

Data File : VV009223.D
Acq On : 18 Jan 2019 16:27
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Quant Time: Jan 19 02:55:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	89476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	156426	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	147763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	74260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.08	65	26567	22.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.42%	
35) Dibromofluoromethane	4.64	113	22308	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	
50) Toluene-d8	7.36	98	85239	21.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.86%	
62) 4-Bromofluorobenzene	10.12	95	33161	21.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	13405	19.401	ug/l	95
3) Chloromethane	1.25	50	21816	22.266	ug/l	99
4) Vinyl Chloride	1.33	62	19538	20.290	ug/l	100
5) Bromomethane	1.53	94	12942	20.551	ug/l	100
6) Chloroethane	1.60	64	12645	21.033	ug/l	99
7) Trichlorofluoromethane	1.76	101	10812	19.303	ug/l	100
8) Diethyl Ether	1.96	74	9892	21.150	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.14	101	18065	20.766	ug/l	97
10) Methyl Iodide	2.26	142	30303	21.606	ug/l	100
11) Tert butyl alcohol	2.66	59	8524	122.897	ug/l	95
12) 1,1-Dichloroethene	2.14	96	18218	21.748	ug/l	92
13) Acrolein	2.06	56	7227	126.978	ug/l	99
14) Allyl chloride	2.42	41	32218	21.322	ug/l	98
15) Acrylonitrile	2.76	53	21488	109.533	ug/l	99
16) Acetone	2.18	43	30397	123.409	ug/l	99
17) Carbon Disulfide	2.32	76	53284	20.541	ug/l	98
18) Methyl Acetate	2.45	43	15994	24.723	ug/l	96
19) Methyl tert-butyl Ether	2.79	73	28955	21.146	ug/l	96
20) Methylene Chloride	2.53	84	21426	22.424	ug/l	92
21) trans-1,2-Dichloroethene	2.78	96	19571	21.174	ug/l	99
22) Diisopropyl ether	3.33	45	74160	21.555	ug/l	97
23) Vinyl Acetate	3.30	43	203248	108.596	ug/l	99
24) 1,1-Dichloroethane	3.22	63	43603	21.535	ug/l	99
25) 2-Butanone	4.02	43	35813	115.890	ug/l	99
26) 2,2-Dichloropropane	3.95	77	23208	20.542	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	24786	20.940	ug/l	98
28) Bromochloromethane	4.29	49	17380	20.436	ug/l	99
29) Tetrahydrofuran	4.39	42	21074	113.889	ug/l	94
30) Chloroform	4.42	83	44908	21.047	ug/l	97
31) Cyclohexane	4.72	56	36232	20.966	ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	35342	20.429	ug/l	99
36) 1,1-Dichloropropene	4.87	75	32386	21.207	ug/l	97
37) Ethyl Acetate	4.13	43	14301	22.151	ug/l	98
38) Carbon Tetrachloride	4.87	117	32460	20.854	ug/l	96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36636	19.962	ug/l	99
40) Benzene	5.14	78	93175	20.973	ug/l	100
41) Methacrylonitrile	4.31	41	8374	22.124	ug/l	97
42) 1,2-Dichloroethane	5.18	62	32379	21.740	ug/l	99
43) Isopropyl Acetate	5.33	43	28355	22.434	ug/l	100
44) Trichloroethene	5.96	130	23833	21.336	ug/l	98
45) 1,2-Dichloropropane	6.22	63	22209	20.026	ug/l	98
46) Dibromomethane	6.35	93	12665	21.624	ug/l	98
47) Bromodichloromethane	6.55	83	33673	21.658	ug/l	100
48) Methyl methacrylate	6.42	41	14030	21.154	ug/l	98
49) 1,4-Dioxane	6.41	88	3219	408.754	ug/l #	88
51) 4-Methyl-2-Pentanone	7.27	43	70848	107.198	ug/l	99
52) Toluene	7.43	92	57599	20.450	ug/l	96
53) t-1,3-Dichloropropene	7.69	75	31230	20.482	ug/l	95
54) cis-1,3-Dichloropropene	7.07	75	35783	20.315	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	17481	22.293	ug/l	97
56) Ethyl methacrylate	7.83	69	20172	20.467	ug/l	95
57) 1,3-Dichloropropane	8.06	76	31764	21.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.94	63	1152	130.079	ug/l #	80
59) 2-Hexanone	8.18	43	52505	110.816	ug/l	97
60) Dibromochloromethane	8.29	129	20156	20.875	ug/l	99
61) 1,2-Dibromoethane	8.40	107	17045	21.749	ug/l	99
64) Tetrachloroethene	8.02	164	19153	20.899	ug/l	96
65) Chlorobenzene	8.93	112	64695	20.804	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	22216	20.117	ug/l	98
67) Ethyl Benzene	9.05	91	114606	20.439	ug/l	100
68) m/p-Xylenes	9.18	106	86628	41.407	ug/l	99
69) o-Xylene	9.59	106	40362	20.106	ug/l	96
70) Styrene	9.60	104	66290	20.132	ug/l	99
71) Bromoform	9.78	173	10640	19.906	ug/l #	98
73) Isopropylbenzene	9.97	105	113286	20.499	ug/l	99
74) N-amyl acetate	9.84	43	24507	20.864	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	21240	21.594	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	22696	30.580	ug/l	81
77) Bromobenzene	10.26	156	25384	21.034	ug/l	97
78) n-propylbenzene	10.40	91	134897	20.438	ug/l	100
79) 2-Chlorotoluene	10.47	91	81735	20.745	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	97588	20.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	5703	20.194	ug/l	97
82) 4-Chlorotoluene	10.58	91	101035	21.292	ug/l	98
83) tert-Butylbenzene	10.91	119	90740	20.372	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	100219	20.848	ug/l	99
85) sec-Butylbenzene	11.13	105	116681	20.383	ug/l	100
86) p-Isopropyltoluene	11.29	119	104469	20.531	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	51706	21.183	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	53064	21.543	ug/l	99
89) n-Butylbenzene	11.70	91	101311	20.284	ug/l	100
90) Hexachloroethane	11.95	117	18806	20.152	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	46858	21.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3675	21.326	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	30936	21.184	ug/l	98
94) Hexachlorobutadiene	13.50	225	17396	20.807	ug/l	99
95) Naphthalene	13.55	128	52342	19.895	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	26243	20.386	ug/l	97

