

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064566.D
 Acq On : 23 Dec 2019 14:09
 Operator : VA/SY
 Sample : K6396-04MS
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Quant Time: Dec 24 05:53:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	24504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	38154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	39516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	17839	80.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.86%	
35) Dibromofluoromethane	7.93	113	15902	66.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.30%	
50) Toluene-d8	10.34	98	46641	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.64	95	17947	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	8201	36.937	ug/l	98
3) Chloromethane	2.20	50	14610	52.171	ug/l	100
4) Vinyl Chloride	2.35	62	13369	41.347	ug/l	96
5) Bromomethane	2.77	94	15928	66.613	ug/l	91
6) Chloroethane	2.92	64	11589	53.623	ug/l	90
7) Trichlorofluoromethane	3.27	101	21283	39.595	ug/l	96
8) Diethyl Ether	3.71	74	9859	88.265	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11316	49.099	ug/l #	15
10) Methyl Iodide	4.29	142	12538	51.515	ug/l	98
11) Tert butyl alcohol	5.24	59	15343	1086.729	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	10352	46.870	ug/l	88
13) Acrolein	3.93	56	12423	645.103	ug/l	99
14) Allyl chloride	4.72	41	22292	64.672	ug/l	91
15) Acrylonitrile	5.42	53	45987	941.502	ug/l	99
16) Acetone	4.16	43	63241	1410.976	ug/l	95
17) Carbon Disulfide	4.40	76	29202	41.746	ug/l #	94
18) Methyl Acetate	4.72	43	31559	241.390	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	49480	97.664	ug/l	95
20) Methylene Chloride	4.96	84	19718	90.154	ug/l	90
21) trans-1,2-Dichloroethene	5.48	96	13270	53.115	ug/l	87
22) Diisopropyl ether	6.36	45	45715	67.182	ug/l #	95
23) Vinyl Acetate	6.31	43	120739	300.977	ug/l	96
24) 1,1-Dichloroethane	6.27	63	24917	60.889	ug/l	100
25) 2-Butanone	7.22	43	68157	1075.272	ug/l	98
26) 2,2-Dichloropropane	7.21	77	20230	56.845	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	17458	64.095	ug/l	95
28) Bromochloromethane	7.56	49	11903	85.112	ug/l	94
29) Tetrahydrofuran	7.57	42	39331	975.288	ug/l	97
30) Chloroform	7.71	83	26162	61.730	ug/l	87
31) Cyclohexane	7.98	56	16248	45.021	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	20082	51.110	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15818	43.831	ug/l	93
37) Ethyl Acetate	7.30	43	24444	159.629	ug/l #	93
38) Carbon Tetrachloride	8.10	117	17325	45.486	ug/l	88

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16276	36.358	ug/l	93
40) Benzene	8.35	78	53138	53.015	ug/l	95
41) Methacrylonitrile	7.57	41	37142	422.944	ug/l #	39
42) 1,2-Dichloroethane	8.43	62	24108	82.476	ug/l	98
43) Isopropyl Acetate	8.46	43	36738	122.019	ug/l	95
44) Trichloroethene	9.11	130	15418	51.065	ug/l	97
45) 1,2-Dichloropropane	9.39	63	15589	65.032	ug/l	92
46) Dibromomethane	9.48	93	12196	90.144	ug/l	96
47) Bromodichloromethane	9.66	83	23838	68.572	ug/l #	93
48) Methyl methacrylate	9.46	41	18739	136.012	ug/l	88
49) 1,4-Dioxane	9.47	88	7790	4662.747	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	116807	784.078	ug/l	99
52) Toluene	10.40	92	34415	52.685	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	25720	77.632	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	25434	64.621	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16703	90.161	ug/l	90
56) Ethyl methacrylate	10.66	69	23060	97.594	ug/l	98
57) 1,3-Dichloropropane	10.95	76	27553	87.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	43250	459.169	ug/l	99
59) 2-Hexanone	10.99	43	90525	875.726	ug/l	98
60) Dibromochloromethane	11.14	129	20181	80.345	ug/l	96
61) 1,2-Dibromoethane	11.25	107	17849	96.496	ug/l	98
64) Tetrachloroethene	10.88	164	16312	54.132	ug/l	93
65) Chlorobenzene	11.67	112	39702	48.172	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	16880	55.326	ug/l	97
67) Ethyl Benzene	11.75	91	61149	41.700	ug/l	99
68) m/p-Xylenes	11.86	106	46093	82.438	ug/l	97
69) o-Xylene	12.18	106	23219	44.965	ug/l	99
70) Styrene	12.20	104	42759	47.651	ug/l	99
71) Bromoform	12.36	173	16096	88.180	ug/l #	100
73) Isopropylbenzene	12.48	105	56423	37.042	ug/l	97
74) N-amyl acetate	12.29	43	25514	73.801	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	23823	94.576	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	30778	176.713	ug/l #	100
77) Bromobenzene	12.76	156	19715	52.412	ug/l	89
78) n-propylbenzene	12.83	91	65770	37.423	ug/l	99
79) 2-Chlorotoluene	12.91	91	38953	40.280	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	48376	38.864	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	7218	90.366	ug/l	91
82) 4-Chlorotoluene	13.01	91	45119	44.066	ug/l	98
83) tert-Butylbenzene	13.23	119	39583	36.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	49009	39.156	ug/l	99
85) sec-Butylbenzene	13.41	105	51778	34.861	ug/l	99
86) p-Isopropyltoluene	13.53	119	49491	35.295	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	32784	45.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31932	45.303	ug/l	95
89) n-Butylbenzene	13.85	91	45923	36.064	ug/l	98
90) Hexachloroethane	14.12	117	11063	42.182	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	30893	50.633	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5178	145.985	ug/l	96

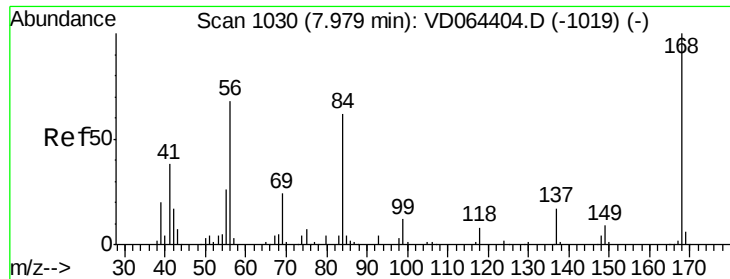
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	22606	48.379	ug/l	94
94) Hexachlorobutadiene	15.28	225	10169	35.252	ug/l	97
95) Naphthalene	15.41	128	64704	82.973	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	22944	57.523	ug/l	97

(#) = 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. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

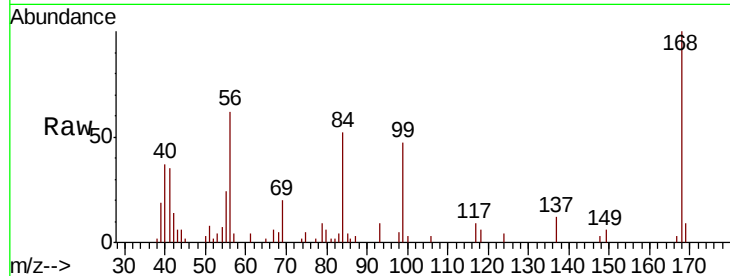
SB-2-(4-5)MS

Tot Ion:168 Resp: 24504

Ion Ratio Lower Upper

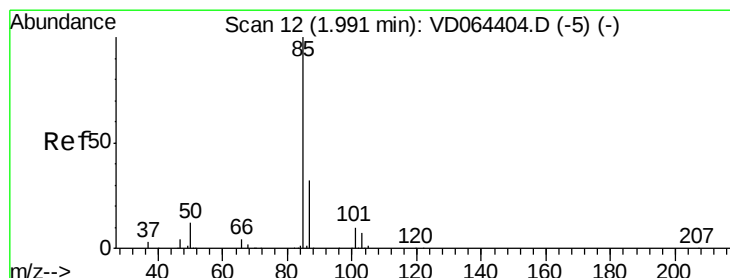
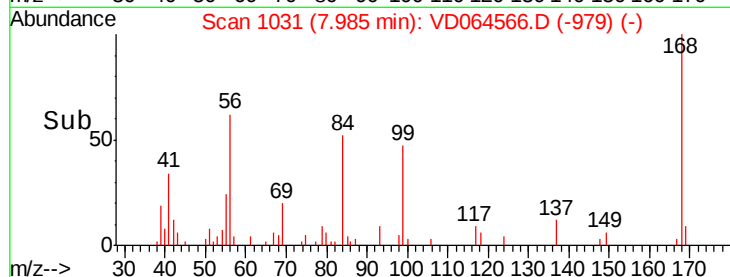
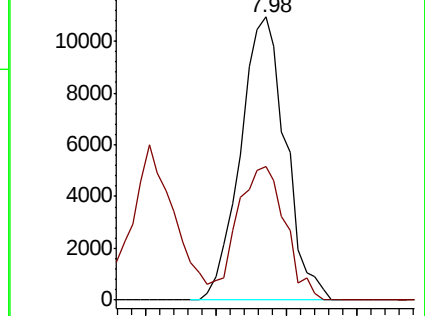
168 100

99 47.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 36.937 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064566.D

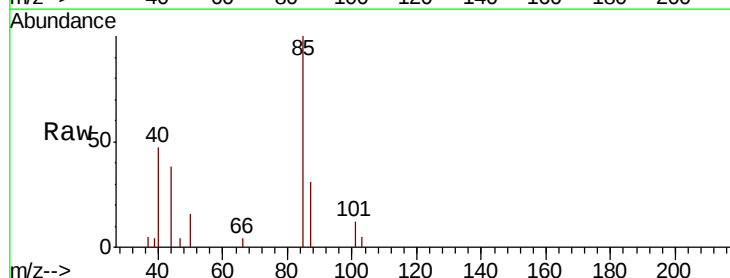
Acq: 23 Dec 2019 14:09

Tgt Ion: 85 Resp: 8201

Ion Ratio Lower Upper

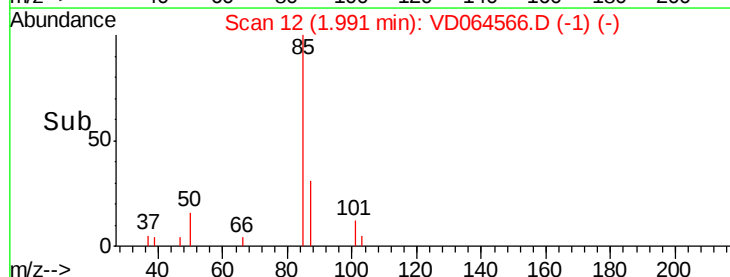
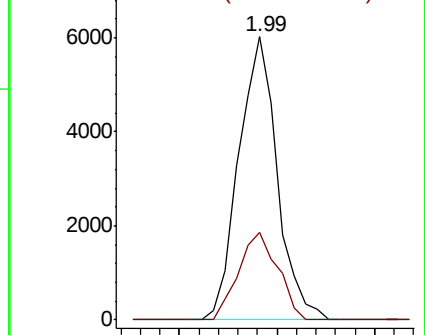
85 100

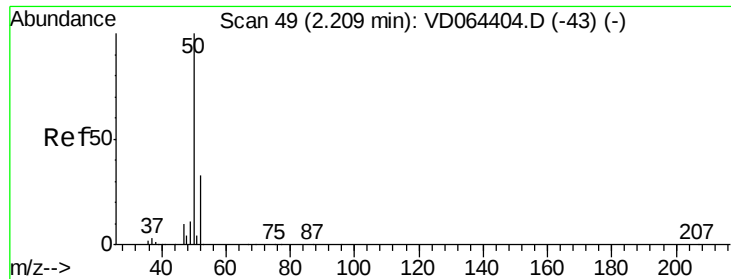
87 30.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.171 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

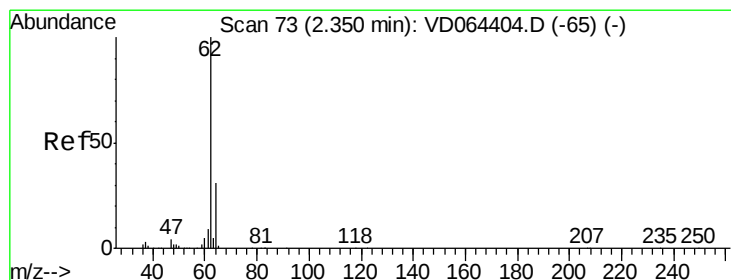
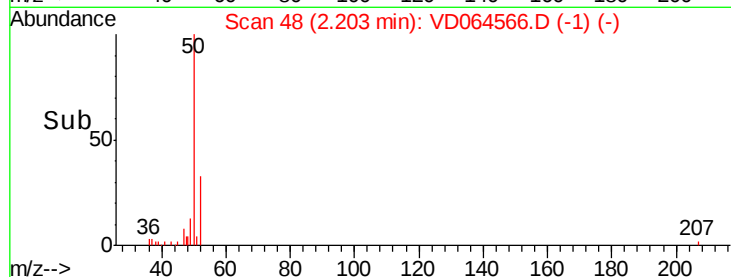
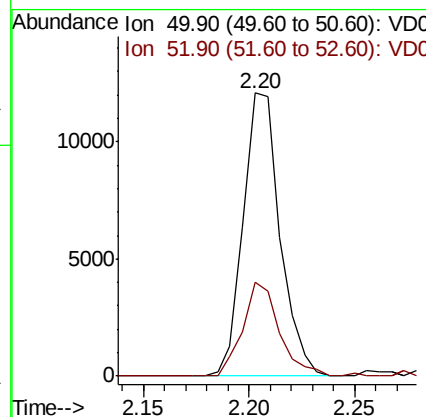
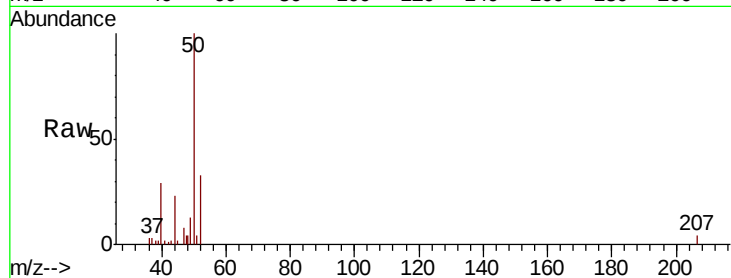
SB-2-(4-5)MS

Tot Ion: 50 Resp: 14610

Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1



#4

Vinyl Chloride

Concen: 41.347 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064566.D

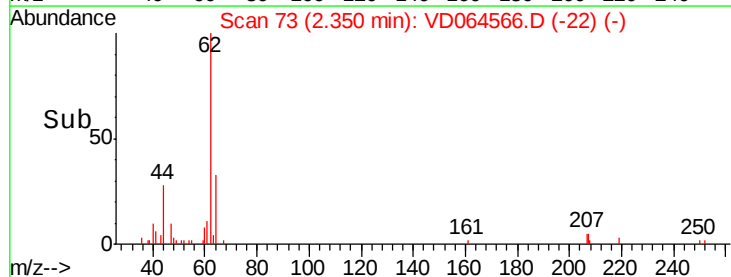
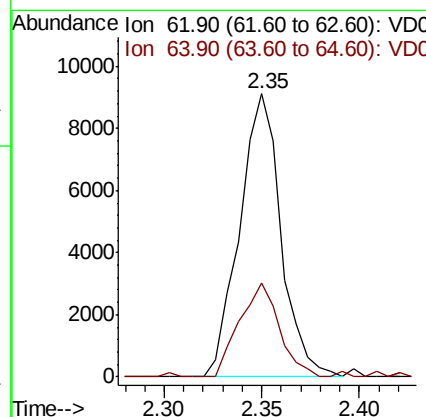
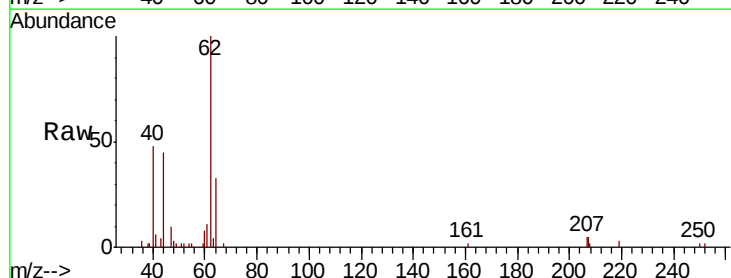
Acq: 23 Dec 2019 14:09

Tgt Ion: 62 Resp: 13369

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4





#5

Bromomethane

Concen: 66.613 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

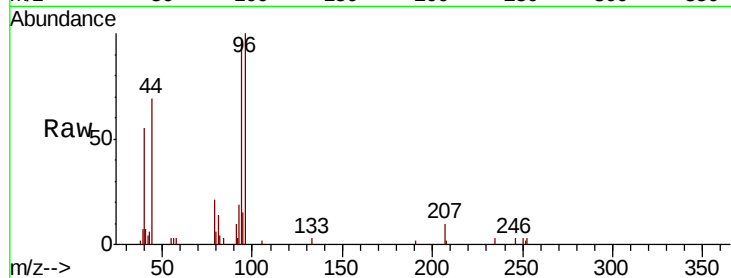
SB-2-(4-5)MS

Tot Ion: 94 Resp: 15928

Ion Ratio Lower Upper

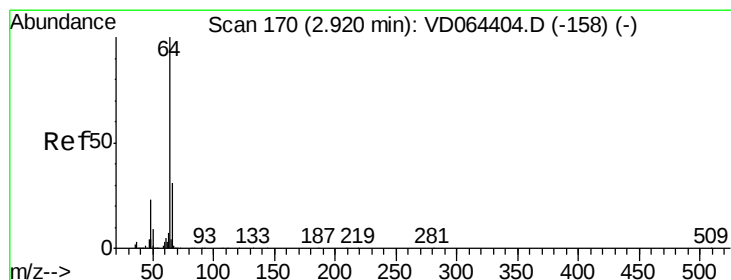
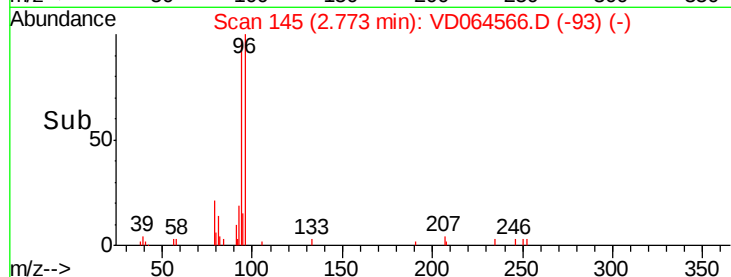
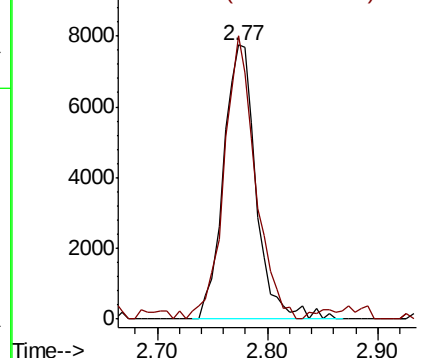
94 100

96 100.5 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.623 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064566.D

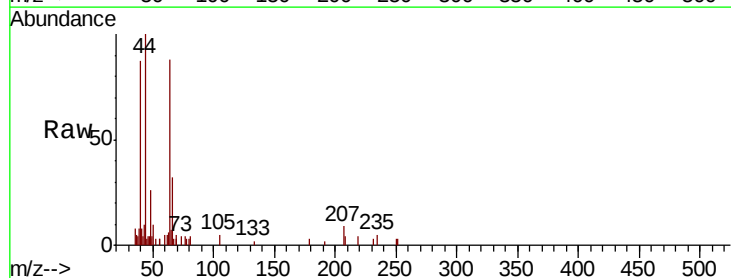
Acq: 23 Dec 2019 14:09

Tgt Ion: 64 Resp: 11589

Ion Ratio Lower Upper

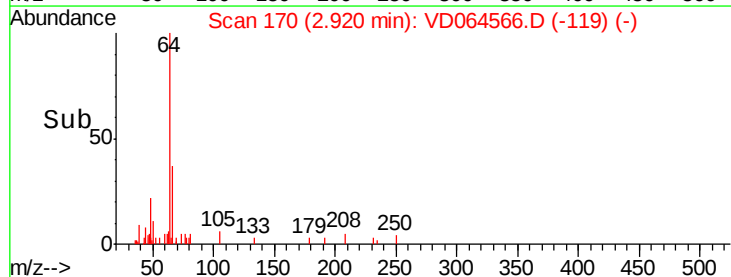
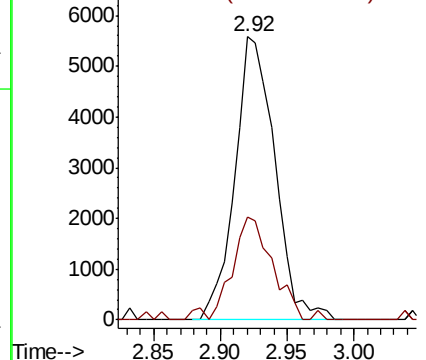
64 100

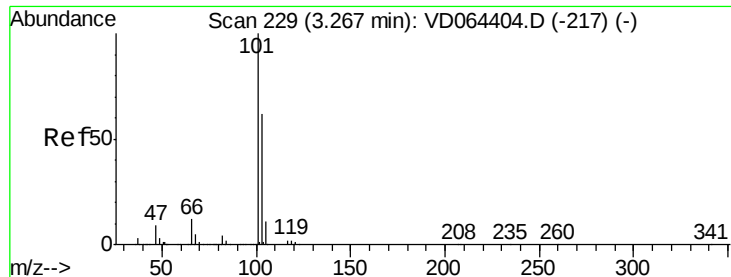
66 36.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



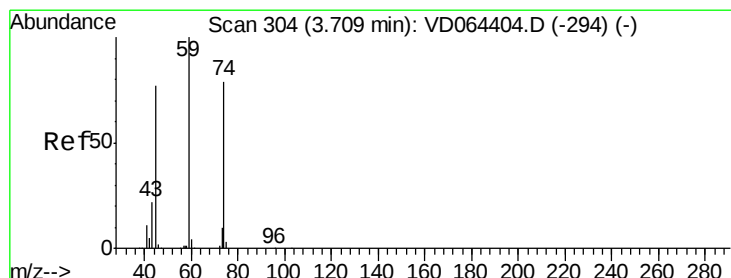
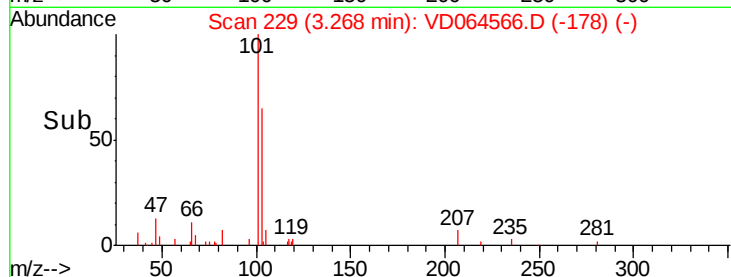
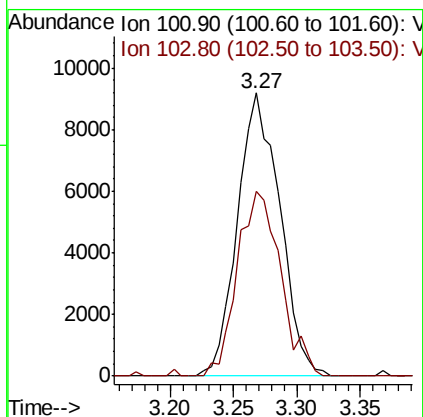
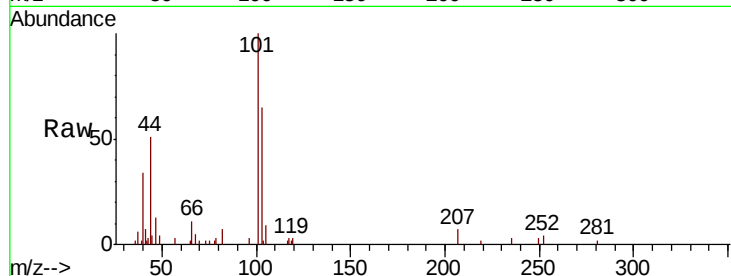


#7

Trichlorofluoromethane
 Concen: 39.595 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
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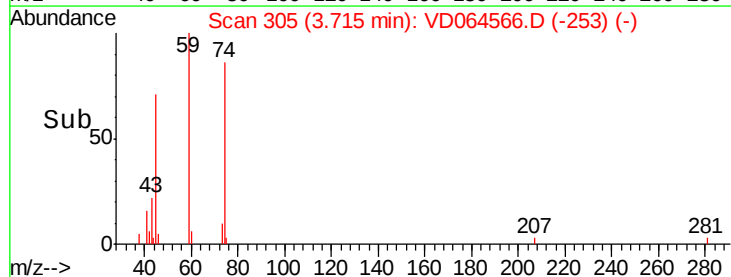
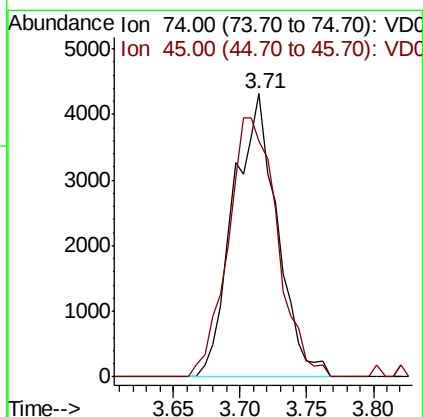
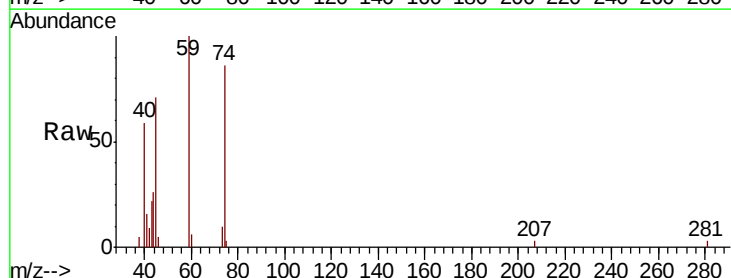
Tot Ion:101 Resp: 21283
 Ion Ratio Lower Upper
 101 100
 103 65.5 49.8 74.6

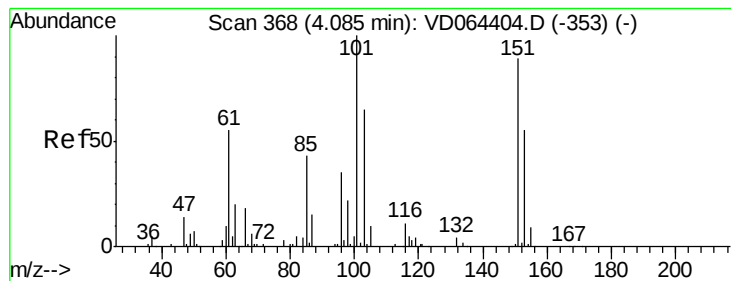


#8

Diethyl Ether
 Concen: 88.265 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 74 Resp: 9859
 Ion Ratio Lower Upper
 74 100
 45 102.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.099 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

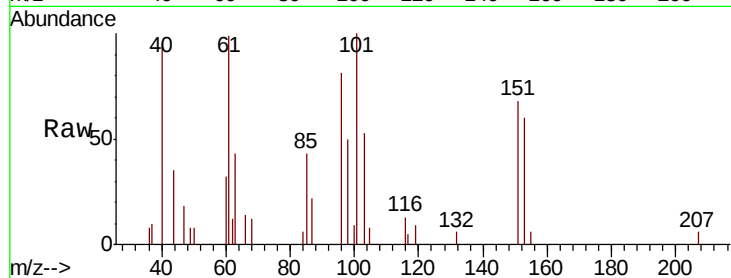
Tot Ion:101 Resp: 11316

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

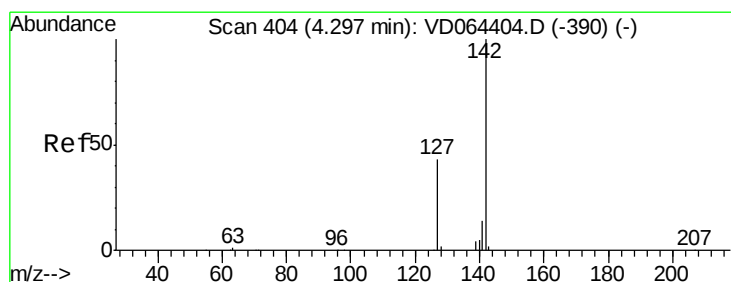
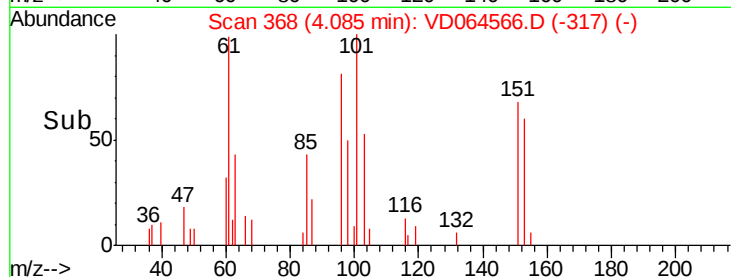
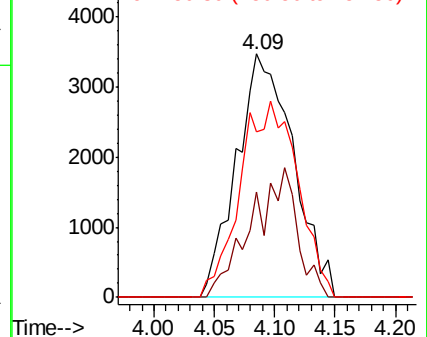
151 0.0 68.8 103.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.515 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

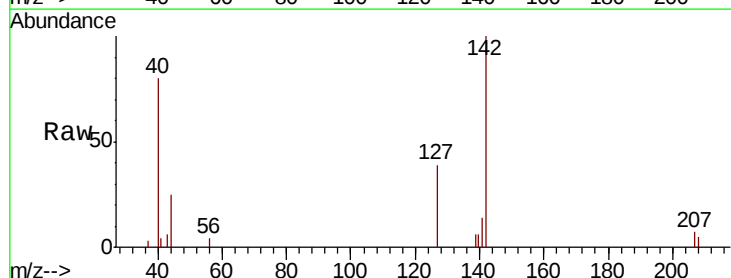
Tgt Ion:142 Resp: 12538

Ion Ratio Lower Upper

142 100

127 43.2 35.3 52.9

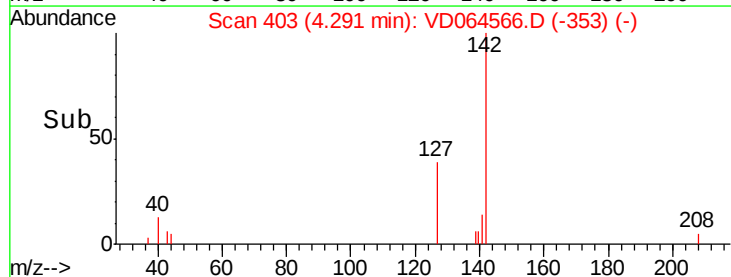
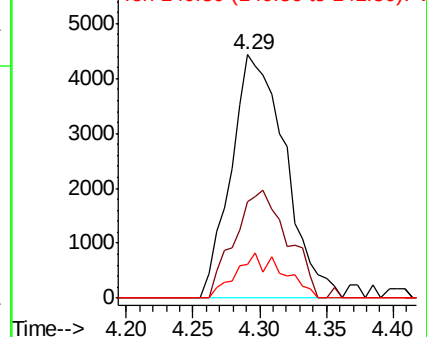
141 16.1 11.6 17.4

