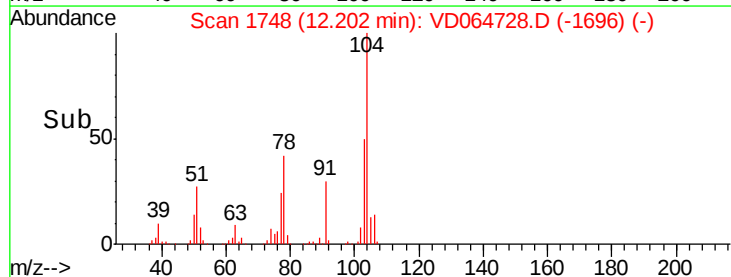
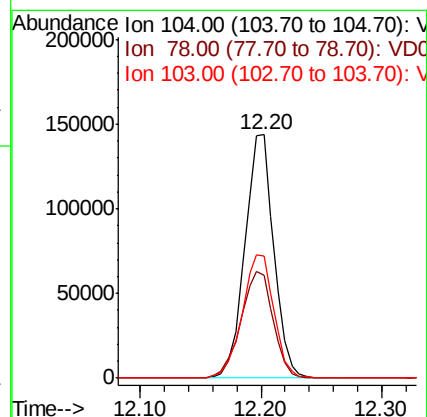
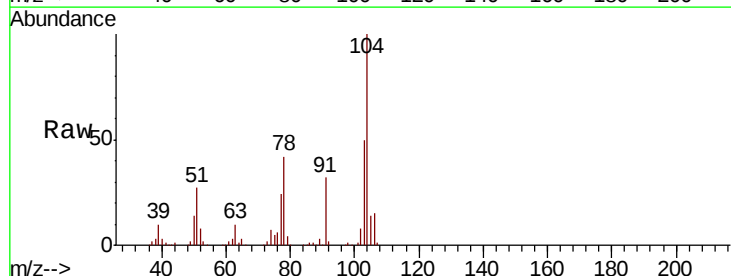
Instrument :
MSVOA_D
ClientSampled :

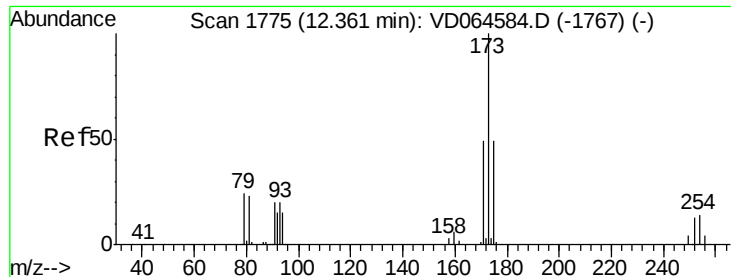
Tot Ion:106 Resp: 135669
Ion Ratio Lower Upper
106 100
91 212.6 104.8 314.4



#70
Styrene
Concen: 19.681 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion:104 Resp: 240871
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.2 44.6 67.0





#71

Bromoform

Concen: 20.484 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

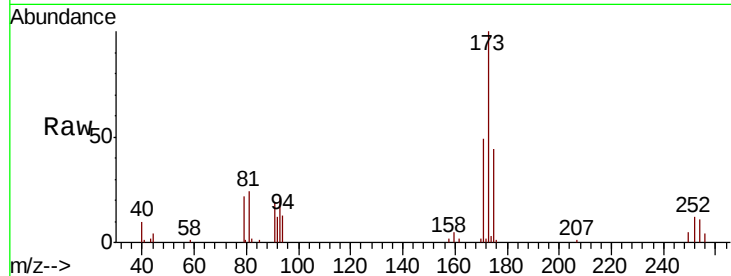
Tot Ion:173 Resp: 48524

Ion Ratio Lower Upper

173 100

175 47.2 24.6 73.8

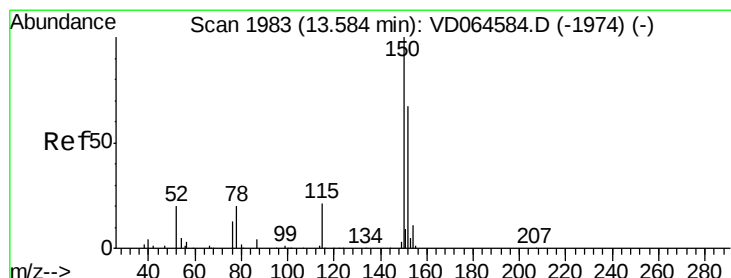
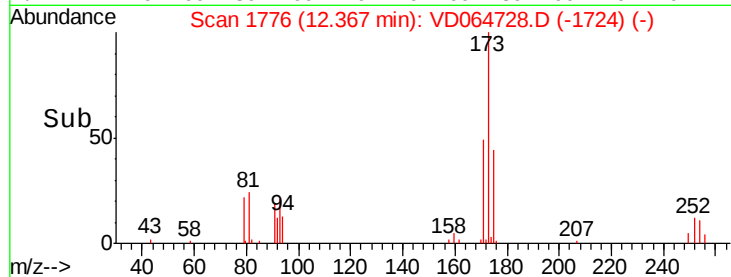
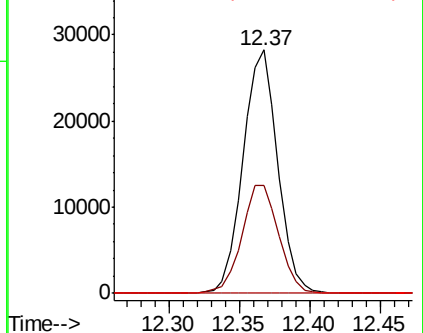
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

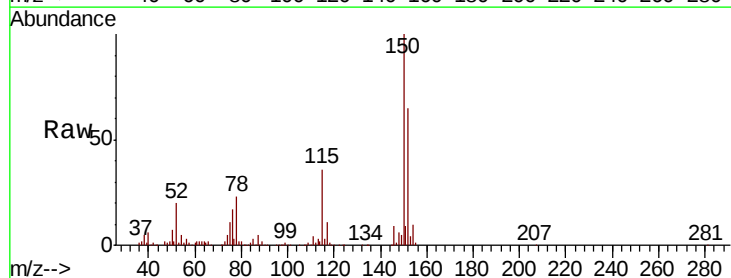
Tgt Ion:152 Resp: 265413

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

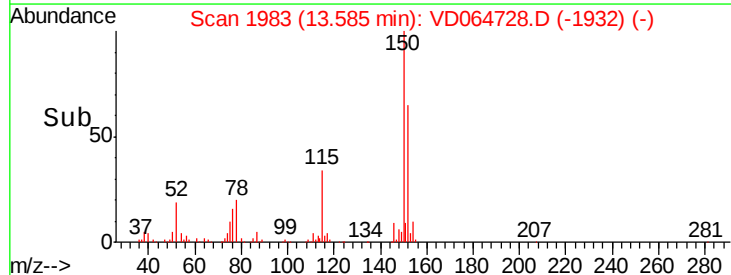
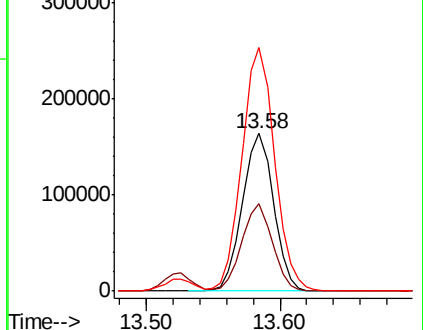
150 162.1 0.0 351.4

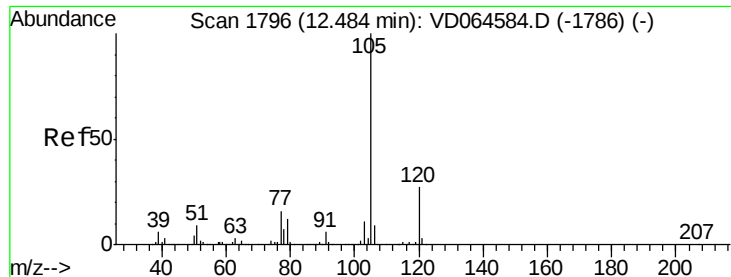


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.077 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

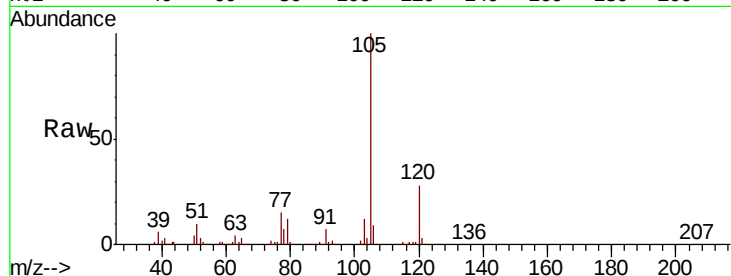
ClientSampled :