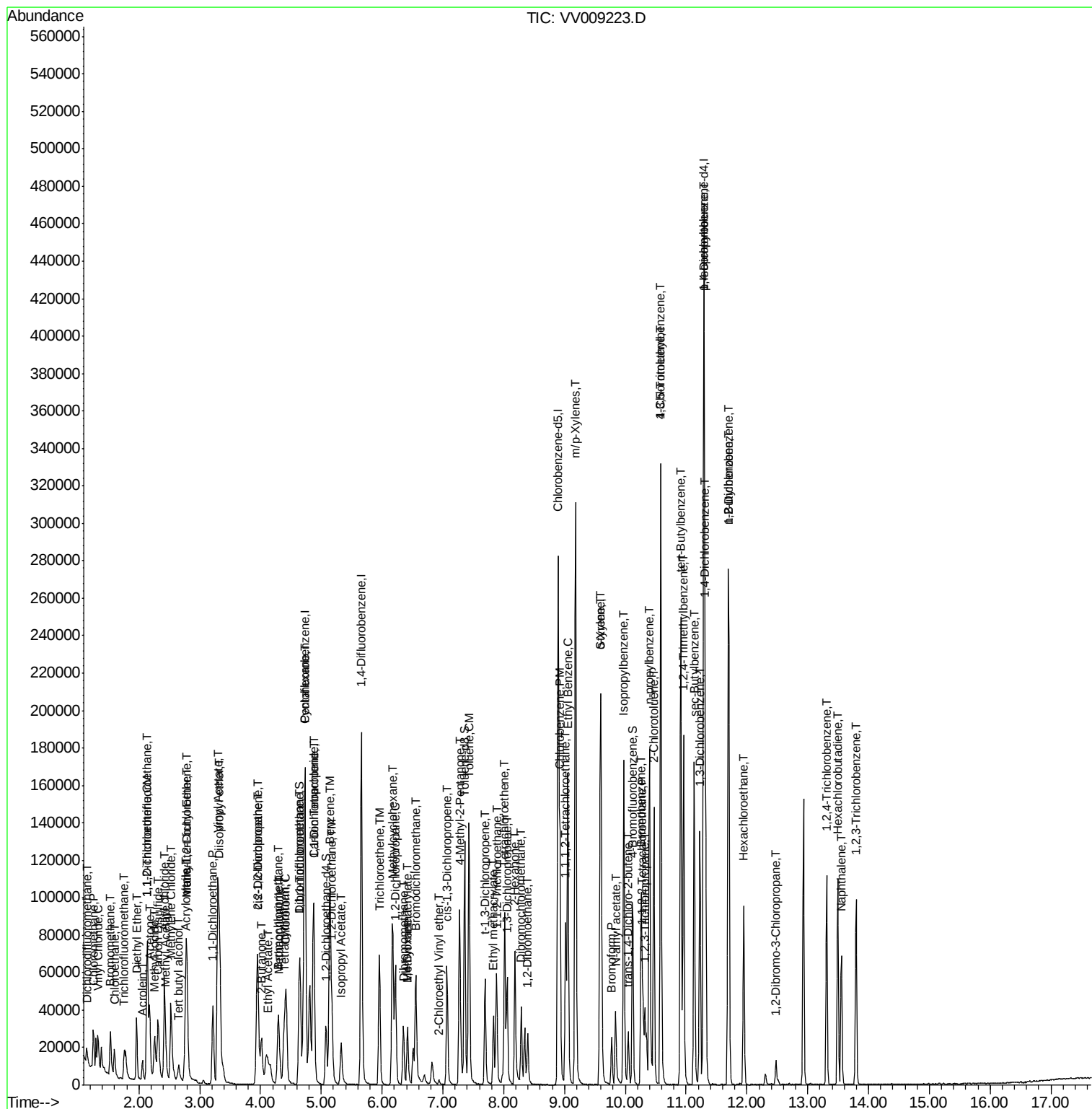
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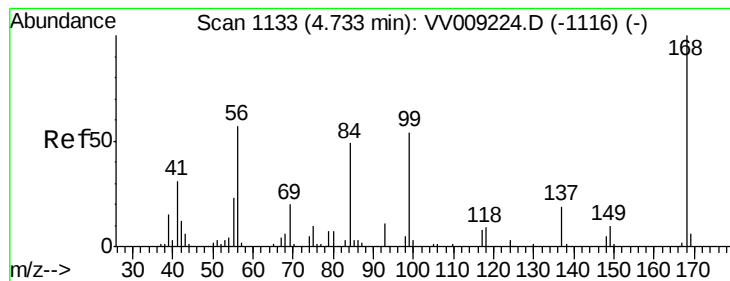
Data File : VV009223.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

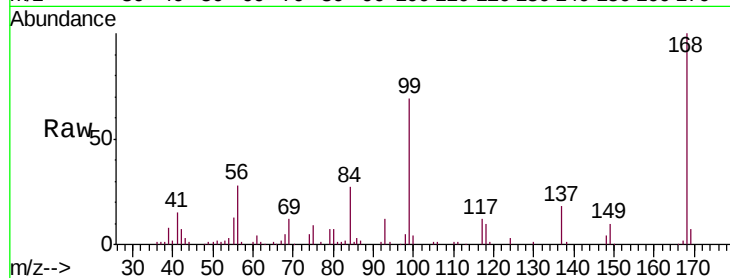
VSTDIC020

Tgt Ion:168 Resp: 89476

Ion Ratio Lower Upper

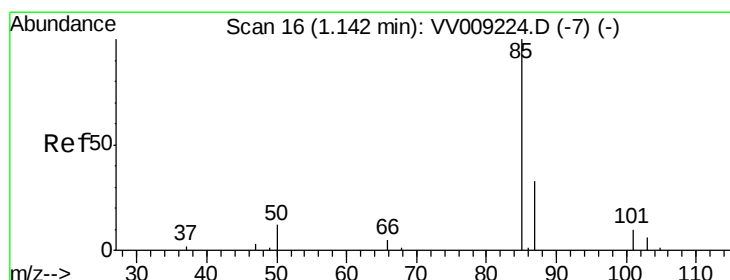
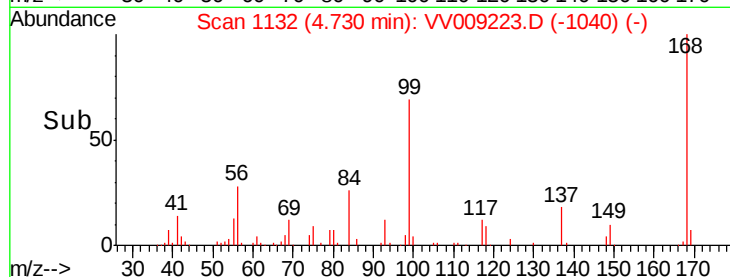
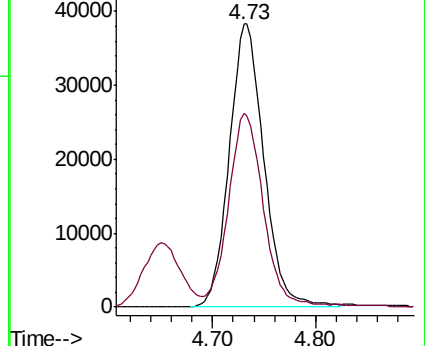
168 100