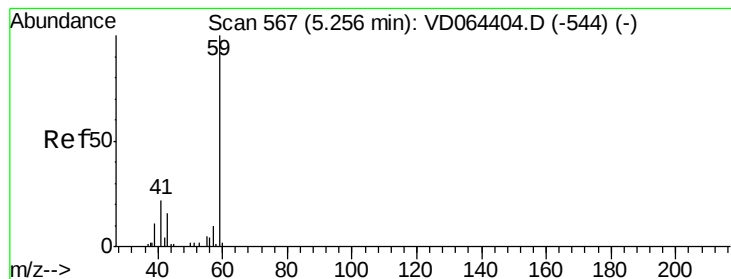


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1086.729 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

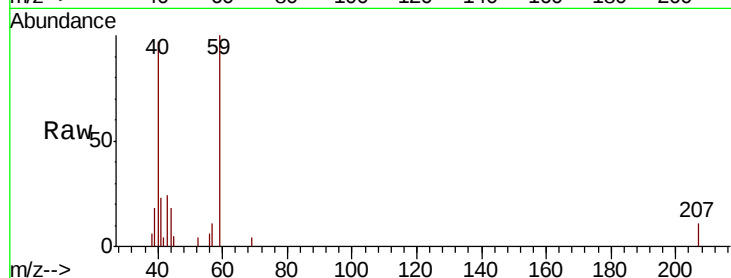
SB-2-(4-5)MS

Tot Ion: 59 Resp: 15343

Ion Ratio Lower Upper

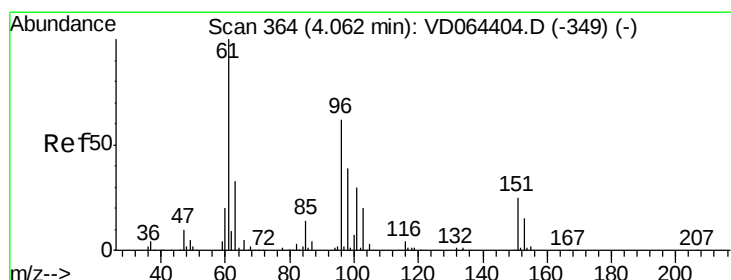
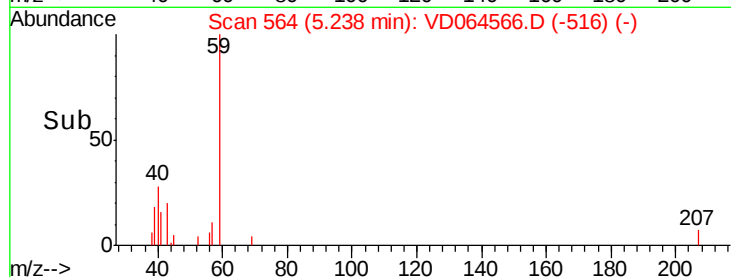
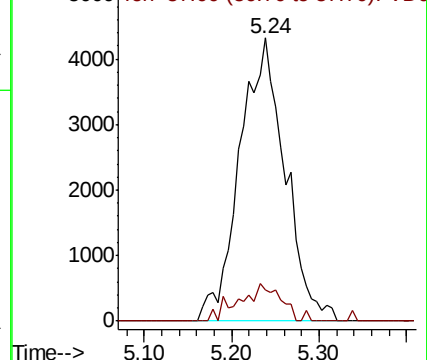
59 100

57 11.8 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 46.870 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

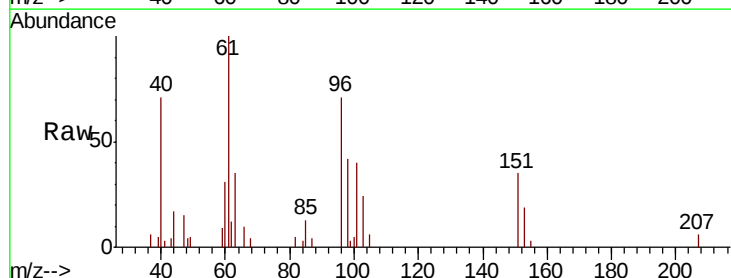
Tgt Ion: 96 Resp: 10352

Ion Ratio Lower Upper

96 100

61 140.9 128.2 192.4

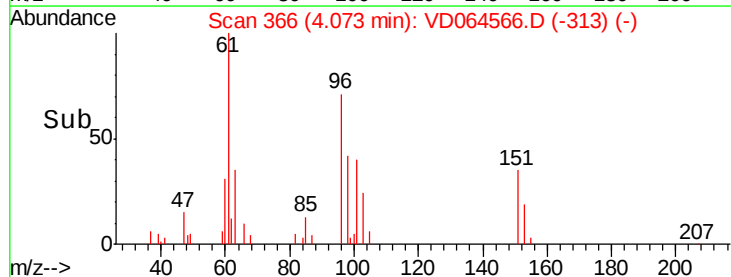
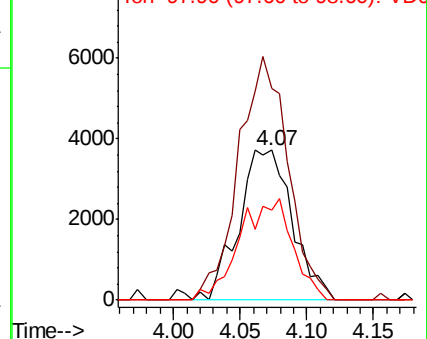
98 59.7 50.4 75.6

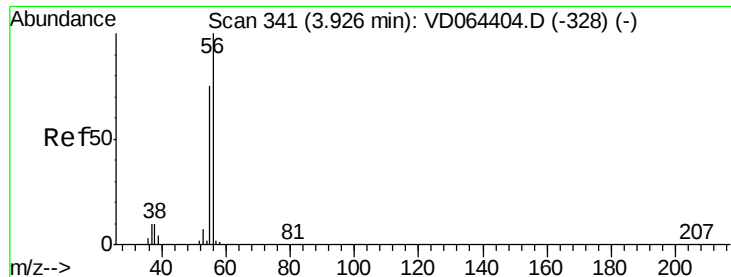


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 645.103 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

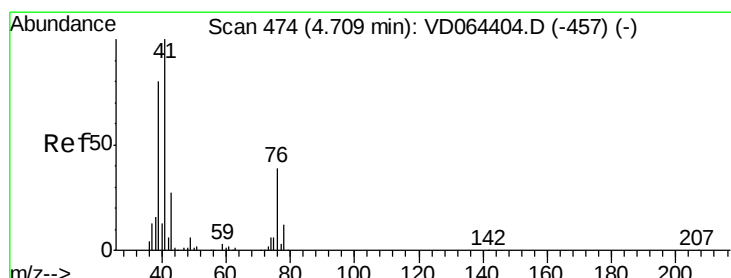
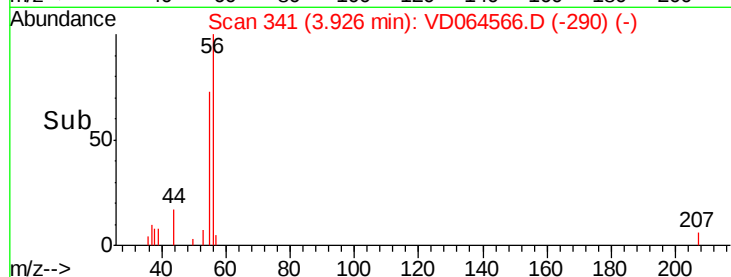
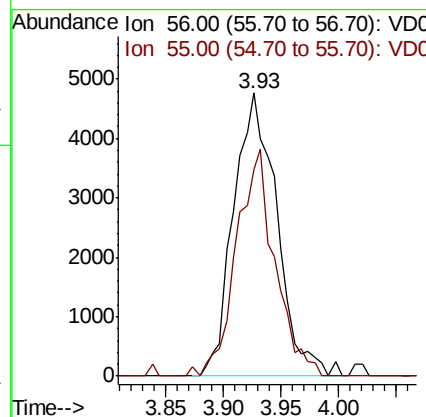
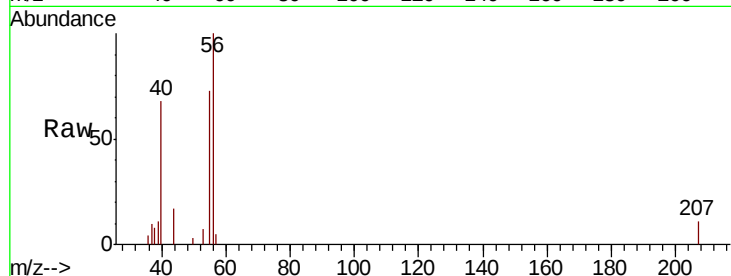
SB-2-(4-5)MS

Tot Ion: 56 Resp: 12423

Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3



#14

Allyl chloride

Concen: 64.672 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

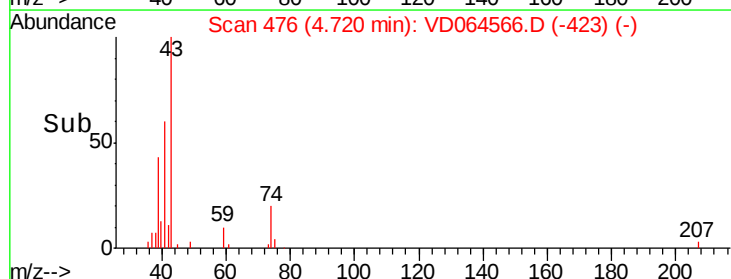
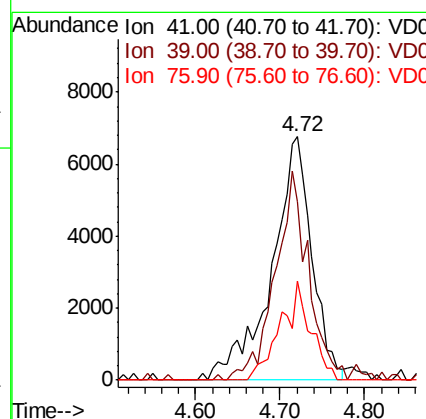
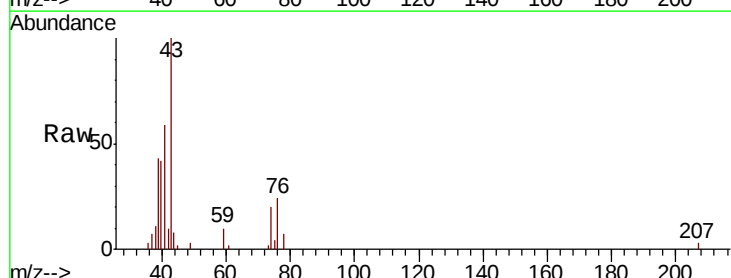
Tgt Ion: 41 Resp: 22292

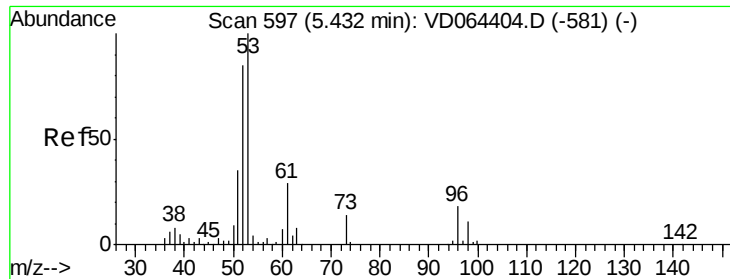
Ion Ratio Lower Upper

41 100

39 71.0 62.1 93.1

76 30.4 29.8 44.8





#15

Acrylonitrile

Concen: 941.502 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

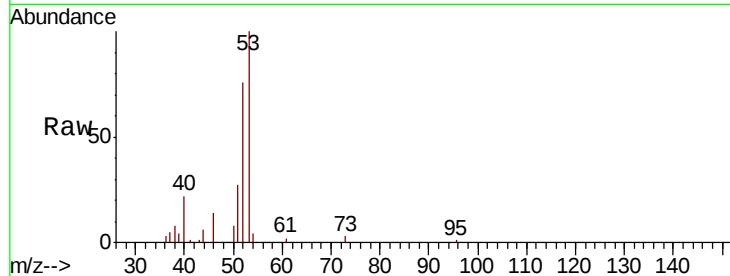
Tot Ion: 53 Resp: 45987

Ion Ratio Lower Upper

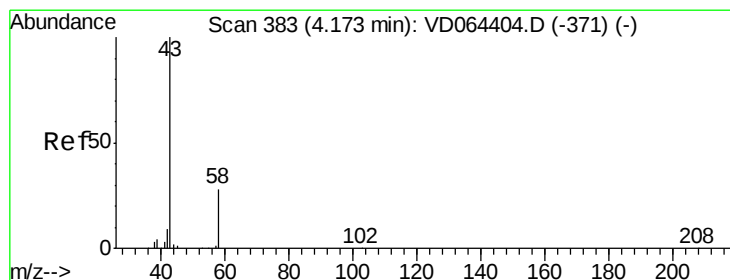
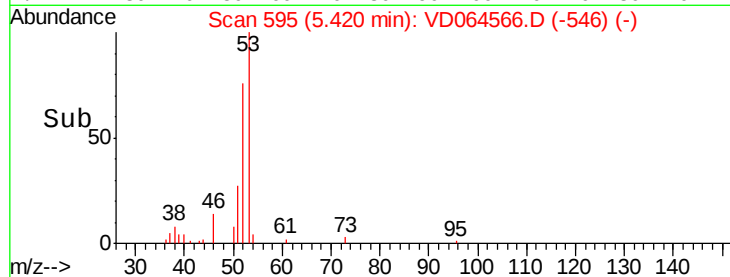
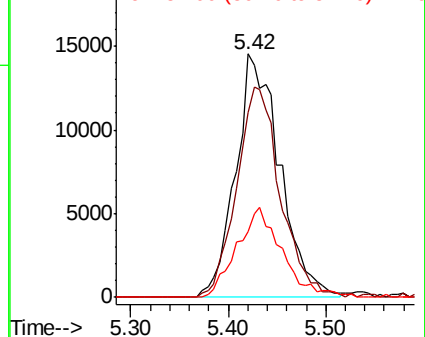
53 100

52 85.3 67.9 101.9

51 37.7 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 1410.976 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064566.D

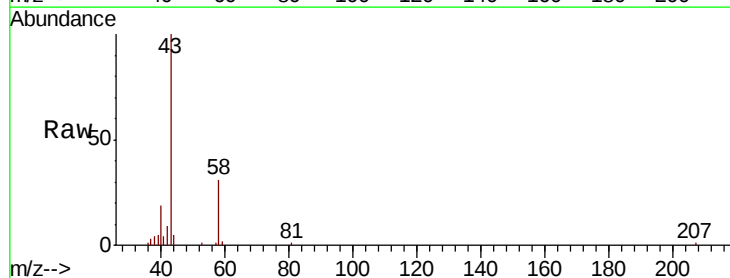
Acq: 23 Dec 2019 14:09

Tgt Ion: 43 Resp: 63241

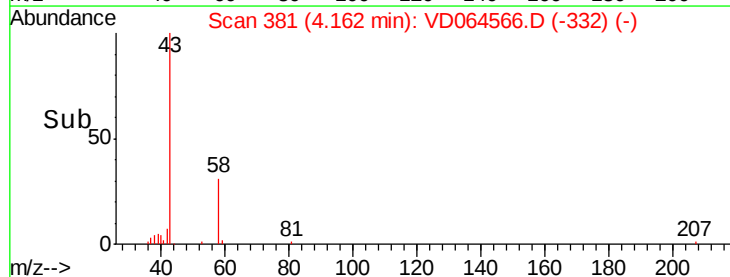
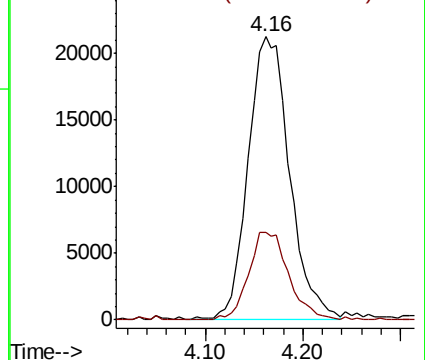
Ion Ratio Lower Upper

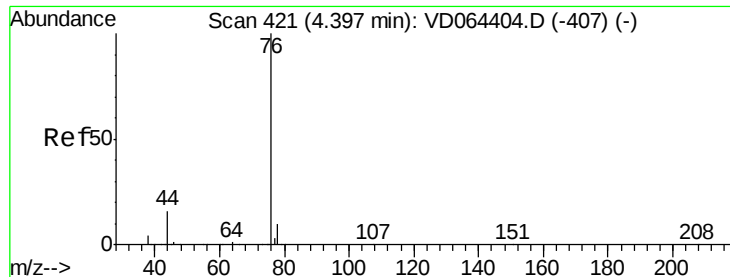
43 100

58 31.1 22.6 33.8



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

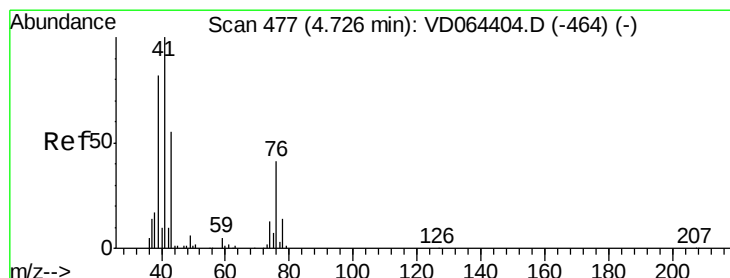
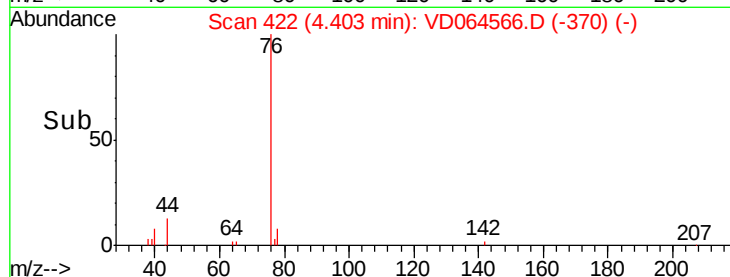
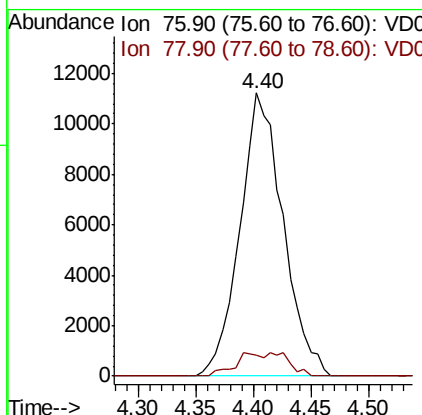
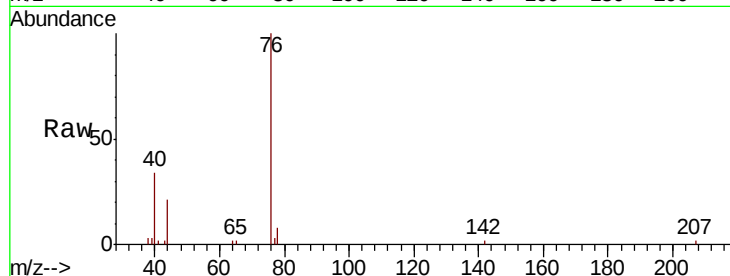




#17
Carbon Disulfide
Concen: 41.746 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

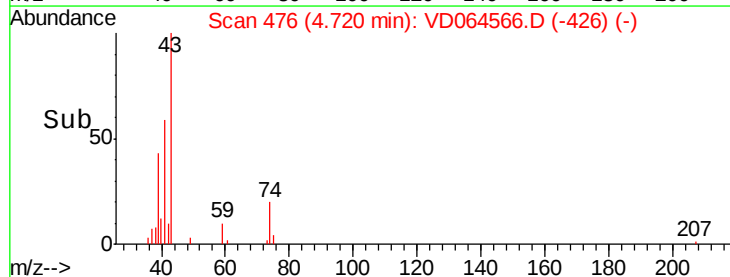
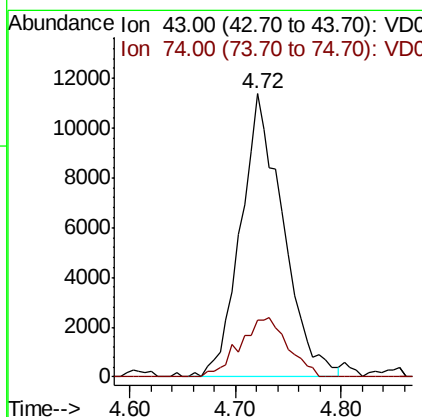
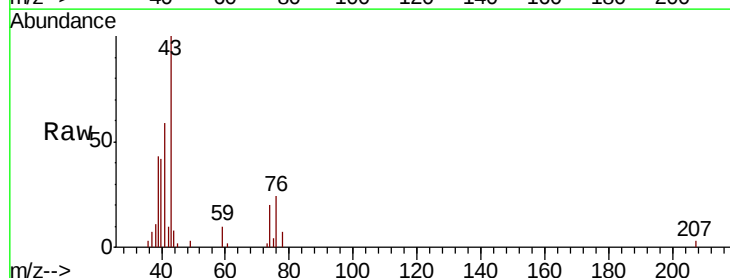
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

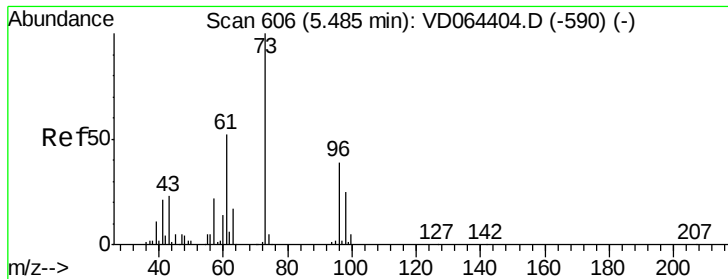
Tot Ion: 76 Resp: 29202
Ion Ratio Lower Upper
76 100
78 7.6 7.8 11.8#



#18
Methyl Acetate
Concen: 241.390 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 43 Resp: 31559
Ion Ratio Lower Upper
43 100
74 23.6 19.7 29.5



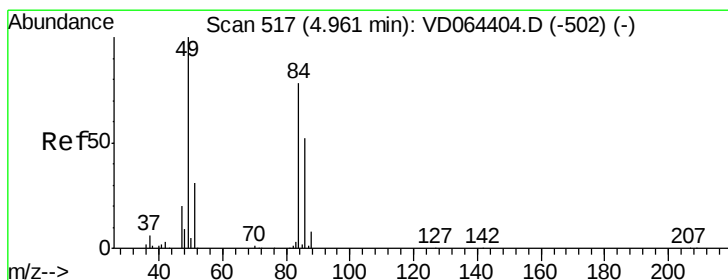
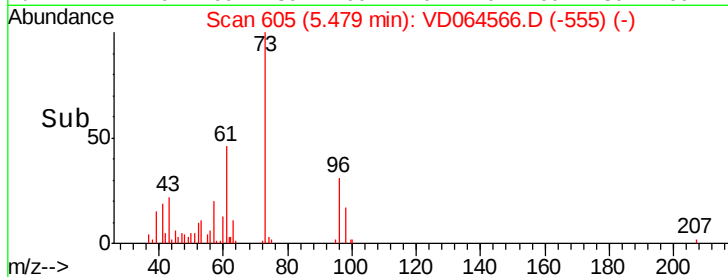
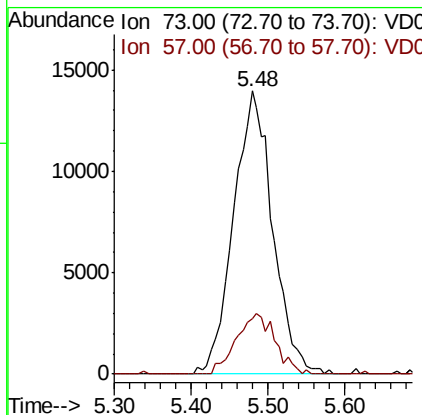
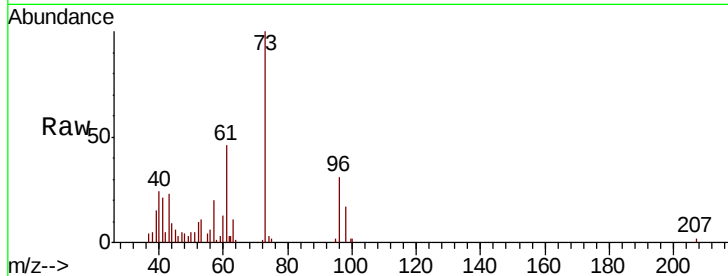


#19

Methyl tert-butyl Ether
 Concen: 97.664 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

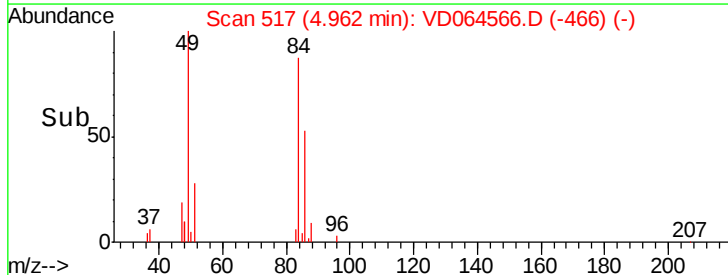
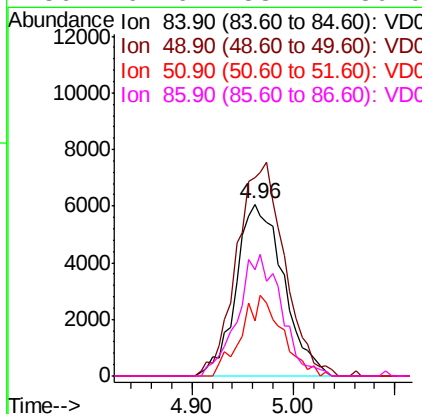
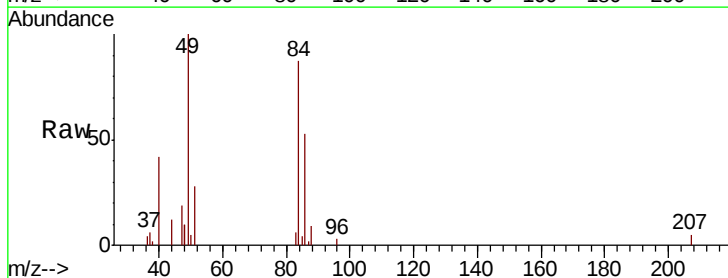
Tot Ion: 73 Resp: 49480
 Ion Ratio Lower Upper
 73 100
 57 19.6 17.6 26.4

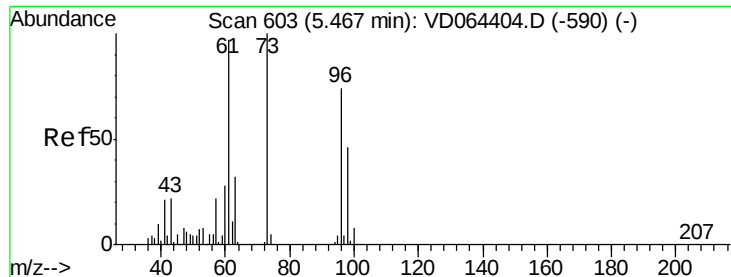


#20

Methylene Chloride
 Concen: 90.154 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 84 Resp: 19718
 Ion Ratio Lower Upper
 84 100
 49 115.2 102.6 153.8
 51 32.1 32.0 48.0
 86 61.6 53.4 80.0

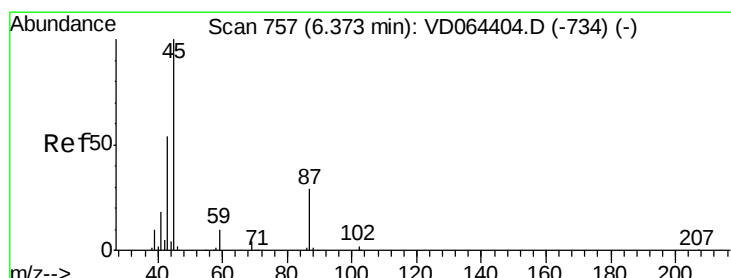
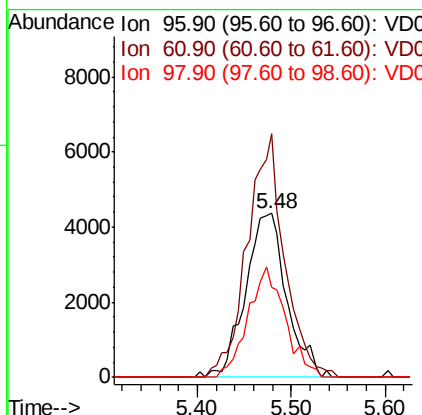
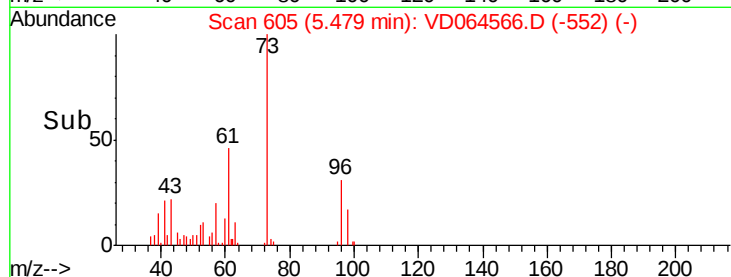
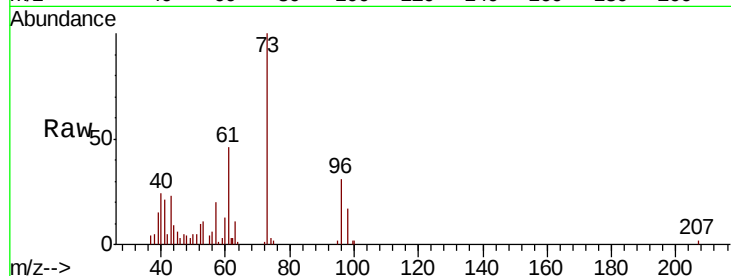




#21
trans-1,2-Dichloroethene
Concen: 53.115 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

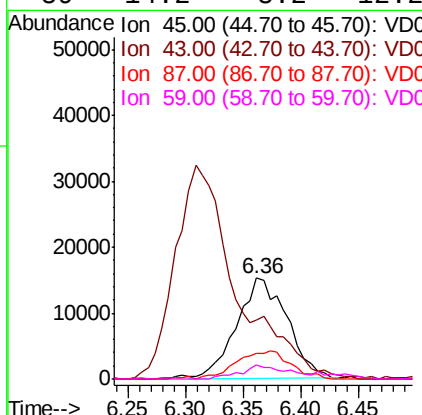
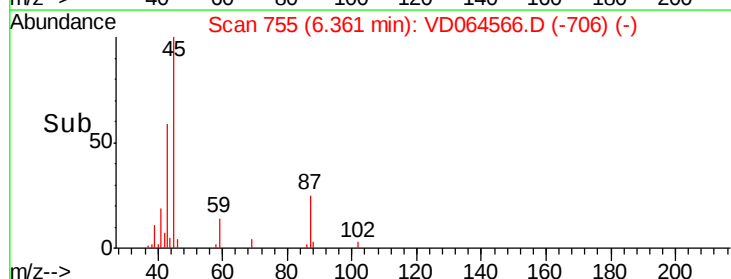
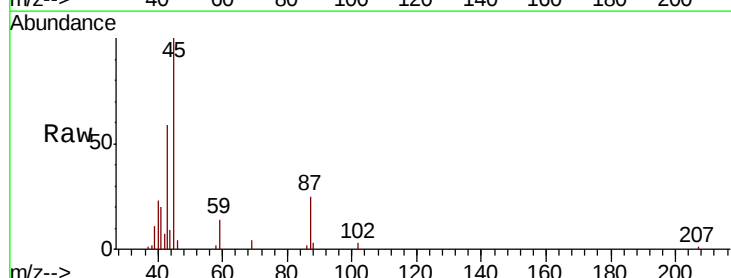
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

