

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064405.D
 Acq On : 27 Nov 2019 19:46
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 06:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	499123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	723417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	627628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	430083	105.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.44%	
35) Dibromofluoromethane	7.92	113	438357	105.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.38%	
50) Toluene-d8	10.34	98	1684056	108.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.24%	
62) 4-Bromofluorobenzene	12.64	95	528732	99.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	413370	99.629	ug/l	99
3) Chloromethane	2.21	50	503037	109.356	ug/l	100
4) Vinyl Chloride	2.35	62	631877	126.174	ug/l	100
5) Bromomethane	2.76	94	448554	138.571	ug/l	96
6) Chloroethane	2.91	64	417007	129.243	ug/l	98
7) Trichlorofluoromethane	3.27	101	1020858	125.018	ug/l	98
8) Diethyl Ether	3.70	74	206404	96.958	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	436153	98.627	ug/l	98
10) Methyl Iodide	4.29	142	569835	128.667	ug/l	99
11) Tert butyl alcohol	5.26	59	124775	437.458	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	420327	99.828	ug/l	99
13) Acrolein	3.92	56	168020	655.568	ug/l	100
14) Allyl chloride	4.71	41	671828	92.251	ug/l	99
15) Acrylonitrile	5.43	53	444128	486.639	ug/l	98
16) Acetone	4.16	43	383385	400.120	ug/l	94
17) Carbon Disulfide	4.40	76	1352379	102.750	ug/l	98
18) Methyl Acetate	4.73	43	227106	84.254	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	948720	94.676	ug/l	100
20) Methylene Chloride	4.96	84	444556	90.001	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	479244	100.277	ug/l	99
22) Diisopropyl ether	6.37	45	1291912	94.223	ug/l	97
23) Vinyl Acetate	6.31	43	3912055	507.704	ug/l	99
24) 1,1-Dichloroethane	6.26	63	787916	98.527	ug/l	97
25) 2-Butanone	7.22	43	564175	448.675	ug/l	100
26) 2,2-Dichloropropane	7.21	77	684070	88.939	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	524151	101.783	ug/l	99
28) Bromochloromethane	7.55	49	278426	100.171	ug/l	98
29) Tetrahydrofuran	7.57	42	357754	471.743	ug/l	99
30) Chloroform	7.71	83	815200	99.348	ug/l	99
31) Cyclohexane	7.98	56	721765	89.941	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	761632	97.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	650146	98.091	ug/l	99
37) Ethyl Acetate	7.30	43	260281	92.233	ug/l	99
38) Carbon Tetrachloride	8.10	117	705359	99.072	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	804015	95.322	ug/l	100
40) Benzene	8.35	78	1827939	100.159	ug/l	98
41) Methacrylonitrile	7.53	41	149604	84.638	ug/l	91
42) 1,2-Dichloroethane	8.43	62	516560	94.607	ug/l	99
43) Isopropyl Acetate	8.46	43	519043	89.934	ug/l	99
44) Trichloroethene	9.11	130	535417	98.036	ug/l	98
45) 1,2-Dichloropropane	9.39	63	426733	95.864	ug/l	98
46) Dibromomethane	9.48	93	238038	99.153	ug/l	98
47) Bromodichloromethane	9.67	83	626256	97.444	ug/l	100
48) Methyl methacrylate	9.46	41	239245	85.443	ug/l	96
49) 1,4-Dioxane	9.47	88	55535	1923.456	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	1282422	460.965	ug/l	100
52) Toluene	10.41	92	1203735	100.533	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	602967	94.436	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	711143	95.268	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	324200	99.751	ug/l	97
56) Ethyl methacrylate	10.67	69	420826	93.497	ug/l	98
57) 1,3-Dichloropropane	10.95	76	553099	97.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	771836	430.406	ug/l	100
59) 2-Hexanone	10.99	43	878541	446.592	ug/l	99
60) Dibromochloromethane	11.14	129	444664	98.140	ug/l	99
61) 1,2-Dibromoethane	11.25	107	319818	98.204	ug/l	99
64) Tetrachloroethene	10.88	164	466380	97.348	ug/l	98
65) Chlorobenzene	11.67	112	1257056	98.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	487006	100.629	ug/l	98
67) Ethyl Benzene	11.75	91	2296239	99.873	ug/l	99
68) m/p-Xylenes	11.86	106	1773964	201.423	ug/l	100
69) o-Xylene	12.18	106	816950	100.014	ug/l	100
70) Styrene	12.20	104	1444718	101.482	ug/l	99
71) Bromoform	12.37	173	272122	98.502	ug/l #	100
73) Isopropylbenzene	12.48	105	2221620	96.030	ug/l	99
74) N-amyl acetate	12.30	43	483571	88.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	335487	94.361	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	447902	176.641	ug/l #	100
77) Bromobenzene	12.77	156	534166	94.689	ug/l	99
78) n-propylbenzene	12.83	91	2578074	97.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	1407839	94.619	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1831899	96.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	112758	88.812	ug/l	99
82) 4-Chlorotoluene	13.01	91	1485673	95.497	ug/l	100
83) tert-Butylbenzene	13.23	119	1599336	95.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1841247	98.013	ug/l	99
85) sec-Butylbenzene	13.41	105	2173181	96.518	ug/l	99
86) p-Isopropyltoluene	13.53	119	2109774	98.639	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1045450	99.494	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1004328	98.224	ug/l	99
89) n-Butylbenzene	13.86	91	1880247	97.259	ug/l	99
90) Hexachloroethane	14.12	117	382651	96.494	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	871702	97.758	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	53766	86.223	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 06:39:45 2019
Response via : Initial Calibration

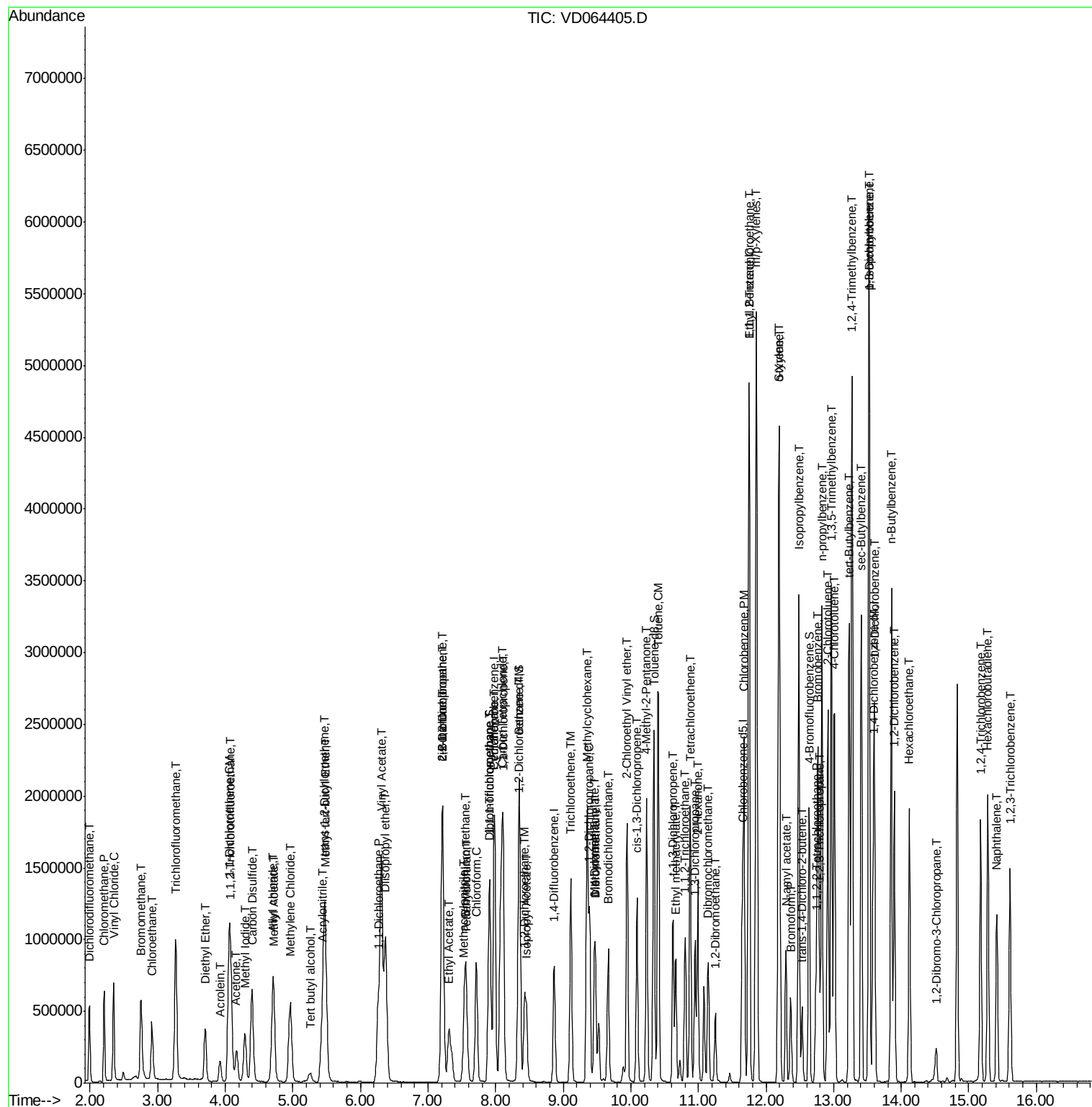
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	659366	96.355	ug/l	100
94) Hexachlorobutadiene	15.28	225	413815	93.976	ug/l	99
95) Naphthalene	15.41	128	1074057	95.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	554659	94.754	ug/l	99

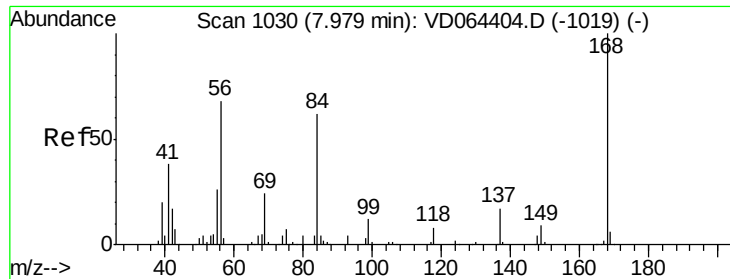
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

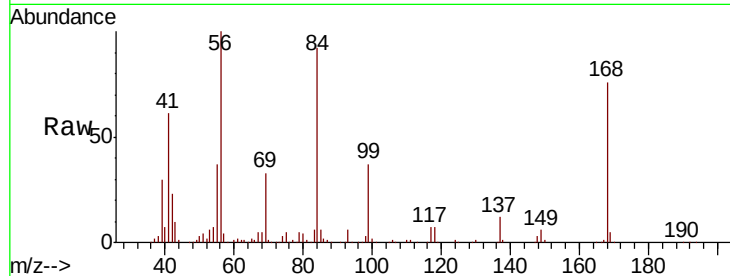
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 499123

Ion Ratio Lower Upper

168 100

99 48.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

100000

50000

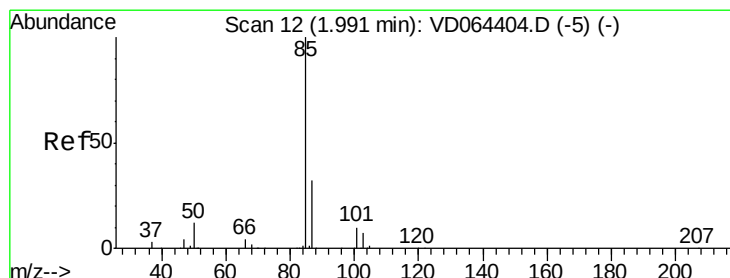
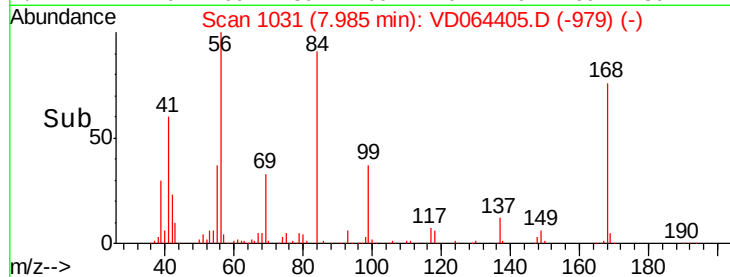
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 99.629 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064405.D

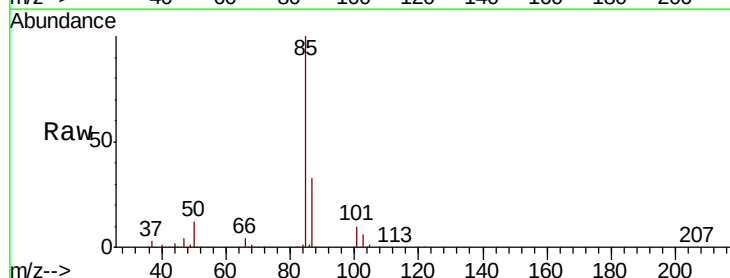
Acq: 27 Nov 2019 19:46

Tgt Ion: 85 Resp: 413370

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300000

200000

100000

0

1.90

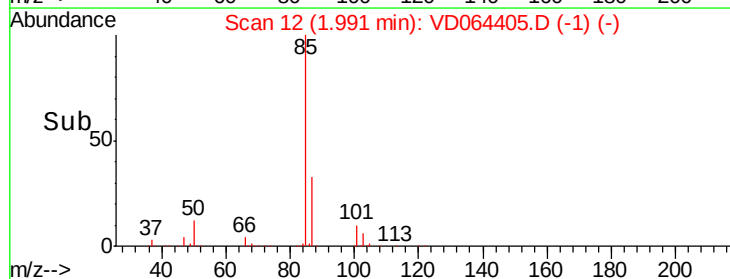
1.95

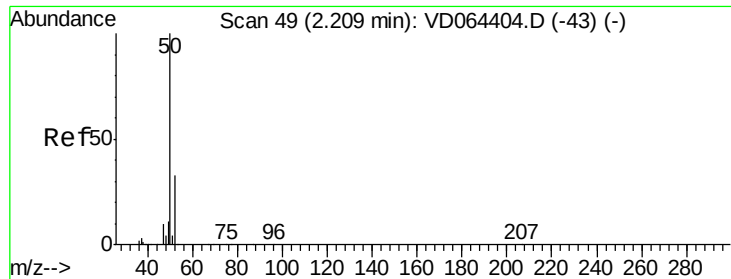
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 109.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

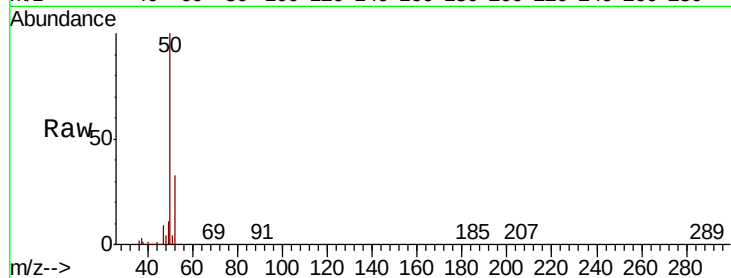
ClientSampleId :

Tot Ion: 50 Resp: 503037

Ion Ratio Lower Upper

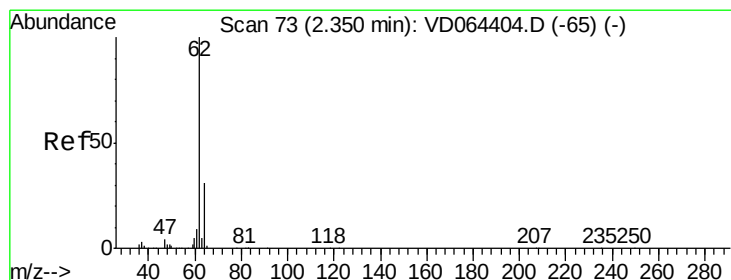
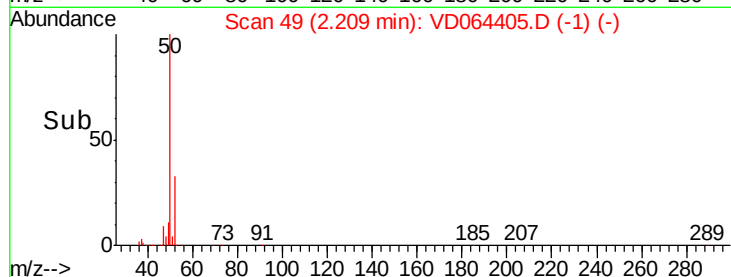
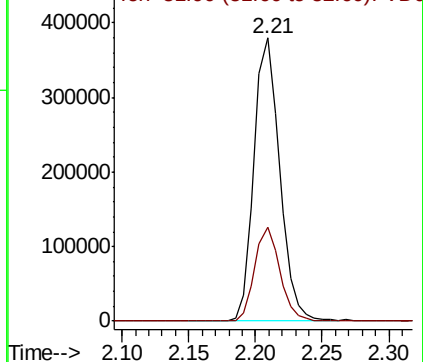
50 100

52 33.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 126.174 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064405.D

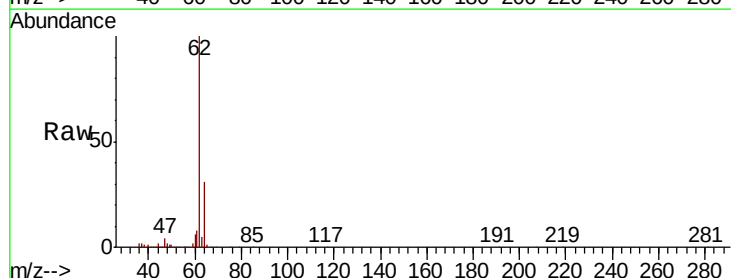
Acq: 27 Nov 2019 19:46

Tgt Ion: 62 Resp: 631877

Ion Ratio Lower Upper

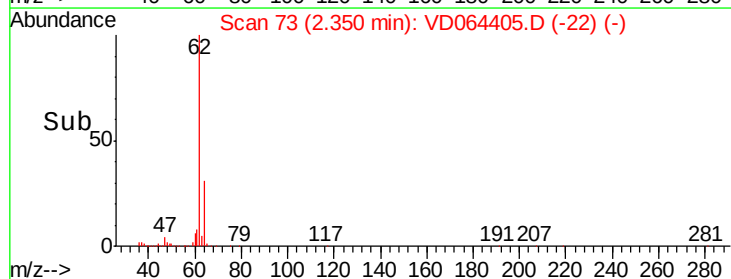
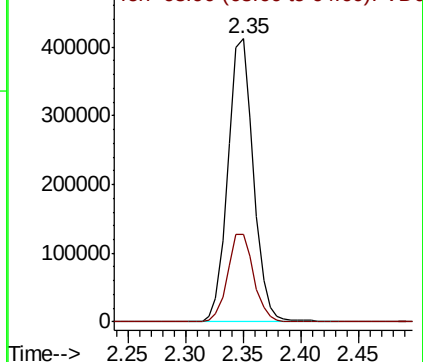
62 100

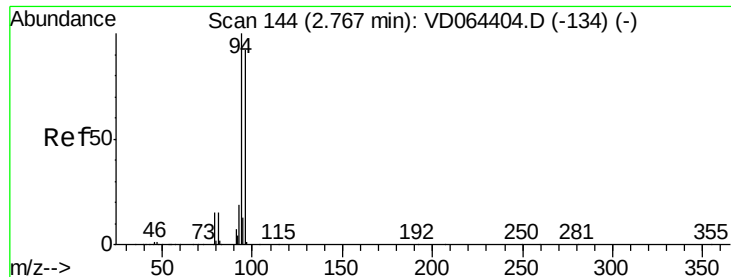
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 138.571 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

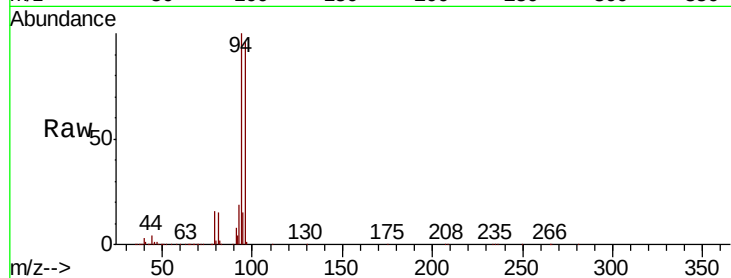
ClientSampleId :

Tot Ion: 94 Resp: 448554

Ion Ratio Lower Upper

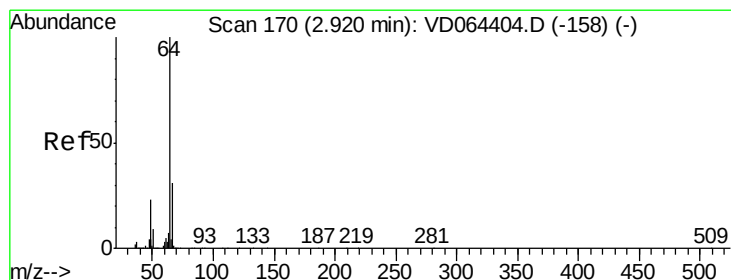
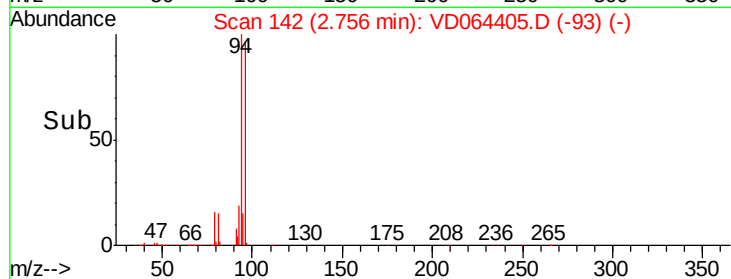
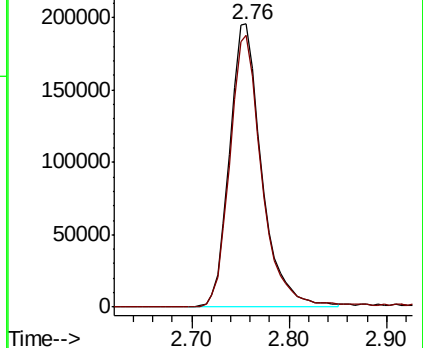
94 100

96 95.8 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: 129.243 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064405.D

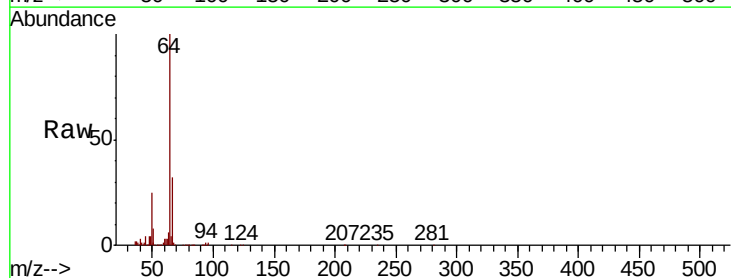
Acq: 27 Nov 2019 19:46

Tgt Ion: 64 Resp: 417007

Ion Ratio Lower Upper

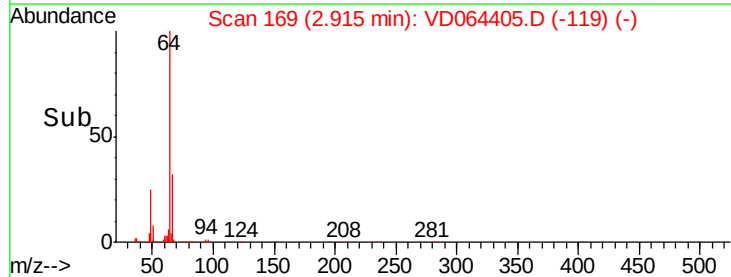
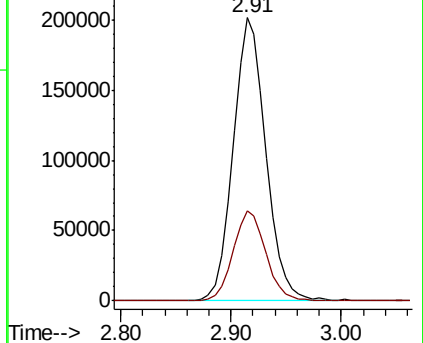
64 100

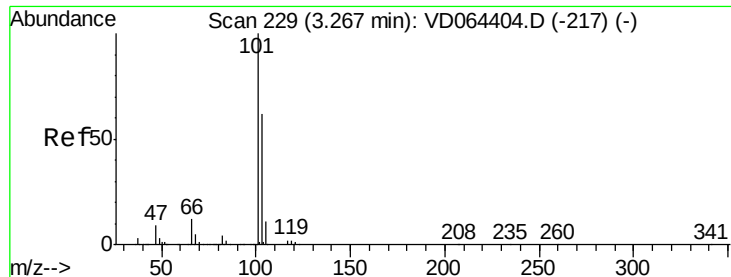
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



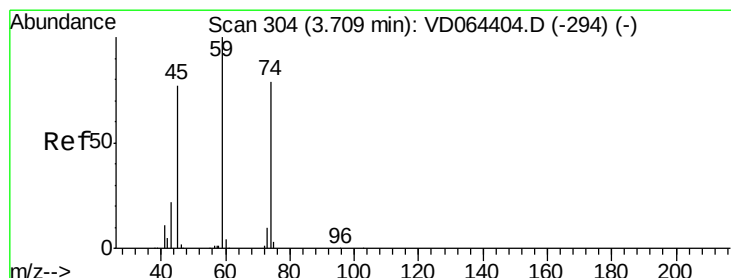
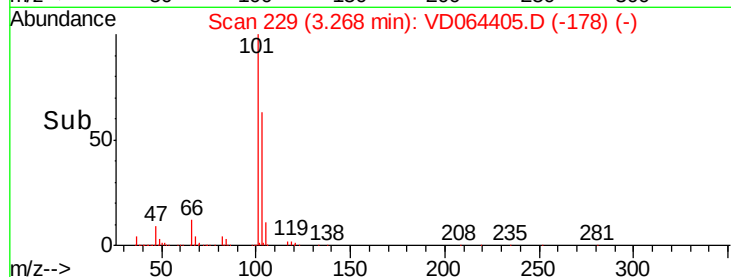
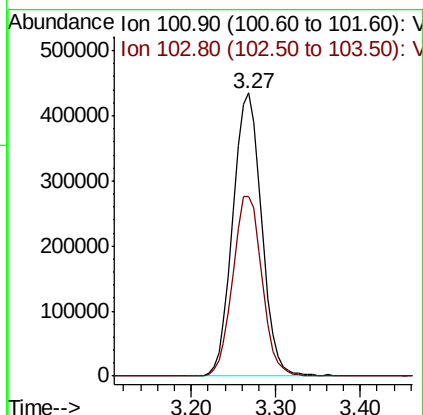
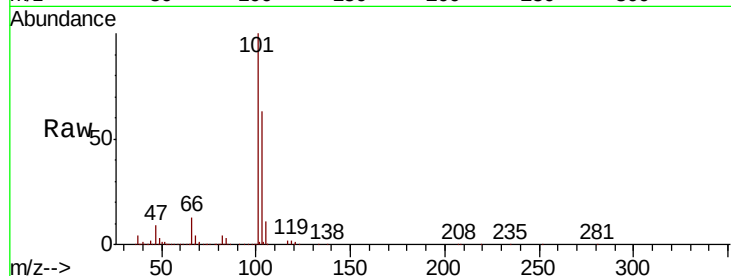


#7

Trichlorofluoromethane
 Concen: 125.018 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :

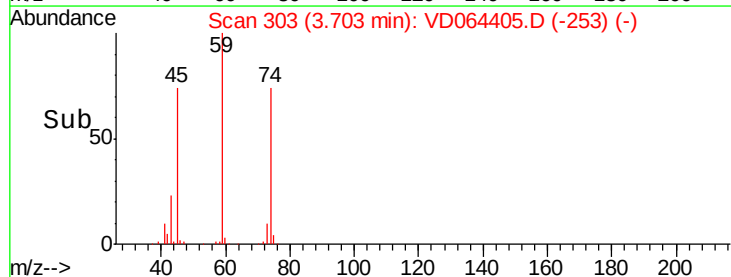
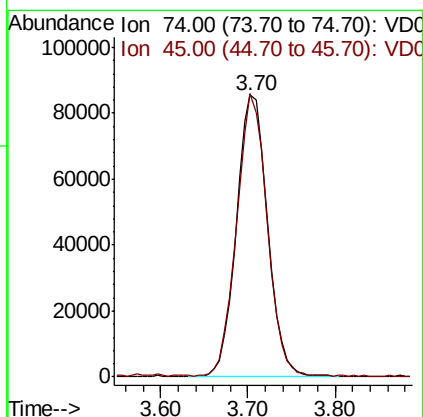
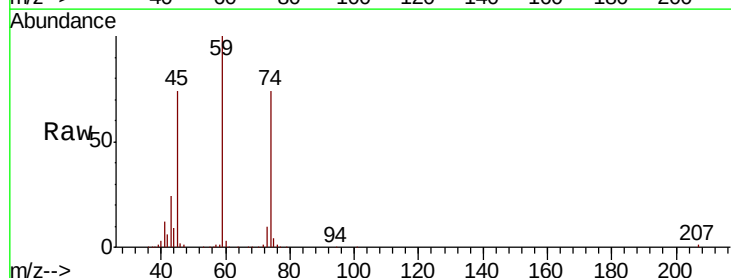
Tot Ion:101 Resp: 1020858
 Ion Ratio Lower Upper
 101 100
 103 63.5 49.8 74.6

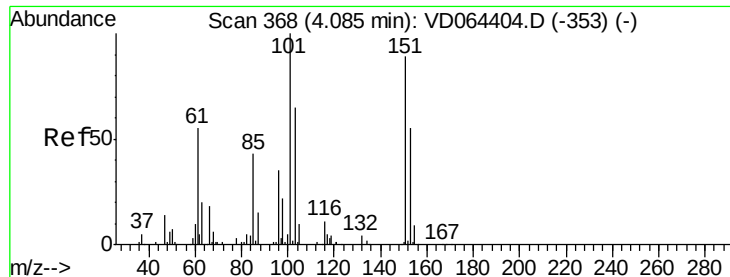


#8

Diethyl Ether
 Concen: 96.958 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 74 Resp: 206404
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.627 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

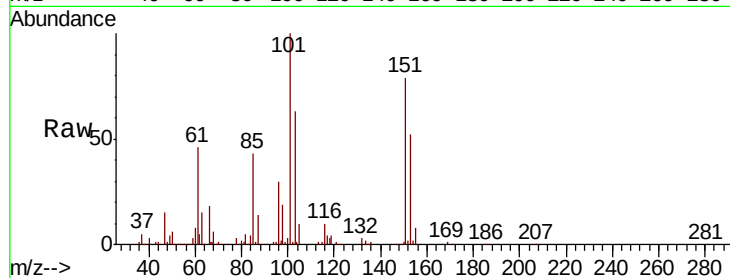
Tot Ion:101 Resp: 436153

Ion Ratio Lower Upper

101 100

85 43.9 34.8 52.2

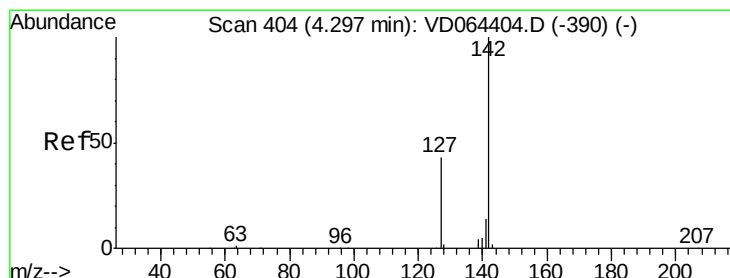
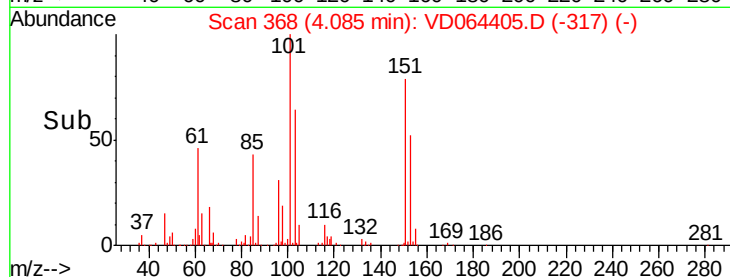
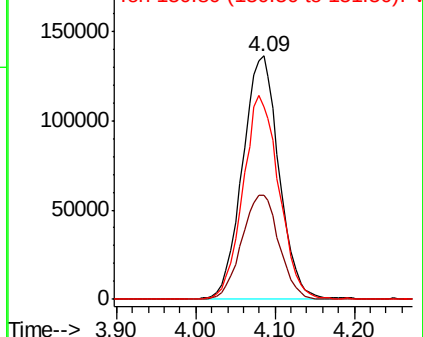
151 82.9 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 128.667 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