99 67.7 54.7 82.1



Abundance Ion 167.90 (167.60 to 168.60): VV009223.D

Ion 98.90 (98.60 to 99.60): VV009223.D



#2

Dichlorodifluoromethane

Concen: 19.401 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009223.D

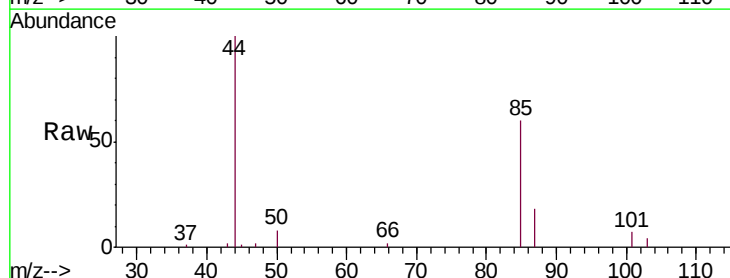
Acq: 18 Jan 2019 16:27

Tgt Ion: 85 Resp: 13405

Ion Ratio Lower Upper

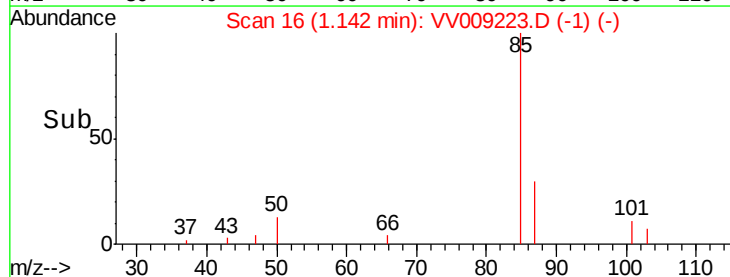
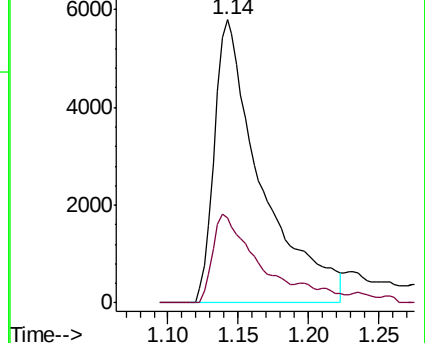
85 100

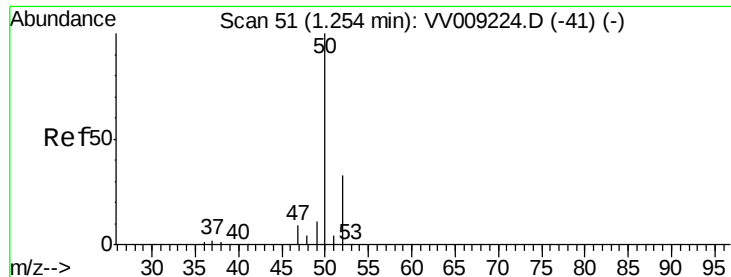
87 30.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VV009223.D

Ion 86.90 (86.60 to 87.60): VV009223.D





#3

Chloromethane

Concen: 22.266 ug/l

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

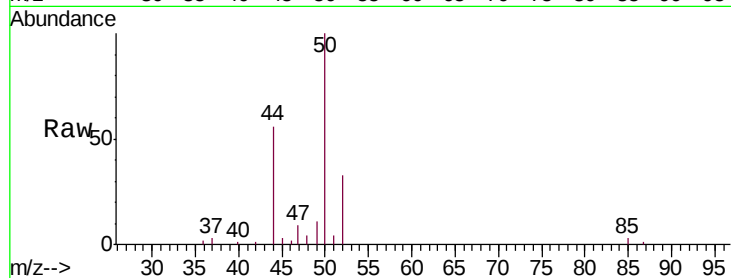
VSTDIC020

Tgt Ion: 50 Resp: 21816

Ion Ratio Lower Upper

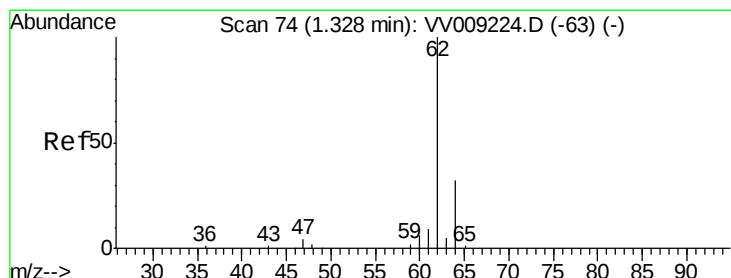
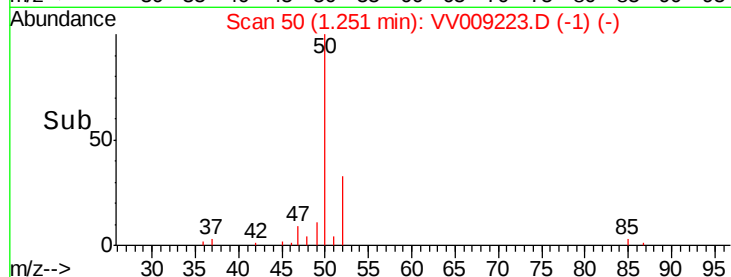
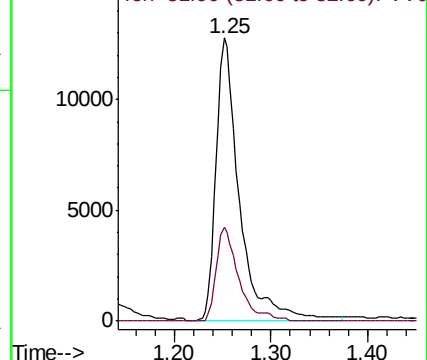
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VV009223.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VV009223.D (-1) (-)



#4

Vinyl Chloride

Concen: 20.290 ug/l

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009223.D

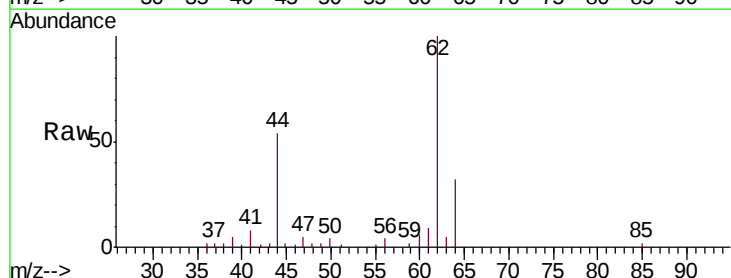
Acq: 18 Jan 2019 16:27

Tgt Ion: 62 Resp: 19538

Ion Ratio Lower Upper

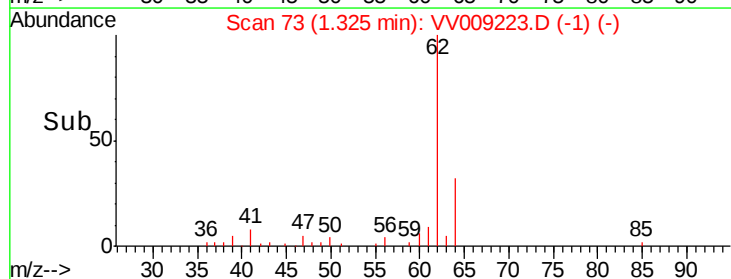
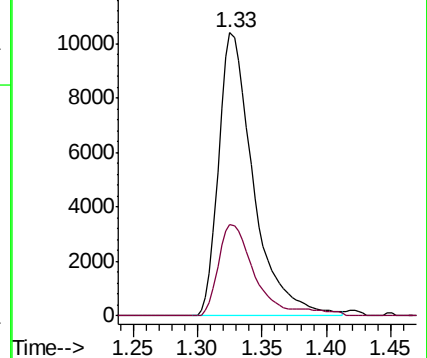
62 100

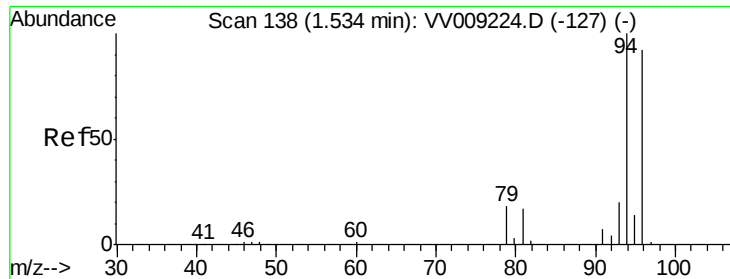
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VV009223.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VV009223.D (-1) (-)