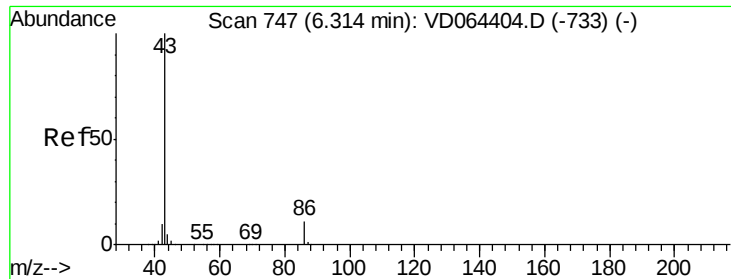
Tot Ion: 96 Resp: 13270
Ion Ratio Lower Upper
96 100
61 148.3 105.8 158.6
98 54.8 50.1 75.1



#22
Diisopropyl ether
Concen: 67.182 ug/l
RT: 6.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 45 Resp: 45715
Ion Ratio Lower Upper
45 100
43 56.4 43.1 64.7
87 25.6 23.5 35.3
59 14.2 8.2 12.2#





#23

Vinyl Acetate

Concen: 300.977 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

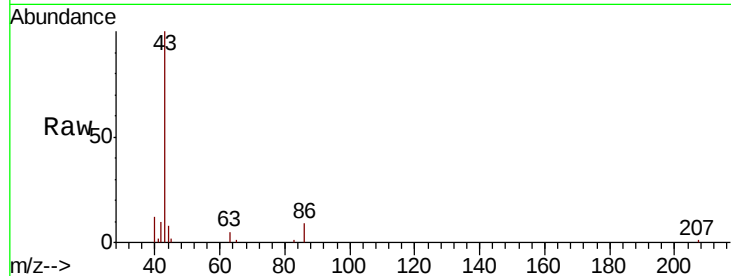
SB-2-(4-5)MS

Tot Ion: 43 Resp: 120739

Ion Ratio Lower Upper

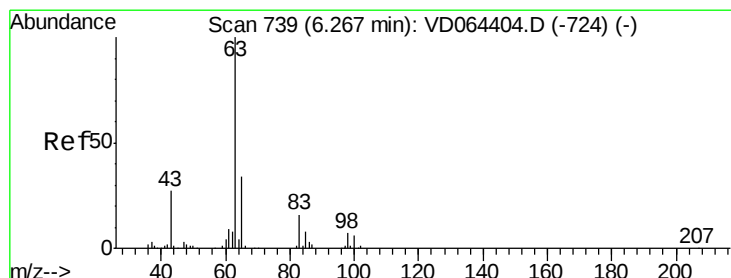
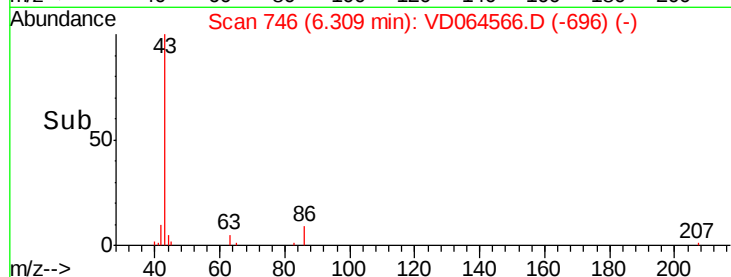
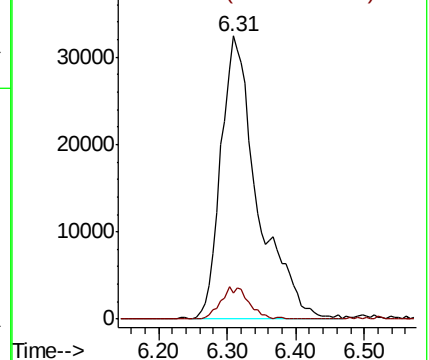
43 100

86 9.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 60.889 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

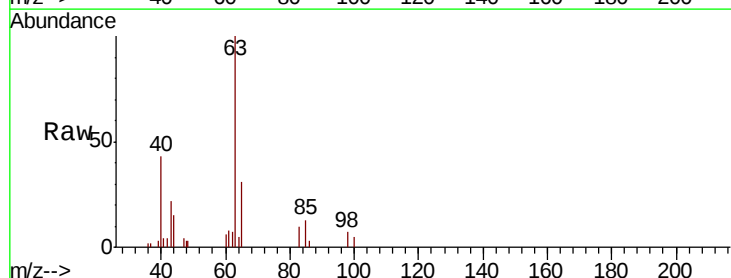
Tgt Ion: 63 Resp: 24917

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

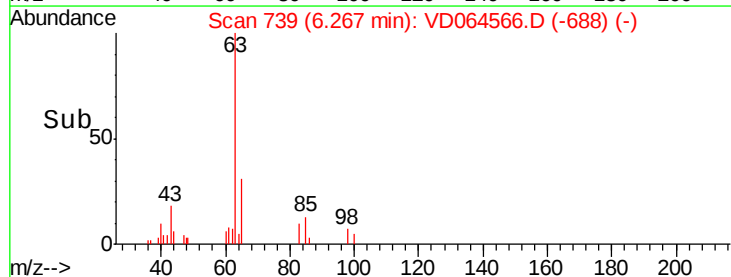
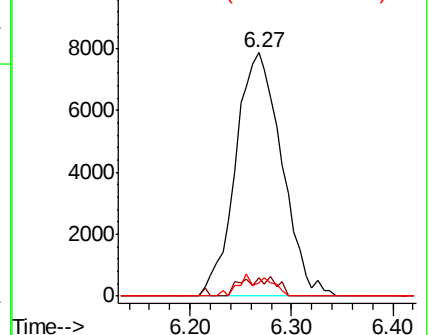
100 5.4 2.9 8.6

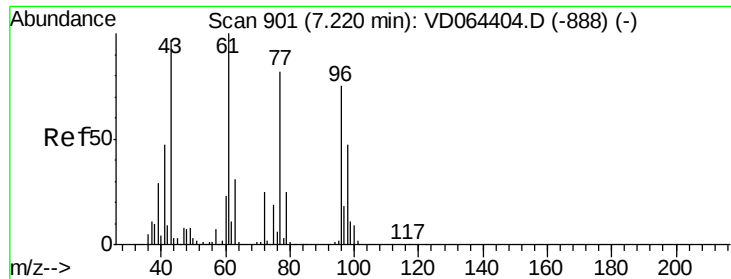


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 1075.272 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

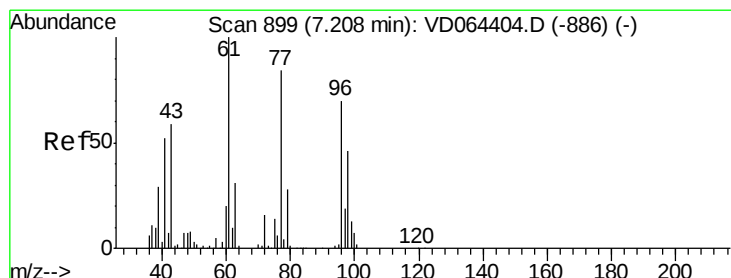
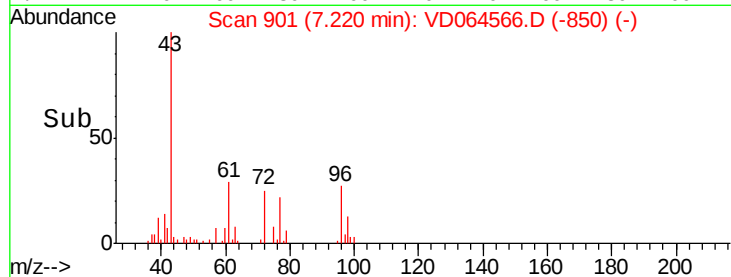
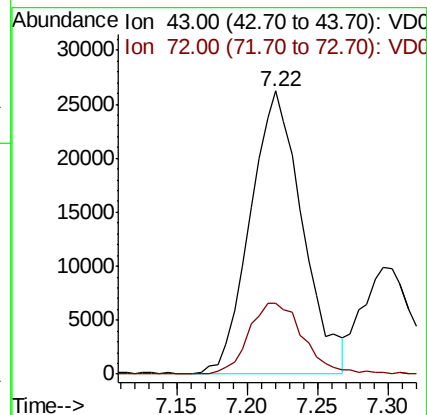
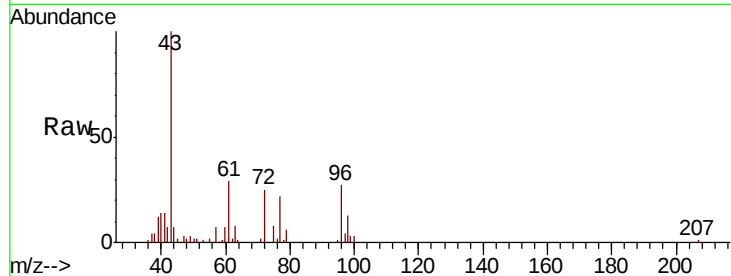
SB-2-(4-5)MS

Tot Ion: 43 Resp: 68157

Ion Ratio Lower Upper

43 100

72 24.9 21.0 31.4



#26

2,2-Dichloropropane

Concen: 56.845 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064566.D

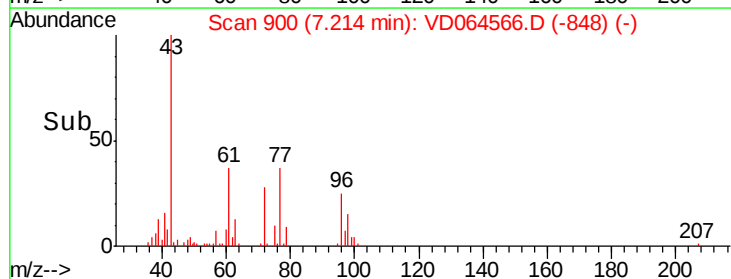
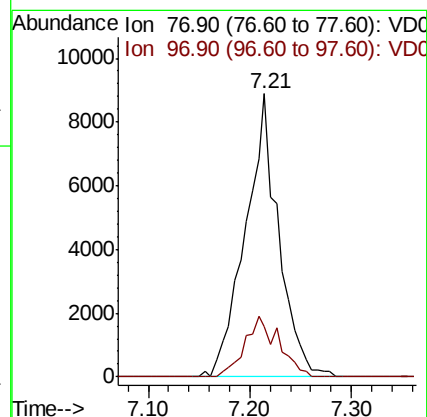
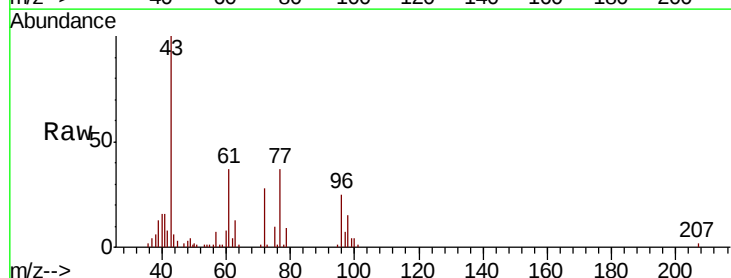
Acq: 23 Dec 2019 14:09

Tgt Ion: 77 Resp: 20230

Ion Ratio Lower Upper

77 100

97 21.8 11.6 34.7



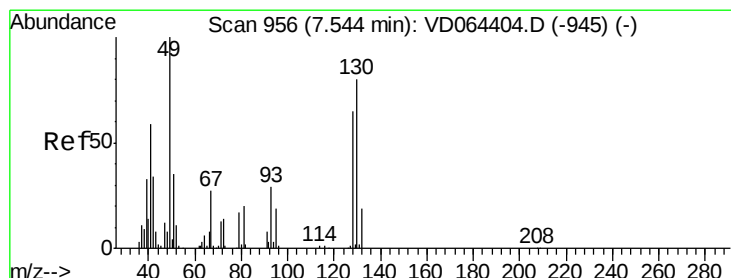
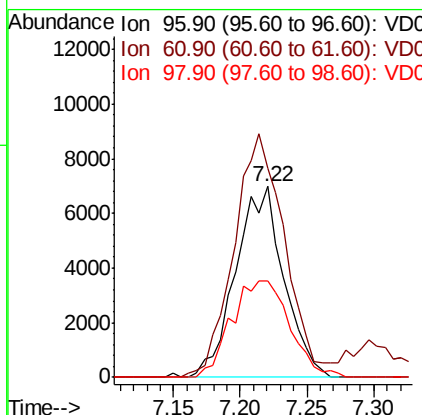
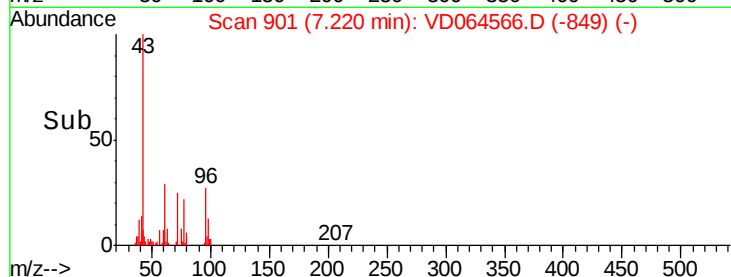
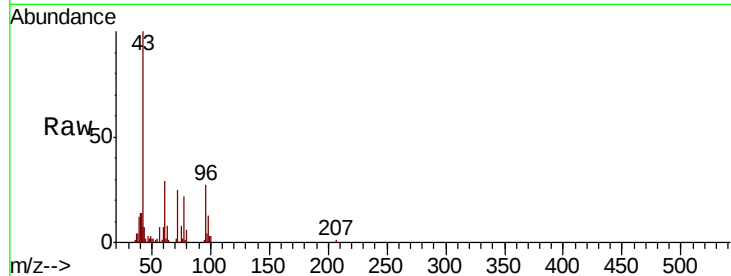


#27

cis-1,2-Dichloroethene
 Concen: 64.095 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

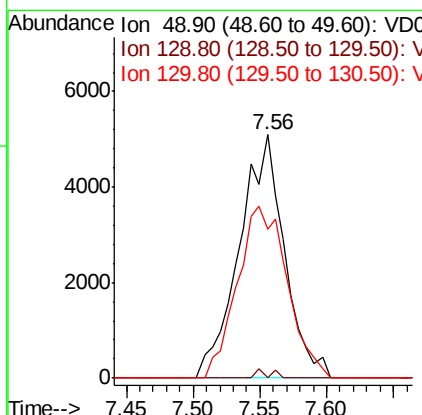
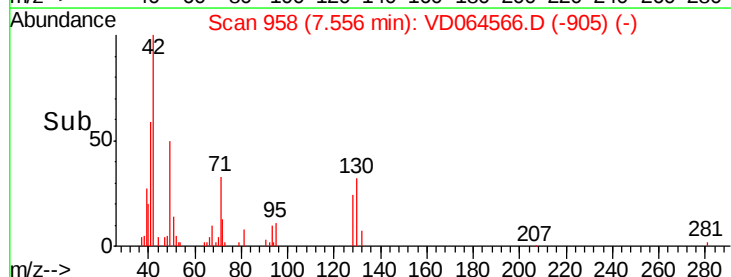
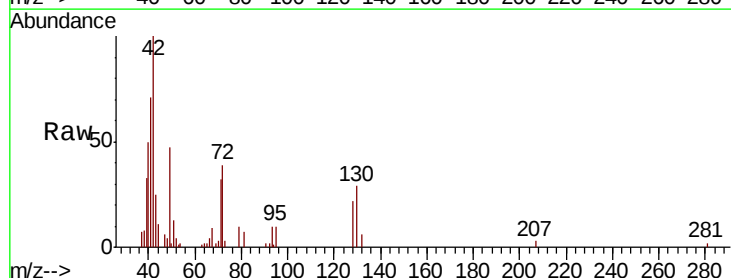
Tot Ion: 96 Resp: 17458
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 279.6
 98 61.1 0.0 129.2

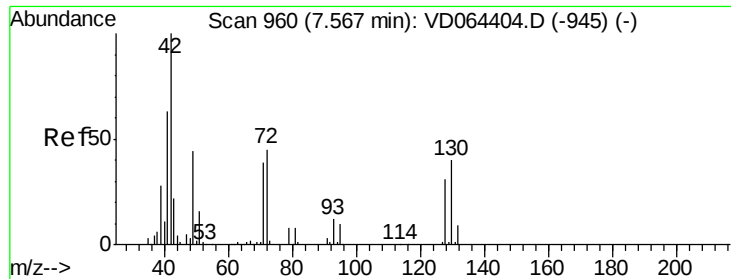


#28

Bromochloromethane
 Concen: 85.112 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 49 Resp: 11903
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 4.4
 130 78.3 67.4 101.0

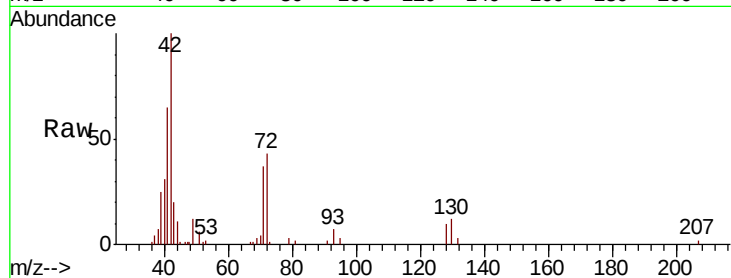




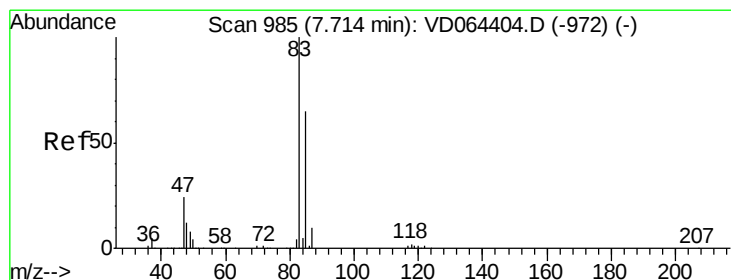
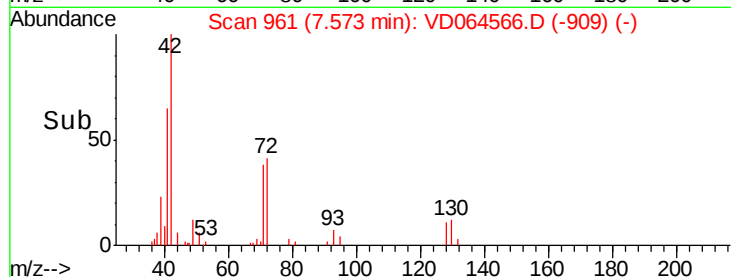
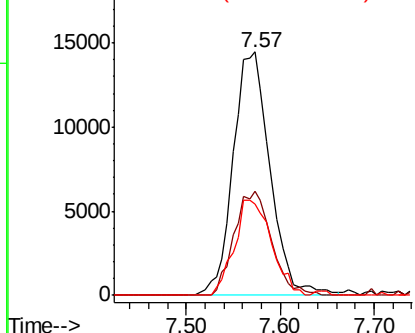
#29
Tetrahydrofuran
Concen: 975.288 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 42 Resp: 39331
Ion Ratio Lower Upper
42 100
72 43.1 35.8 53.8
71 39.3 32.7 49.1

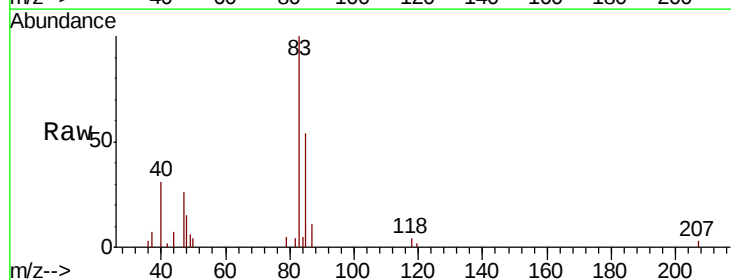


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

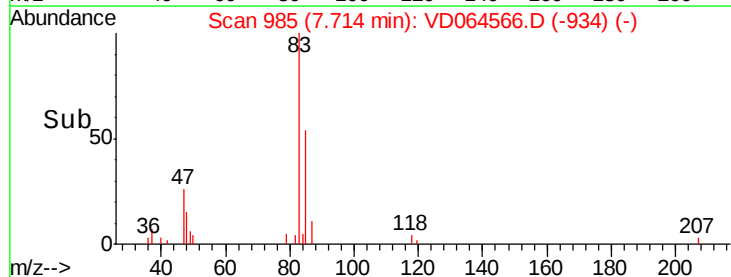
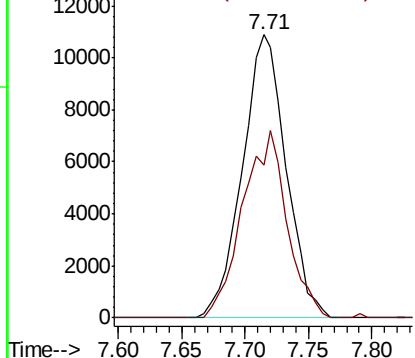


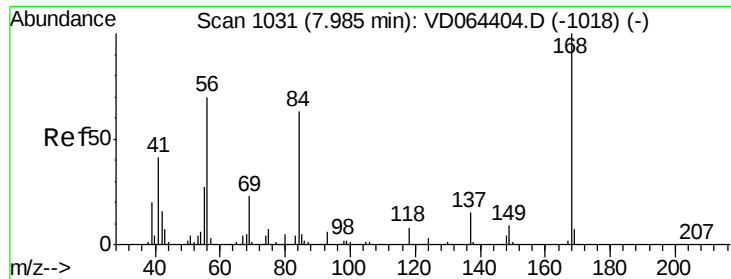
#30
Chloroform
Concen: 61.730 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 83 Resp: 26162
Ion Ratio Lower Upper
83 100
85 54.1 51.8 77.6



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





#31

Cyclohexane

Concen: 45.021 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

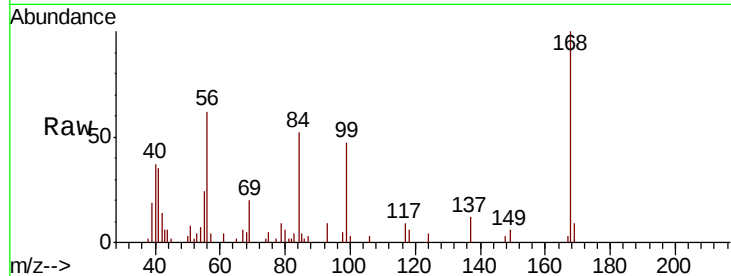
Tot Ion: 56 Resp: 16248

Ion Ratio Lower Upper

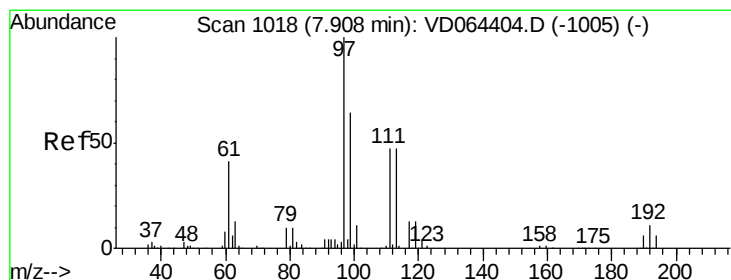
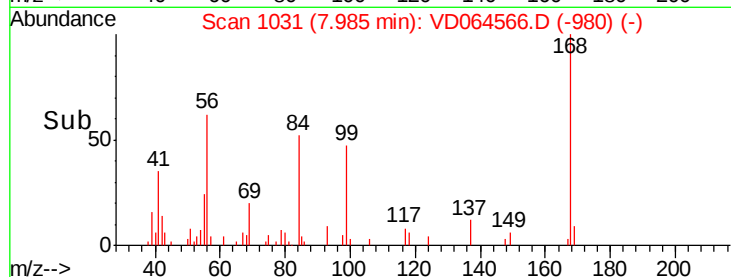
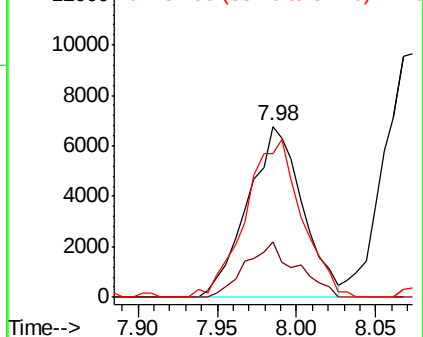
56 100

69 32.5 26.2 39.4

84 83.7 70.3 105.5



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: 51.110 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

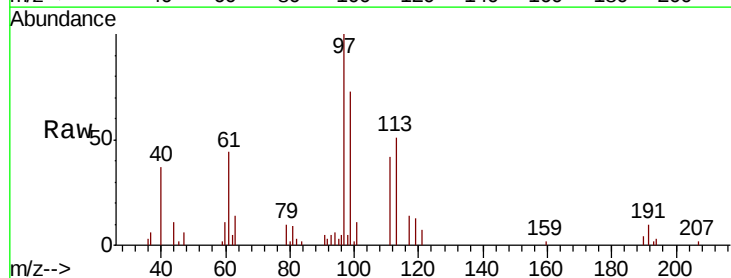
Tgt Ion: 97 Resp: 20082

Ion Ratio Lower Upper

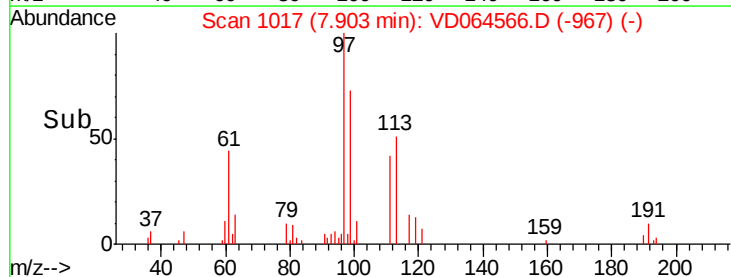
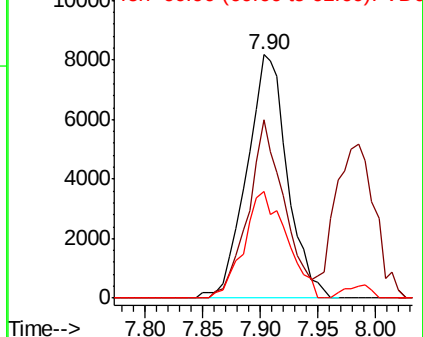
97 100

99 64.3 51.4 77.2

61 45.9 35.0 52.4



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: 80.429 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

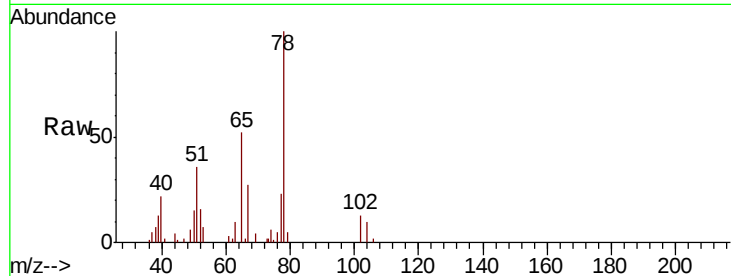
SB-2-(4-5)MS

Tot Ion: 65 Resp: 17839

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34

8000

6000

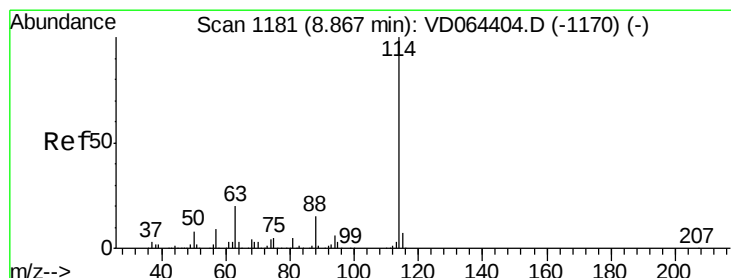
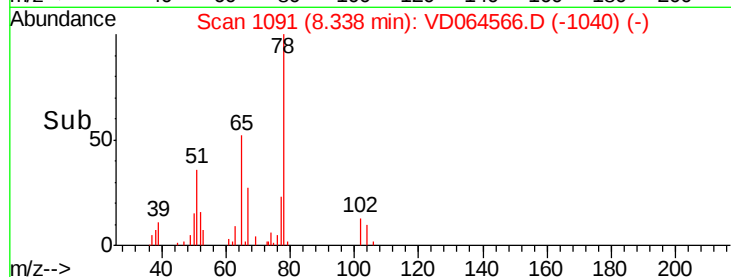
4000

2000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

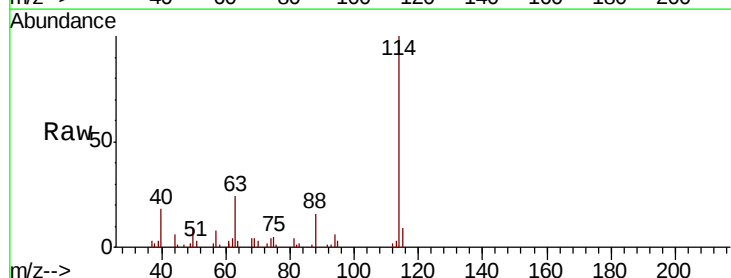
Tgt Ion: 114 Resp: 38154

Ion Ratio Lower Upper

114 100

63 23.9 0.0 40.0

88 15.9 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

25000

20000

15000

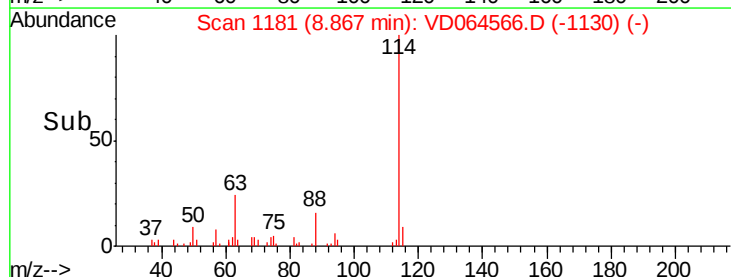
10000

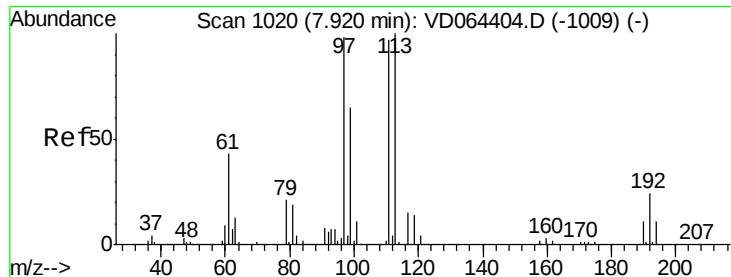
5000

0

8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 66.151 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

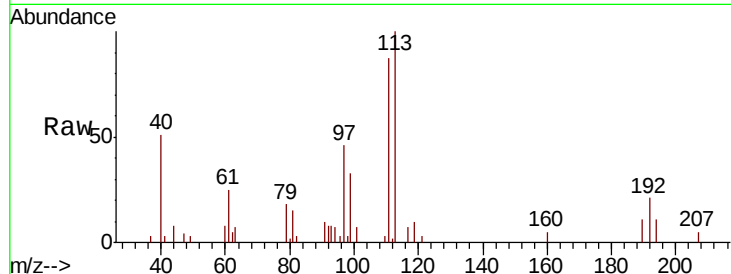
Tot Ion:113 Resp: 15902

Ion Ratio Lower Upper

113 100

111 94.7 79.4 119.2

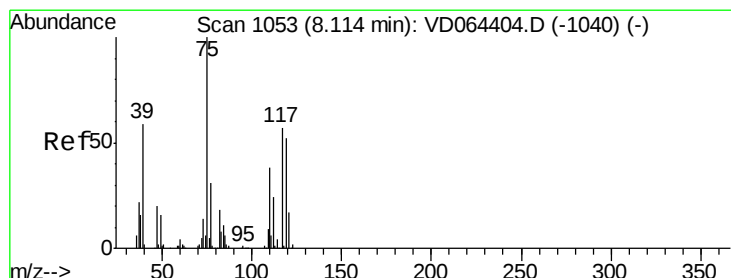
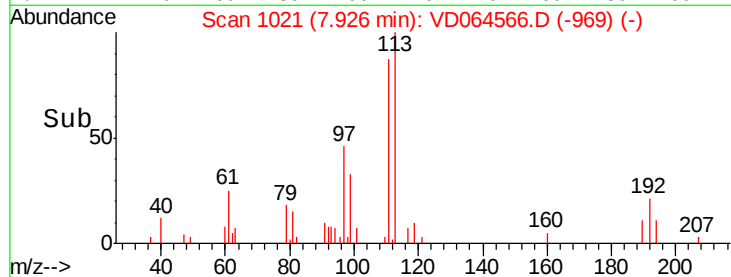
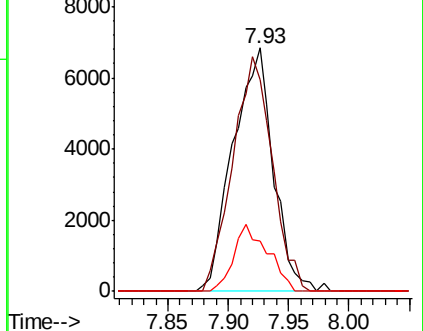
192 23.2 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.831 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