Tot Ion:105 Resp: 380801

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

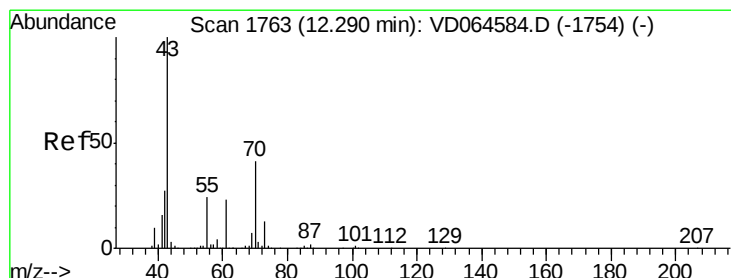
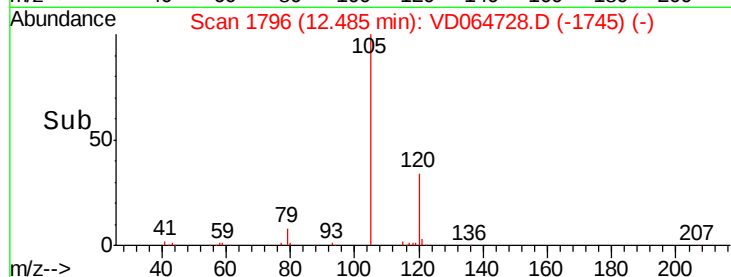
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.182 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Tgt Ion: 43 Resp: 77772

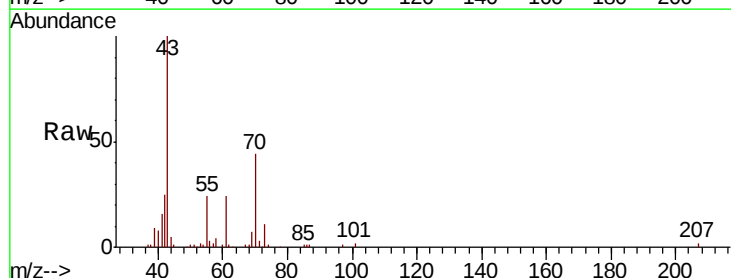
Ion Ratio Lower Upper

43 100

70 43.0 33.4 50.0

55 25.2 19.4 29.0

61 23.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

40000

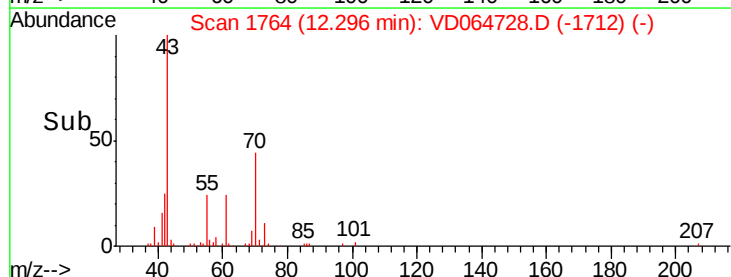
20000

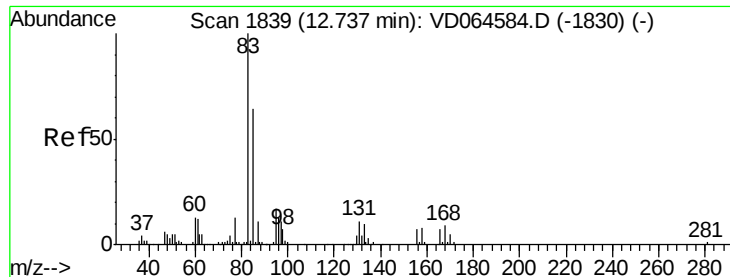
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.672 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampled :

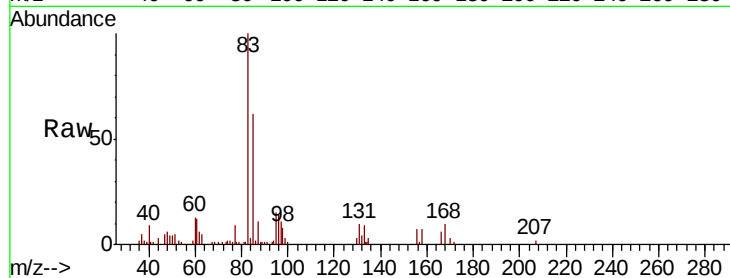
Tot Ion: 83 Resp: 61594

Ion Ratio Lower Upper

83 100

131 11.1 5.8 17.4

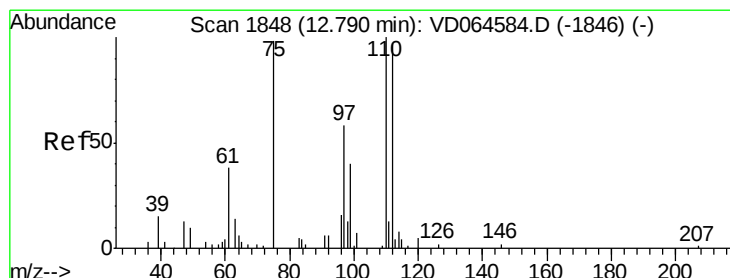
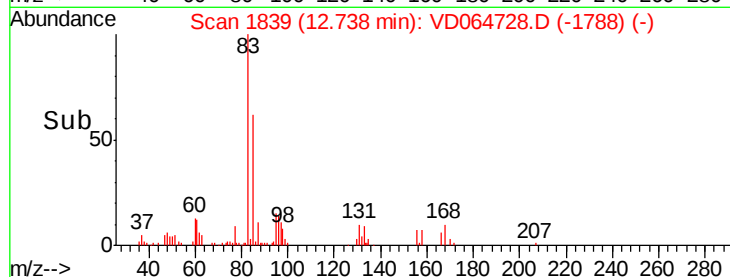
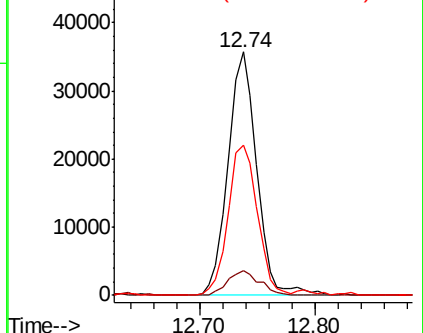
85 62.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.712 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064728.D

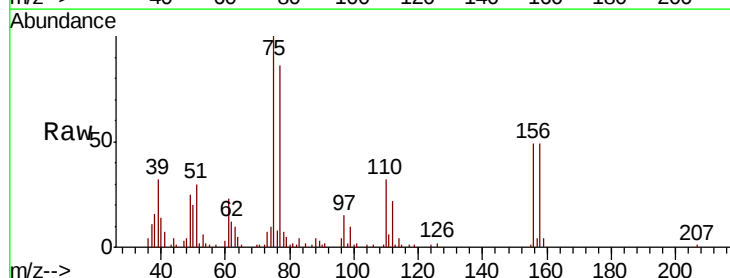
Acq: 03 Jan 2020 12:16

Tgt Ion: 75 Resp: 81135

Ion Ratio Lower Upper

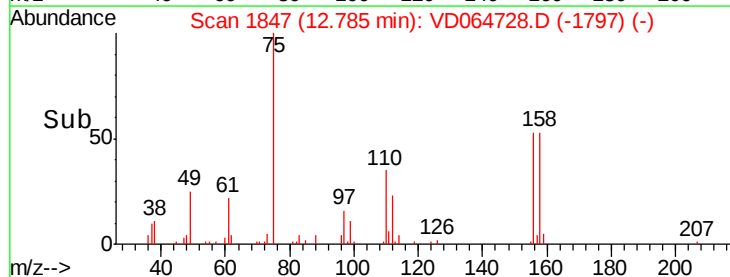
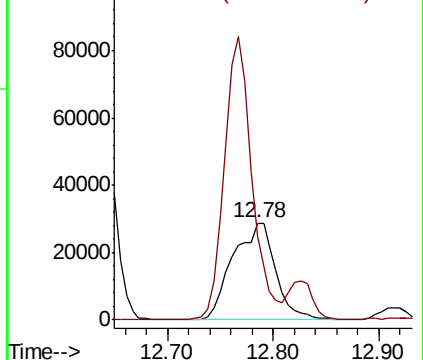
75 100