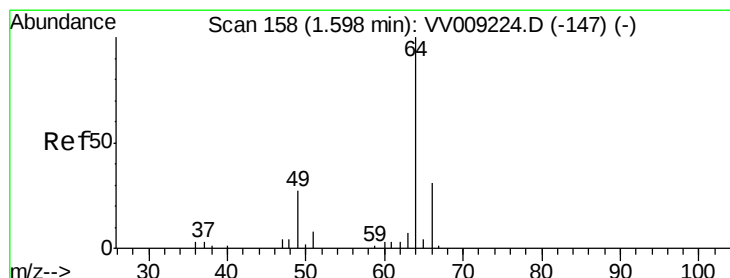
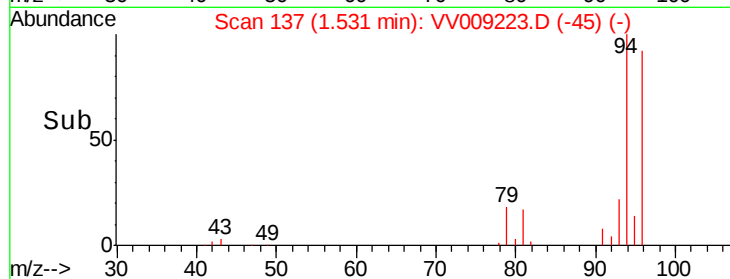
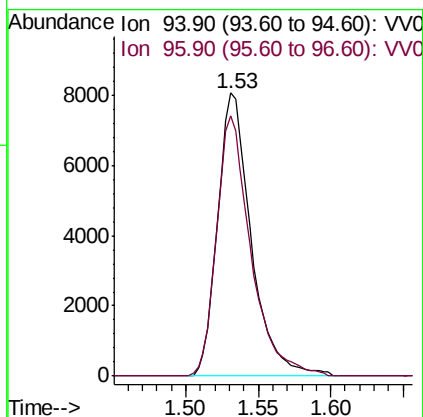
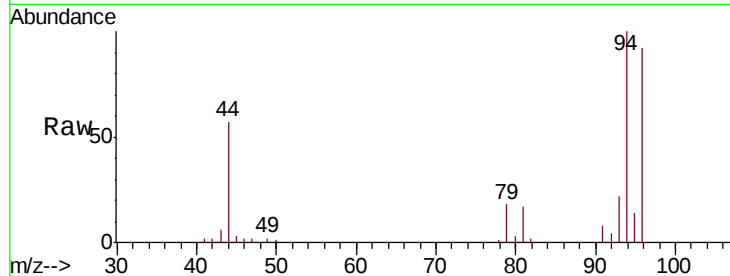




#5
Bromomethane
Concen: 20.551 ug/l
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

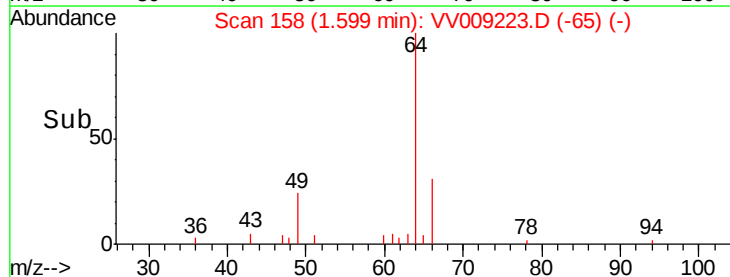
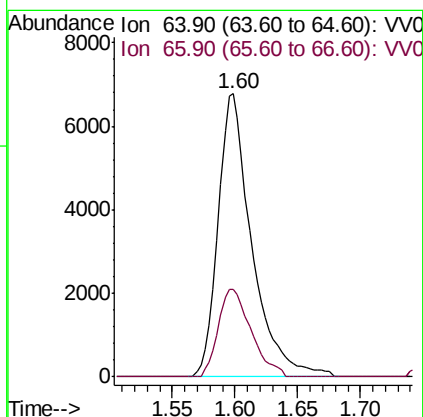
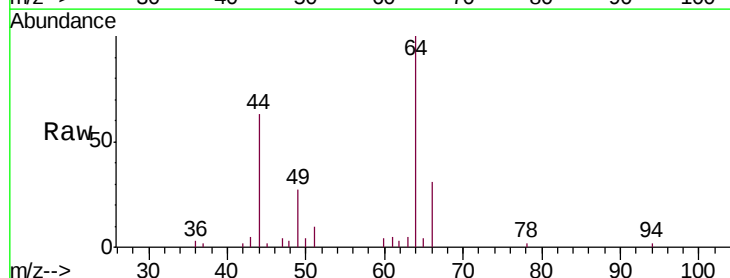
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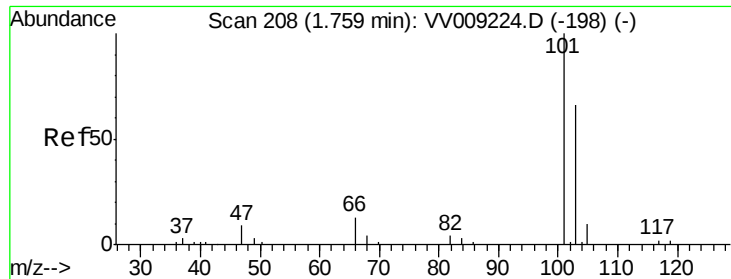
Tgt Ion: 94 Resp: 12942
Ion Ratio Lower Upper
94 100
96 92.2 73.9 110.9



#6
Chloroethane
Concen: 21.033 ug/l
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 64 Resp: 12645
Ion Ratio Lower Upper
64 100
66 30.9 25.1 37.7



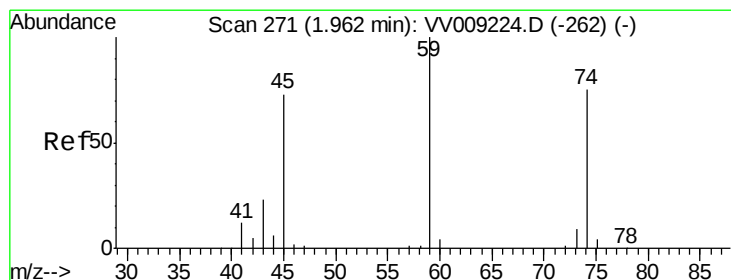
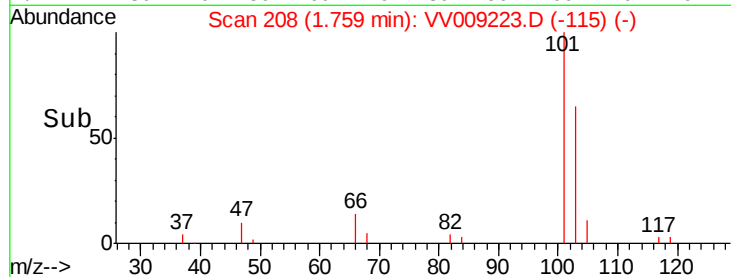
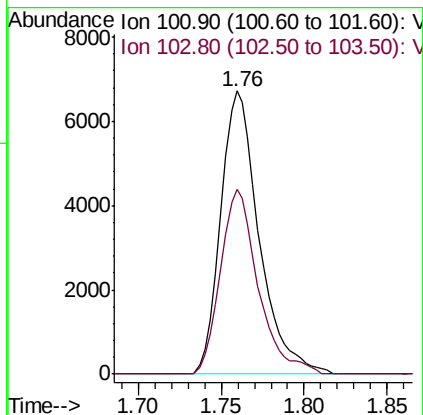
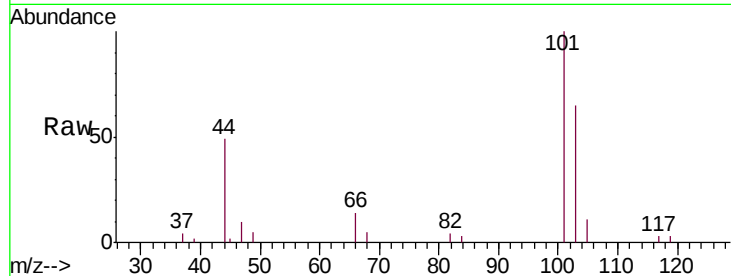