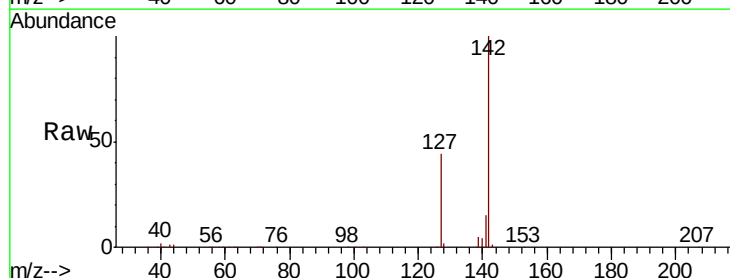
Tgt Ion:142 Resp: 569835

Ion Ratio Lower Upper

142 100

127 43.5 35.3 52.9

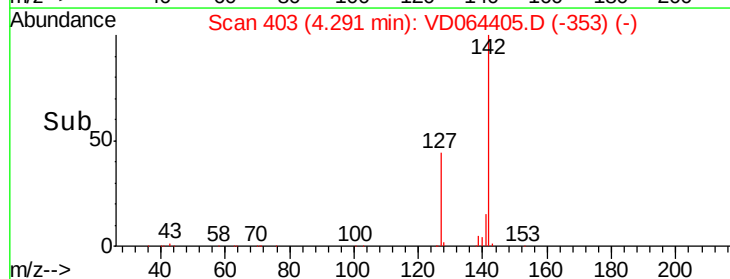
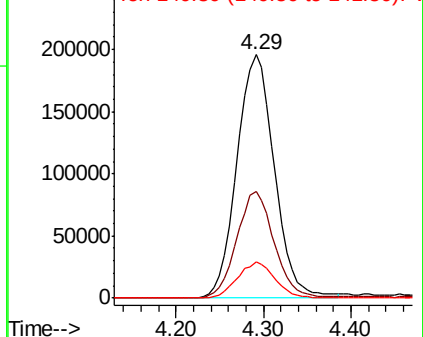
141 14.8 11.6 17.4

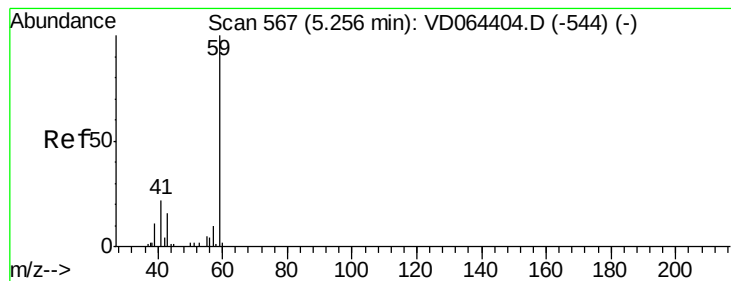


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



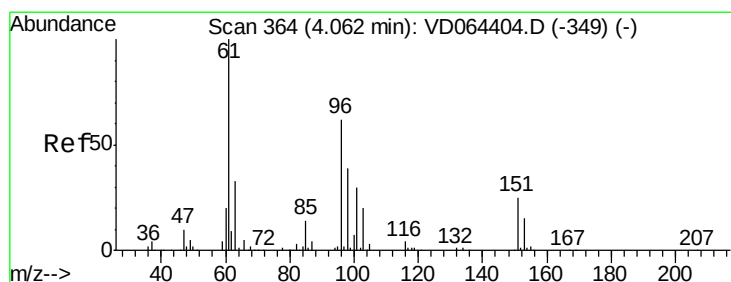
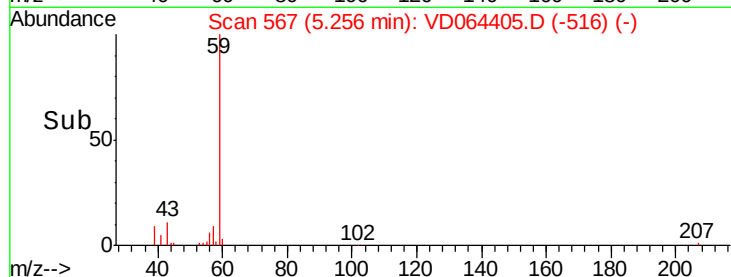
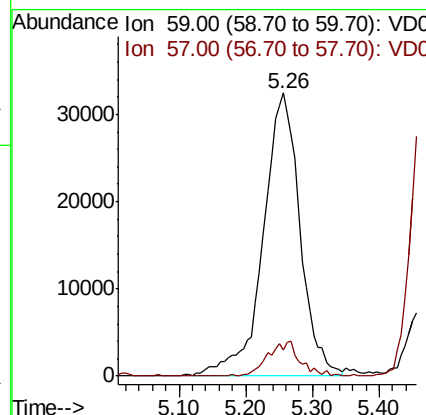
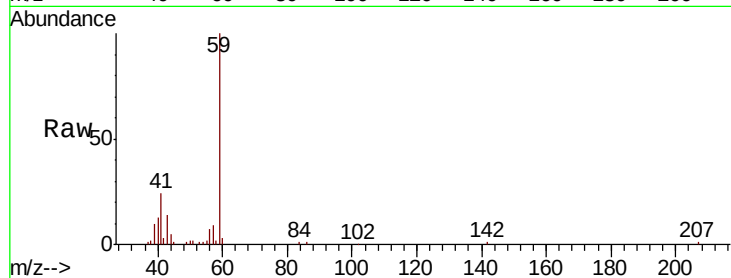


#11

Tert butyl alcohol
Concen: 437.458 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

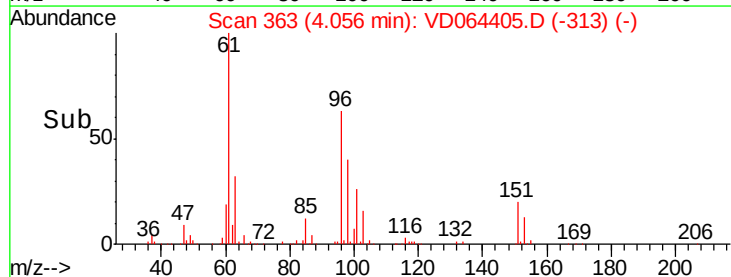
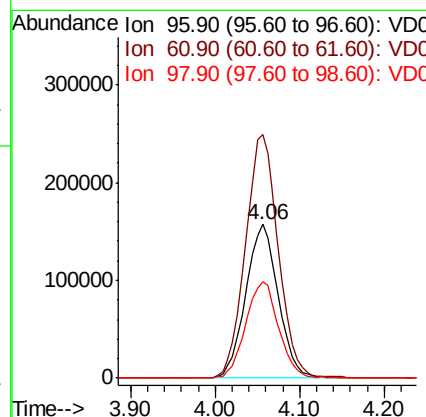
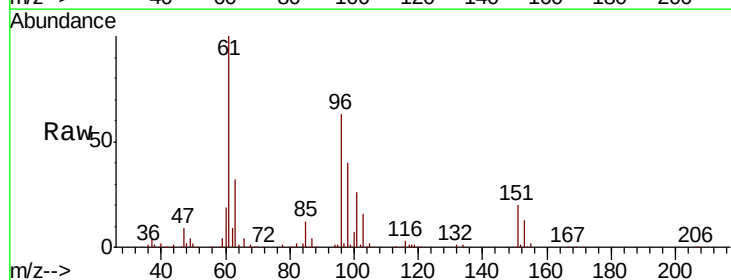
Tot Ion: 59 Resp: 124775
Ion Ratio Lower Upper
59 100
57 10.6 0.0 0.0#

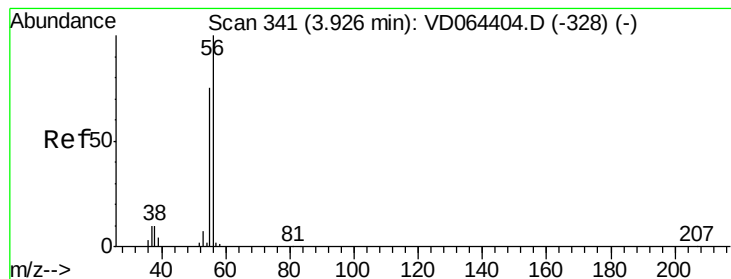


#12

1,1-Dichloroethene
Concen: 99.828 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 96 Resp: 420327
Ion Ratio Lower Upper
96 100
61 158.3 128.2 192.4
98 62.8 50.4 75.6





#13

Acrolein

Concen: 655.568 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

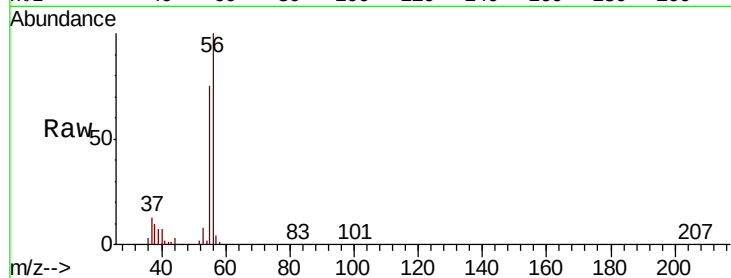
ClientSampleId :

Tot Ion: 56 Resp: 168020

Ion Ratio Lower Upper

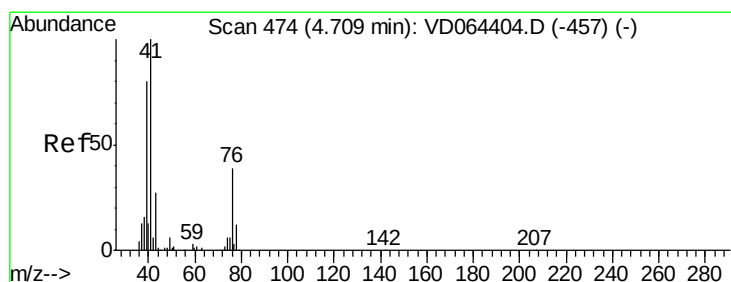
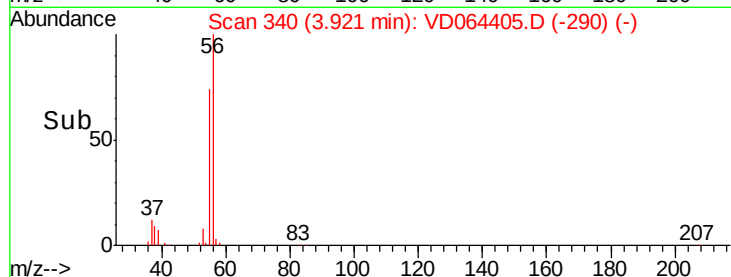
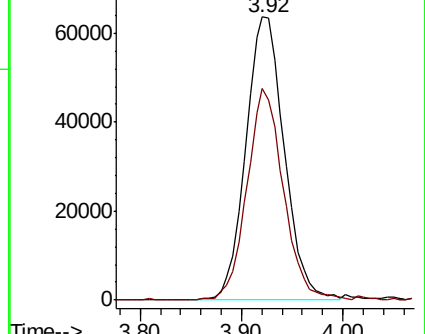
56 100

55 70.9 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 92.251 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

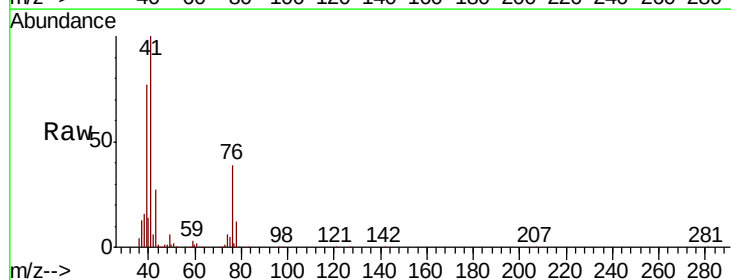
Tgt Ion: 41 Resp: 671828

Ion Ratio Lower Upper

41 100

39 76.1 62.1 93.1

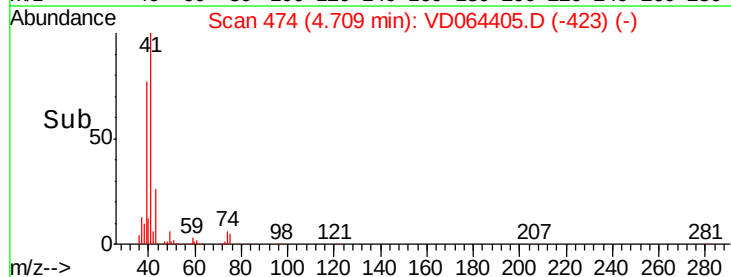
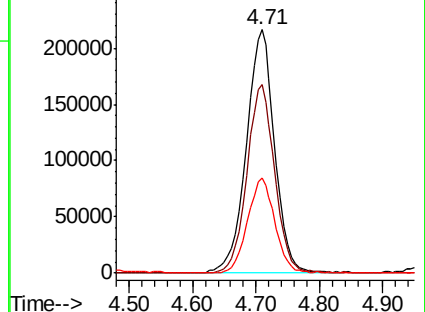
76 37.1 29.8 44.8

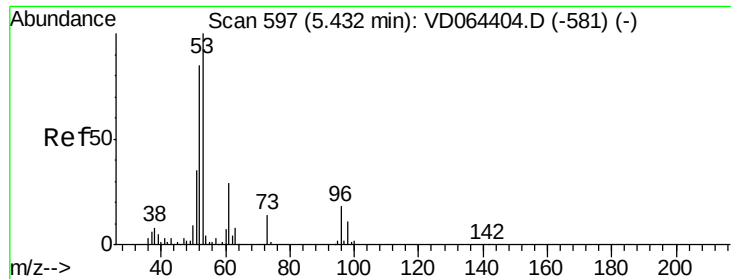


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 486.639 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

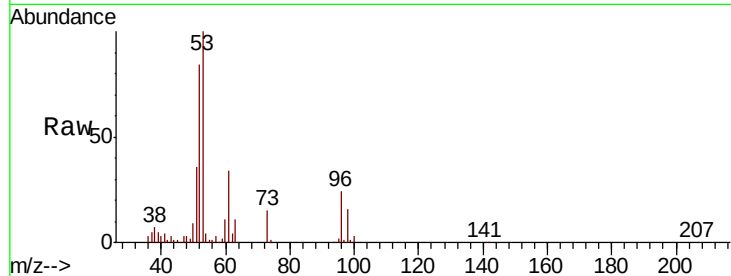
Tot Ion: 53 Resp: 444128

Ion Ratio Lower Upper

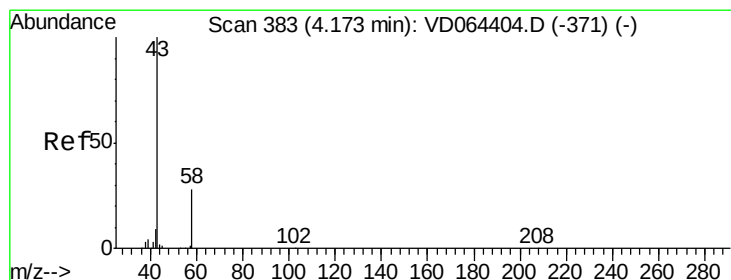
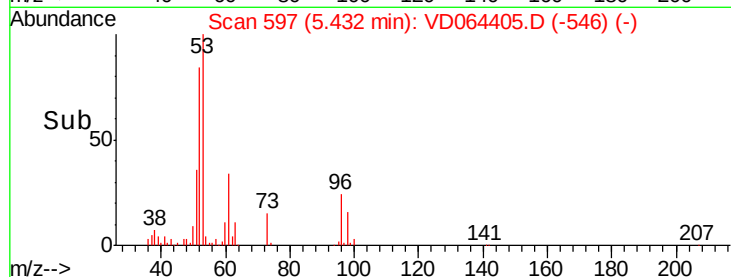
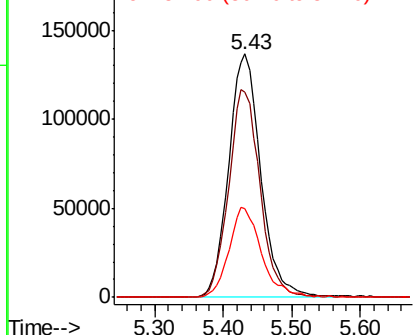
53 100

52 82.8 67.9 101.9

51 37.3 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: 400.120 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064405.D

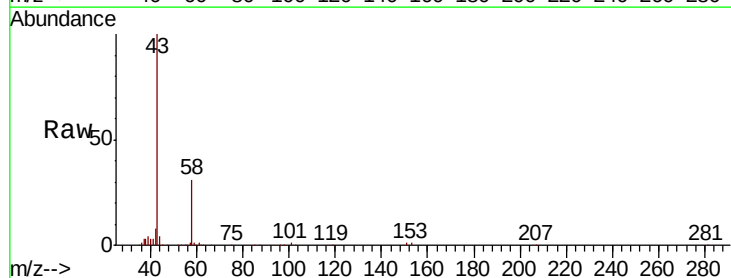
Acq: 27 Nov 2019 19:46

Tgt Ion: 43 Resp: 383385

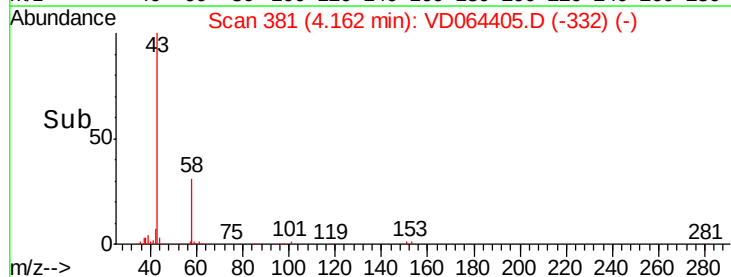
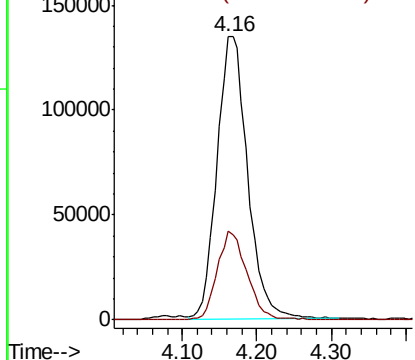
Ion Ratio Lower Upper

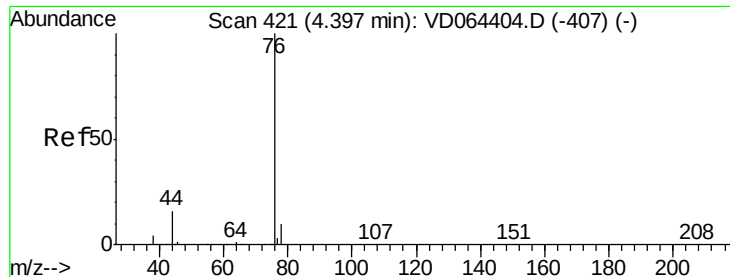
43 100

58 31.3 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: 102.750 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

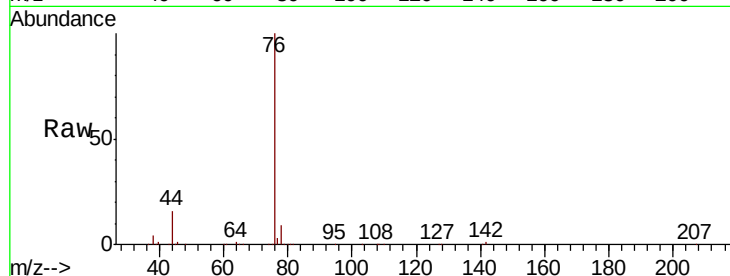
ClientSampleId :

Tot Ion: 76 Resp: 1352379

Ion Ratio Lower Upper

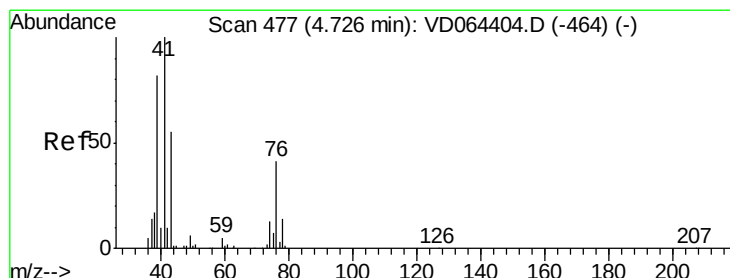
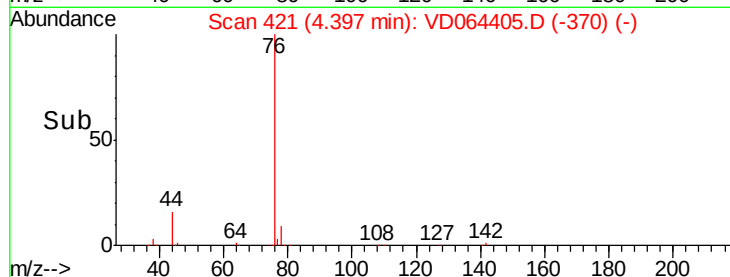
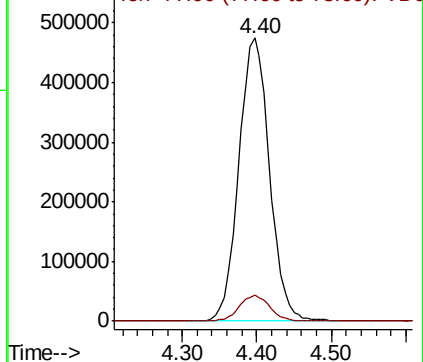
76 100

78 9.1 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 84.254 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064405.D

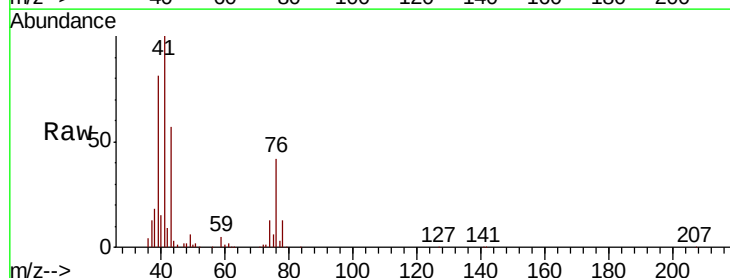
Acq: 27 Nov 2019 19:46

Tgt Ion: 43 Resp: 227106

Ion Ratio Lower Upper

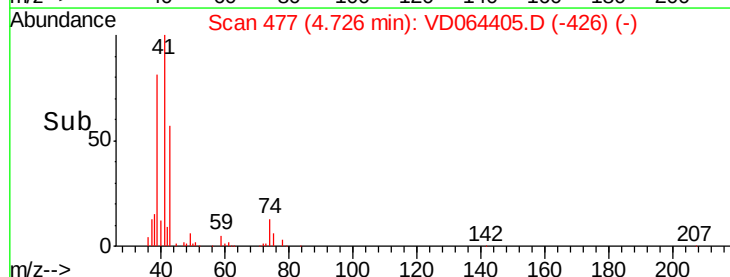
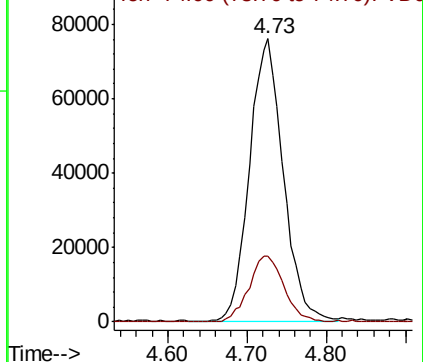
43 100

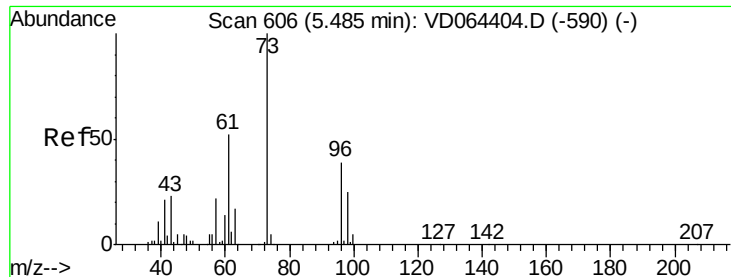
74 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

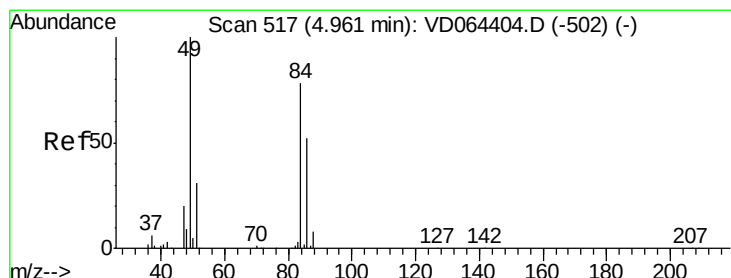
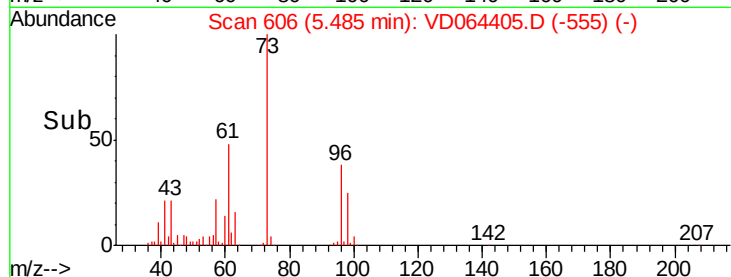
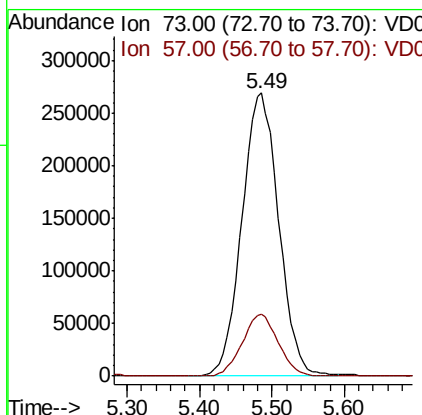
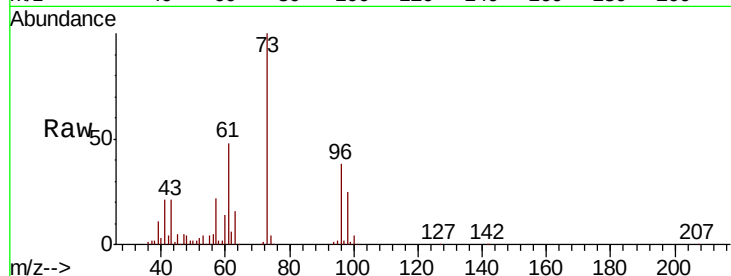




#19
Methyl tert-butyl Ether
Concen: 94.676 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

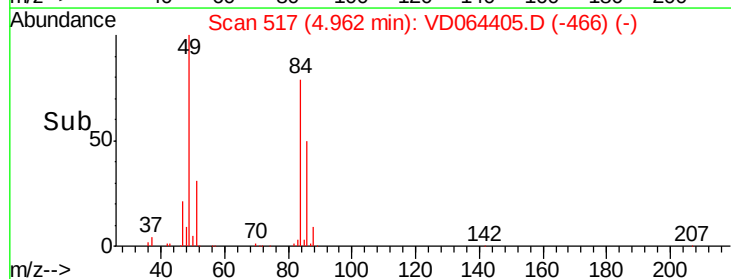
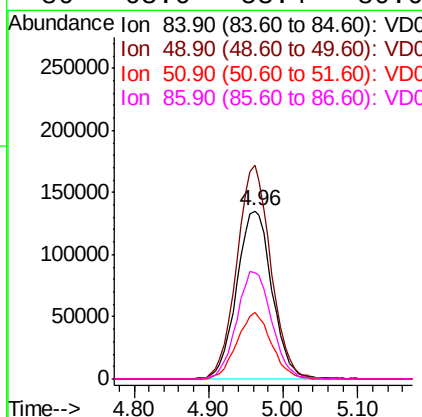
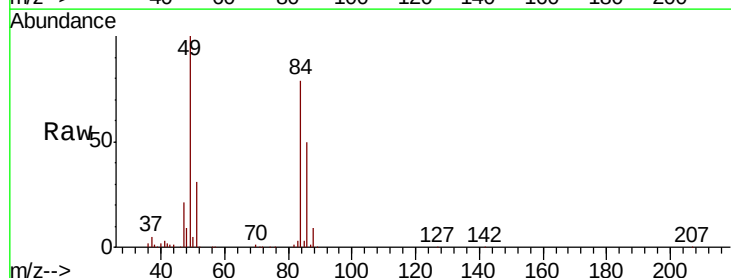
Instrument :
MSVOA_D
ClientSampleId :

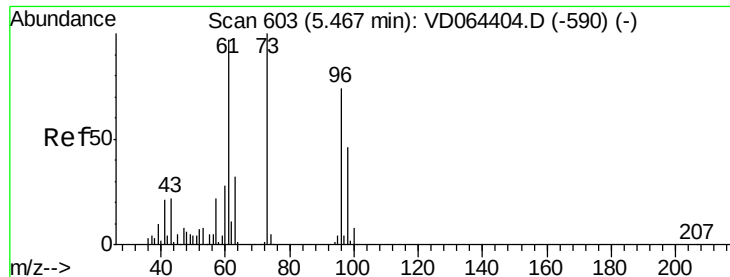
Tot Ion: 73 Resp: 948720
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 90.001 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 84 Resp: 444556
Ion Ratio Lower Upper
84 100
49 127.3 102.6 153.8
51 39.4 32.0 48.0
86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 100.277 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

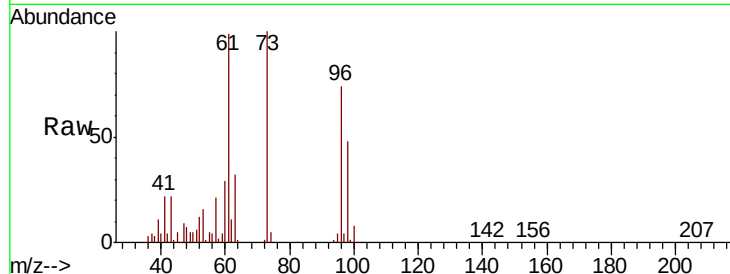
Tot Ion: 96 Resp: 479244

Ion Ratio Lower Upper

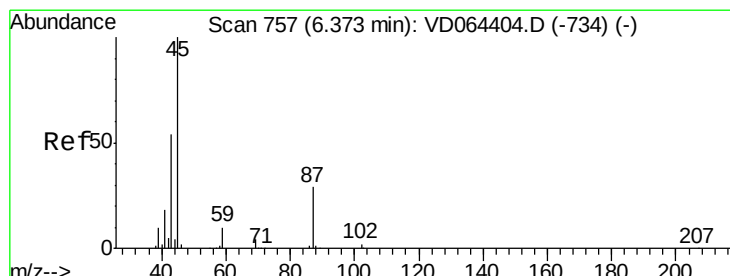
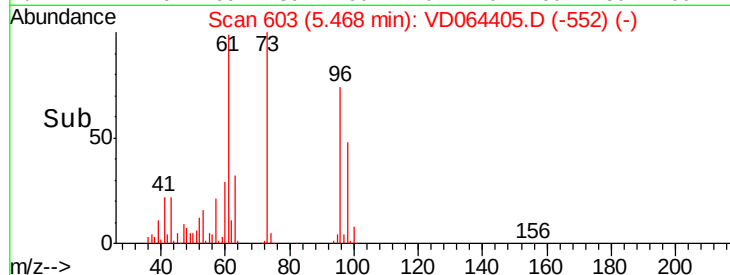
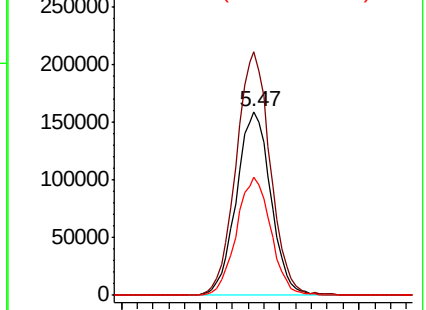
96 100

61 132.4 105.8 158.6

98 64.0 50.1 75.1



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



#22

Diisopropyl ether

Concen: 94.223 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion: 45 Resp: 1291912

