

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064583.D
 Acq On : 24 Dec 2019 11:18
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:10:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	549114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	68484	17.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	34.20%	
35) Dibromofluoromethane	7.92	113	71477	17.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.84%	
50) Toluene-d8	10.34	98	265757	17.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.22%	
62) 4-Bromofluorobenzene	12.64	95	84107	17.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	34.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	71027	18.030	ug/l	99
3) Chloromethane	2.21	50	97521	19.363	ug/l	98
4) Vinyl Chloride	2.35	62	116996	20.112	ug/l	100
5) Bromomethane	2.76	94	82125	19.058	ug/l	96
6) Chloroethane	2.92	64	79160	20.191	ug/l	98
7) Trichlorofluoromethane	3.27	101	197459	20.296	ug/l	96
8) Diethyl Ether	3.71	74	38296	19.107	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84479	20.297	ug/l	99
10) Methyl Iodide	4.29	142	86634	19.828	ug/l	99
11) Tert butyl alcohol	5.25	59	19447	77.514	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	77707	19.558	ug/l	98
13) Acrolein	3.93	56	28857	83.453	ug/l	96
14) Allyl chloride	4.71	41	122285	19.763	ug/l	99
15) Acrylonitrile	5.44	53	80512	92.113	ug/l	99
16) Acetone	4.17	43	79067	98.965	ug/l	97
17) Carbon Disulfide	4.40	76	251517	20.032	ug/l	98
18) Methyl Acetate	4.73	43	42358	18.119	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170679	18.838	ug/l	92
20) Methylene Chloride	4.96	84	92280	19.960	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	89515	19.968	ug/l	97
22) Diisopropyl ether	6.37	45	240850	19.664	ug/l	98
23) Vinyl Acetate	6.31	43	671949	93.463	ug/l	99
24) 1,1-Dichloroethane	6.27	63	147020	20.014	ug/l	97
25) 2-Butanone	7.22	43	104431	92.264	ug/l	97
26) 2,2-Dichloropropane	7.21	77	129978	20.096	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96900	19.814	ug/l	98
28) Bromochloromethane	7.55	49	51057	19.775	ug/l	98
29) Tetrahydrofuran	7.57	42	66522	92.114	ug/l	99
30) Chloroform	7.71	83	151733	19.918	ug/l	99
31) Cyclohexane	7.98	56	142814	19.717	ug/l #	85
32) 1,1,1-Trichloroethane	7.91	97	143072	20.183	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123001	20.446	ug/l	100
37) Ethyl Acetate	7.30	43	47892	18.966	ug/l	98
38) Carbon Tetrachloride	8.10	117	128018	20.196	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150579	20.306	ug/l	95
40) Benzene	8.35	78	332195	20.050	ug/l	98
41) Methacrylonitrile	7.54	41	29890	20.923	ug/l	96
42) 1,2-Dichloroethane	8.43	62	97193	20.097	ug/l	100
43) Isopropyl Acetate	8.46	43	92512	18.691	ug/l	98
44) Trichloroethene	9.11	130	97342	19.503	ug/l	91
45) 1,2-Dichloropropane	9.39	63	78738	19.928	ug/l	95
46) Dibromomethane	9.48	93	44918	20.074	ug/l	99
47) Bromodichloromethane	9.67	83	117910	20.475	ug/l	97
48) Methyl methacrylate	9.46	41	41779	18.192	ug/l	88
49) 1,4-Dioxane	9.47	88	10759	391.757	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	233117	95.110	ug/l	99
52) Toluene	10.40	92	215271	19.841	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	110545	20.185	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	130186	20.006	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	58674	19.194	ug/l	93
56) Ethyl methacrylate	10.66	69	74640	19.229	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102612	19.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145388	94.438	ug/l	100
59) 2-Hexanone	10.99	43	158336	93.099	ug/l	99
60) Dibromochloromethane	11.14	129	80610	19.406	ug/l	98
61) 1,2-Dibromoethane	11.25	107	59265	19.436	ug/l	99
64) Tetrachloroethene	10.88	164	86139	20.580	ug/l	98
65) Chlorobenzene	11.67	112	231422	20.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	84860	19.974	ug/l	100
67) Ethyl Benzene	11.75	91	417492	20.367	ug/l	100
68) m/p-Xylenes	11.86	106	319539	40.770	ug/l	99
69) o-Xylene	12.18	106	143637	19.942	ug/l	99
70) Styrene	12.20	104	251630	20.062	ug/l	98
71) Bromoform	12.37	173	49310	19.443	ug/l #	99
73) Isopropylbenzene	12.48	105	392784	19.844	ug/l	99
74) N-amyl acetate	12.29	43	84275	18.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	62041	19.180	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	82897	37.481	ug/l #	100
77) Bromobenzene	12.77	156	97729	20.084	ug/l	99
78) n-propylbenzene	12.83	91	461669	20.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	250023	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	323400	19.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20318	19.640	ug/l	99
82) 4-Chlorotoluene	13.01	91	266721	20.037	ug/l	100
83) tert-Butylbenzene	13.23	119	280350	19.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	320005	19.679	ug/l	98
85) sec-Butylbenzene	13.41	105	381198	19.769	ug/l	100
86) p-Isopropyltoluene	13.53	119	361525	19.774	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180023	19.450	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178833	19.560	ug/l	98
89) n-Butylbenzene	13.85	91	333029	20.127	ug/l	100
90) Hexachloroethane	14.12	117	71629	20.926	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	156894	19.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9927	18.212	ug/l	95

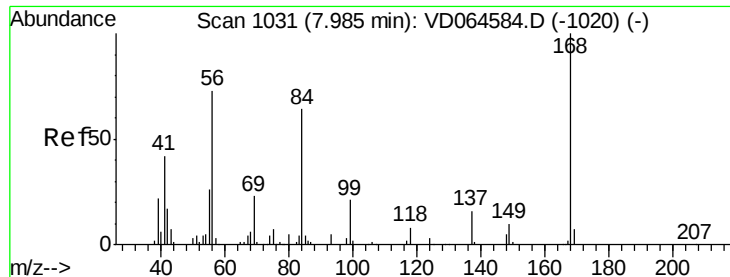
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114898	19.062	ug/l	99
94) Hexachlorobutadiene	15.28	225	72408	19.509	ug/l	98
95) Naphthalene	15.41	128	178925	17.886	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98619	19.219	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

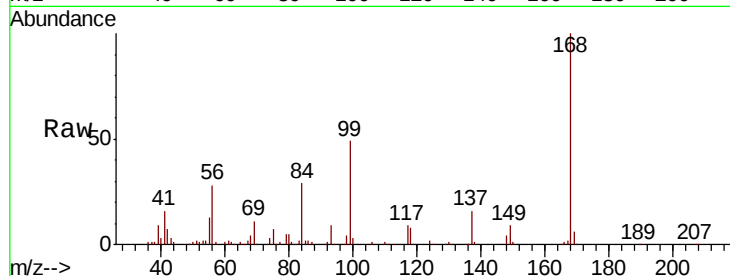
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 441229

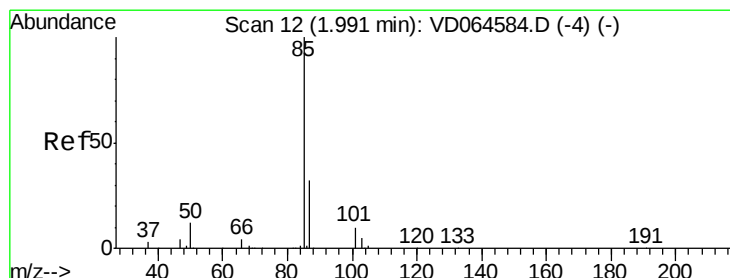
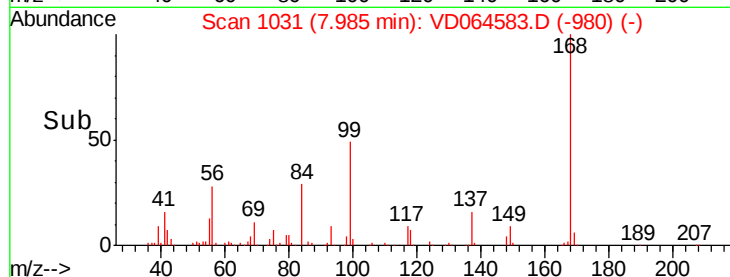
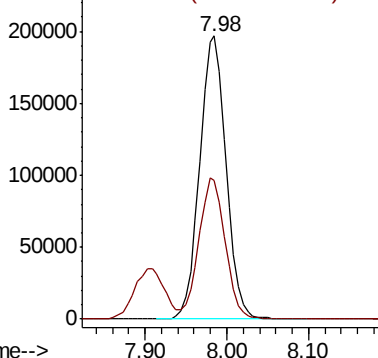
Ion Ratio Lower Upper

168 100

99 49.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.030 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064583.D

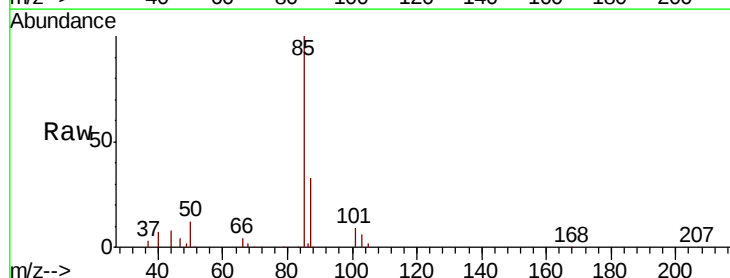
Acq: 24 Dec 2019 11:18

Tgt Ion: 85 Resp: 71027

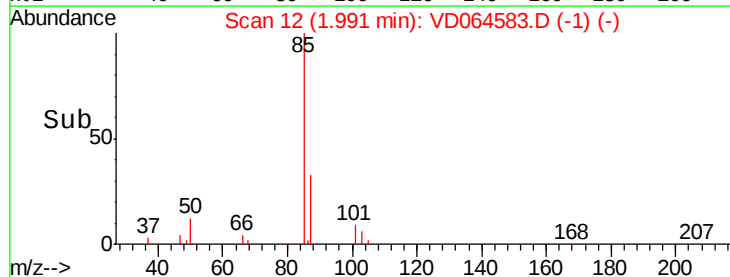
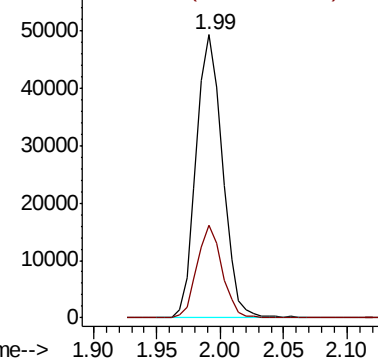
Ion Ratio Lower Upper

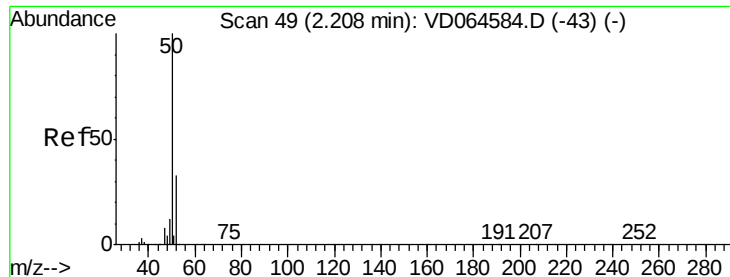
85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.363 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

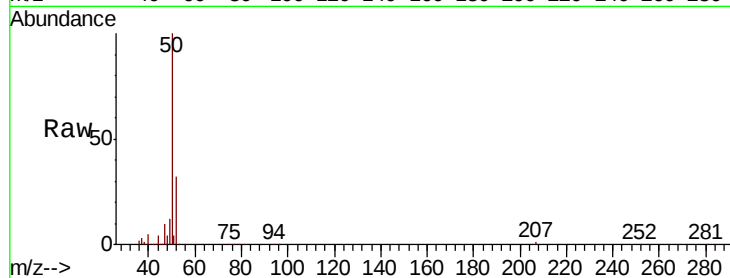
ClientSampleId :

Tot Ion: 50 Resp: 97521

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

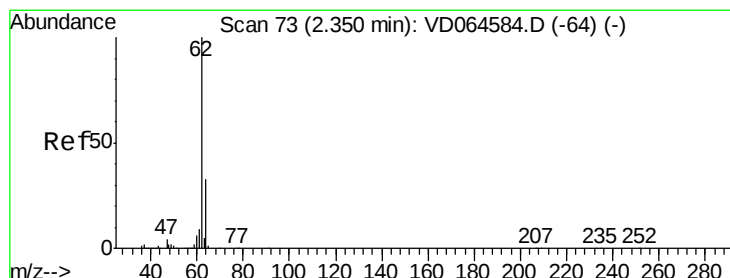
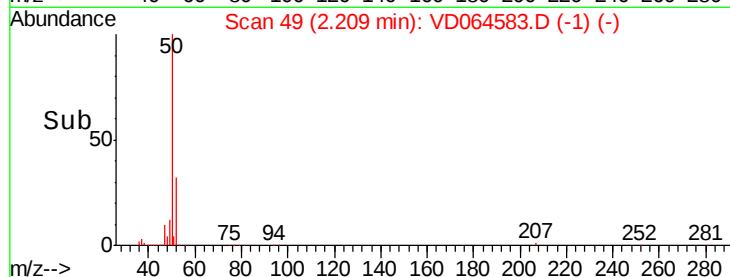
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064583.D

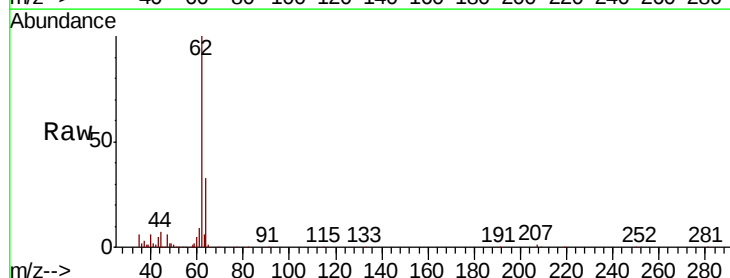
Acq: 24 Dec 2019 11:18

Tgt Ion: 62 Resp: 116996

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

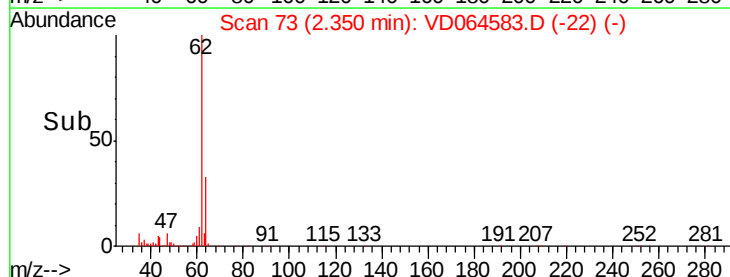
40000

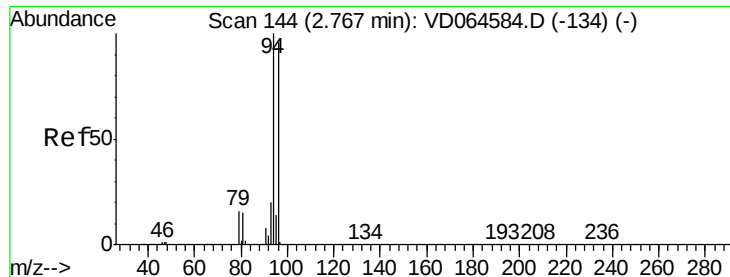
20000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 19.058 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

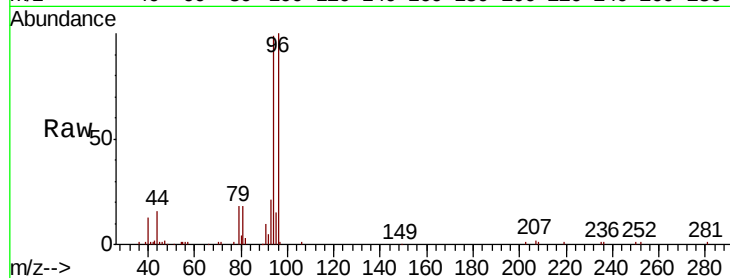
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 82125

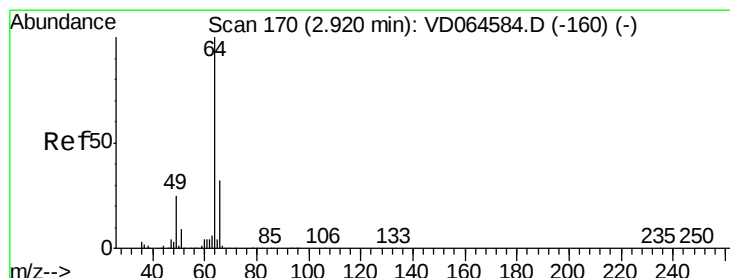
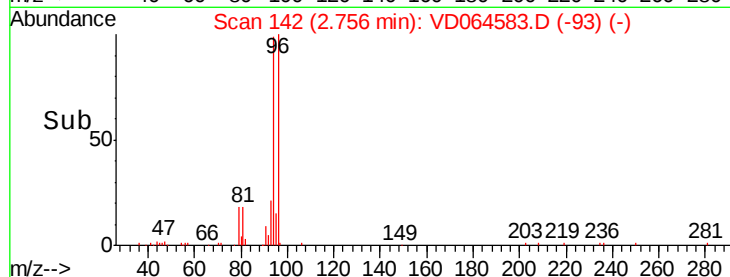
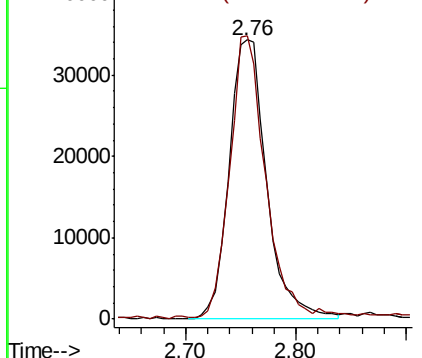
Ion Ratio Lower Upper

94 100

96 100.6 77.2 115.8



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



#6

Chloroethane

Concen: 20.191 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064583.D

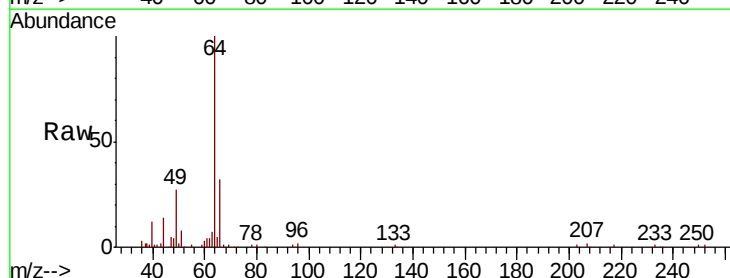
Acq: 24 Dec 2019 11:18

Tgt Ion: 64 Resp: 79160

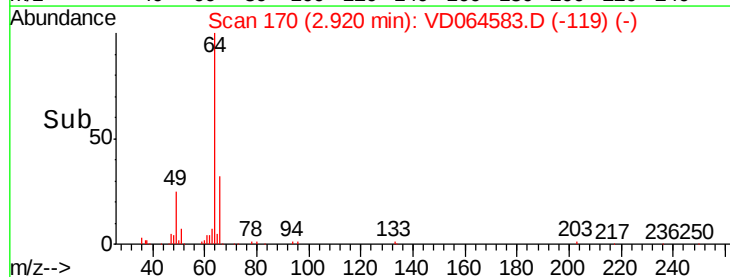
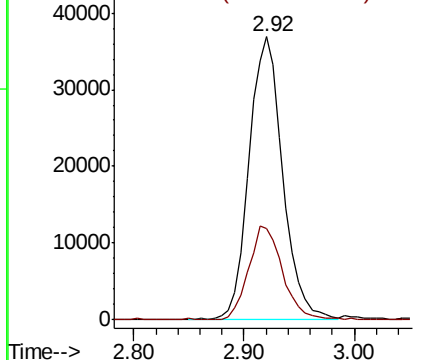
Ion Ratio Lower Upper

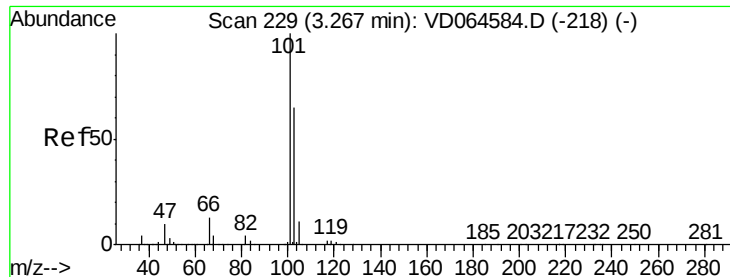
64 100

66 31.6 25.9 38.9



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



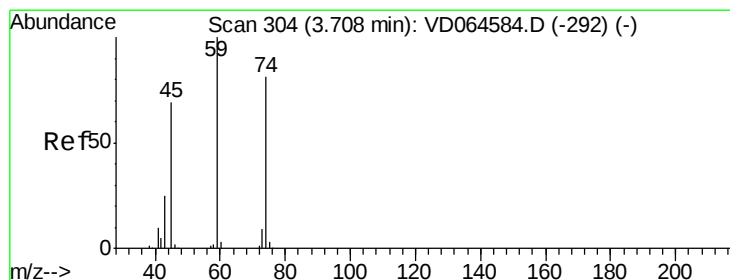
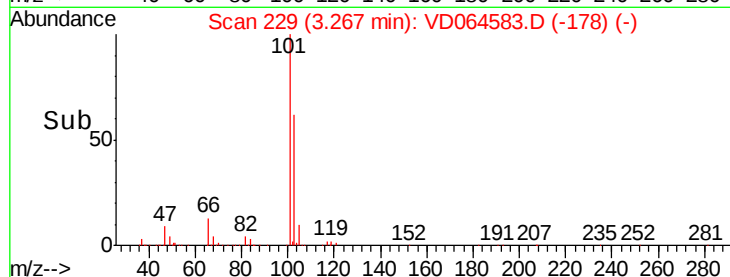
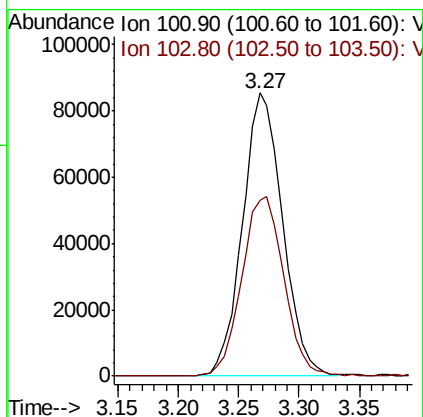
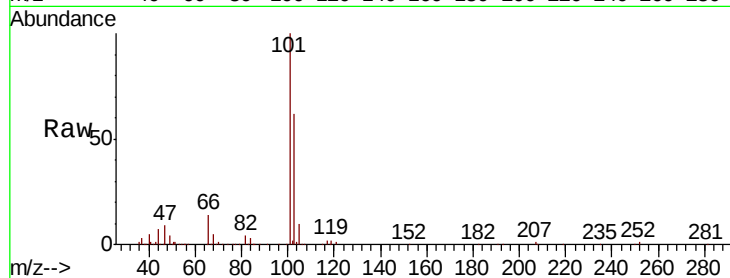


#7

Trichlorofluoromethane
 Concen: 20.296 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

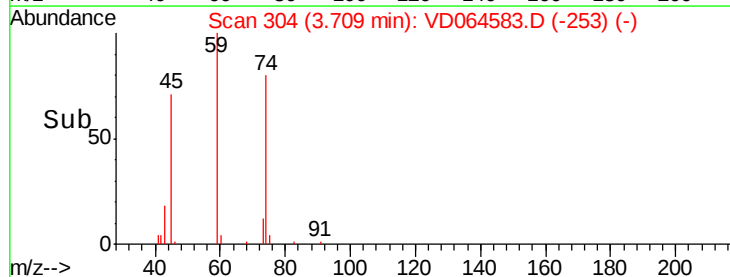
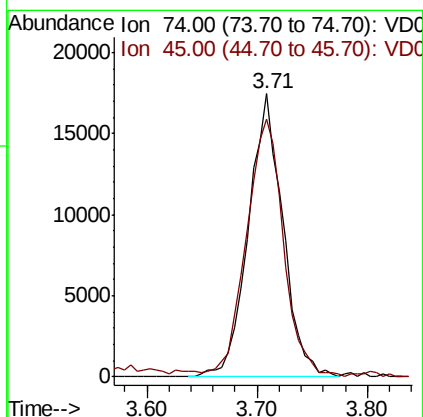
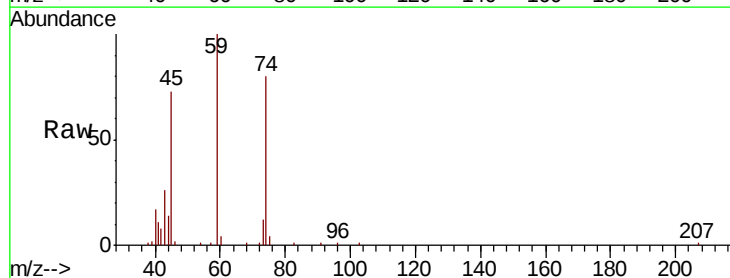
Tot Ion:101 Resp: 197459
 Ion Ratio Lower Upper
 101 100
 103 62.0 52.2 78.4



#8

Diethyl Ether
 Concen: 19.107 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 74 Resp: 38296
 Ion Ratio Lower Upper
 74 100
 45 98.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.297 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

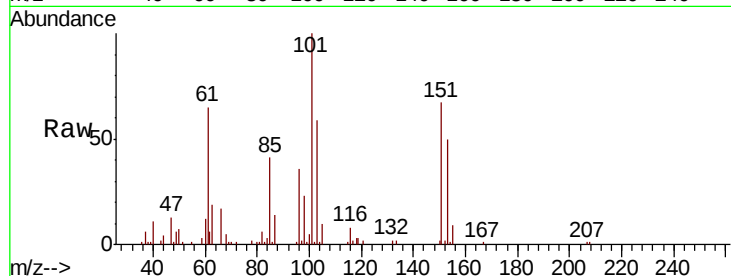
Tot Ion:101 Resp: 84479

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

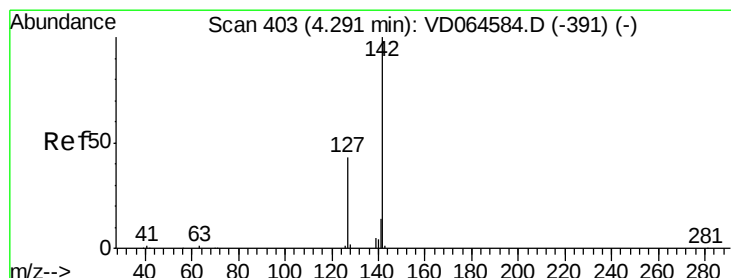
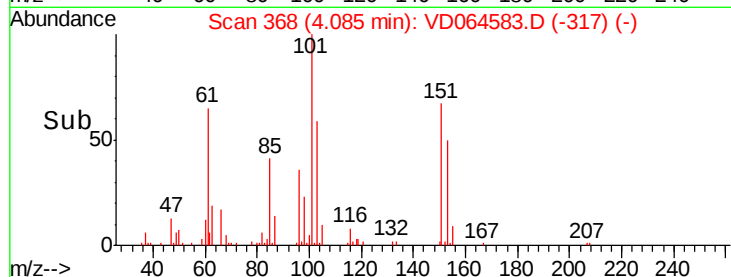
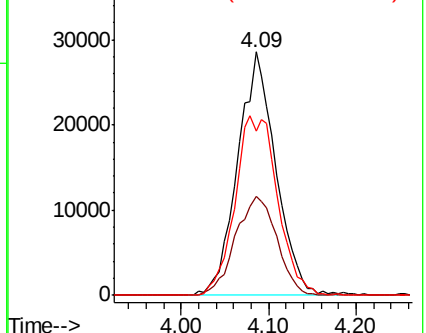
151 82.2 66.2 99.4



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: 19.828 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

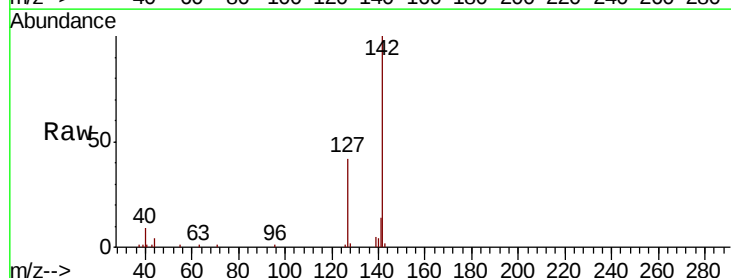
Tgt Ion:142 Resp: 86634

Ion Ratio Lower Upper

142 100

127 46.1 36.2 54.4

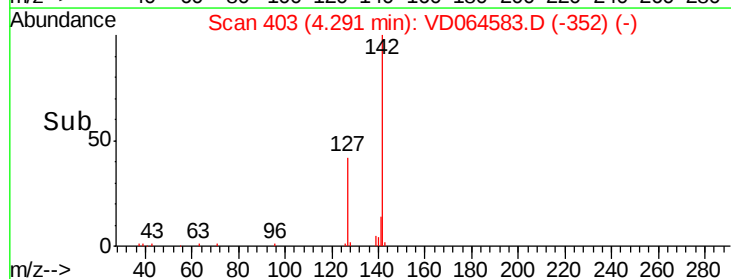
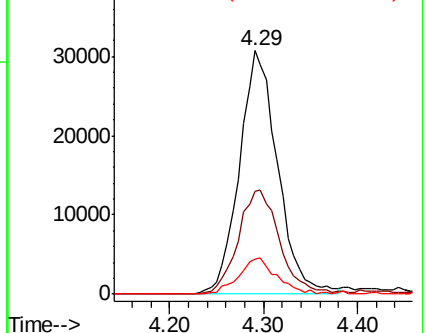
141 14.6 11.8 17.8