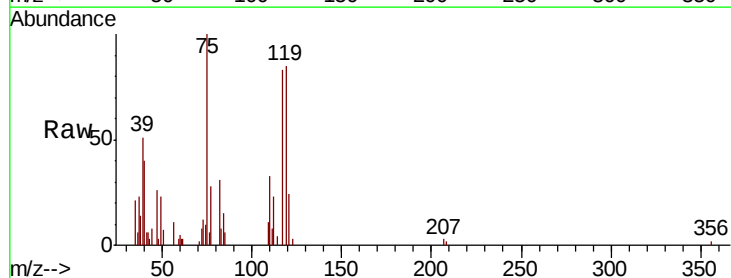
Tgt Ion: 75 Resp: 15818

Ion Ratio Lower Upper

75 100

110 41.8 18.6 55.8

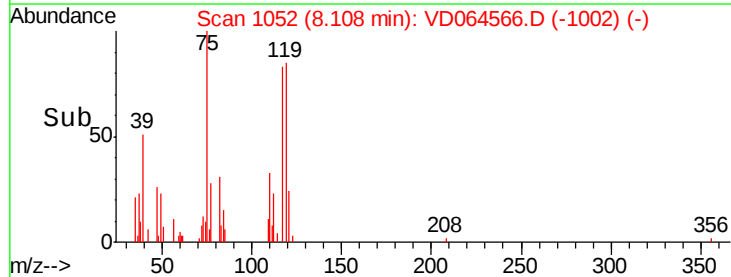
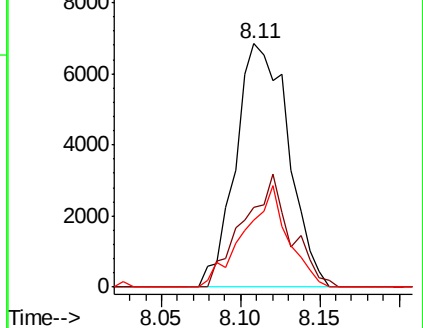
77 34.5 25.0 37.4

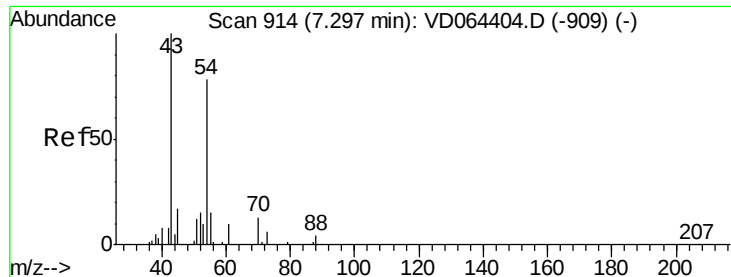


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

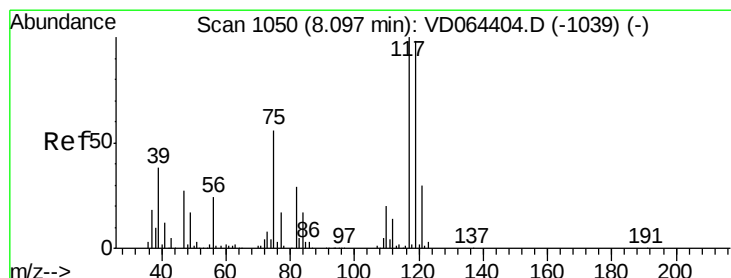
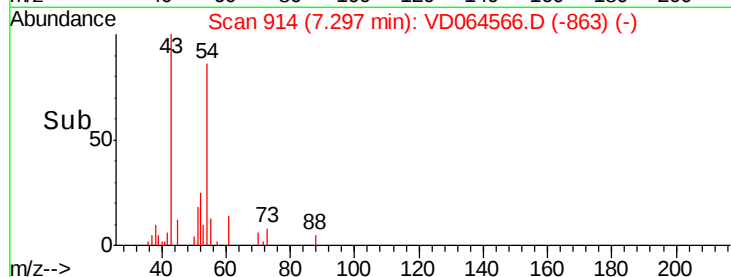
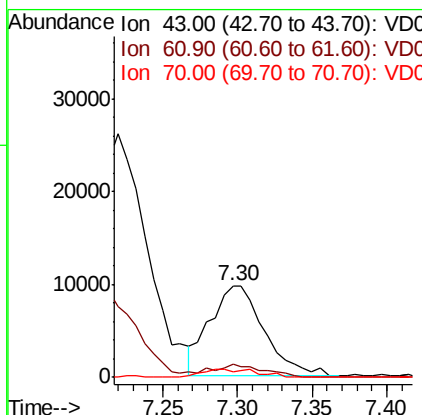
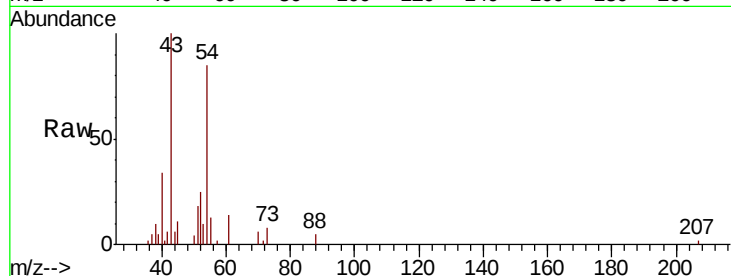




#37
Ethyl Acetate
Concen: 159.629 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

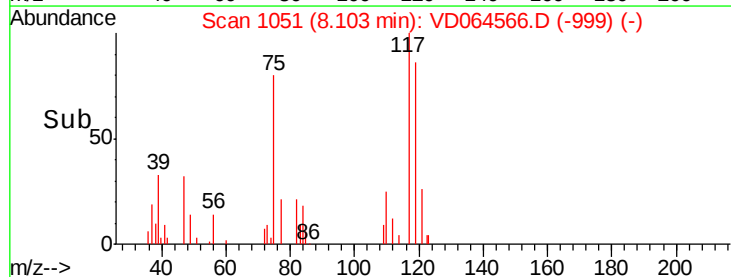
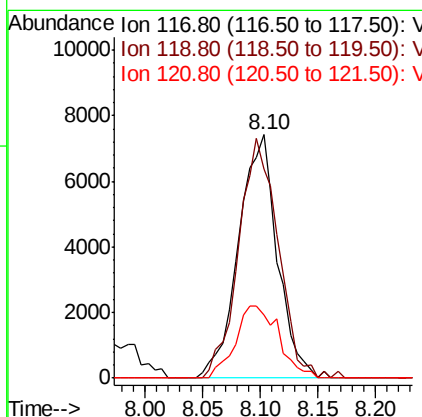
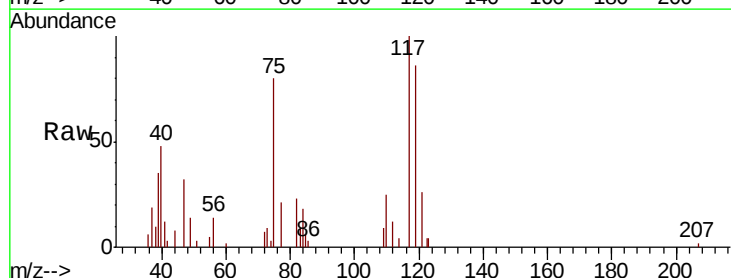
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

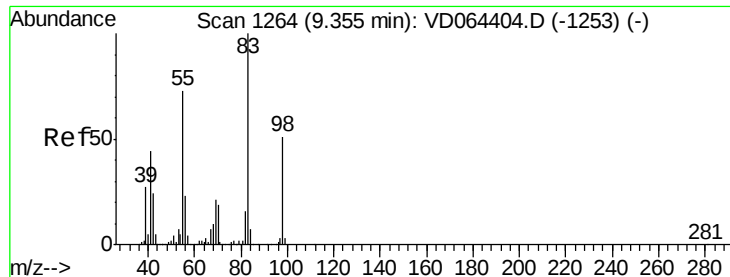
Tot Ion: 43 Resp: 24444
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 5.1 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 45.486 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 117 Resp: 17325
Ion Ratio Lower Upper
117 100
119 85.9 78.8 118.2
121 26.0 24.2 36.2

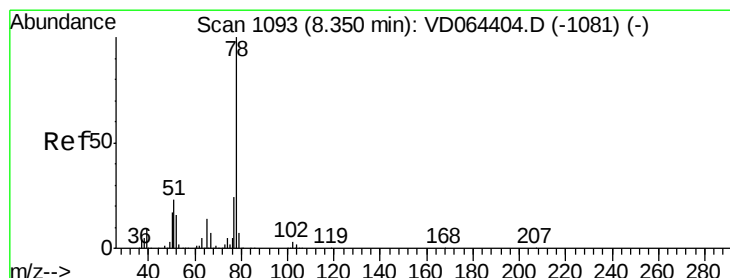
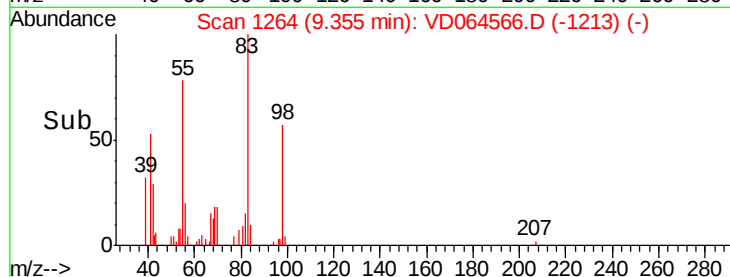
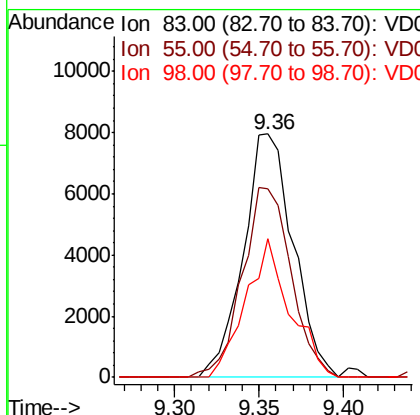
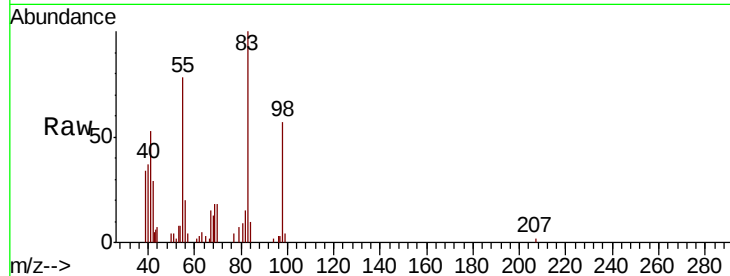




#39
Methvlcvclohexane
Concen: 36.358 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

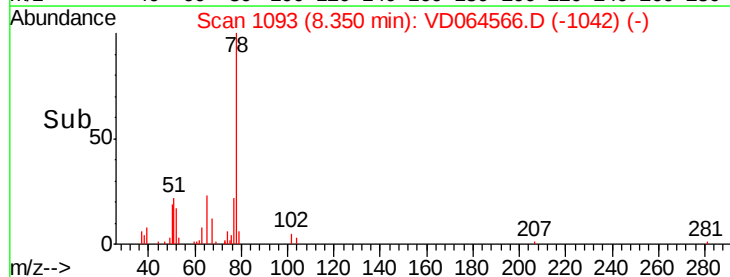
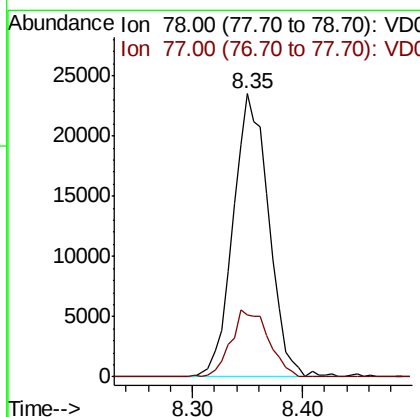
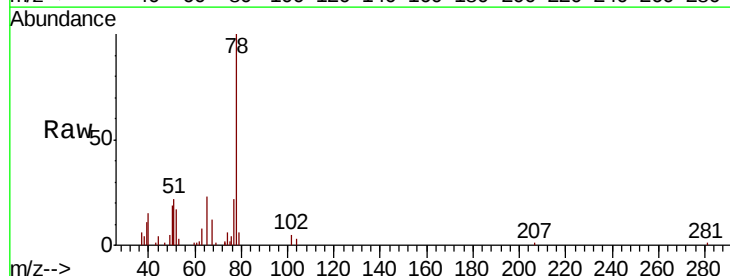
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

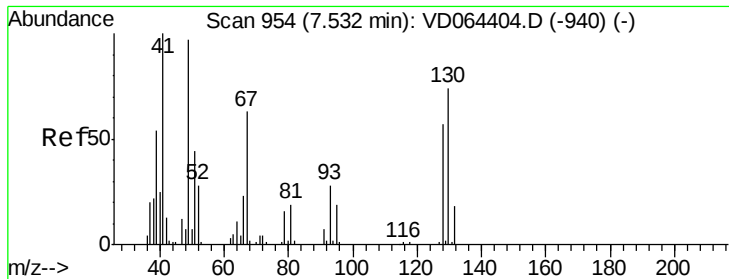
Tot Ion: 83 Resp: 16276
Ion Ratio Lower Upper
83 100
55 77.6 58.6 87.8
98 56.9 40.9 61.3



#40
Benzene
Concen: 53.015 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 78 Resp: 53138
Ion Ratio Lower Upper
78 100
77 22.1 19.6 29.4

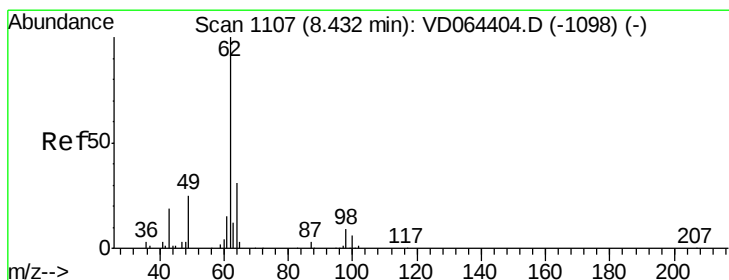
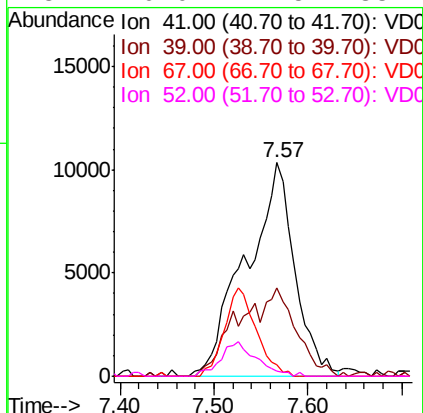
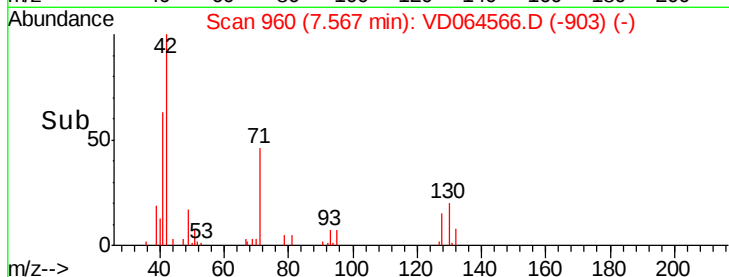
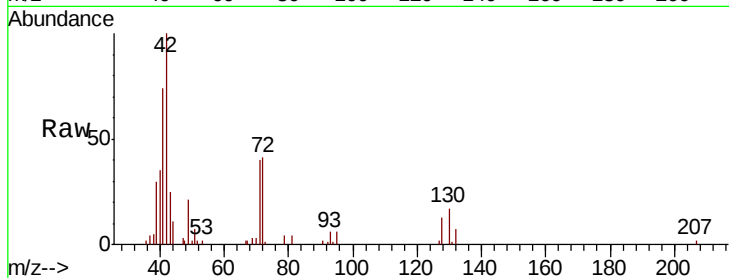




#41
Methacrylonitrile
Concen: 422.944 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

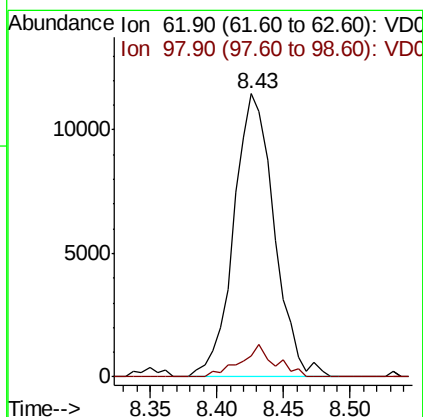
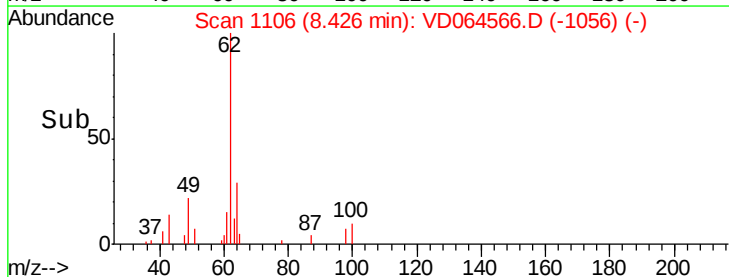
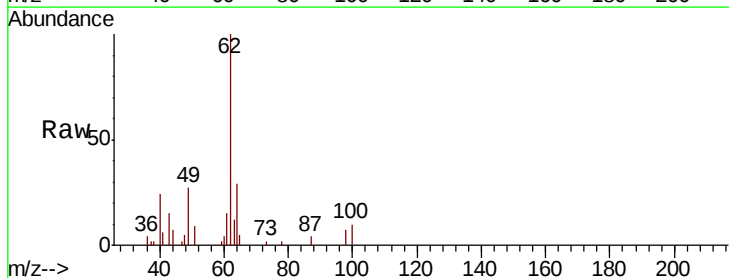
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

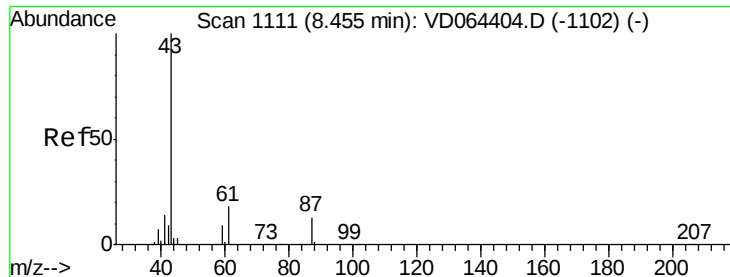
Tot Ion	Ratio	Lower	Upper
41	100		
39	25.7	44.6	67.0#
67	0.0	50.9	76.3#
52	0.0	22.5	33.7#



#42
1,2-Dichloroethane
Concen: 82.476 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 122.019 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

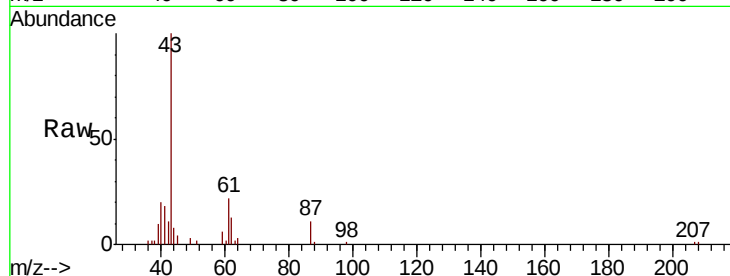
Tot Ion: 43 Resp: 36738

Ion Ratio Lower Upper

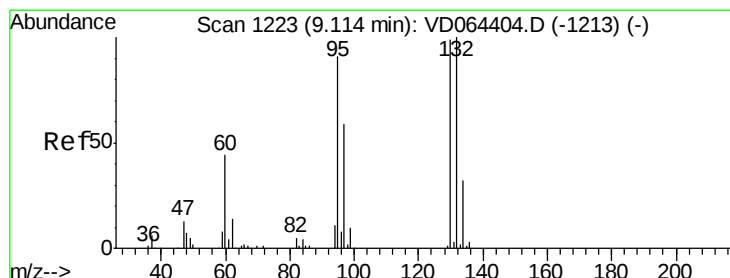
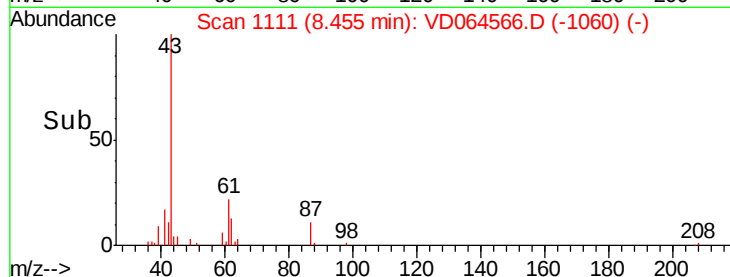
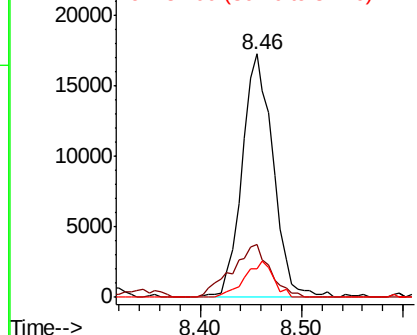
43 100

61 26.6 24.0 36.0

87 13.7 10.6 15.8



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



#44

Trichloroethene

Concen: 51.065 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064566.D

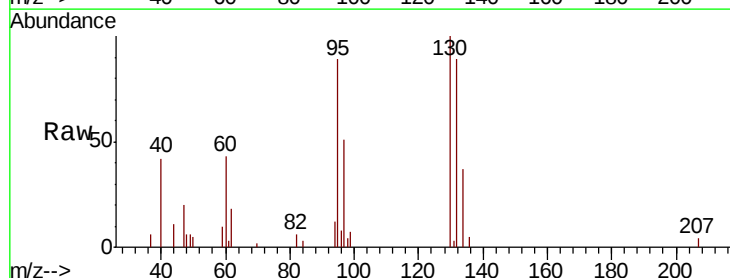
Acq: 23 Dec 2019 14:09

Tgt Ion: 130 Resp: 15418

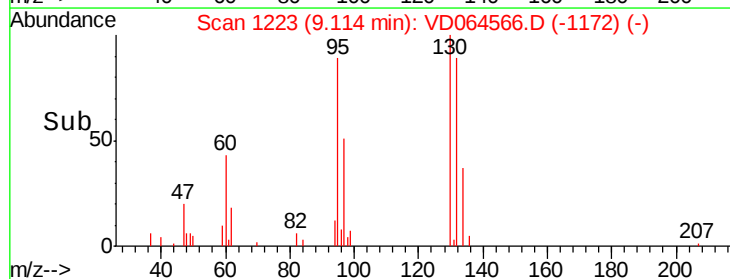
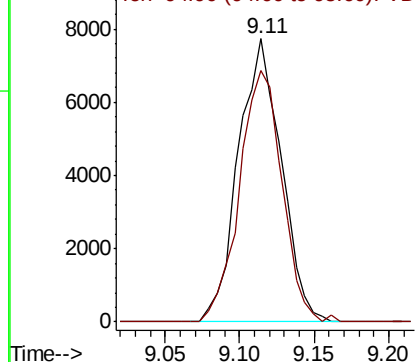
Ion Ratio Lower Upper

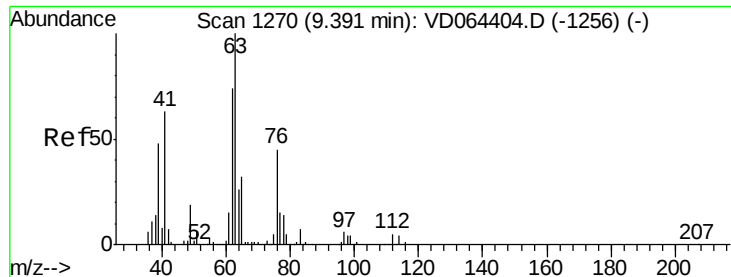
130 100

95 89.0 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 65.032 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

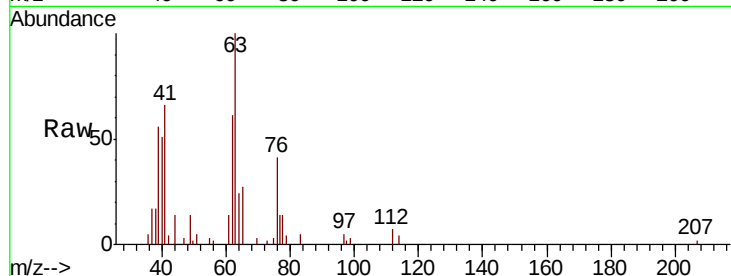
SB-2-(4-5)MS

Tot Ion: 63 Resp: 15589

Ion Ratio Lower Upper

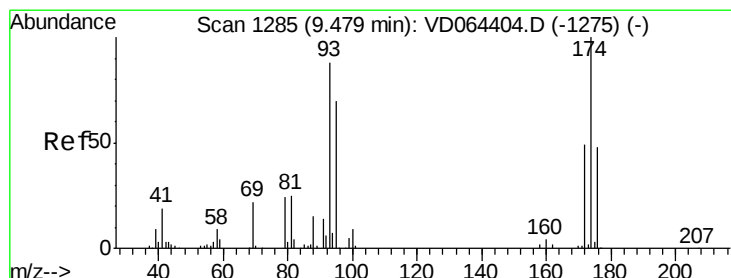
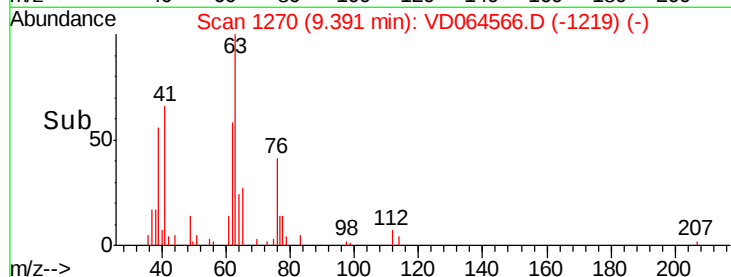
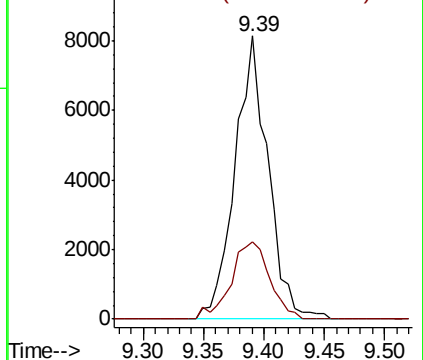
63 100

65 27.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 90.144 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

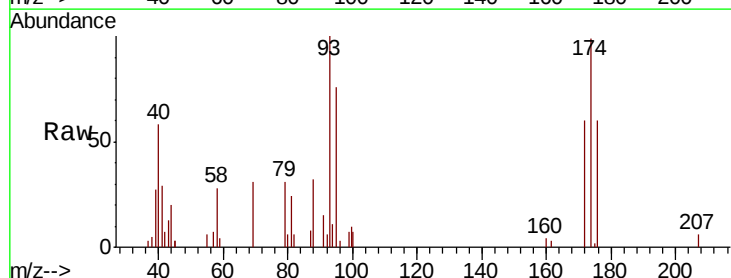
Tgt Ion: 93 Resp: 12196

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

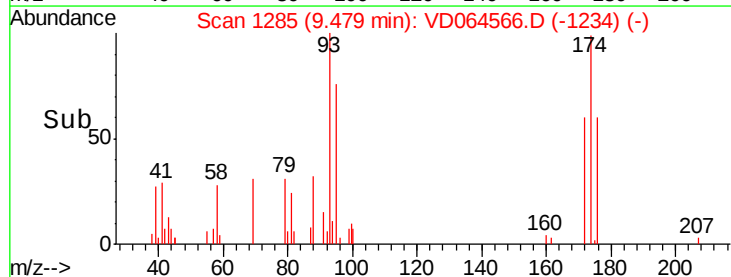
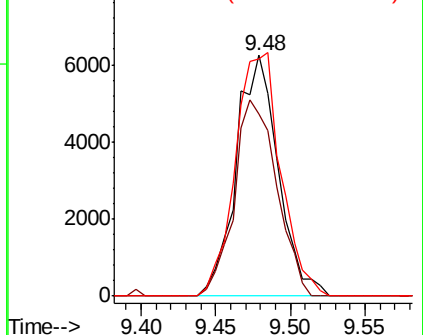
174 109.3 92.3 138.5

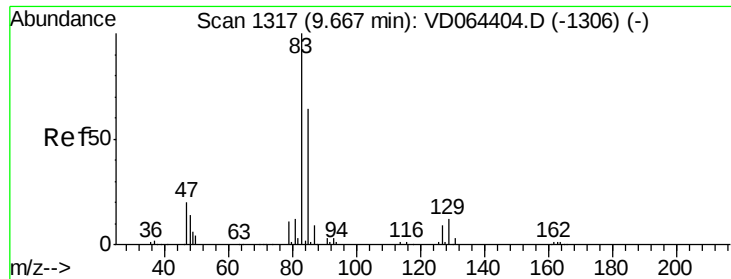


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 68.572 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

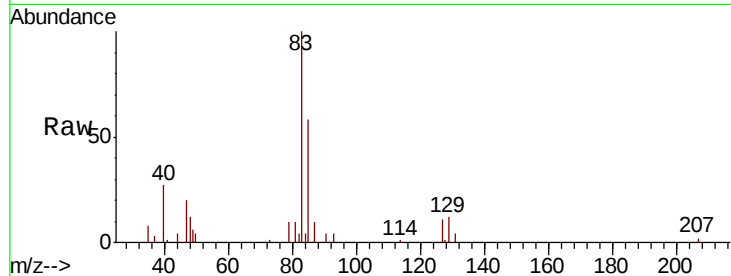
Tot Ion: 83 Resp: 23838

Ion Ratio Lower Upper

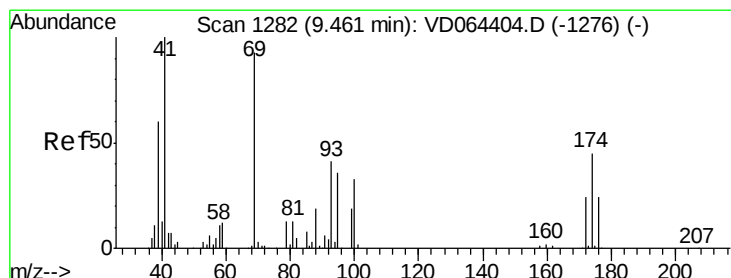
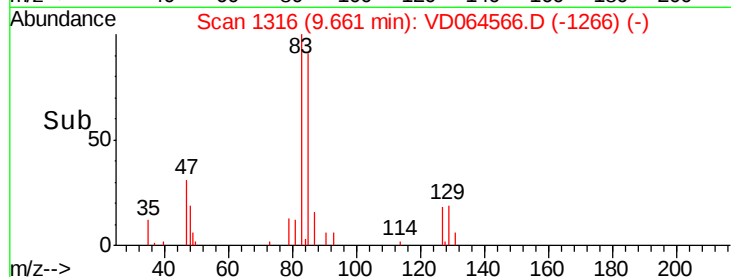
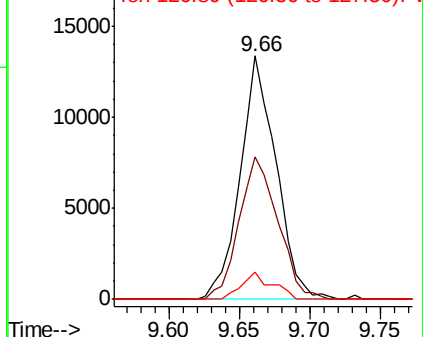
83 100