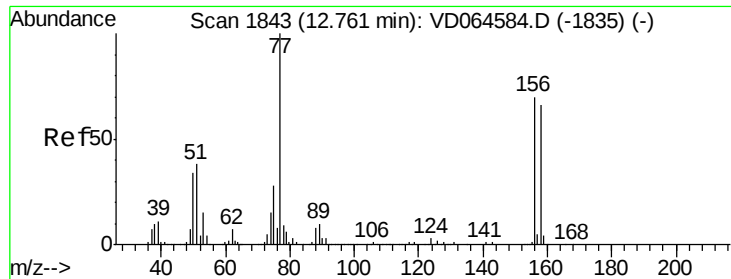
77 188.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.317 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

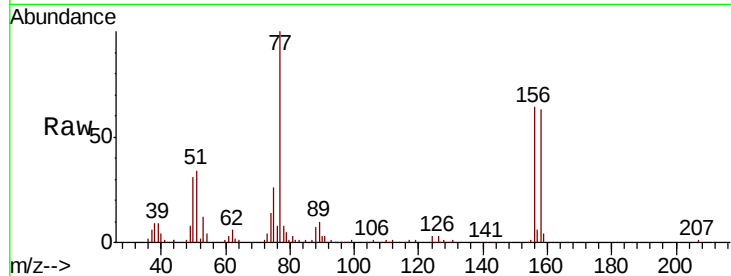
Tot Ion:156 Resp: 94687

Ion Ratio Lower Upper

156 100

77 161.5 80.9 242.7

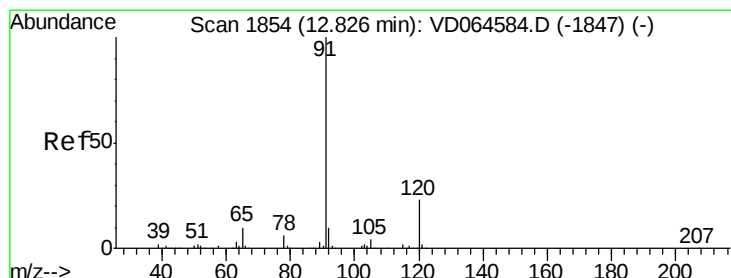
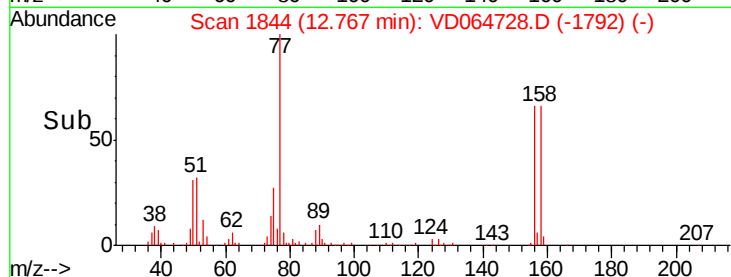
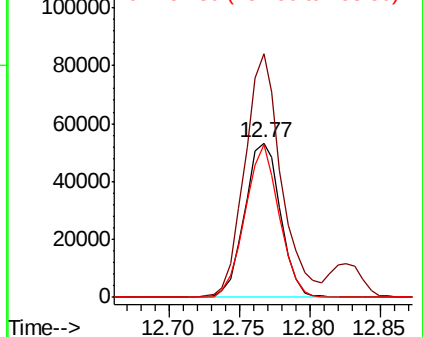
158 94.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.291 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064728.D

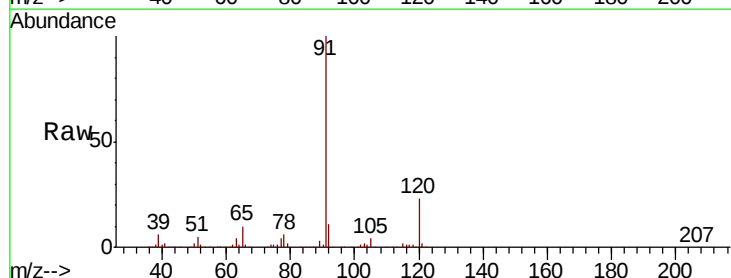
Acq: 03 Jan 2020 12:16

Tgt Ion: 91 Resp: 448979

Ion Ratio Lower Upper

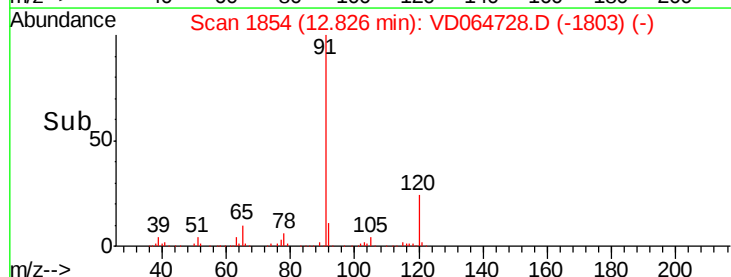
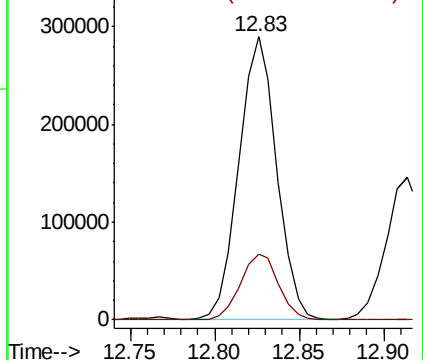
91 100

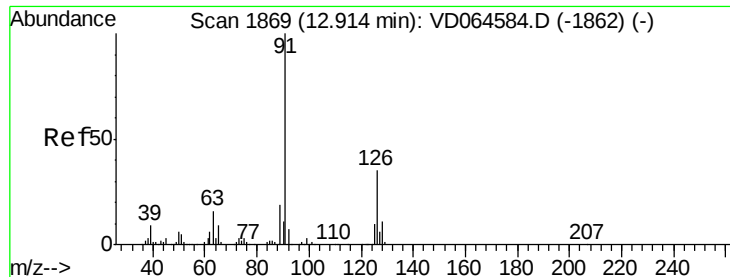
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

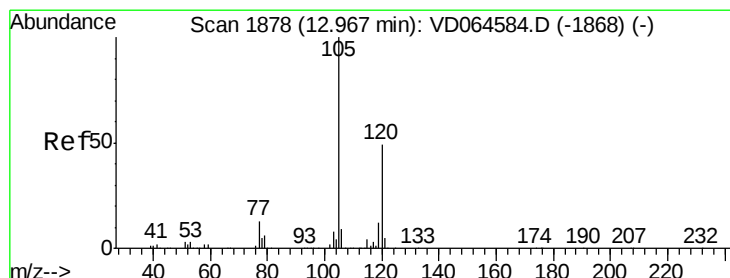
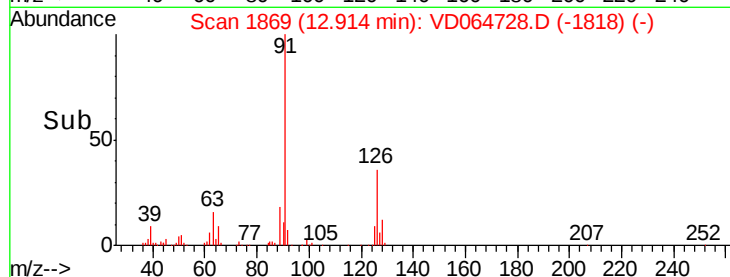
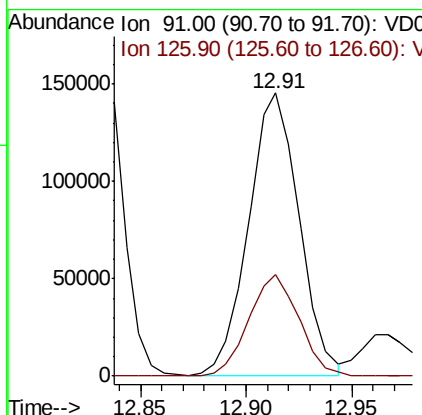
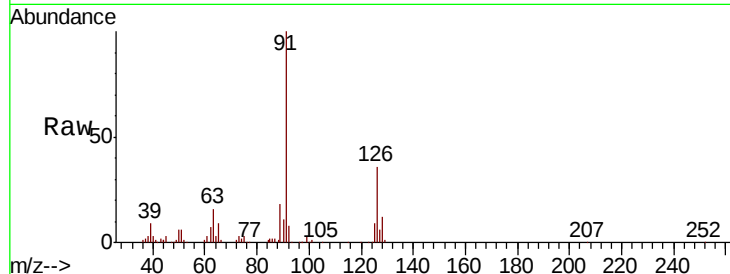