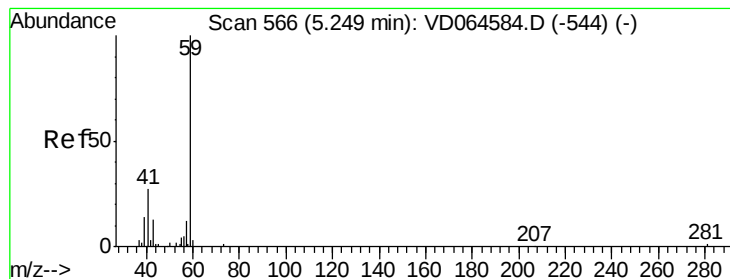


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



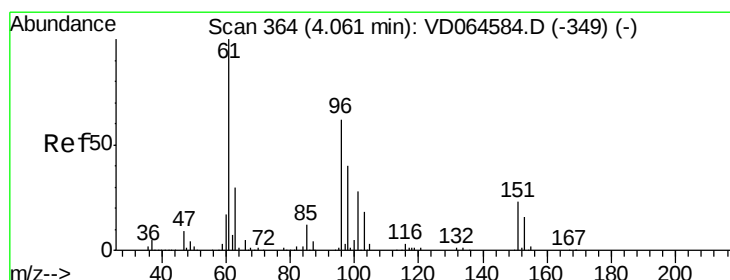
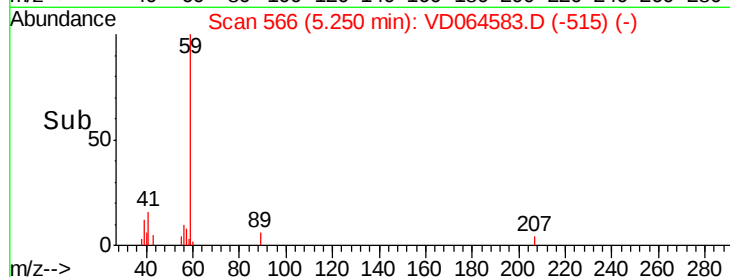
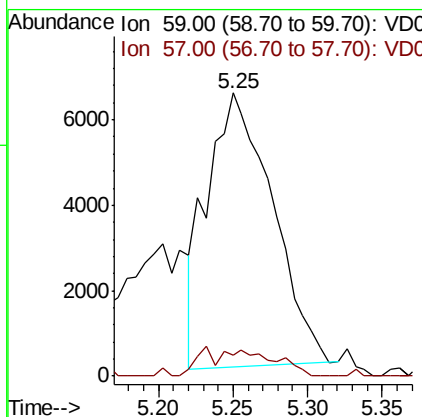
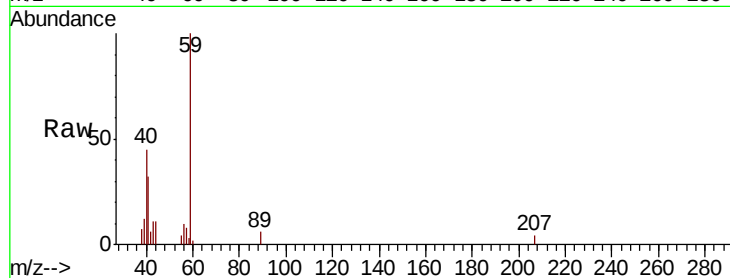


#11

Tert butyl alcohol
 Concen: 77.514 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

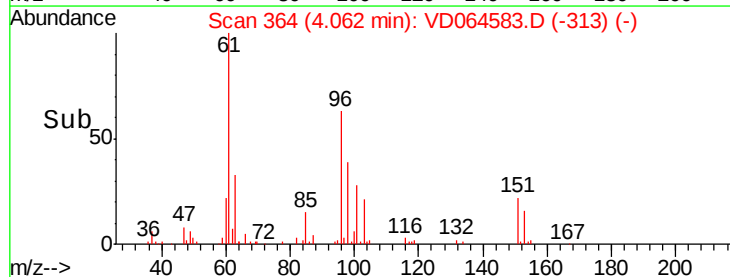
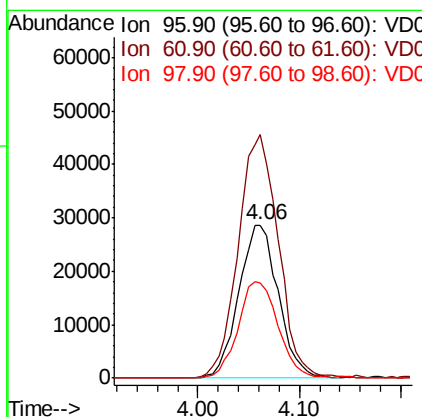
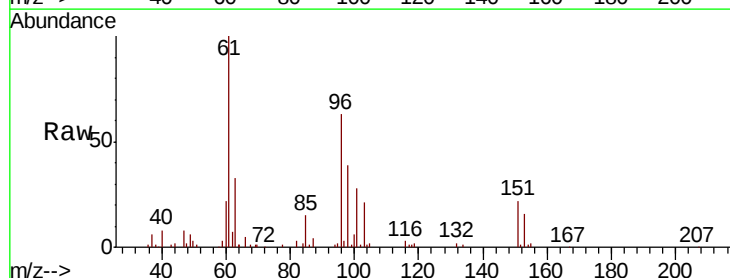
Tot Ion: 59 Resp: 19447
 Ion Ratio Lower Upper
 59 100
 57 7.7 9.3 13.9#

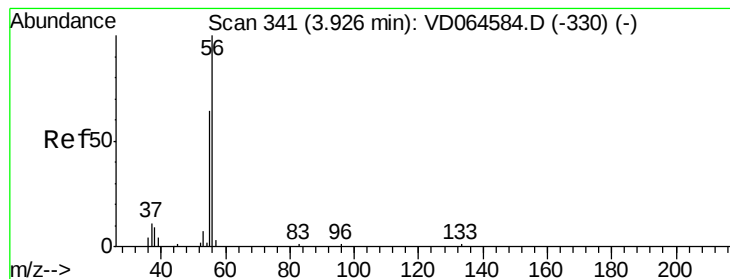


#12

1,1-Dichloroethene
 Concen: 19.558 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 96 Resp: 77707
 Ion Ratio Lower Upper
 96 100
 61 158.9 129.4 194.0
 98 62.0 51.4 77.0





#13

Acrolein

Concen: 83.453 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

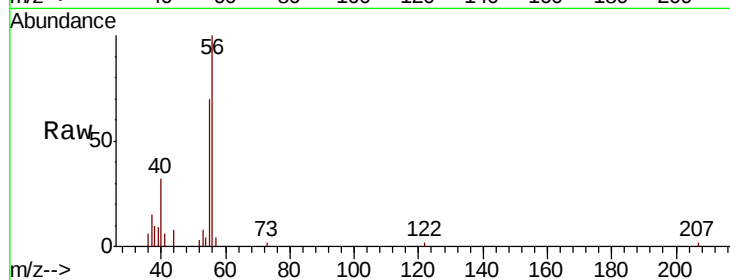
ClientSampleId :

Tot Ion: 56 Resp: 28857

Ion Ratio Lower Upper

56 100

55 67.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

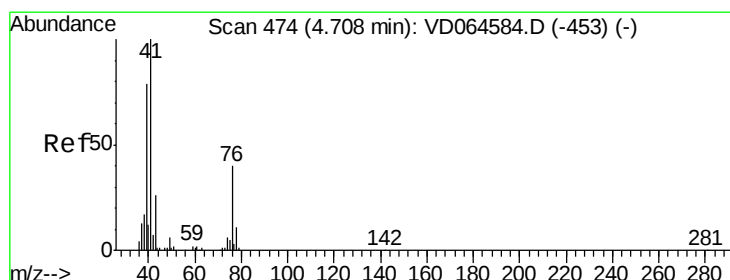
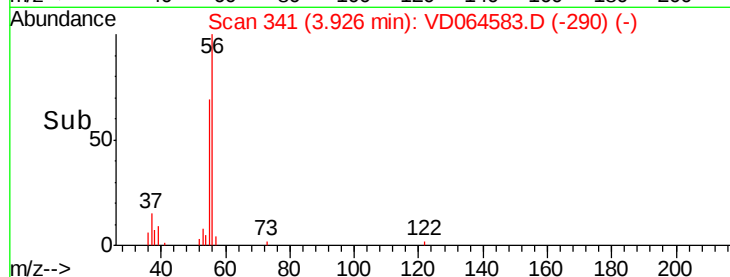
4000

2000

0

Time--> 3.80 3.90 4.00

3.93



#14

Allyl chloride

Concen: 19.763 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

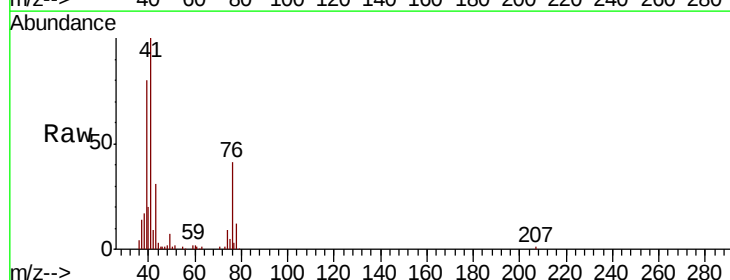
Tgt Ion: 41 Resp: 122285

Ion Ratio Lower Upper

41 100

39 78.3 62.3 93.5

76 37.8 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

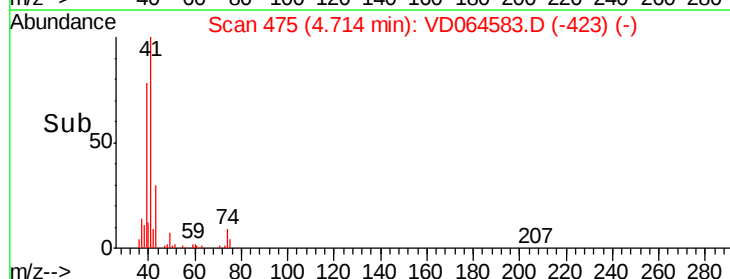
20000

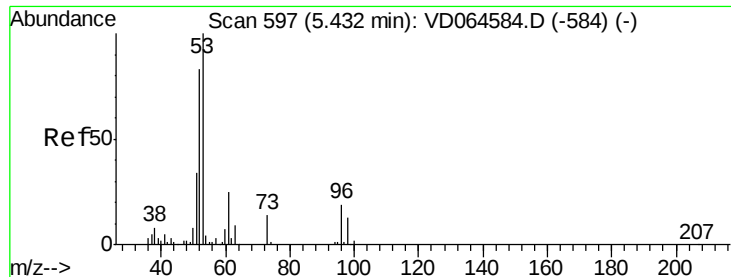
10000

0

Time--> 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 92.113 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

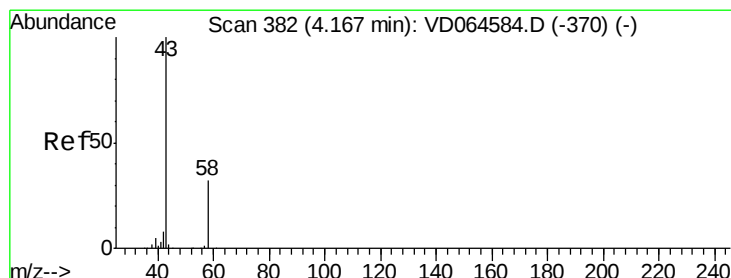
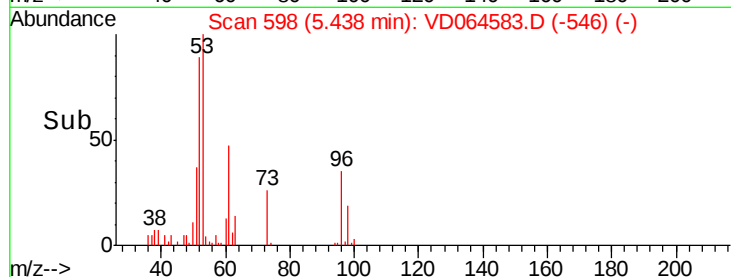
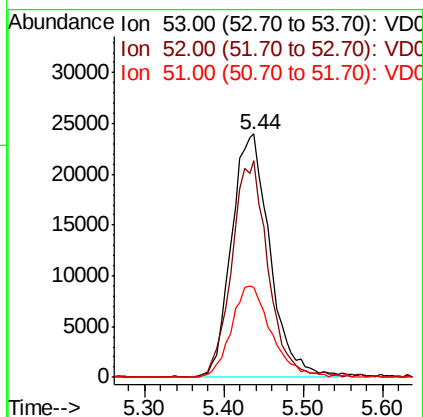
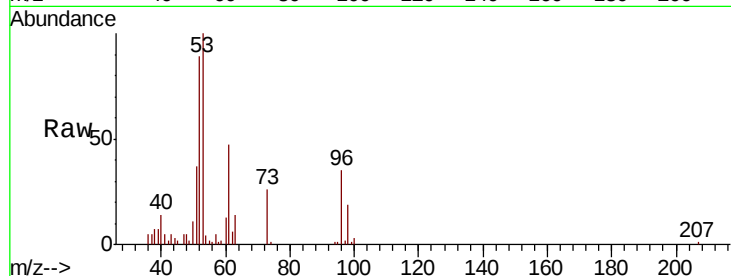
Tot Ion: 53 Resp: 80512

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.2

51 38.8 30.1 45.1



#16

Acetone

Concen: 98.965 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064583.D

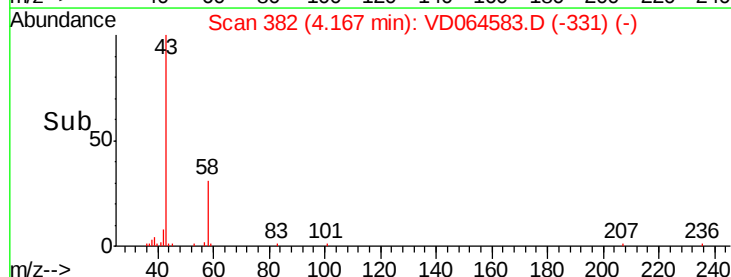
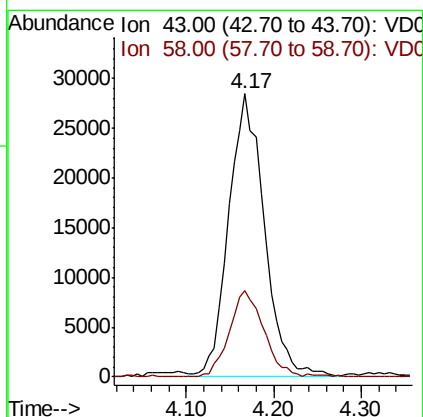
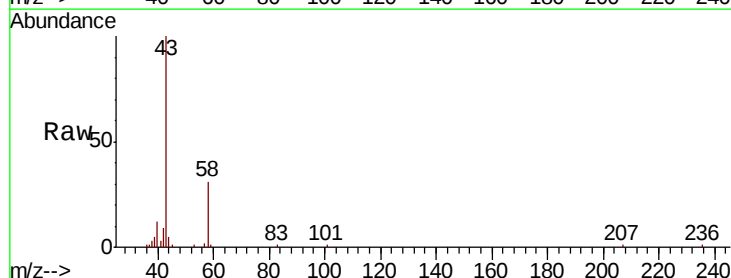
Acq: 24 Dec 2019 11:18

Tgt Ion: 43 Resp: 79067

Ion Ratio Lower Upper

43 100

58 30.6 25.8 38.6





#17

Carbon Disulfide

Concen: 20.032 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

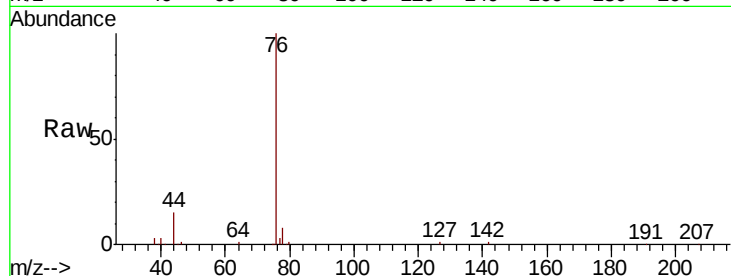
ClientSampleId :

Tot Ion: 76 Resp: 251517

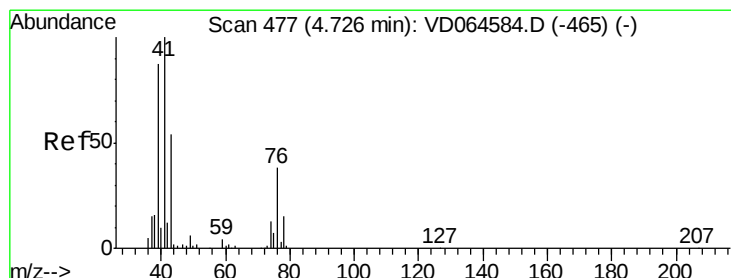
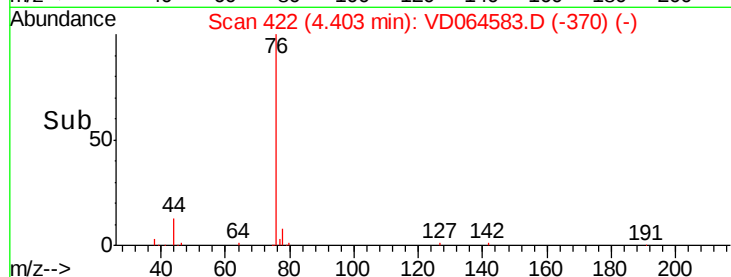
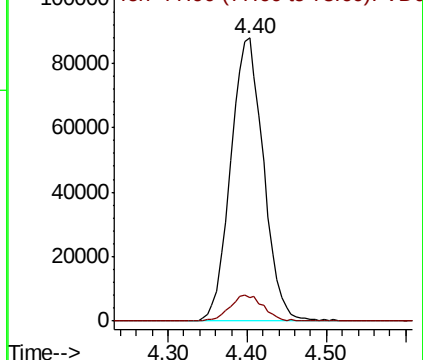
Ion Ratio Lower Upper

76 100

78 8.3 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: 18.119 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064583.D

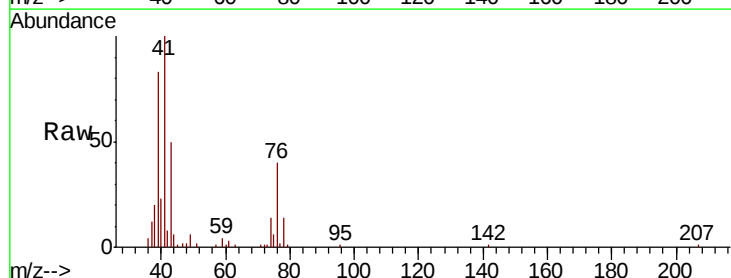
Acq: 24 Dec 2019 11:18

Tgt Ion: 43 Resp: 42358

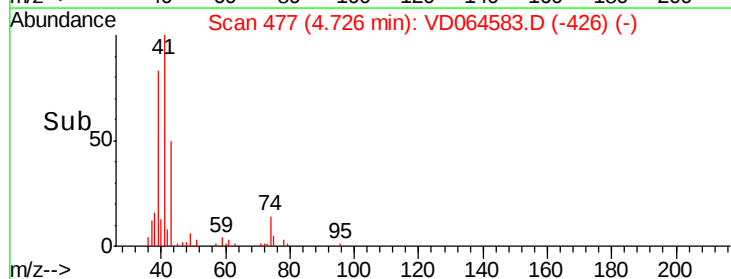
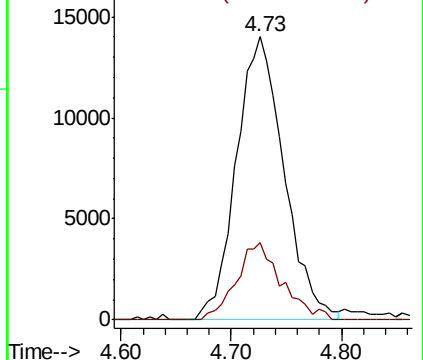
Ion Ratio Lower Upper

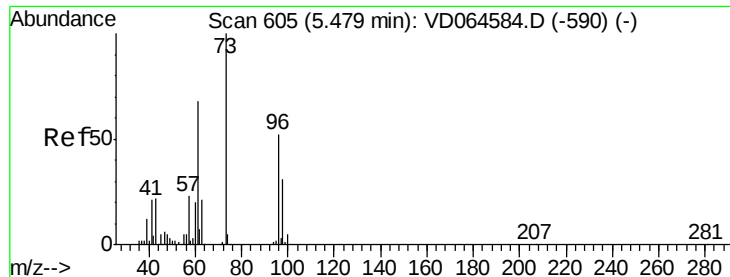
43 100

74 26.0 19.2 28.8



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

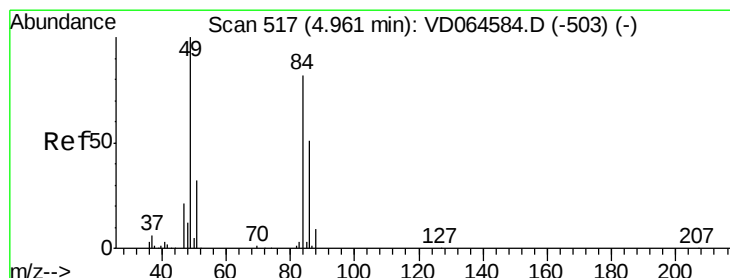
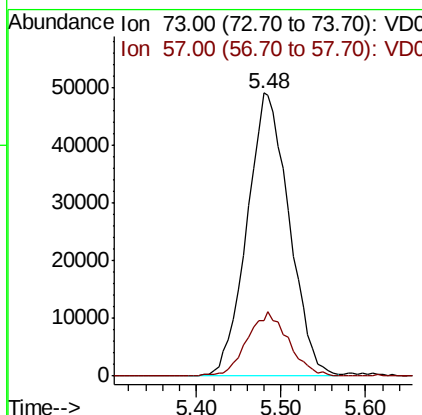
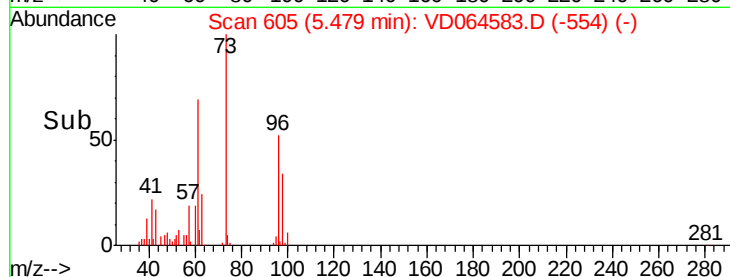
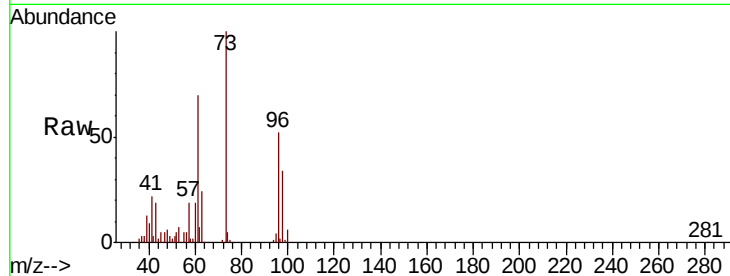




#19
Methvl tert-butvl Ether
Concen: 18.838 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

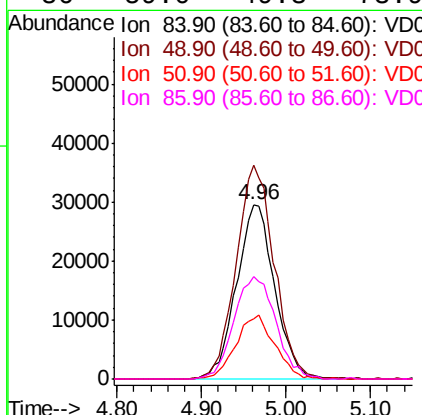
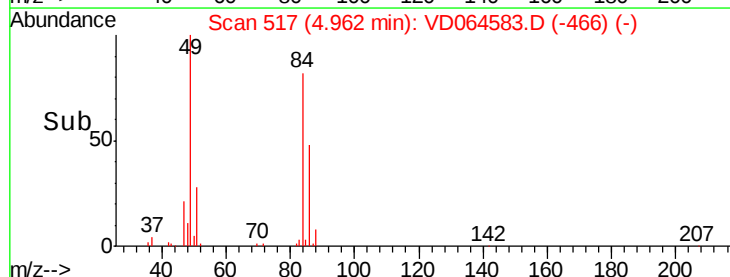
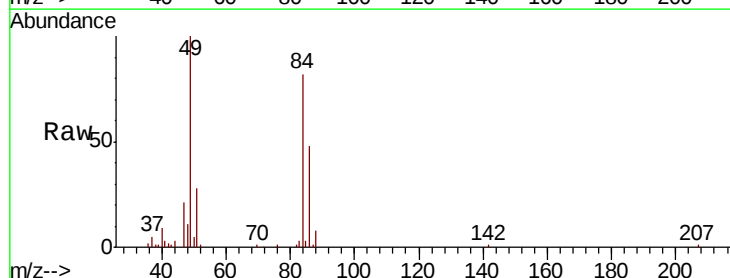
Instrument :
MSVOA_D
ClientSampleId :

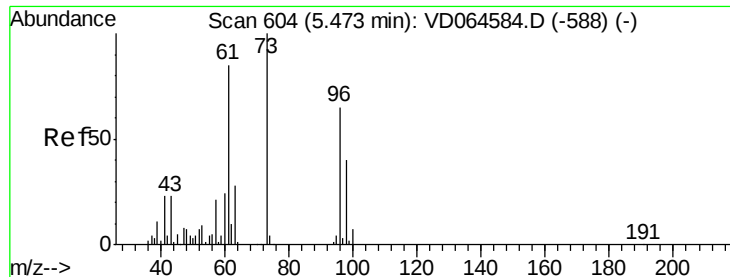
Tot Ion: 73 Resp: 170679
Ion Ratio Lower Upper
73 100
57 19.4 18.6 27.8



#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 84 Resp: 92280
Ion Ratio Lower Upper
84 100
49 122.5 97.2 145.8
51 34.5 31.4 47.0
86 59.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.968 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampled :

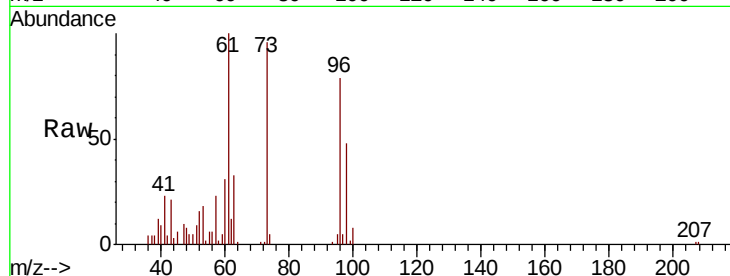
Tot Ion: 96 Resp: 89515

Ion Ratio Lower Upper

96 100

61 126.2 104.7 157.1

98 60.8 49.4 74.2

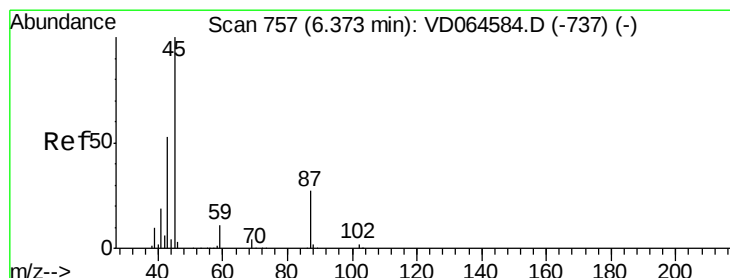
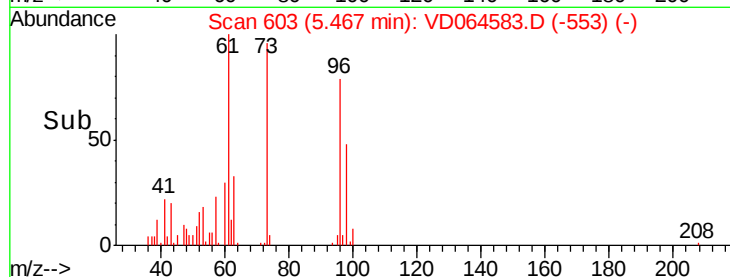
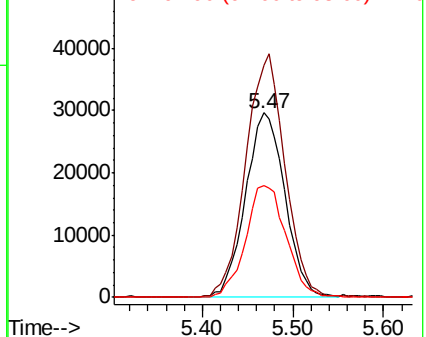


Abundance

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: 19.664 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion: 45 Resp: 240850

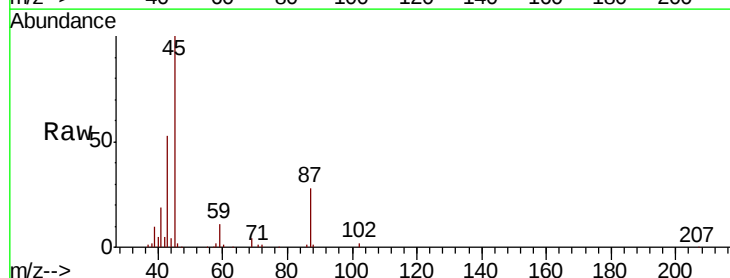
Ion Ratio Lower Upper

45 100

43 52.0 43.2 64.8

87 27.7 21.9 32.9

59 10.6 9.0 13.4



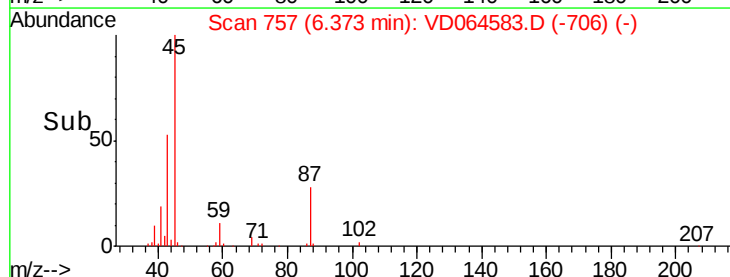
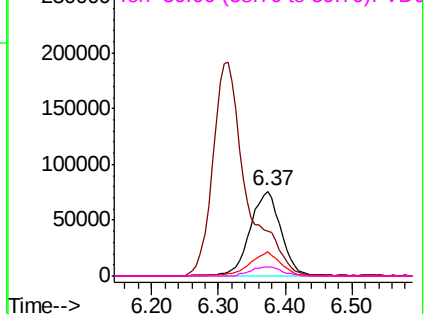
Abundance

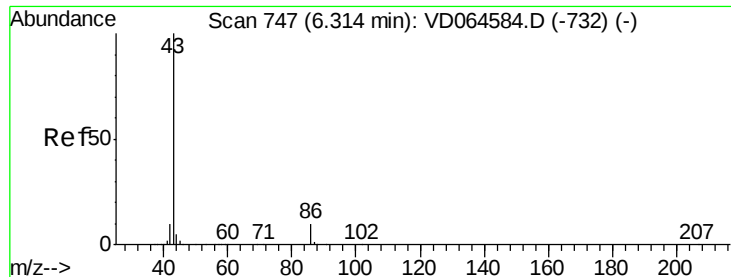
Ion 45.00 (44.70 to 45.70): VDC

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: 93.463 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