85 58.3 51.1 76.7

127 11.2 7.4 11.0#



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: 136.012 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

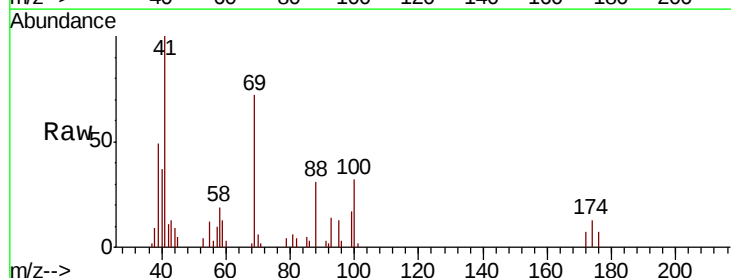
Tgt Ion: 41 Resp: 18739

Ion Ratio Lower Upper

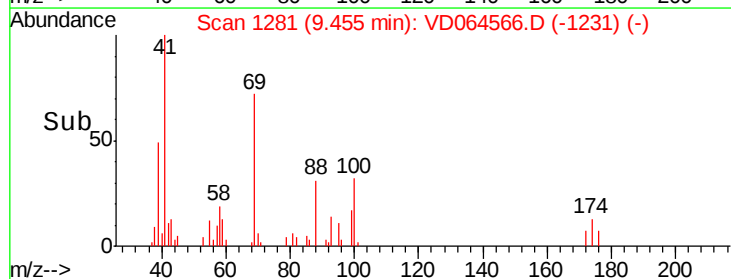
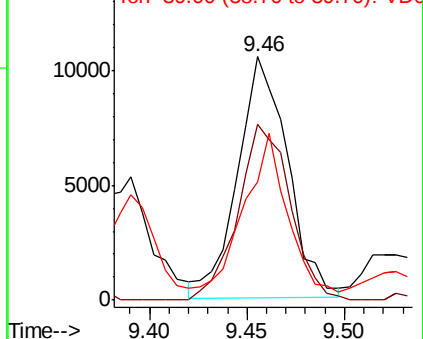
41 100

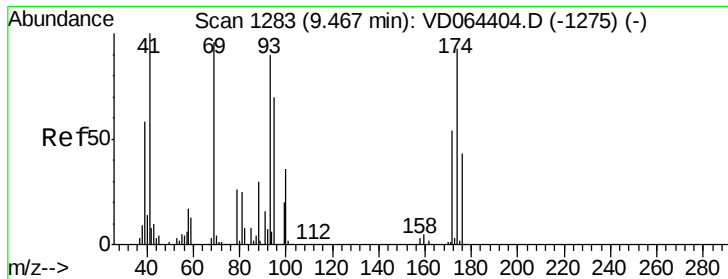
69 75.5 72.0 108.0

39 63.7 55.2 82.8



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

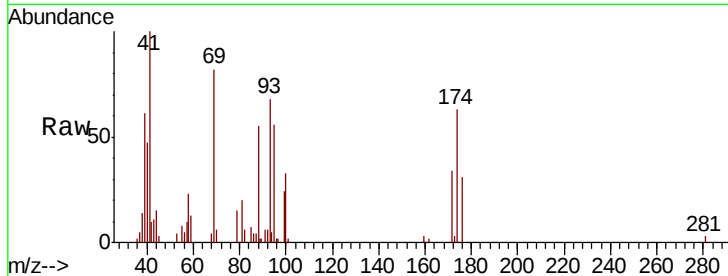




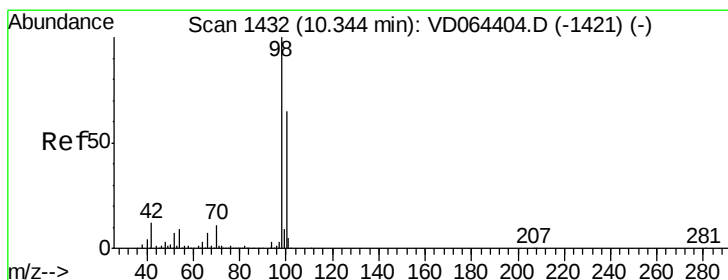
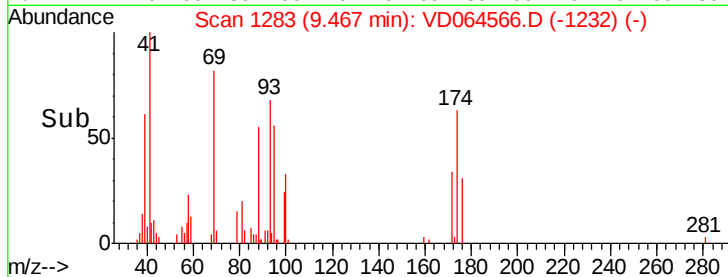
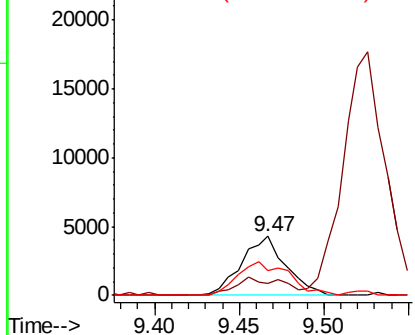
#49
1,4-Dioxane
Concen: 4662.747 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 88 Resp: 7790
Ion Ratio Lower Upper
88 100
43 31.4 26.7 40.1
58 65.3 52.3 78.5

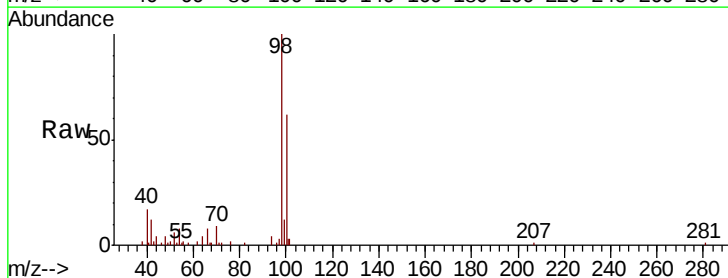


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

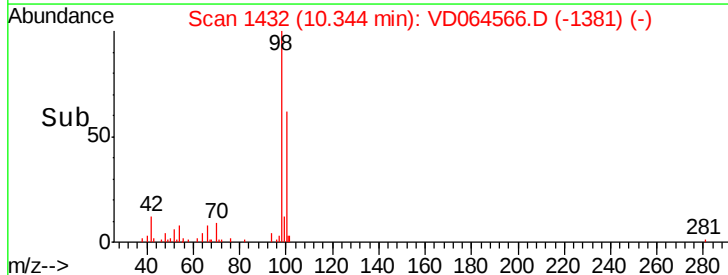
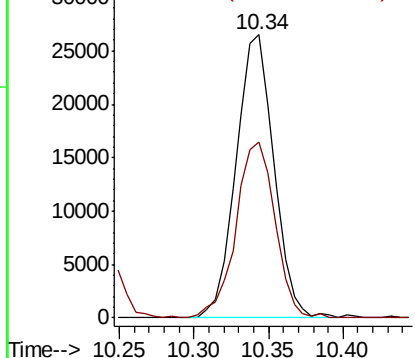


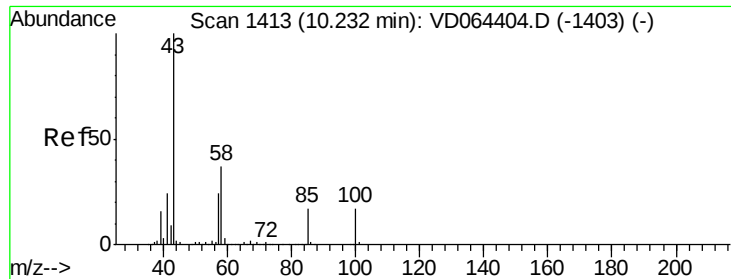
#50
Toluene-d8
Concen: 51.507 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 98 Resp: 46641
Ion Ratio Lower Upper
98 100
100 64.1 52.6 79.0



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: 784.078 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

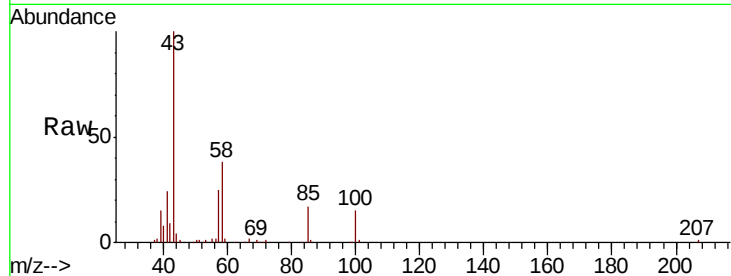
SB-2-(4-5)MS

Tot Ion: 43 Resp: 116807

Ion Ratio Lower Upper

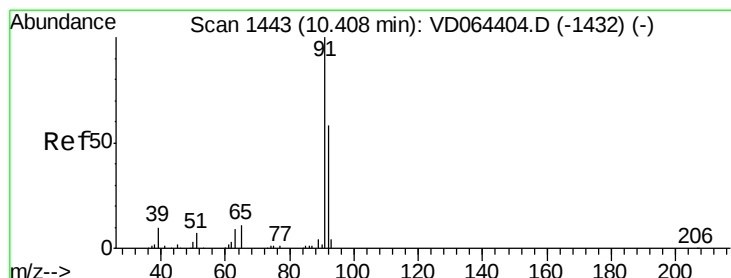
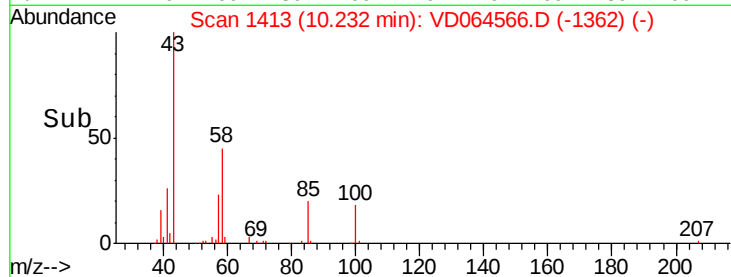
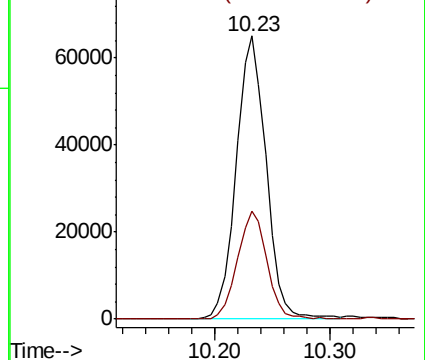
43 100

58 37.6 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.685 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064566.D

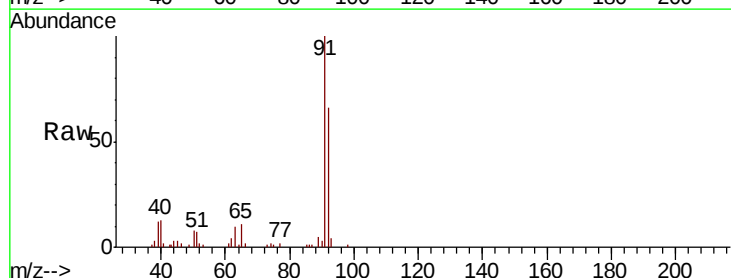
Acq: 23 Dec 2019 14:09

Tgt Ion: 92 Resp: 34415

Ion Ratio Lower Upper

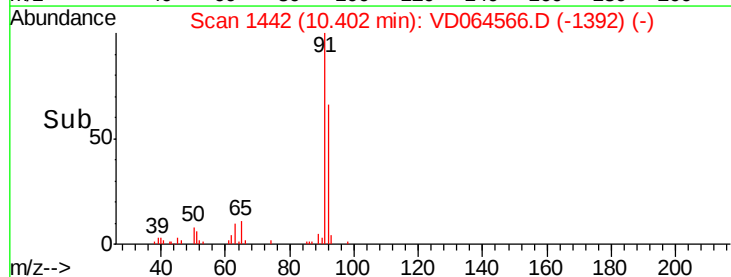
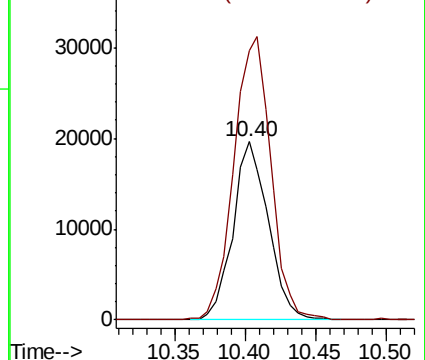
92 100

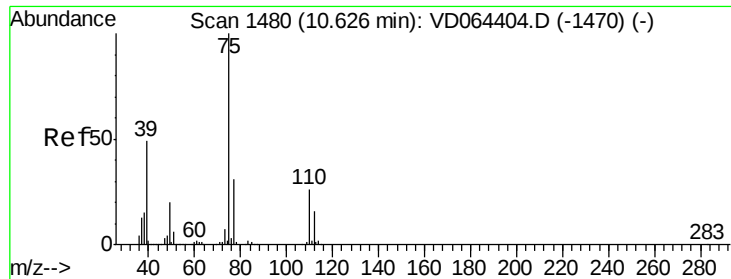
91 166.0 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 77.632 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

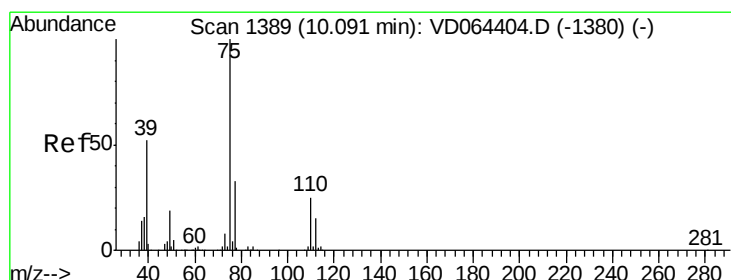
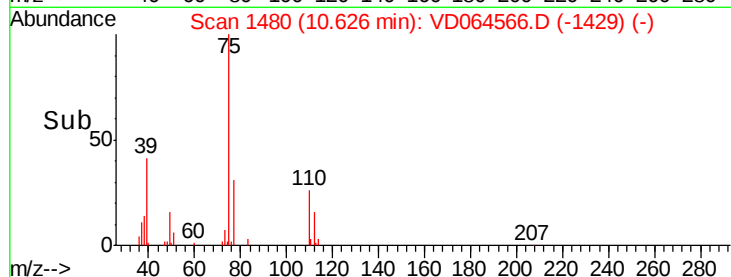
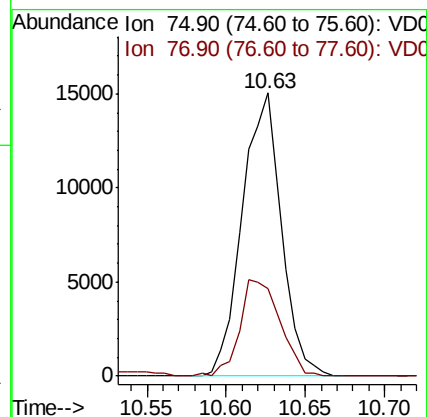
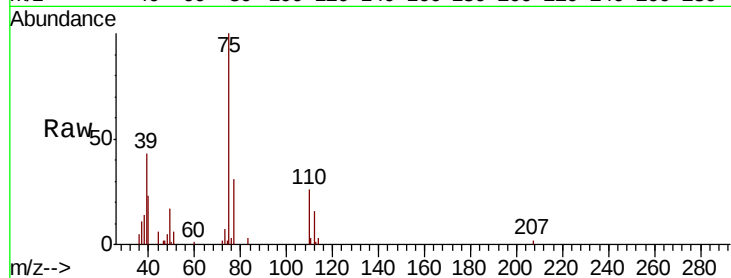
SB-2-(4-5)MS

Tot Ion: 75 Resp: 25720

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 64.621 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

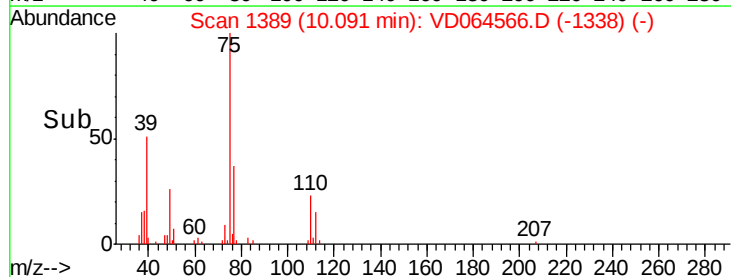
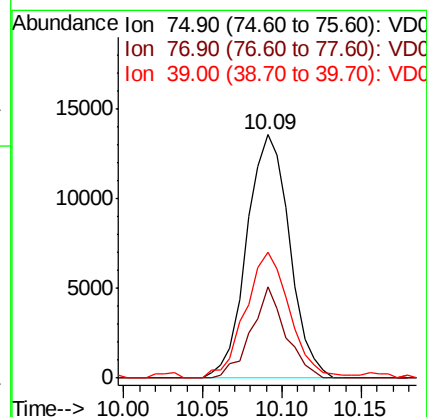
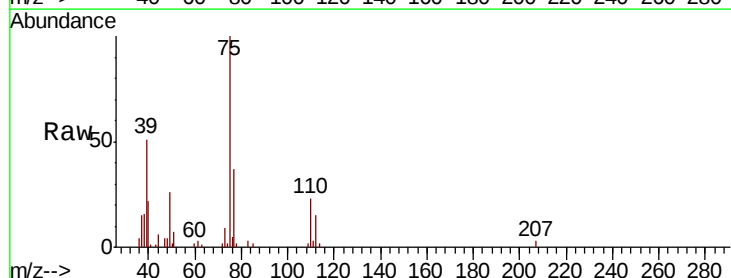
Tgt Ion: 75 Resp: 25434

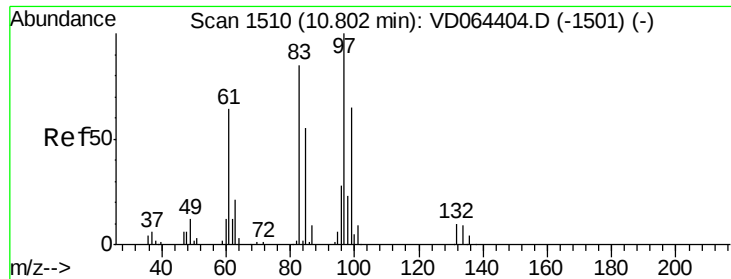
Ion Ratio Lower Upper

75 100

77 37.3 26.1 39.1

39 51.5 41.5 62.3

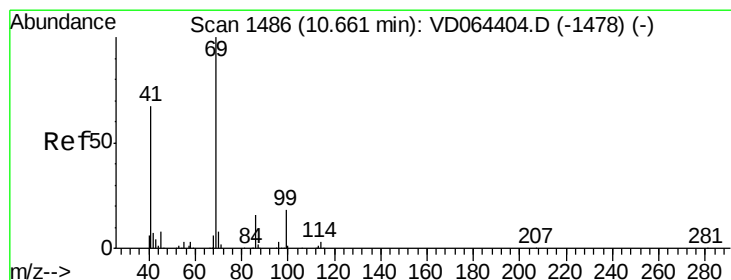
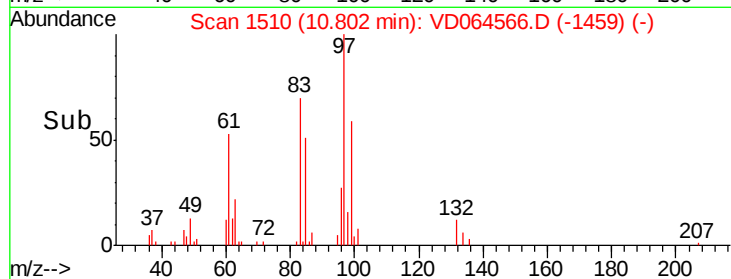
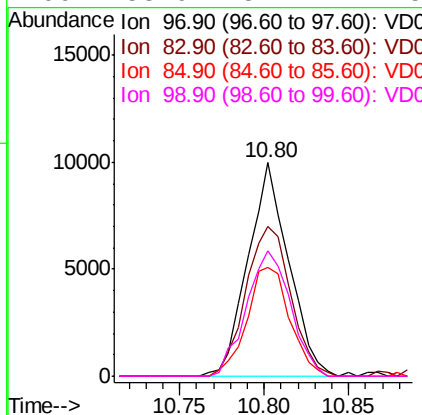
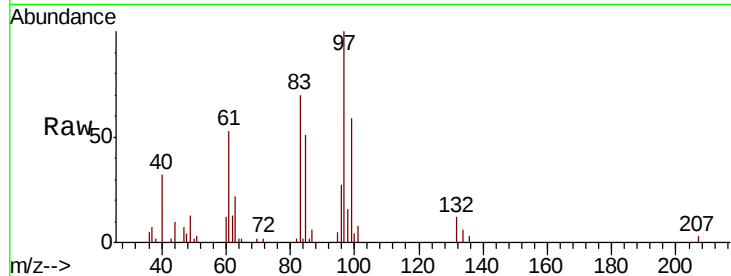




#55
 1,1,2-Trichloroethane
 Concen: 90.161 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

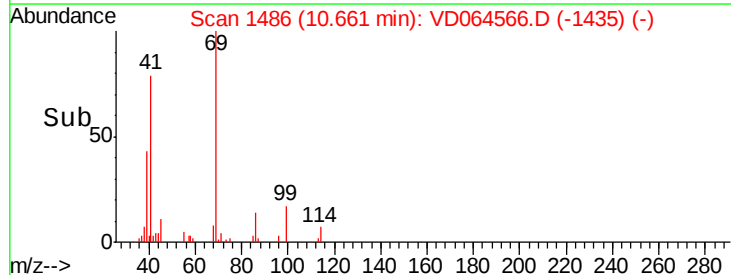
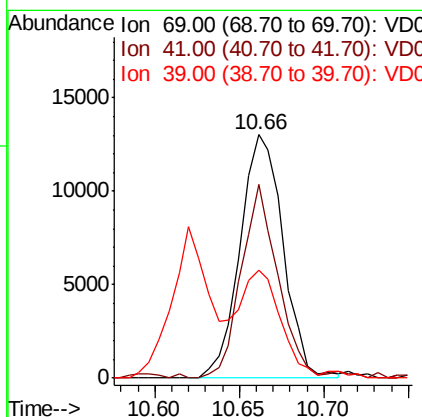
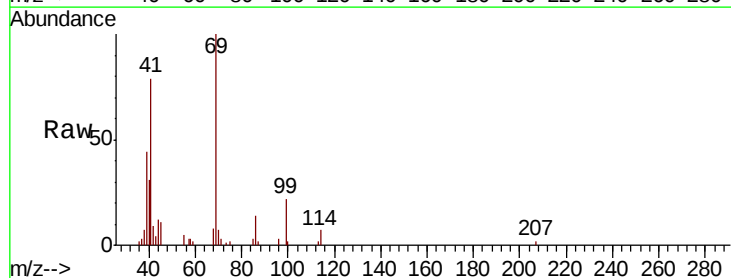
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

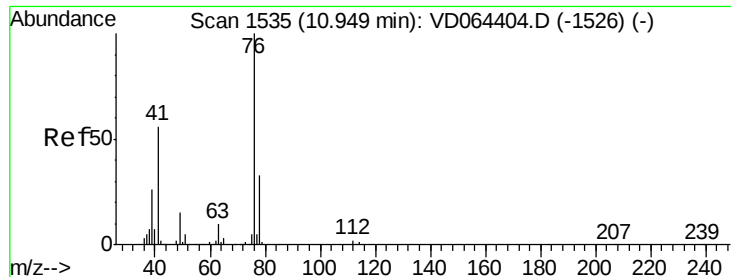
Tot Ion:	97	Resp:	16703
Ion	Ratio	Lower	Upper
97	100		
83	70.3	67.8	101.8
85	50.7	43.7	65.5
99	58.9	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 97.594 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion:	69	Resp:	23060
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	43.1	33.0	49.6

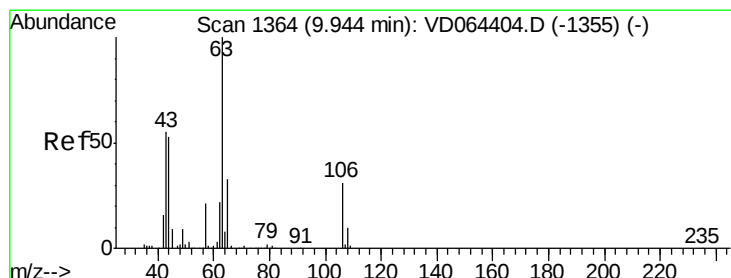
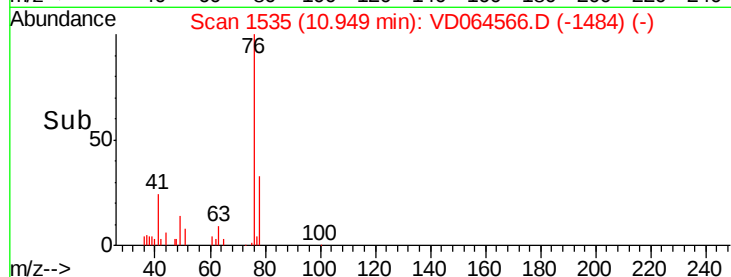
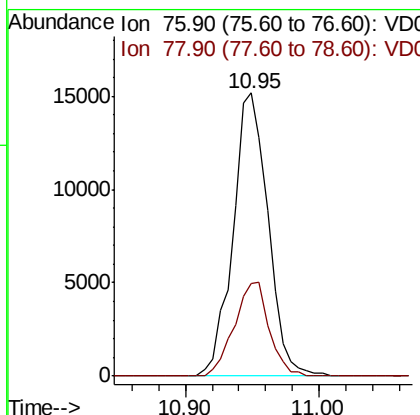
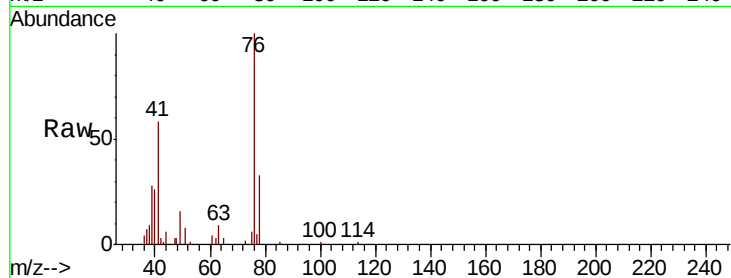




#57
 1,3-Dichloropropane
 Concen: 87.371 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

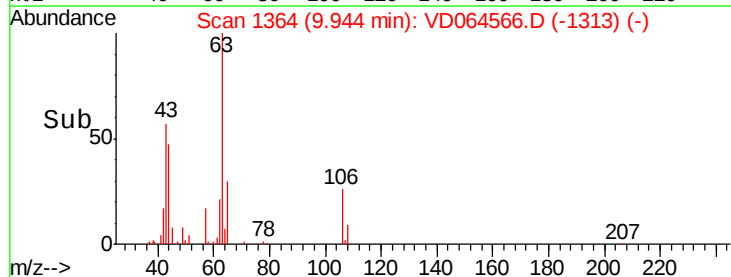
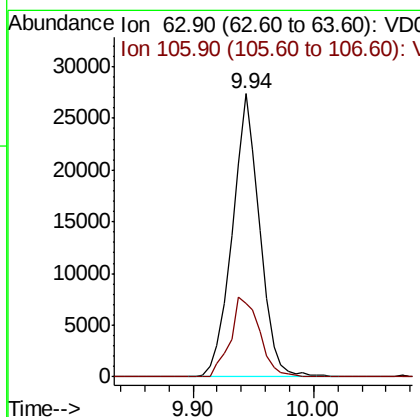
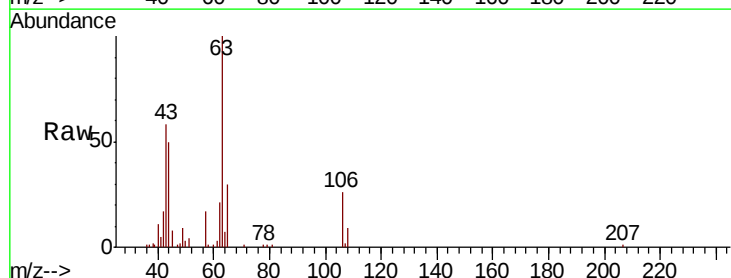
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

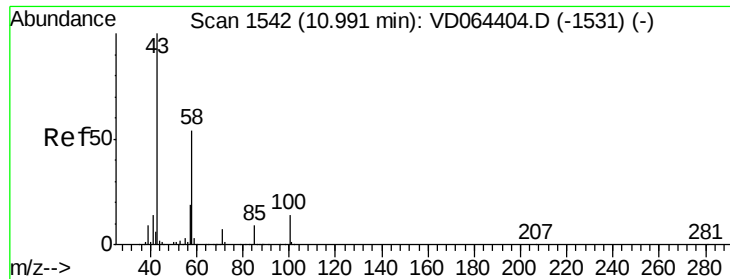
Tot Ion: 76 Resp: 27553
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 459.169 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 63 Resp: 43250
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.2 36.4

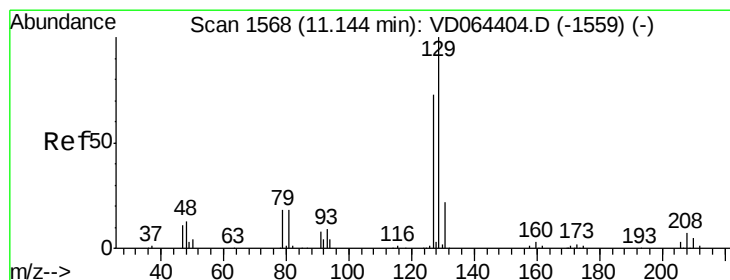
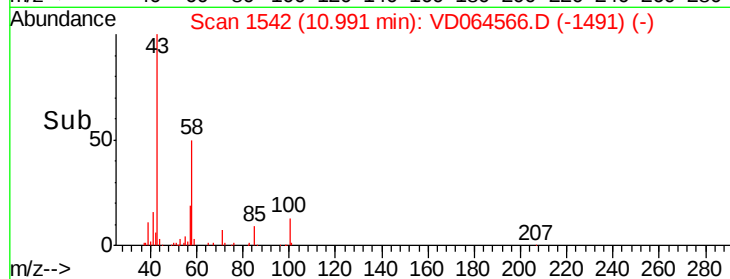
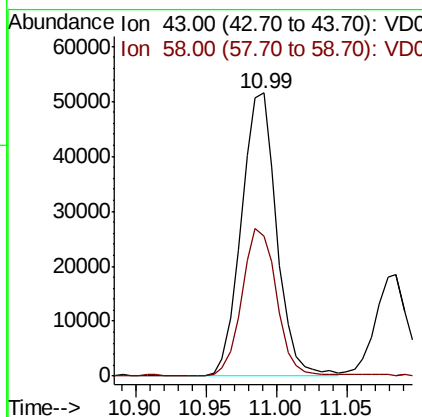
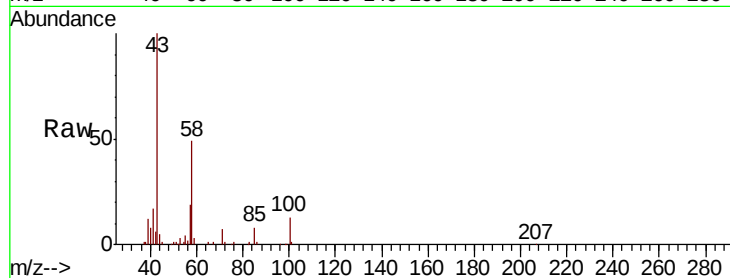