#79
 2-Chlorotoluene
 Concen: 19.802 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

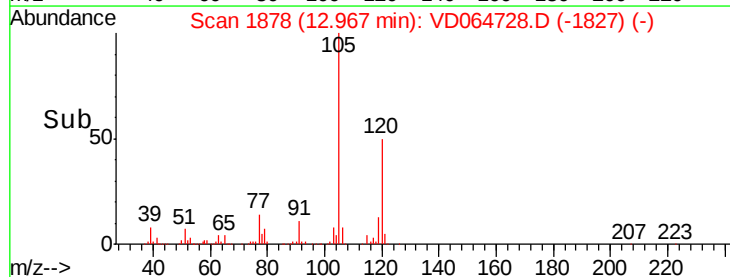
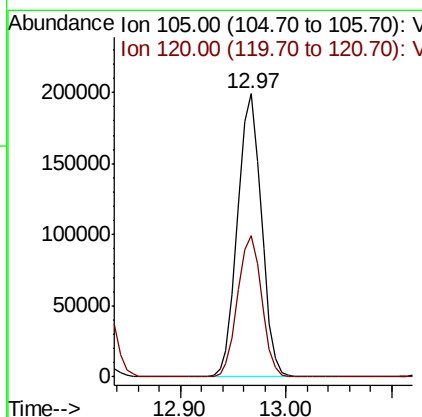
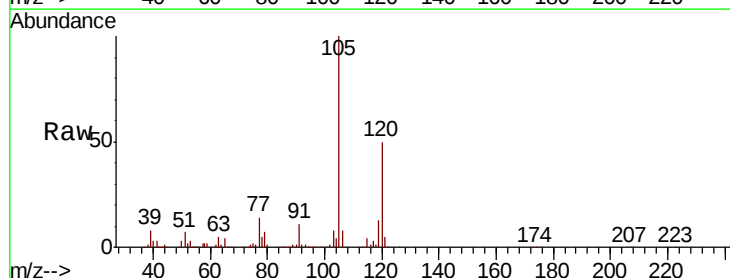
Instrument :
 MSVOA_D
 ClientSampleId :

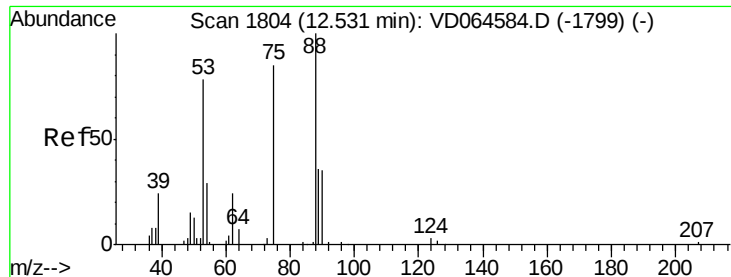
Tot Ion: 91 Resp: 240707
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.018 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion: 105 Resp: 311896
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.107 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampled :

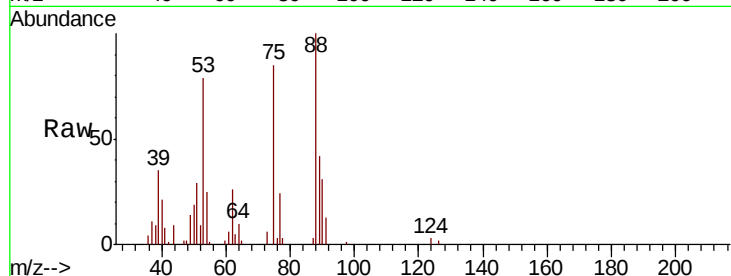
Tot Ion: 75 Resp: 20149

Ion Ratio Lower Upper

75 100

53 98.6 78.8 118.2

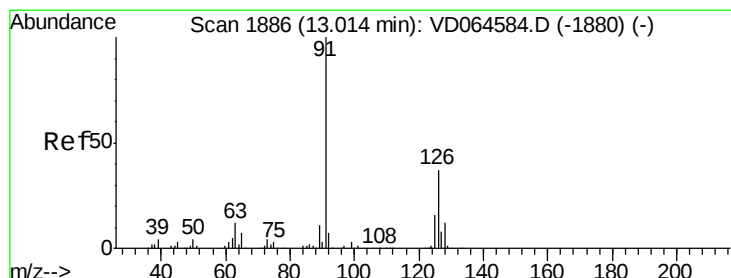
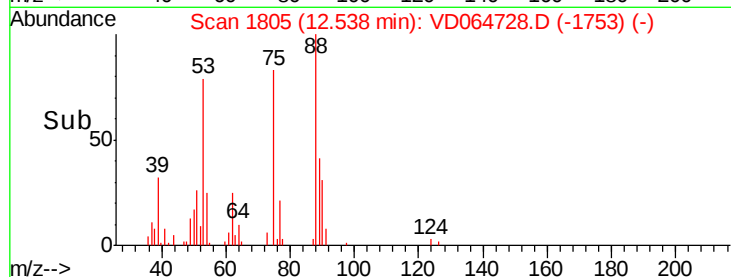
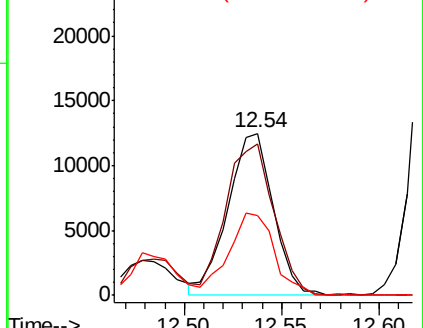
89 50.3 38.3 57.5



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: 20.064 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064728.D

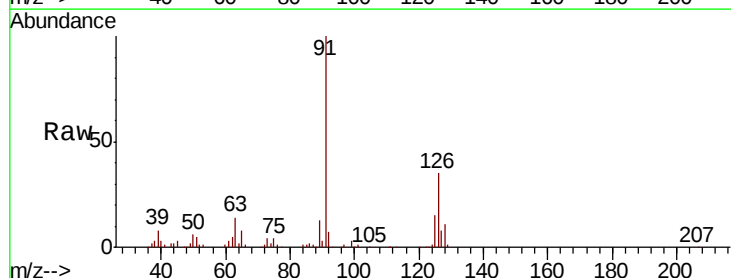
Acq: 03 Jan 2020 12:16

Tgt Ion: 91 Resp: 259542

Ion Ratio Lower Upper

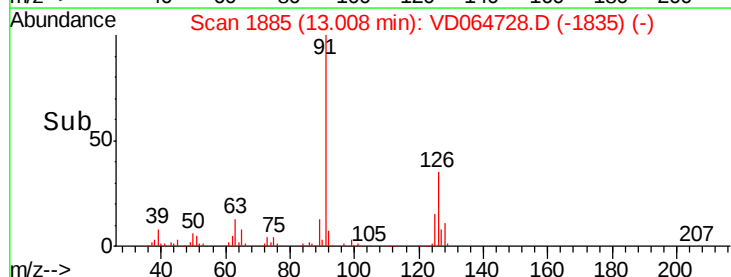
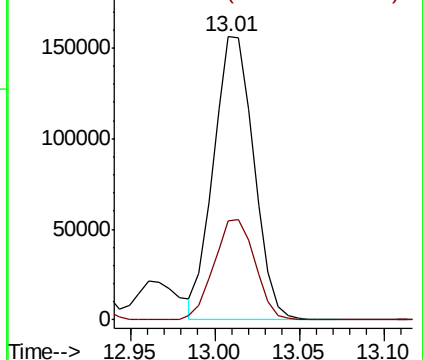
91 100

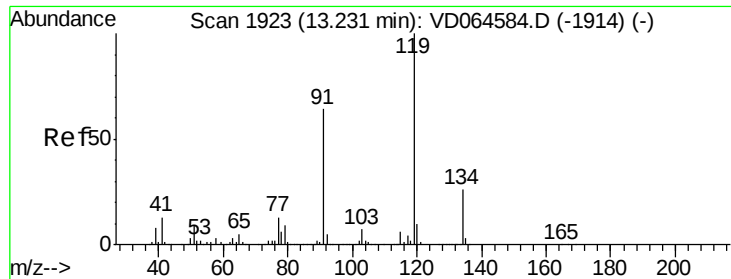
126 36.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