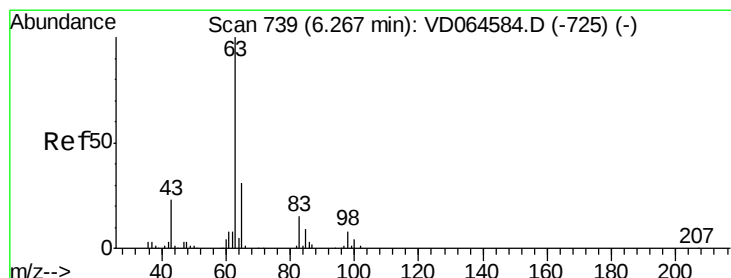
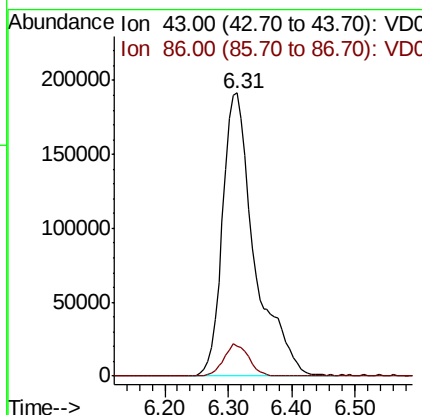
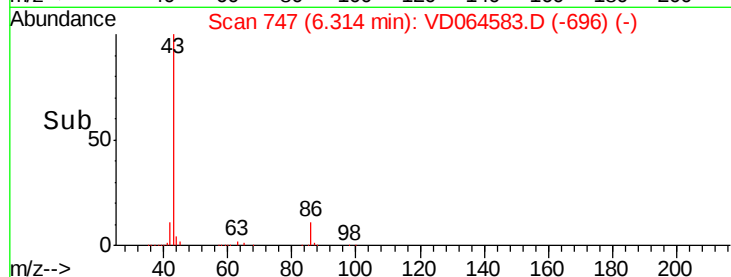
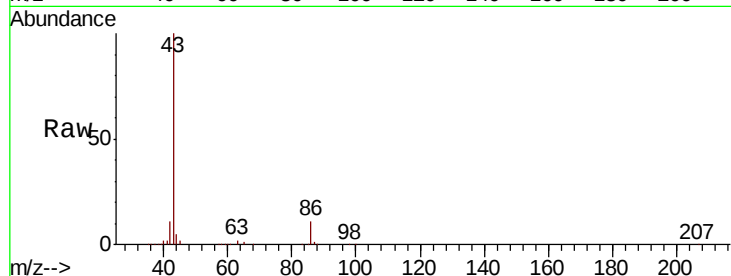
ClientSampleId :

Tot Ion: 43 Resp: 671949

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 20.014 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

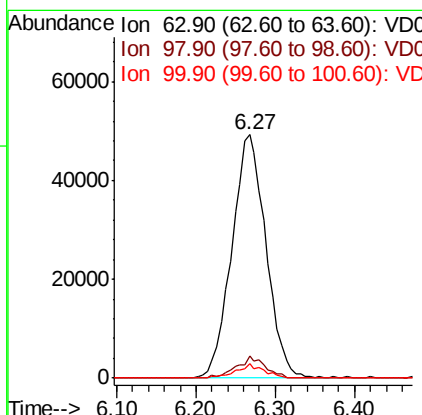
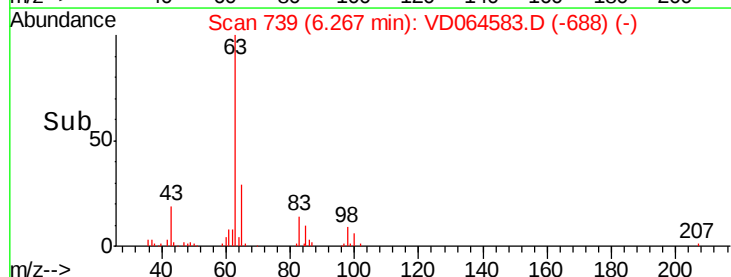
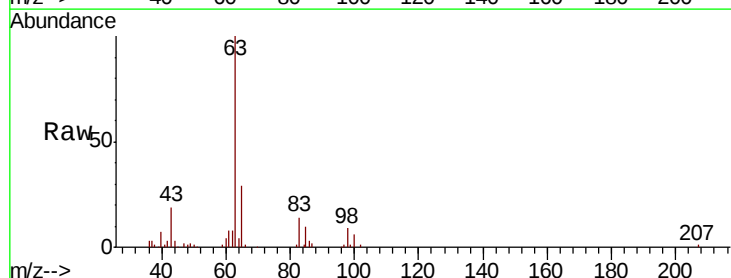
Tgt Ion: 63 Resp: 147020

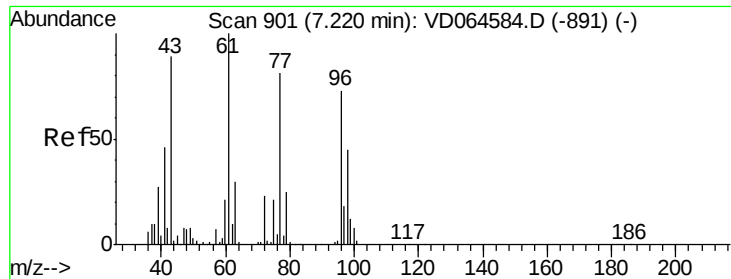
Ion Ratio Lower Upper

63 100

98 9.1 4.1 12.3

100 5.7 2.2 6.6





#25

2-Butanone

Concen: 92.264 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

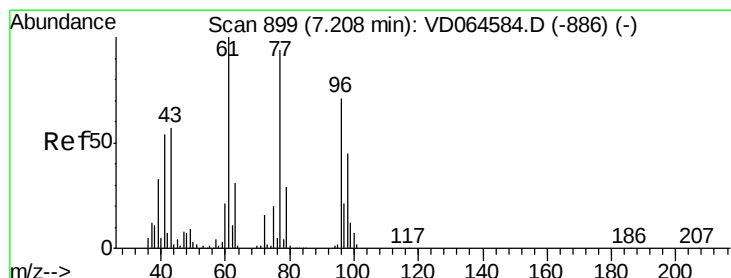
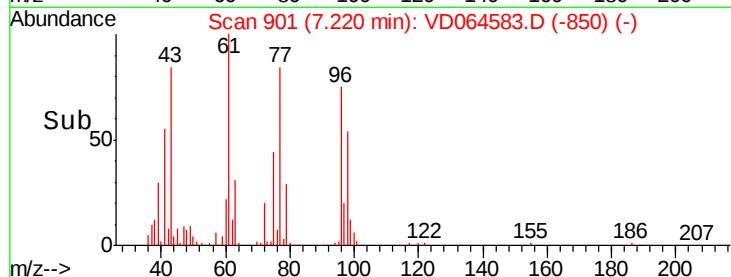
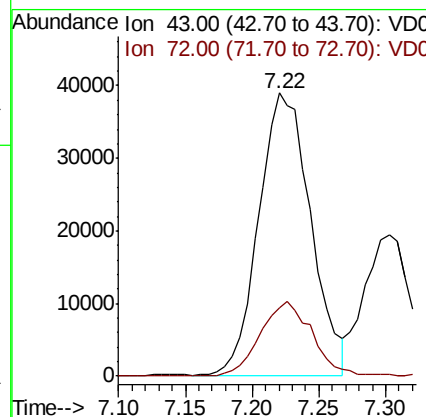
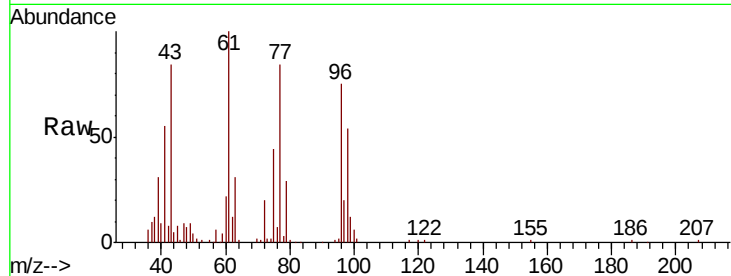
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 104431

Ion Ratio Lower Upper

43 100

72 24.1 20.7 31.1



#26

2,2-Dichloropropane

Concen: 20.096 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064583.D

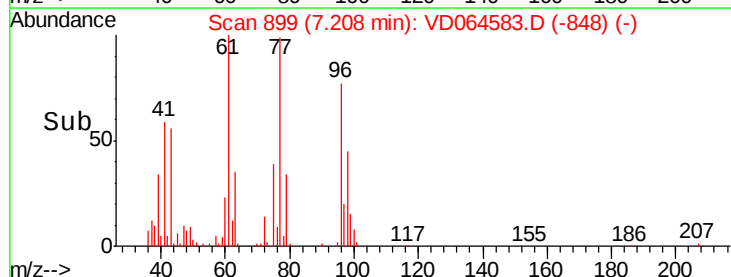
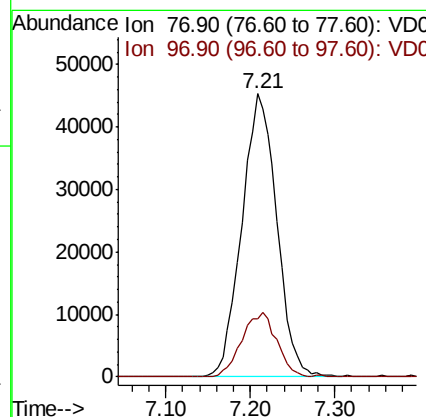
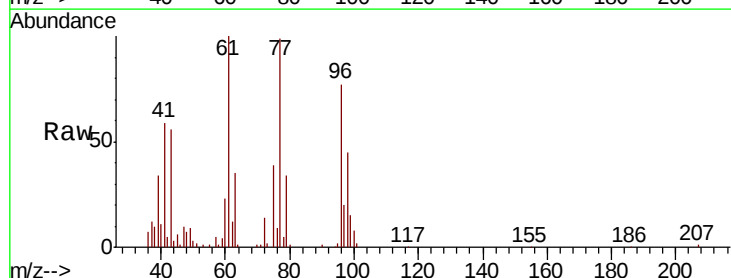
Acq: 24 Dec 2019 11:18

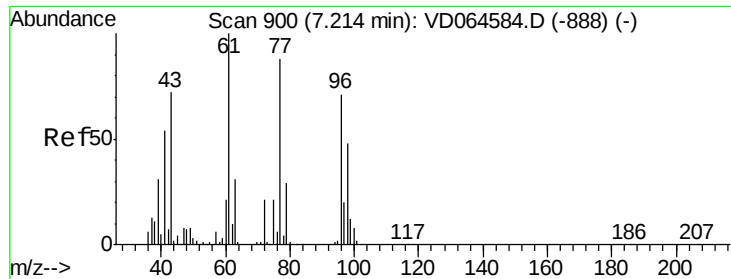
Tgt Ion: 77 Resp: 129978

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6



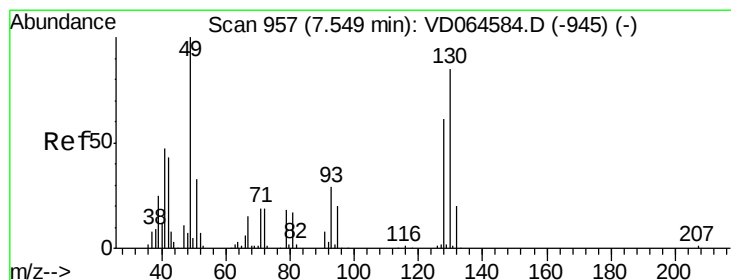
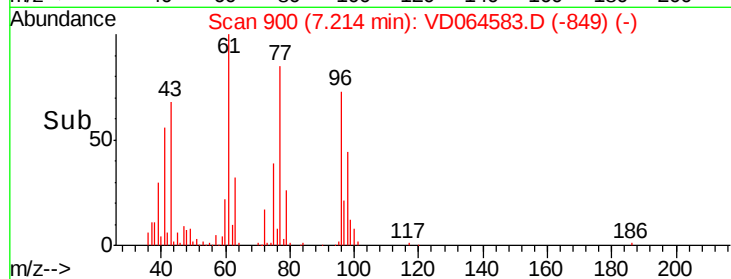
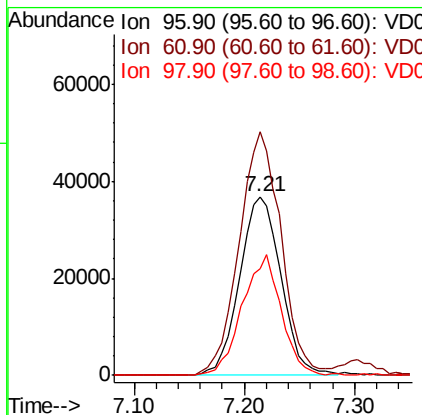
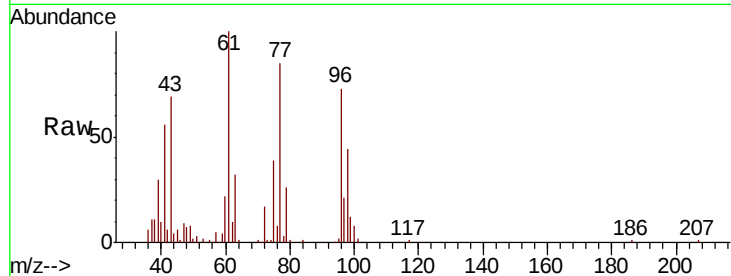


#27

cis-1,2-Dichloroethene
Concen: 19.814 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

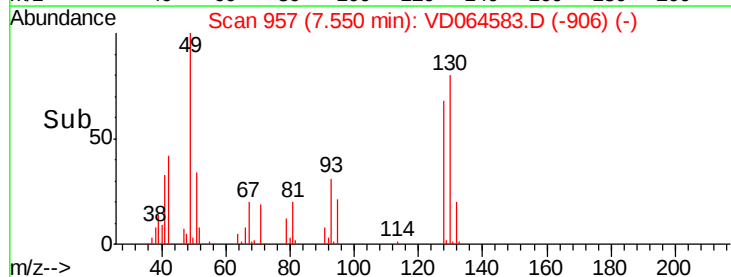
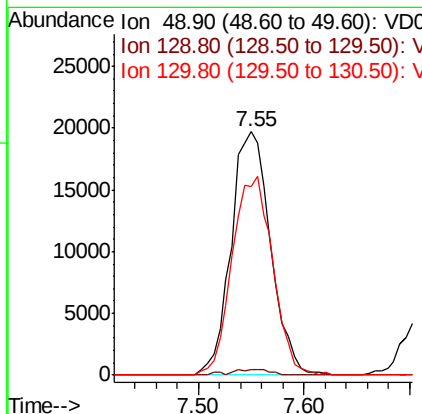
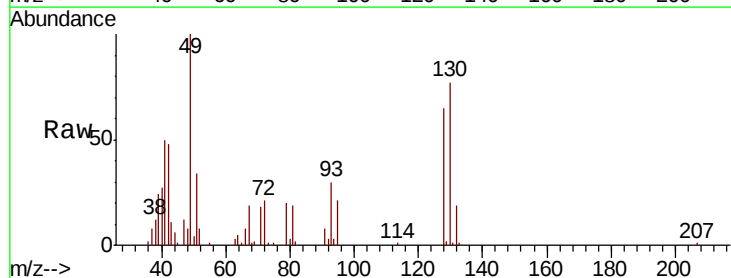
Tot Ion: 96 Resp: 96900
Ion Ratio Lower Upper
96 100
61 138.7 0.0 282.6
98 63.6 0.0 130.8

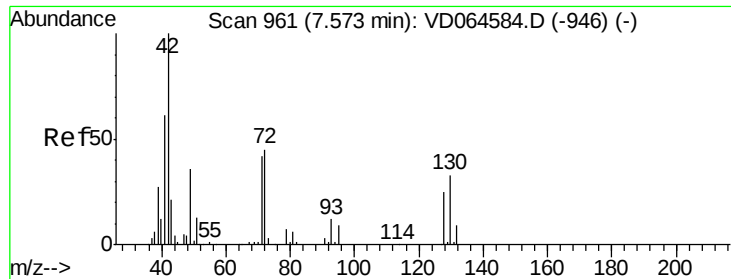


#28

Bromochloromethane
Concen: 19.775 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 49 Resp: 51057
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.8
130 83.5 65.0 97.6

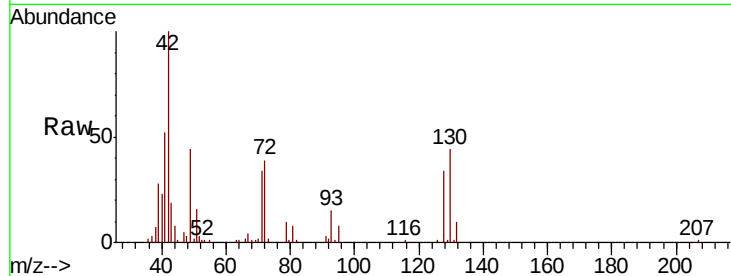




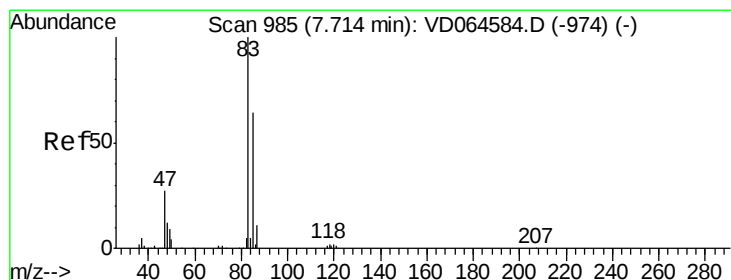
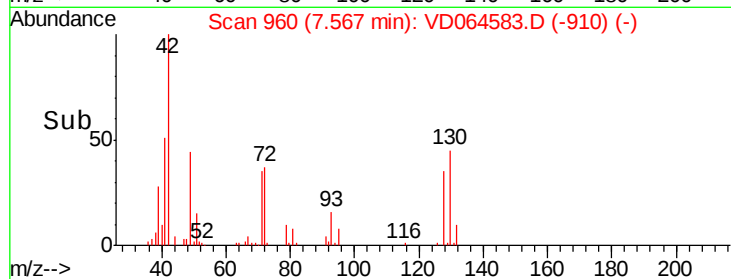
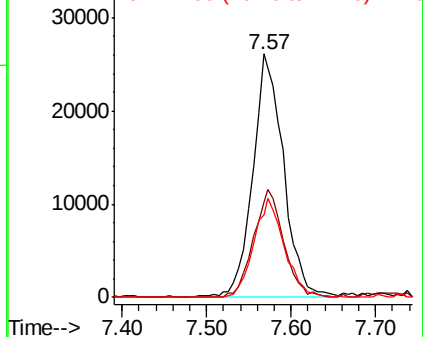
#29
Tetrahydrofuran
Concen: 92.114 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 66522
Ion Ratio Lower Upper
42 100
72 43.3 35.0 52.4
71 40.2 32.9 49.3

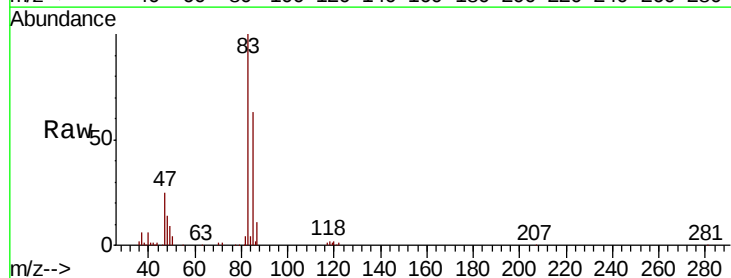


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

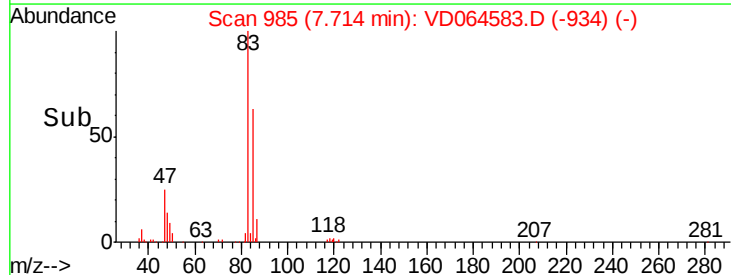
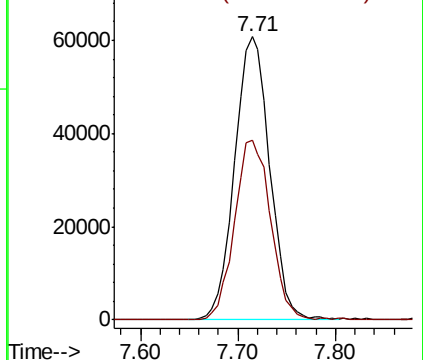


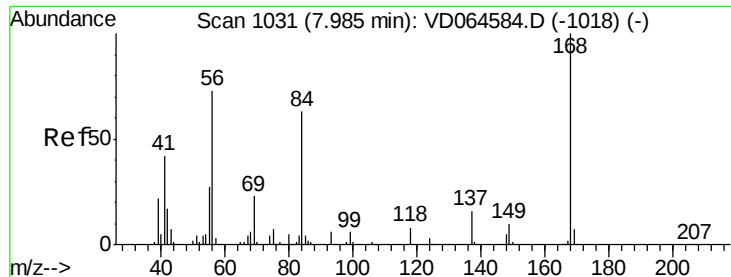
#30
Chloroform
Concen: 19.918 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 83 Resp: 151733
Ion Ratio Lower Upper
83 100
85 63.3 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: 19.717 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampled :

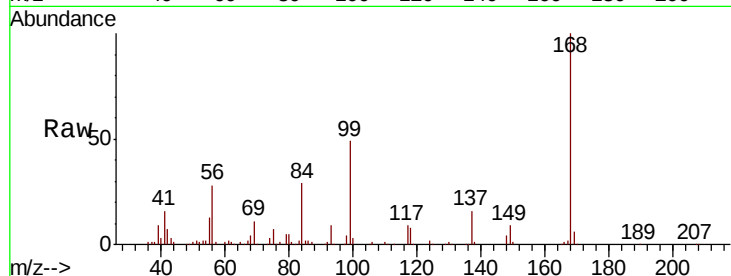
Tot Ion: 56 Resp: 142814

Ion Ratio Lower Upper

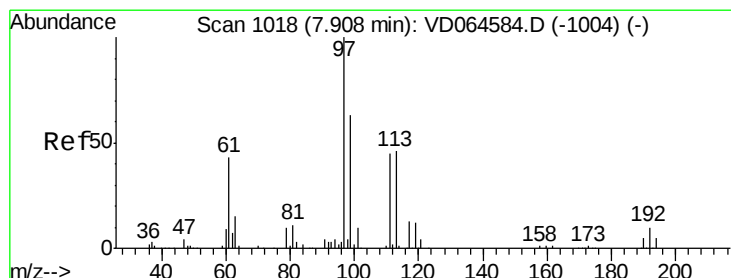
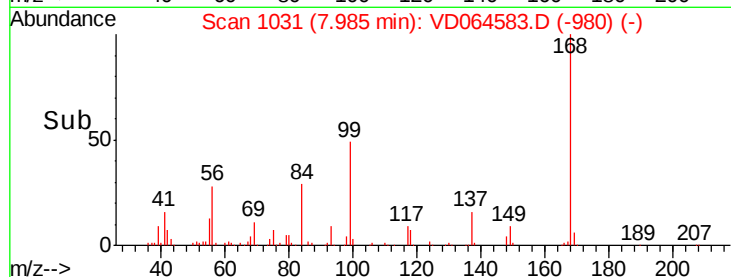
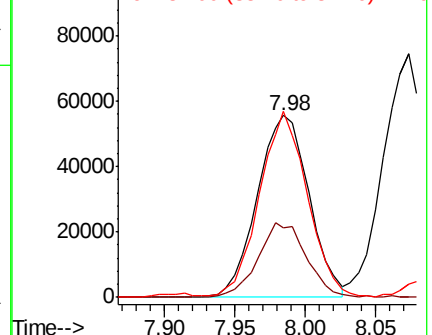
56 100

69 38.4 24.7 37.1#

84 101.2 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: 20.183 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

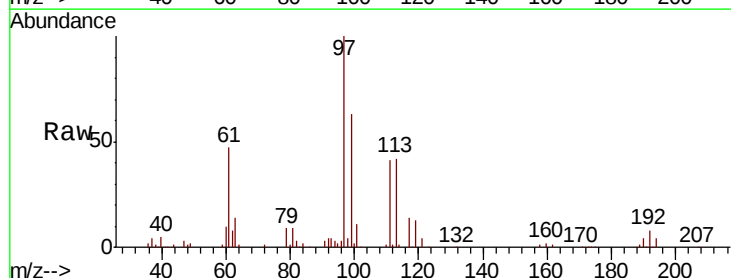
Tgt Ion: 97 Resp: 143072

Ion Ratio Lower Upper

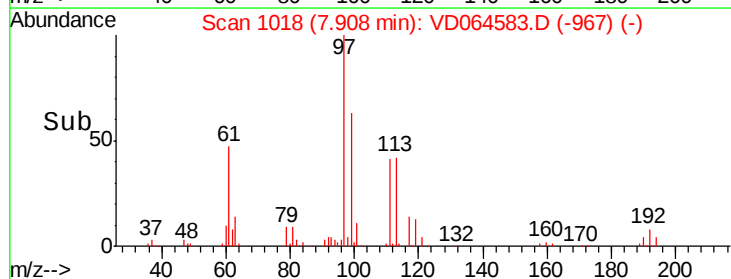
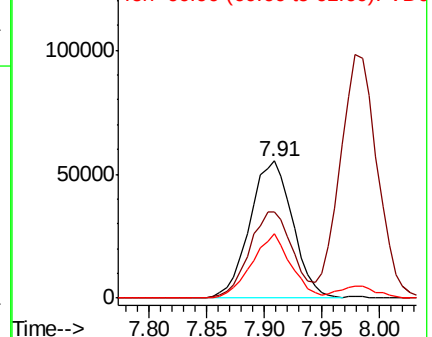
97 100

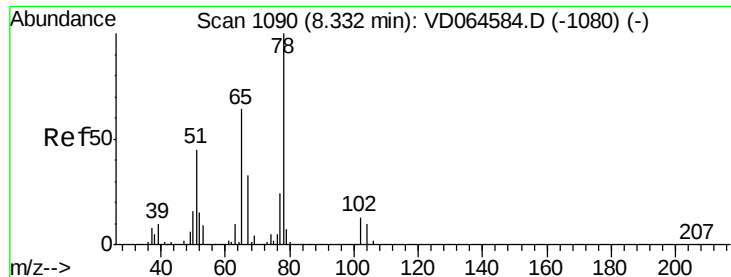
99 64.0 51.0 76.6

61 42.9 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

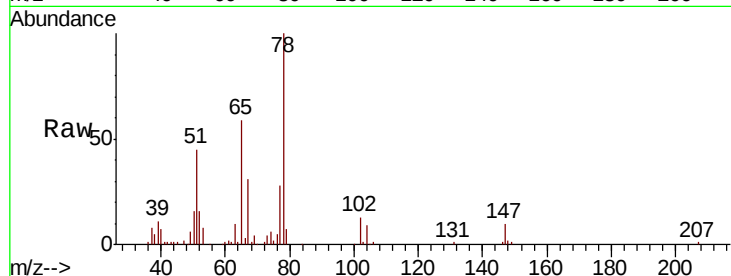




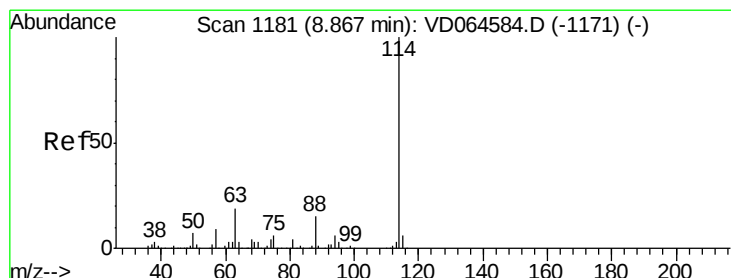
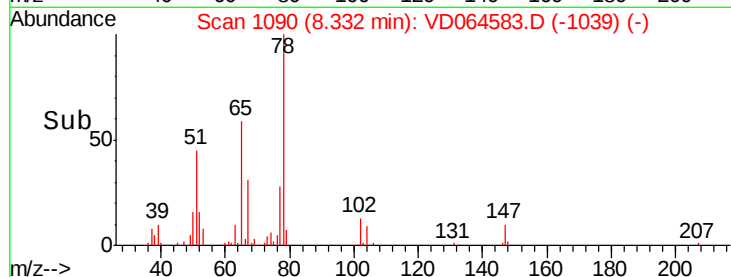
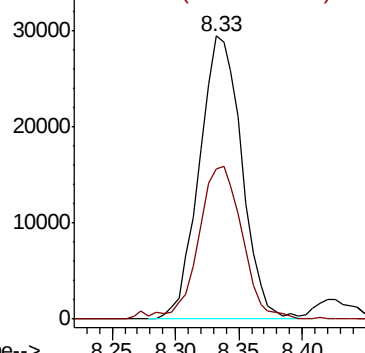
#33
 1,2-Dichloroethane-d4
 Concen: 17.102 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 68484
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 106.2

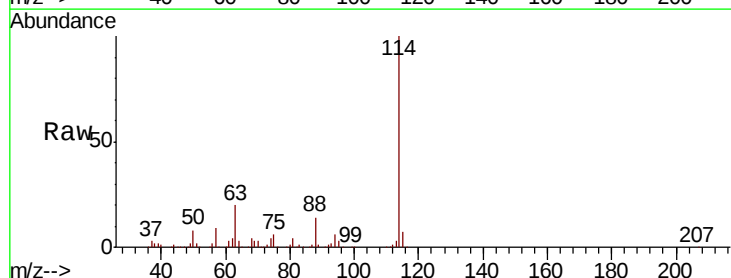


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

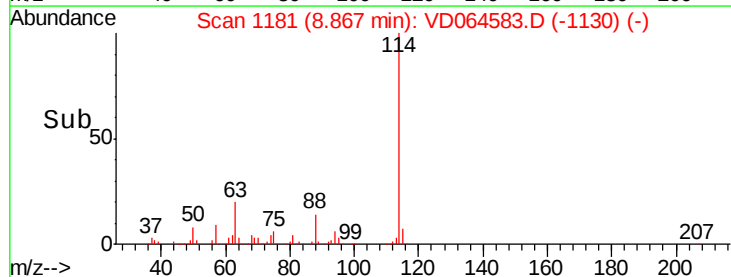
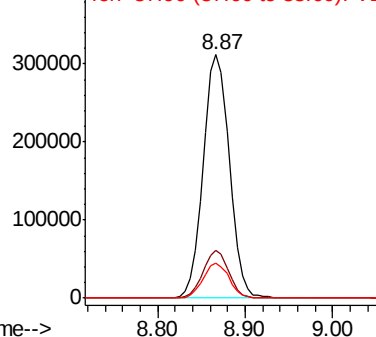


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 114 Resp: 631452
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 14.2 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