#7

Trichlorofluoromethane
 Concen: 19.303 ug/l
 RT: 1.76 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

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 ClientSampleId :
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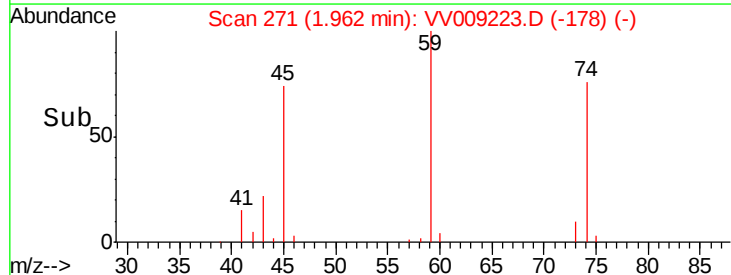
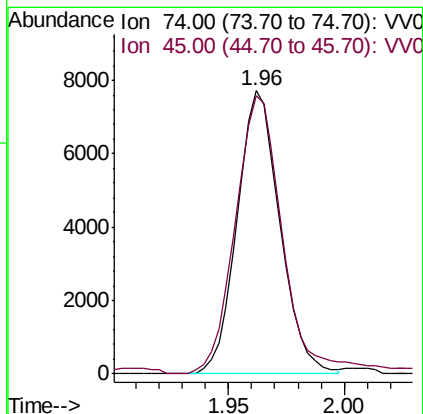
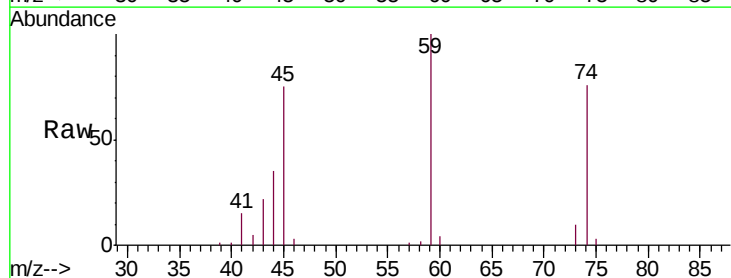
Tgt Ion:101 Resp: 10812
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.6 79.0

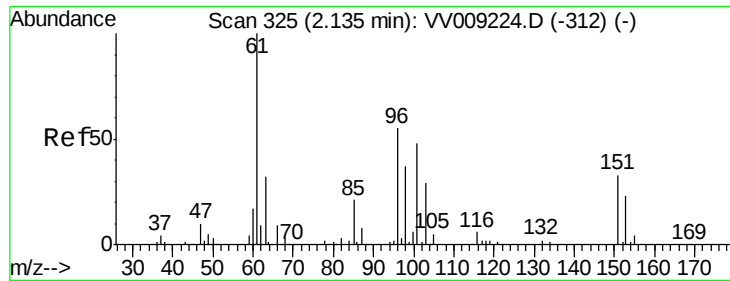


#8

Diethyl Ether
 Concen: 21.150 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 74 Resp: 9892
 Ion Ratio Lower Upper
 74 100
 45 109.6 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.766 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

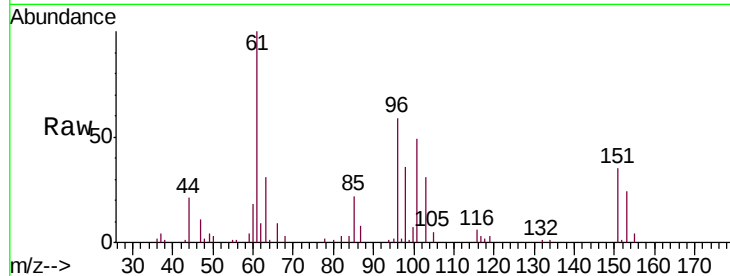
Tgt Ion:101 Resp: 18065

Ion Ratio Lower Upper

101 100

85 42.8 36.2 54.4

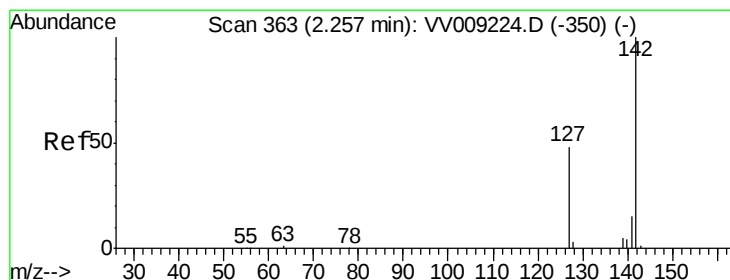
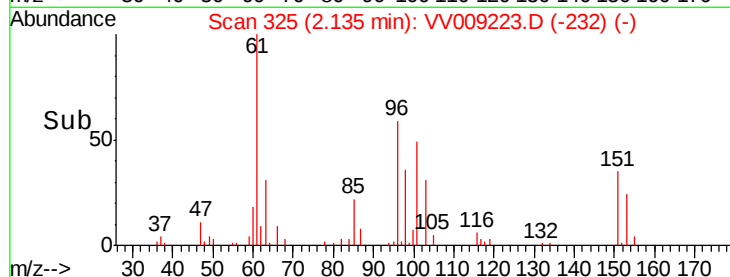
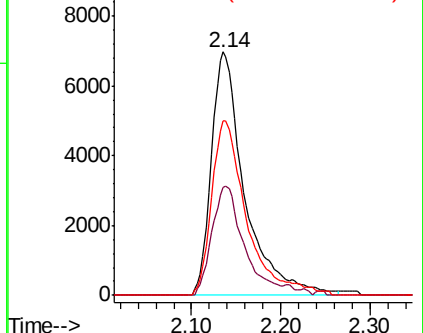
151 74.8 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.606 ug/l