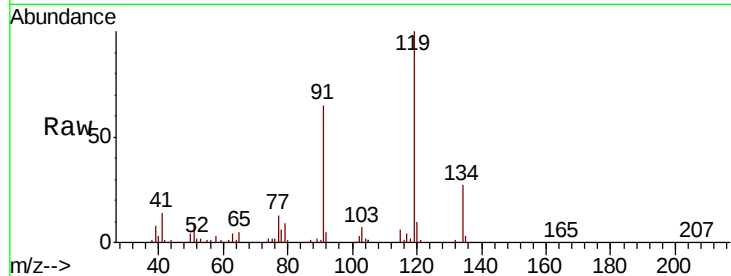




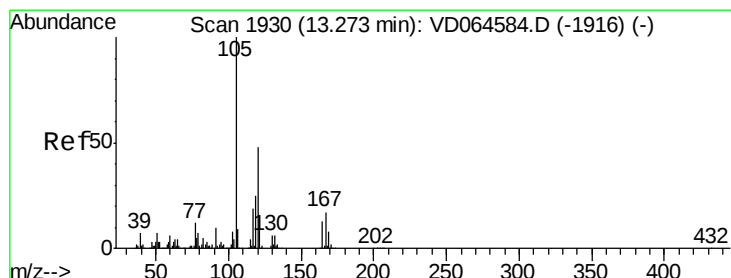
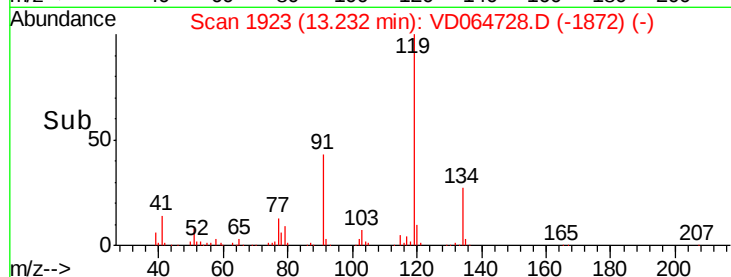
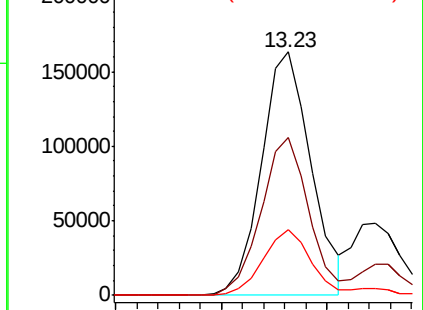
#83
tert-Butylbenzene
Concen: 19.694 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 266414
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 26.0 12.8 38.3

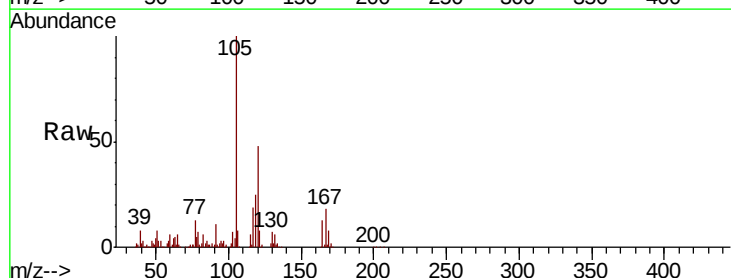


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

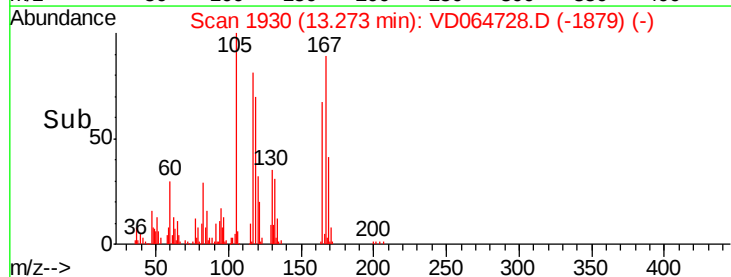
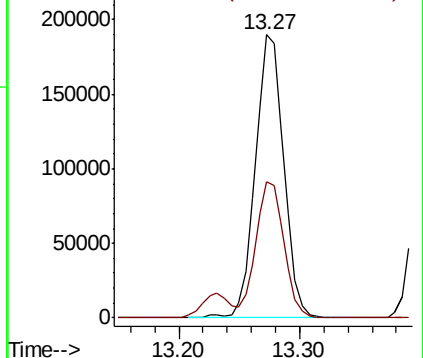


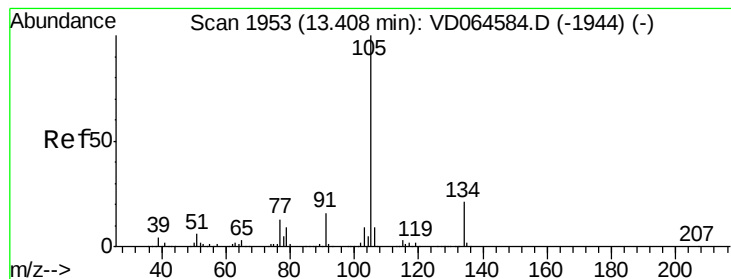
#84
1,2,4-Trimethylbenzene
Concen: 20.090 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion:105 Resp: 311742
Ion Ratio Lower Upper
105 100
120 47.4 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.238 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

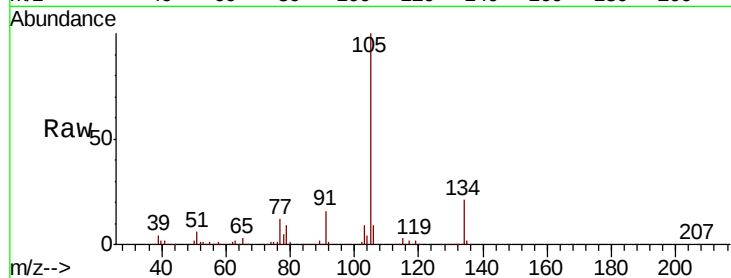
ClientSampled :

Tot Ion:105 Resp: 375327

Ion Ratio Lower Upper

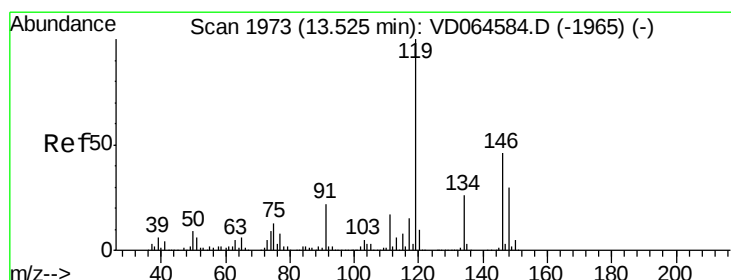
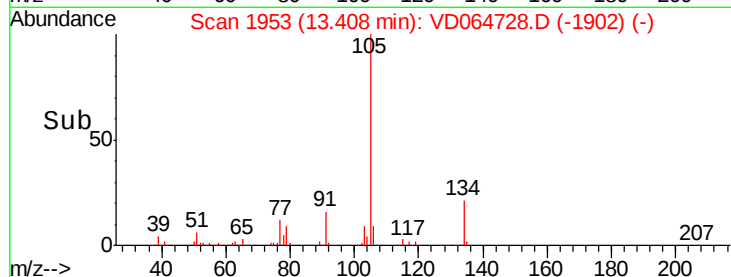
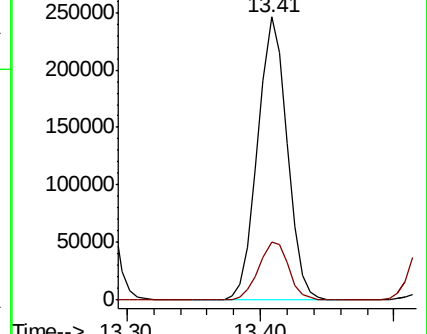
105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.875 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

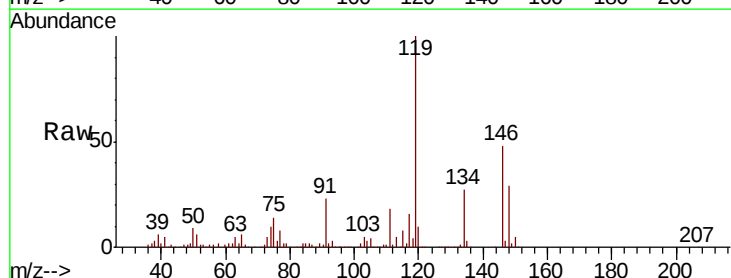
Tgt Ion:119 Resp: 352450

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

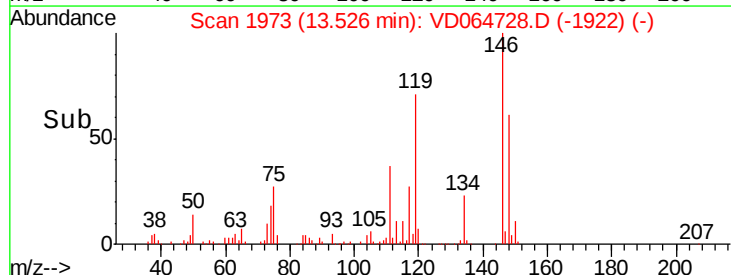
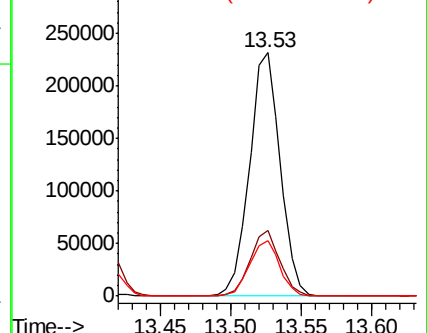
91 22.5 11.2 33.6