#59
2-Hexanone
Concen: 875.726 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

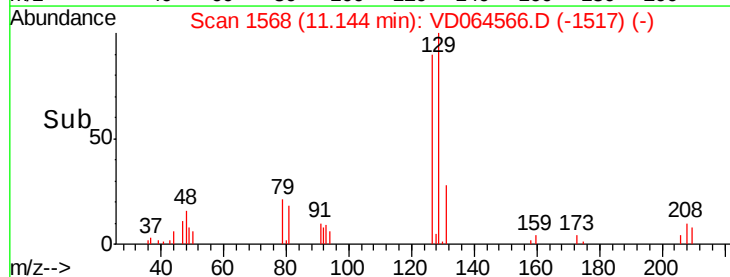
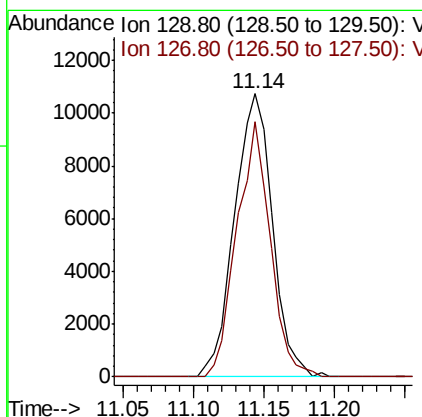
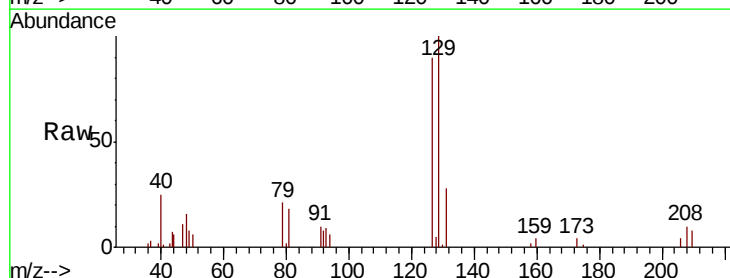
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

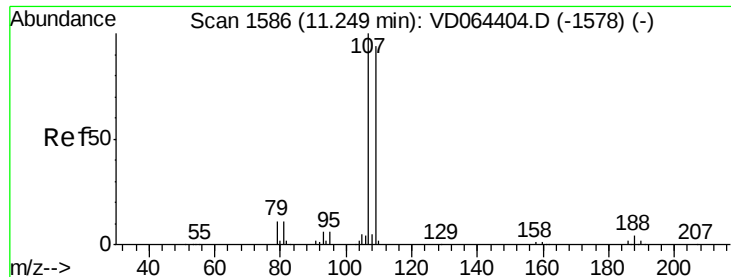
Tot Ion: 43 Resp: 90525
Ion Ratio Lower Upper
43 100
58 51.2 26.3 78.8



#60
Dibromochloromethane
Concen: 80.345 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 129 Resp: 20181
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 96.496 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

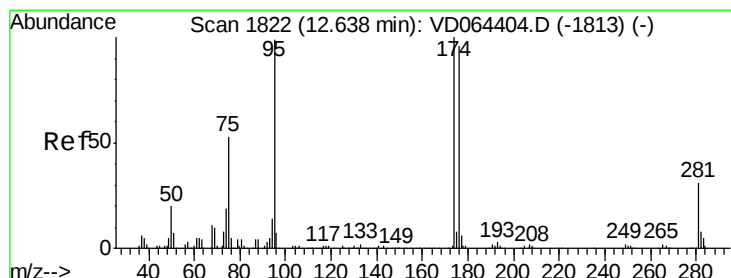
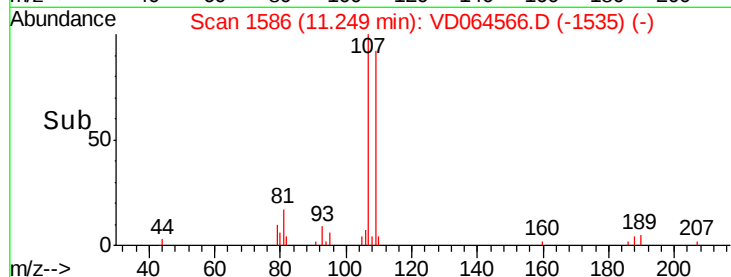
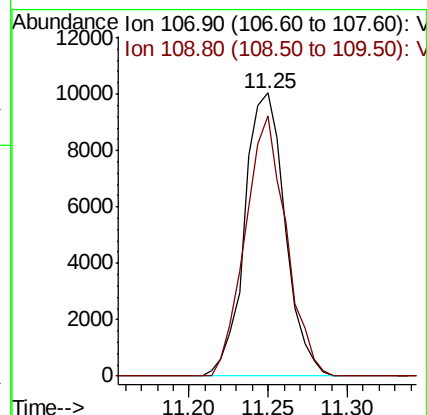
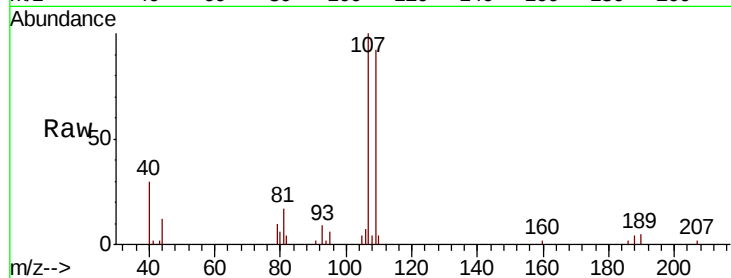
SB-2-(4-5)MS

Tot Ion:107 Resp: 17849

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.2



#62

4-Bromofluorobenzene

Concen: 61.672 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

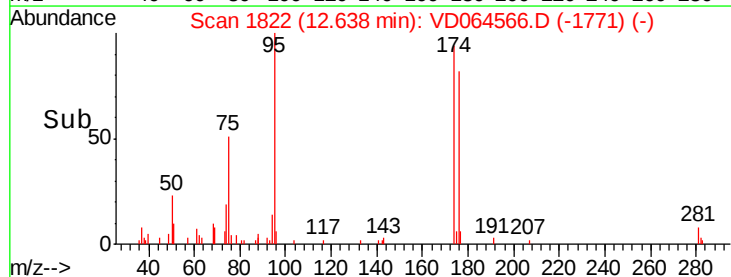
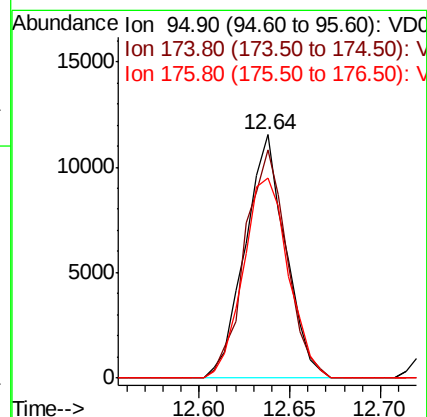
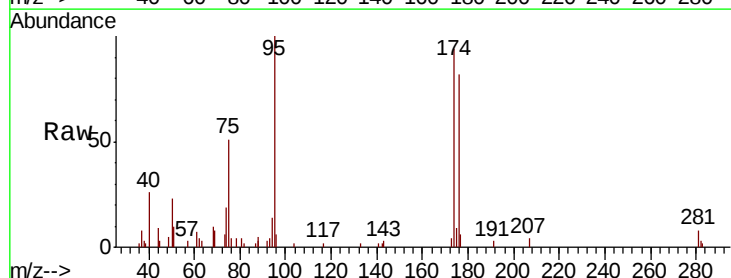
Tgt Ion: 95 Resp: 17947

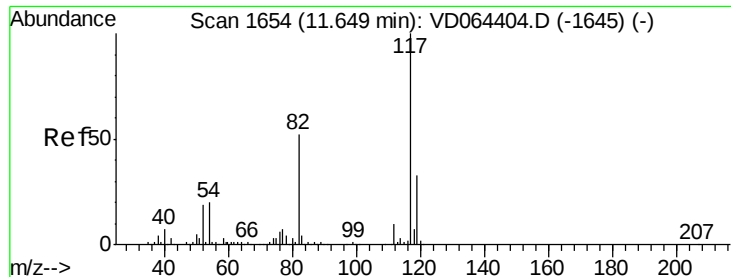
Ion Ratio Lower Upper

95 100

174 96.9 0.0 197.2

176 91.4 0.0 189.6

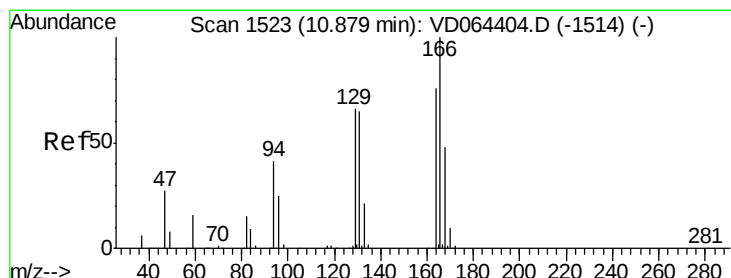
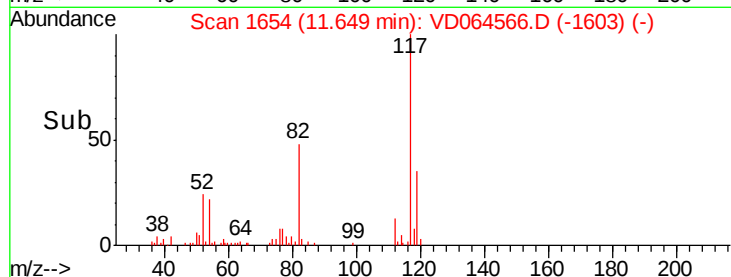
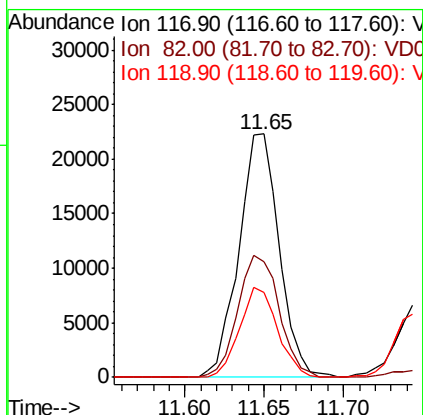
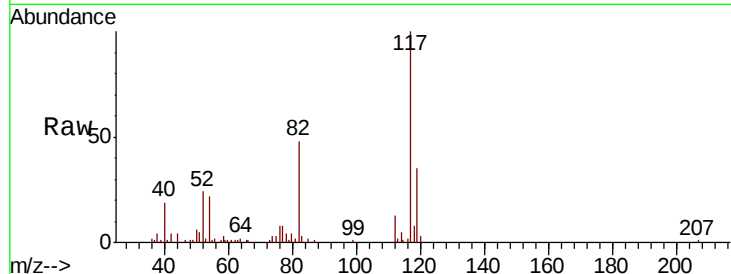




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

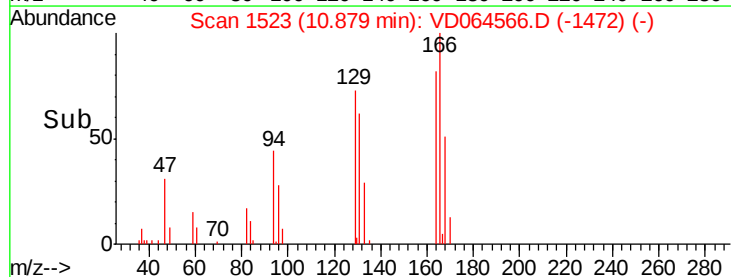
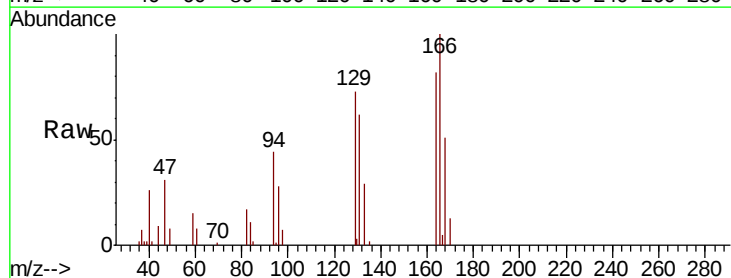
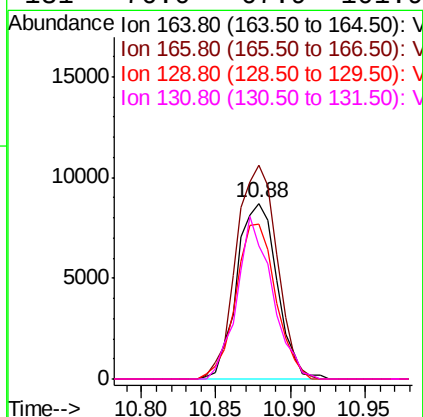
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

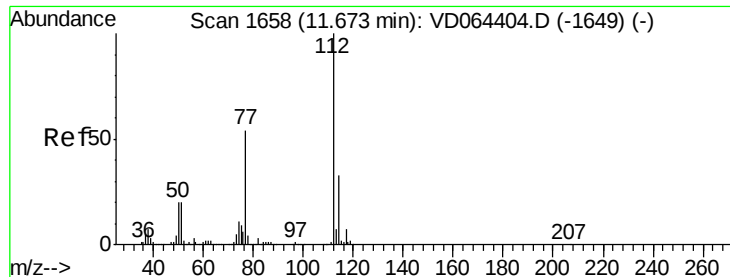
Tot Ion:117 Resp: 39516
Ion Ratio Lower Upper
117 100
82 47.7 41.4 62.2
119 35.1 26.2 39.2



#64
Tetrachloroethene
Concen: 54.132 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:164 Resp: 16312
Ion Ratio Lower Upper
164 100
166 121.7 104.8 157.2
129 88.4 68.7 103.1
131 76.0 67.9 101.9

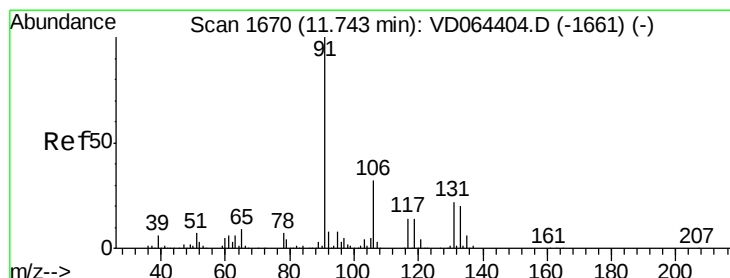
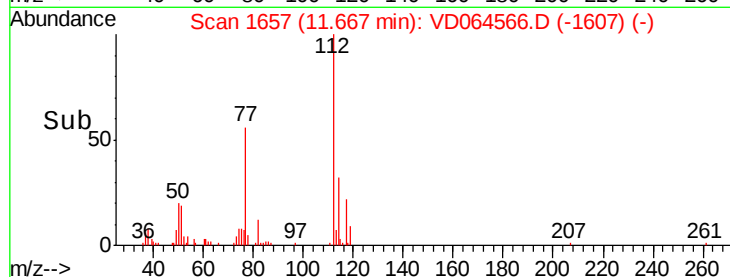
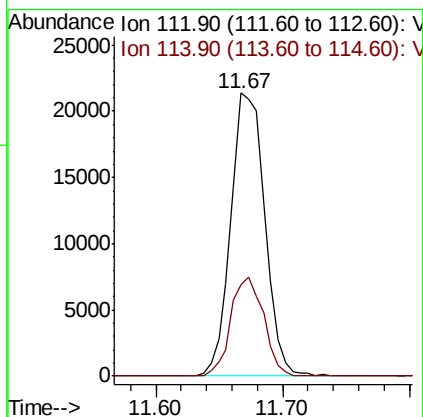
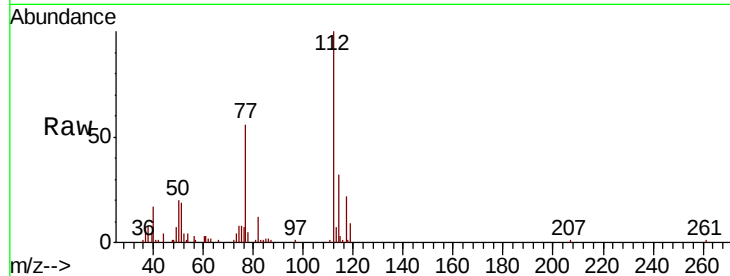




#65
Chlorobenzene
Concen: 48.172 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

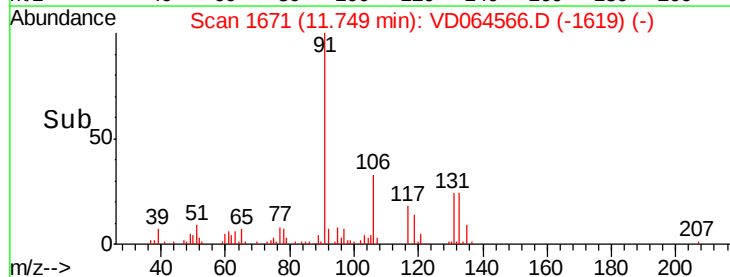
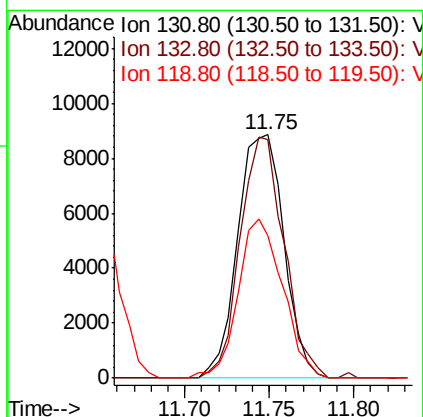
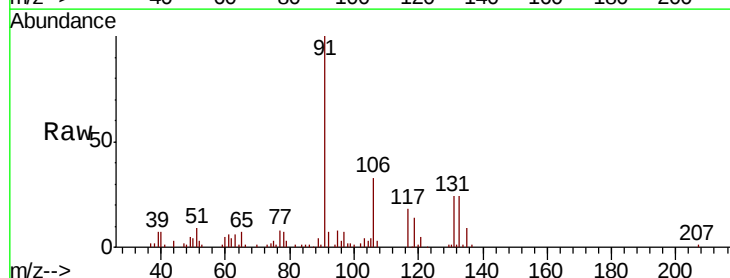
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

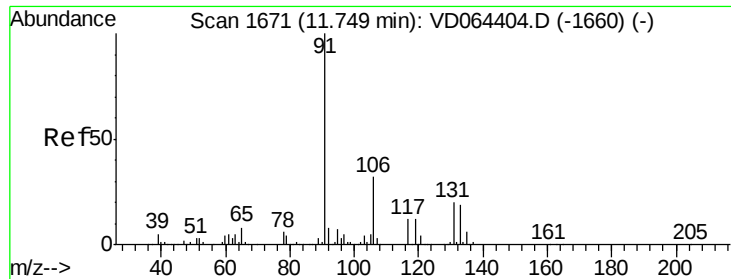
Tot Ion:112 Resp: 39702
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.326 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:131 Resp: 16880
Ion Ratio Lower Upper
131 100
133 93.2 48.3 144.9
119 62.9 31.9 95.9





#67

Ethyl Benzene

Concen: 41.700 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

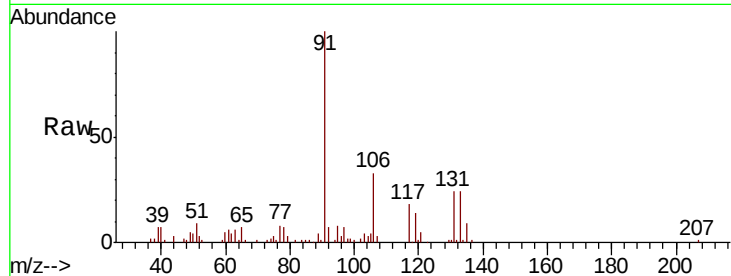
SB-2-(4-5)MS

Tot Ion: 91 Resp: 61149

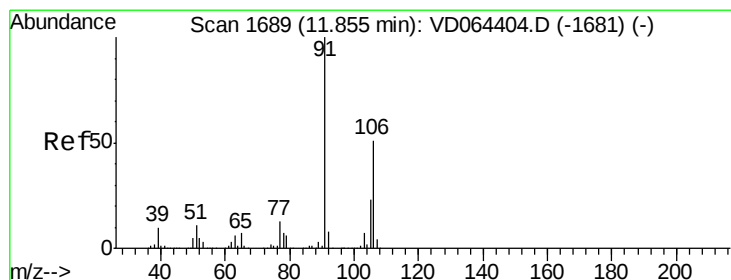
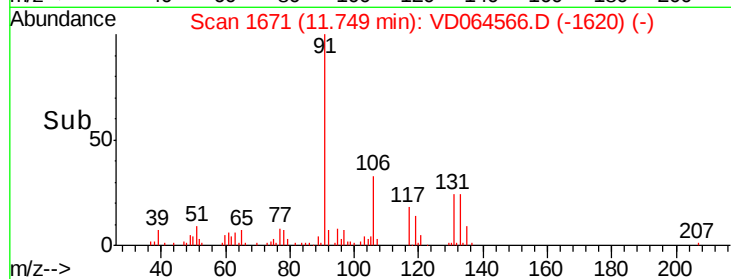
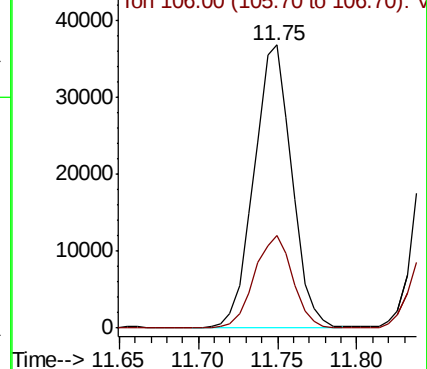
Ion Ratio Lower Upper

91 100

106 32.8 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 82.438 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064566.D

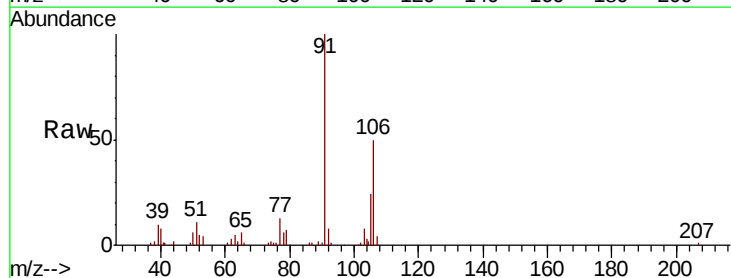
Acq: 23 Dec 2019 14:09

Tgt Ion: 106 Resp: 46093

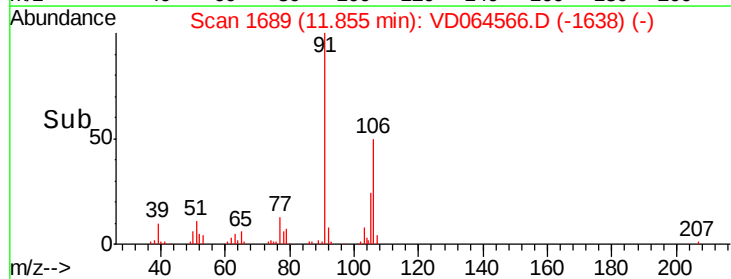
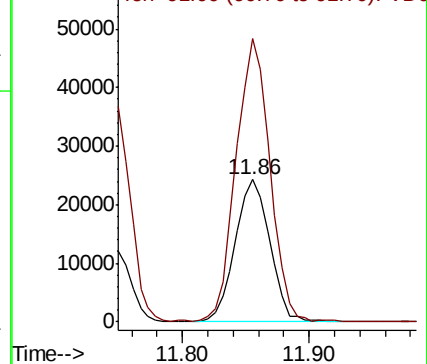
Ion Ratio Lower Upper

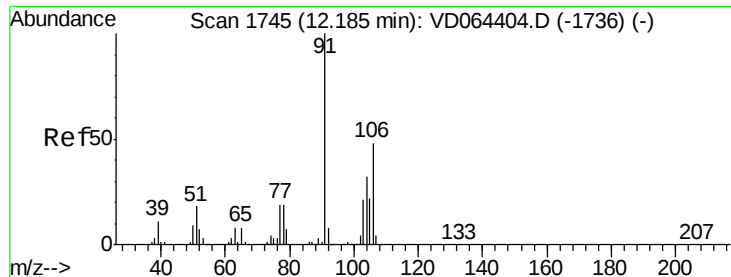
106 100

91 192.1 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

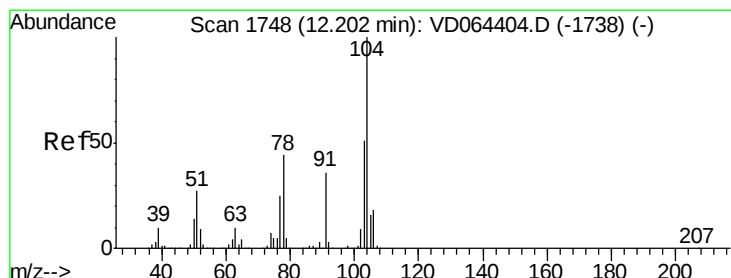
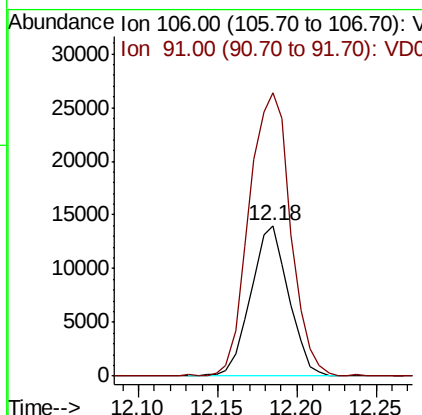
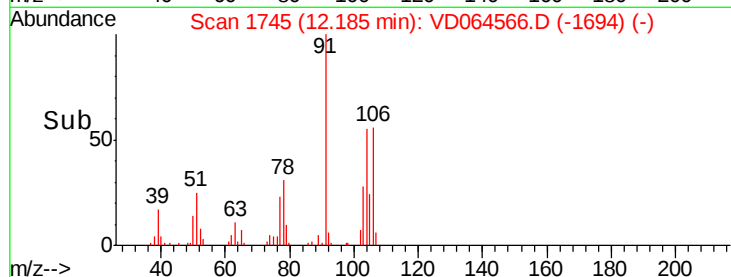
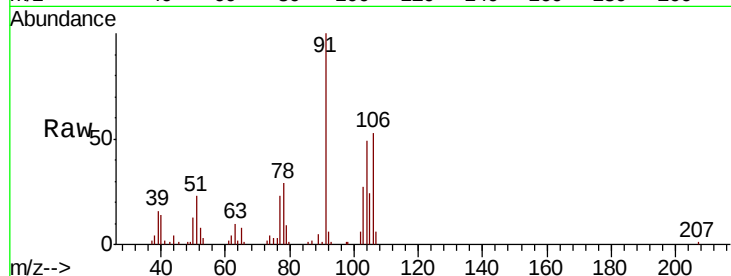




#69
o-Xylene
Concen: 44.965 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

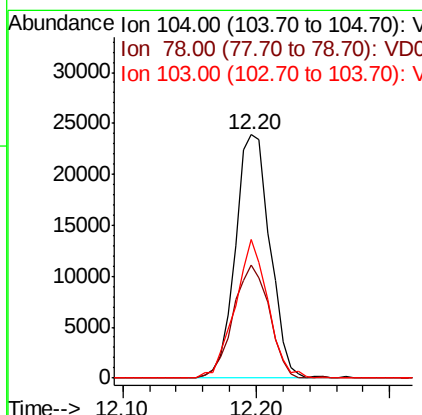
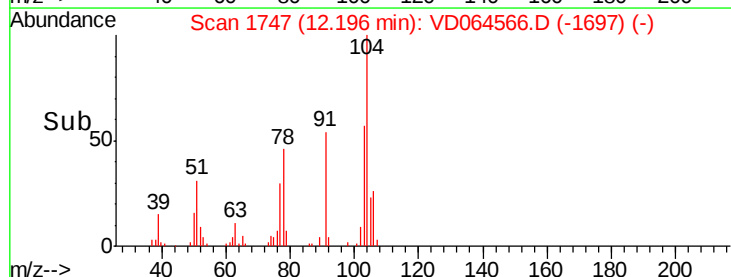
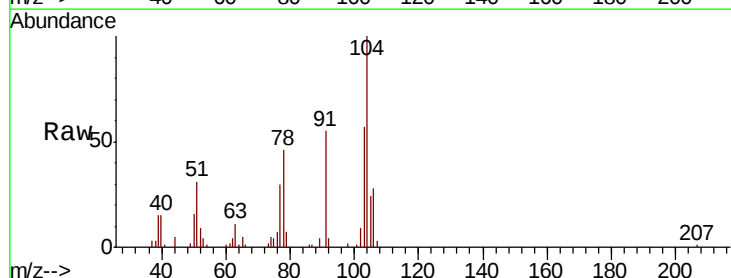
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

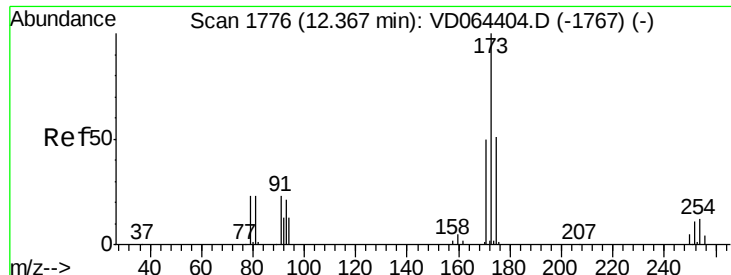
Tot Ion:106 Resp: 23219
Ion Ratio Lower Upper
106 100
91 206.3 103.8 311.4



#70
Styrene
Concen: 47.651 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:104 Resp: 42759
Ion Ratio Lower Upper
104 100
78 48.4 38.8 58.2
103 54.4 44.2 66.4





#71

Bromoform

Concen: 88.180 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

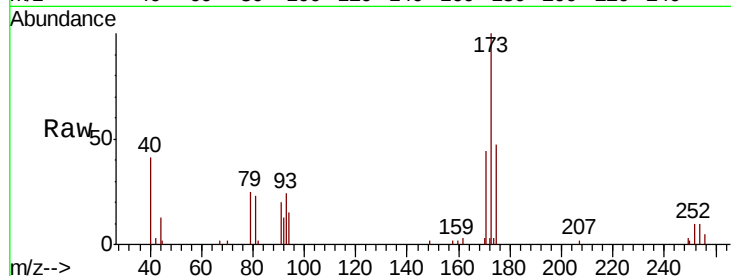
Tot Ion:173 Resp: 16096

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.8

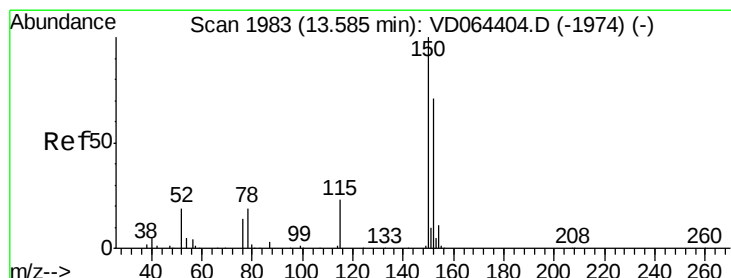
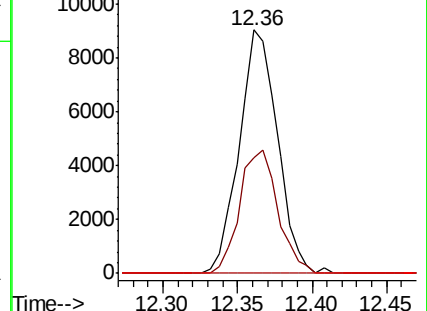
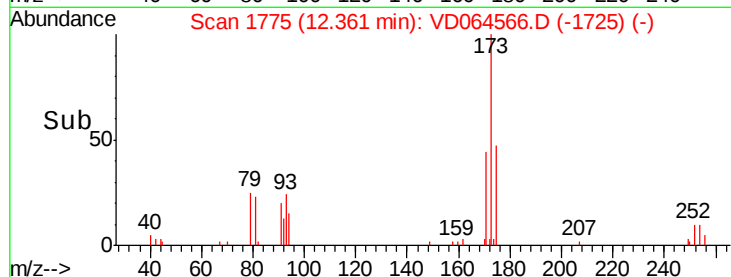
254 0.0 0.0 0.0