RT: 2.26 min Scan# 363

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

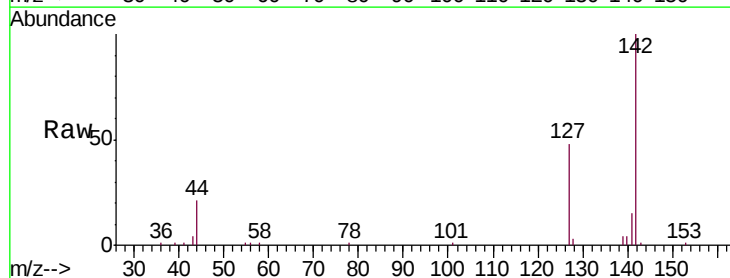
Tgt Ion:142 Resp: 30303

Ion Ratio Lower Upper

142 100

127 49.0 39.0 58.4

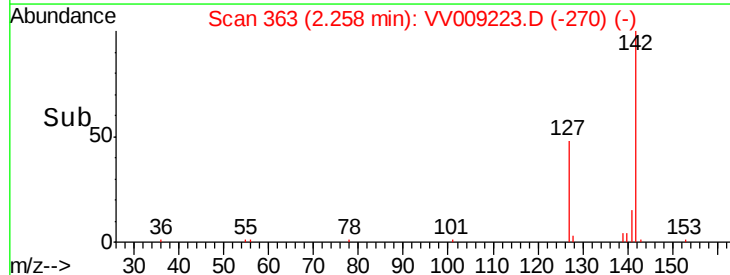
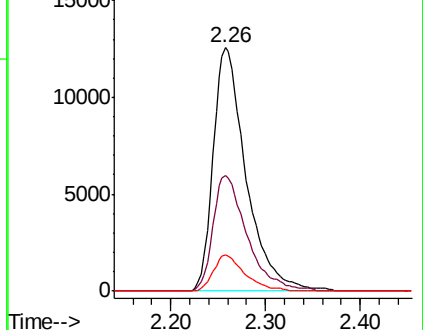
141 14.2 11.4 17.0

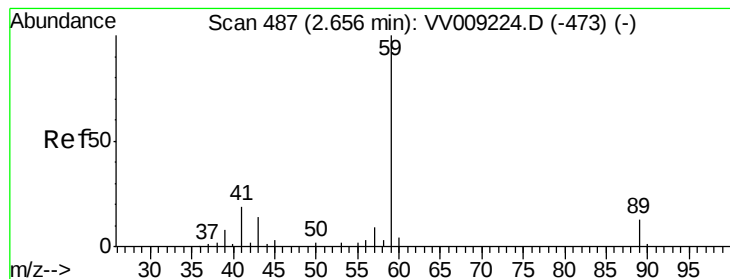


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



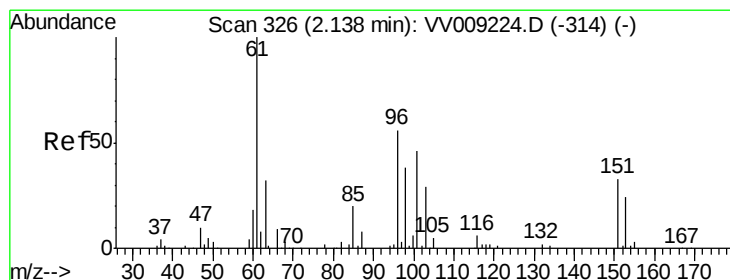
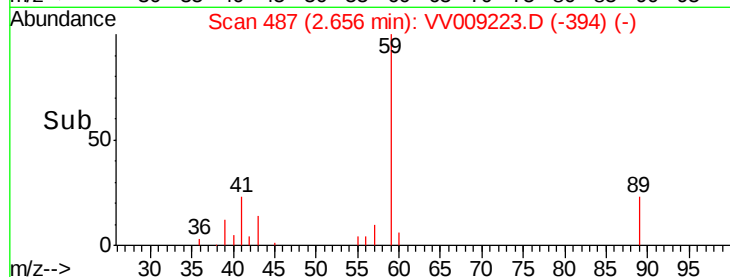
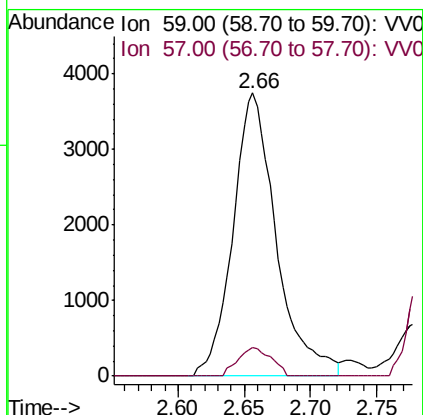
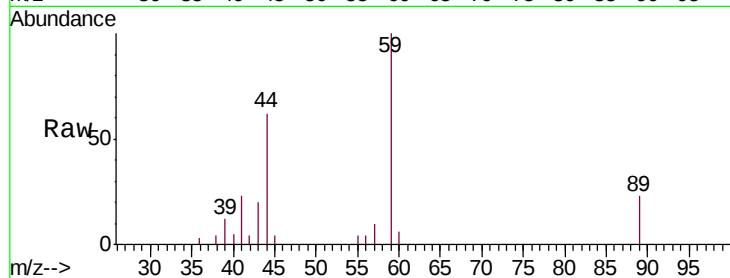


#11

Tert butyl alcohol
 Concen: 122.897 ug/l
 RT: 2.66 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

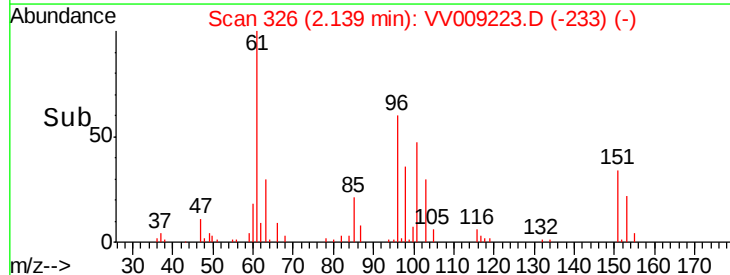
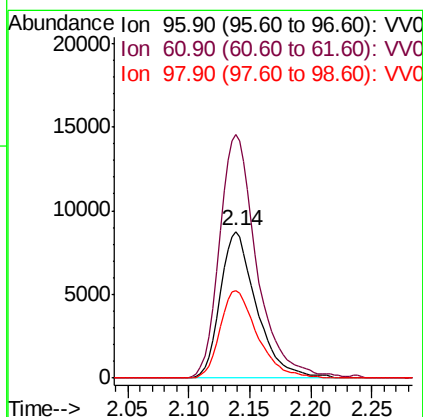
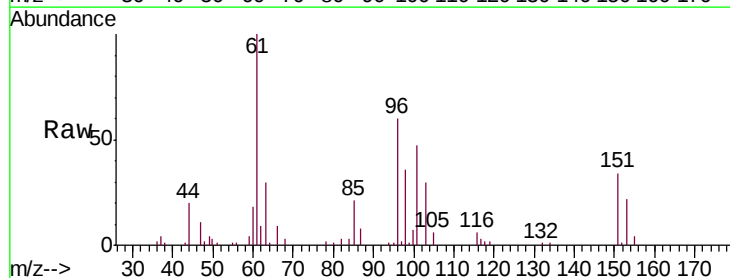
Tgt Ion: 59 Resp: 8524
 Ion Ratio Lower Upper
 59 100
 57 7.7 7.5 11.3

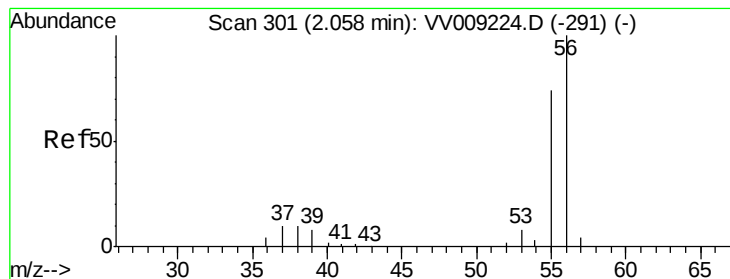


#12

1,1-Dichloroethene
 Concen: 21.748 ug/l
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 96 Resp: 18218
 Ion Ratio Lower Upper
 96 100
 61 165.7 141.9 212.9
 98 59.8 53.3 79.9