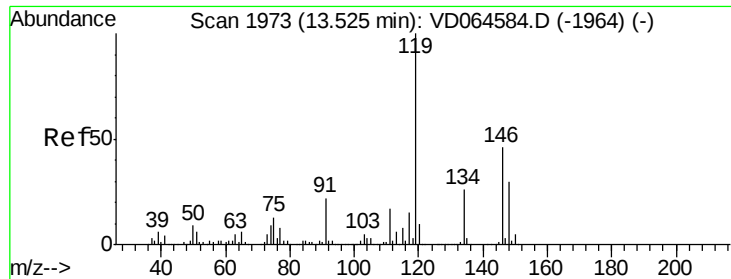


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.010 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

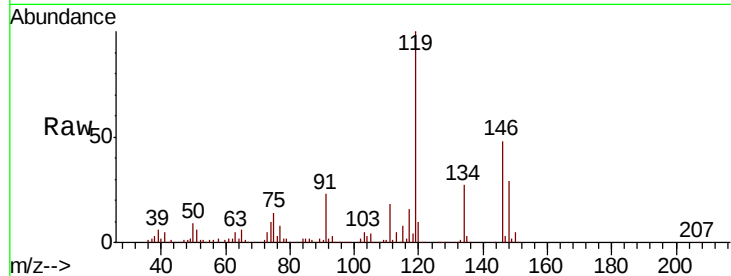
Tot Ion:146 Resp: 177776

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.4

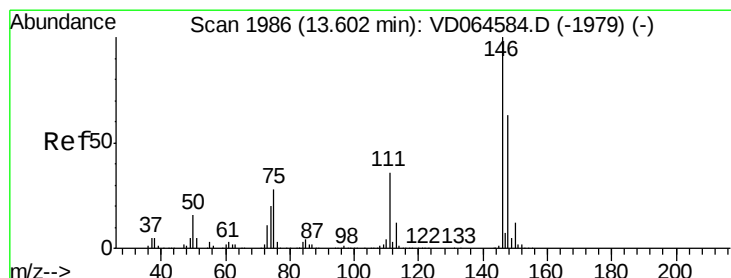
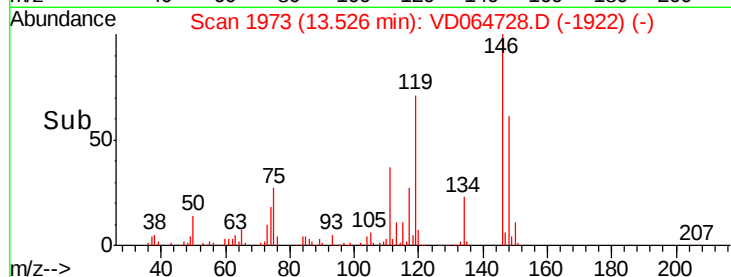
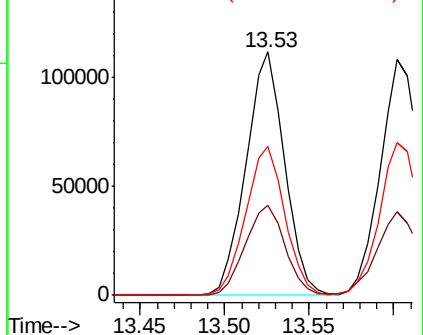
148 62.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.054 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

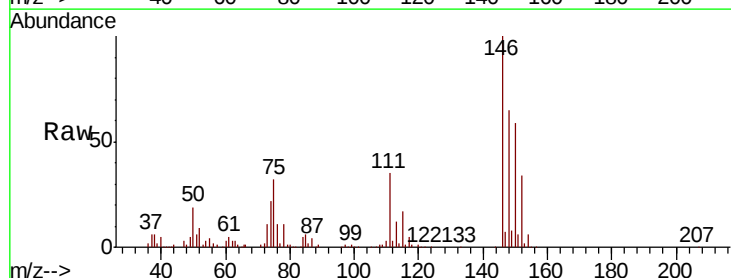
Tgt Ion:146 Resp: 175026

Ion Ratio Lower Upper

146 100

111 38.4 18.1 54.1

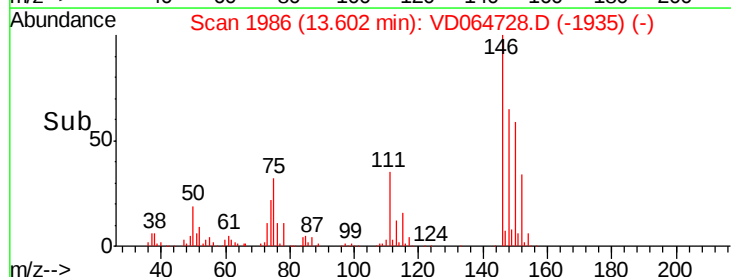
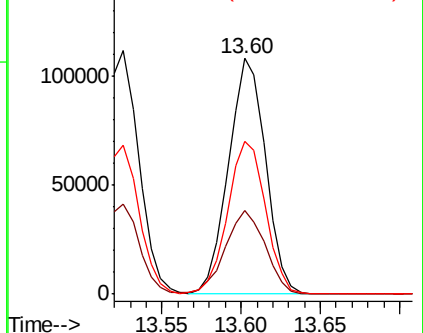
148 66.0 32.3 96.9

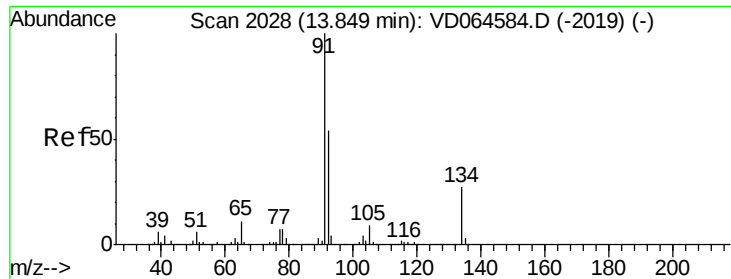


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

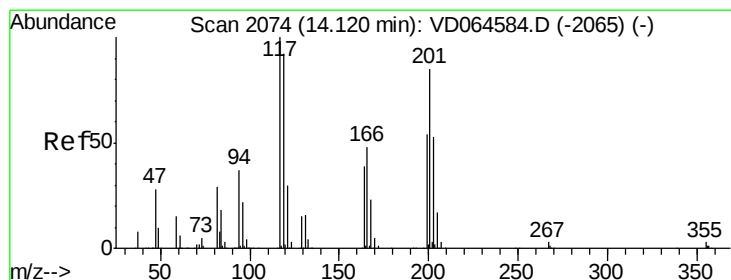
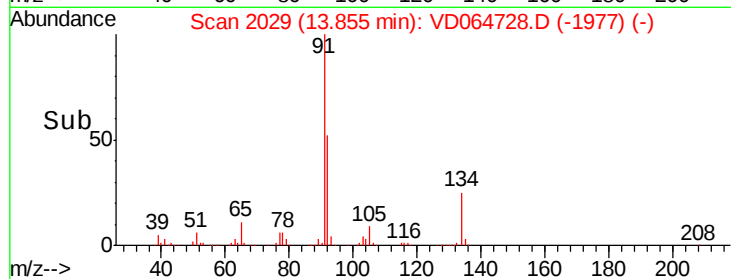
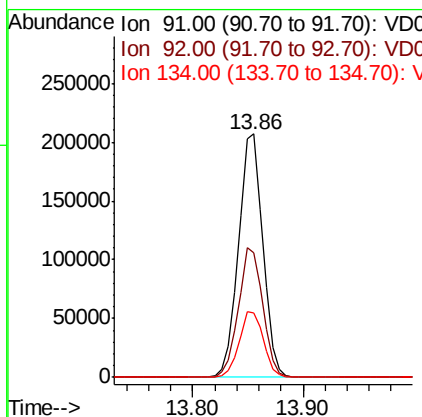
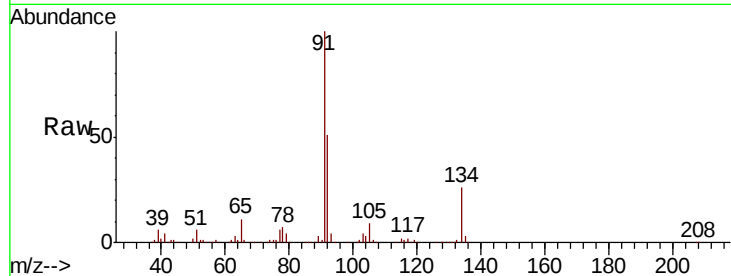