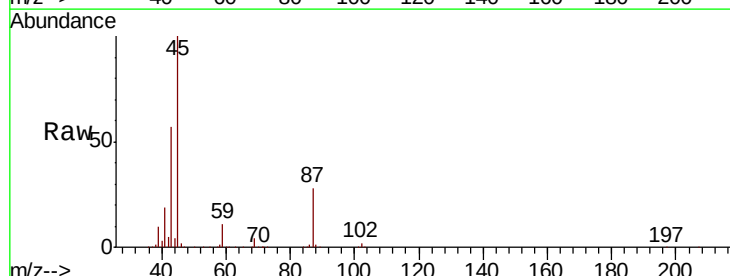
Ion Ratio Lower Upper

45 100

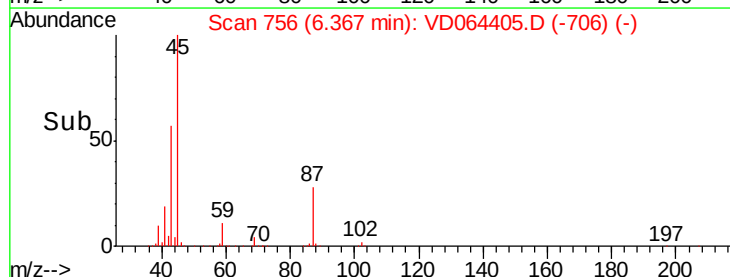
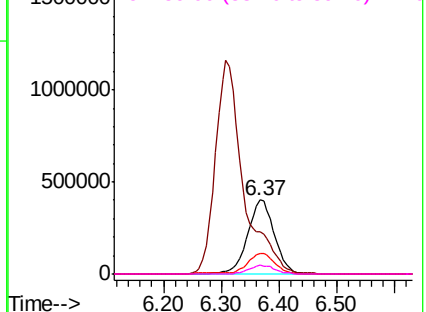
43 56.8 43.1 64.7

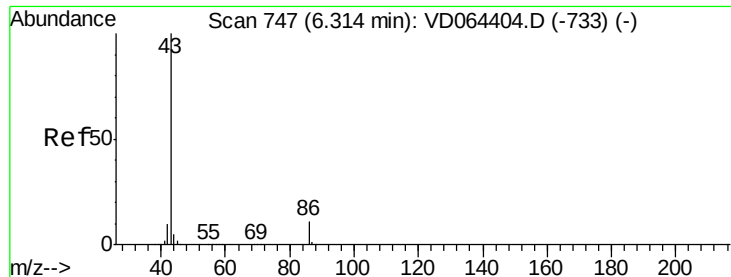
87 28.2 23.5 35.3

59 11.4 8.2 12.2



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





#23

Vinyl Acetate

Concen: 507.704 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

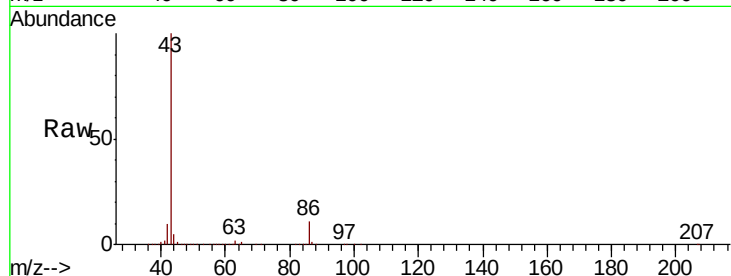
ClientSampled :

Tot Ion: 43 Resp: 3912055

Ion Ratio Lower Upper

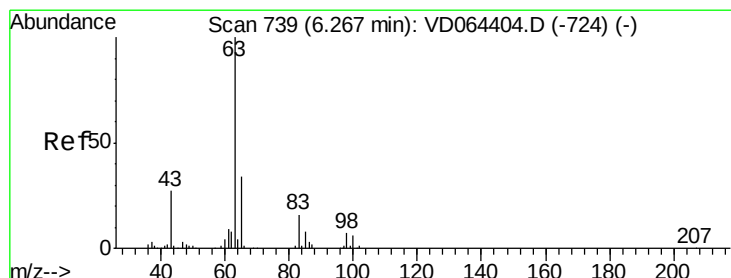
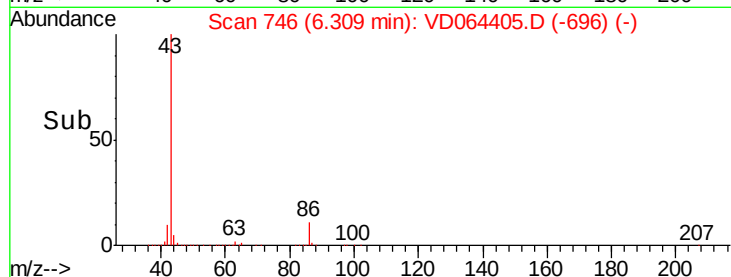
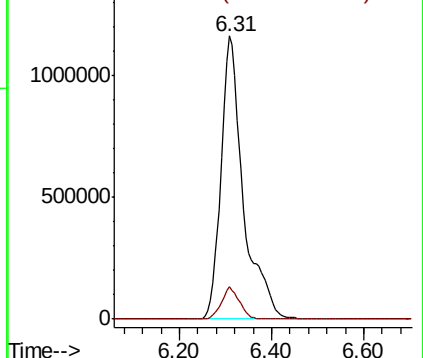
43 100

86 11.4 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: 98.527 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

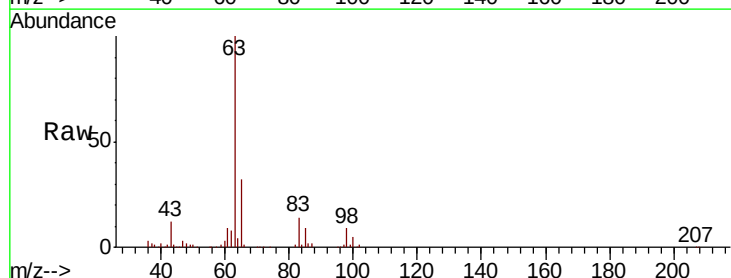
Tgt Ion: 63 Resp: 787916

Ion Ratio Lower Upper

63 100

98 8.5 3.6 10.9

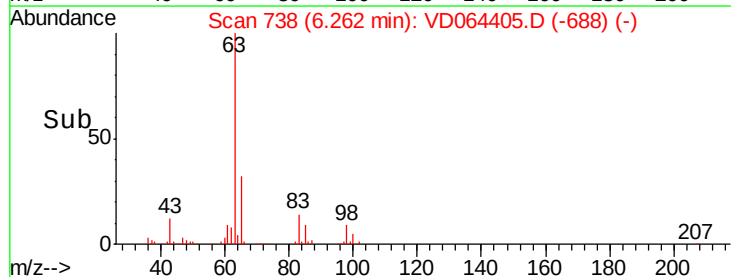
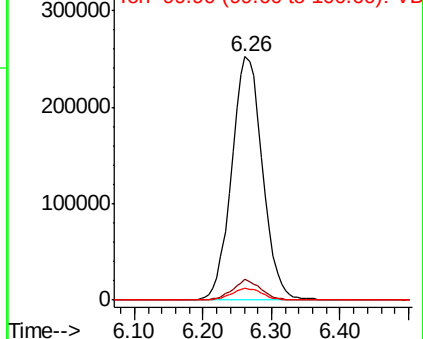
100 4.7 2.9 8.6

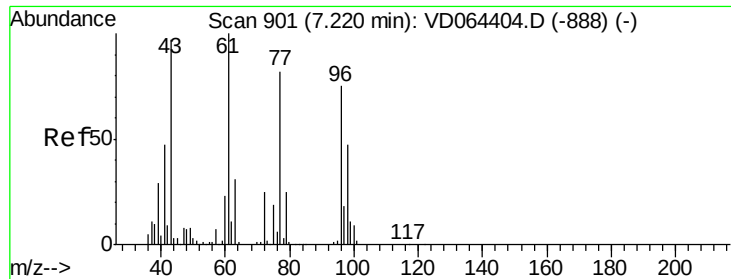


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 448.675 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

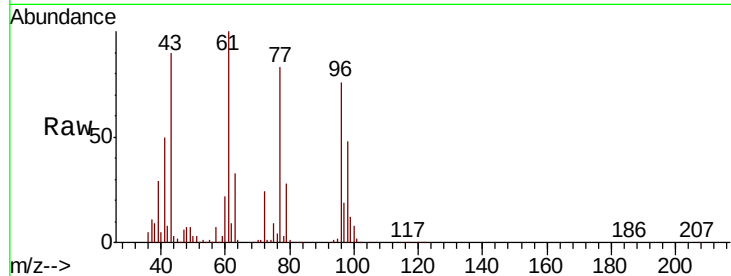
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 564175

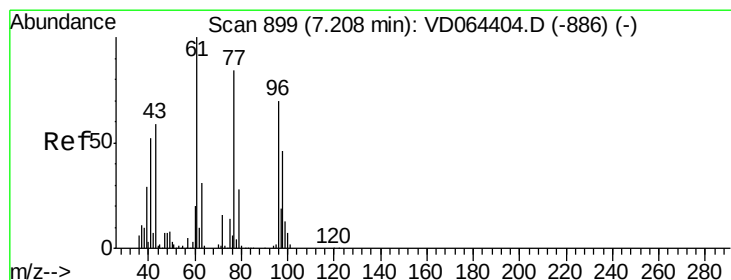
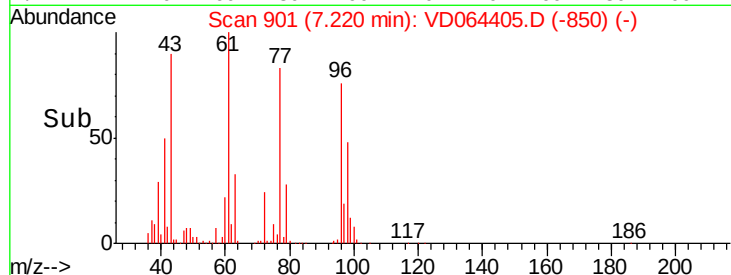
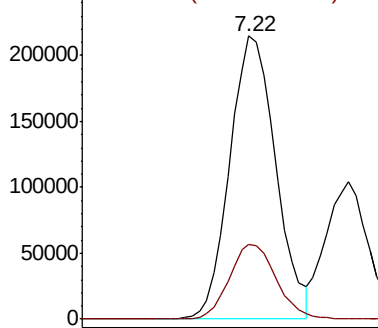
Ion Ratio Lower Upper

43 100

72 26.3 21.0 31.4



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



#26

2,2-Dichloropropane

Concen: 88.939 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064405.D

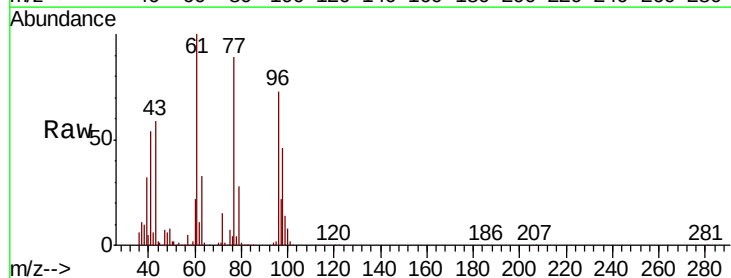
Acq: 27 Nov 2019 19:46

Tgt Ion: 77 Resp: 684070

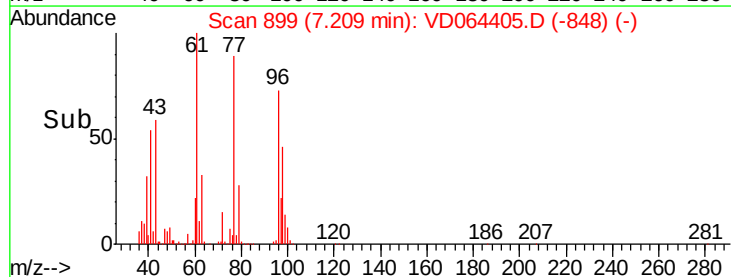
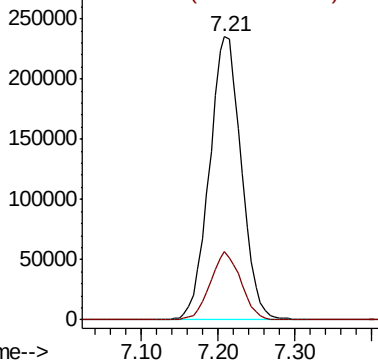
Ion Ratio Lower Upper

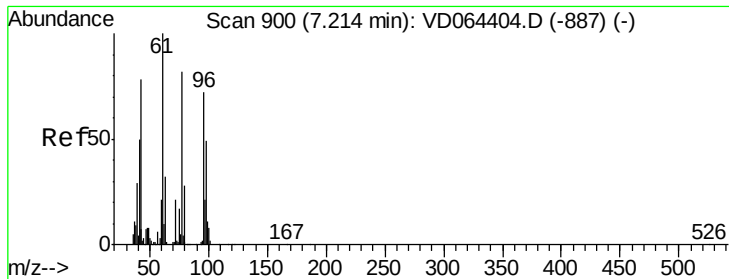
77 100

97 23.1 11.6 34.7



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



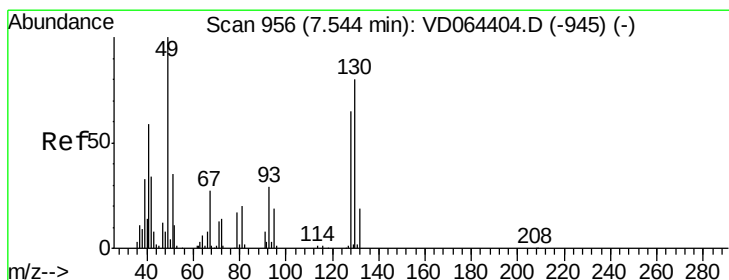
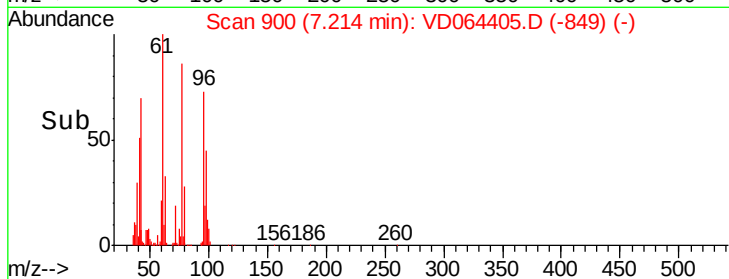
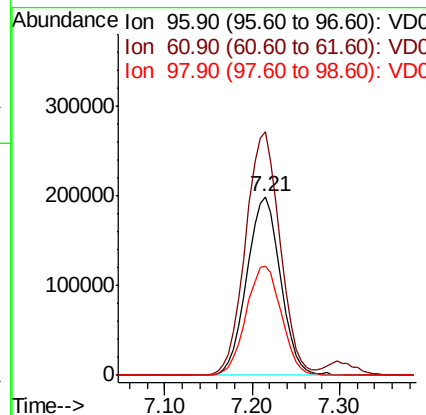
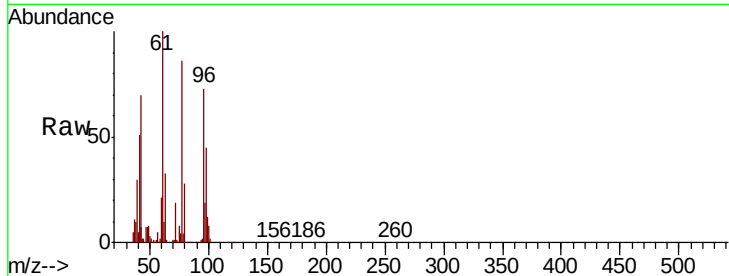


#27

cis-1,2-Dichloroethene
Concen: 101.783 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

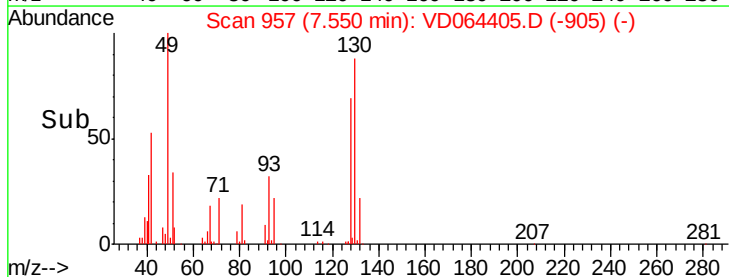
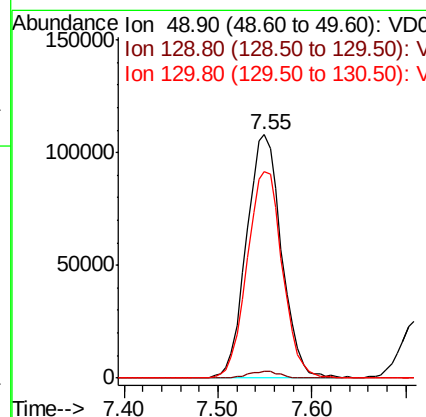
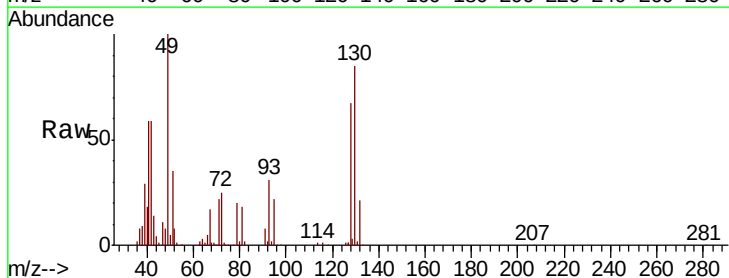
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	279.6
98	64.1	0.0	129.2

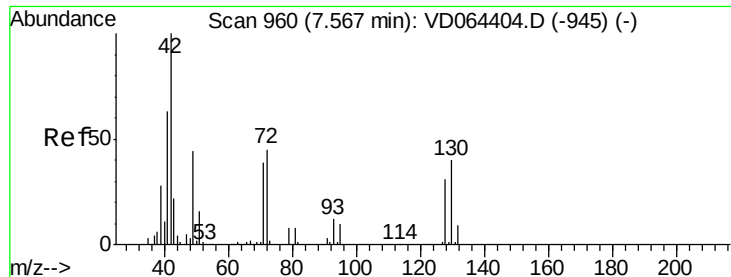


#28

Bromochloromethane
Concen: 100.171 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	85.9	67.4	101.0





#29

Tetrahydrofuran

Concen: 471.743 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

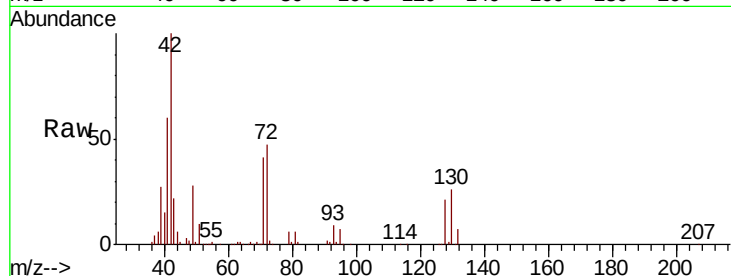
Tot Ion: 42 Resp: 357754

Ion Ratio Lower Upper

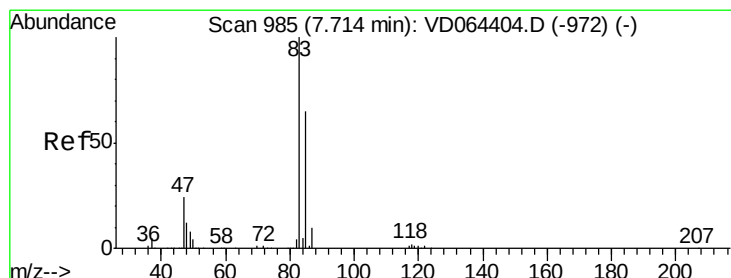
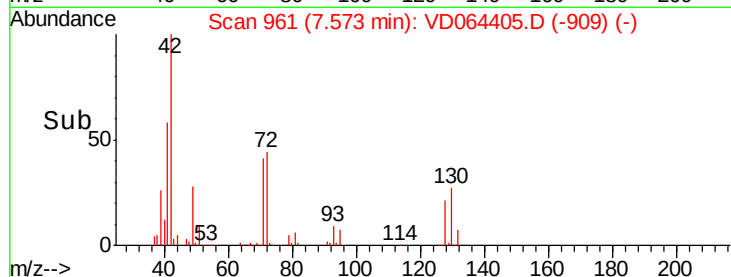
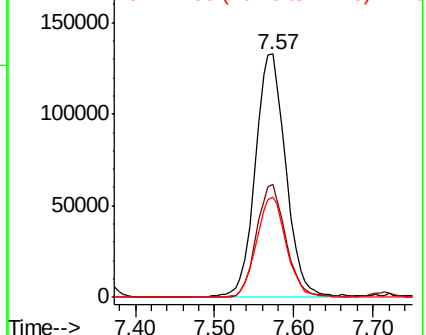
42 100

72 44.5 35.8 53.8

71 40.5 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: 99.348 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064405.D

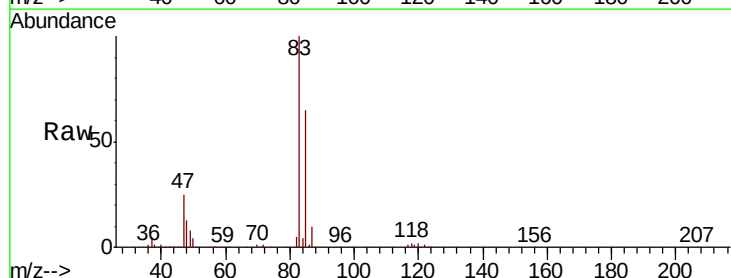
Acq: 27 Nov 2019 19:46

Tgt Ion: 83 Resp: 815200

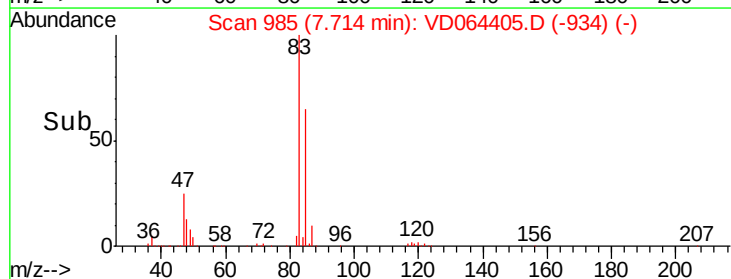
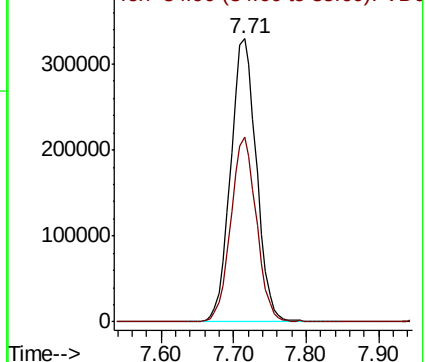
Ion Ratio Lower Upper

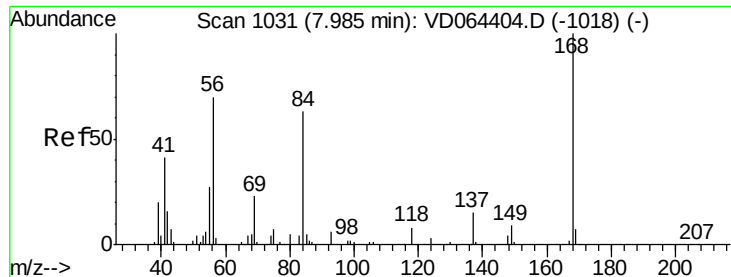
83 100

85 65.3 51.8 77.6



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

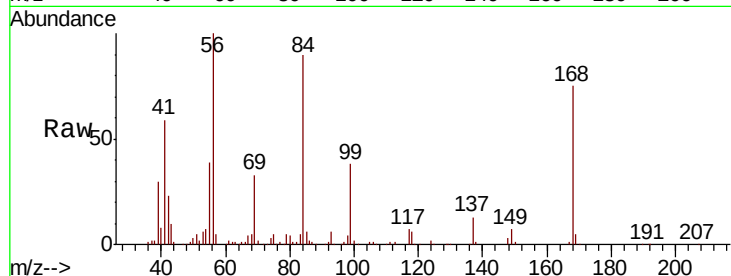




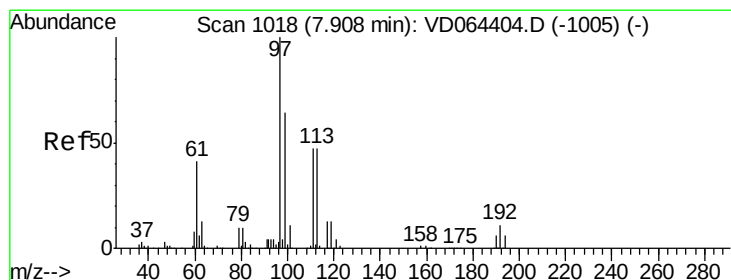
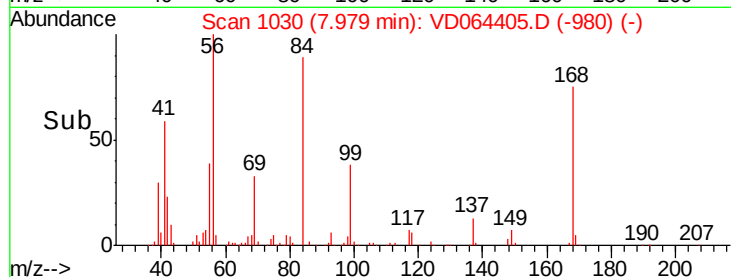
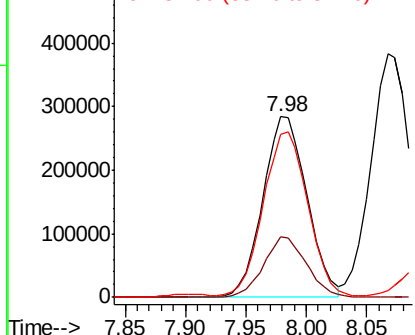
#31
Cyclohexane
Concen: 89.941 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 721765
Ion Ratio Lower Upper
56 100
69 33.4 26.2 39.4
84 88.3 70.3 105.5

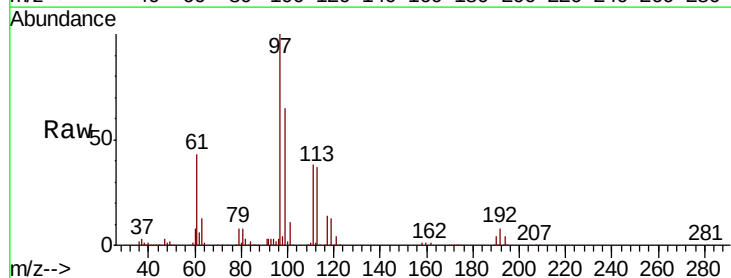


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

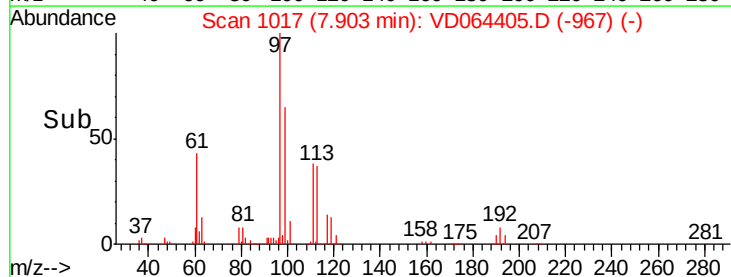
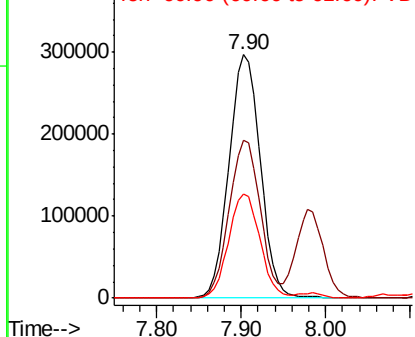


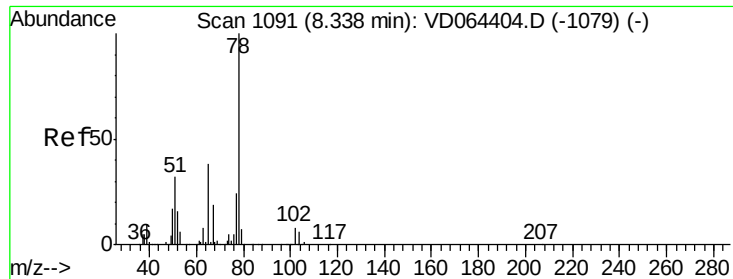
#32
1,1,1-Trichloroethane
Concen: 97.486 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 97 Resp: 761632
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.2
61 42.7 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

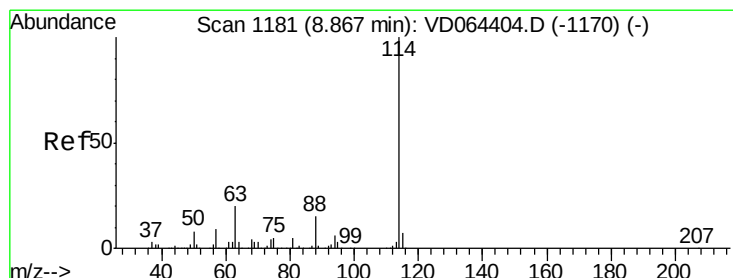
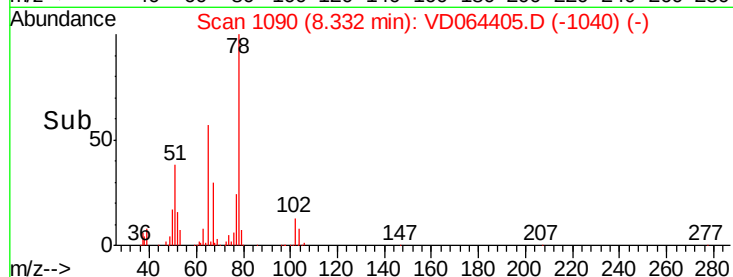
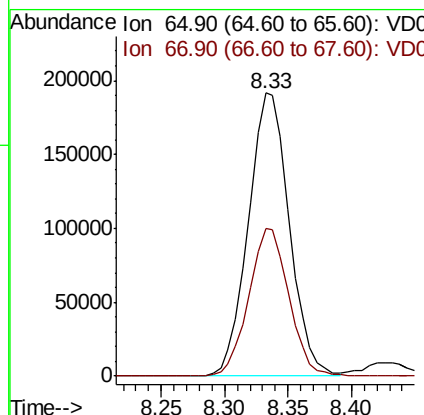
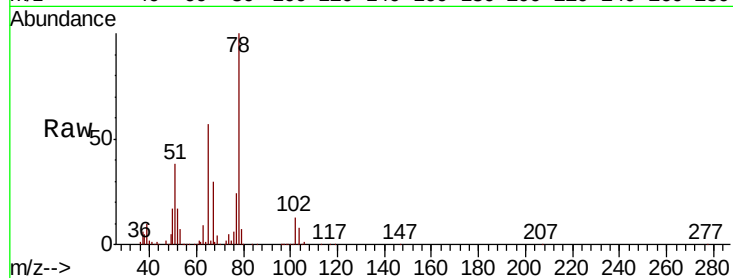




#33
 1,2-Dichloroethane-d4
 Concen: 105.219 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