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# 1982

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

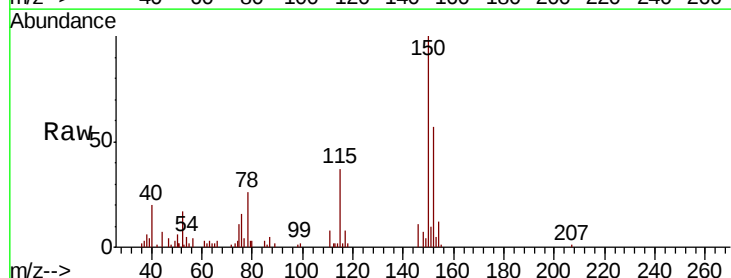
Tgt Ion:152 Resp: 21179

Ion Ratio Lower Upper

152 100

115 58.2 26.7 80.1

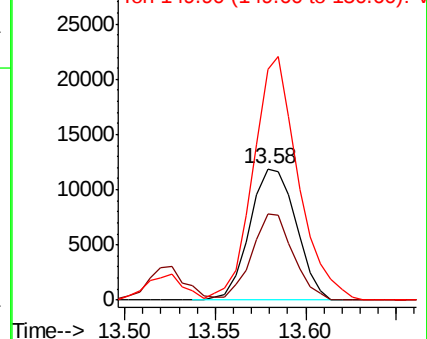
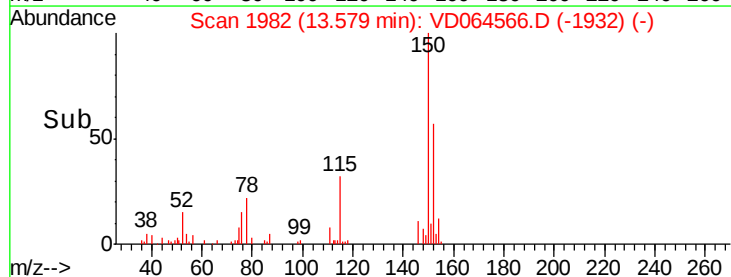
150 179.4 0.0 347.2

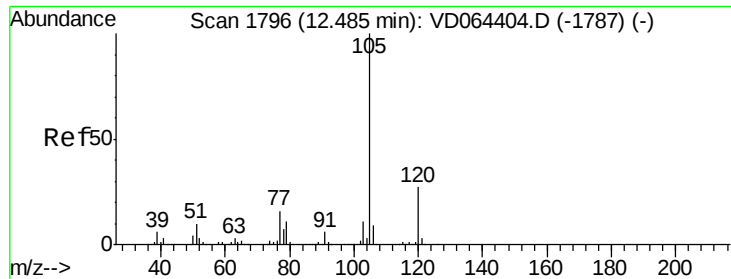


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37.042 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

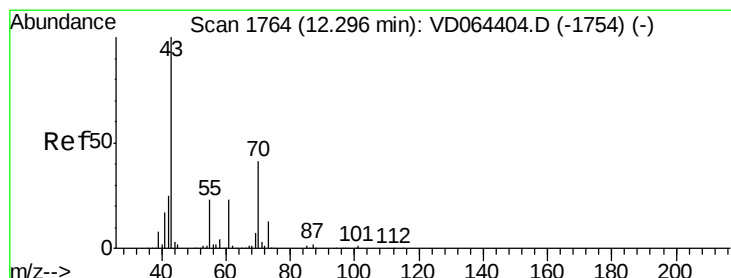
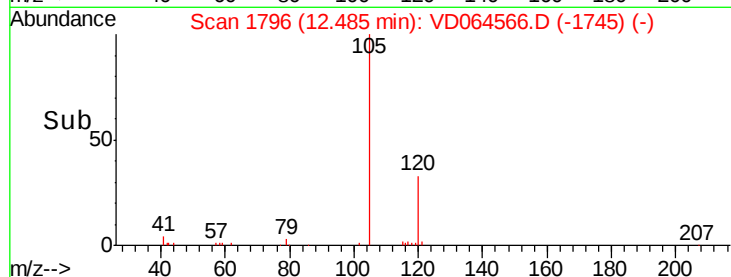
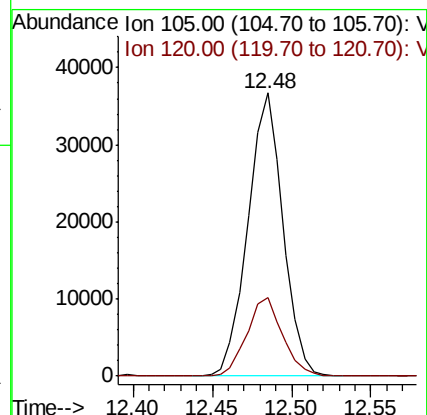
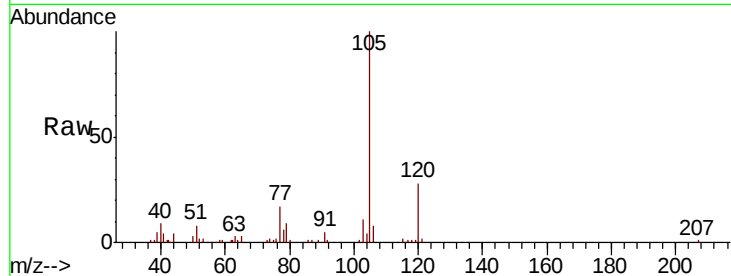
SB-2-(4-5)MS

Tot Ion:105 Resp: 56423

Ion Ratio Lower Upper

105 100

120 28.1 13.4 40.2



#74

N-ethyl acetate

Concen: 73.801 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion: 43 Resp: 25514

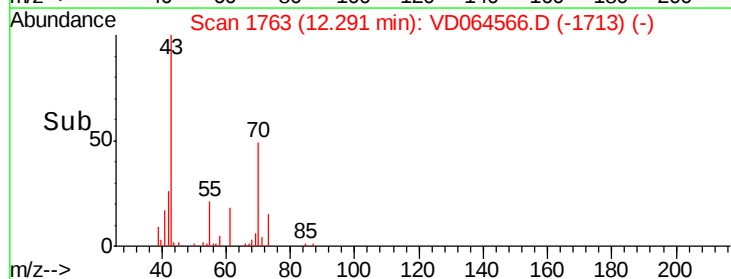
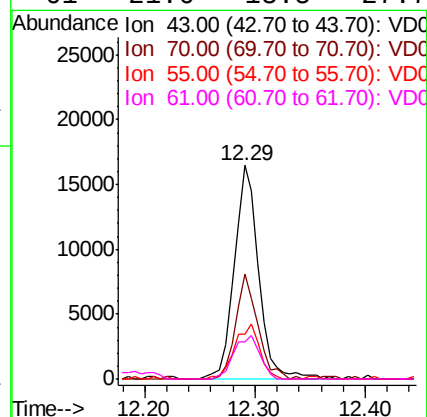
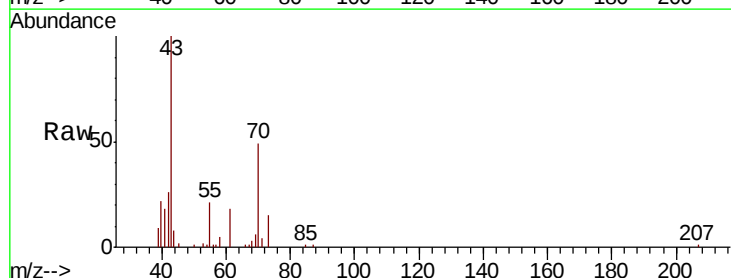
Ion Ratio Lower Upper

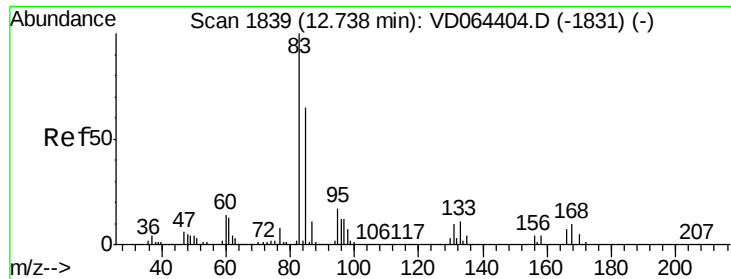
43 100

70 44.6 33.4 50.2

55 26.5 18.9 28.3

61 21.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 94.576 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

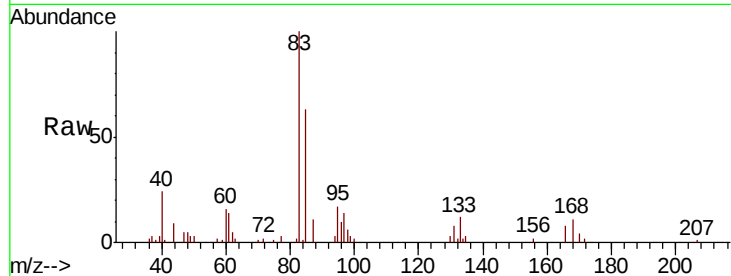
Tot Ion: 83 Resp: 23823

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.0
85	64.0	31.3	93.9

83 100

131 10.6 5.7 17.0

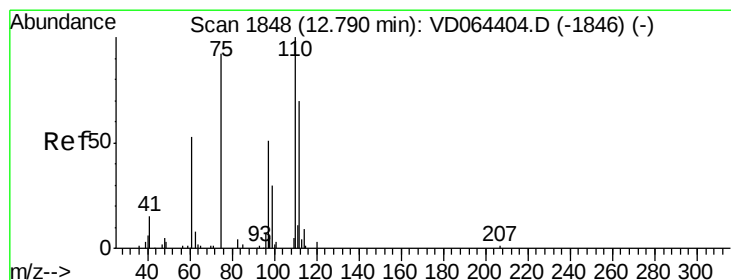
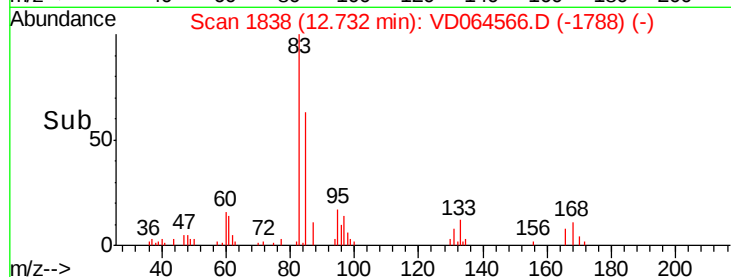
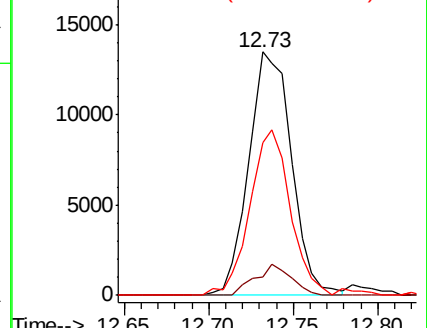
85 64.0 31.3 93.9



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: 176.713 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064566.D

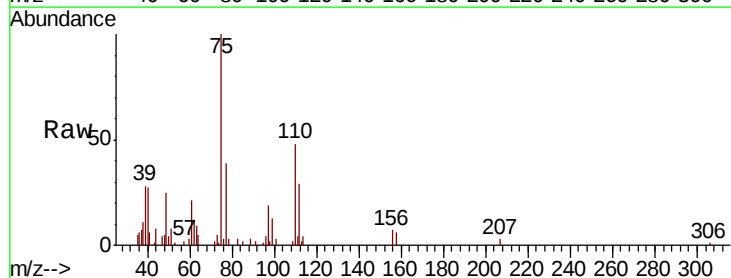
Acq: 23 Dec 2019 14:09

Tgt Ion: 75 Resp: 30778

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

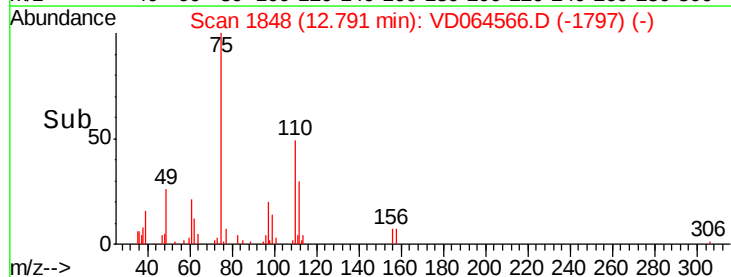
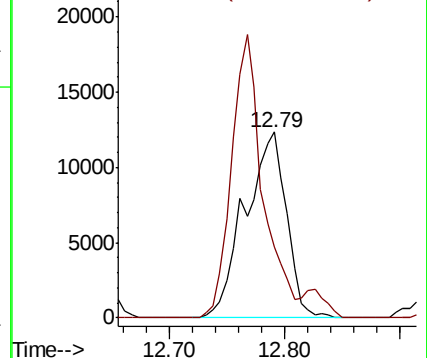
75 100

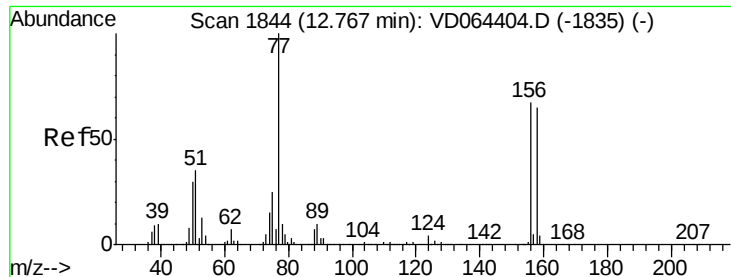
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.412 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

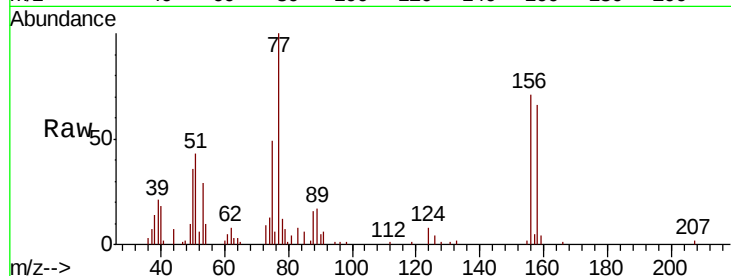
Tot Ion:156 Resp: 19715

Ion Ratio Lower Upper

156 100

77 181.1 80.0 240.2

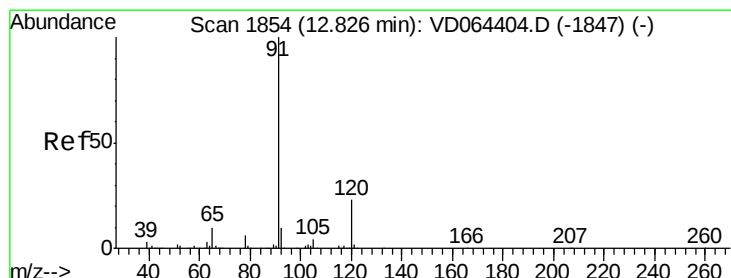
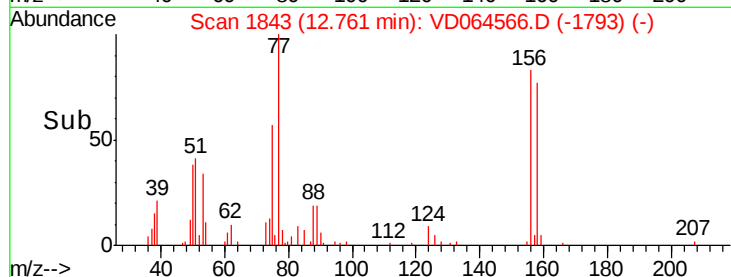
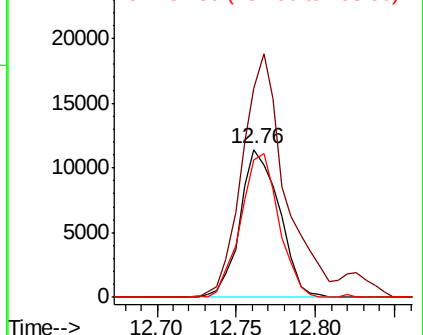
158 94.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 37.423 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064566.D

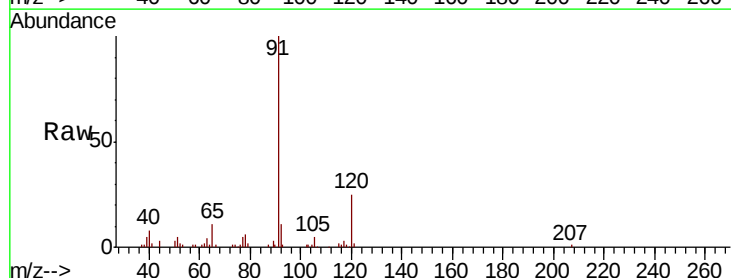
Acq: 23 Dec 2019 14:09

Tgt Ion: 91 Resp: 65770

Ion Ratio Lower Upper

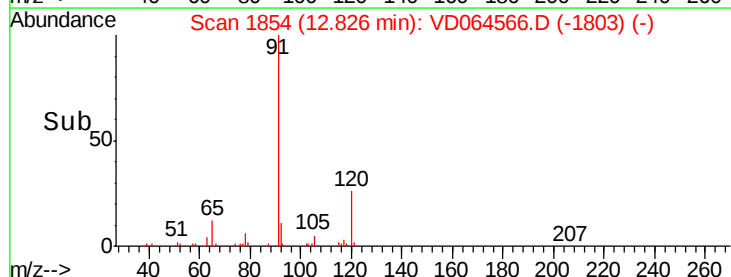
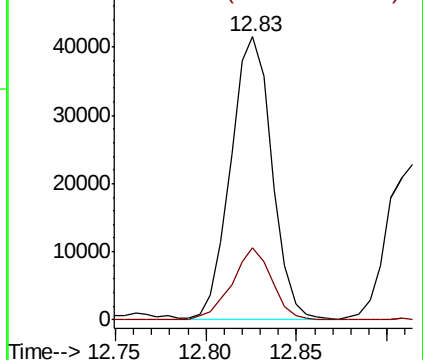
91 100

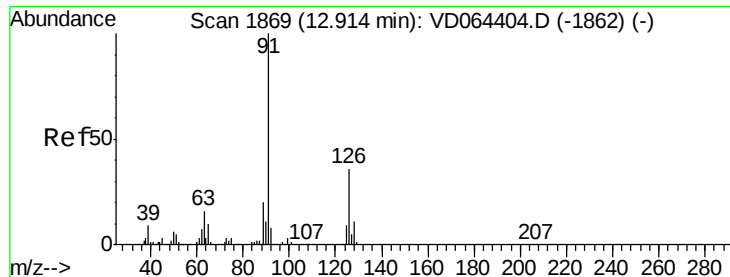
120 24.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 40.280 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

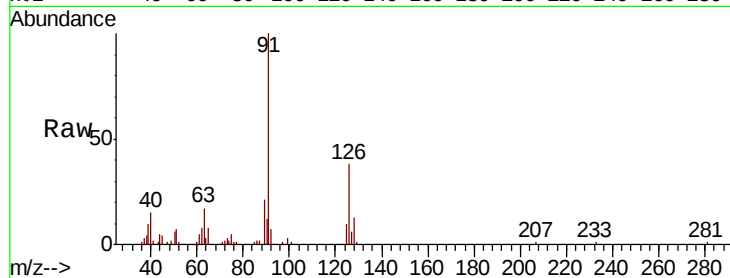
SB-2-(4-5)MS

Tot Ion: 91 Resp: 38953

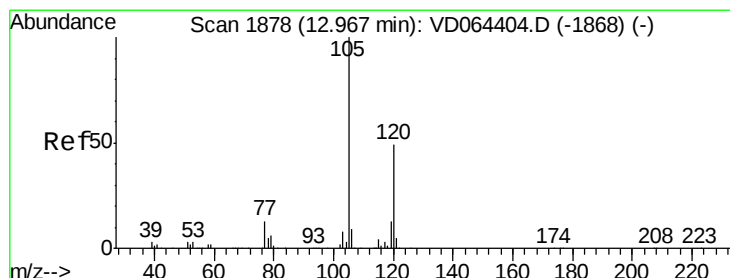
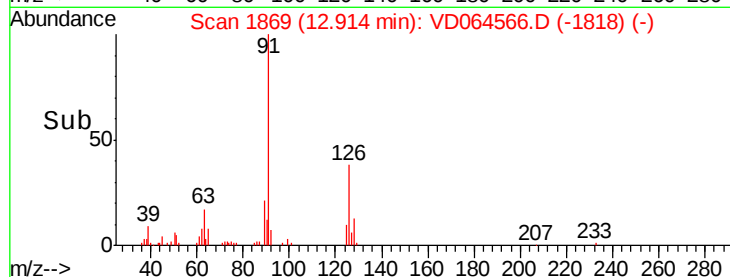
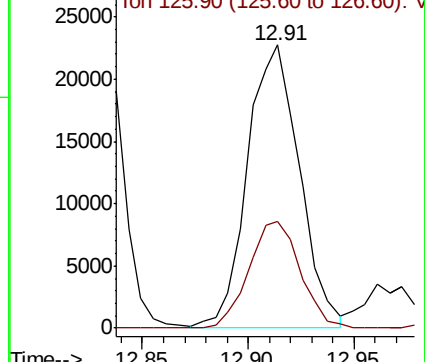
Ion Ratio Lower Upper

91 100

126 37.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 38.864 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064566.D

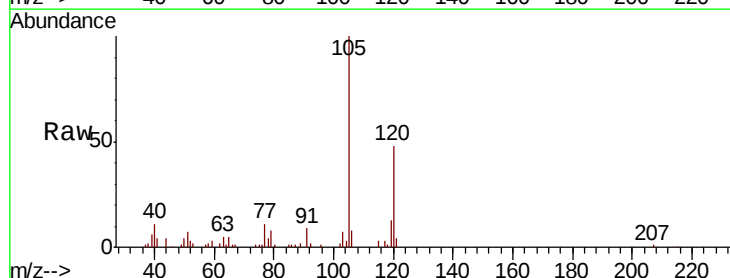
Acq: 23 Dec 2019 14:09

Tgt Ion:105 Resp: 48376

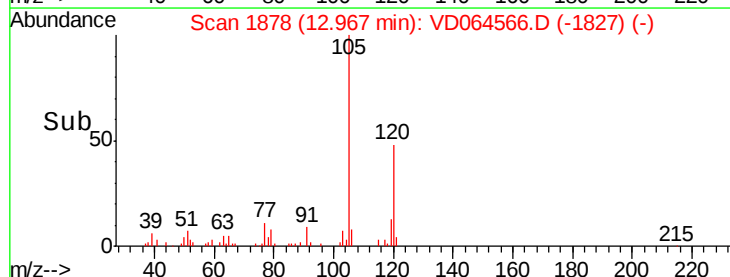
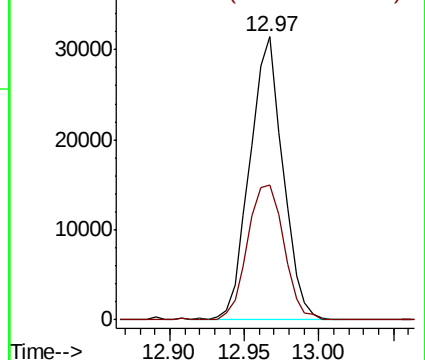
Ion Ratio Lower Upper

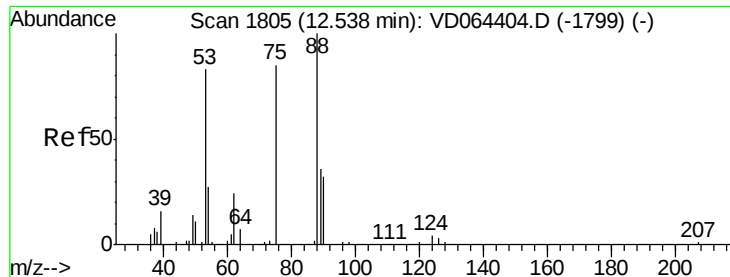
105 100

120 52.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 90.366 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

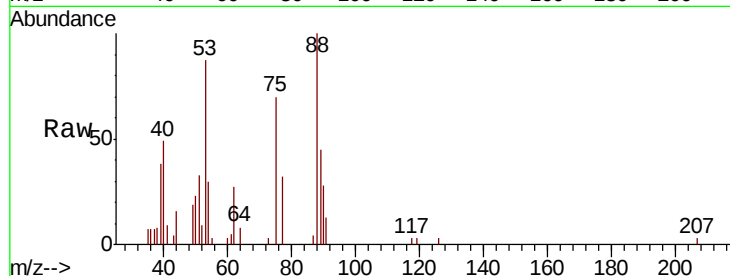
Tot Ion: 75 Resp: 7218

Ion Ratio Lower Upper

75 100

53 111.8 81.0 121.6

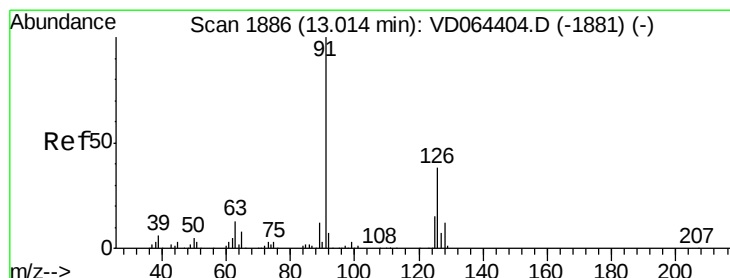
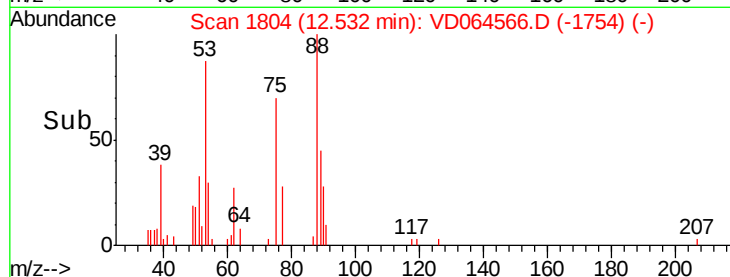
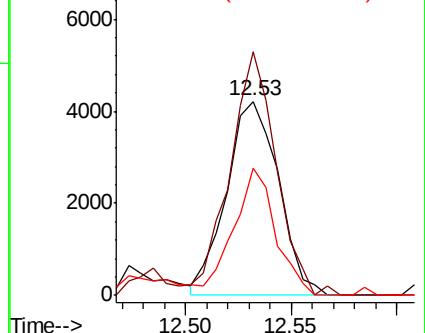
89 52.0 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 44.066 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064566.D

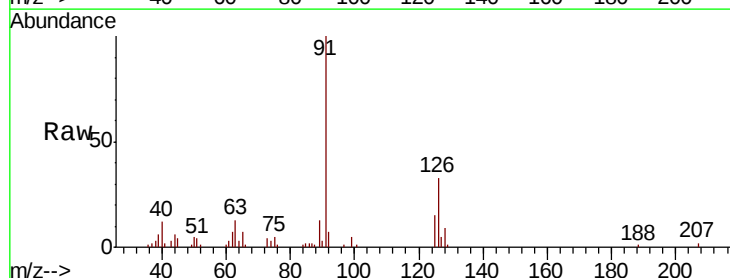
Acq: 23 Dec 2019 14:09

Tgt Ion: 91 Resp: 45119

Ion Ratio Lower Upper

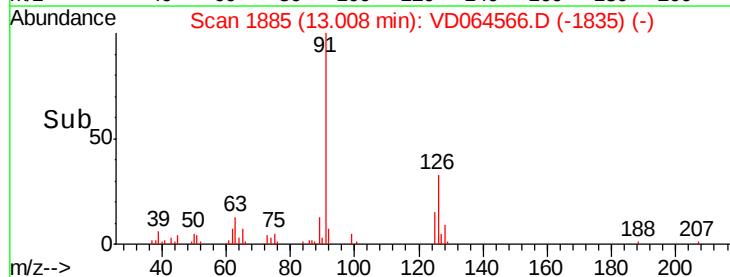
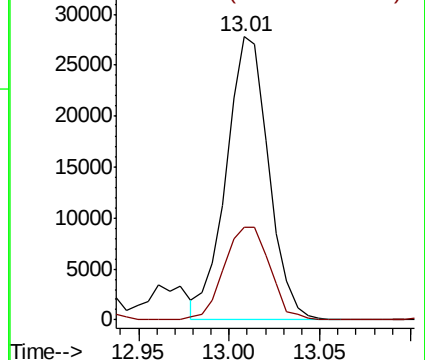
91 100

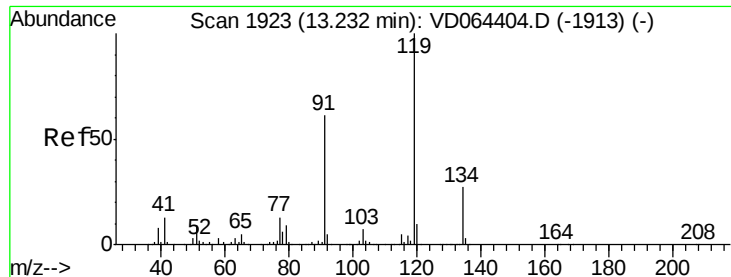
126 35.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

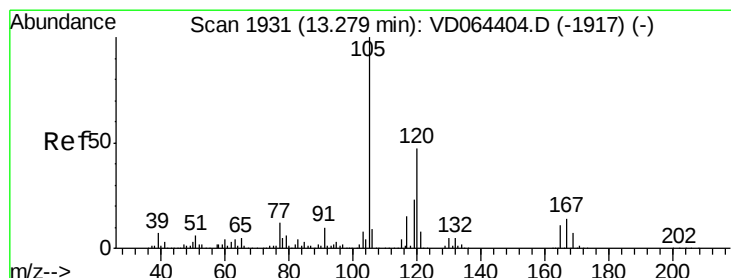
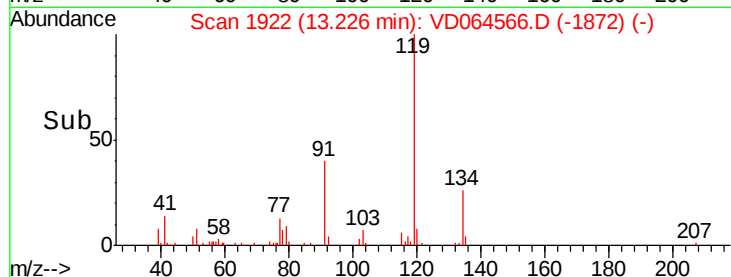
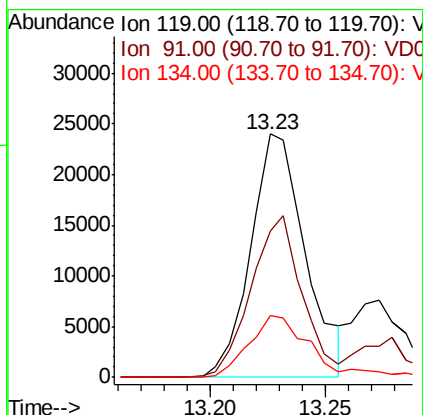
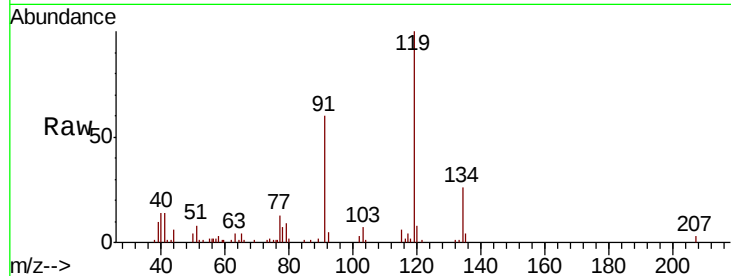