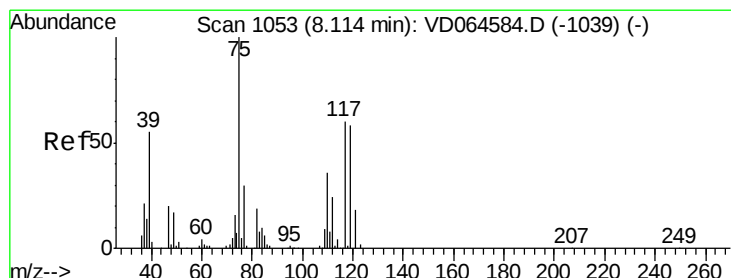
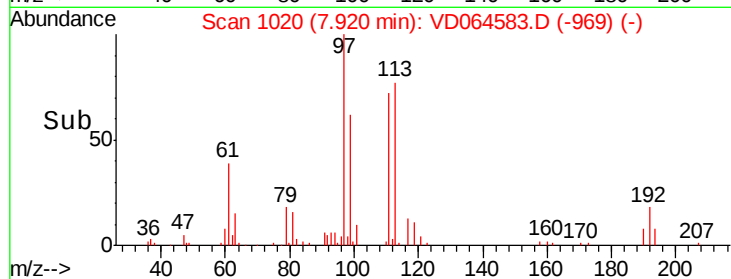
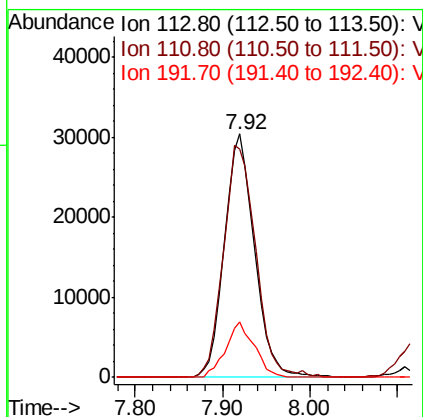
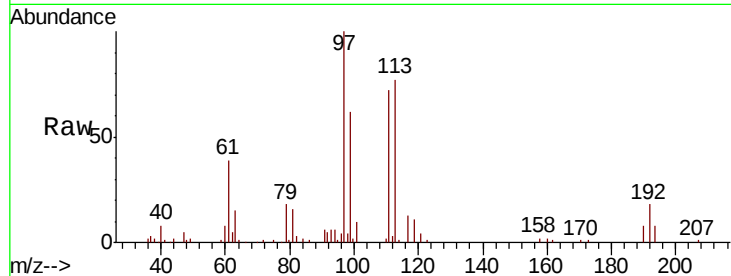




#35
 Dibromofluoromethane
 Concen: 17.917 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

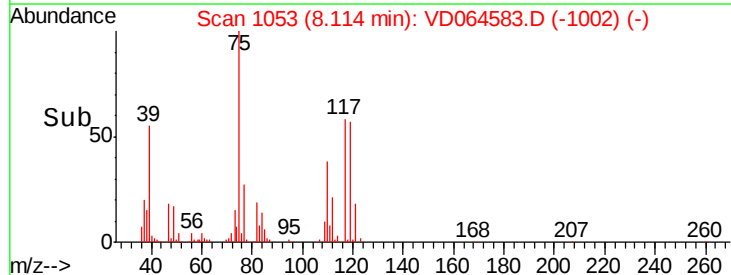
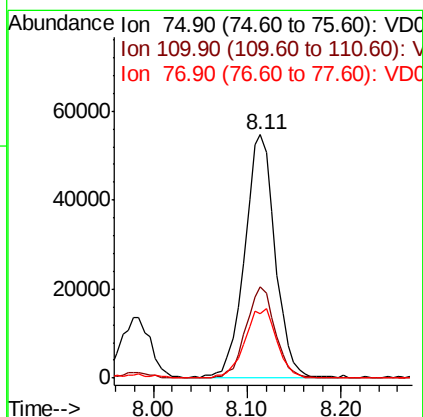
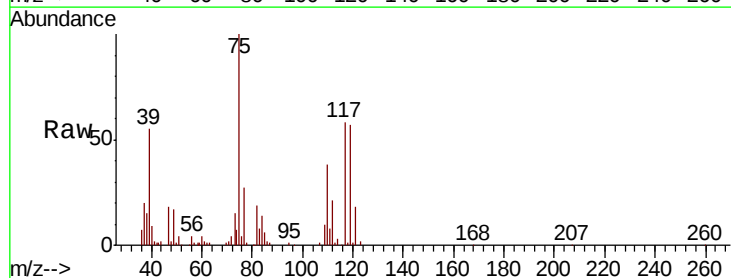
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 71477
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.6 121.0
 192 21.5 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 20.446 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 75 Resp: 123001
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.1 54.1
 77 30.2 24.2 36.4

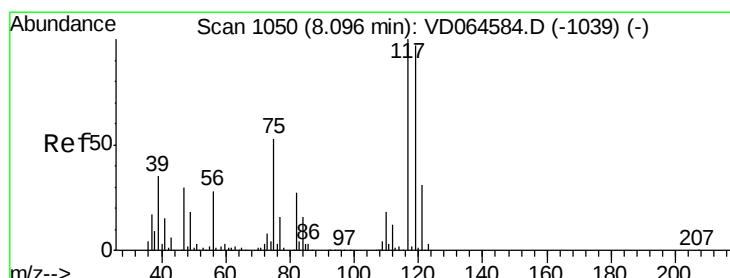
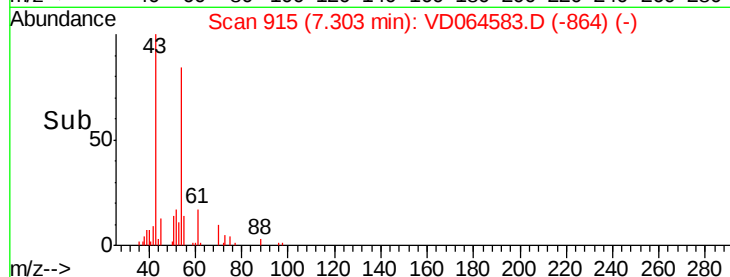
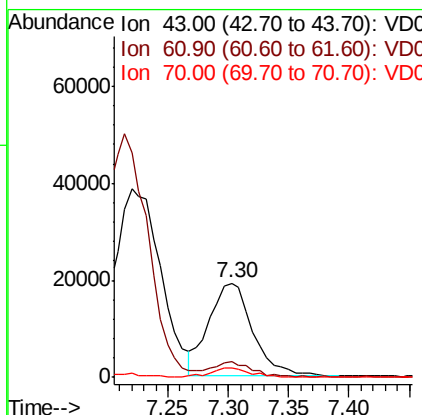
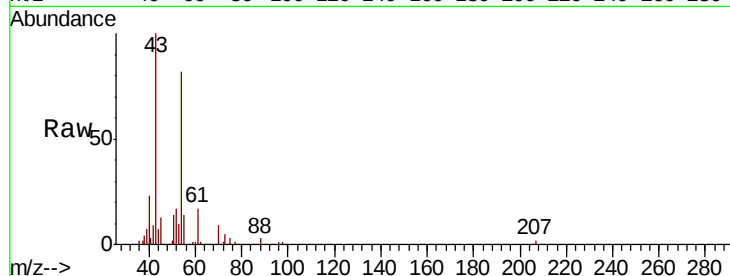




#37
Ethyl Acetate
Concen: 18.966 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

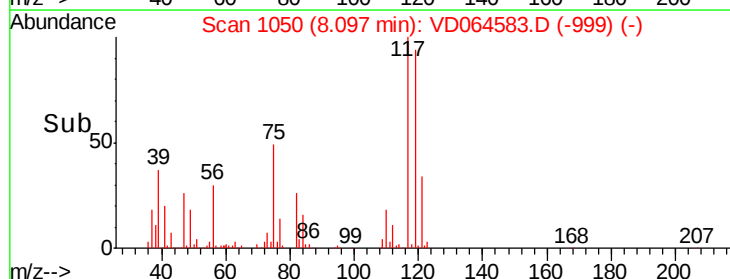
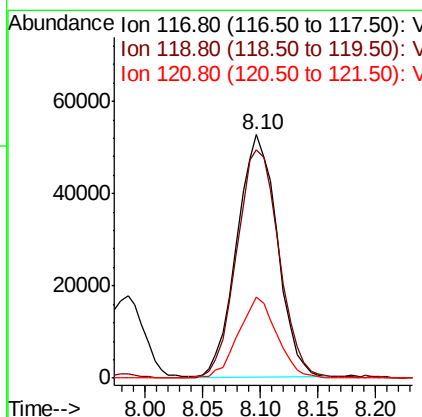
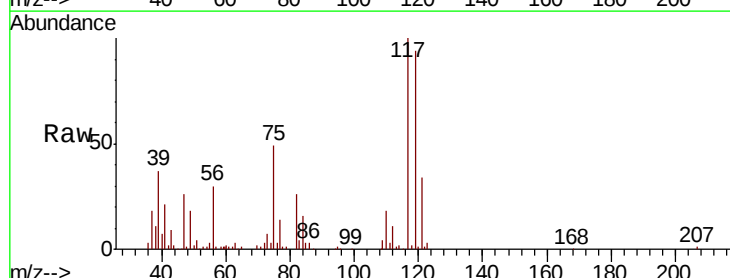
Instrument :
MSVOA_D
ClientSampleId :

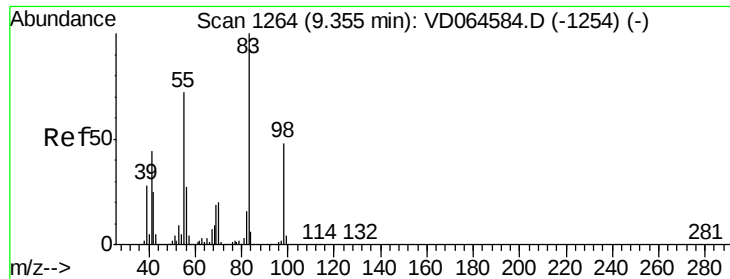
Tot Ion: 43 Resp: 47892
Ion Ratio Lower Upper
43 100
61 14.2 10.3 15.5
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.196 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 117 Resp: 128018
Ion Ratio Lower Upper
117 100
119 94.5 77.3 115.9
121 33.3 25.0 37.6

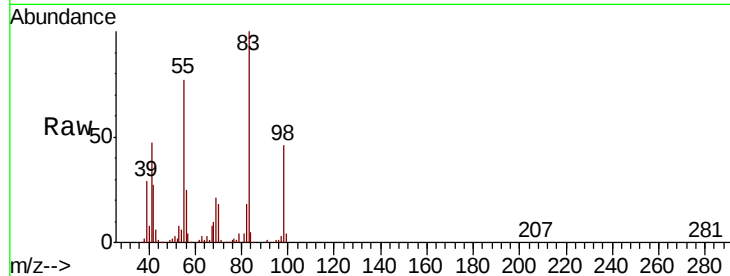




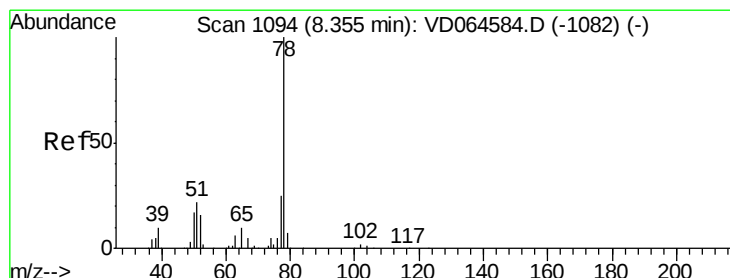
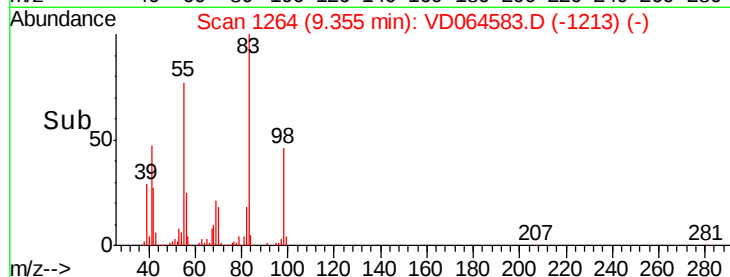
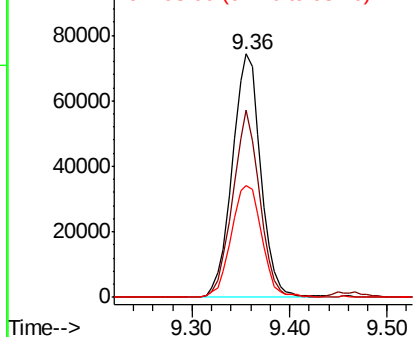
#39
Methvlcvclohexane
Concen: 20.306 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 150579
Ion Ratio Lower Upper
83 100
55 76.7 57.8 86.6
98 45.8 38.7 58.1

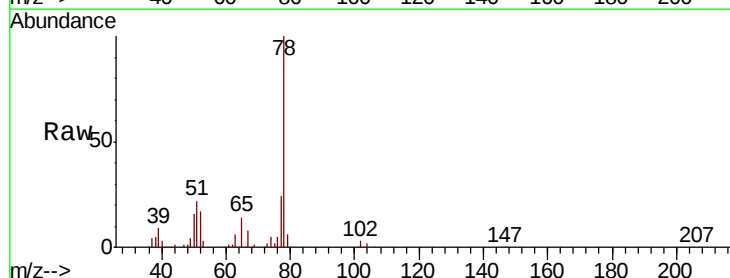


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

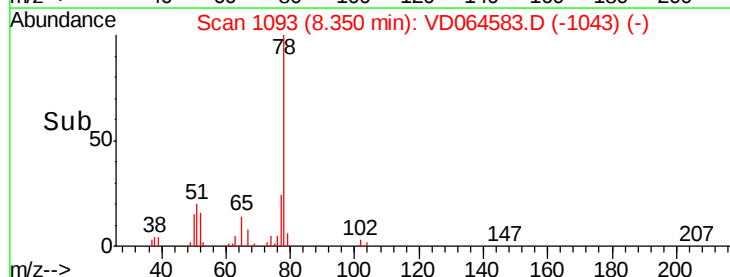
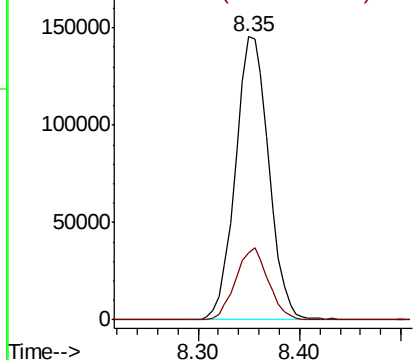


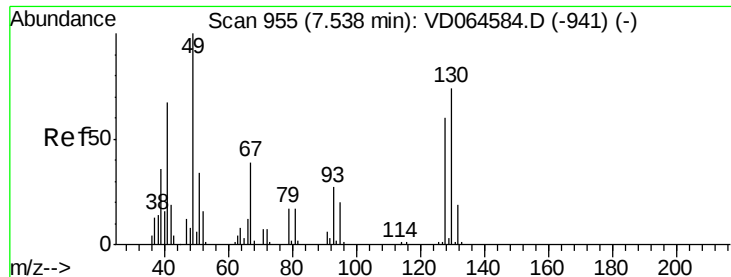
#40
Benzene
Concen: 20.050 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 78 Resp: 332195
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9



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





#41

Methacrylonitrile

Concen: 20.923 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 29890

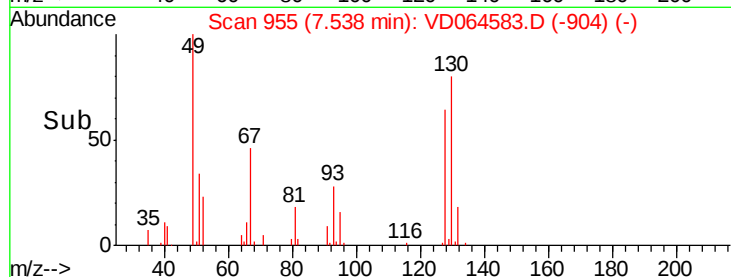
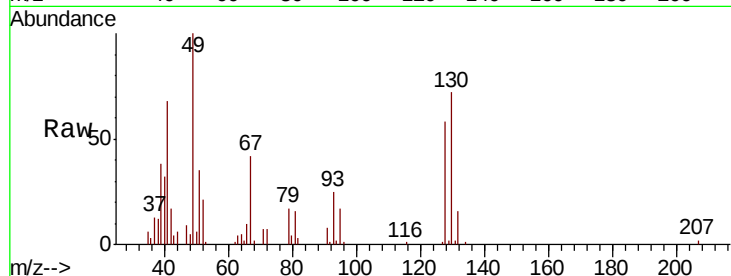
Ion Ratio Lower Upper

41 100

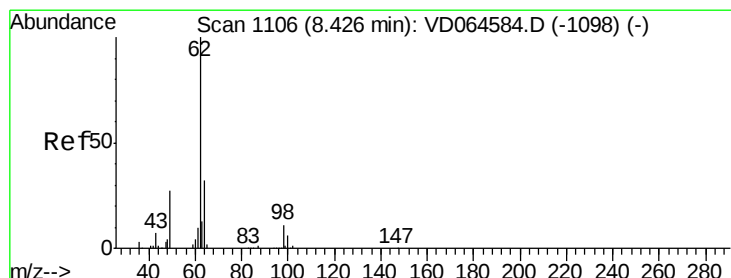
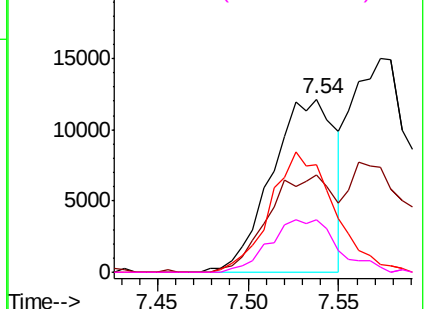
39 57.6 46.7 70.1

67 69.6 52.5 78.7

52 32.7 24.1 36.1



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



#42

1,2-Dichloroethane

Concen: 20.097 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064583.D

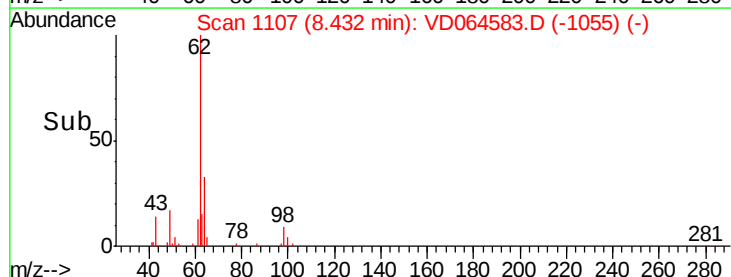
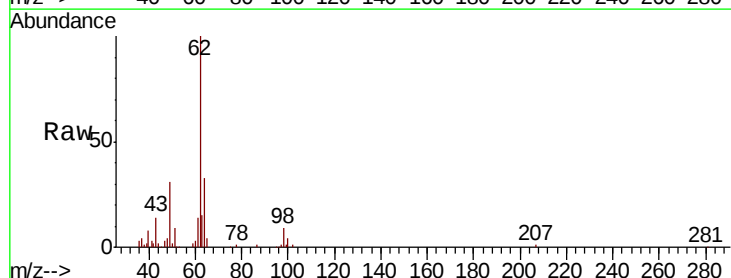
Acq: 24 Dec 2019 11:18

Tgt Ion: 62 Resp: 97193

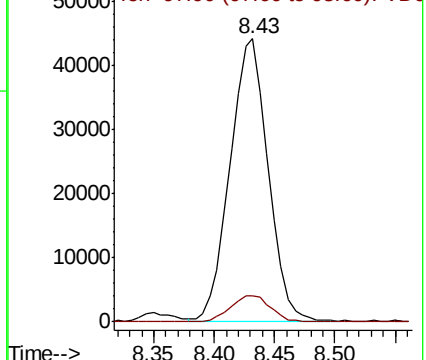
Ion Ratio Lower Upper

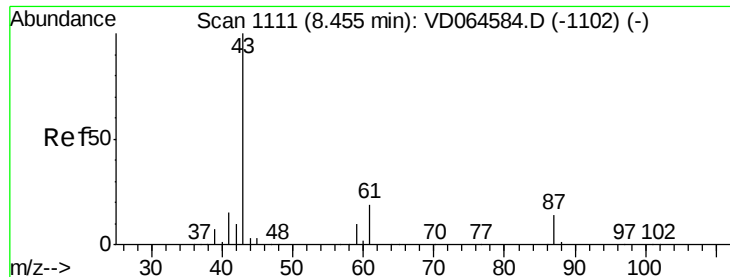
62 100

98 9.9 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.691 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

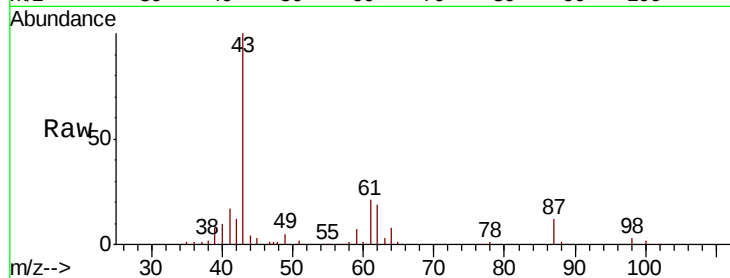
Tot Ion: 43 Resp: 92512

Ion Ratio Lower Upper

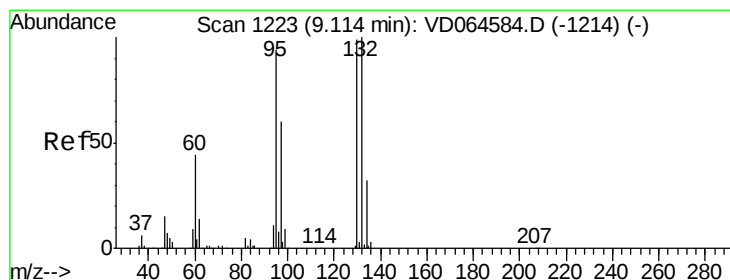
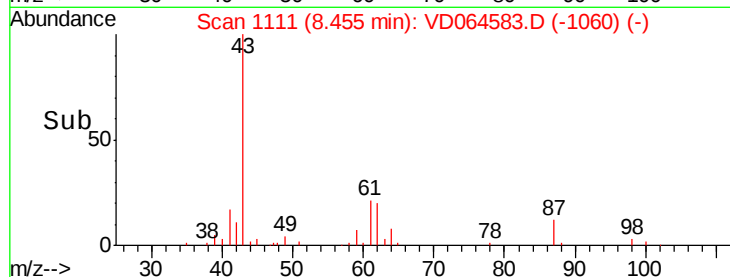
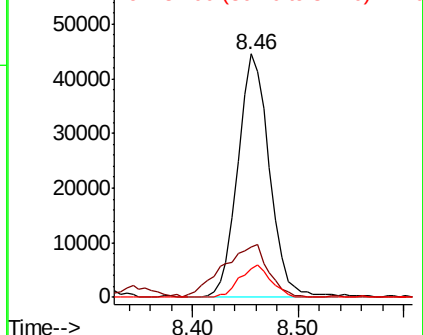
43 100

61 31.2 23.7 35.5

87 13.2 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.503 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064583.D

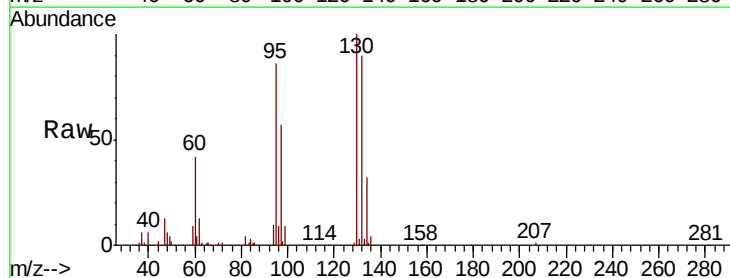
Acq: 24 Dec 2019 11:18

Tgt Ion:130 Resp: 97342

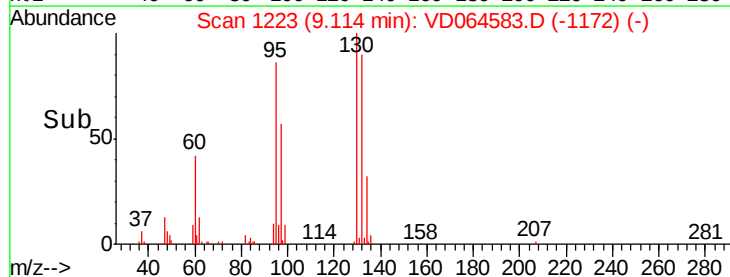
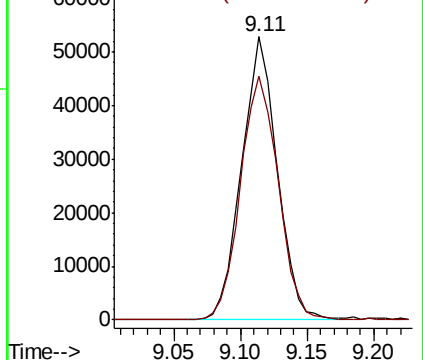
Ion Ratio Lower Upper

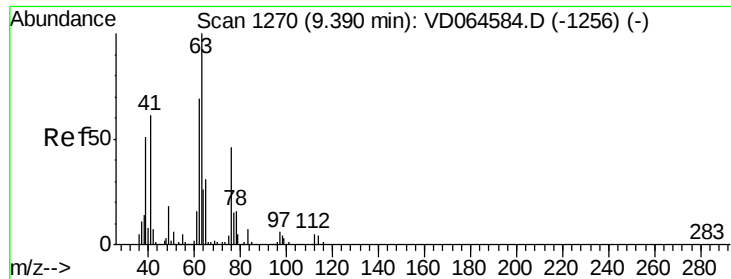
130 100

95 86.0 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.928 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

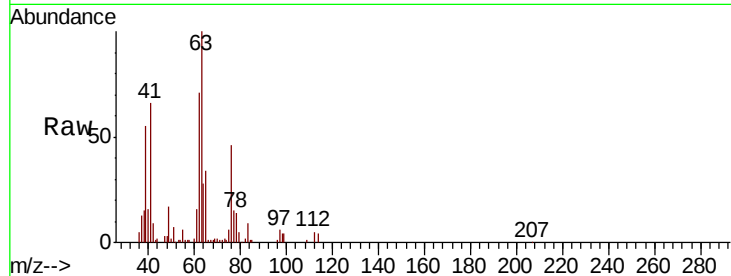
ClientSampleId :

Tot Ion: 63 Resp: 78738

Ion Ratio Lower Upper

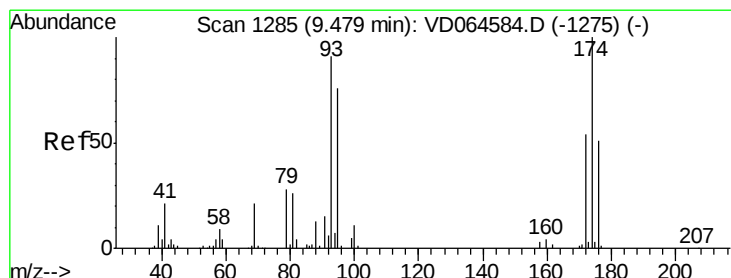
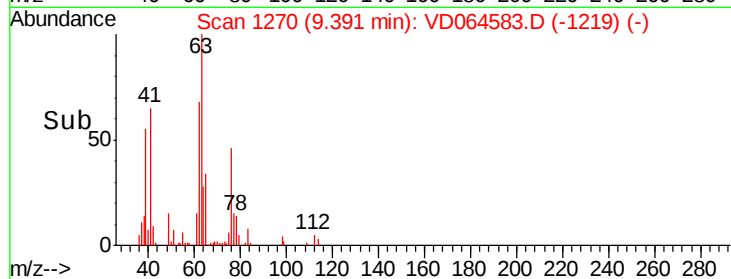
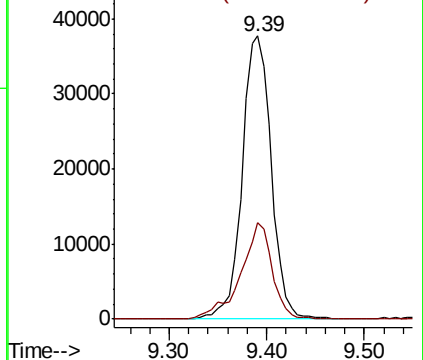
63 100

65 34.2 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.074 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

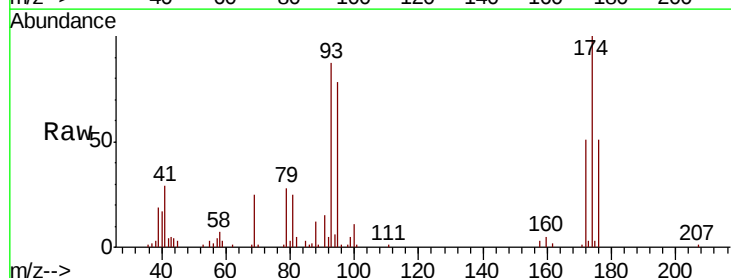
Tgt Ion: 93 Resp: 44918

Ion Ratio Lower Upper

93 100

95 83.1 64.6 97.0

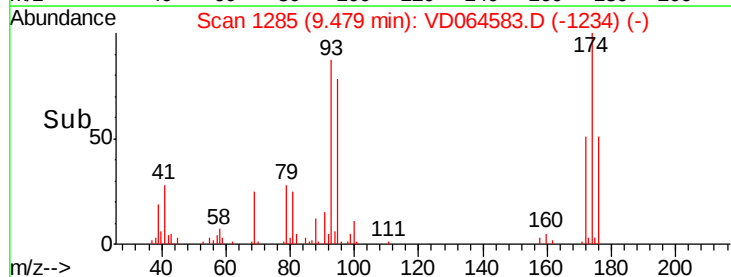
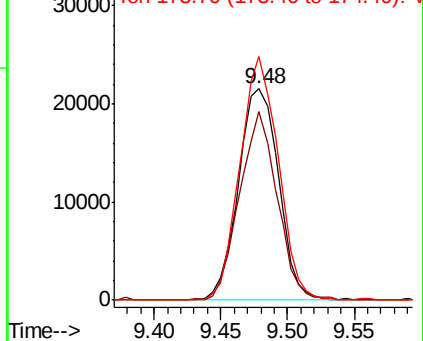
174 109.7 88.1 132.1