#89
n-Butylbenzene
Concen: 20.122 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

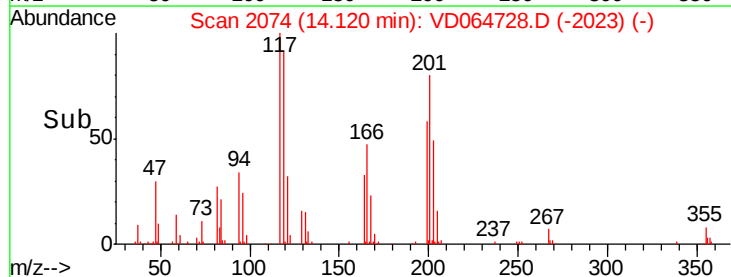
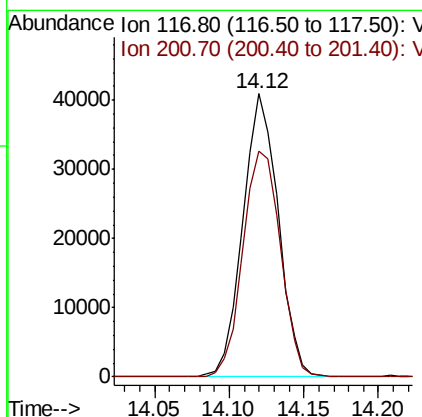
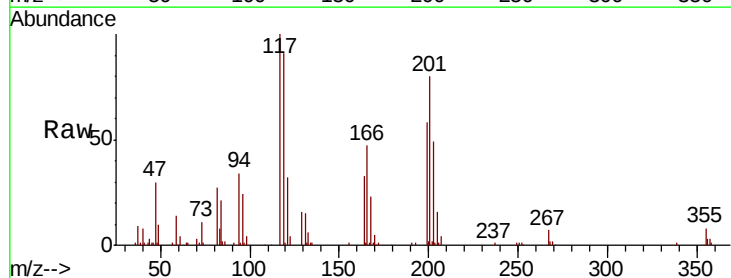
Instrument :
MSVOA_D
ClientSampled :

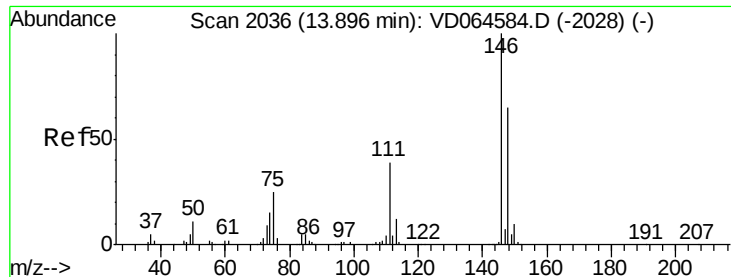
Tot Ion: 91 Resp: 321335
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 26.9 14.0 41.9



#90
Hexachloroethane
Concen: 19.853 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion: 117 Resp: 67252
Ion Ratio Lower Upper
117 100
201 84.6 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 19.922 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

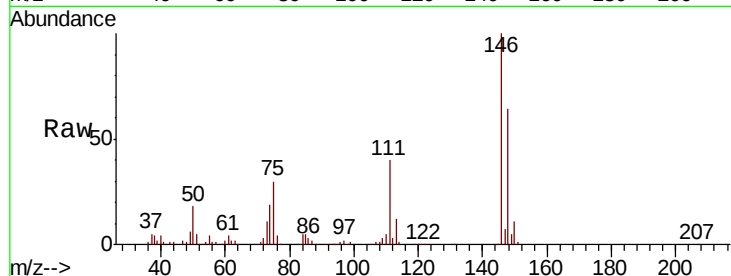
Tot Ion:146 Resp: 150922

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.9

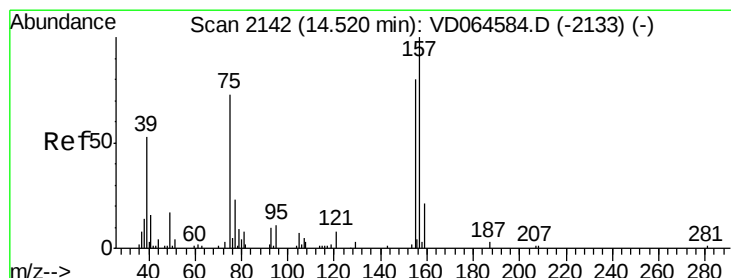
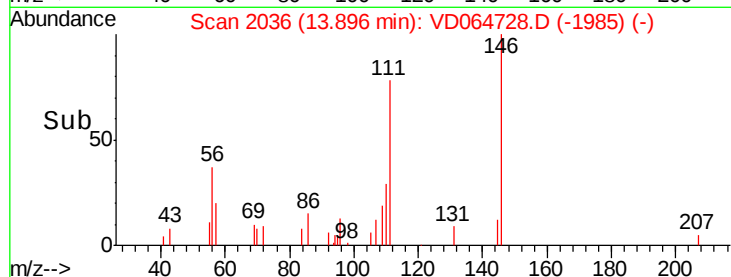
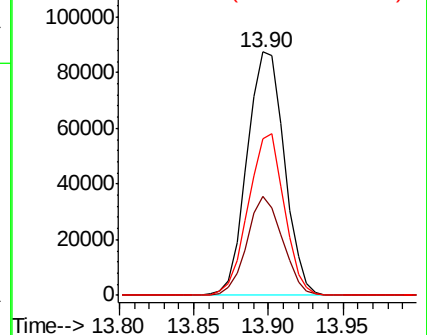
148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.163 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064728.D

Acq: 03 Jan 2020 12:16

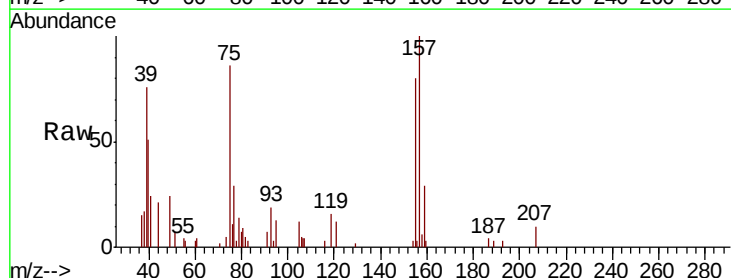
Tgt Ion: 75 Resp: 9739

Ion Ratio Lower Upper

75 100

155 93.6 48.0 144.0

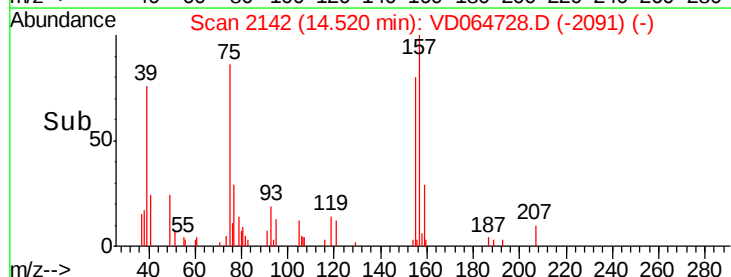
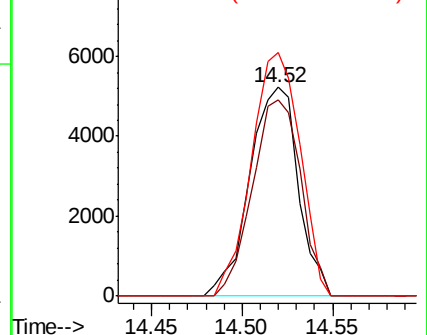
157 116.5 64.1 192.3