#83
tert-Butylbenzene
Concen: 36.578 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

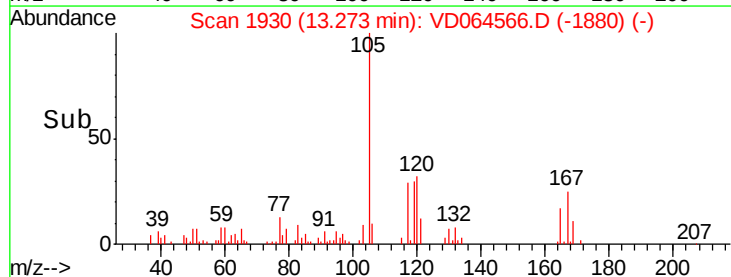
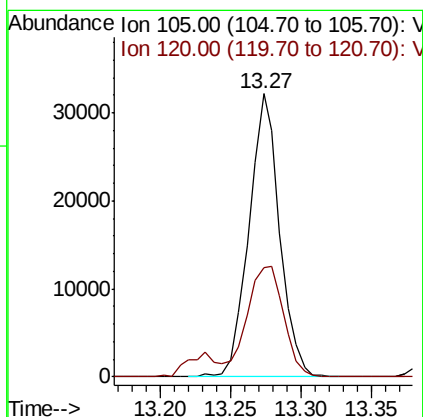
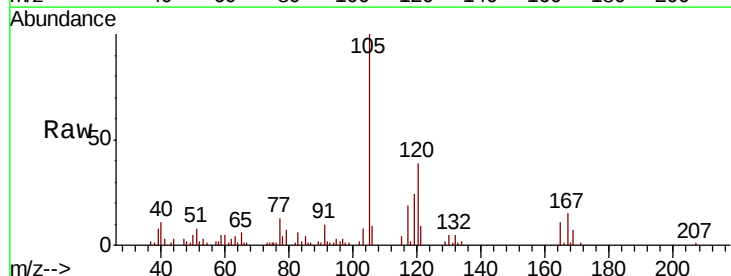
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

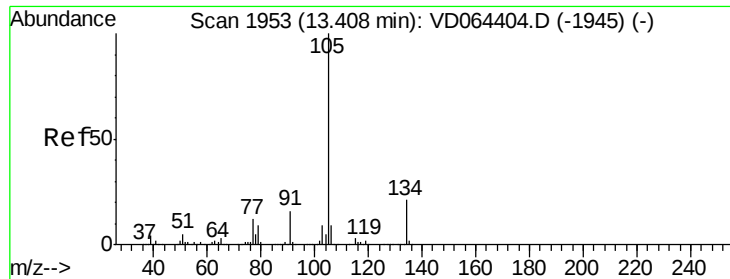
Tot Ion:119 Resp: 39583
Ion Ratio Lower Upper
119 100
91 61.9 31.2 93.6
134 28.8 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 39.156 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:105 Resp: 49009
Ion Ratio Lower Upper
105 100
120 46.8 23.6 70.8





#85

sec-Butylbenzene

Concen: 34.861 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

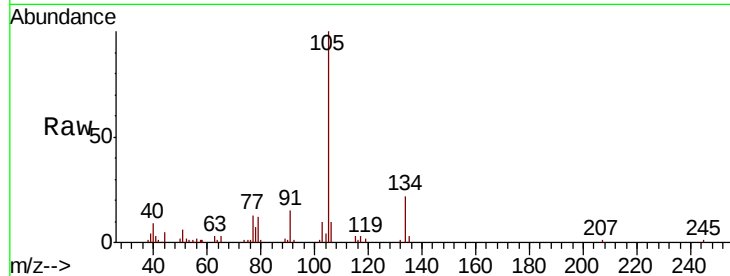
SB-2-(4-5)MS

Tot Ion:105 Resp: 51778

Ion Ratio Lower Upper

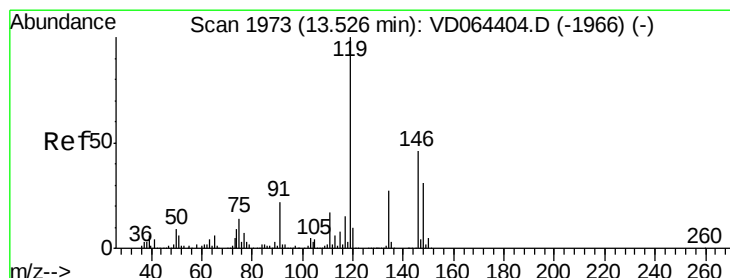
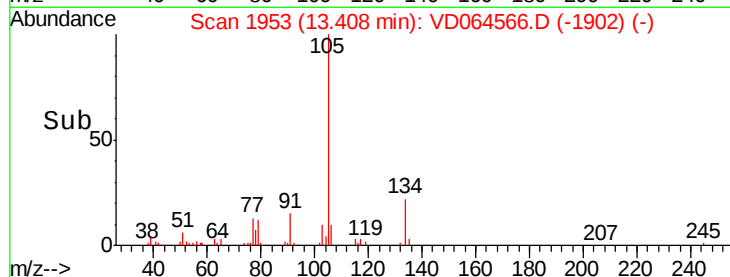
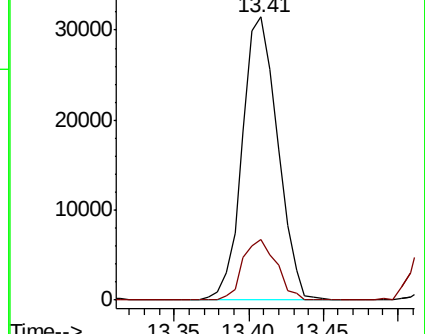
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 35.295 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

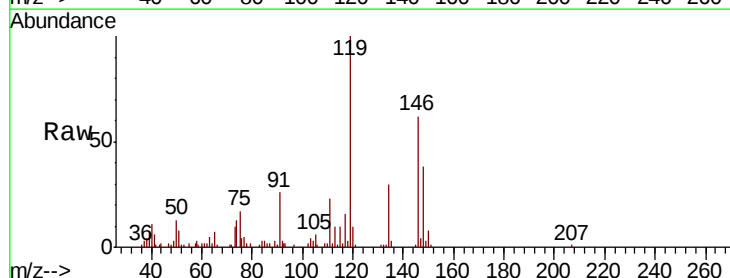
Tgt Ion:119 Resp: 49491

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

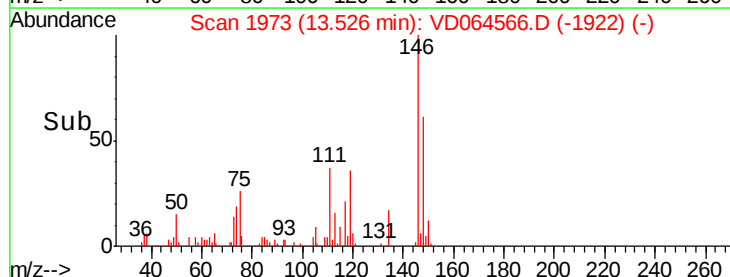
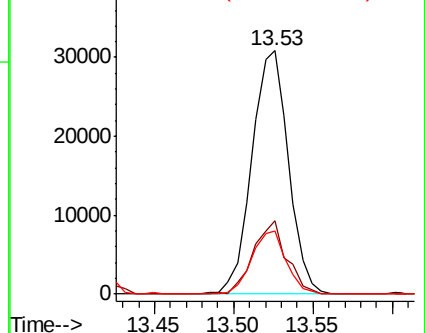
91 24.5 11.2 33.5



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: 45.920 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

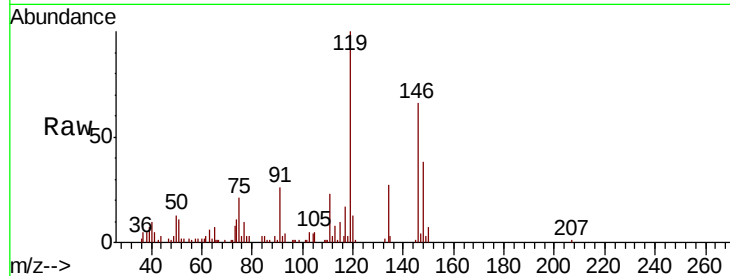
Tot Ion:146 Resp: 32784

Ion Ratio Lower Upper

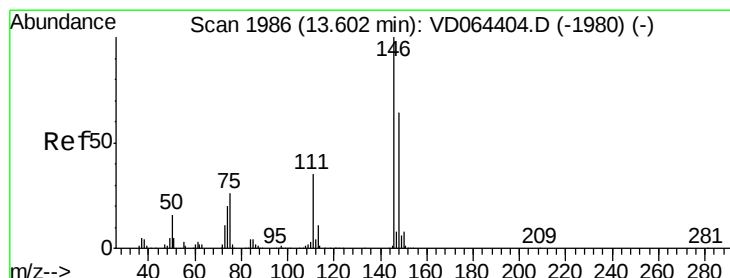
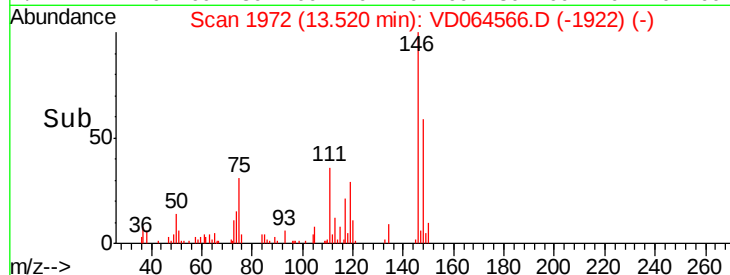
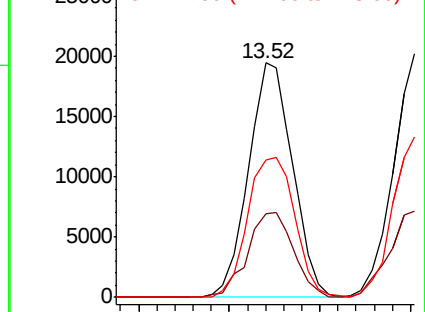
146 100

111 37.8 18.8 56.4

148 64.4 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.303 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

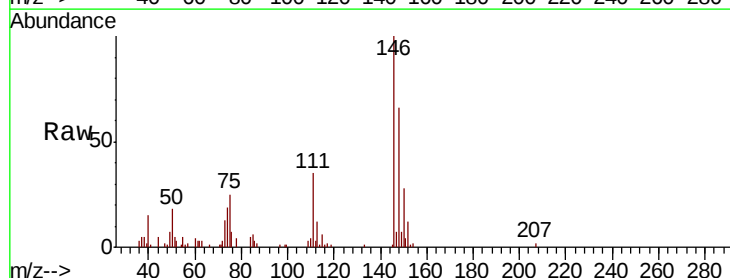
Tgt Ion:146 Resp: 31932

Ion Ratio Lower Upper

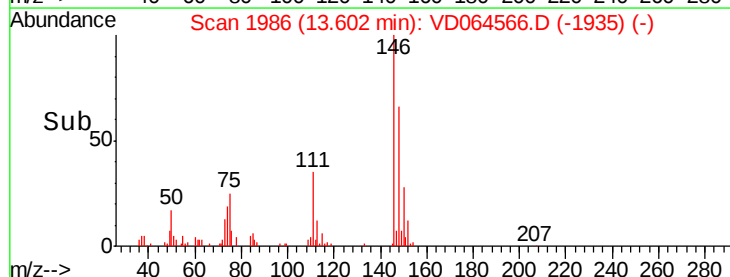
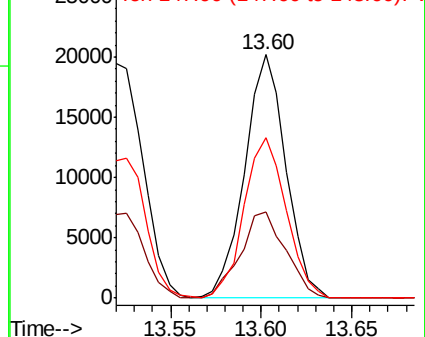
146 100

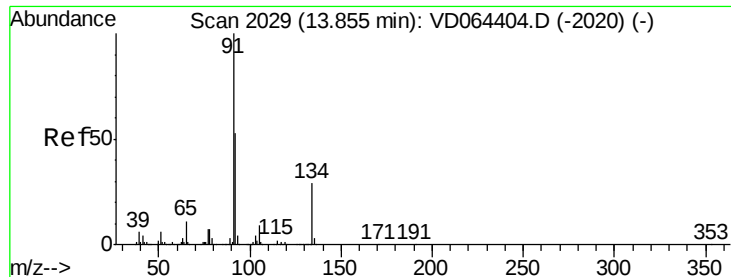
111 38.6 18.2 54.6

148 67.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

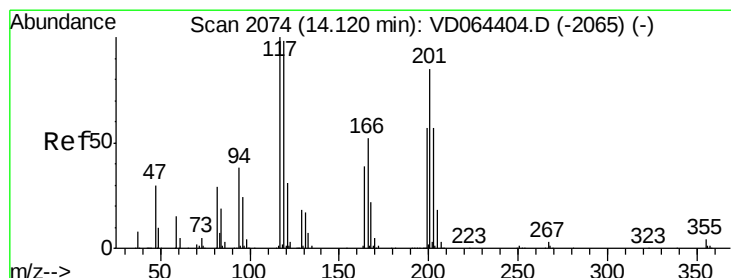
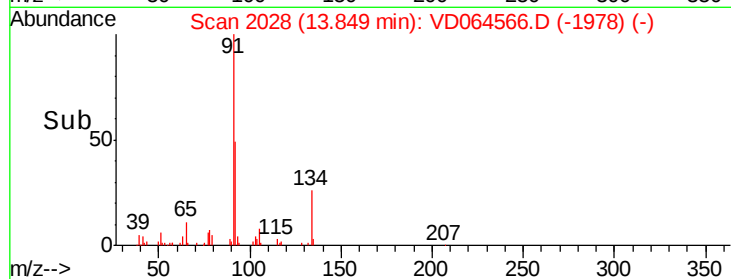
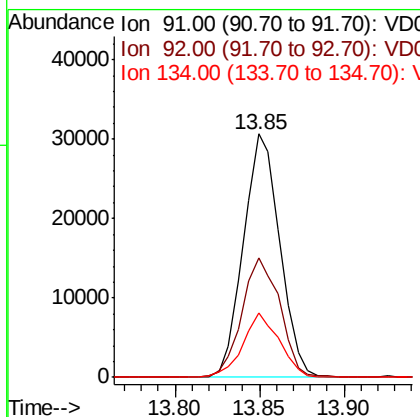
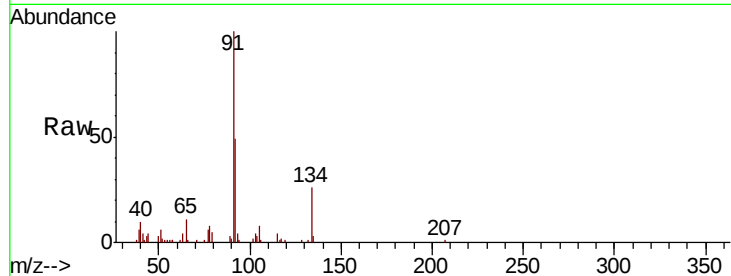




#89
n-Butylbenzene
Concen: 36.064 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

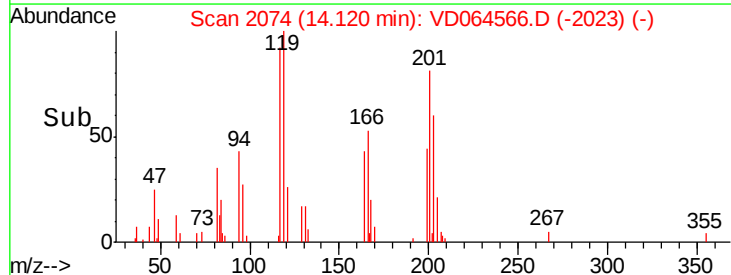
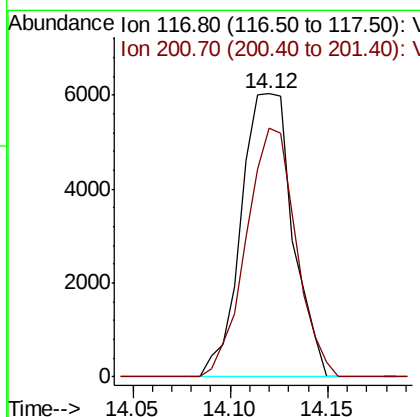
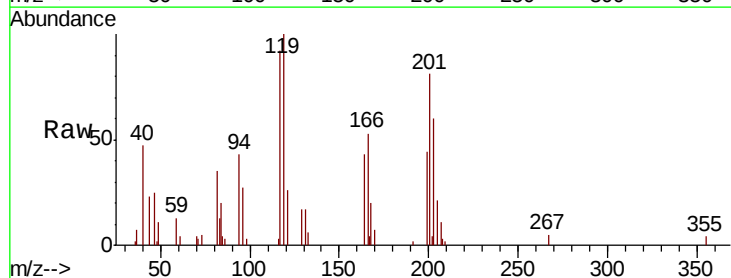
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

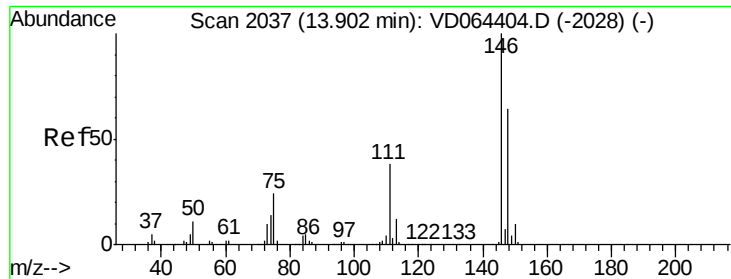
Tot Ion: 91 Resp: 45923
Ion Ratio Lower Upper
91 100
92 51.3 26.5 79.4
134 26.5 13.9 41.7



#90
Hexachloroethane
Concen: 42.182 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 117 Resp: 11063
Ion Ratio Lower Upper
117 100
201 84.6 44.3 132.8

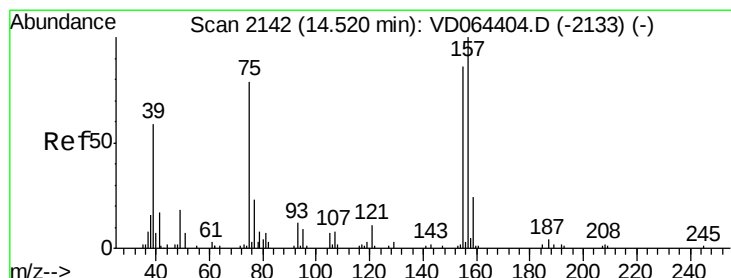
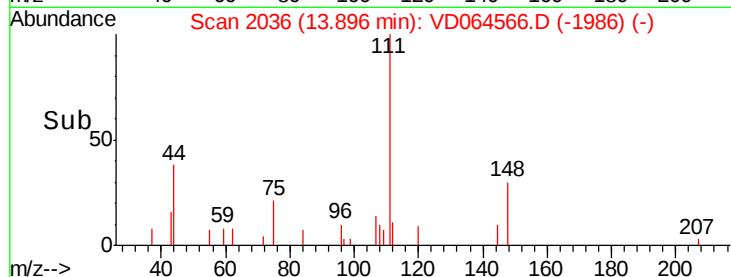
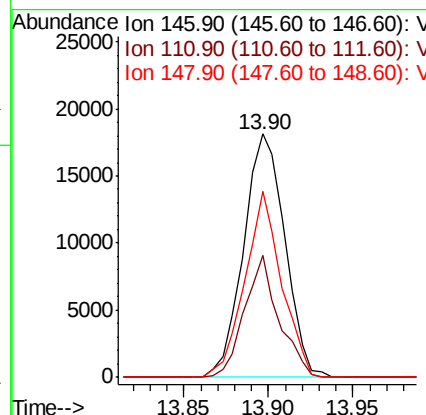
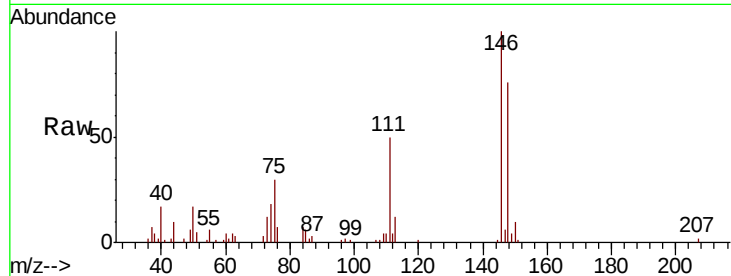




#91
1,2-Dichlorobenzene
Concen: 50.633 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

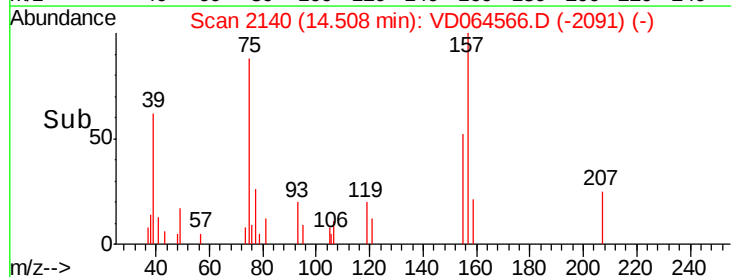
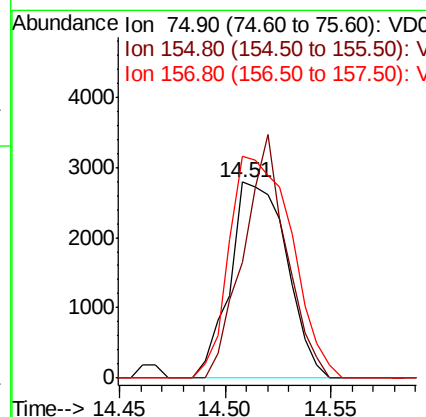
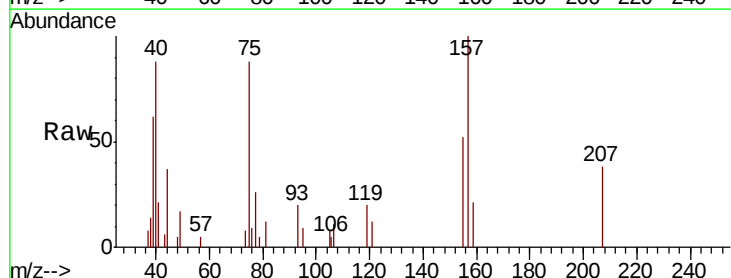
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

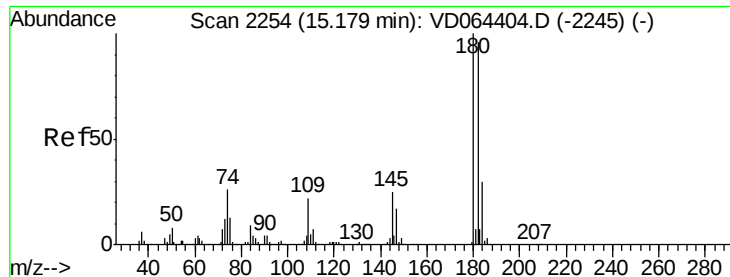
Tot Ion:146 Resp: 30893
Ion Ratio Lower Upper
146 100
111 41.5 19.1 57.3
148 67.8 32.0 96.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 145.985 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 75 Resp: 5178
Ion Ratio Lower Upper
75 100
155 95.0 51.9 155.7
157 125.6 63.2 189.8

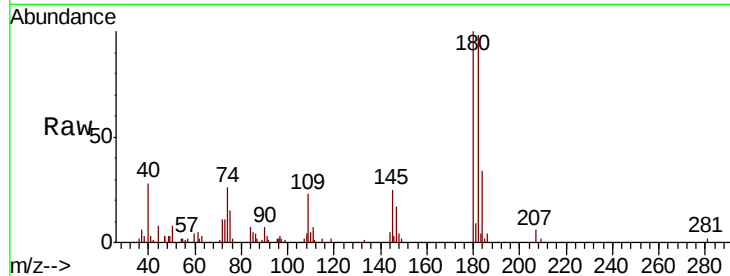




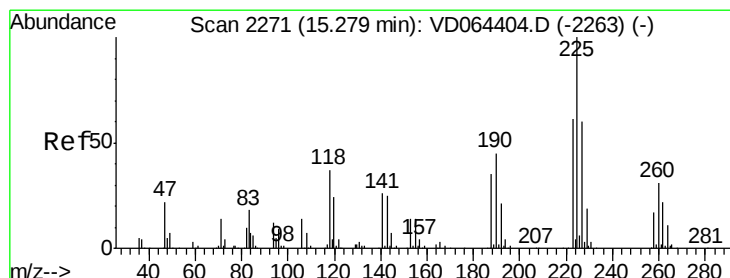
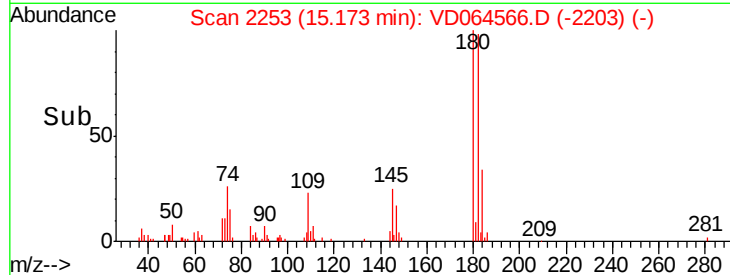
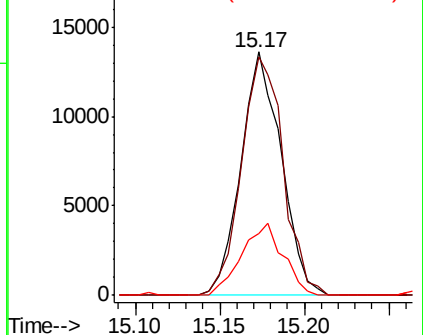
#93
 1,2,4-Trichlorobenzene
 Concen: 48.379 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.4	142.3
145	30.3	14.0	41.9

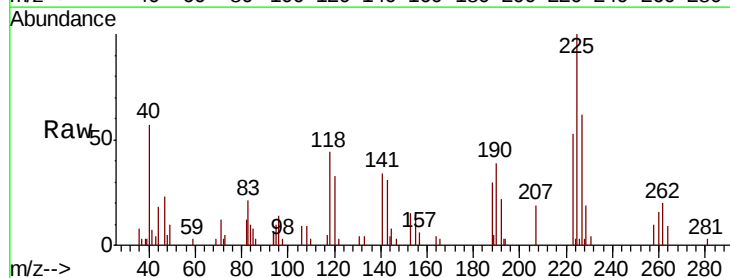


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

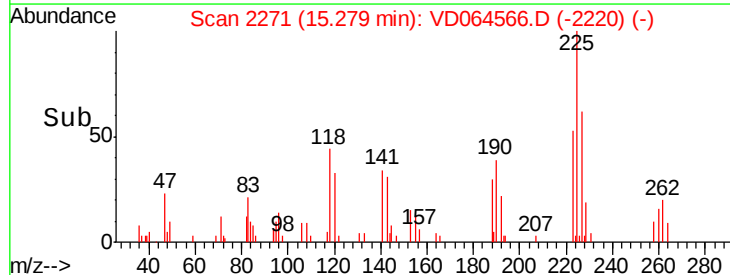
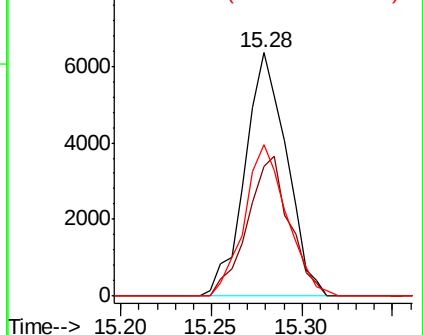


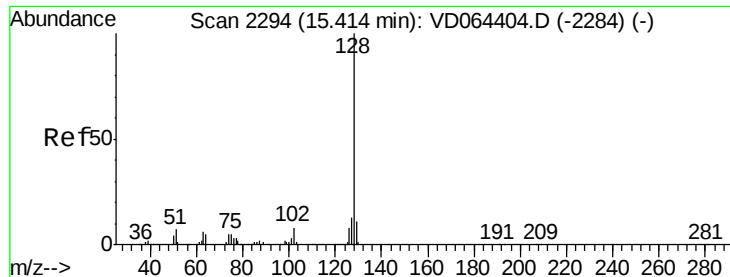
#94
 Hexachlorobutadiene
 Concen: 35.252 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.1	93.3
227	63.3	31.8	95.4



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: 82.973 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

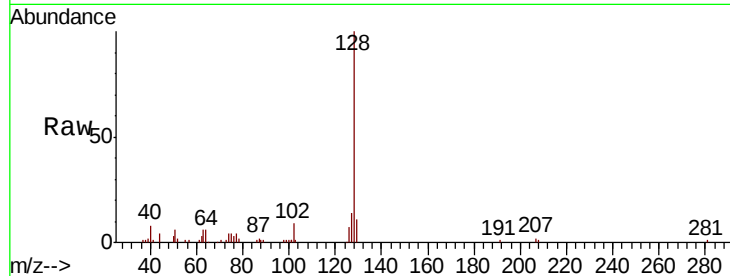
Tot Ion:128 Resp: 64704

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

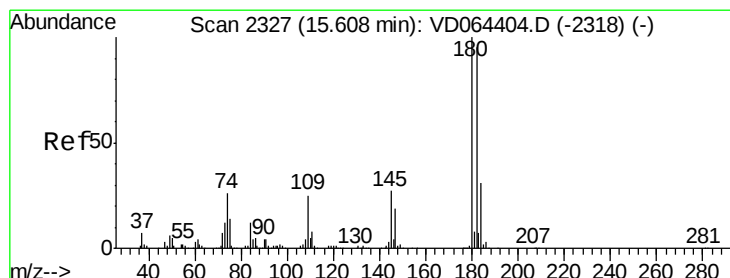
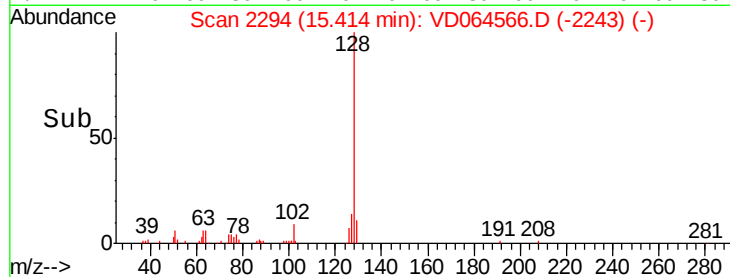
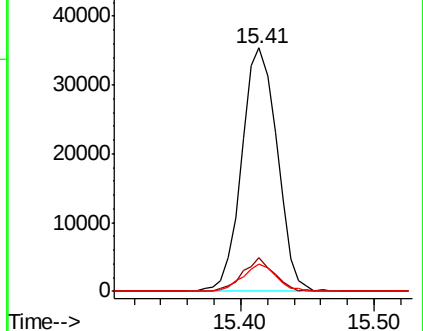
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.523 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

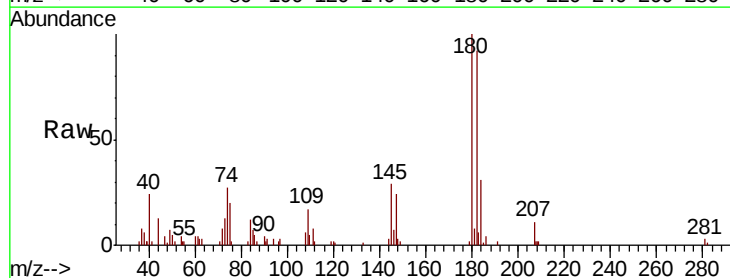
Tgt Ion:180 Resp: 22944

Ion Ratio Lower Upper

180 100

182 91.5 47.6 142.9

145 29.0 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