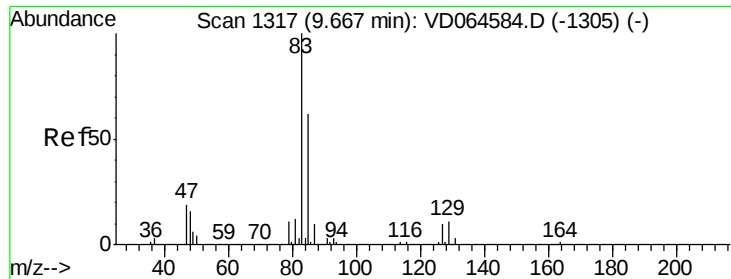


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

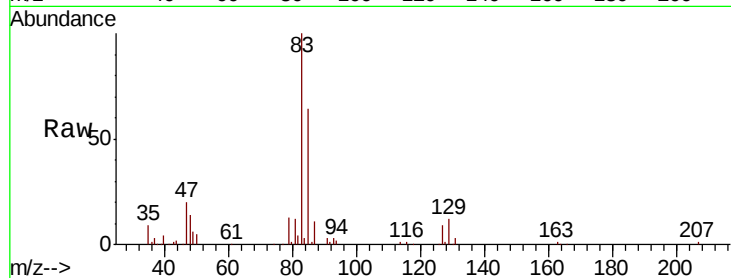




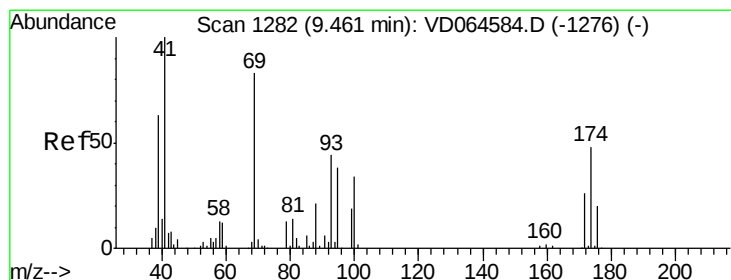
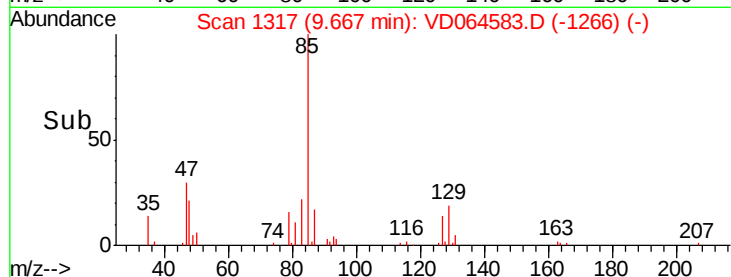
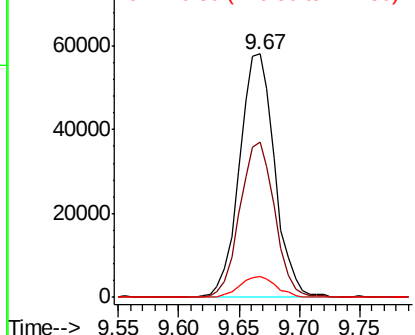
#47
Bromodichloromethane
Concen: 20.475 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 117910
Ion Ratio Lower Upper
83 100
85 63.9 49.5 74.3
127 8.8 7.8 11.6

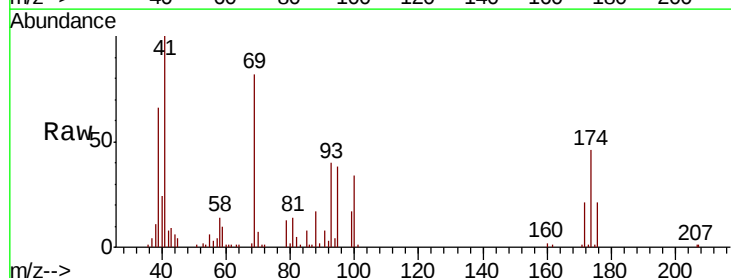


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

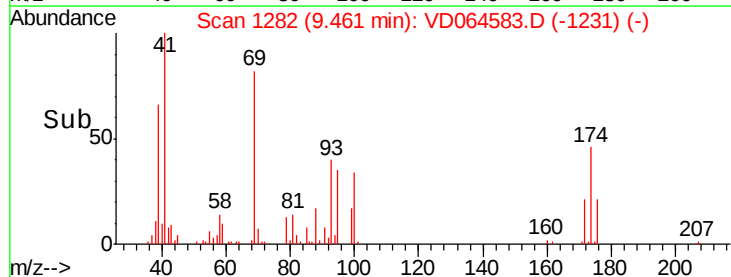
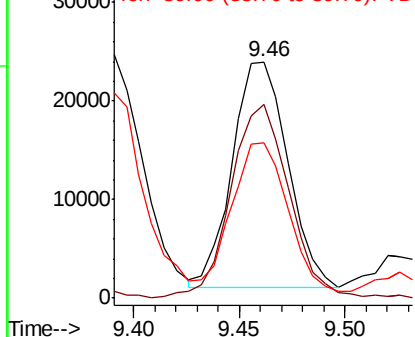


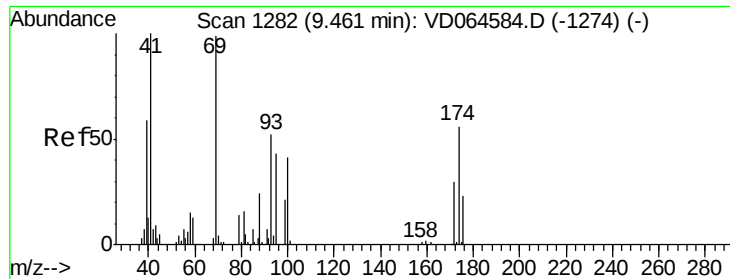
#48
Methyl methacrylate
Concen: 18.192 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 41 Resp: 41779
Ion Ratio Lower Upper
41 100
69 90.8 63.0 94.6
39 66.5 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

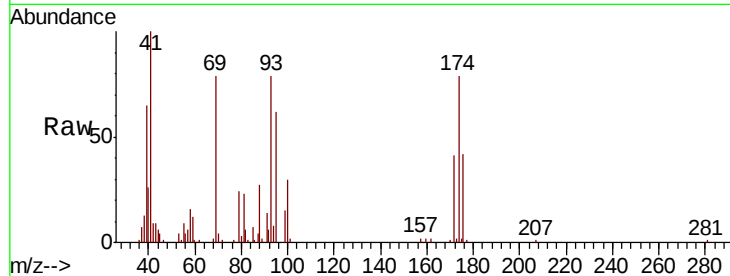




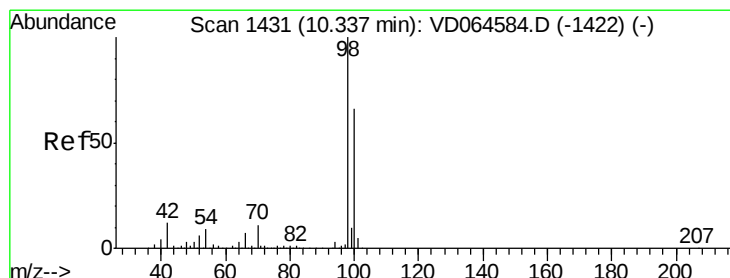
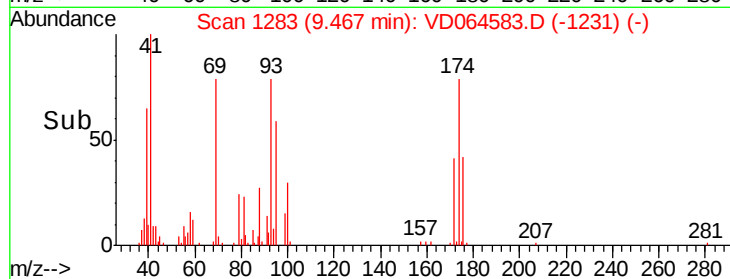
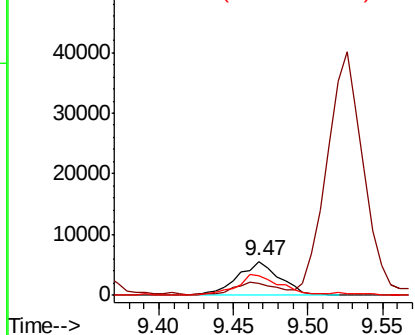
#49
1,4-Dioxane
Concen: 391.757 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 10759
Ion Ratio Lower Upper
88 100
43 33.2 27.7 41.5
58 62.4 53.8 80.6

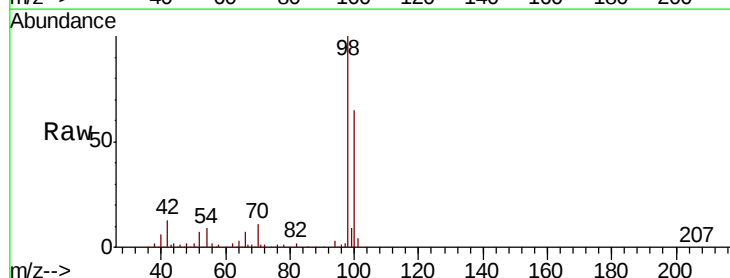


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

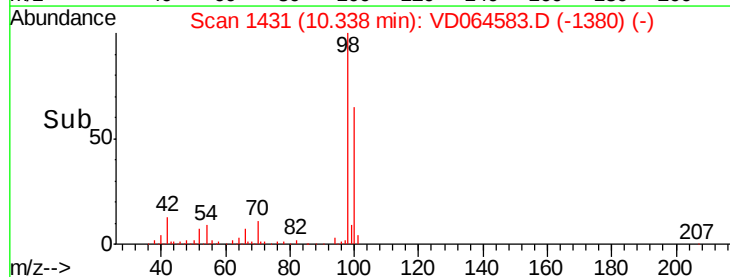
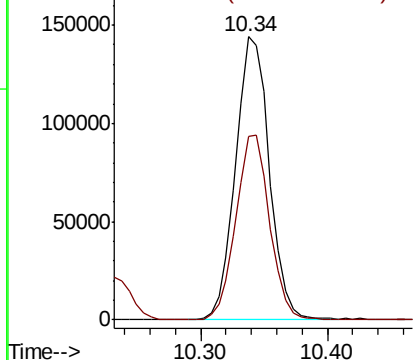


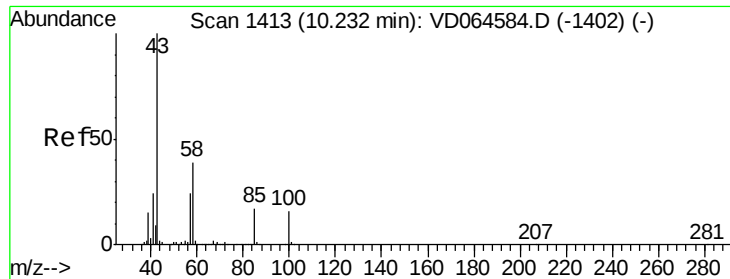
#50
Toluene-d8
Concen: 17.608 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 98 Resp: 265757
Ion Ratio Lower Upper
98 100
100 65.2 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: 95.110 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

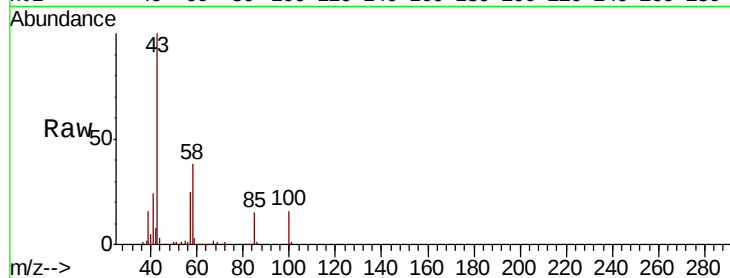
ClientSampled :

Tot Ion: 43 Resp: 233117

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

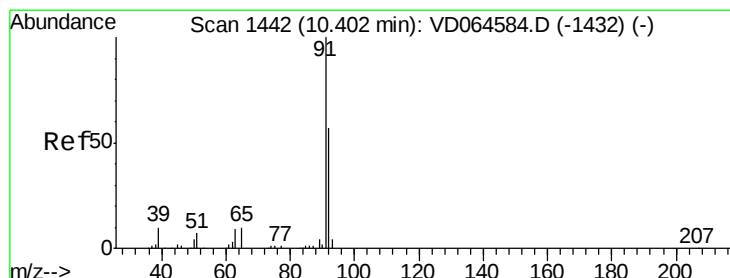
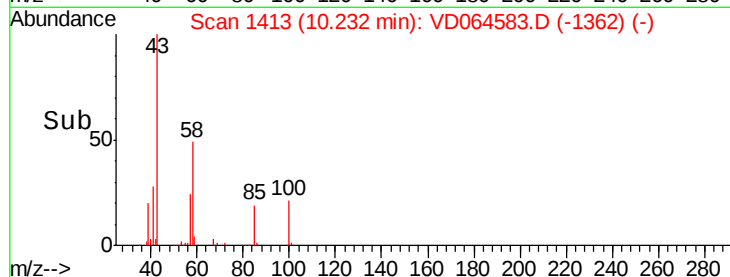
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.841 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064583.D

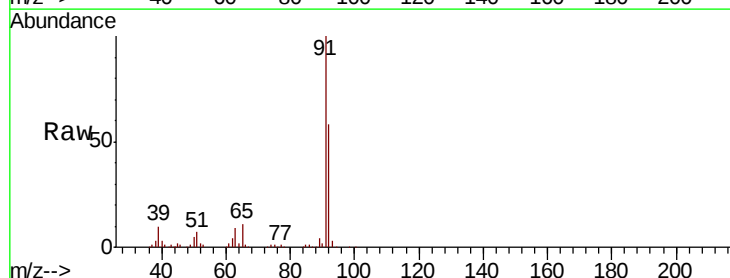
Acq: 24 Dec 2019 11:18

Tgt Ion: 92 Resp: 215271

Ion Ratio Lower Upper

92 100

91 172.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

200000

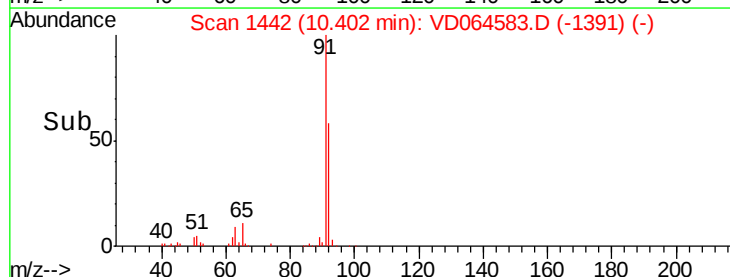
150000

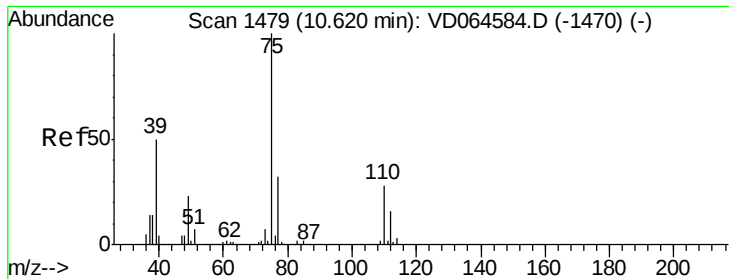
100000

50000

0

Time--> 10.35 10.40 10.45

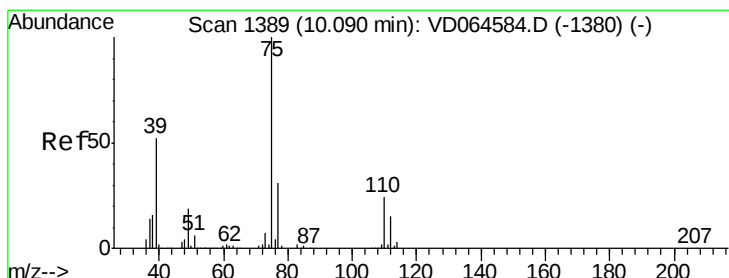
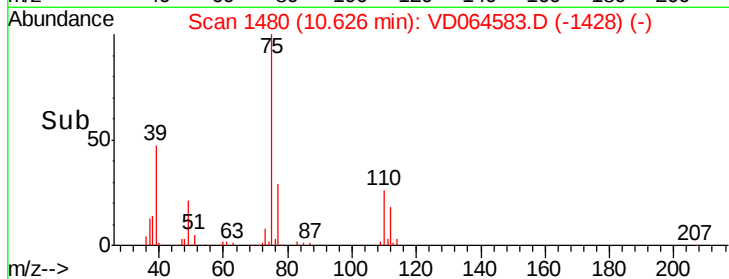
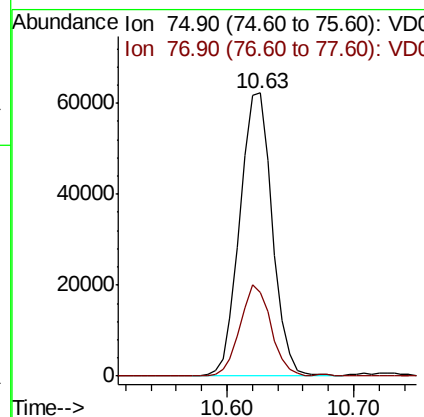
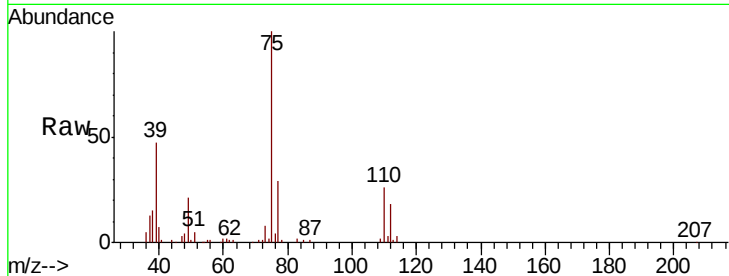




#53
 t-1,3-Dichloropropene
 Concen: 20.185 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

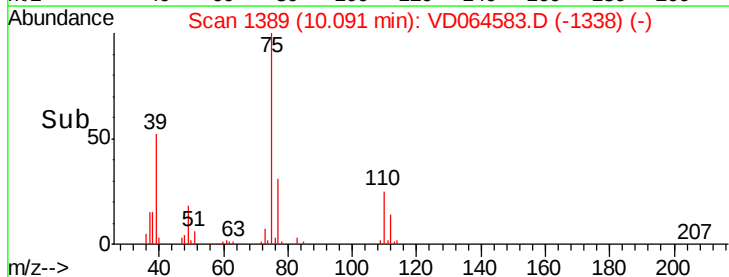
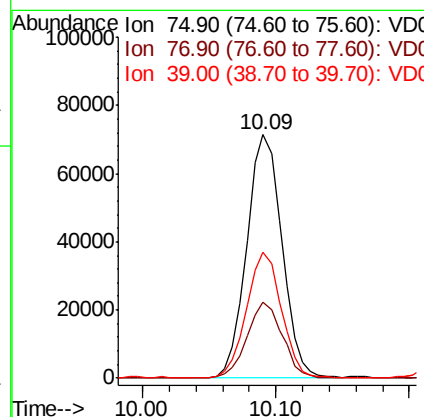
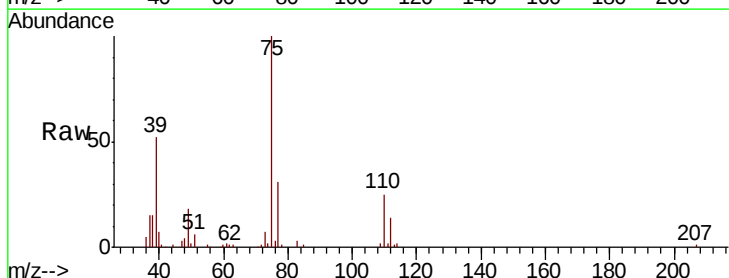
Instrument :
 MSVOA_D
 ClientSampleId :

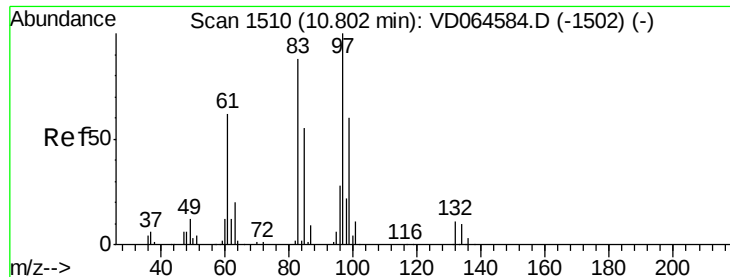
Tot Ion: 75 Resp: 110545
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.006 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 75 Resp: 130186
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 51.8 41.4 62.2

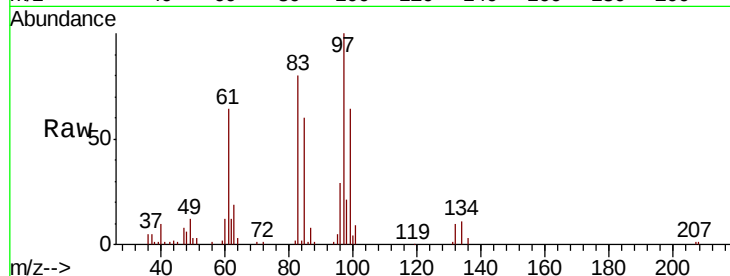




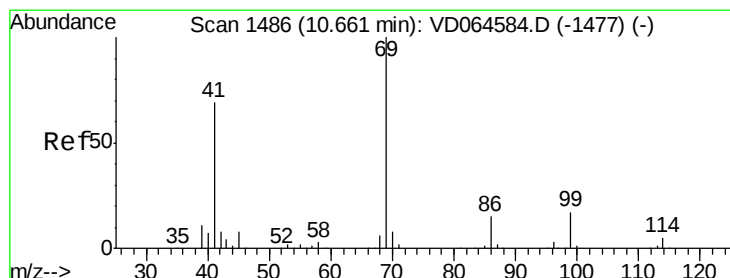
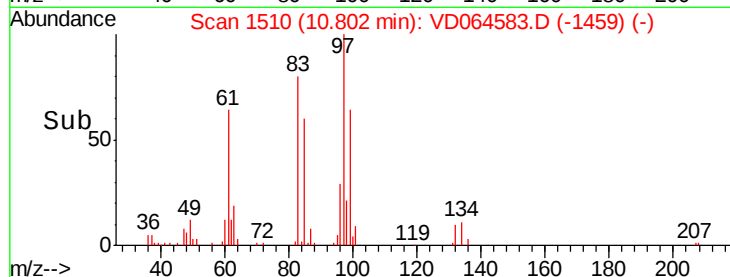
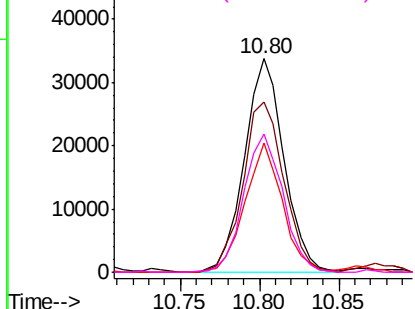
#55
 1,1,2-Trichloroethane
 Concen: 19.194 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 58674
 Ion Ratio Lower Upper
 97 100
 83 80.0 70.2 105.4
 85 60.3 44.0 66.0
 99 64.5 47.8 71.6

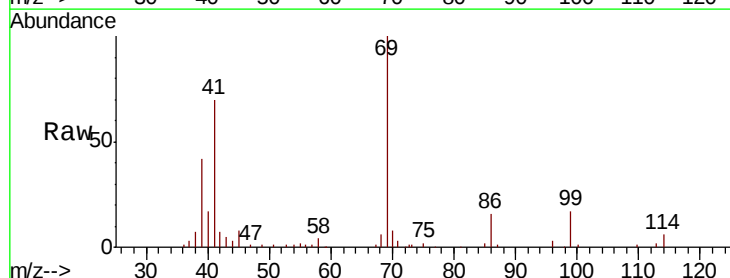


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

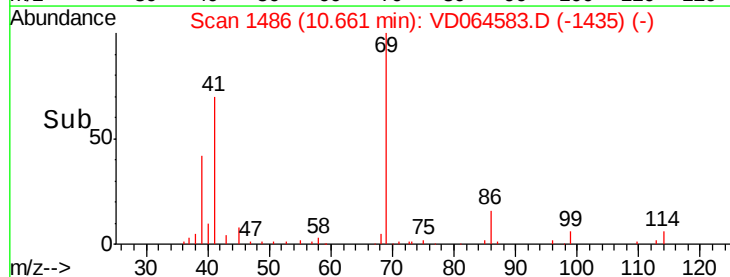
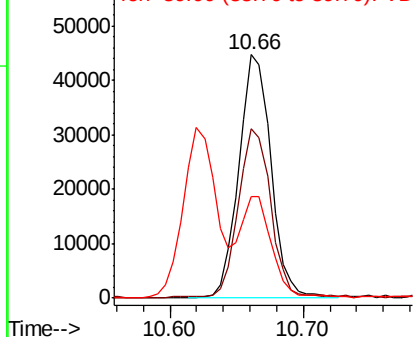


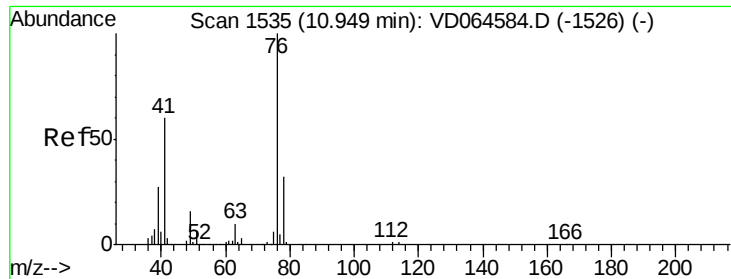
#56
 Ethyl methacrylate
 Concen: 19.229 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 69 Resp: 74640
 Ion Ratio Lower Upper
 69 100
 41 71.0 55.3 82.9
 39 42.3 33.8 50.8



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





#57

1,3-Dichloropropane

Concen: 19.685 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

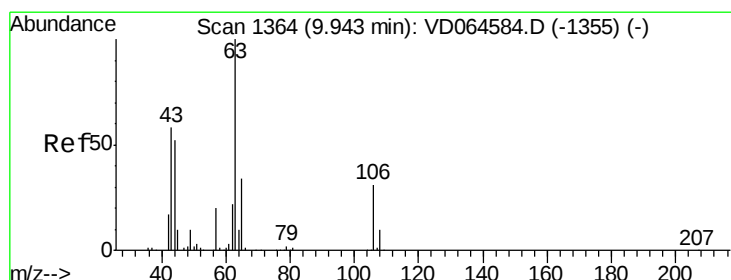
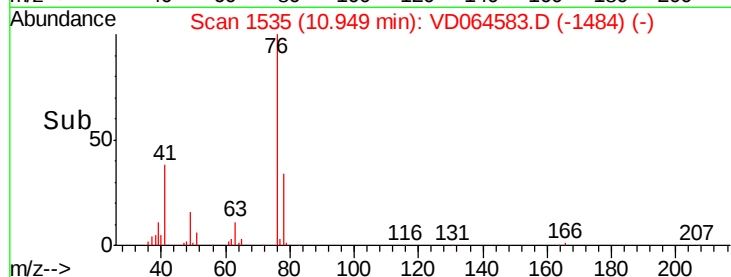
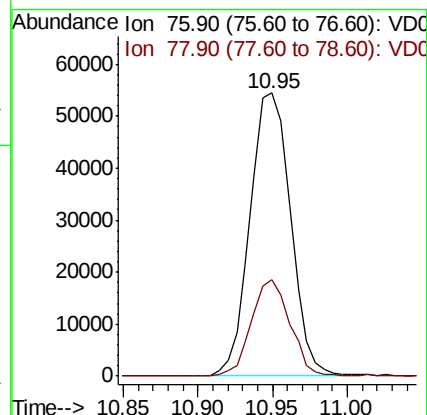
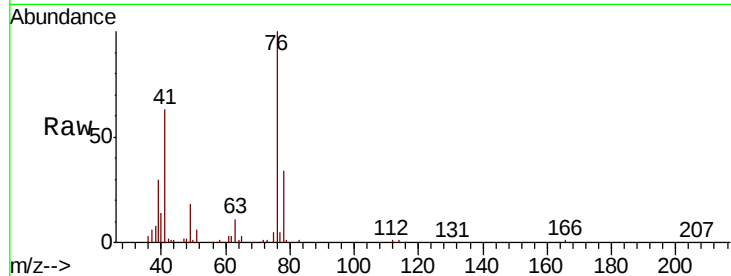
ClientSampled :

Tot Ion: 76 Resp: 102612

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 94.438 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064583.D

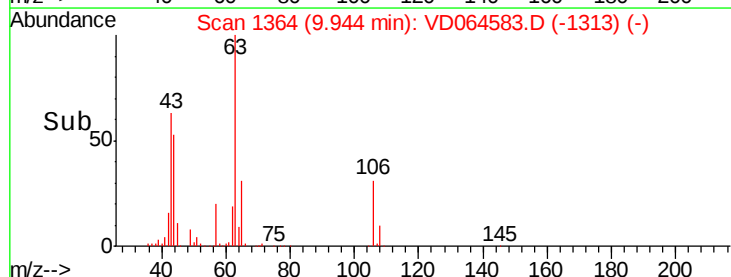
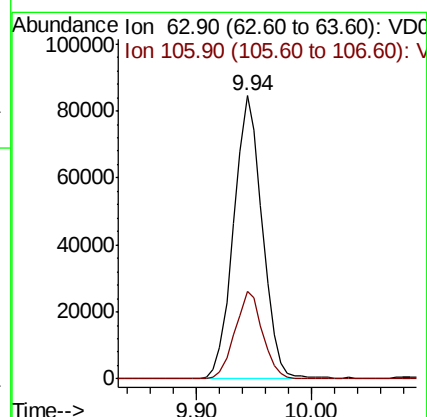
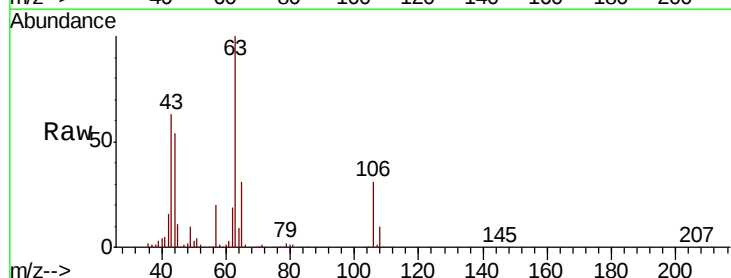
Acq: 24 Dec 2019 11:18