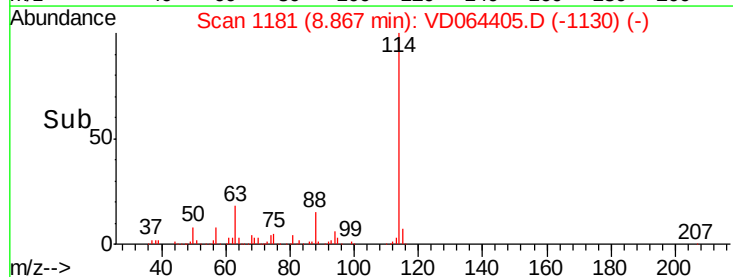
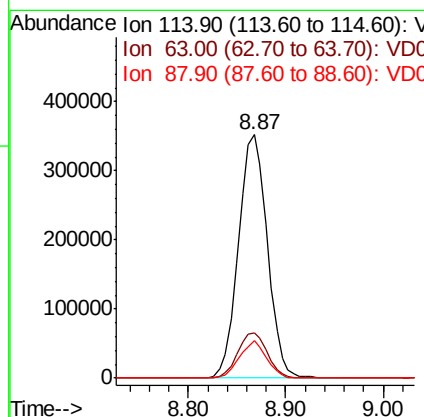
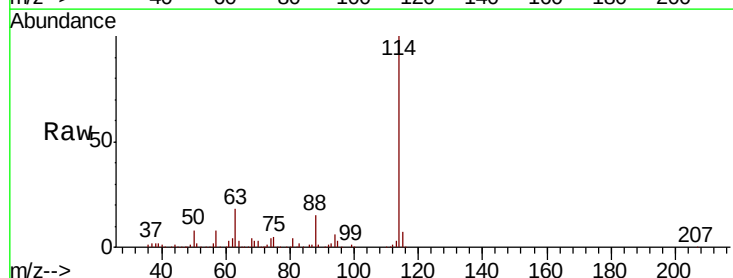
Instrument :
 MSVOA_D
 ClientSampled :

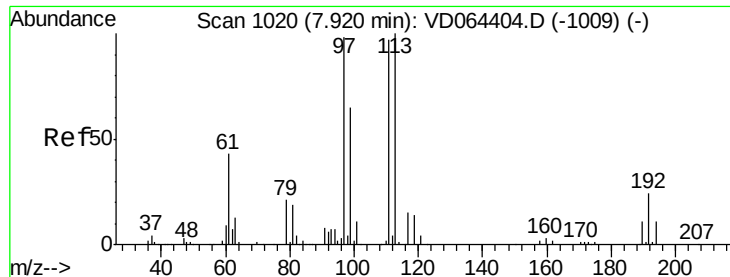
Tot Ion: 65 Resp: 430083
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 114 Resp: 723417
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 40.0
 88 15.2 0.0 29.2





#35

Dibromofluoromethane

Concen: 105.688 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

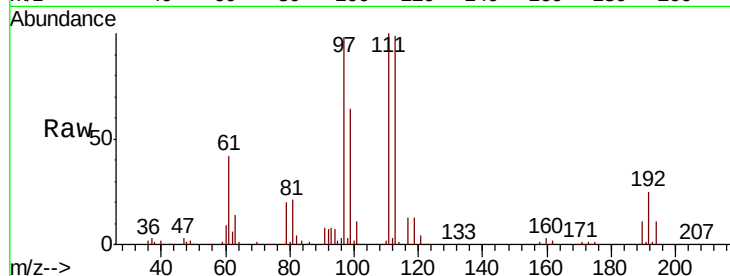
Tot Ion:113 Resp: 438357

Ion Ratio Lower Upper

113 100

111 101.8 79.4 119.2

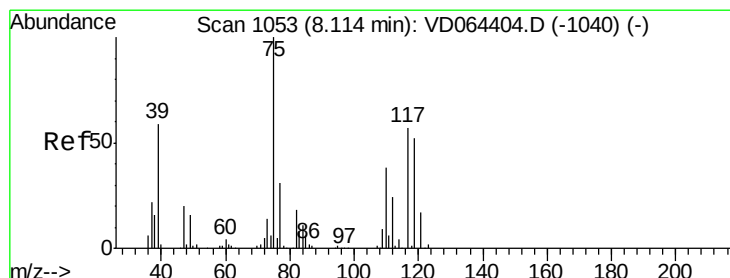
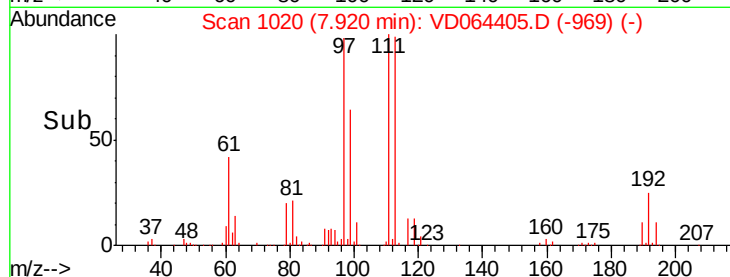
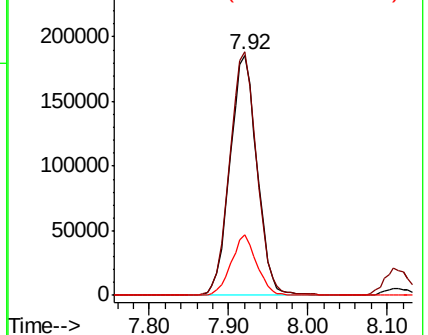
192 23.6 18.6 28.0



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: 98.091 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

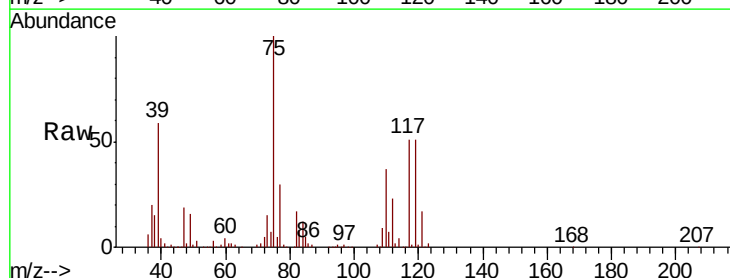
Tgt Ion: 75 Resp: 650146

Ion Ratio Lower Upper

75 100

110 36.8 18.6 55.8

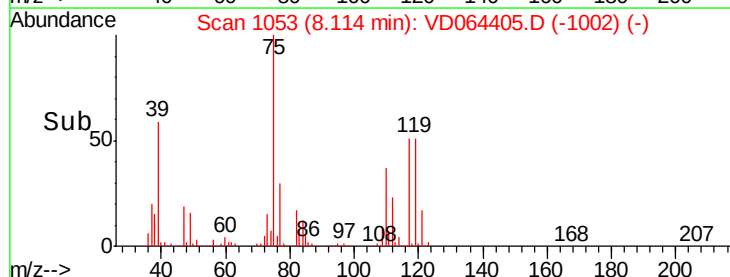
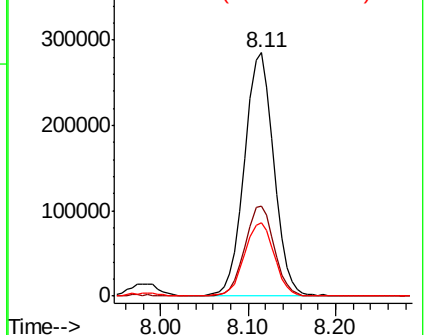
77 30.9 25.0 37.4

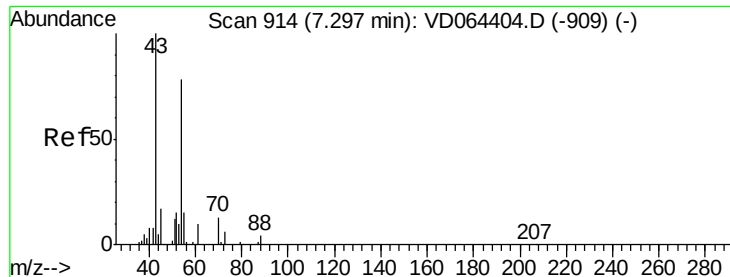


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

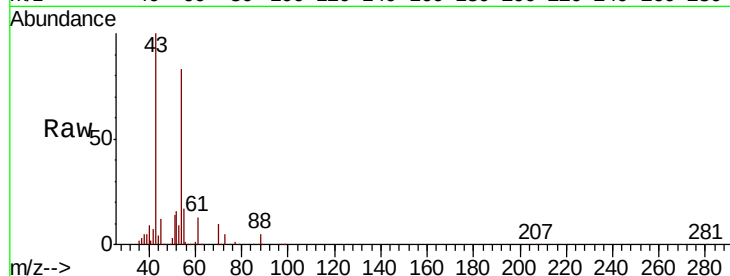




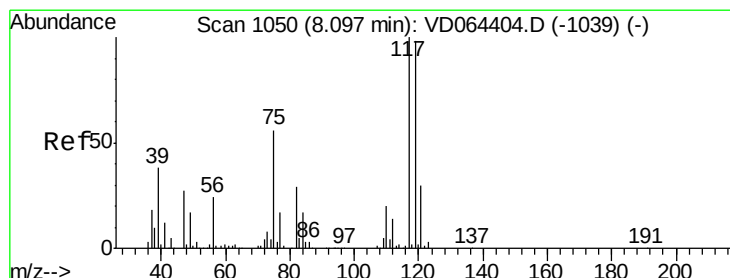
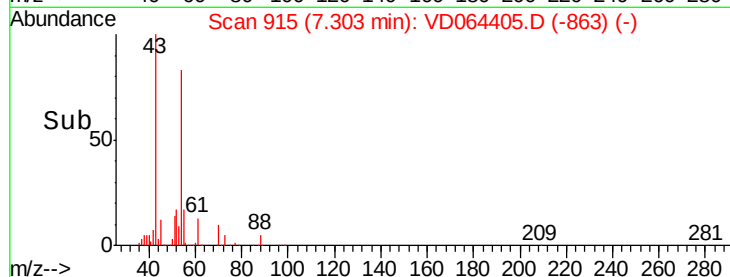
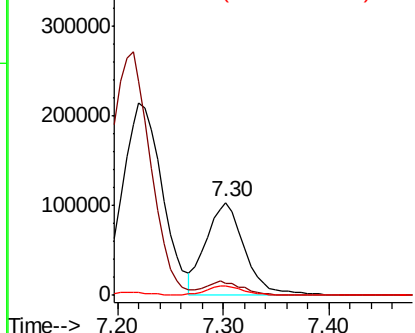
#37
Ethyl Acetate
Concen: 92.233 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 260281
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 9.9 8.3 12.5

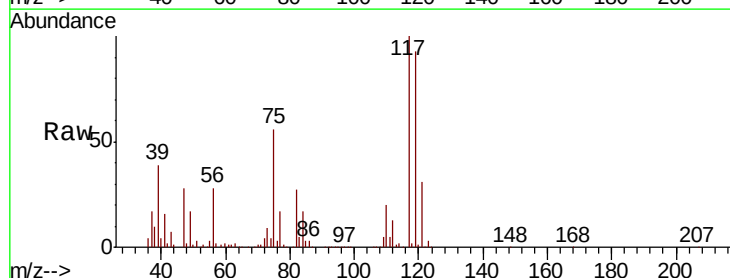


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

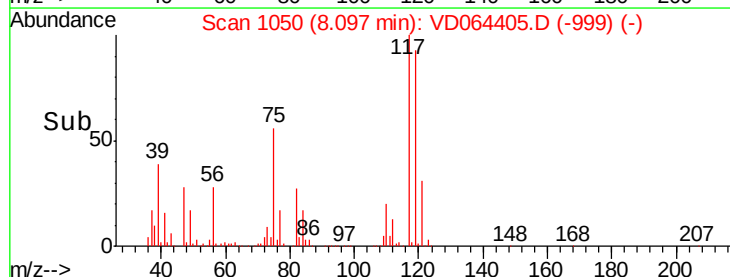
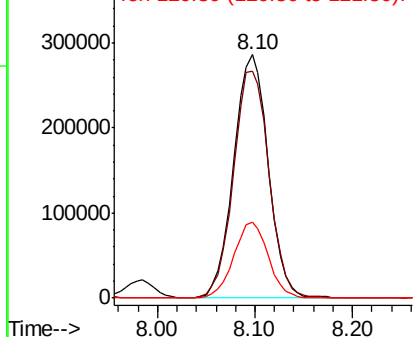


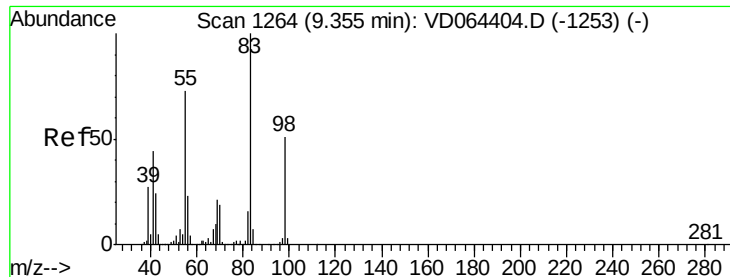
#38
Carbon Tetrachloride
Concen: 99.072 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 117 Resp: 705359
Ion Ratio Lower Upper
117 100
119 93.3 78.8 118.2
121 31.0 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

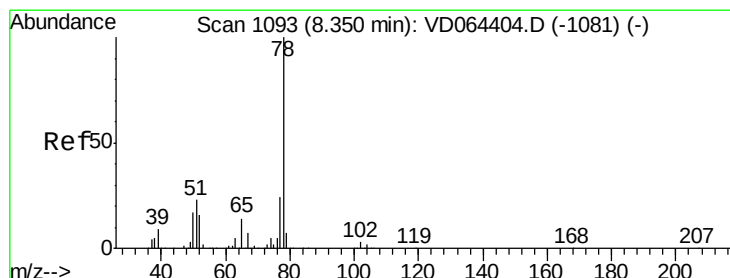
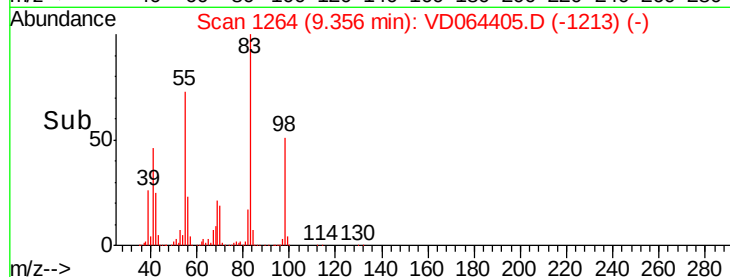
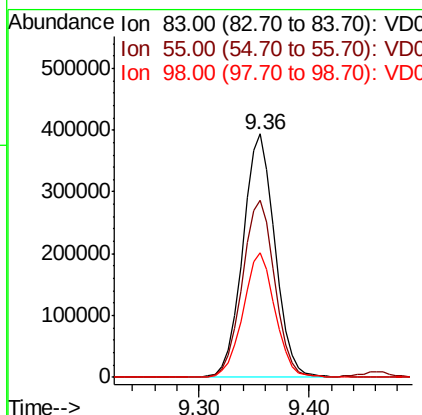
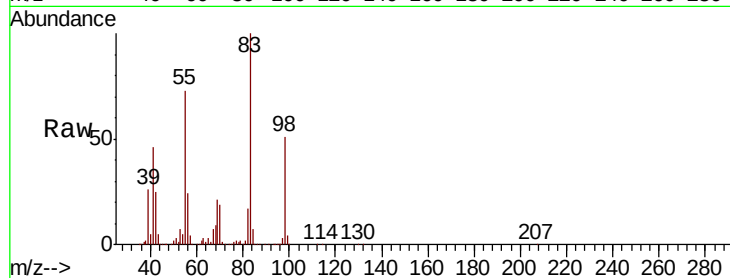




#39
Methylvlcyclohexane
Concen: 95.322 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

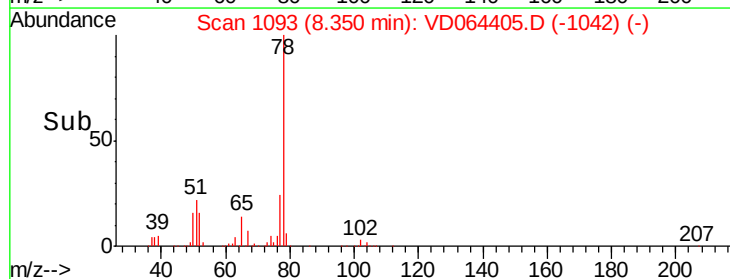
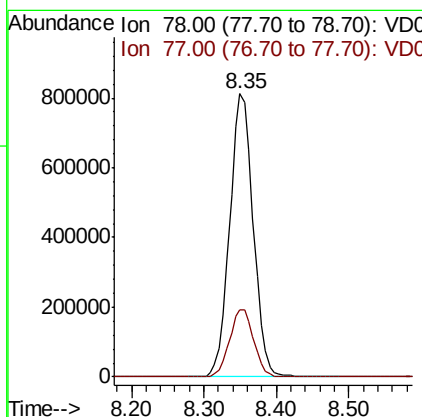
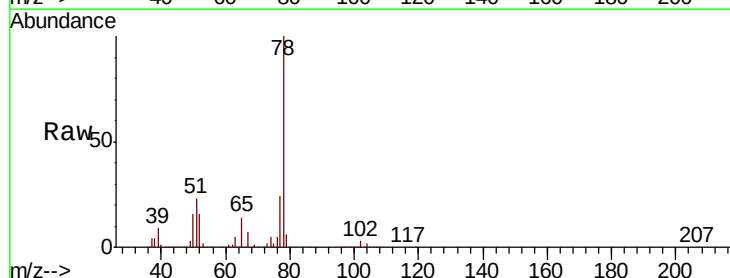
Instrument :
MSVOA_D
ClientSampled :

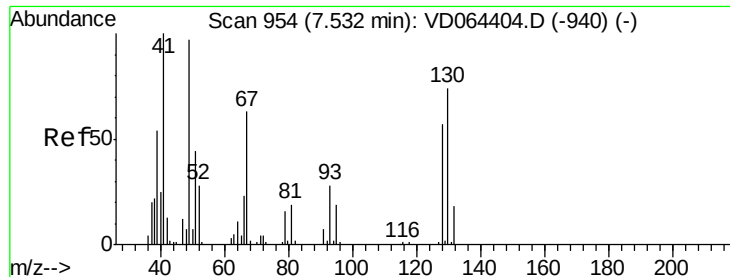
Tot Ion: 83 Resp: 804015
Ion Ratio Lower Upper
83 100
55 72.6 58.6 87.8
98 51.0 40.9 61.3



#40
Benzene
Concen: 100.159 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 78 Resp: 1827939
Ion Ratio Lower Upper
78 100
77 23.7 19.6 29.4

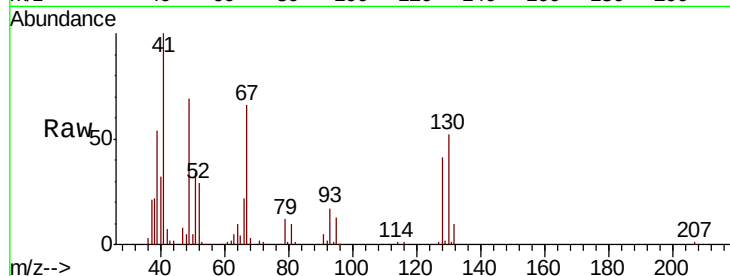




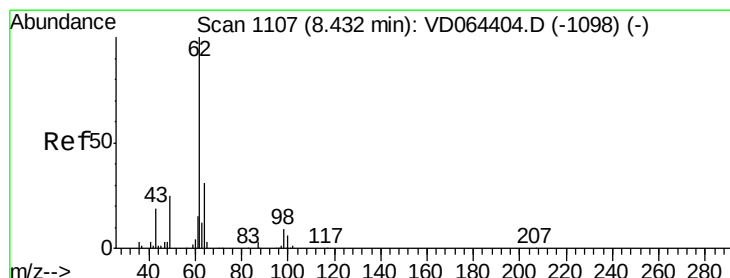
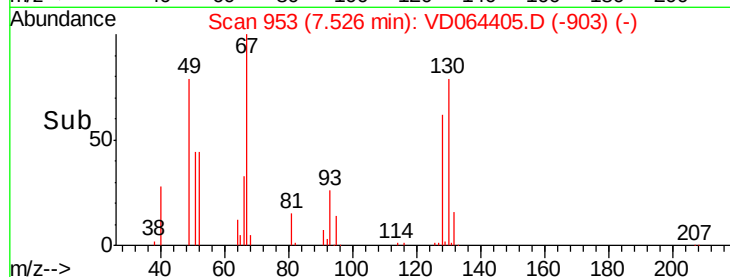
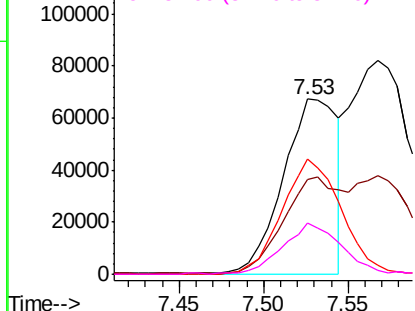
#41
Methacrylonitrile
Concen: 84.638 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 149604
Ion Ratio Lower Upper
41 100
39 61.7 44.6 67.0
67 72.2 50.9 76.3
52 31.2 22.5 33.7

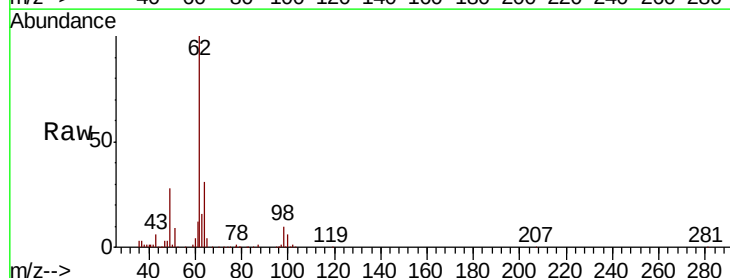


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

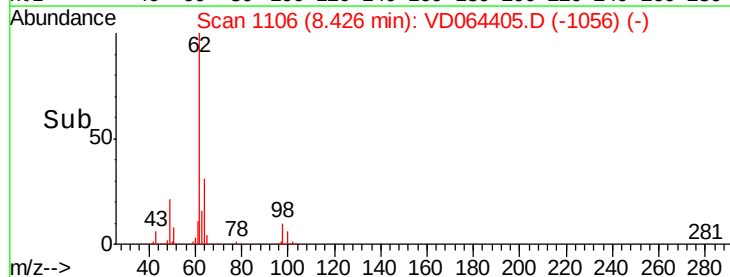
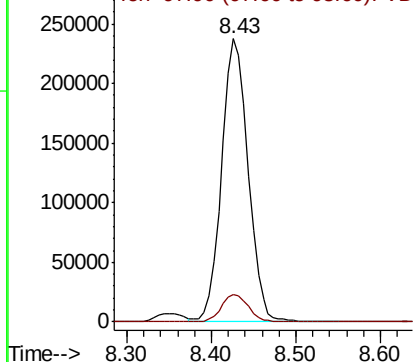


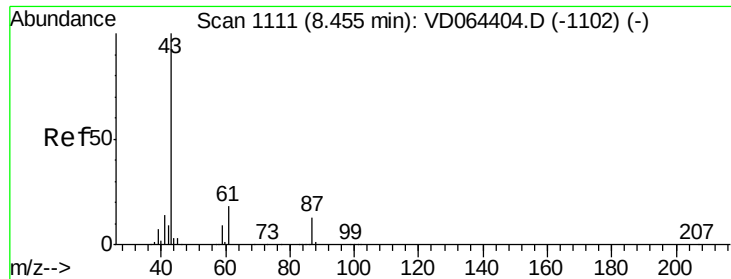
#42
1,2-Dichloroethane
Concen: 94.607 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 62 Resp: 516560
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 89.934 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

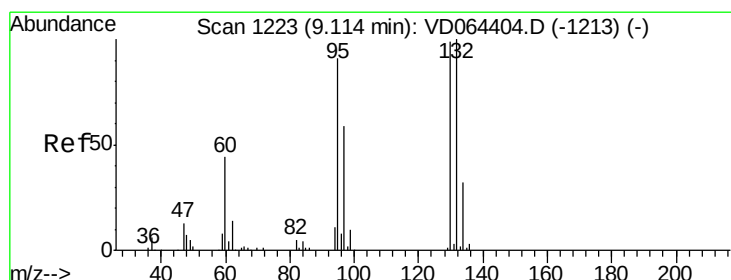
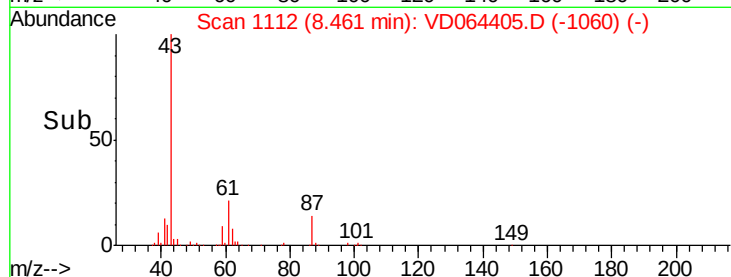
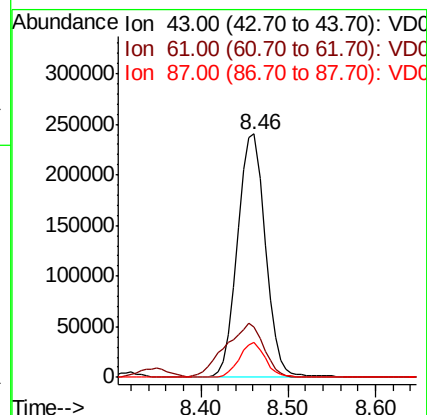
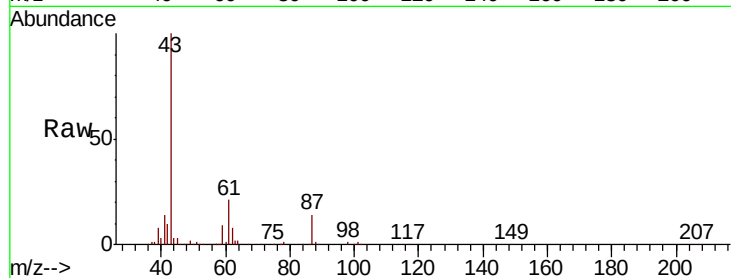
Tot Ion: 43 Resp: 519043

Ion Ratio Lower Upper

43 100

61 30.5 24.0 36.0

87 13.4 10.6 15.8



#44

Trichloroethene

Concen: 98.036 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064405.D

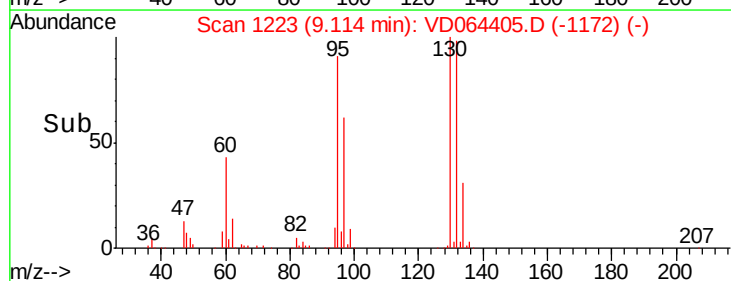
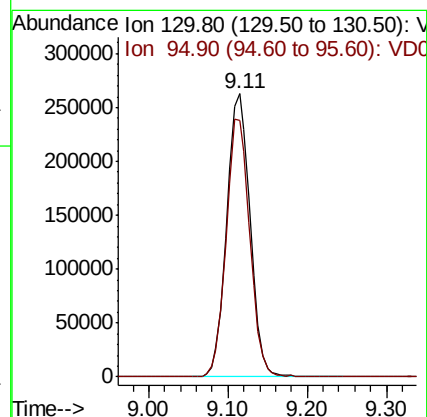
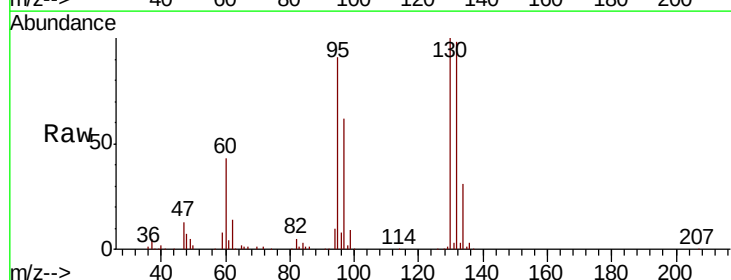
Acq: 27 Nov 2019 19:46

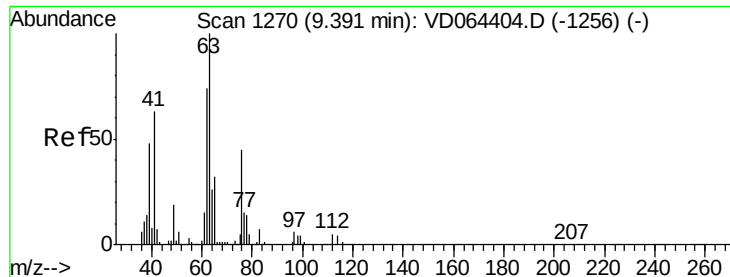
Tgt Ion: 130 Resp: 535417

Ion Ratio Lower Upper

130 100

95 90.7 0.0 184.6





#45

1,2-Dichloropropane

Concen: 95.864 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

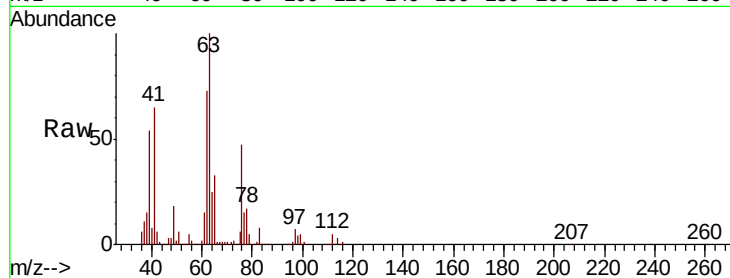
ClientSampleId :

Tot Ion: 63 Resp: 426733

Ion Ratio Lower Upper

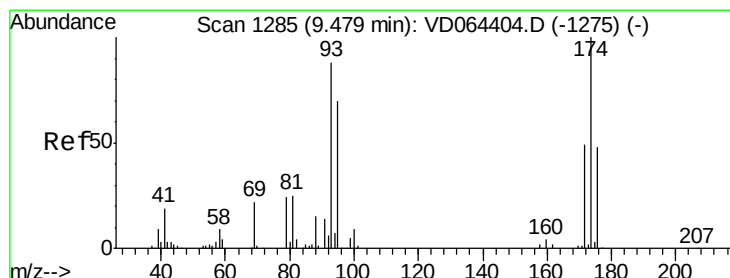
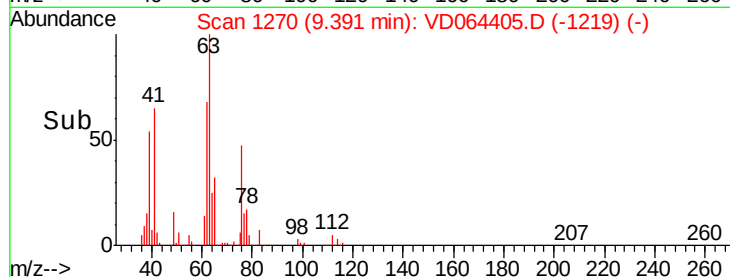
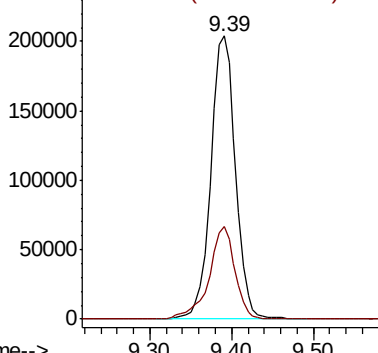
63 100

65 32.6 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: 99.153 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

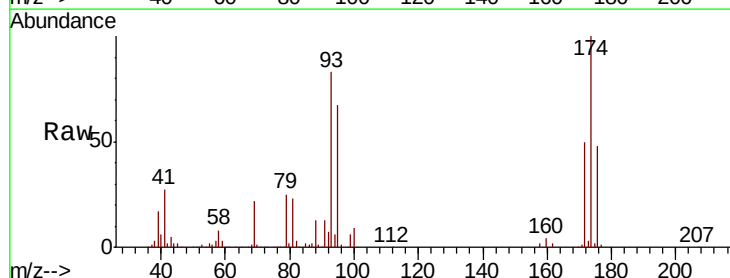
Tgt Ion: 93 Resp: 238038

Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

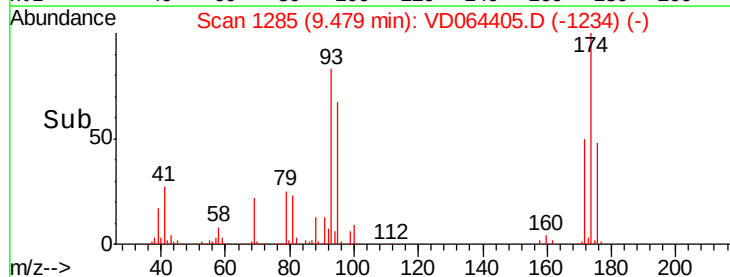
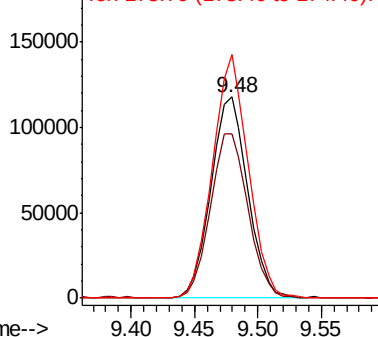
174 118.1 92.3 138.5