#13

Acrolein

Concen: 126.978 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

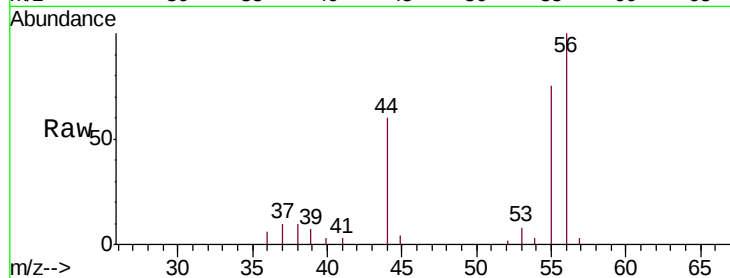
VSTDIC020

Tgt Ion: 56 Resp: 7227

Ion Ratio Lower Upper

56 100

55 69.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VV009223.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009223.D (-291) (-)

2.06

4000

3000

2000

1000

0

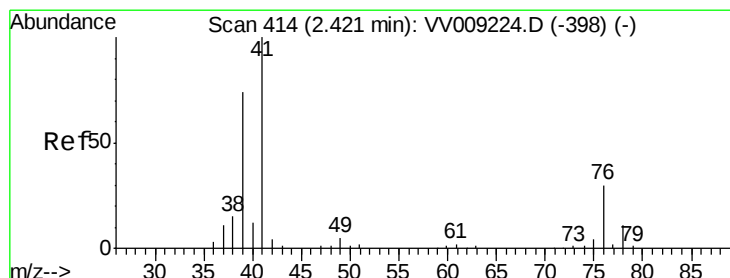
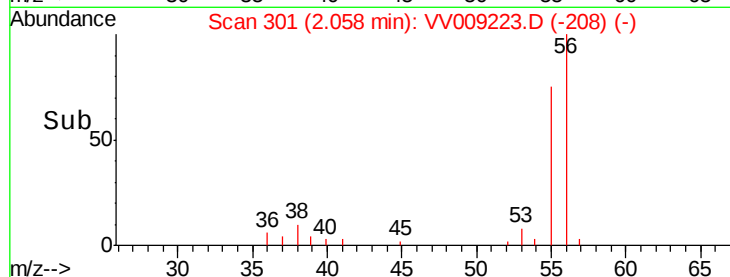
2.00

2.05

2.10

2.15

Time-->



#14

Allyl chloride

Concen: 21.322 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

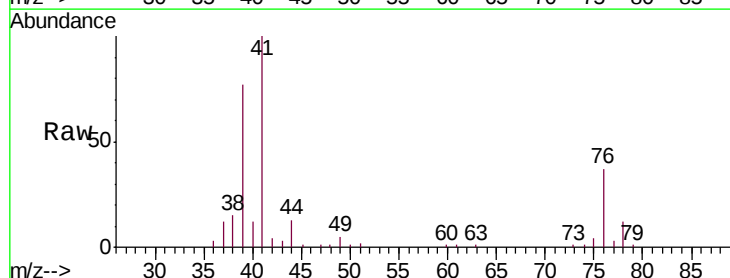
Tgt Ion: 41 Resp: 32218

Ion Ratio Lower Upper

41 100

39 73.9 58.2 87.2

76 34.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VV009223.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009223.D (-398) (-)

Ion 75.90 (75.60 to 76.60): VV009223.D (-398) (-)

2.42

30000

25000

20000

15000

10000

5000

0

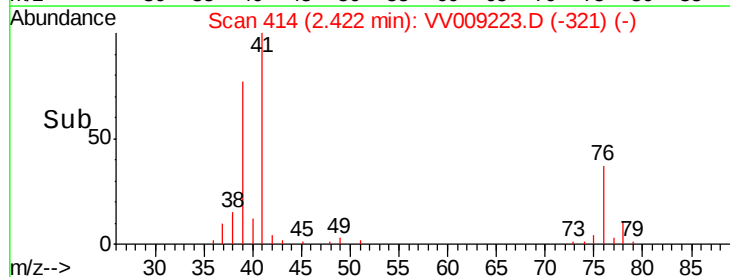
2.35

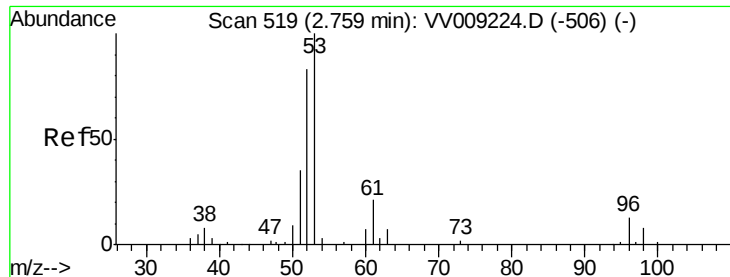
2.40

2.45

2.50

Time-->





#15

Acrylonitrile

Concen: 109.533 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

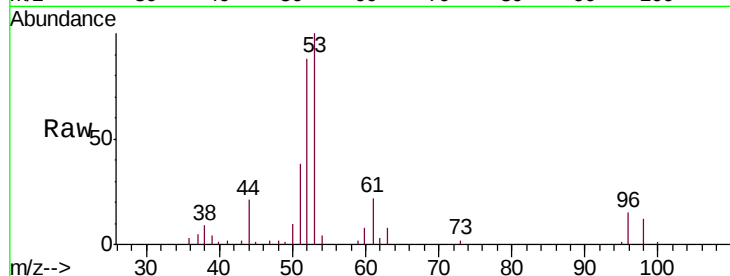
Tgt Ion: 53 Resp: 21488

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.6

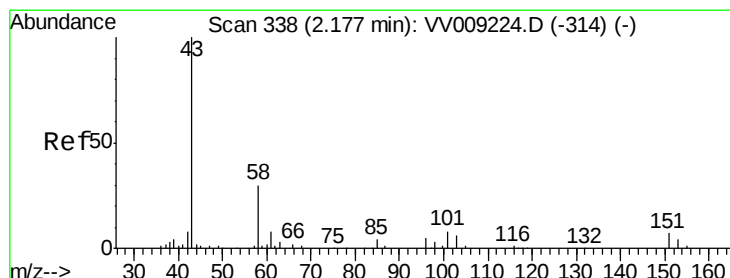
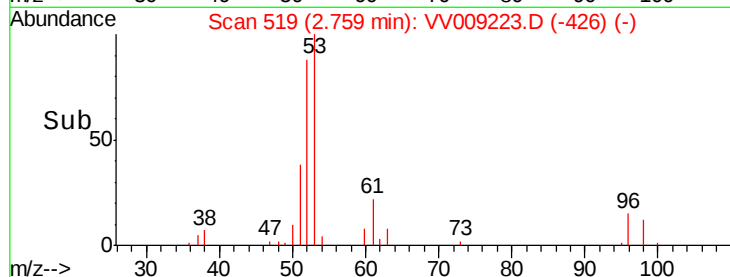
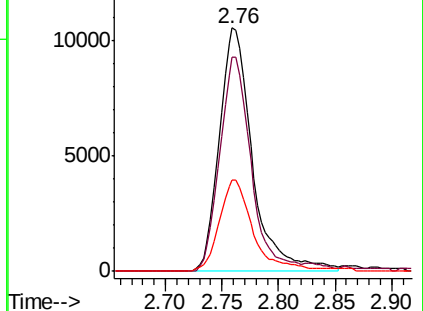
51 37.9 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VV009223.D (-426) (-)