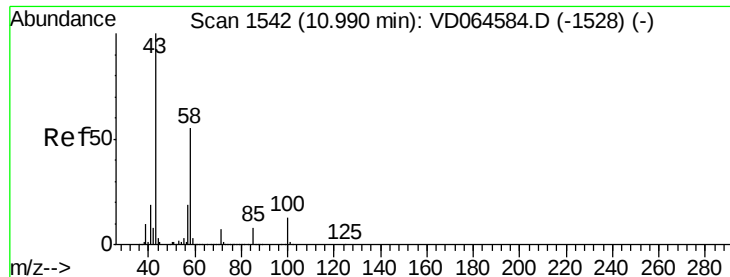
Tgt Ion: 63 Resp: 145388

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8

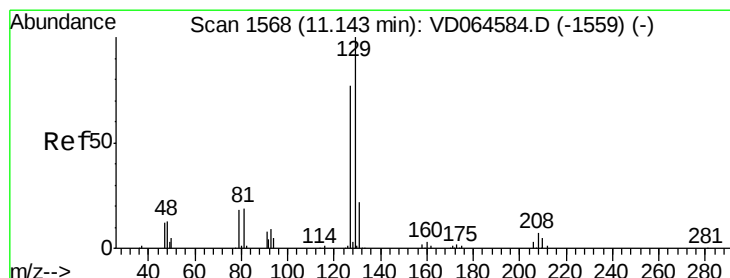
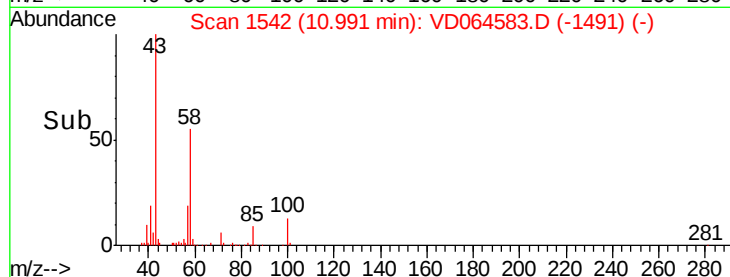
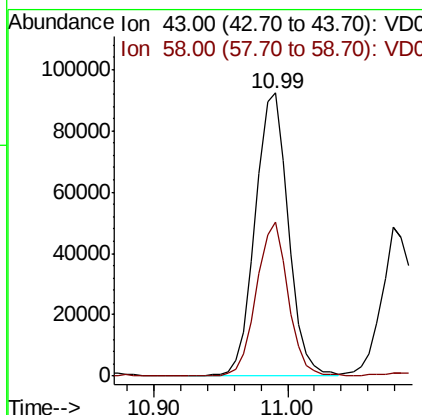
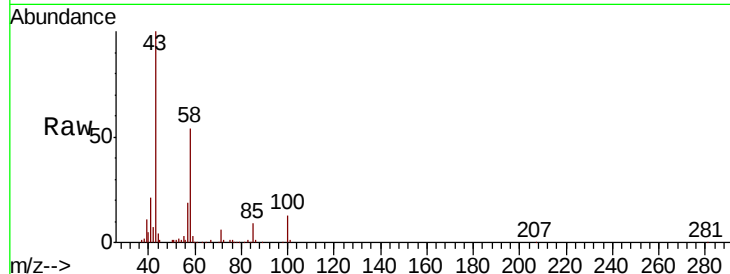




#59
2-Hexanone
Concen: 93.099 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

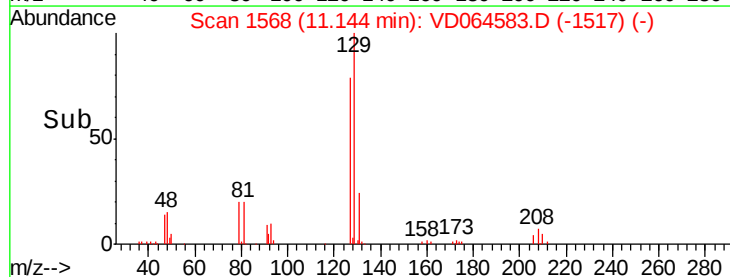
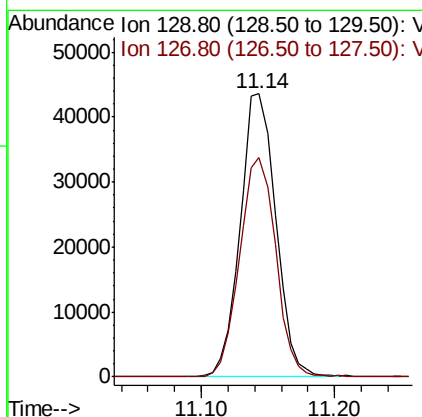
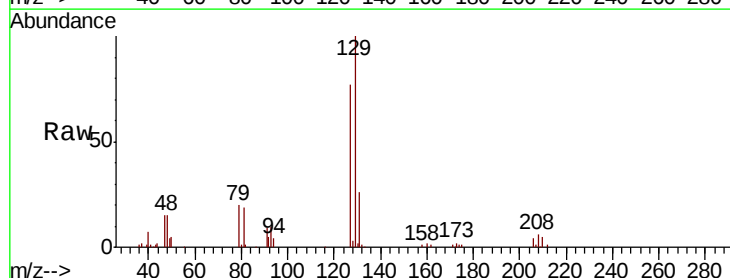
Instrument :
MSVOA_D
ClientSampleId :

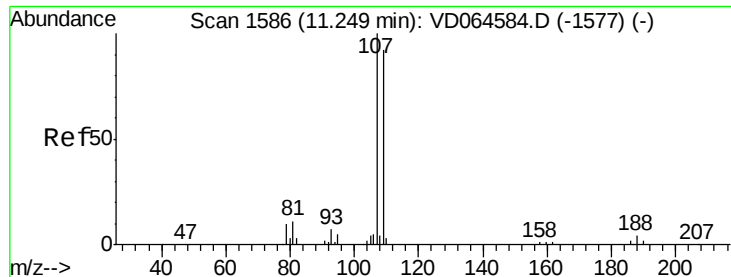
Tot Ion: 43 Resp: 158336
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 19.406 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 129 Resp: 80610
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2

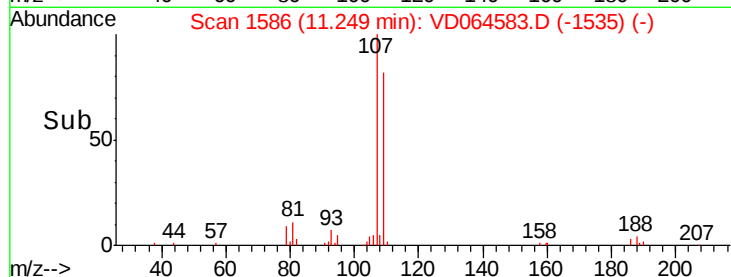
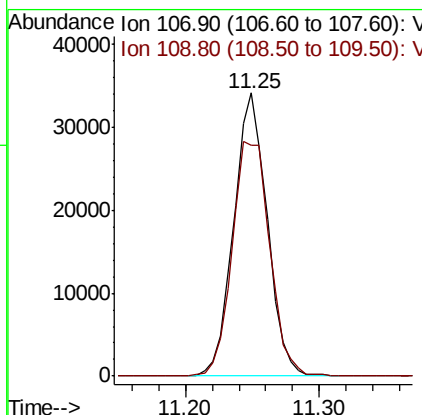
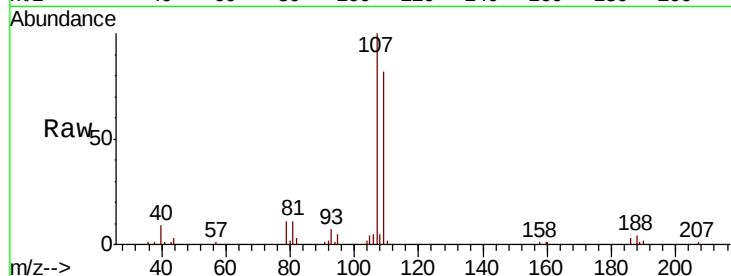




#61
 1,2-Dibromoethane
 Concen: 19.436 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

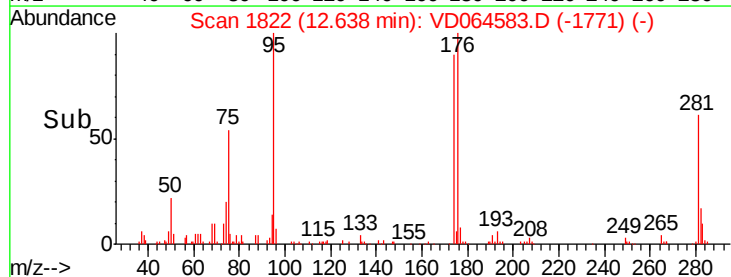
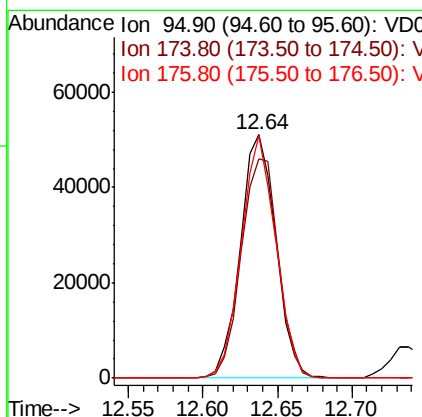
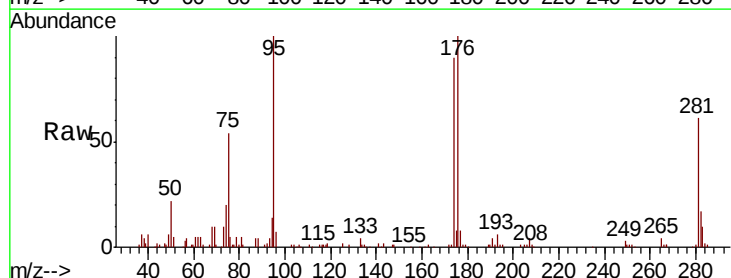
Instrument :
 MSVOA_D
 ClientSampleId :

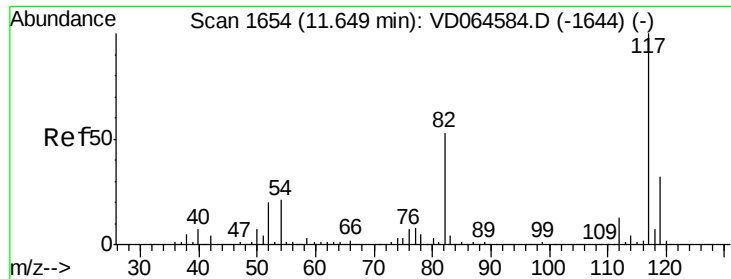
Tot Ion: 107 Resp: 59265
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 17.308 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 95 Resp: 84107
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 193.2
 176 96.8 0.0 184.2

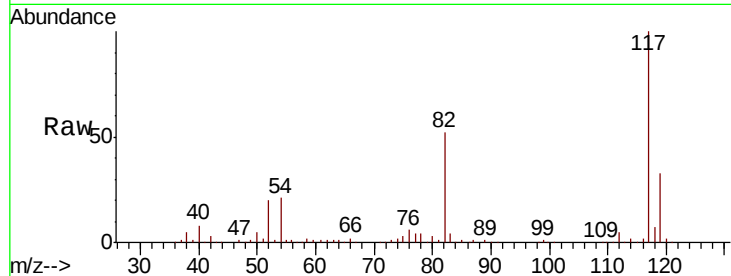




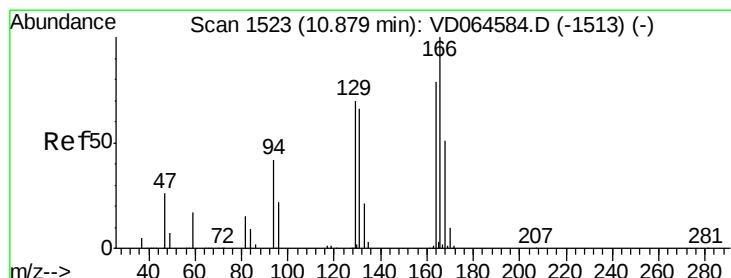
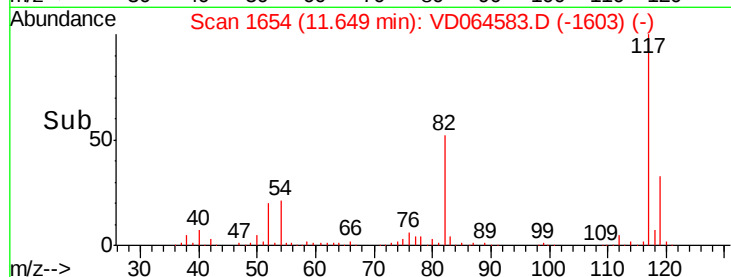
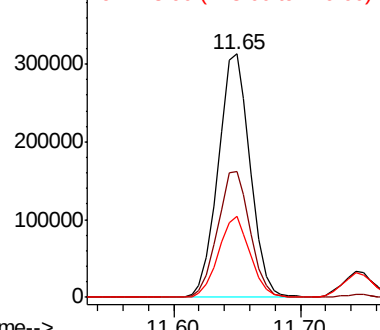
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 549114
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 33.2 26.0 39.0

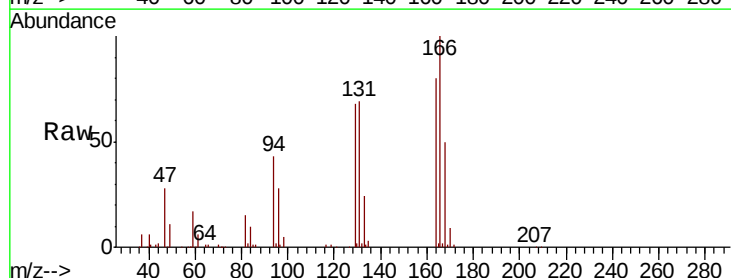


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

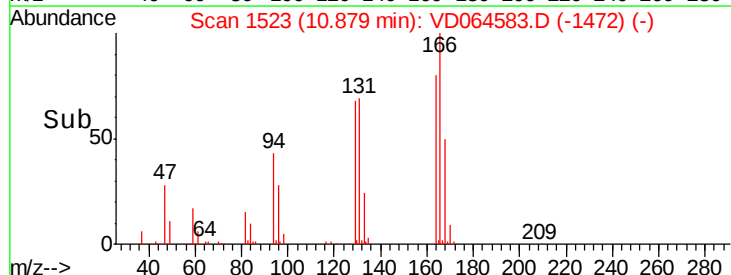
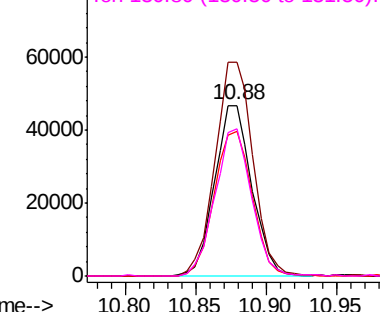


#64
Tetrachloroethene
Concen: 20.580 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:164 Resp: 86139
Ion Ratio Lower Upper
164 100
166 125.4 101.3 151.9
129 85.0 70.5 105.7
131 86.2 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

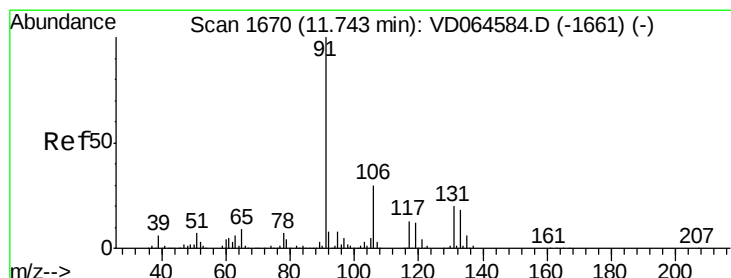
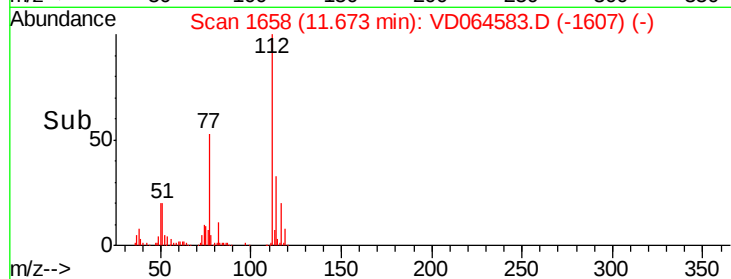
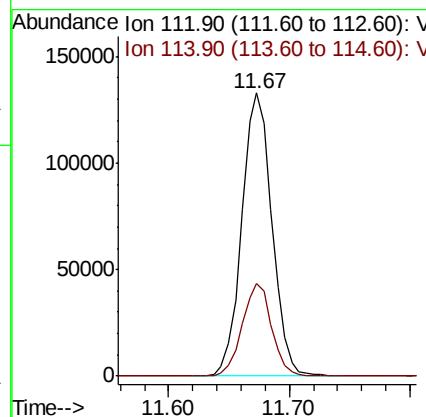
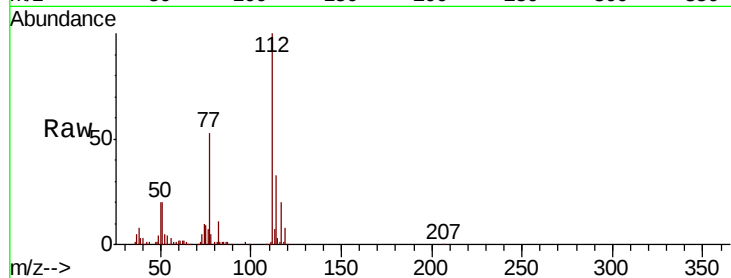




#65
Chlorobenzene
Concen: 20.123 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

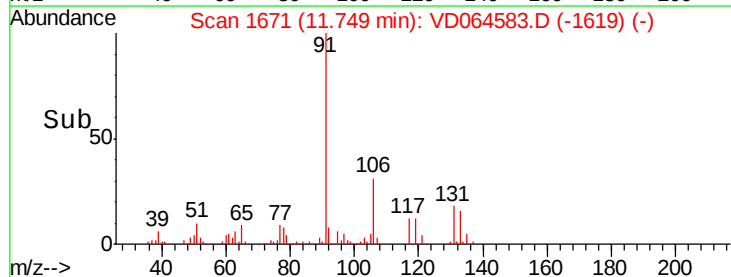
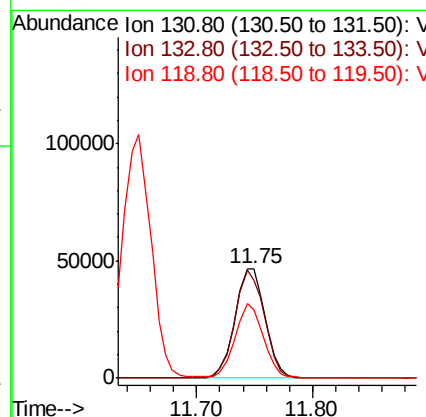
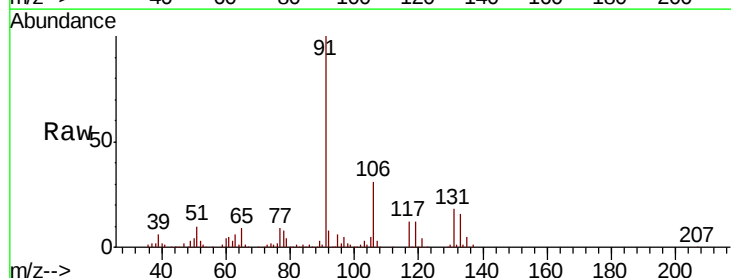
Instrument :
MSVOA_D
ClientSampled :

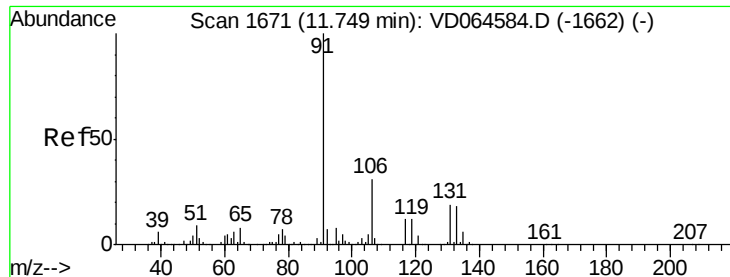
Tot Ion:112 Resp: 231422
Ion Ratio Lower Upper
112 100
114 32.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.974 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:131 Resp: 84860
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.8
119 63.9 32.1 96.3

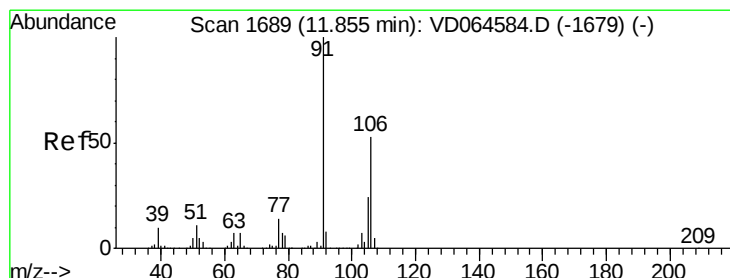
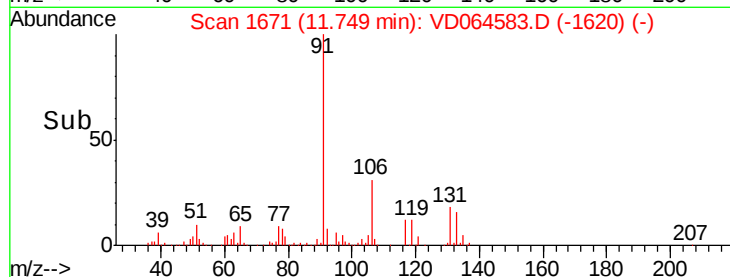
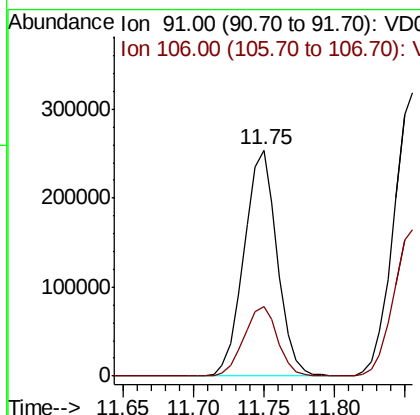
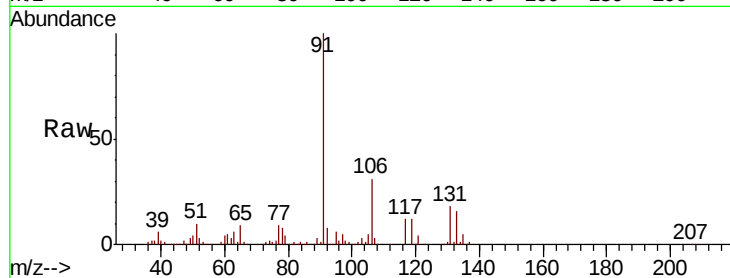




#67
Ethyl Benzene
Concen: 20.367 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

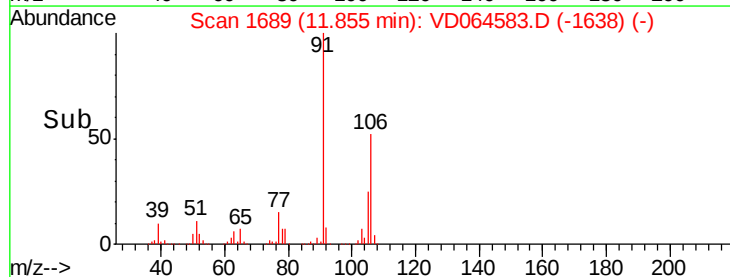
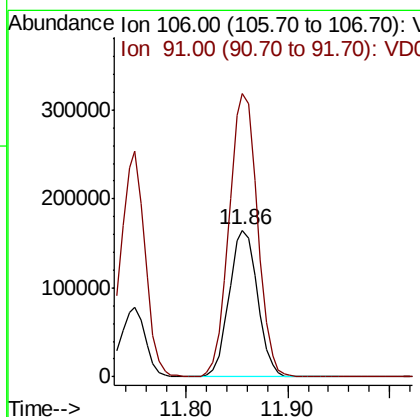
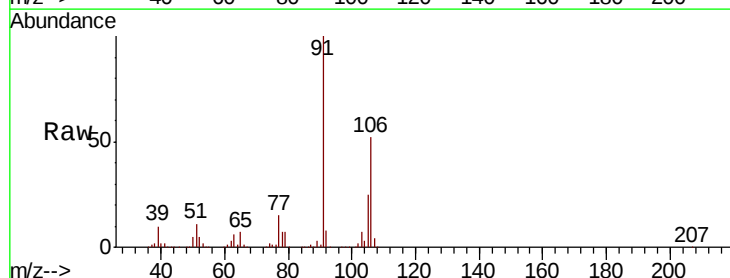
Instrument :
MSVOA_D
ClientSampled :

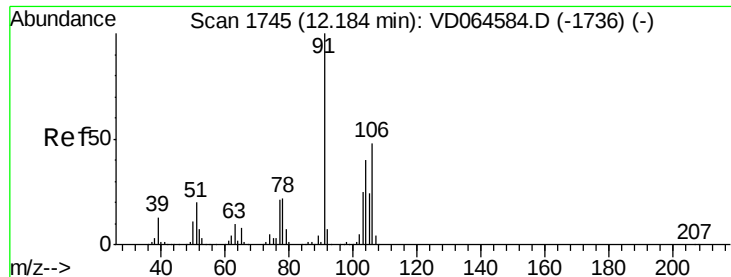
Tot Ion: 91 Resp: 417492
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 40.770 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 106 Resp: 319539
Ion Ratio Lower Upper
106 100
91 193.4 156.3 234.5

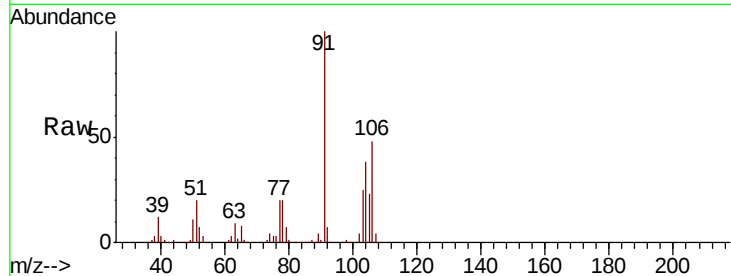




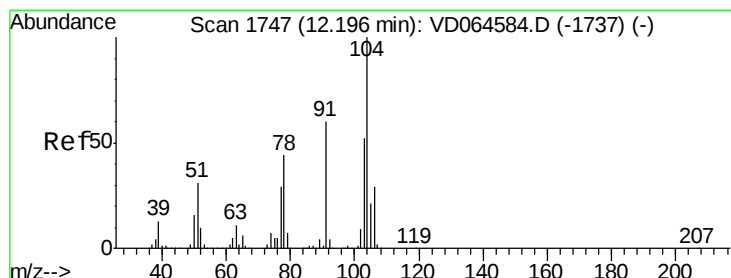
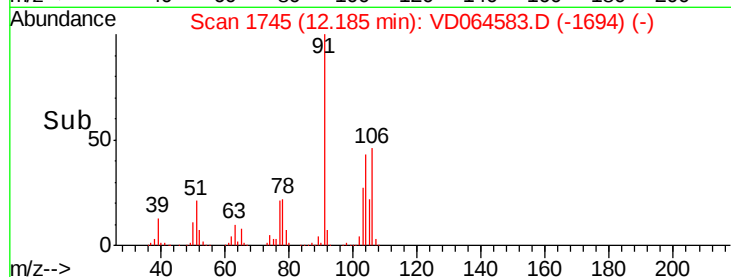
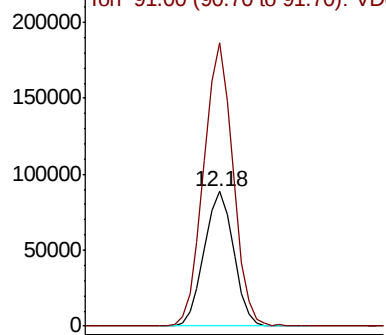
#69
o-Xylene
Concen: 19.942 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 143637
Ion Ratio Lower Upper
106 100
91 208.1 104.8 314.4

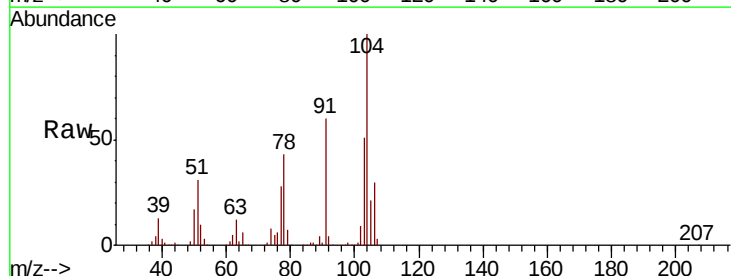


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

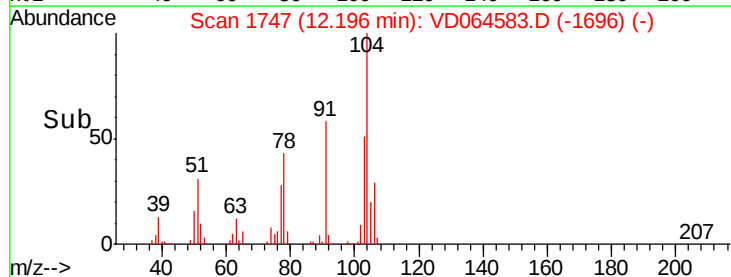
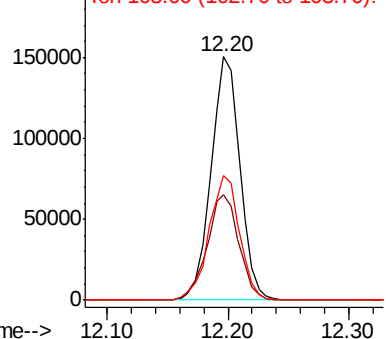


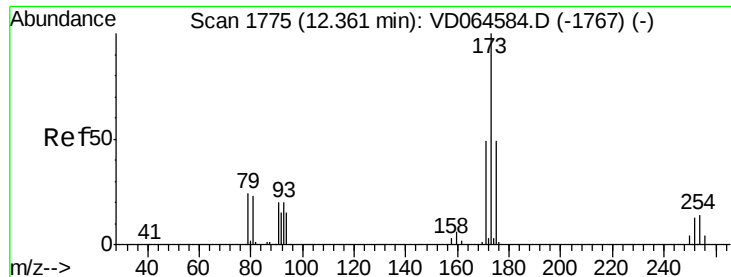
#70
Styrene
Concen: 20.062 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:104 Resp: 251630
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 54.1 44.6 67.0



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

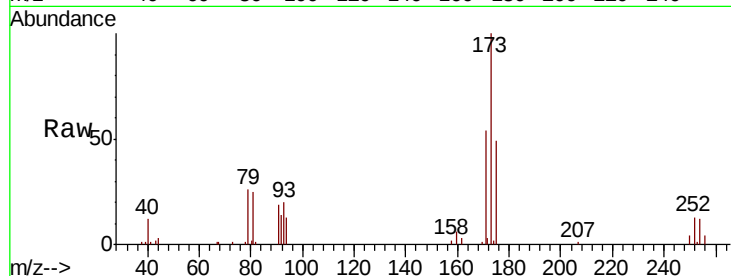




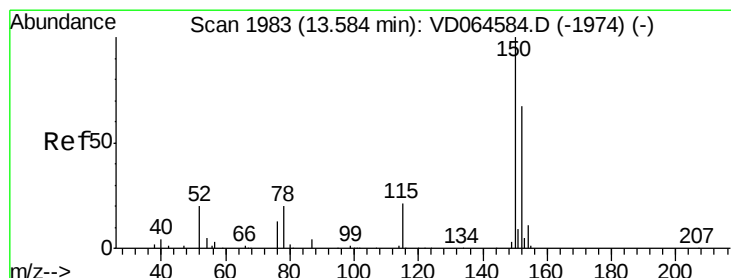
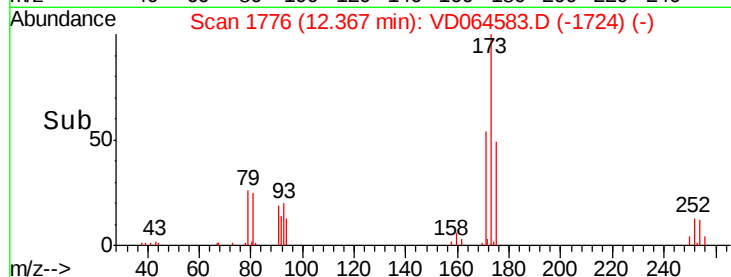
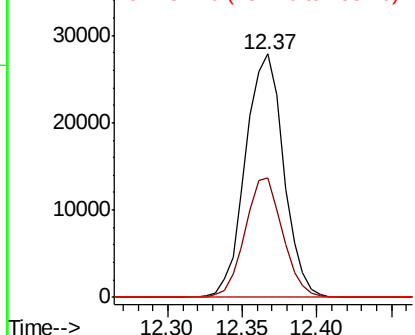
#71
Bromoform
Concen: 19.443 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 49310
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.0 0.1 0.1#