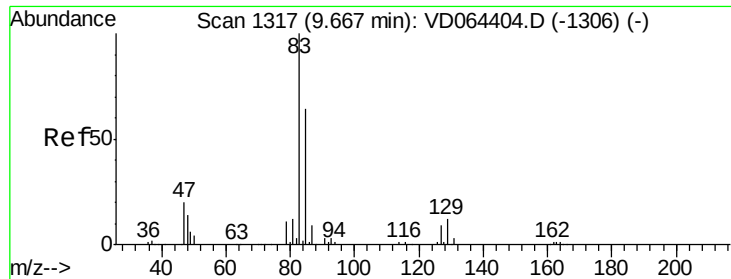


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 97.444 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

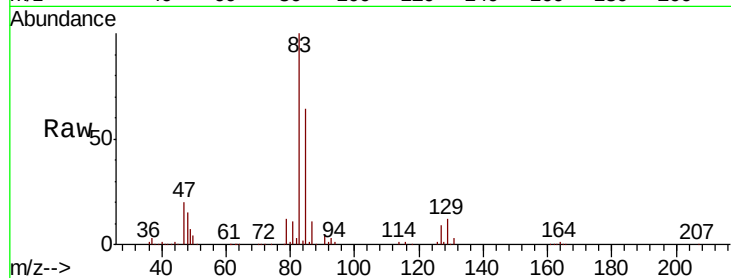
Tot Ion: 83 Resp: 626256

Ion Ratio Lower Upper

83 100

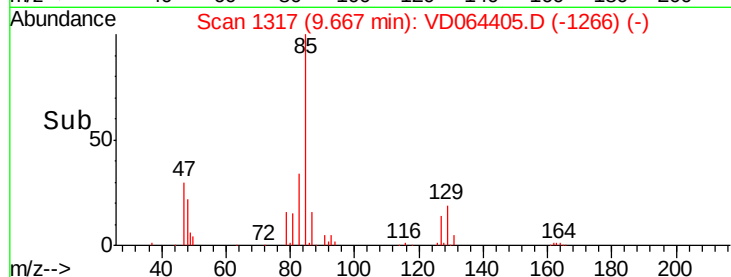
85 64.3 51.1 76.7

127 9.1 7.4 11.0

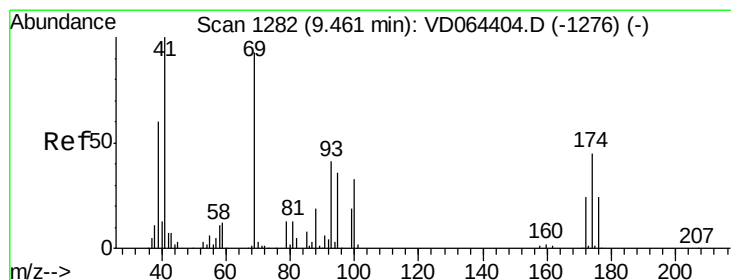


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

9.67



Time-->



#48

Methyl methacrylate

Concen: 85.443 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

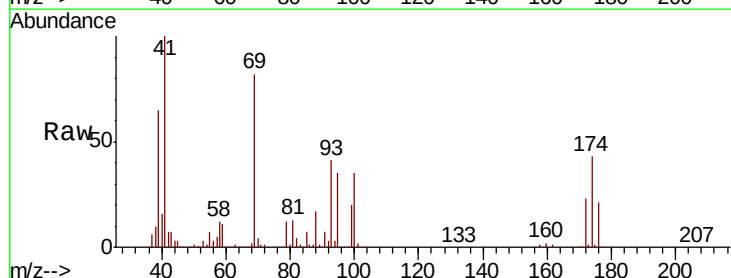
Tgt Ion: 41 Resp: 239245

Ion Ratio Lower Upper

41 100

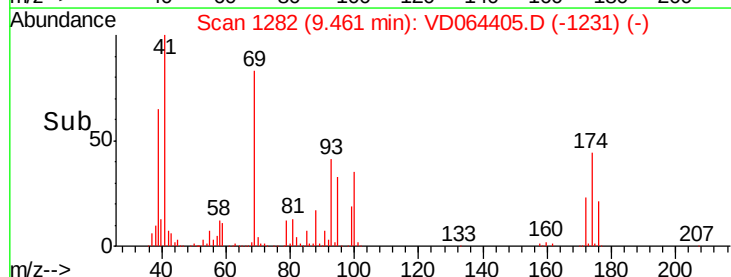
69 86.8 72.0 108.0

39 64.5 55.2 82.8

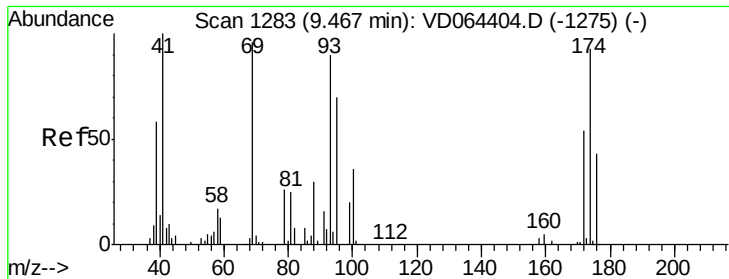


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

9.46



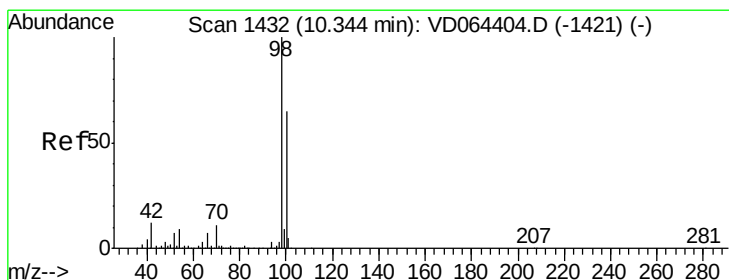
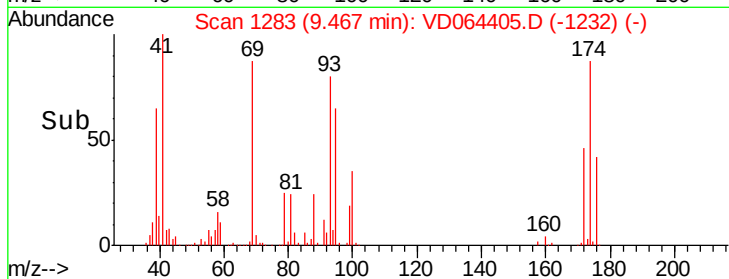
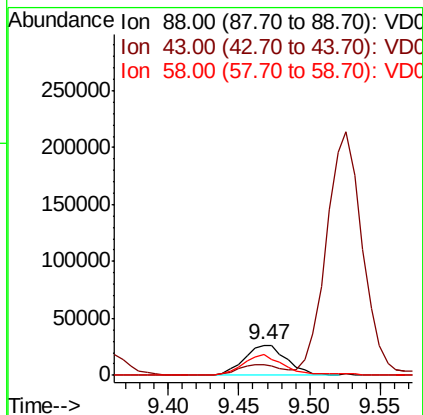
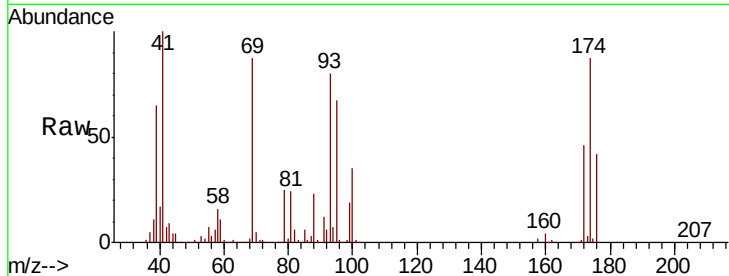
Time-->



#49
1,4-Dioxane
Concen: 1923.456 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

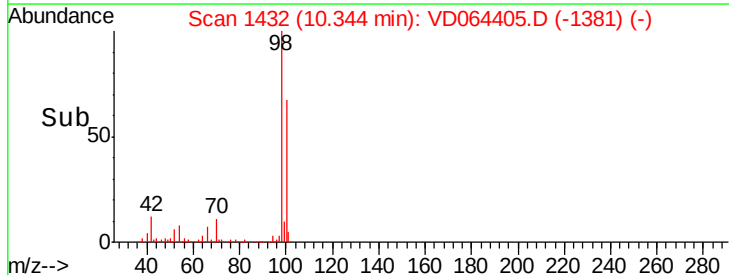
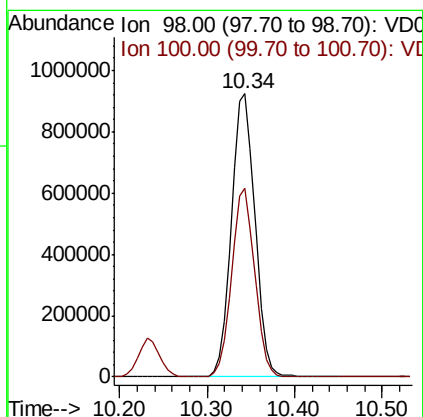
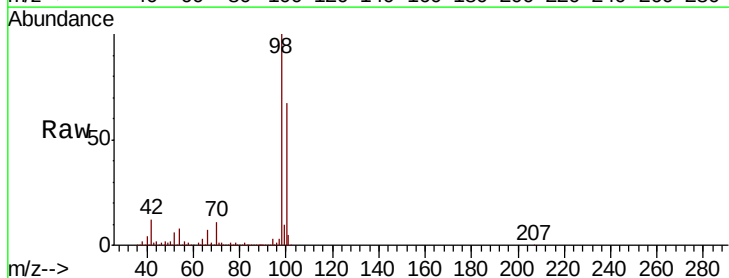
Instrument :
MSVOA_D
ClientSampled :

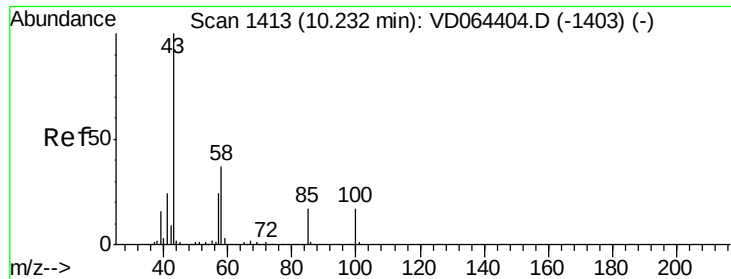
Tot Ion: 88 Resp: 55535
Ion Ratio Lower Upper
88 100
43 38.7 26.7 40.1
58 68.6 52.3 78.5



#50
Toluene-d8
Concen: 108.116 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 98 Resp: 1684056
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0

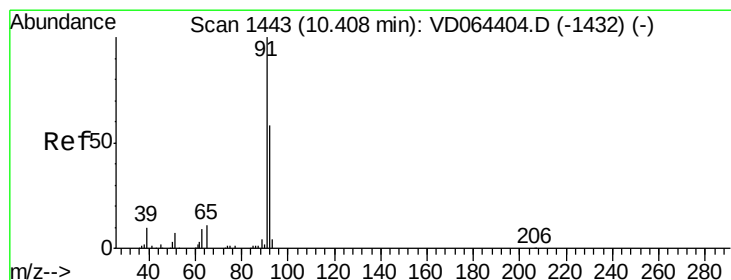
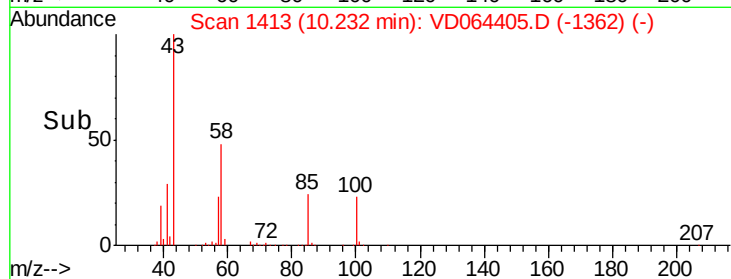
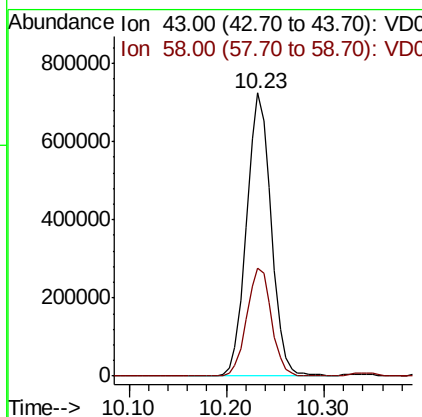
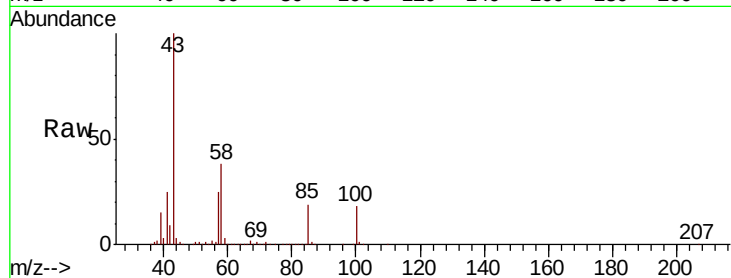




#51
4-Methyl-2-Pentanone
Concen: 460.965 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

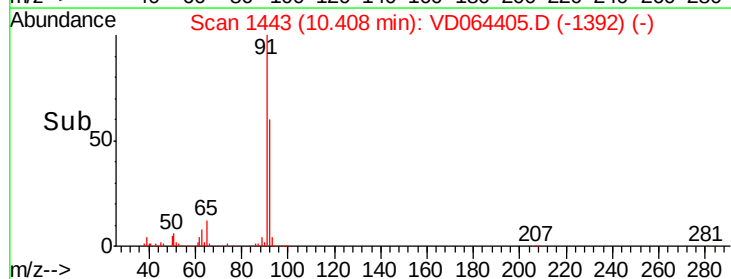
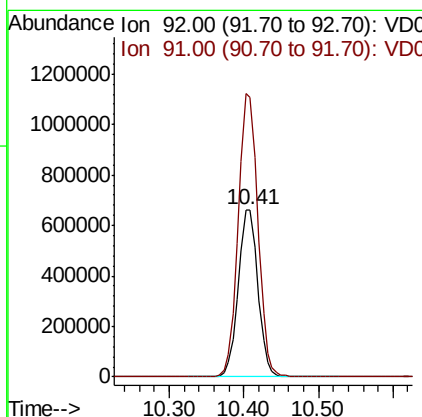
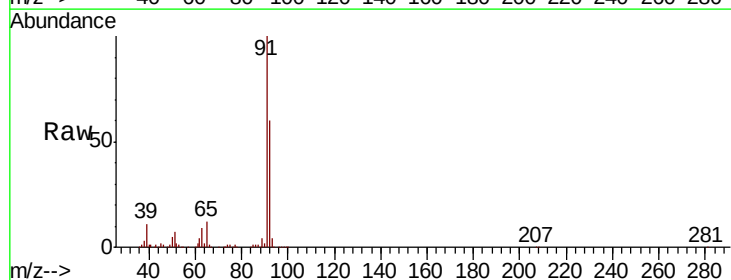
Instrument :
MSVOA_D
ClientSampled :

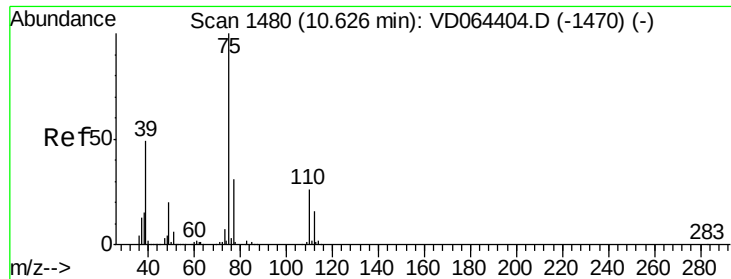
Tot Ion: 43 Resp: 1282422
Ion Ratio Lower Upper
43 100
58 38.3 30.6 46.0



#52
Toluene
Concen: 100.533 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 92 Resp: 1203735
Ion Ratio Lower Upper
92 100
91 170.8 137.8 206.6

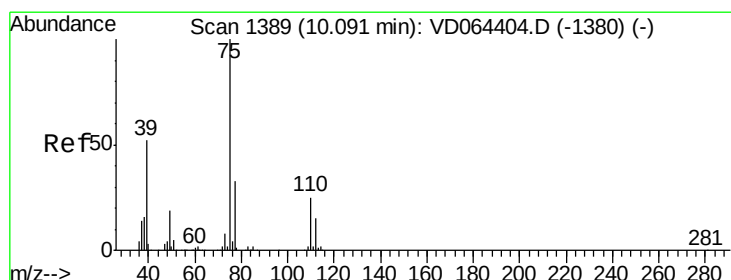
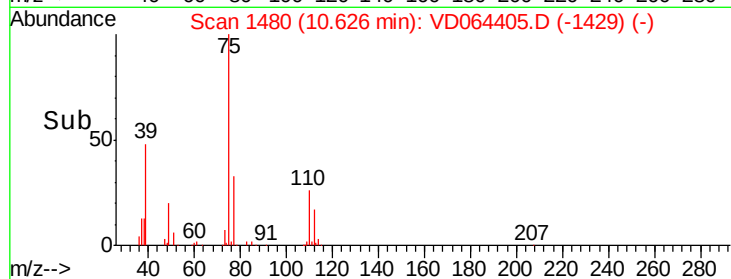
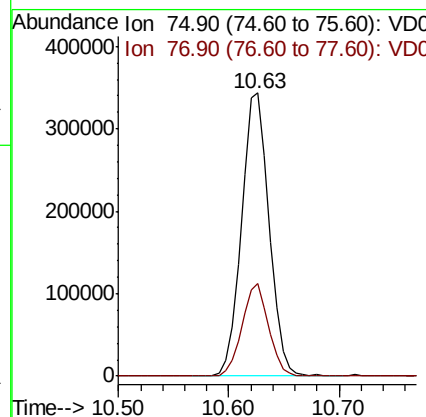
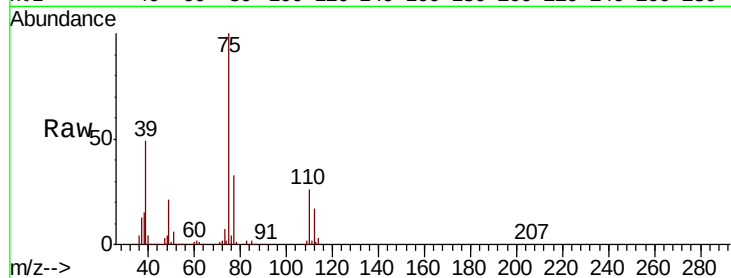




#53
t-1,3-Dichloropropene
Concen: 94.436 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

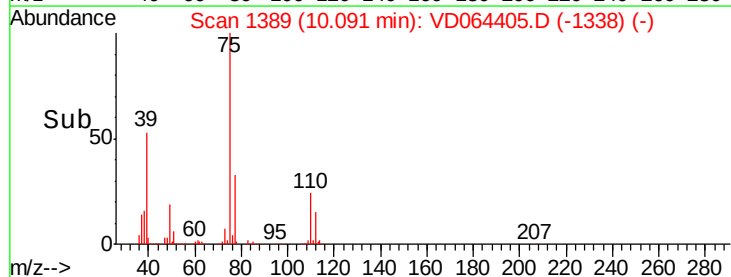
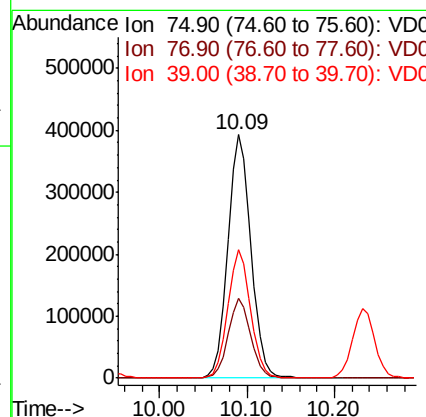
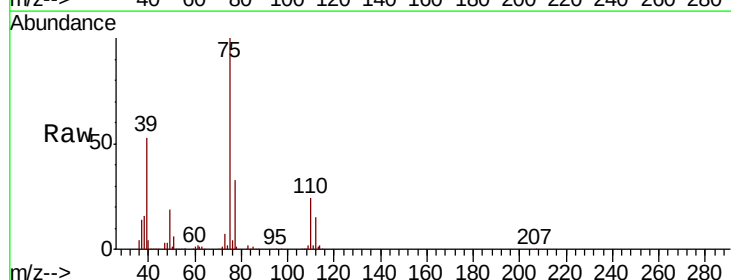
Instrument :
MSVOA_D
ClientSampleId :

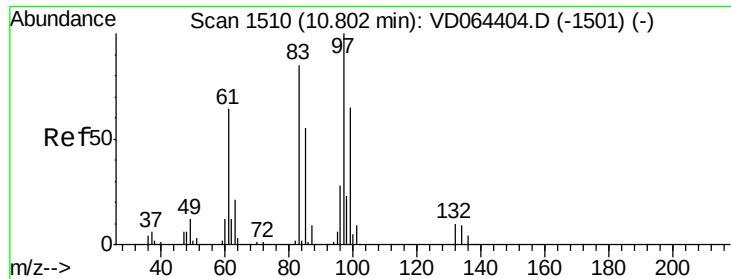
Tot Ion: 75 Resp: 602967
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 95.268 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 75 Resp: 711143
Ion Ratio Lower Upper
75 100
77 32.7 26.1 39.1
39 52.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 99.751 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 324200

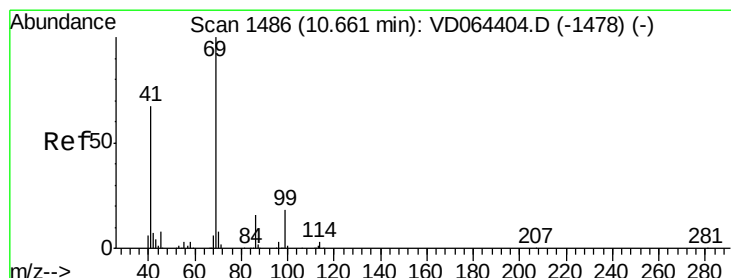
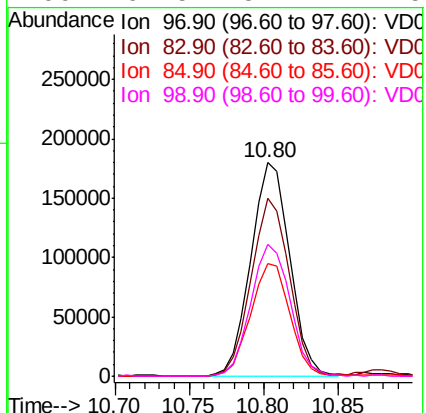
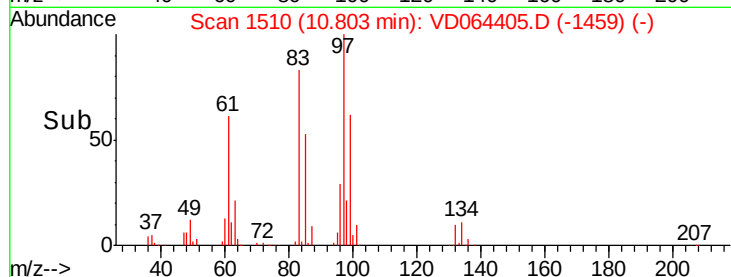
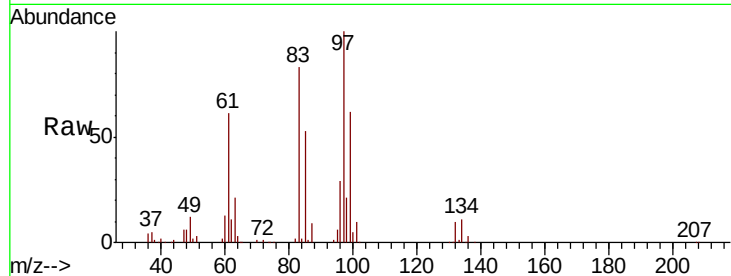
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.8	101.8
85	52.5	43.7	65.5
99	61.5	51.7	77.5

97 100

83 83.0 67.8 101.8

85 52.5 43.7 65.5

99 61.5 51.7 77.5



#56

Ethyl methacrylate

Concen: 93.497 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

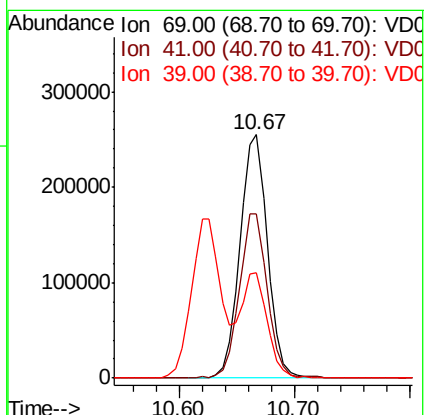
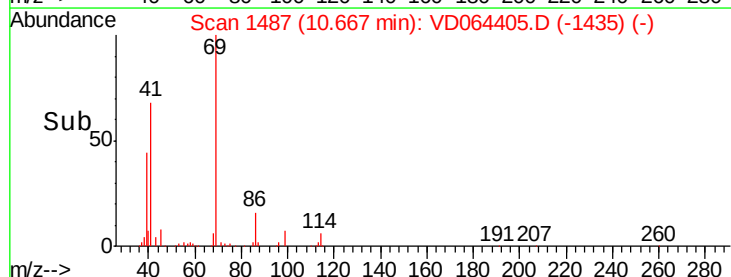
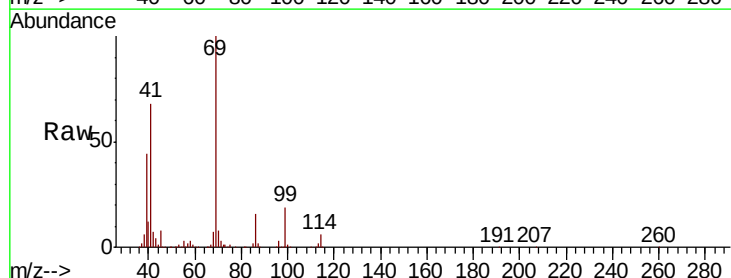
Tgt Ion: 69 Resp: 420826

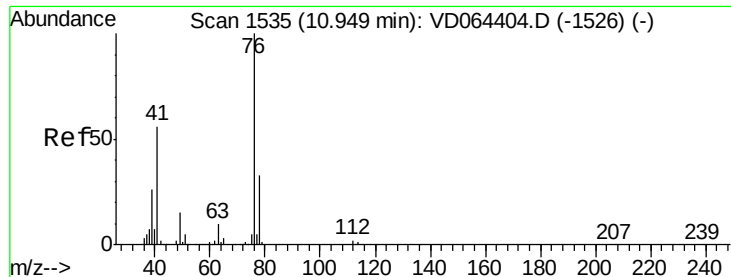
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.0	82.4
39	43.2	33.0	49.6

69 100

41 69.3 55.0 82.4

39 43.2 33.0 49.6





#57

1,3-Dichloropropane

Concen: 97.831 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

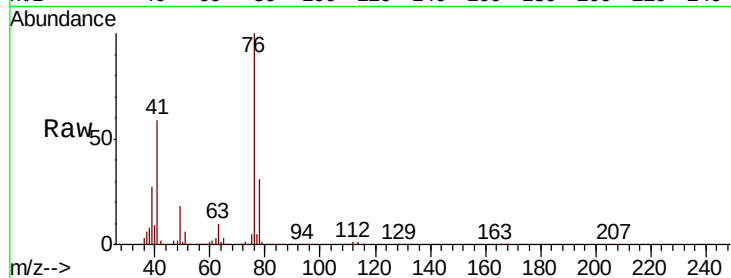
ClientSampleId :

Tot Ion: 76 Resp: 553099

Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

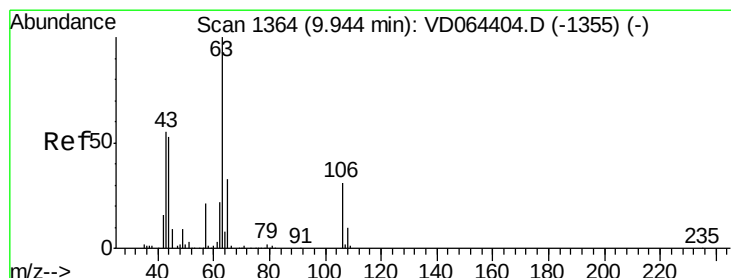
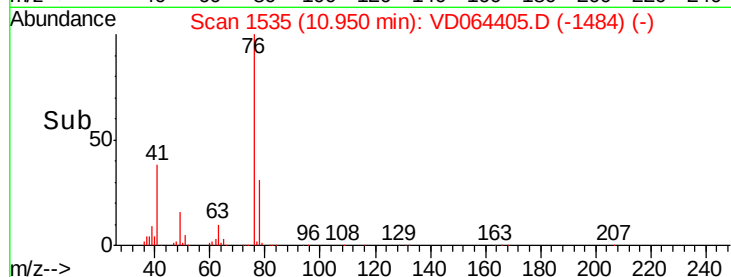
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 430.406 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064405.D

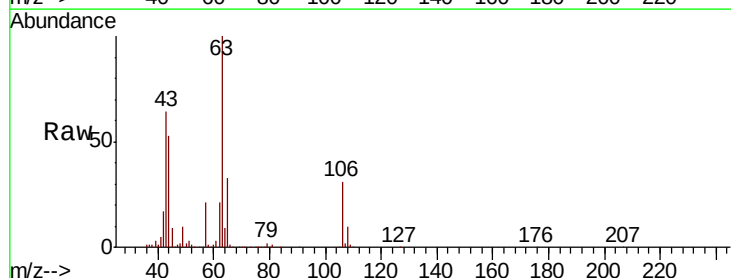
Acq: 27 Nov 2019 19:46

Tgt Ion: 63 Resp: 771836

Ion Ratio Lower Upper

63 100

106 30.2 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

500000

400000

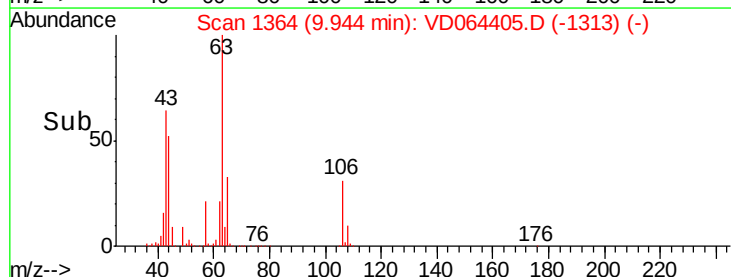
300000

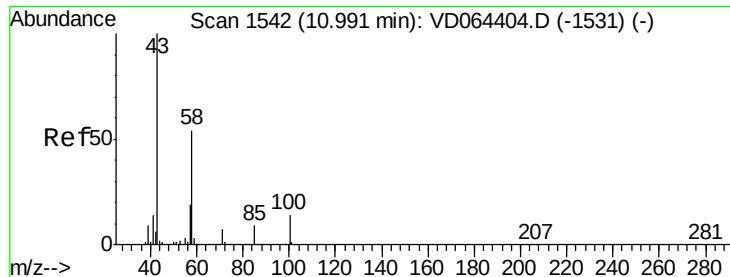
200000

100000

0

Time-->

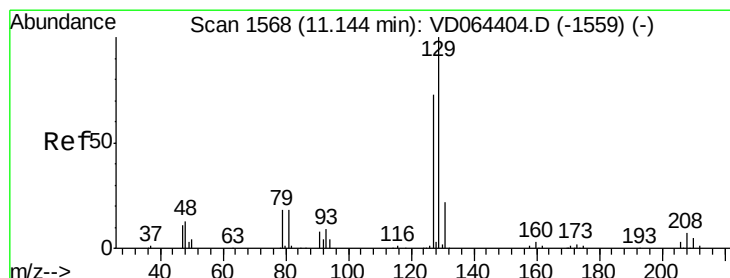
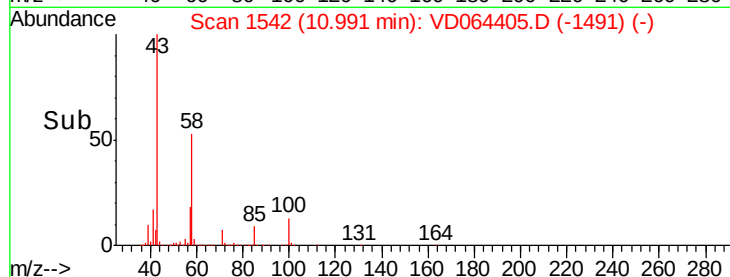
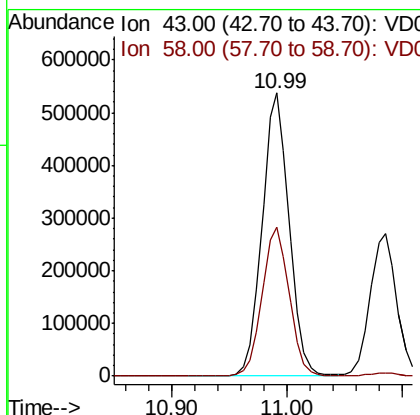
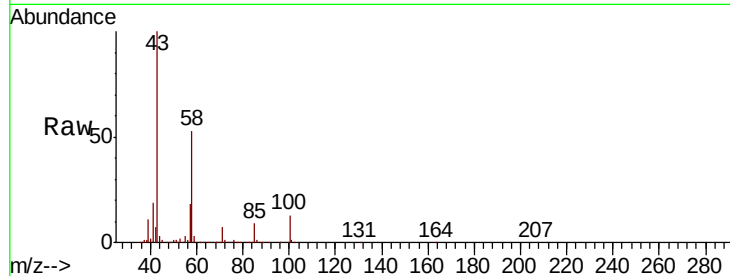