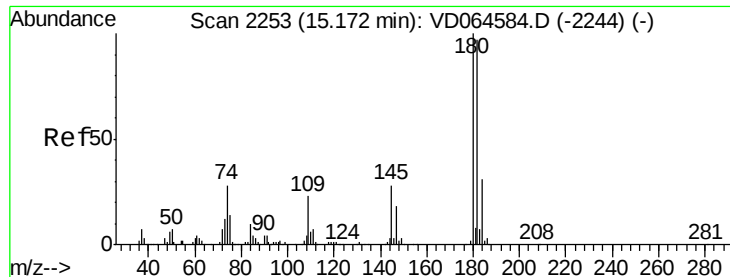


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

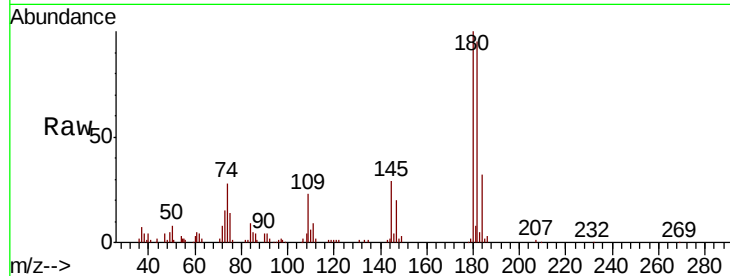




#93
 1,2,4-Trichlorobenzene
 Concen: 19.079 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.0	144.2
145	28.2	13.8	41.4

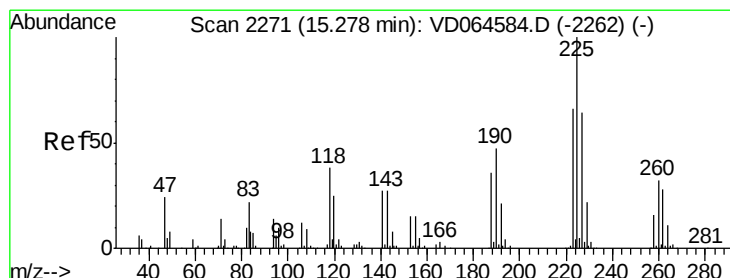
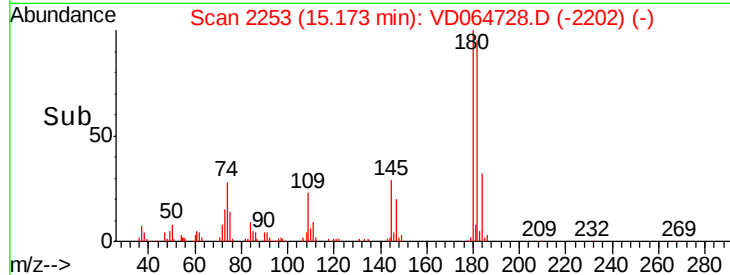
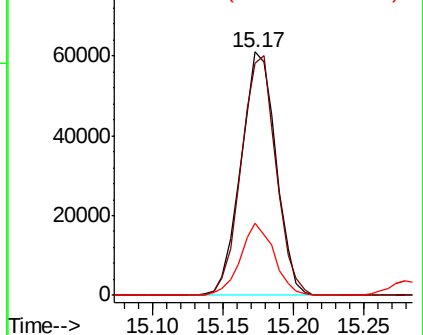


Abundance

Ion 179.80 (179.50 to 180.50): V

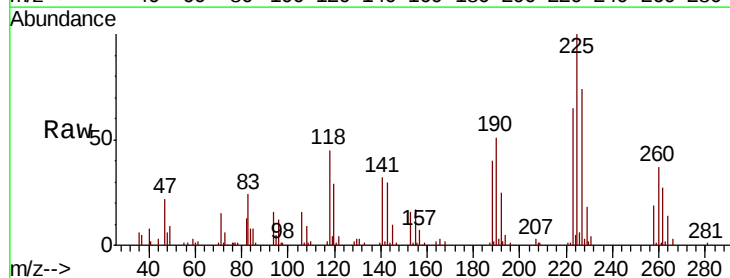
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.108 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064728.D
 Acq: 03 Jan 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.1	93.2
227	65.2	30.9	92.7

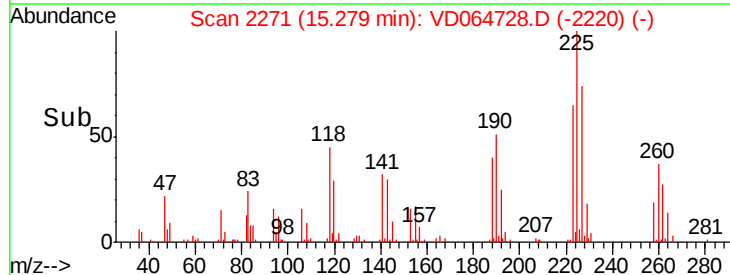
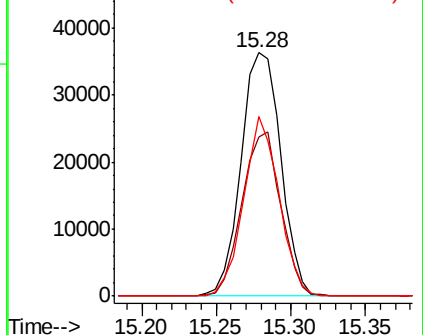


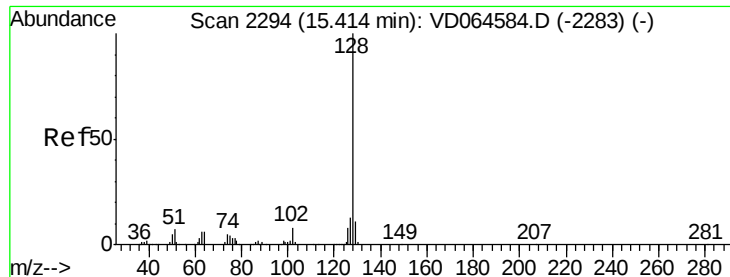
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

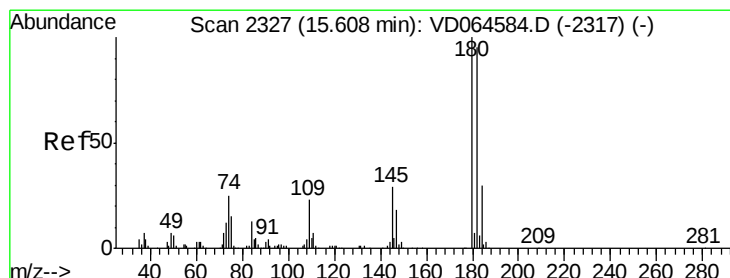
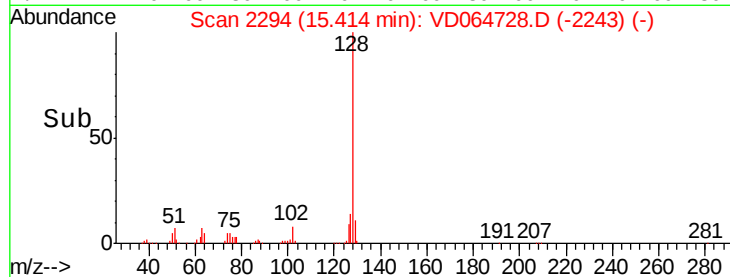
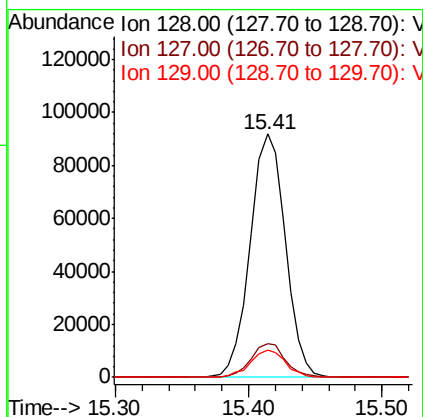
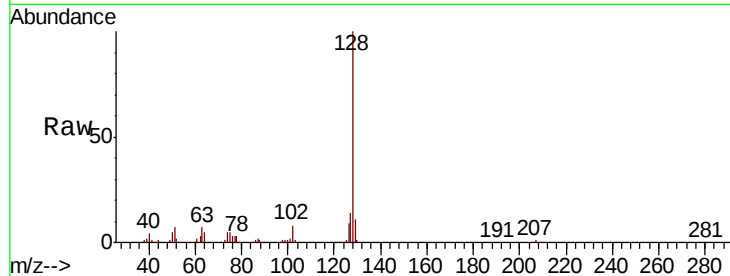




#95
Naphthalene
Concen: 18.988 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 167566
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.621 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064728.D
Acq: 03 Jan 2020 12:16

Tgt Ion:180 Resp: 93439
Ion Ratio Lower Upper
180 100
182 92.7 47.9 143.7
145 29.0 14.9 44.7