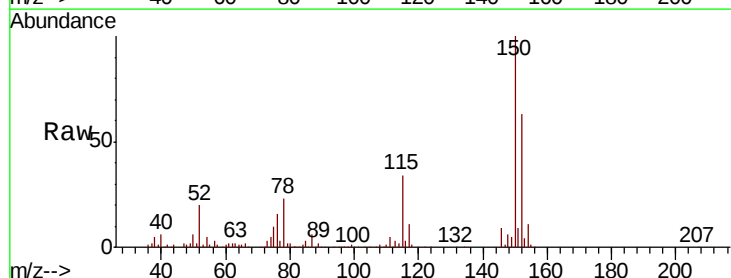


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

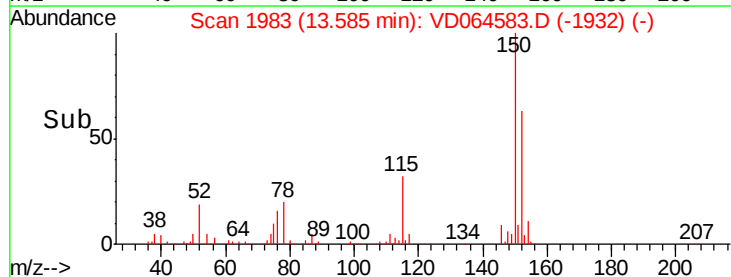
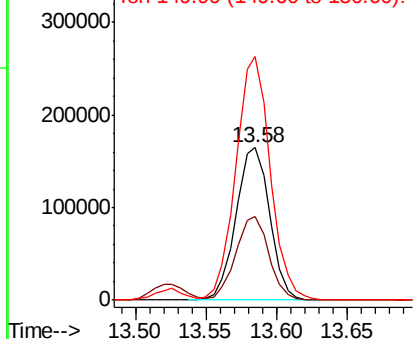


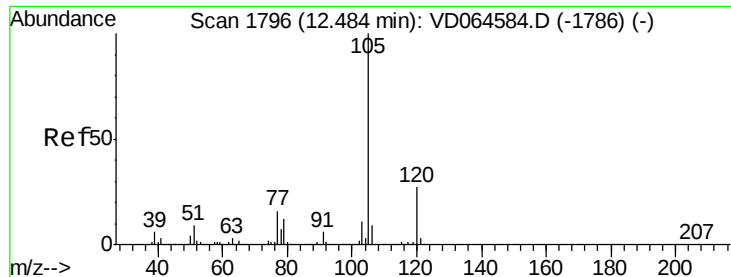
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:152 Resp: 274415
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.4
150 163.3 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: 19.844 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

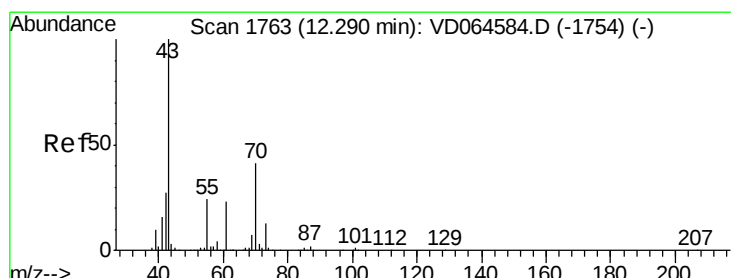
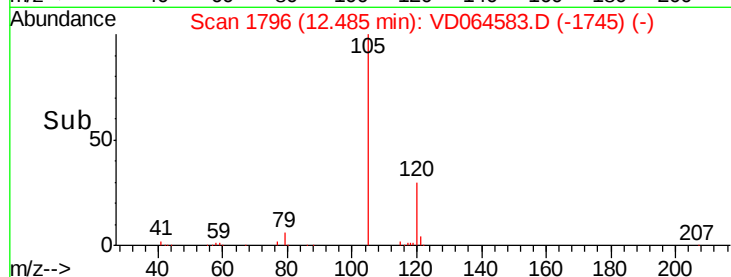
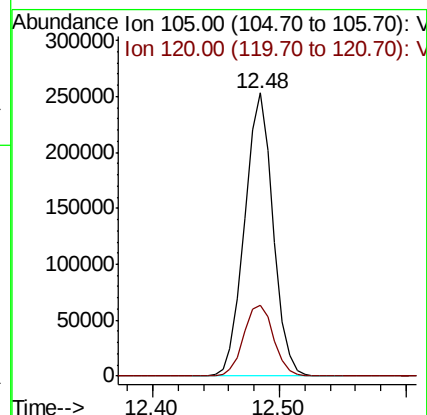
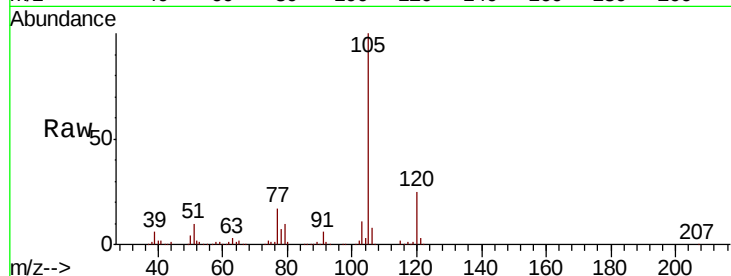
ClientSampleId :

Tot Ion:105 Resp: 392784

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5



#74

N-ethyl acetate

Concen: 18.984 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion: 43 Resp: 84275

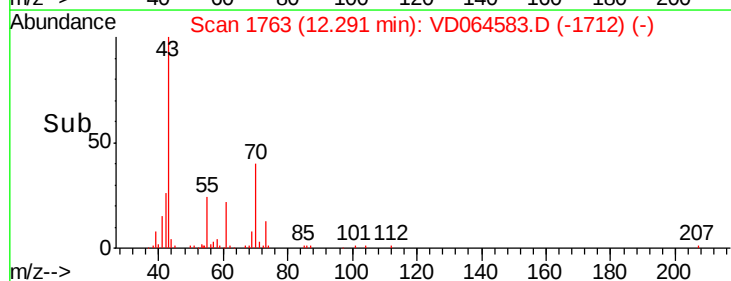
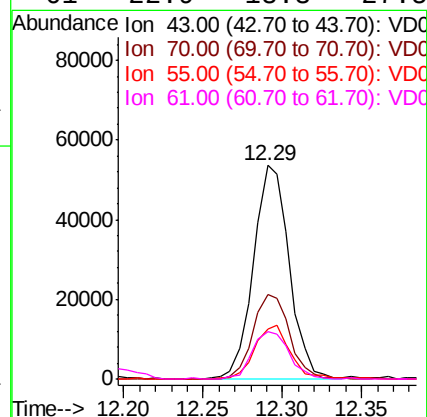
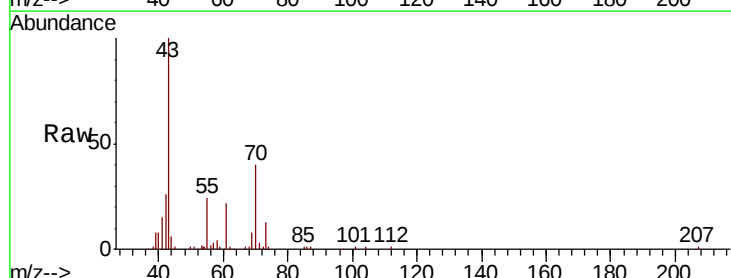
Ion Ratio Lower Upper

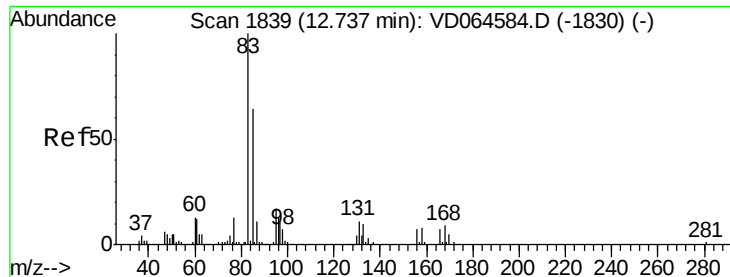
43 100

70 40.3 33.4 50.0

55 25.2 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.180 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

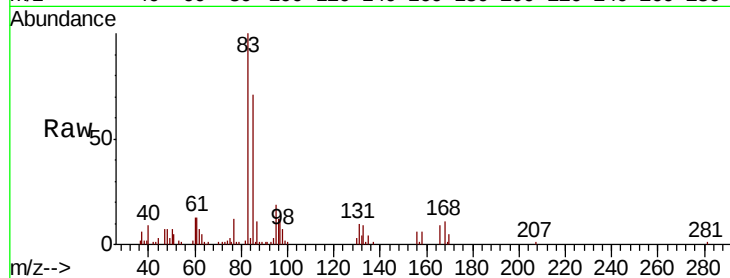
Tot Ion: 83 Resp: 62041

Ion Ratio Lower Upper

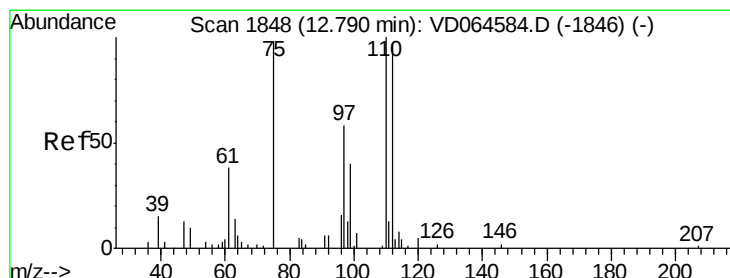
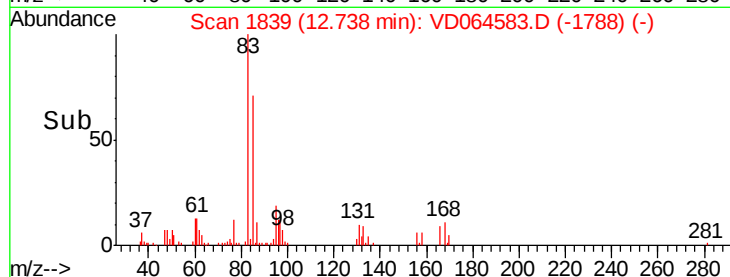
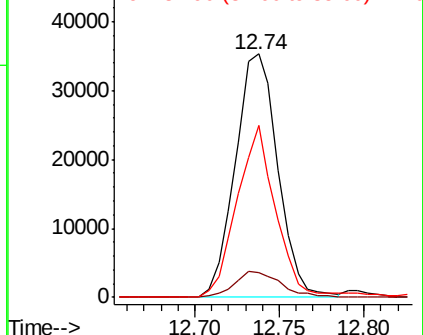
83 100

131 11.7 5.8 17.4

85 63.5 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: 37.481 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064583.D

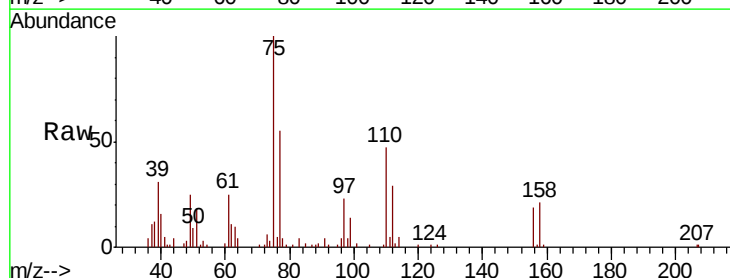
Acq: 24 Dec 2019 11:18

Tgt Ion: 75 Resp: 82897

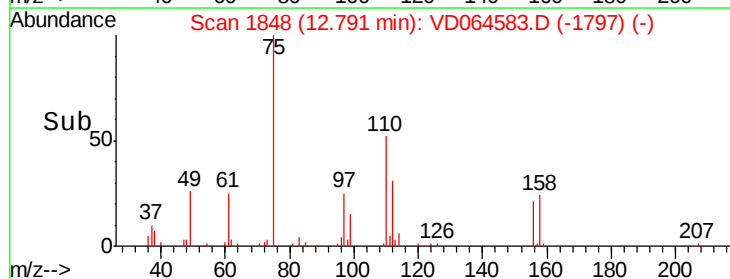
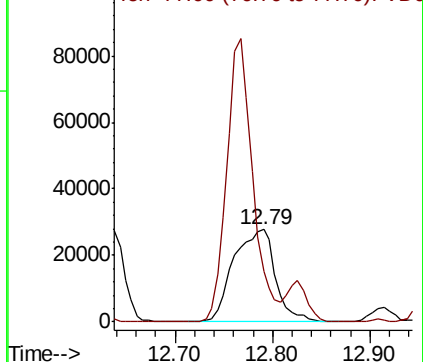
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.084 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

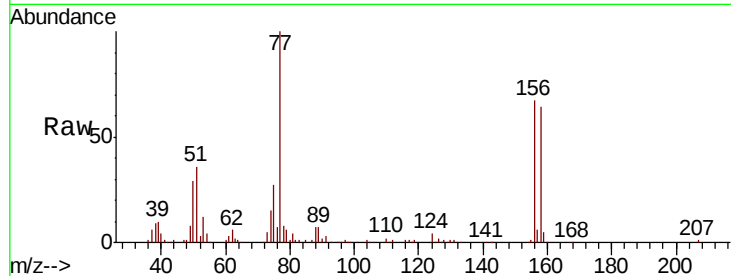
Tot Ion:156 Resp: 97729

Ion Ratio Lower Upper

156 100

77 162.8 80.9 242.7

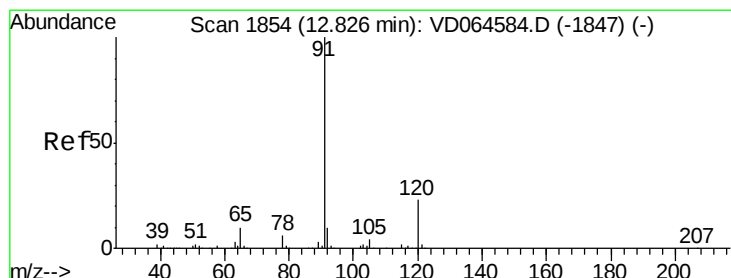
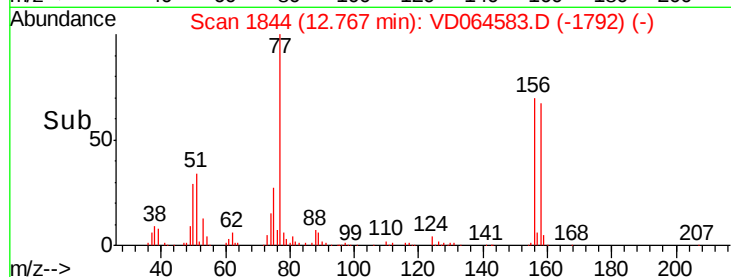
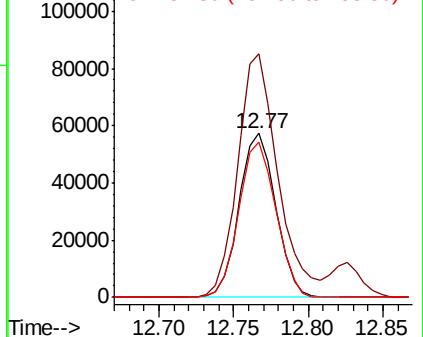
158 95.9 48.0 144.2



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: 20.201 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064583.D

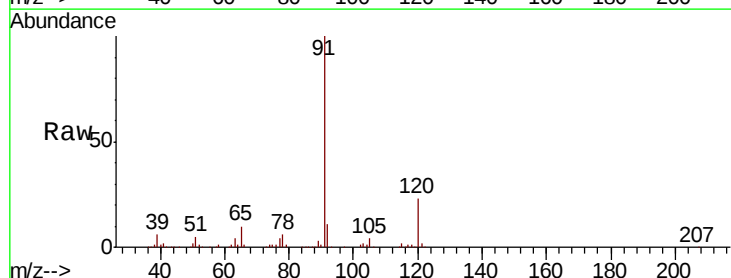
Acq: 24 Dec 2019 11:18

Tgt Ion: 91 Resp: 461669

Ion Ratio Lower Upper

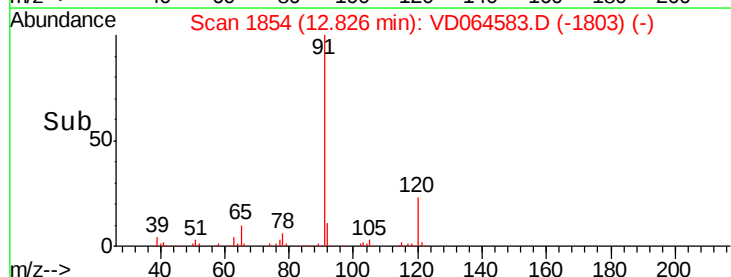
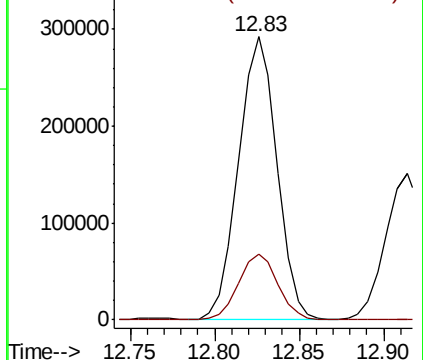
91 100

120 23.8 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: 19.920 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

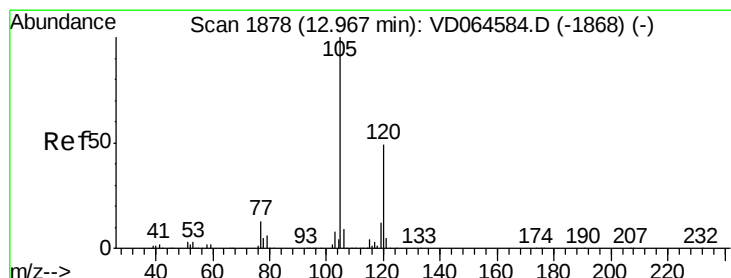
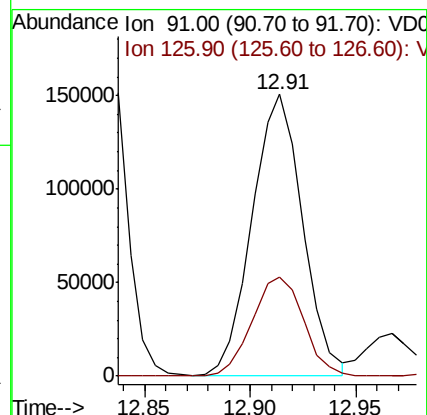
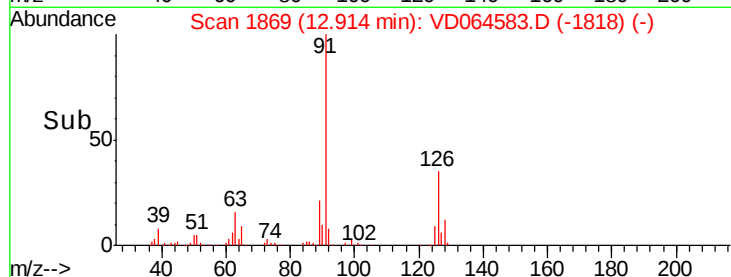
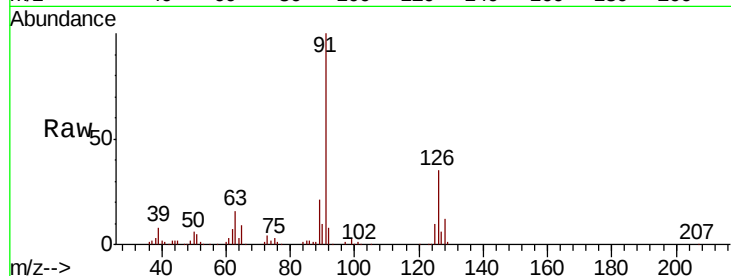
ClientSampleId :

Tot Ion: 91 Resp: 250023

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 19.993 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064583.D

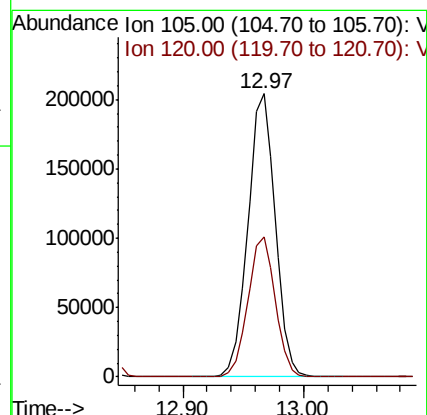
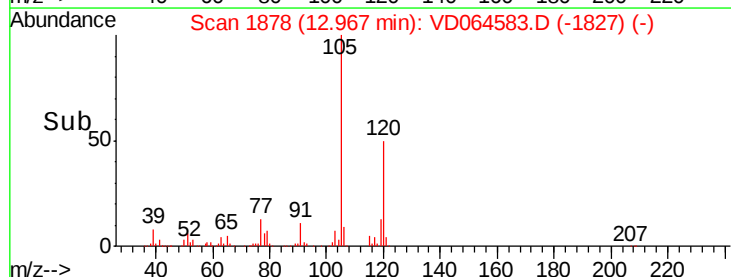
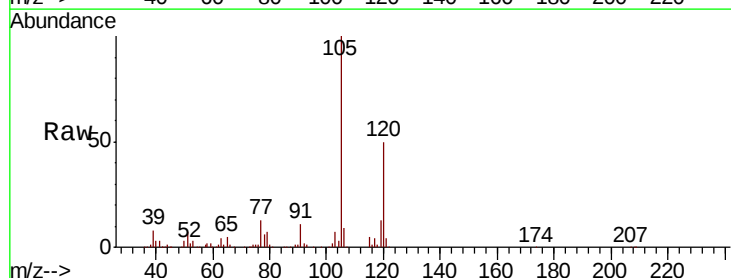
Acq: 24 Dec 2019 11:18

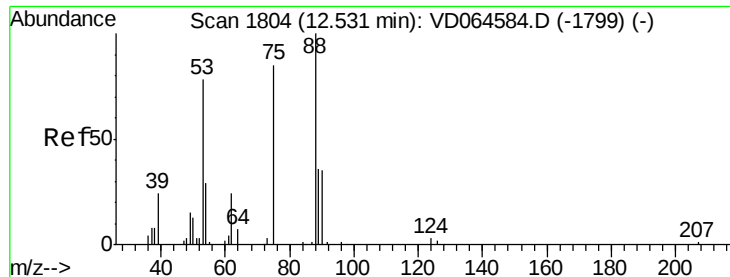
Tgt Ion:105 Resp: 323400

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0

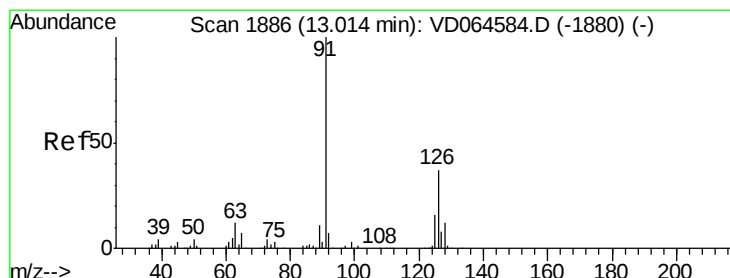
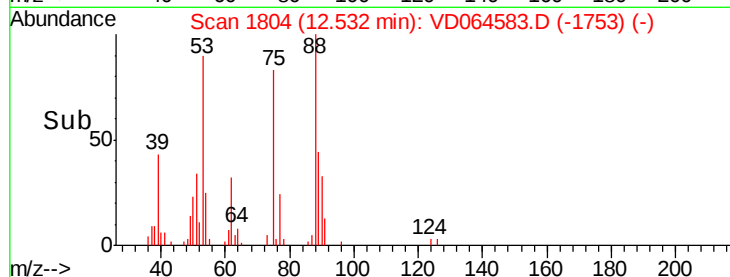
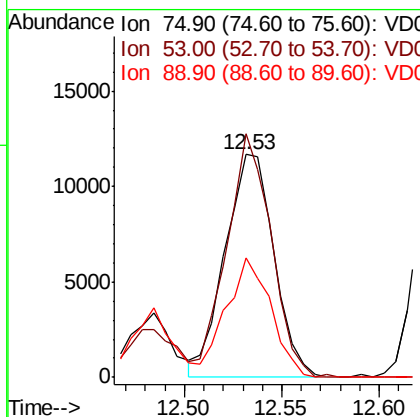
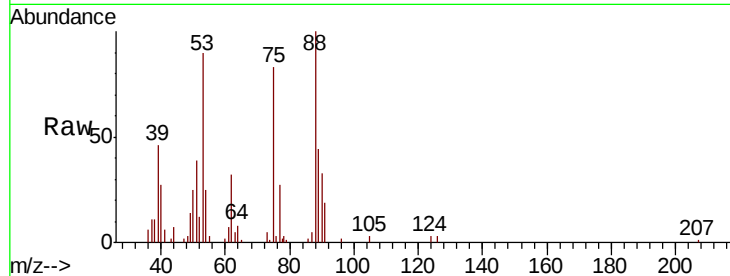




#81
trans-1,4-Dichloro-2-butene
Concen: 19.640 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

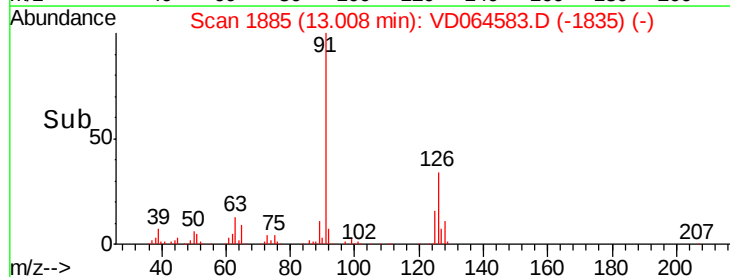
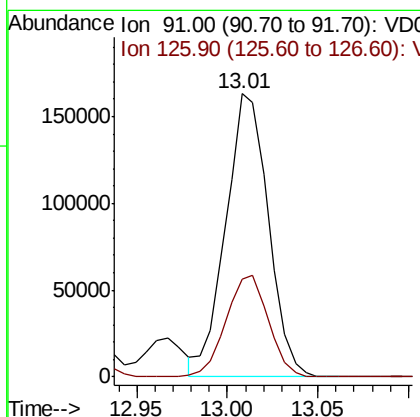
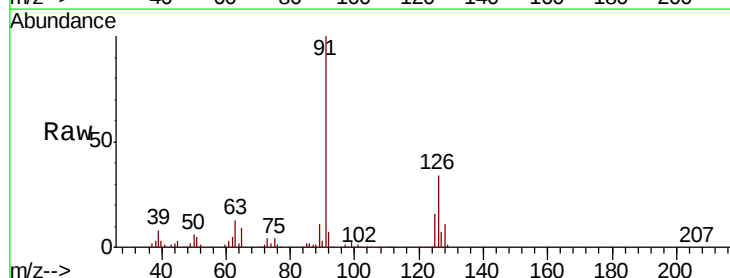
Instrument :
MSVOA_D
ClientSampleId :

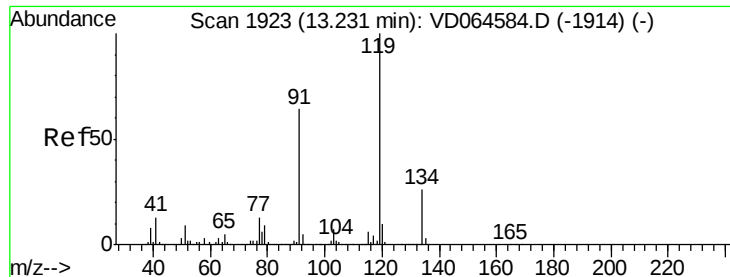
Tot Ion: 75 Resp: 20318
Ion Ratio Lower Upper
75 100
53 99.6 78.8 118.2
89 48.8 38.3 57.5



#82
4-Chlorotoluene
Concen: 20.037 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 91 Resp: 266721
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.5

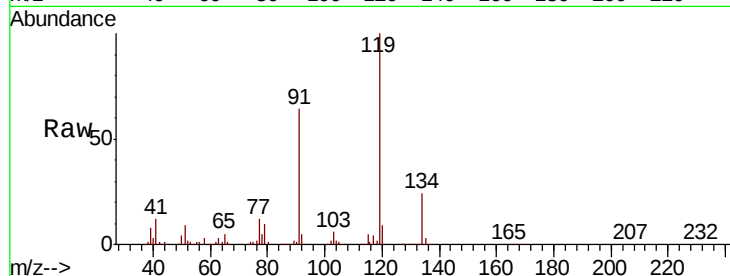




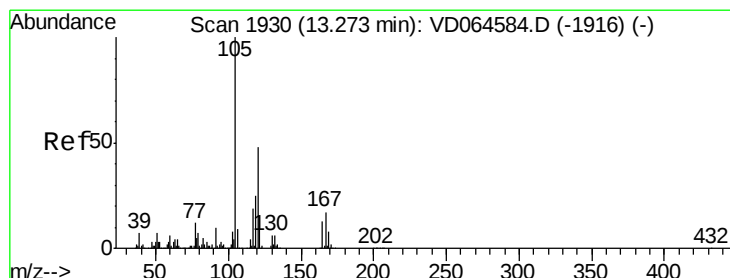
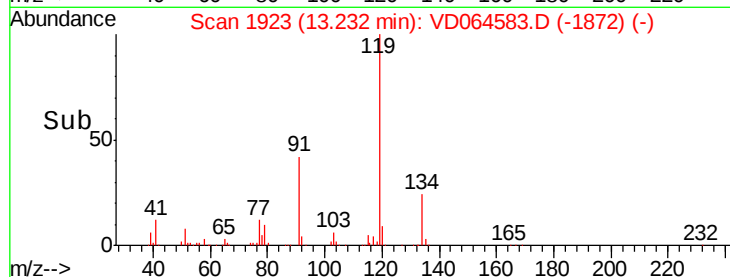
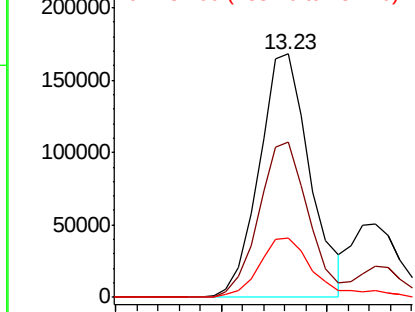
#83
 tert-Butylbenzene
 Concen: 19.925 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 280350
 Ion Ratio Lower Upper
 119 100
 91 62.2 30.8 92.4
 134 26.7 12.8 38.3