#59
2-Hexanone
Concen: 446.592 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

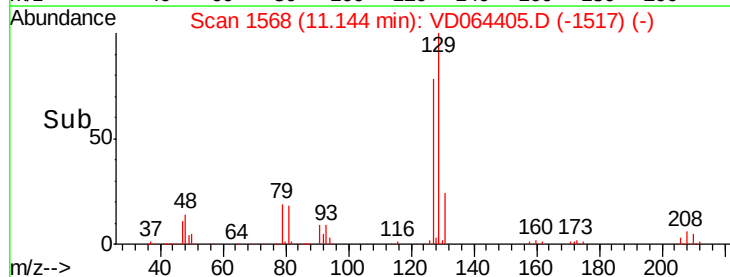
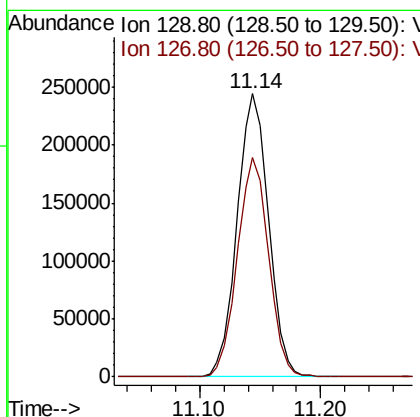
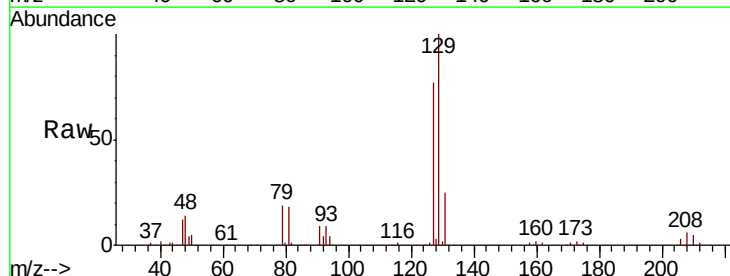
Instrument :
MSVOA_D
ClientSampled :

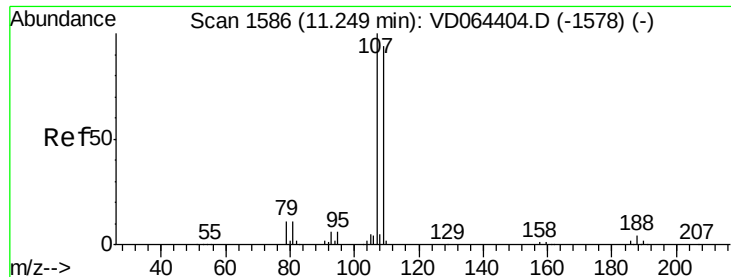
Tot Ion: 43 Resp: 878541
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8



#60
Dibromochloromethane
Concen: 98.140 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 129 Resp: 444664
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

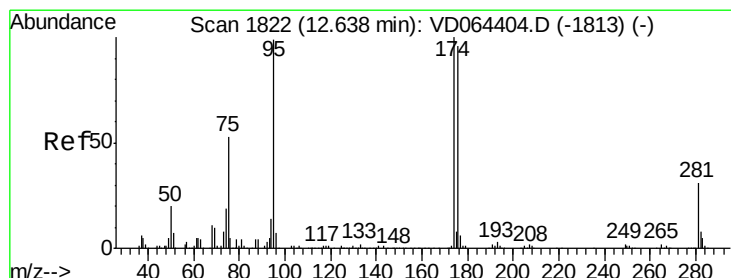
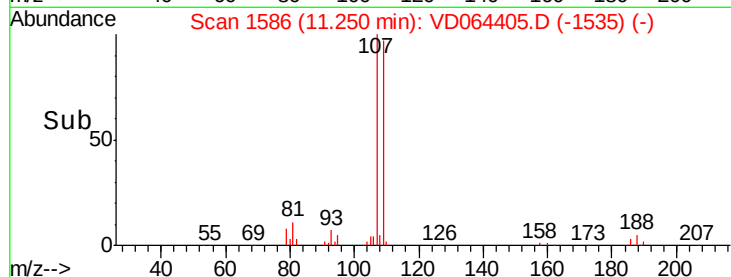
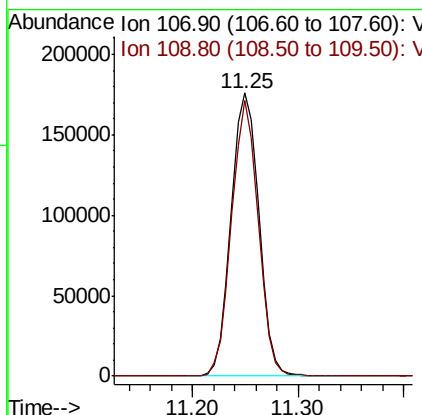
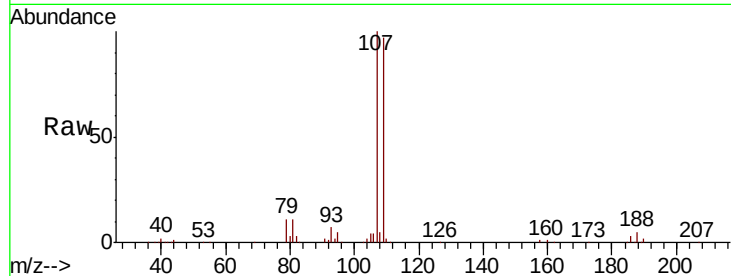




#61
 1,2-Dibromoethane
 Concen: 98.204 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

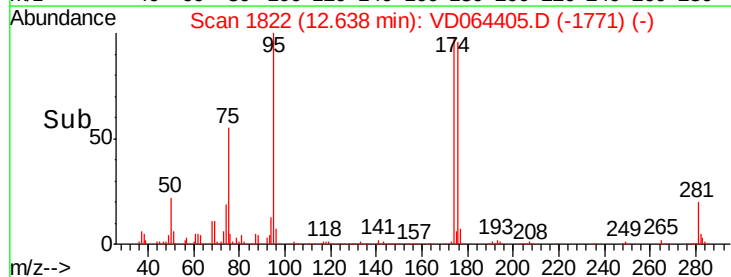
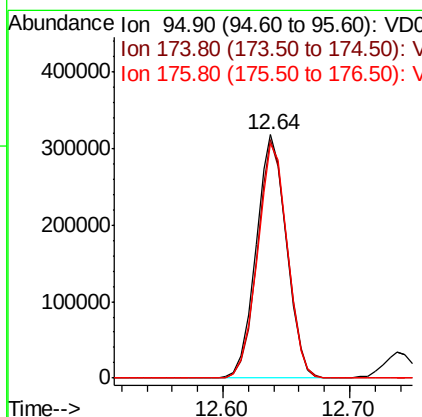
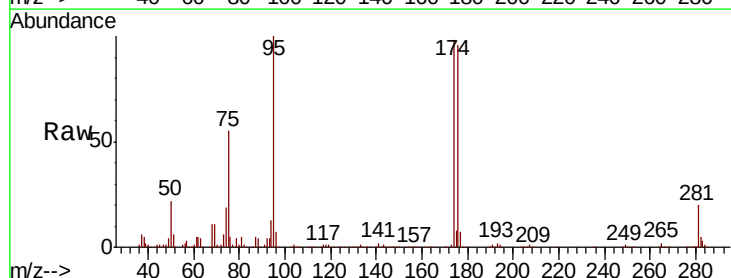
Instrument :
 MSVOA_D
 ClientSampleId :

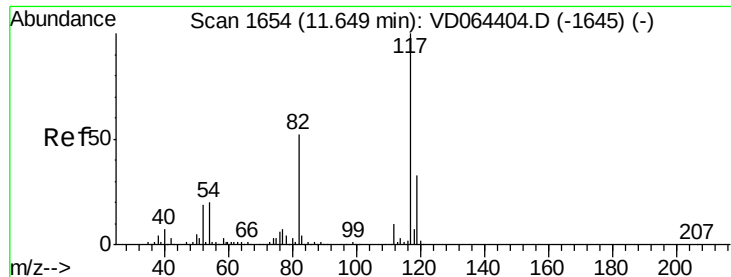
Tot Ion:107 Resp: 319818
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 99.060 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 95 Resp: 528732
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 197.2
 176 95.1 0.0 189.6

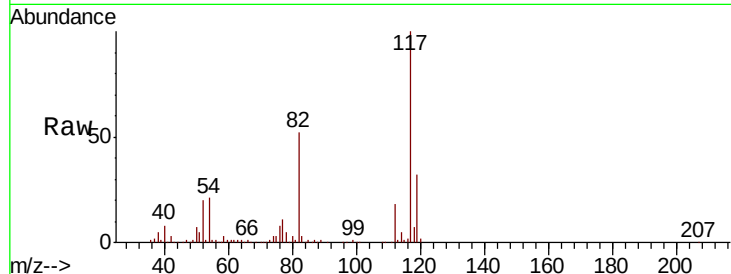




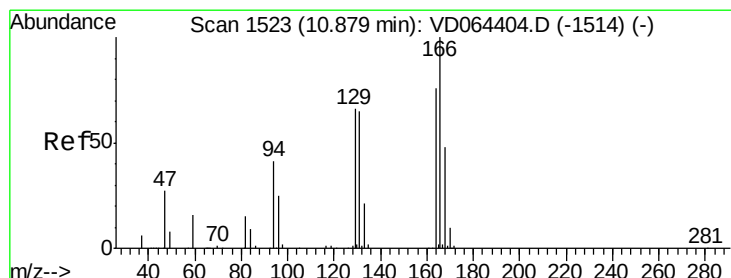
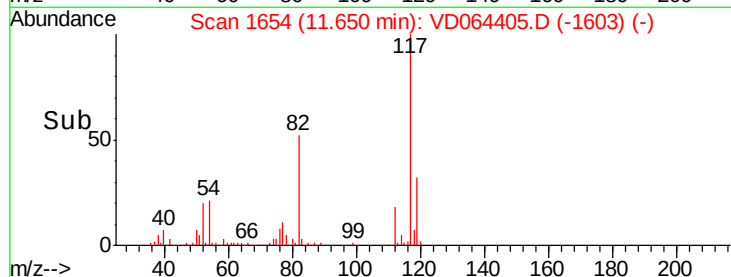
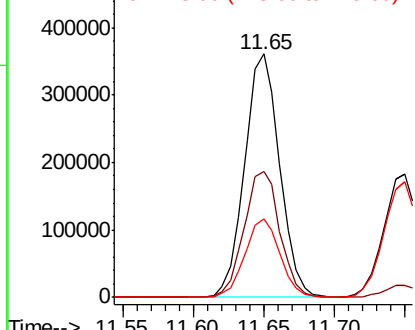
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 627628
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 32.4 26.2 39.2

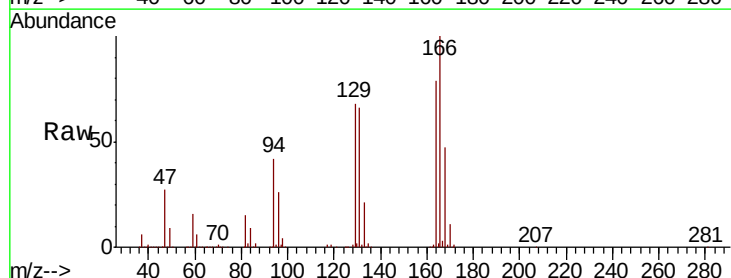


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

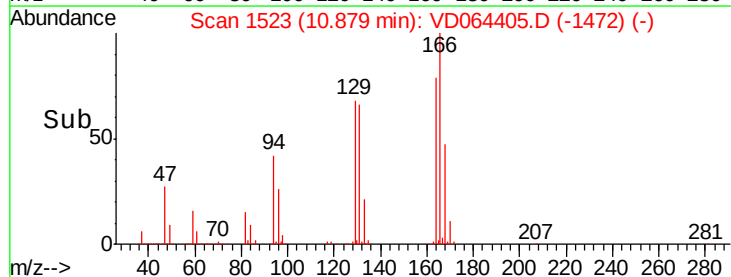
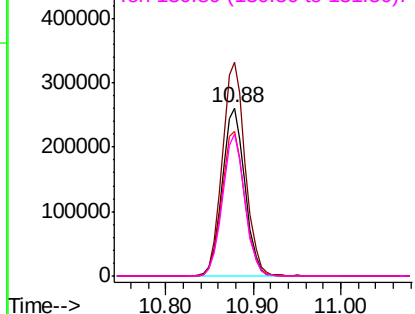


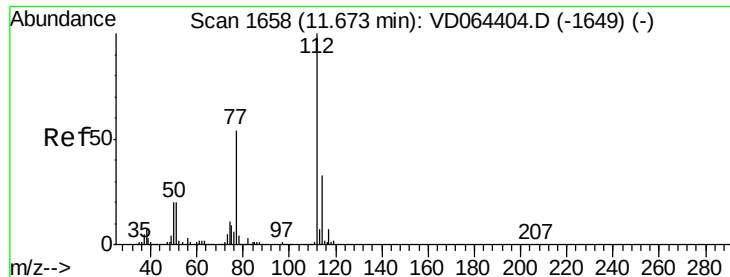
#64
Tetrachloroethene
Concen: 97.348 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:164 Resp: 466380
Ion Ratio Lower Upper
164 100
166 127.0 104.8 157.2
129 85.7 68.7 103.1
131 84.3 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

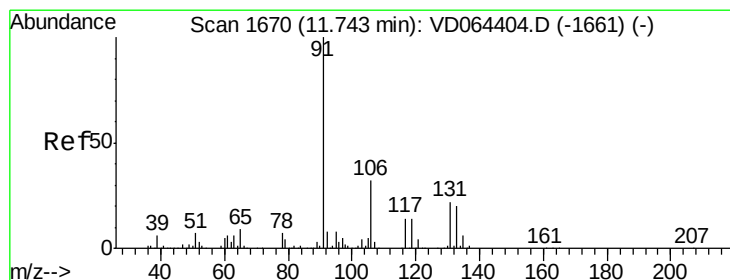
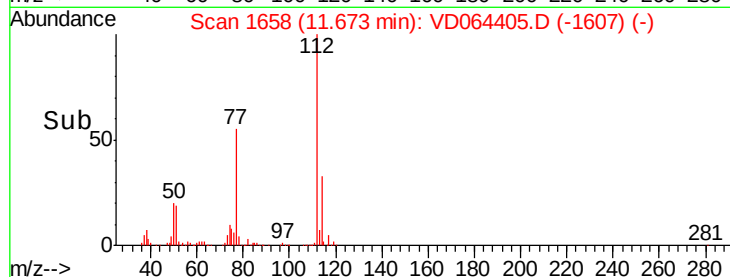
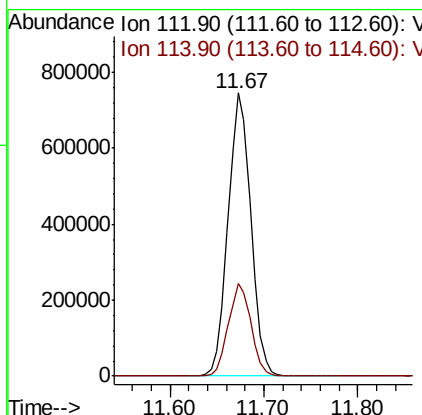
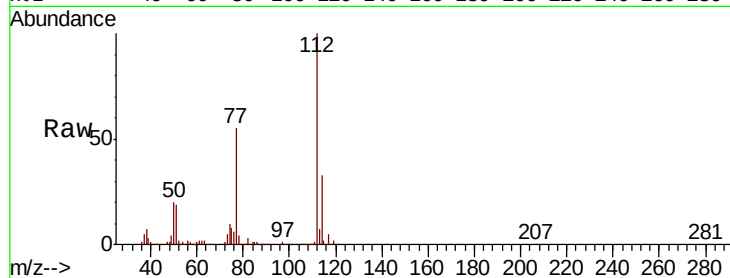




#65
Chlorobenzene
Concen: 98.676 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

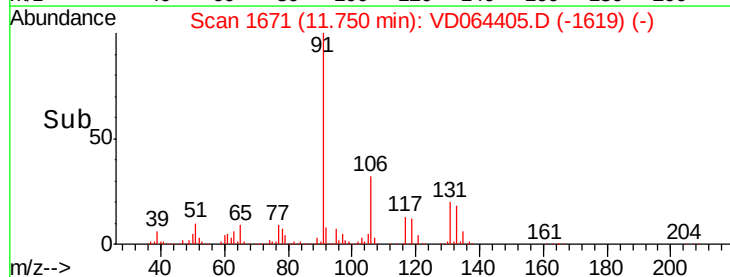
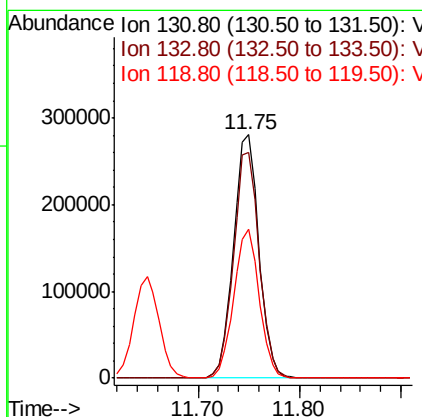
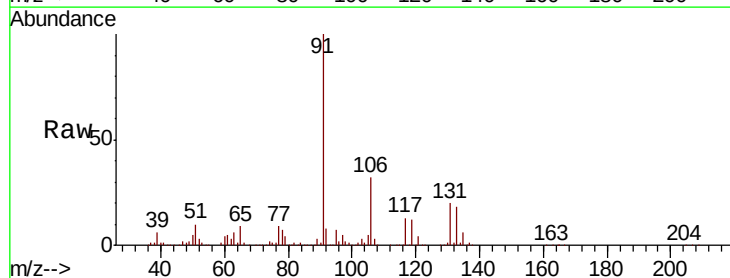
Instrument :
MSVOA_D
ClientSampled :

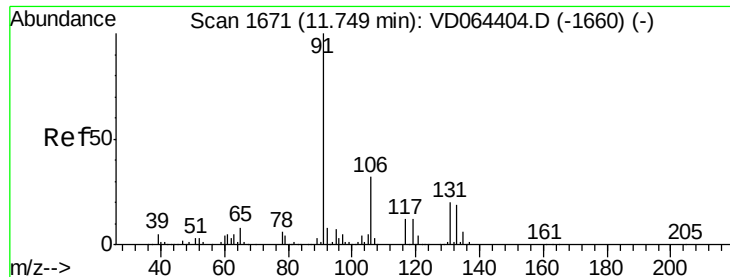
Tot Ion:112 Resp: 1257056
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 100.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:131 Resp: 487006
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.9
119 61.8 31.9 95.9





#67

Ethyl Benzene

Concen: 99.873 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

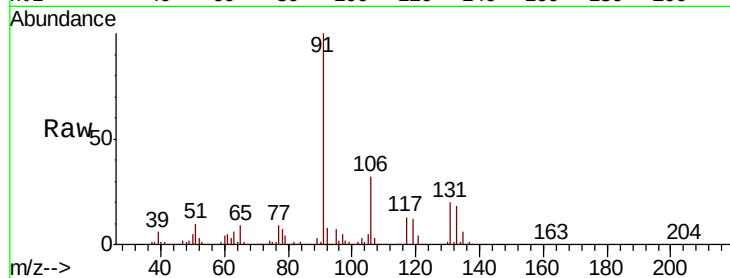
ClientSampled :

Tot Ion: 91 Resp: 2296239

Ion Ratio Lower Upper

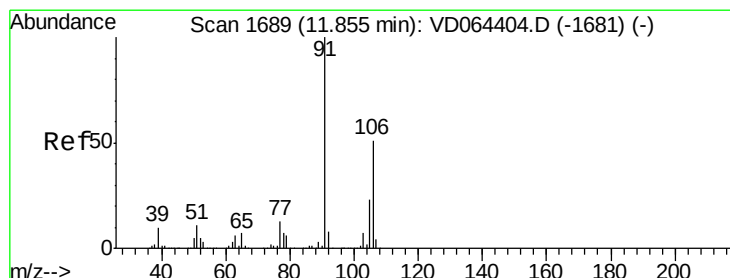
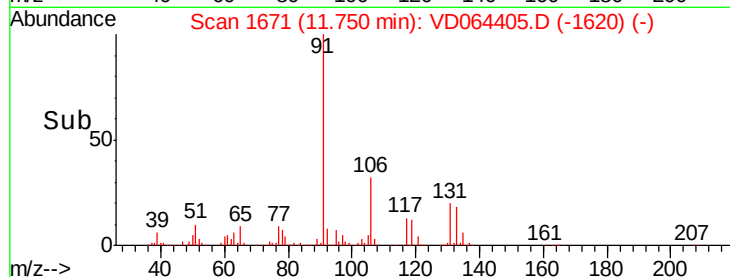
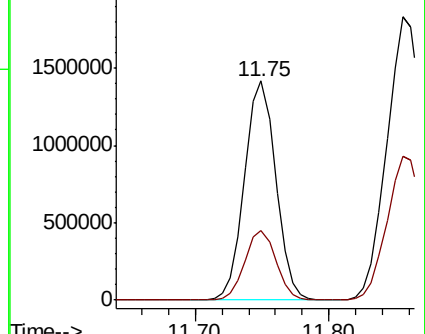
91 100

106 31.9 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 201.423 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064405.D

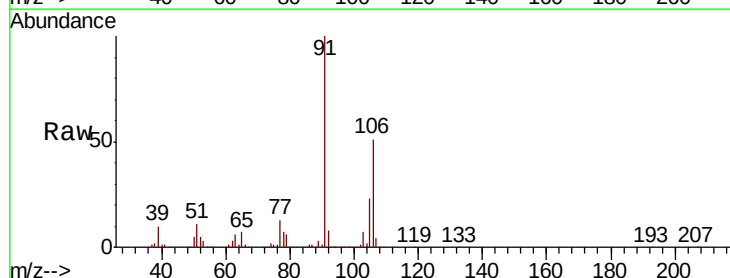
Acq: 27 Nov 2019 19:46

Tgt Ion: 106 Resp: 1773964

Ion Ratio Lower Upper

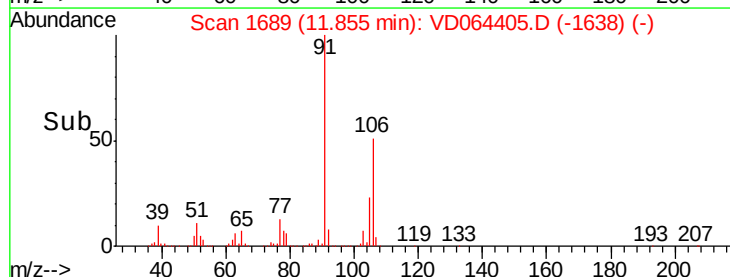
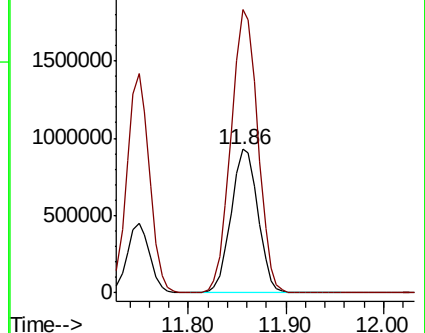
106 100

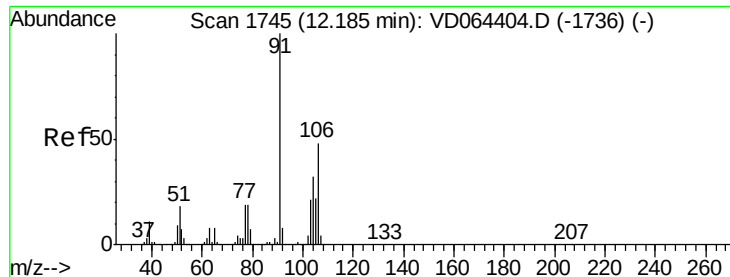
91 197.5 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

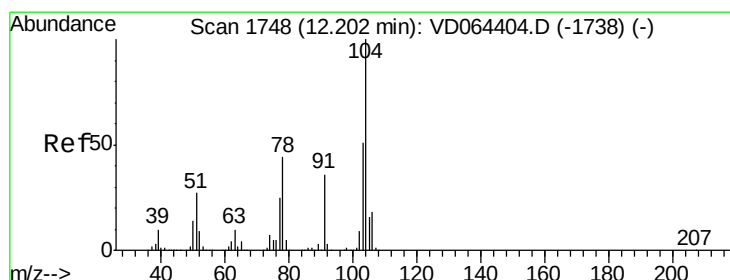
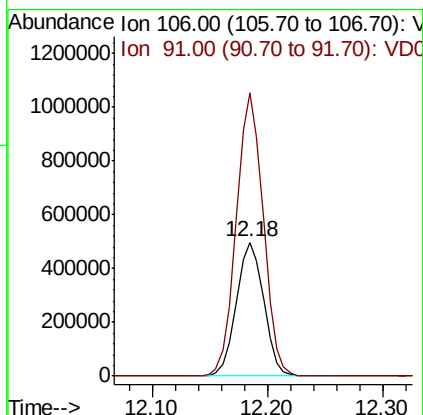
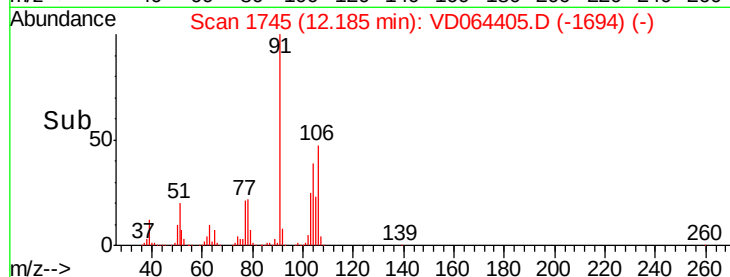
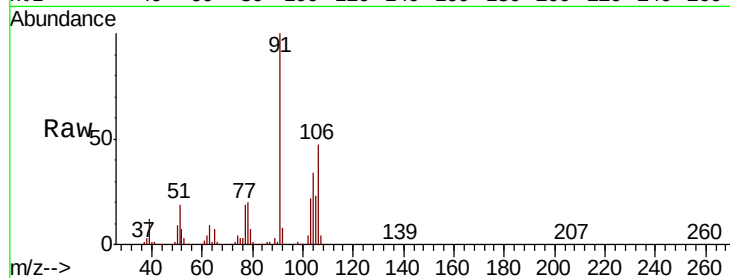




#69
o-Xylene
Concen: 100.014 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

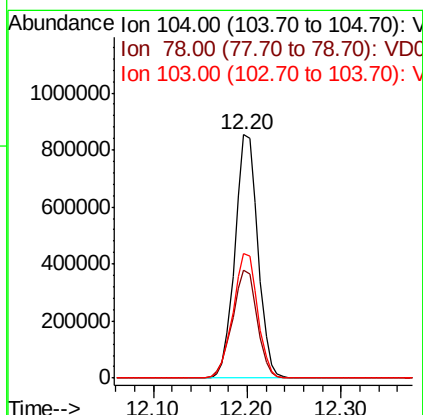
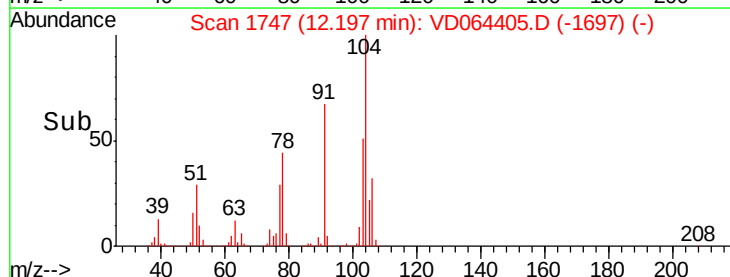
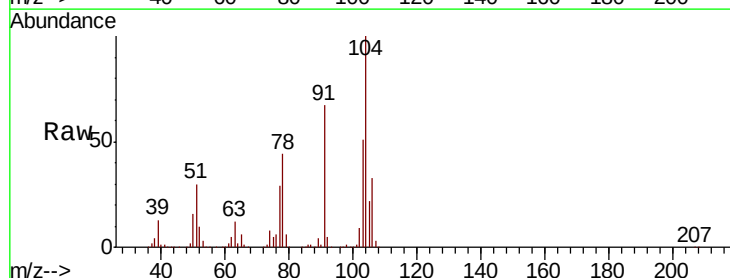
Instrument :
MSVOA_D
ClientSampleId :

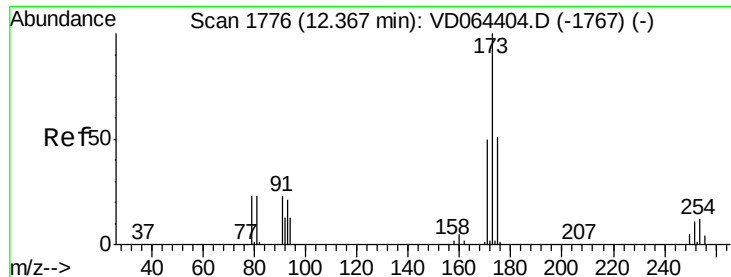
Tot Ion:106 Resp: 816950
Ion Ratio Lower Upper
106 100
91 208.3 103.8 311.4



#70
Styrene
Concen: 101.482 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:104 Resp: 1444718
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 54.8 44.2 66.4





#71

Bromoform

Concen: 98.502 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

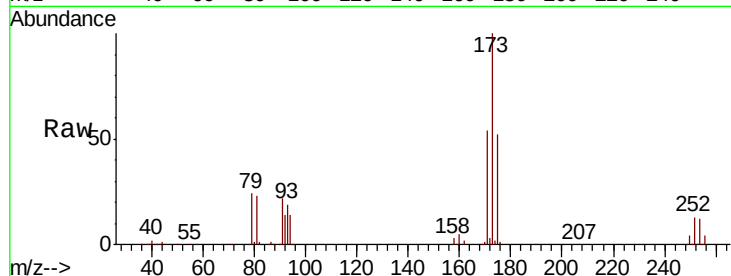
Tot Ion:173 Resp: 272122

Ion Ratio Lower Upper

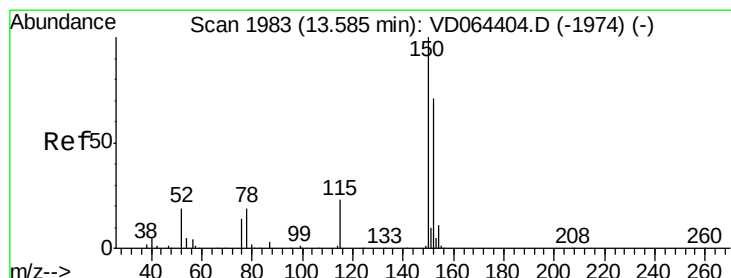
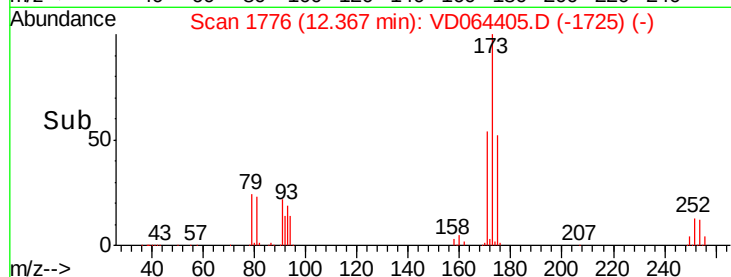
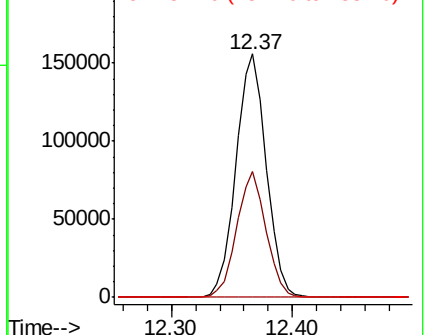
173 100

175 50.2 25.3 75.8

254 0.1 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# 1983

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

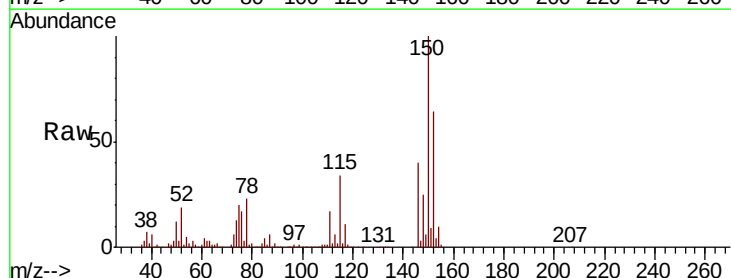
Tgt Ion:152 Resp: 317698

Ion Ratio Lower Upper

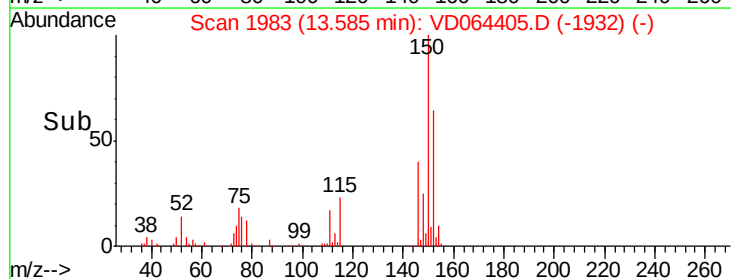
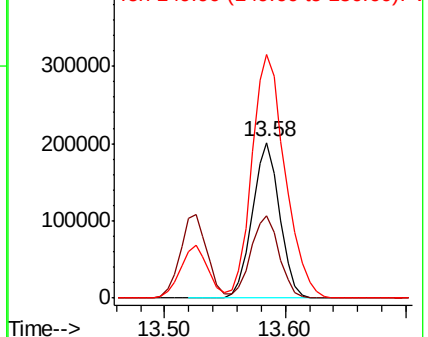
152 100

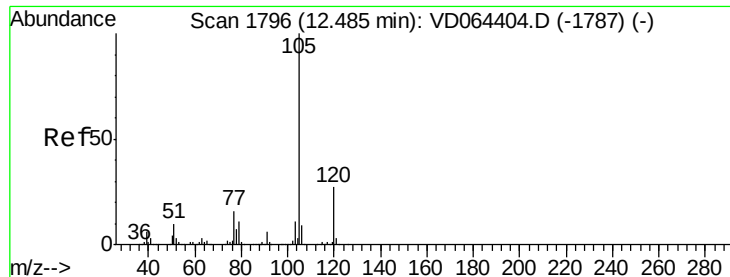
115 54.3 26.7 80.1

150 189.9 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: 96.030 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

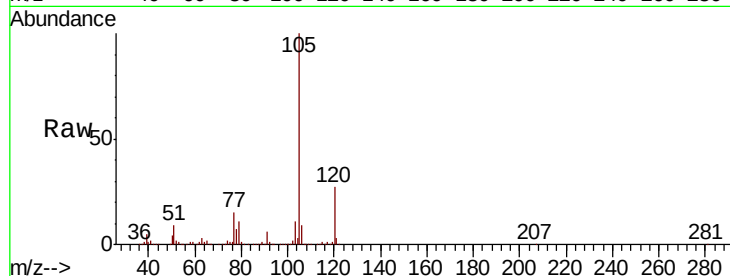
ClientSampled :

Tot Ion:105 Resp: 2221620

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

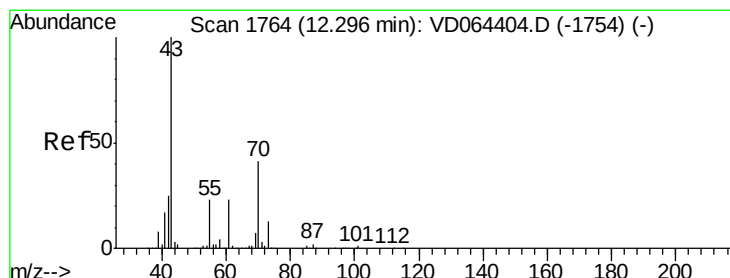
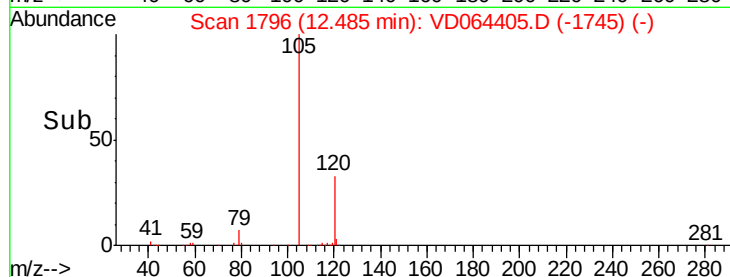
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 88.443 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Tgt Ion: 43 Resp: 483571

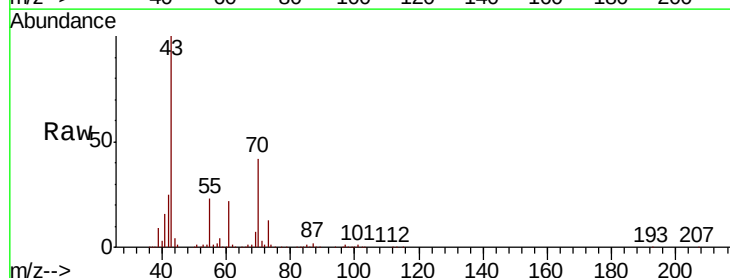
Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.2

55 23.0 18.9 28.3

61 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

500000

400000

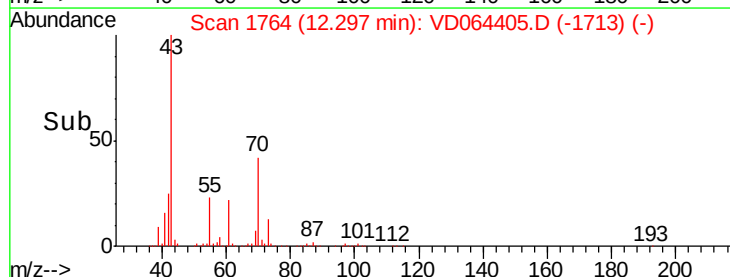
300000

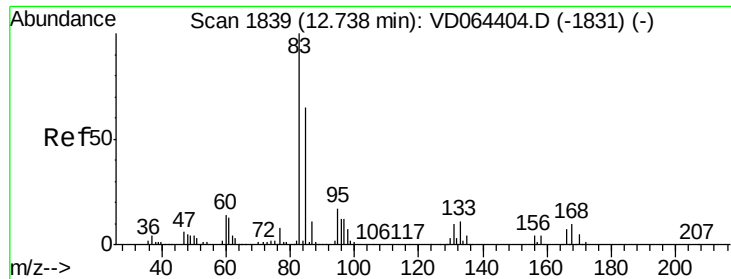
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 94.361 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

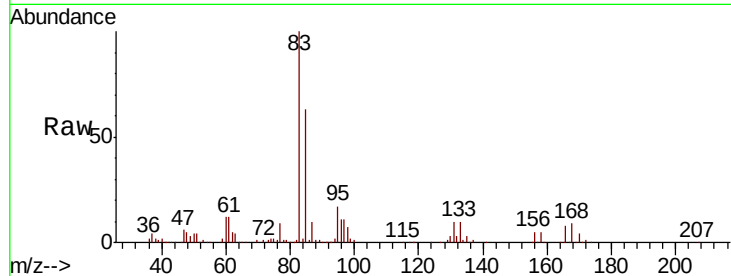
Tot Ion: 83 Resp: 335487

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.0

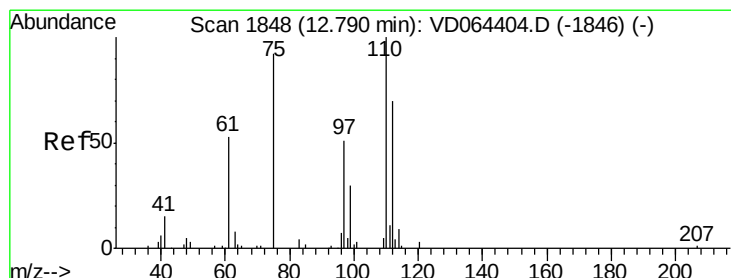
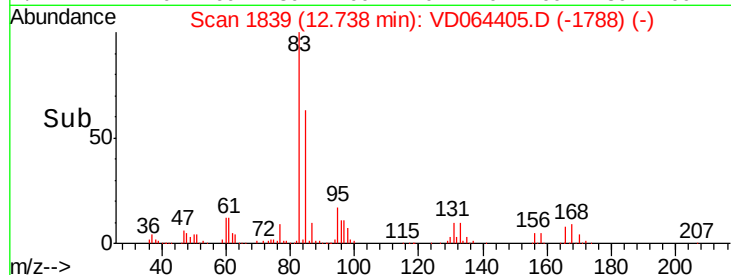
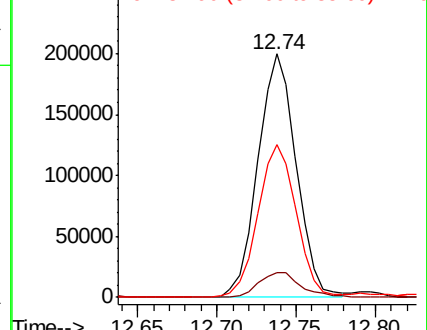
85 63.0 31.3 93.9



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: 176.641 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064405.D

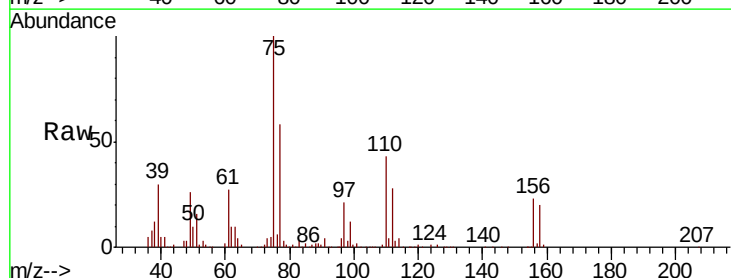
Acq: 27 Nov 2019 19:46

Tgt Ion: 75 Resp: 447902

Ion Ratio Lower Upper

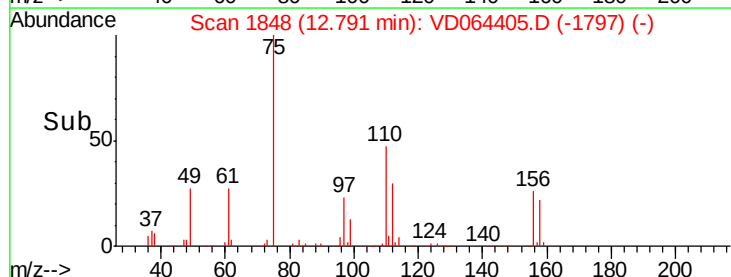
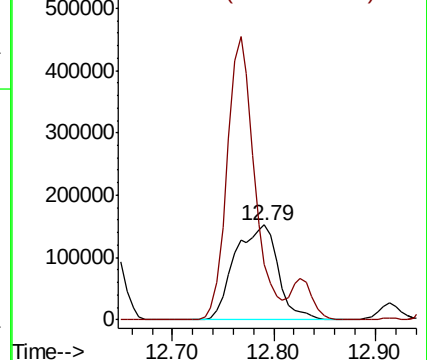
75 100

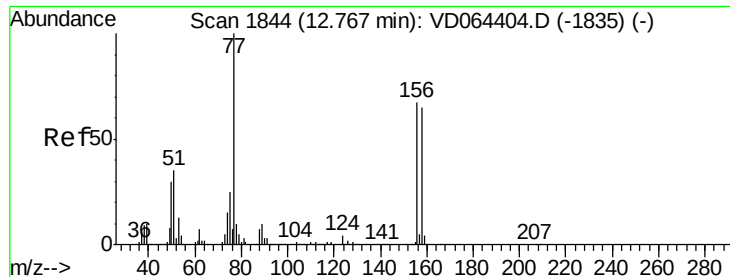
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 94.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

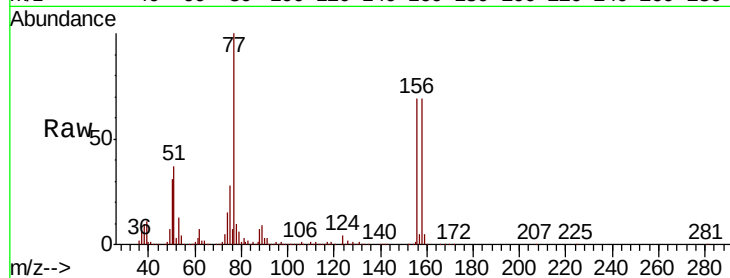
Tot Ion:156 Resp: 534166

Ion Ratio Lower Upper

156 100

77 160.0 80.0 240.2

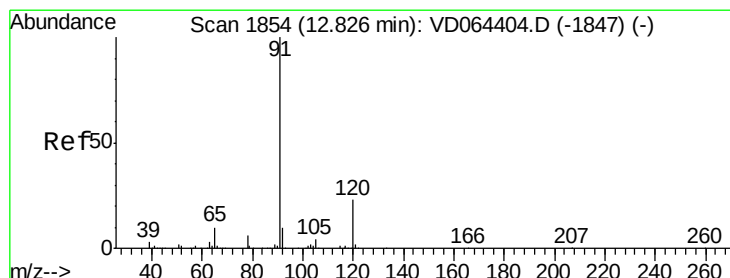
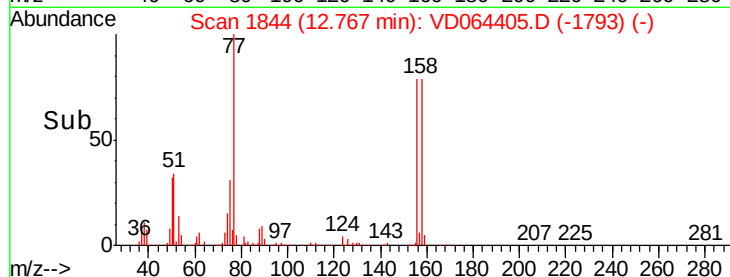
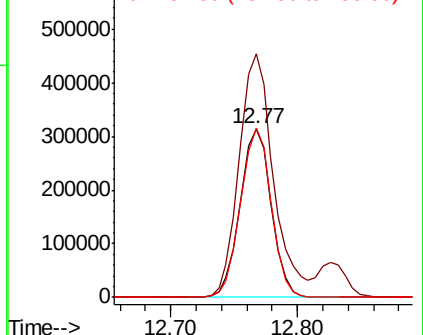
158 99.3 48.9 146.6



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: 97.516 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064405.D

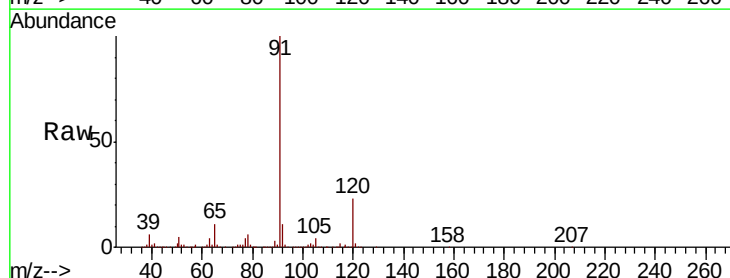
Acq: 27 Nov 2019 19:46

Tgt Ion: 91 Resp: 2578074

Ion Ratio Lower Upper

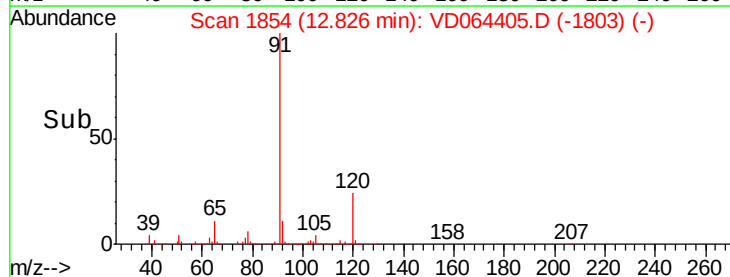
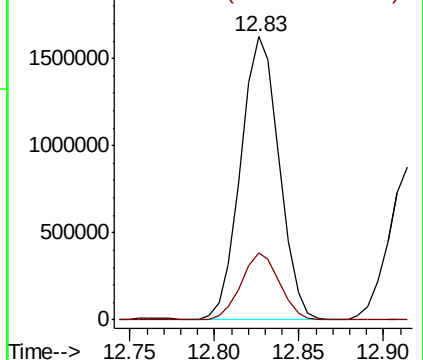
91 100

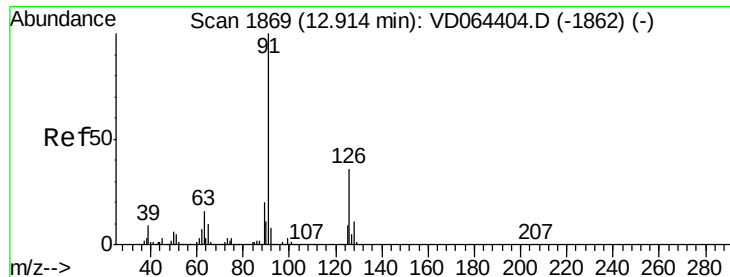
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

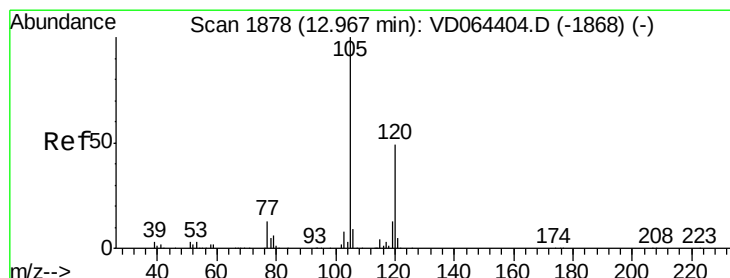
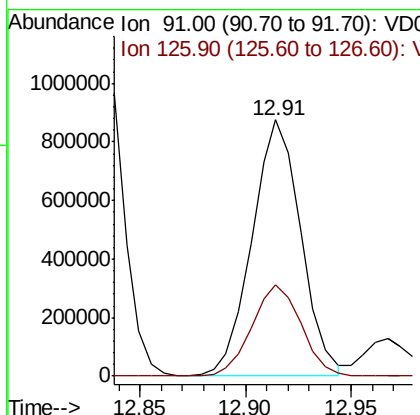
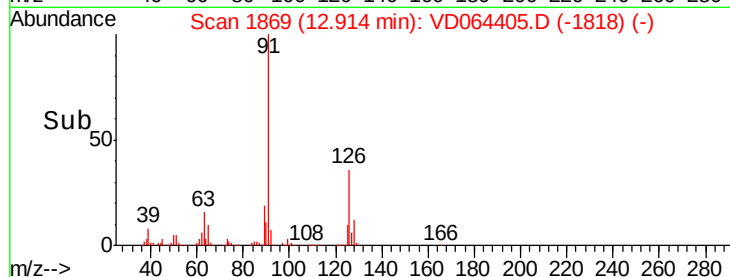
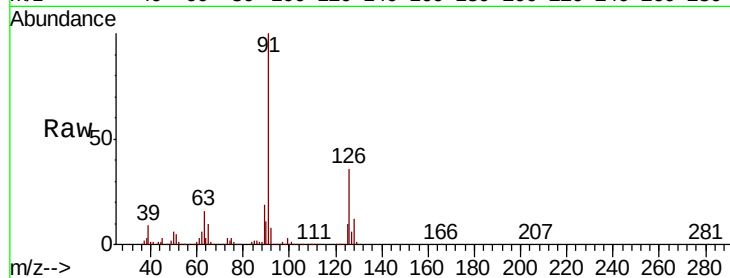




#79
 2-Chlorotoluene
 Concen: 94.619 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

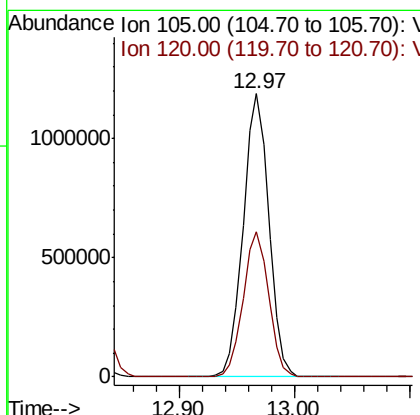
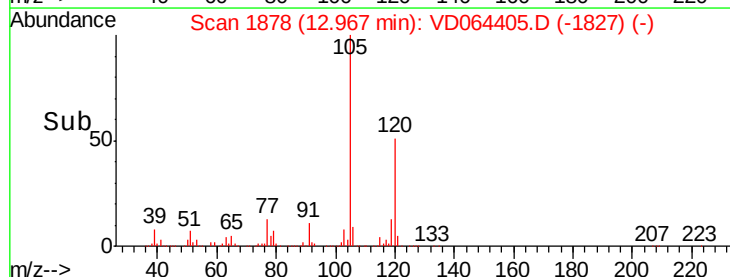
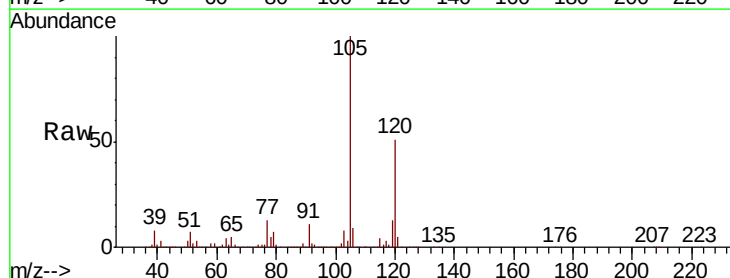
Instrument :
 MSVOA_D
 ClientSampleId :

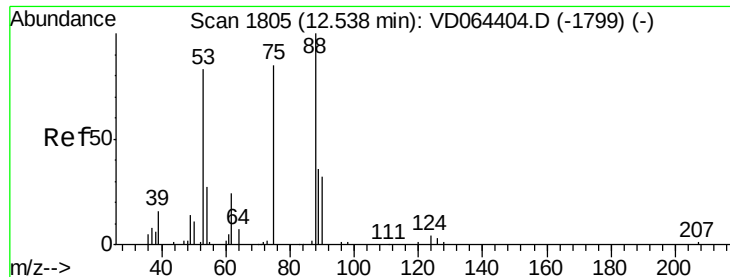
Tot Ion: 91 Resp: 1407839
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 96.273 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 105 Resp: 1831899
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.1 75.3

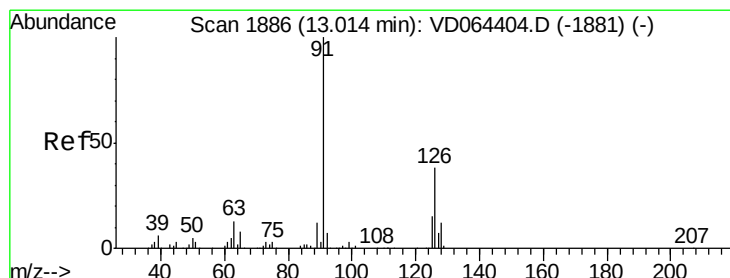
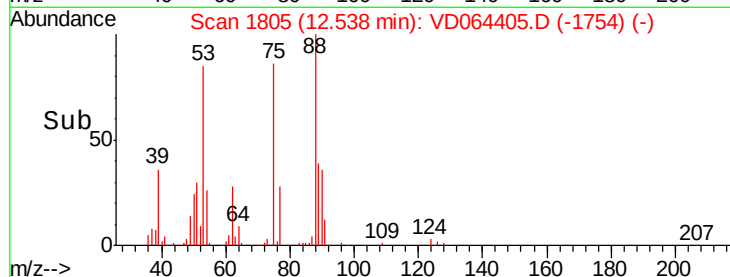
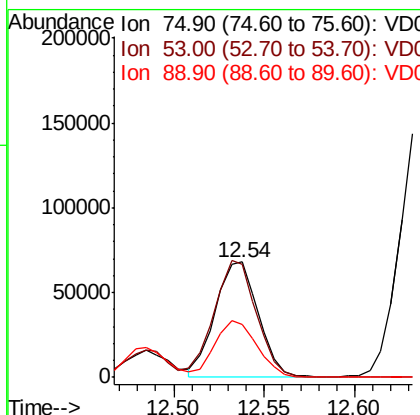
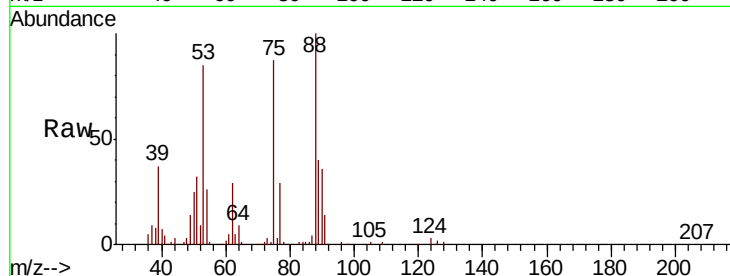




#81
trans-1,4-Dichloro-2-butene
Concen: 88.812 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

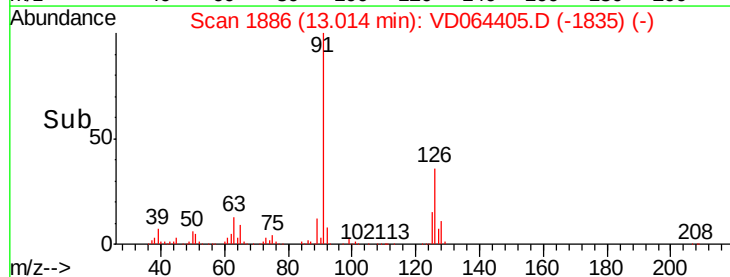
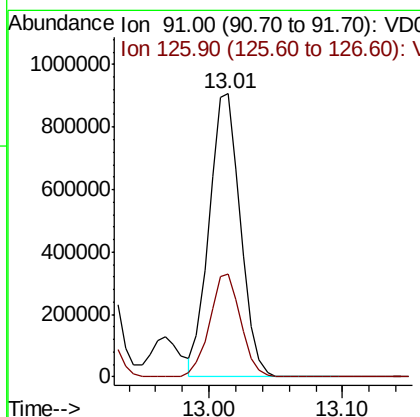
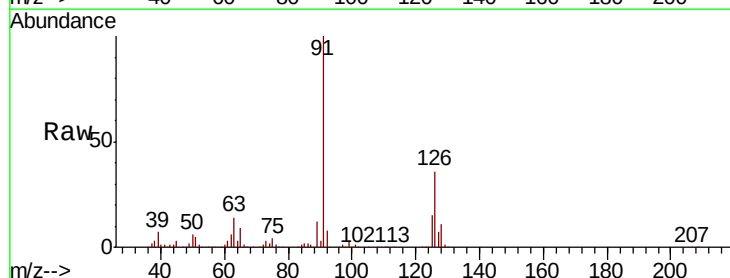
Instrument :
MSVOA_D
ClientSampled :

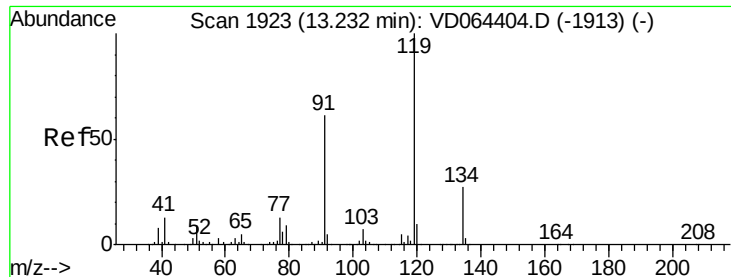
Tot Ion: 75 Resp: 112758
Ion Ratio Lower Upper
75 100
53 100.7 81.0 121.6
89 47.9 38.5 57.7



#82
4-Chlorotoluene
Concen: 95.497 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 91 Resp: 1485673
Ion Ratio Lower Upper
91 100
126 36.4 18.2 54.6

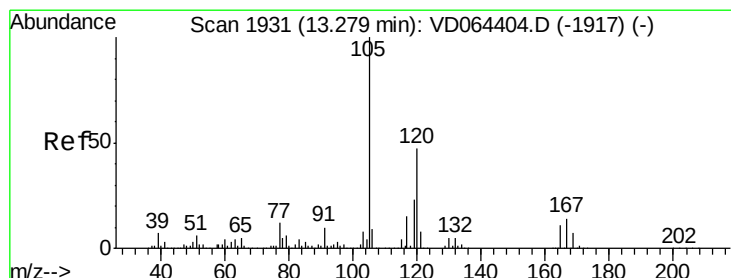
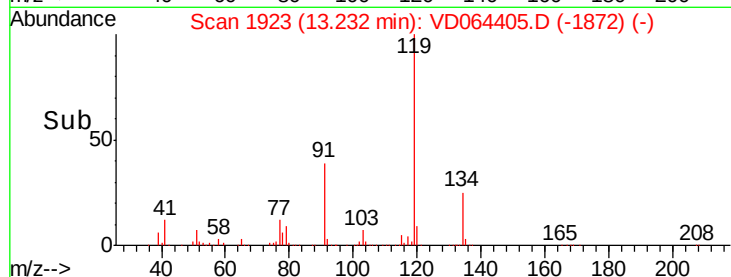
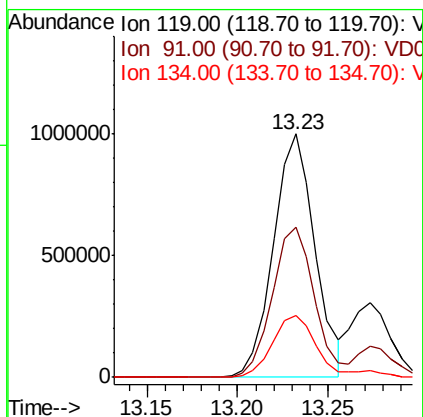
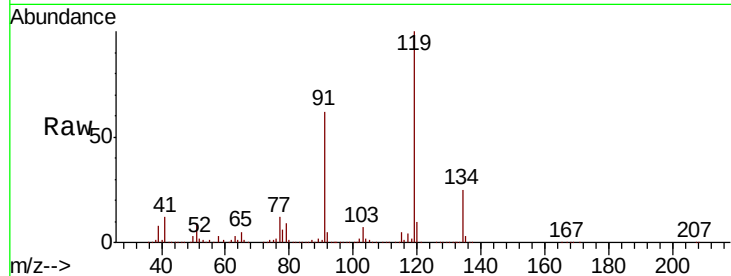




#83
tert-Butylbenzene
Concen: 95.788 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