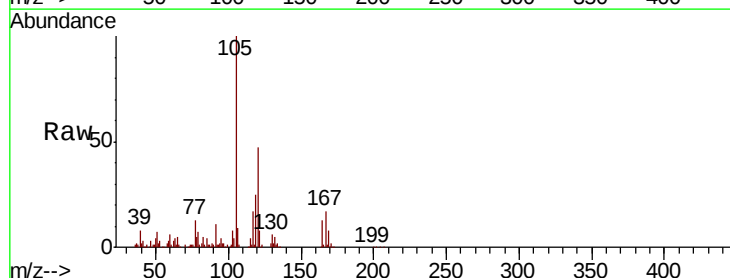


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

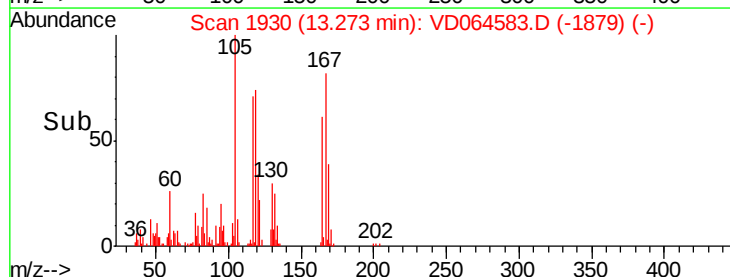
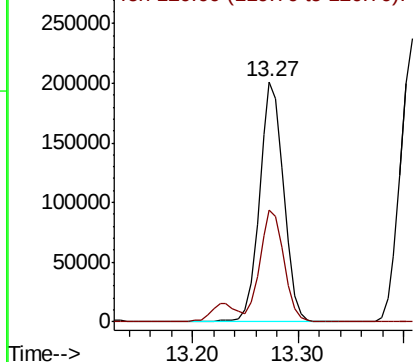


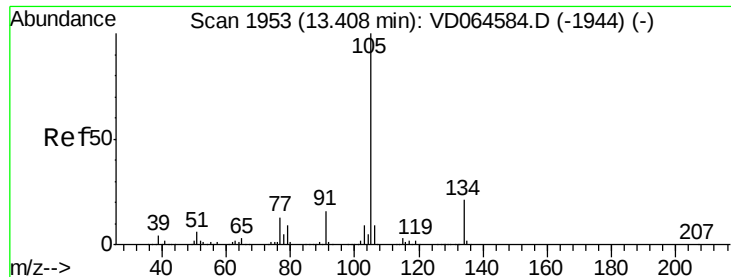
#84
 1,2,4-Trimethylbenzene
 Concen: 19.679 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion:105 Resp: 320005
 Ion Ratio Lower Upper
 105 100
 120 46.1 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: 19.769 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

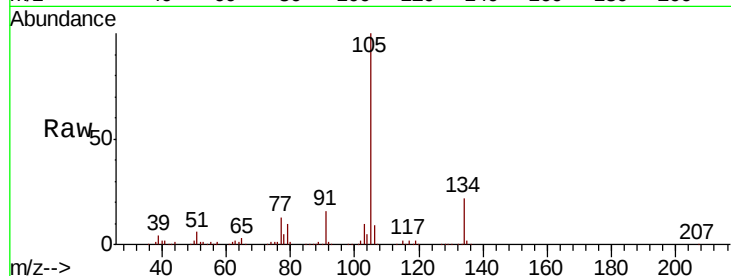
ClientSampled :

Tot Ion:105 Resp: 381198

Ion Ratio Lower Upper

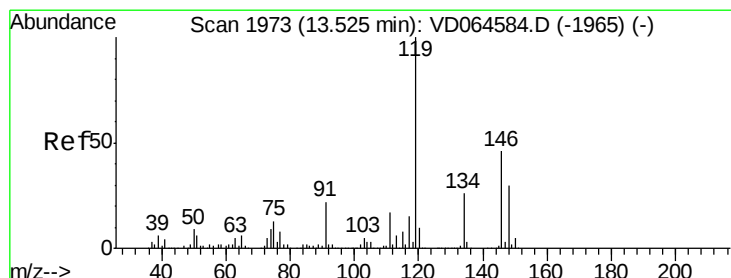
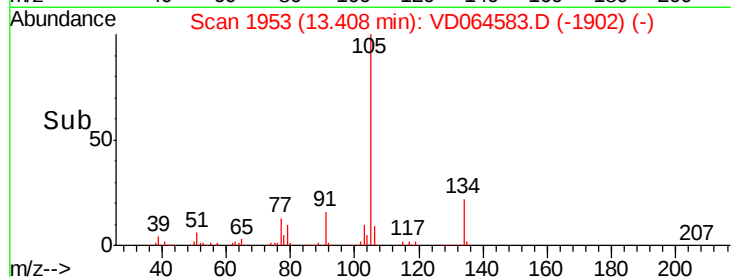
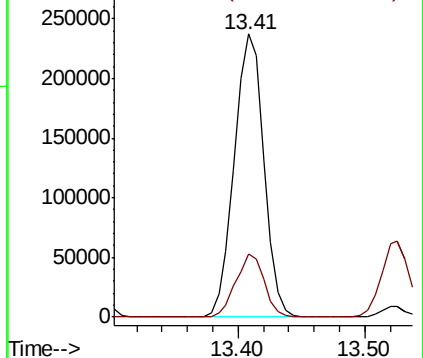
105 100

134 21.4 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: 19.774 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

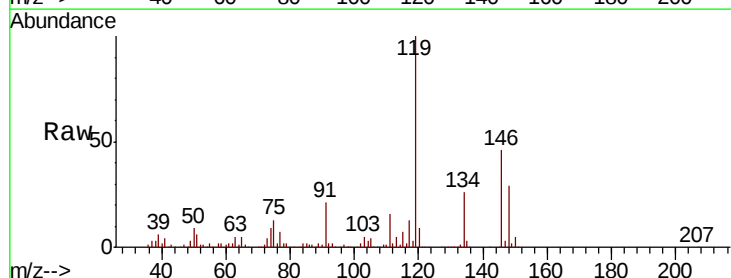
Tgt Ion:119 Resp: 361525

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

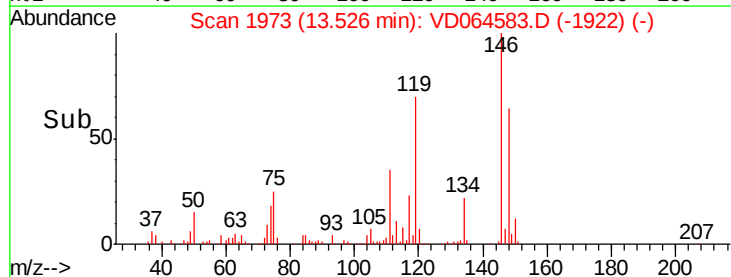
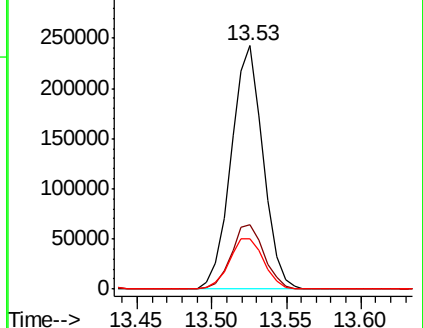
91 22.6 11.2 33.6

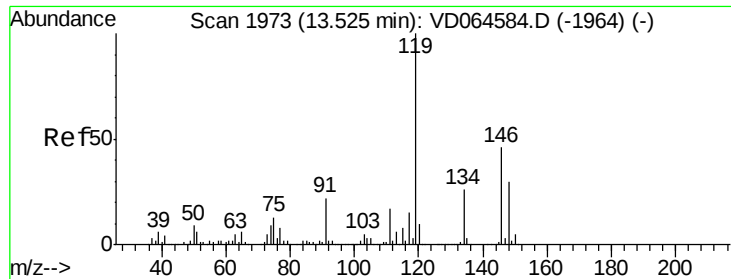


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

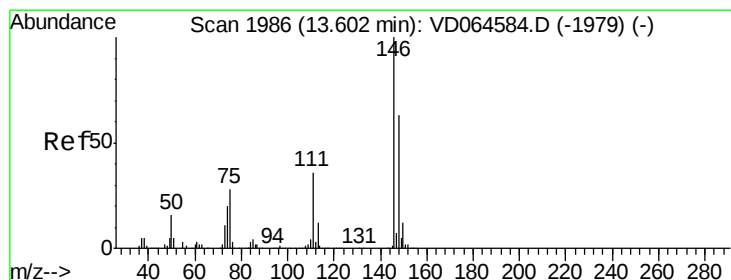
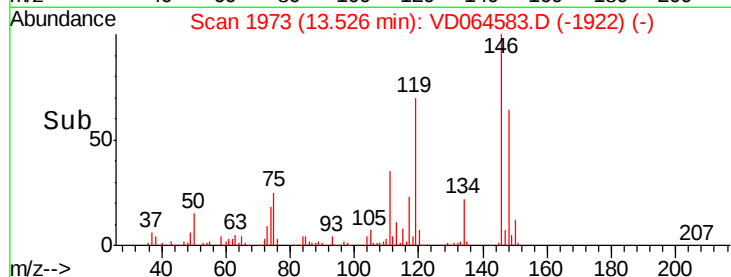
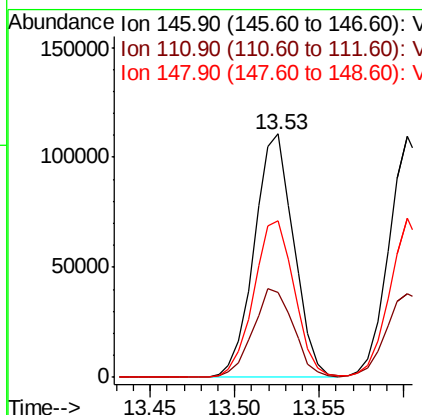
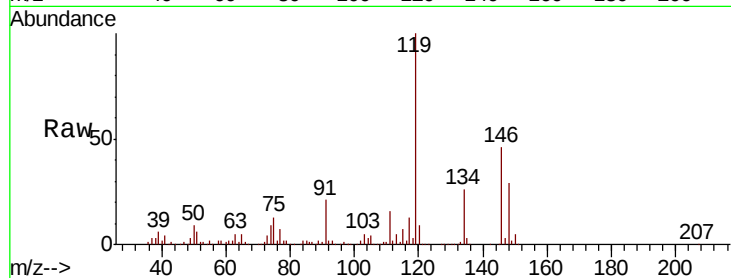




#87
 1,3-Dichlorobenzene
 Concen: 19.450 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

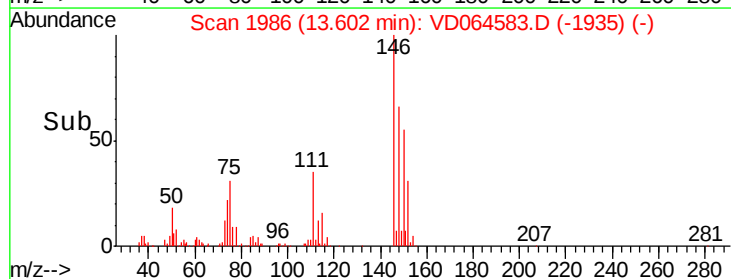
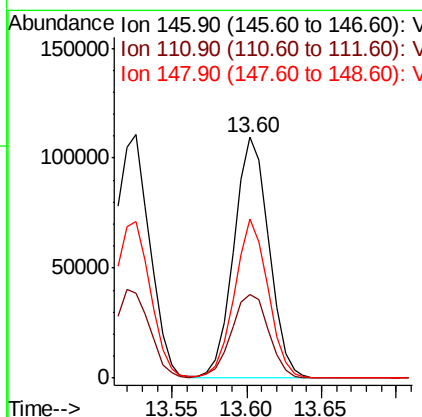
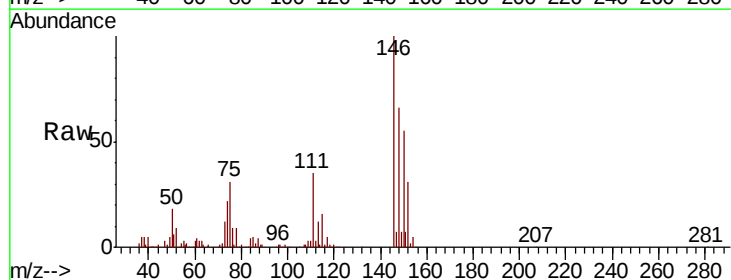
Instrument :
 MSVOA_D
 ClientSampleId :

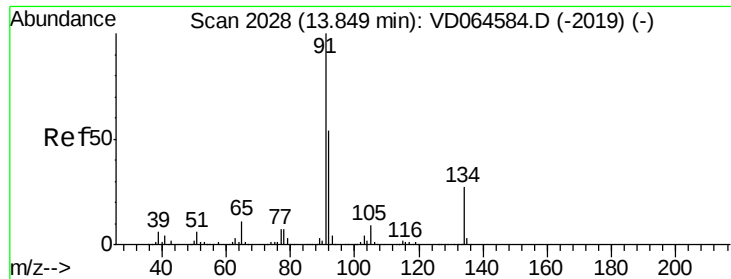
Tot Ion:146 Resp: 180023
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 65.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.560 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion:146 Resp: 178833
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.1
 148 63.2 32.3 96.9

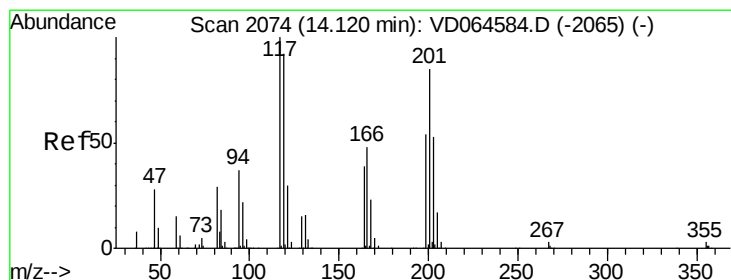
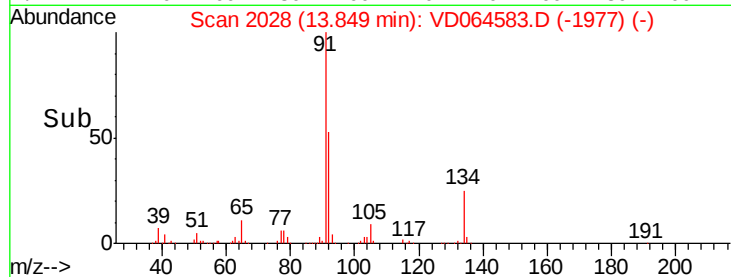
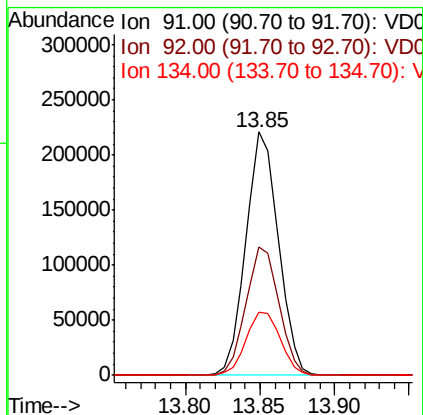
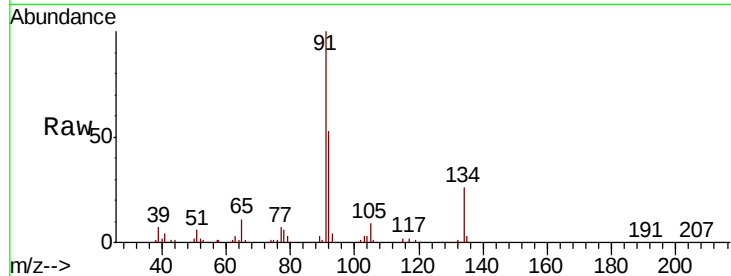




#89
n-Butylbenzene
Concen: 20.127 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

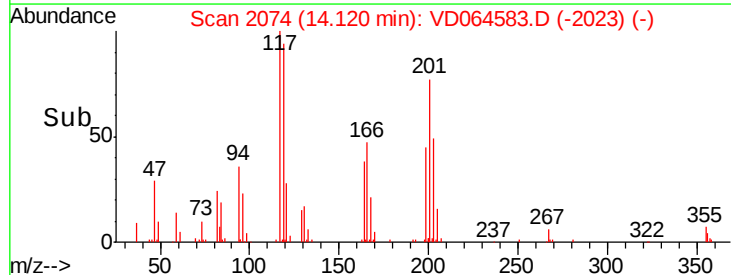
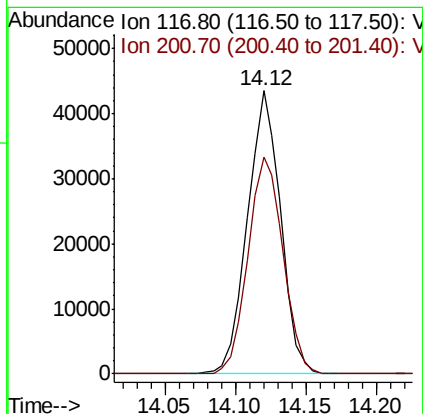
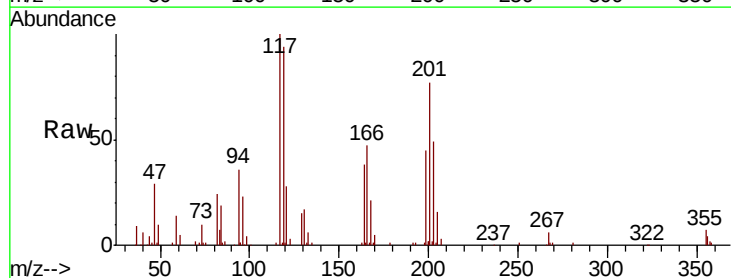
Instrument :
MSVOA_D
ClientSampled :

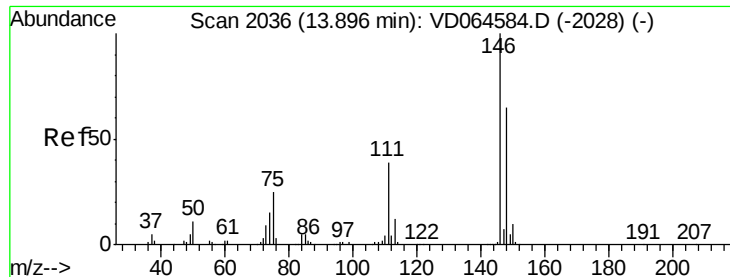
Tot Ion: 91 Resp: 333029
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 20.926 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 117 Resp: 71629
Ion Ratio Lower Upper
117 100
201 81.0 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 19.887 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

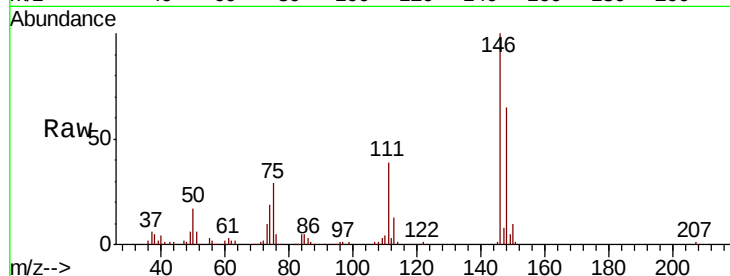
Tot Ion:146 Resp: 156894

Ion Ratio Lower Upper

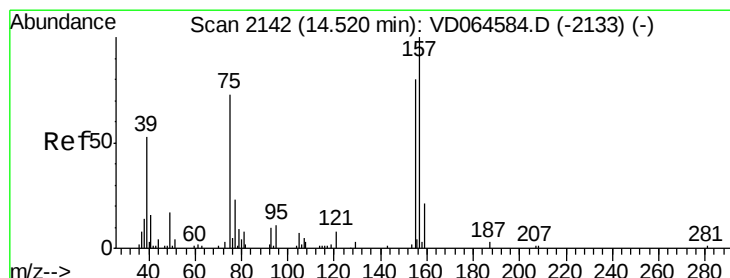
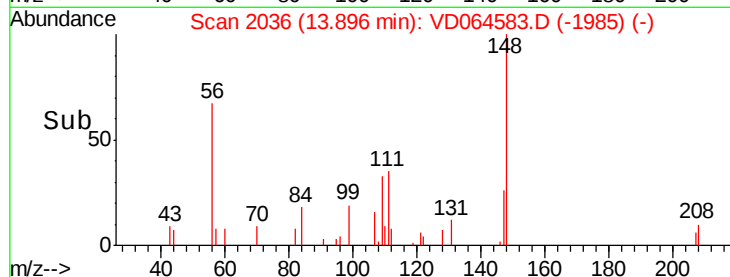
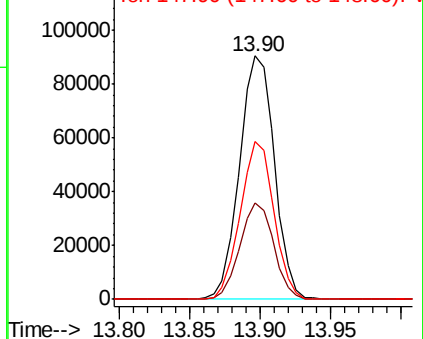
146 100

111 38.4 19.3 57.9

148 62.5 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: 18.212 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

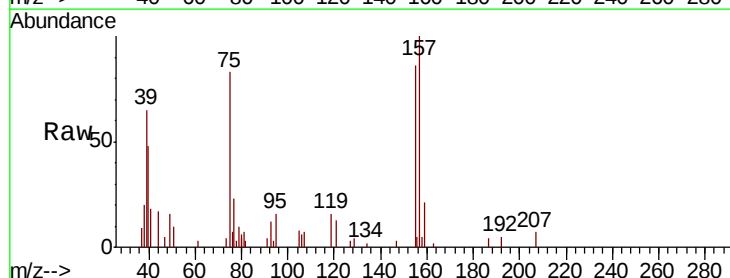
Tgt Ion: 75 Resp: 9927

Ion Ratio Lower Upper

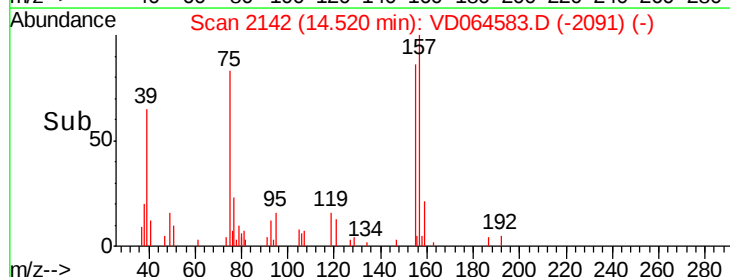
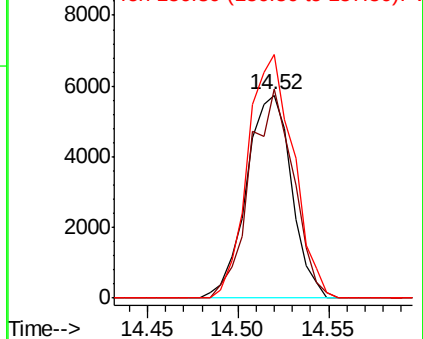
75 100

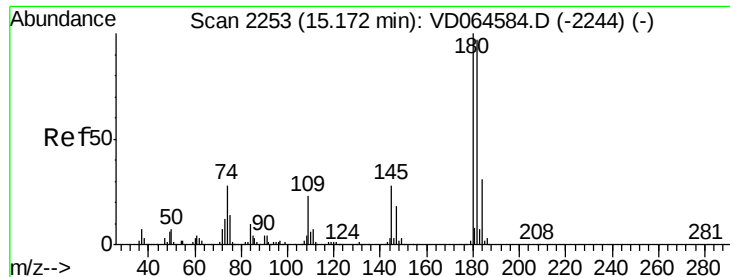
155 99.9 48.0 144.0

157 120.8 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

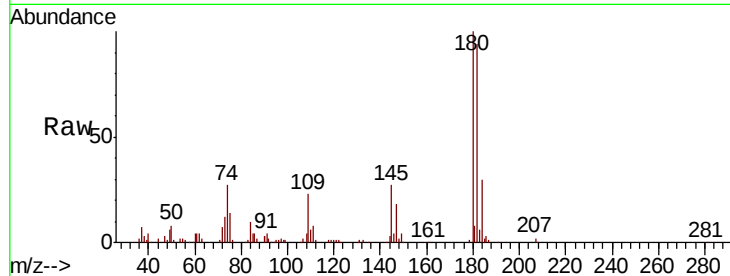




#93
 1,2,4-Trichlorobenzene
 Concen: 19.062 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	27.0	13.8	41.4

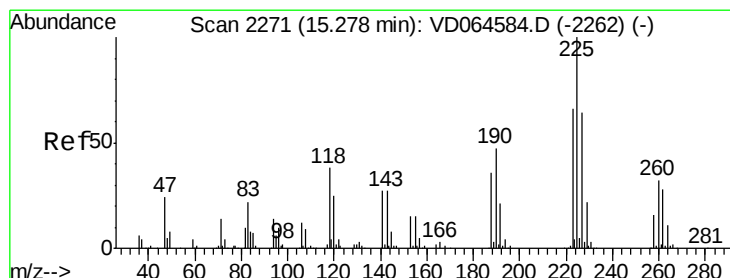
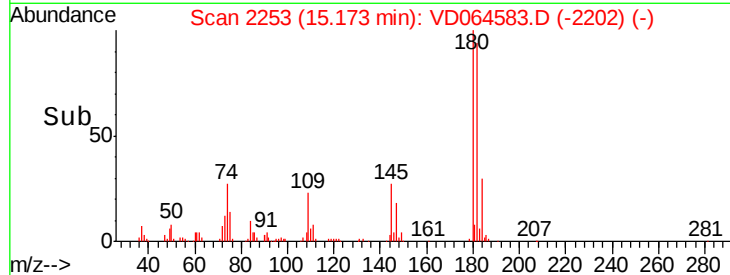
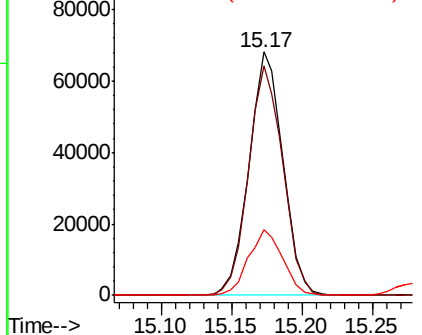


Abundance

Ion 179.80 (179.50 to 180.50): V

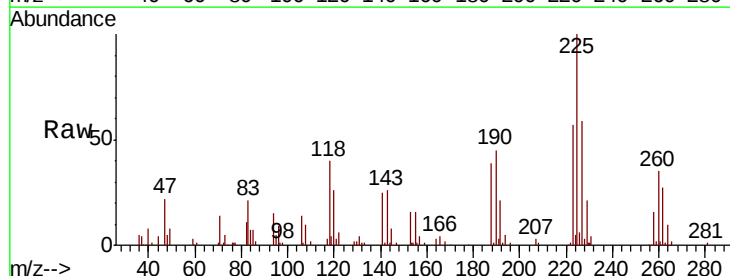
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.509 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	64.5	30.9	92.7

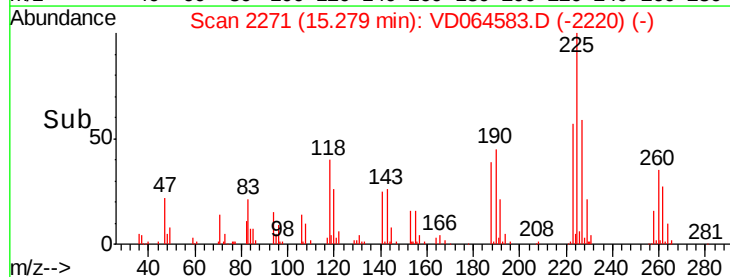
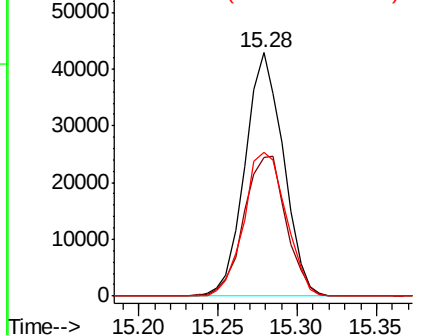


Abundance

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

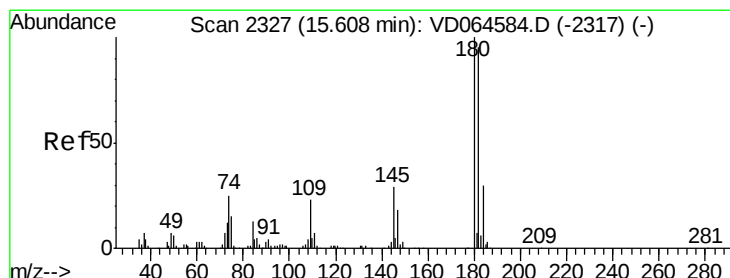
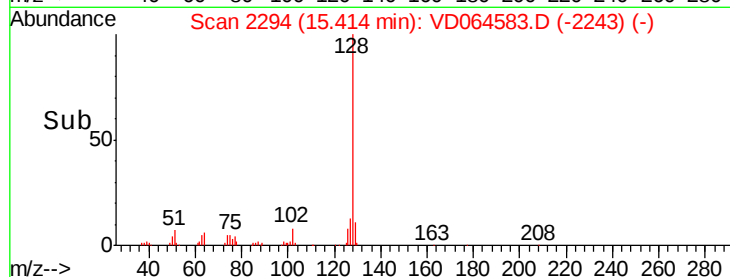
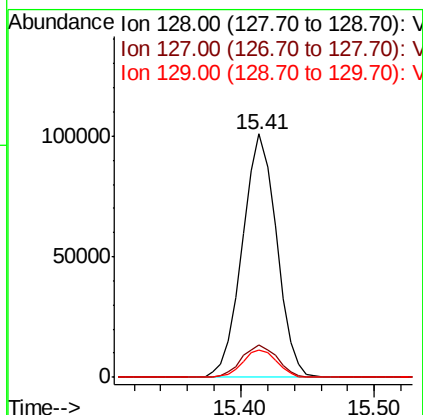
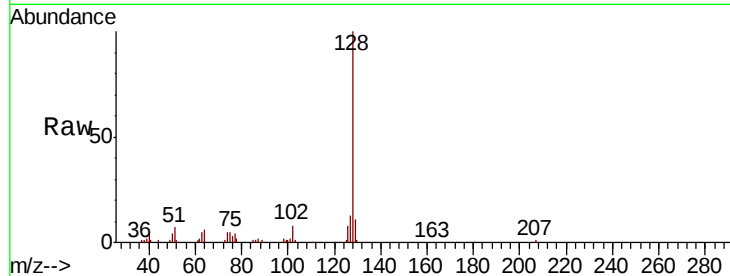




#95
Naphthalene
Concen: 17.886 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 178925
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.219 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:180 Resp: 98619
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.7
145 30.7 14.9 44.7