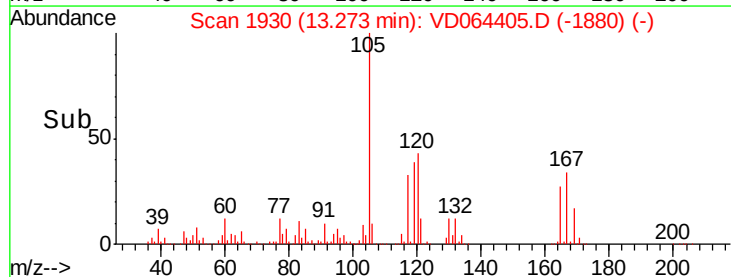
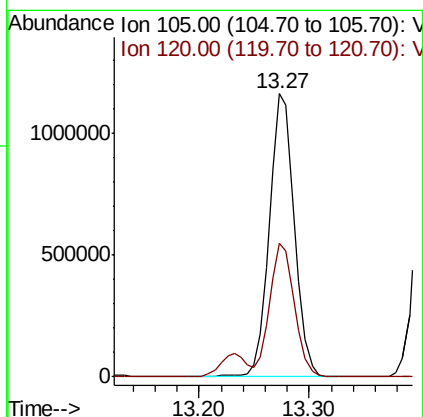
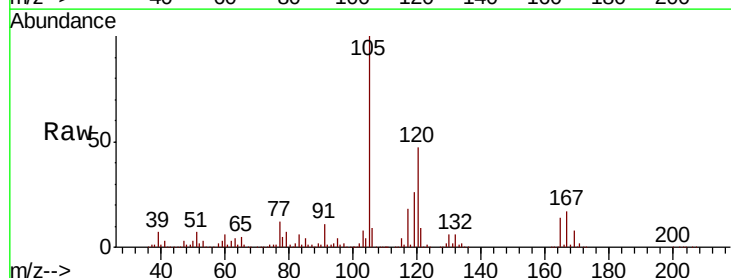
Instrument :
MSVOA_D
ClientSampleId :

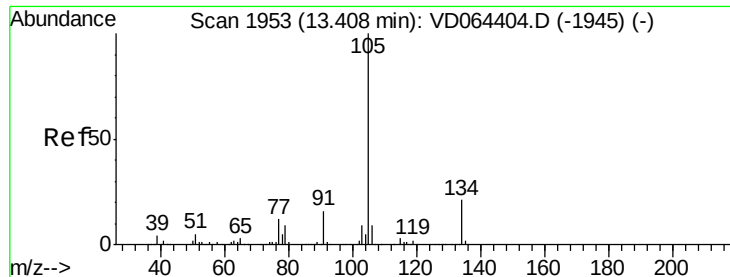
Tot Ion:119 Resp: 1599336
Ion Ratio Lower Upper
119 100
91 63.4 31.2 93.6
134 26.3 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 98.013 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:105 Resp: 1841247
Ion Ratio Lower Upper
105 100
120 46.5 23.6 70.8





#85

sec-Butylbenzene

Concen: 96.518 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

Instrument :

MSVOA_D

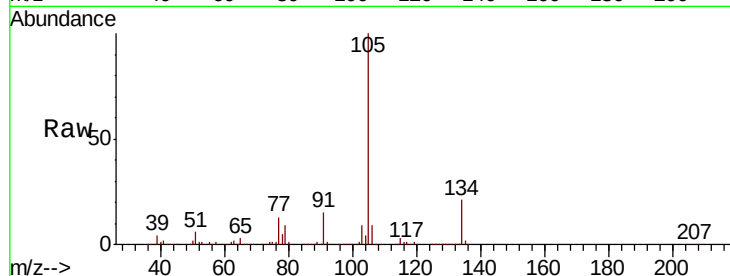
ClientSampleId :

Tot Ion:105 Resp: 2173181

Ion Ratio Lower Upper

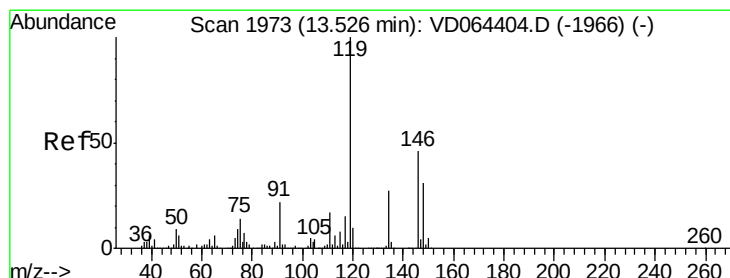
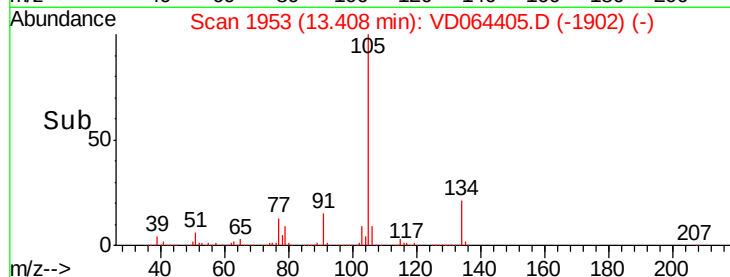
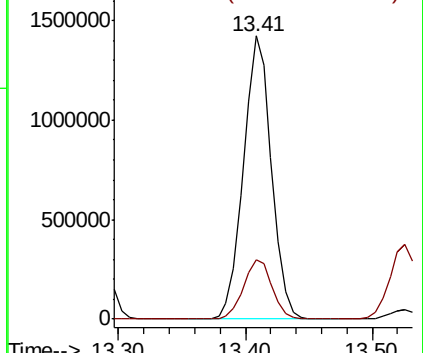
105 100

134 21.4 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: 98.639 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064405.D

Acq: 27 Nov 2019 19:46

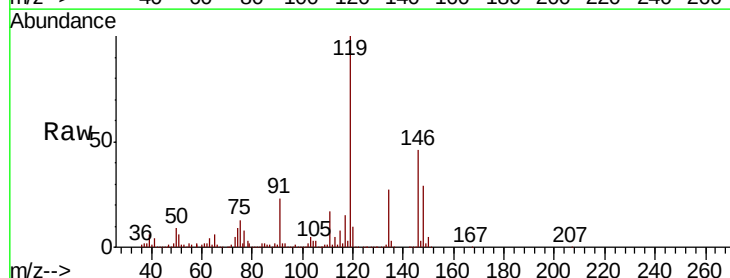
Tgt Ion:119 Resp: 2109774

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

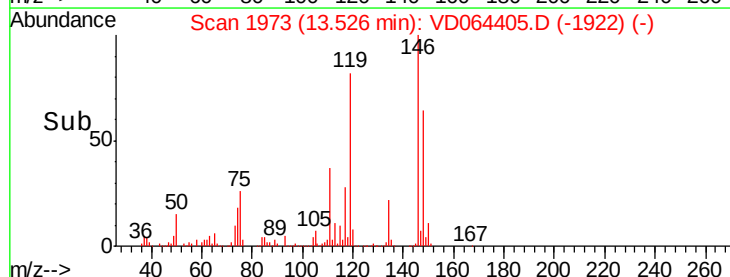
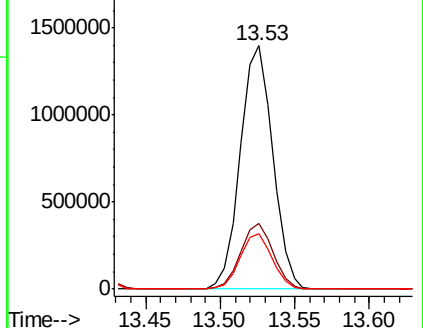
91 22.4 11.2 33.5

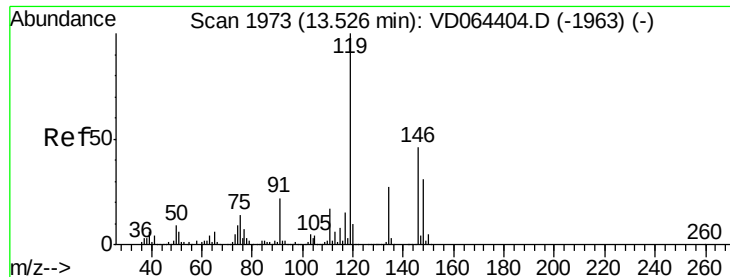


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

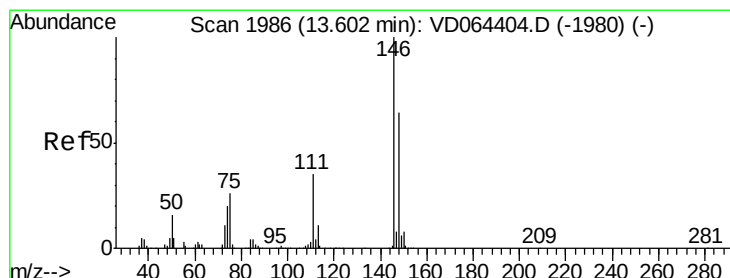
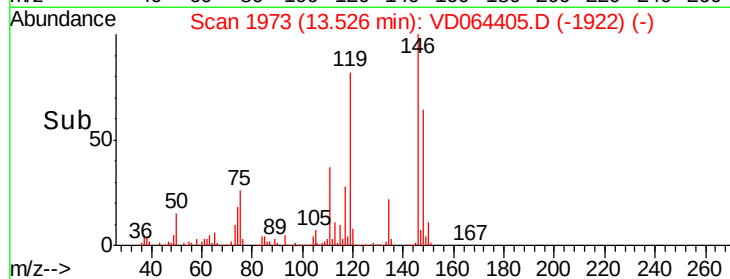
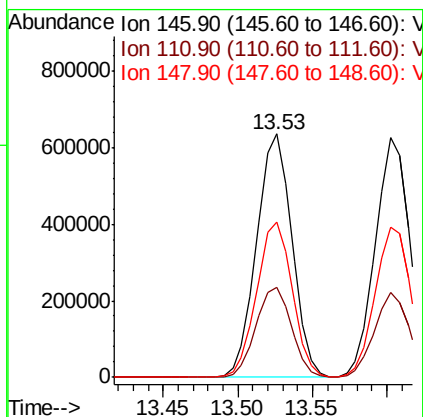
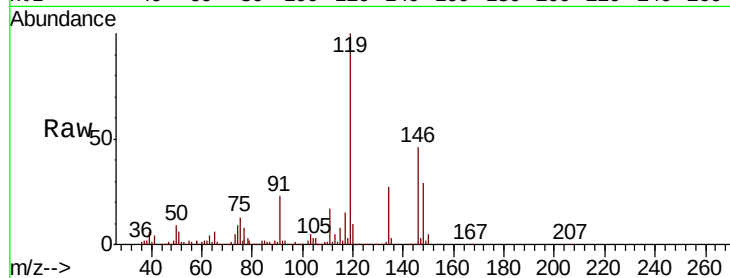




#87
 1,3-Dichlorobenzene
 Concen: 99.494 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

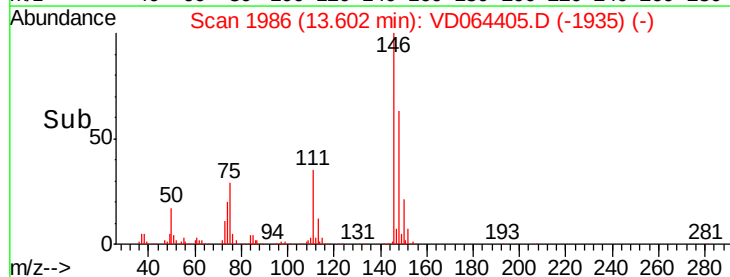
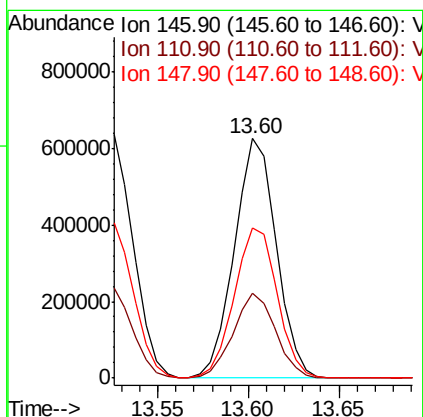
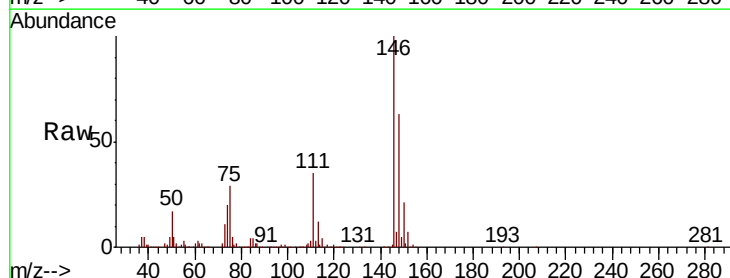
Instrument :
 MSVOA_D
 ClientSampleId :

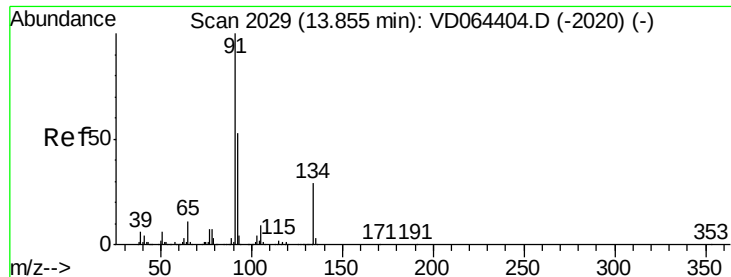
Tot Ion:146 Resp: 1045450
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.0 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 98.224 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion:146 Resp: 1004328
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.2 54.6
 148 64.4 31.8 95.4

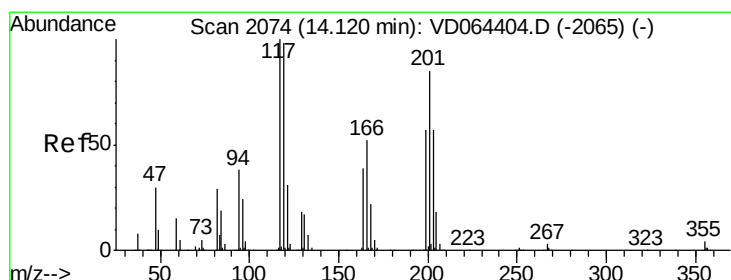
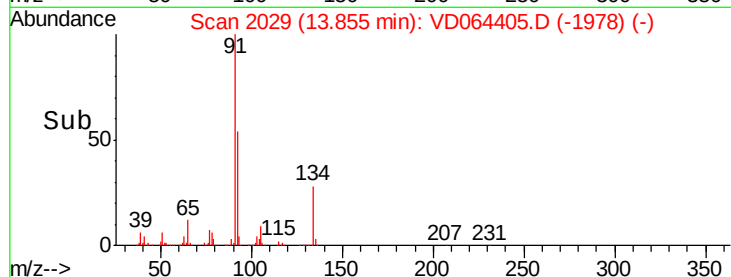
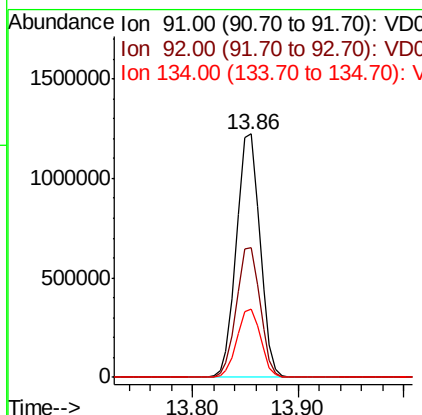
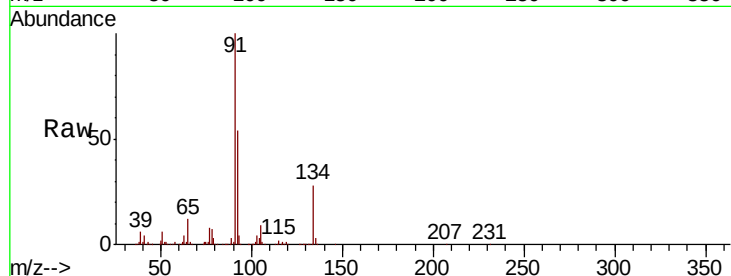




#89
n-Butylbenzene
Concen: 97.259 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

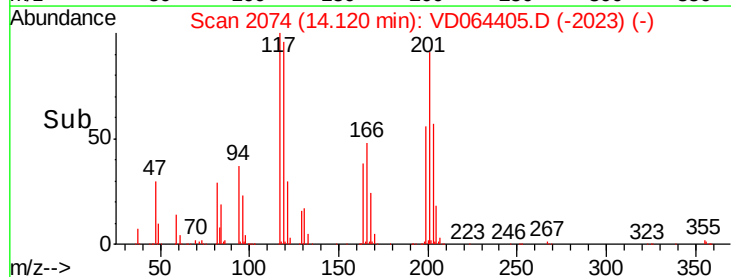
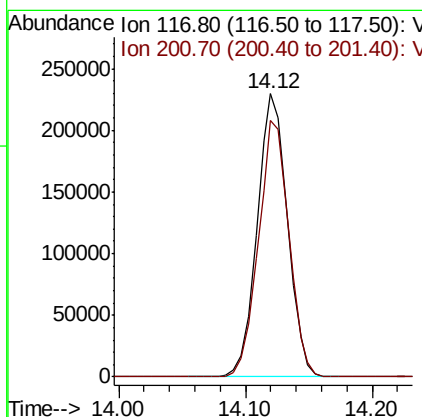
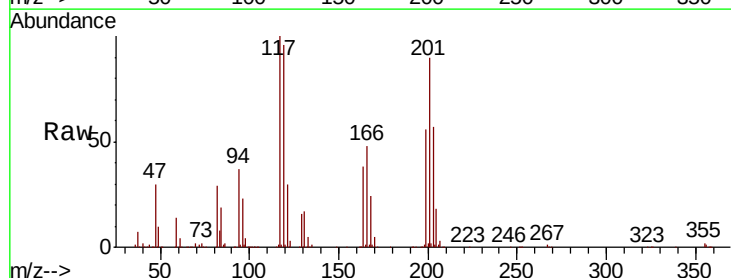
Instrument :
MSVOA_D
ClientSampleId :

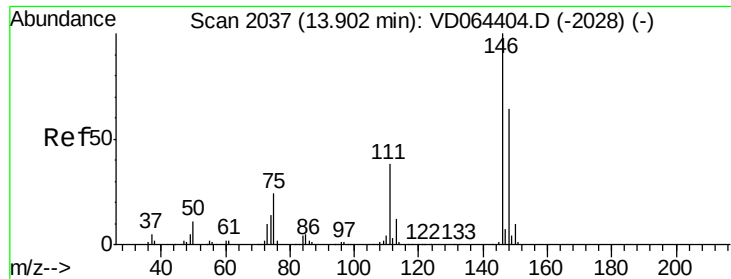
Tot Ion: 91 Resp: 1880247
Ion Ratio Lower Upper
91 100
92 53.7 26.5 79.4
134 28.1 13.9 41.7



#90
Hexachloroethane
Concen: 96.494 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion: 117 Resp: 382651
Ion Ratio Lower Upper
117 100
201 91.1 44.3 132.8

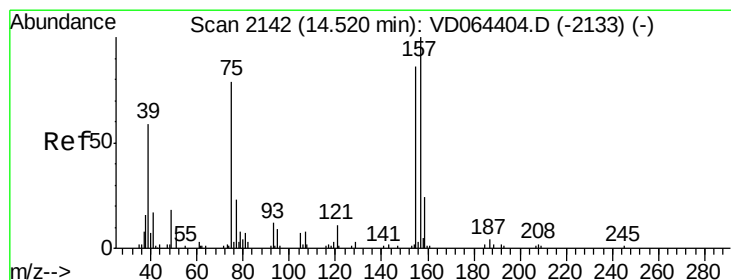
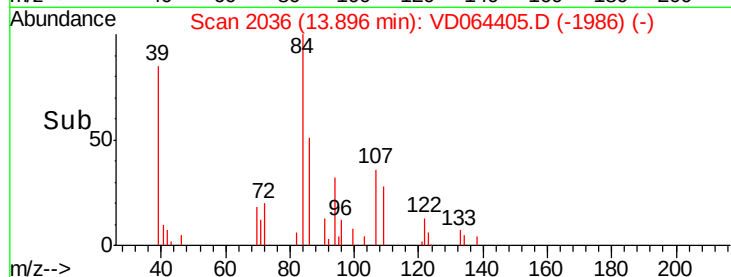
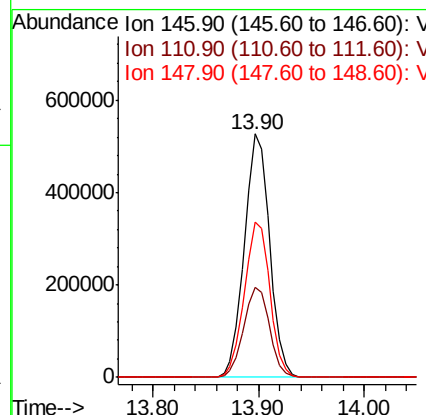
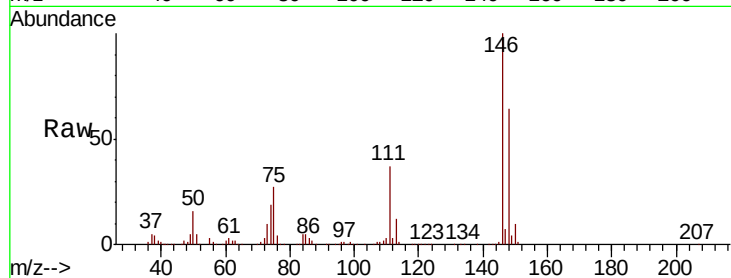




#91
 1,2-Dichlorobenzene
 Concen: 97.758 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

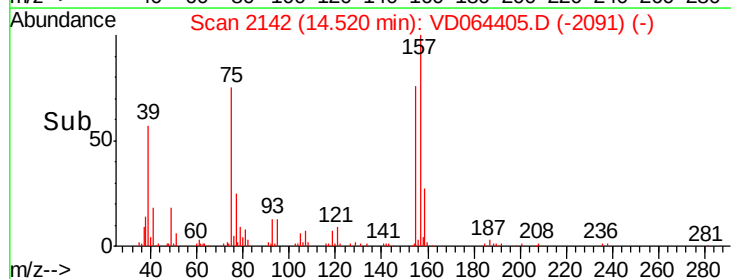
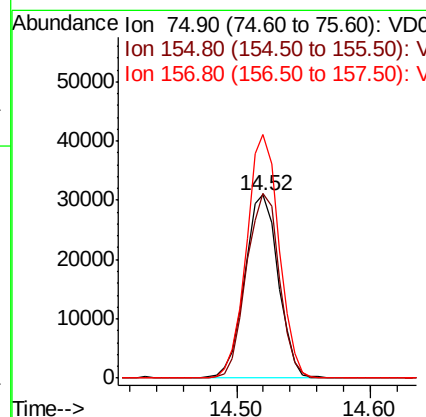
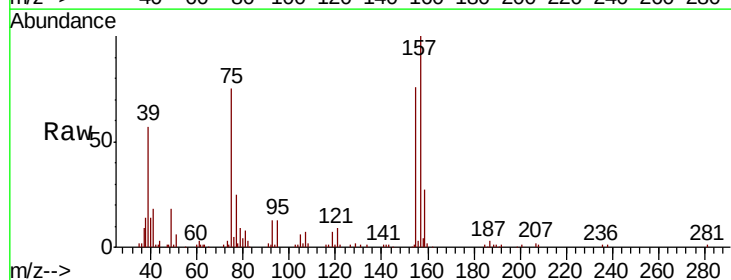
Instrument :
 MSVOA_D
 ClientSampleId :

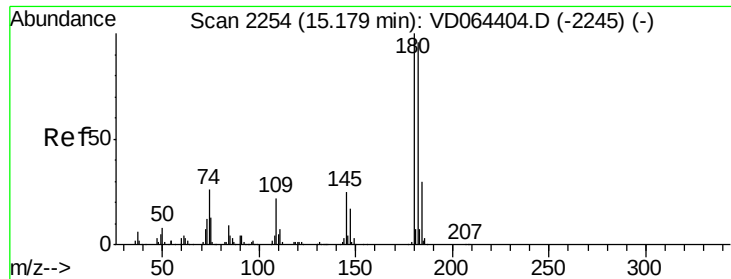
Tot Ion:146 Resp: 871702
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.3
 148 64.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.223 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion: 75 Resp: 53766
 Ion Ratio Lower Upper
 75 100
 155 98.2 51.9 155.7
 157 128.0 63.2 189.8

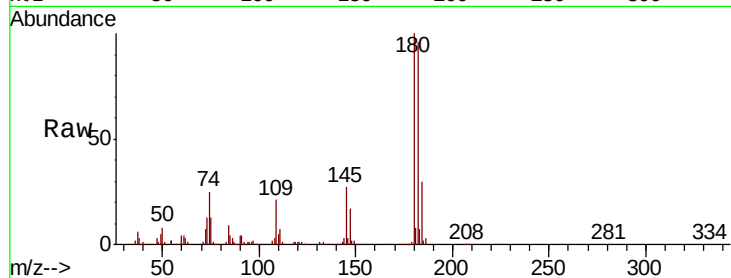




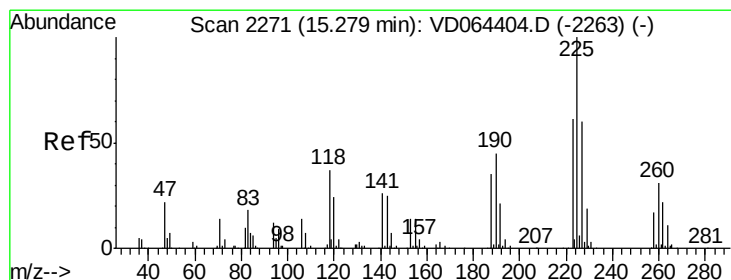
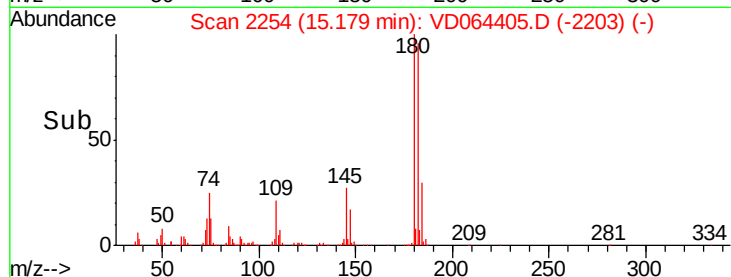
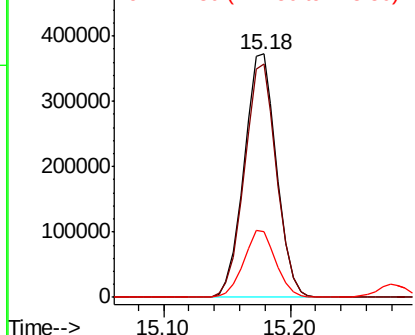
#93
 1,2,4-Trichlorobenzene
 Concen: 96.355 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	27.3	14.0	41.9

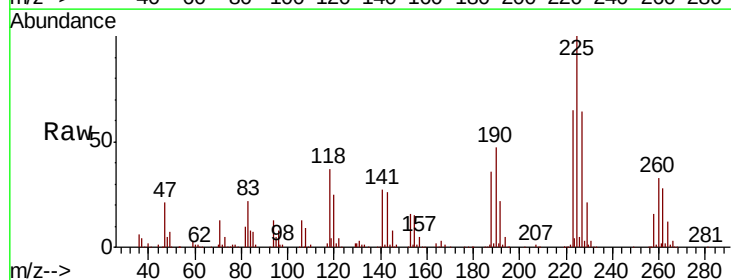


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

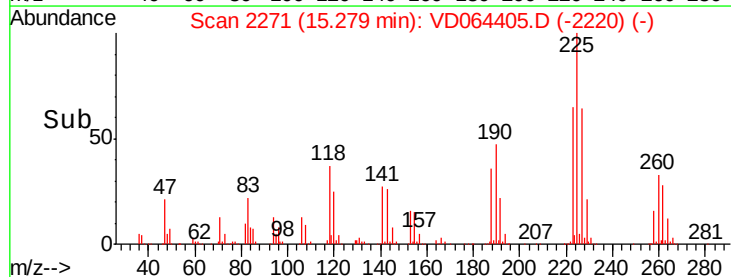
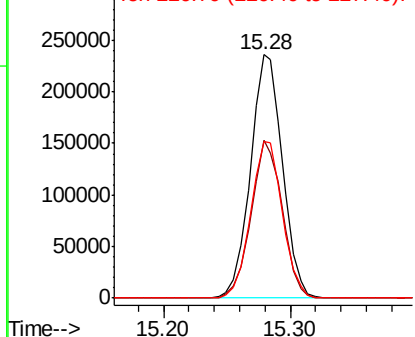


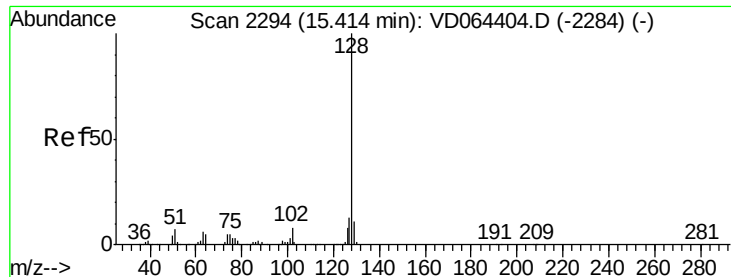
#94
 Hexachlorobutadiene
 Concen: 93.976 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064405.D
 Acq: 27 Nov 2019 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.3
227	64.1	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

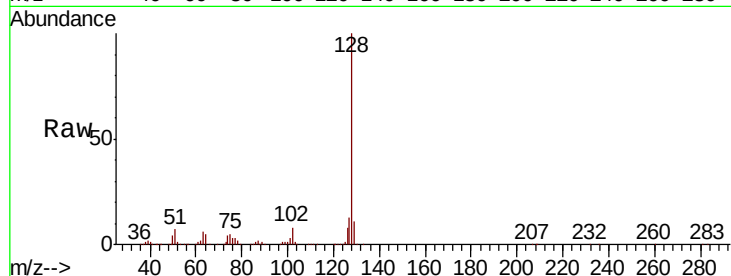




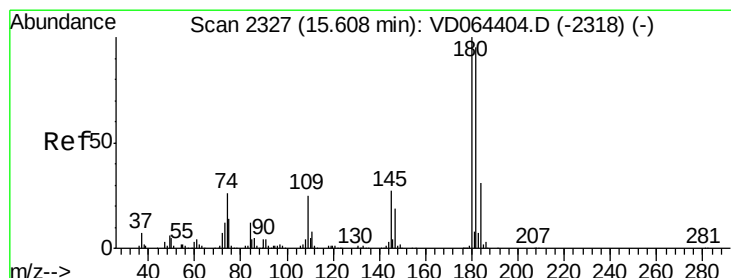
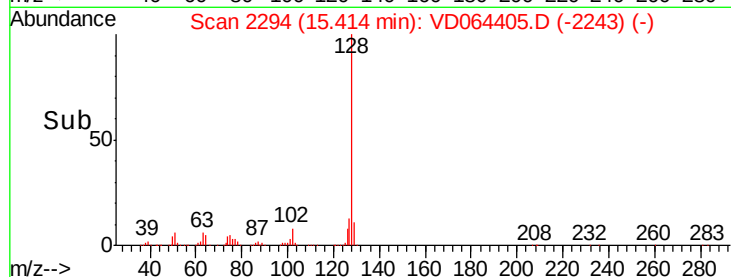
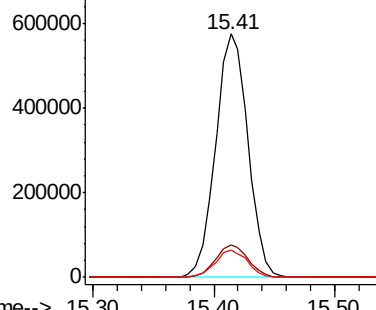
#95
Naphthalene
Concen: 95.055 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1074057
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.2 8.8 13.2

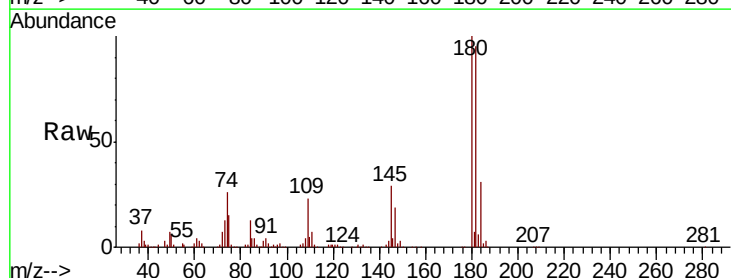


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 94.754 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064405.D
Acq: 27 Nov 2019 19:46

Tgt Ion:180 Resp: 554659
Ion Ratio Lower Upper
180 100
182 96.3 47.6 142.9
145 30.0 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