Ion 52.00 (51.70 to 52.70): VV009223.D (-426) (-)

Ion 51.00 (50.70 to 51.70): VV009223.D (-426) (-)



#16

Acetone

Concen: 123.409 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV009223.D

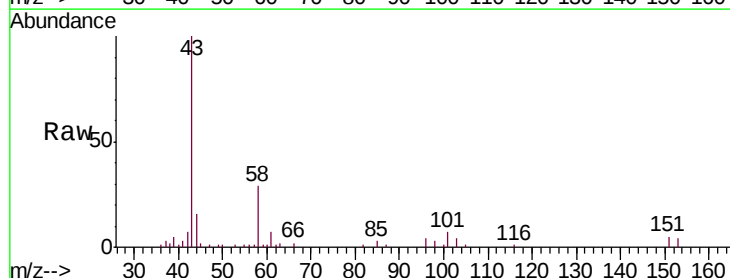
Acq: 18 Jan 2019 16:27

Tgt Ion: 43 Resp: 30397

Ion Ratio Lower Upper

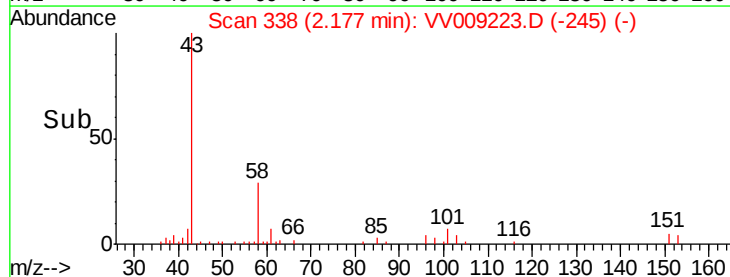
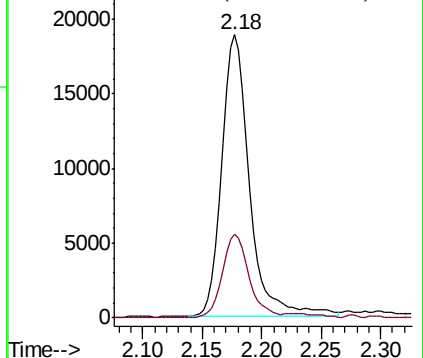
43 100

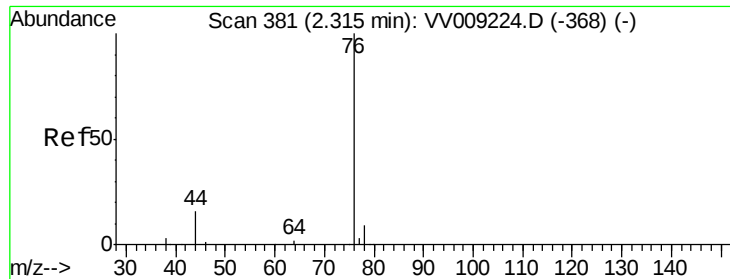
58 29.6 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV009223.D (-245) (-)

Ion 58.00 (57.70 to 58.70): VV009223.D (-245) (-)

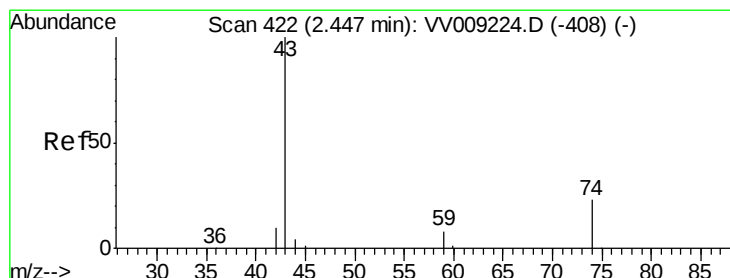
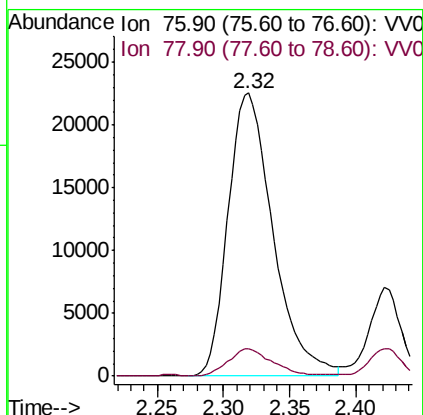
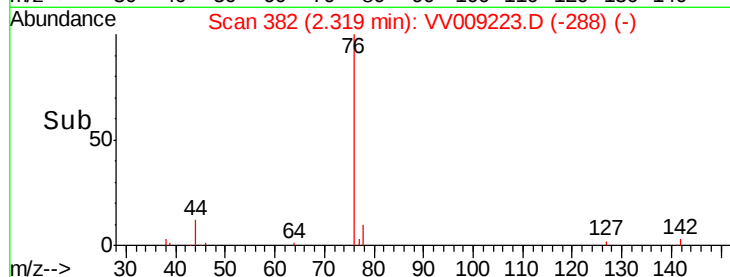
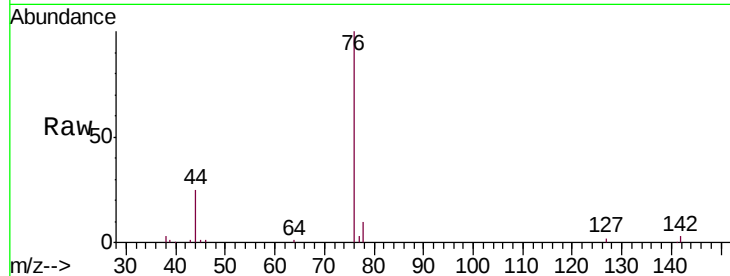




#17
Carbon Disulfide
Concen: 20.541 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

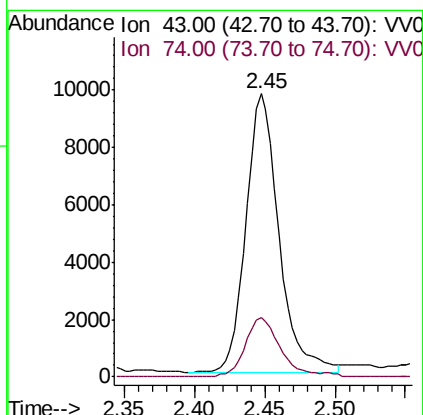
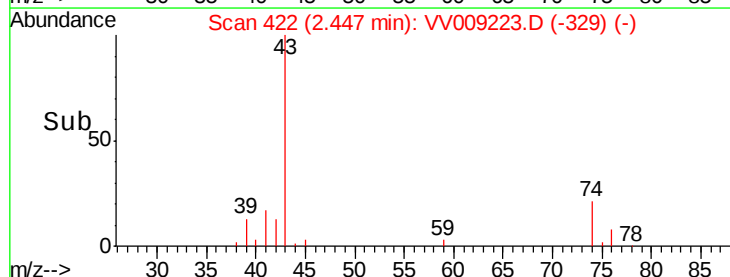
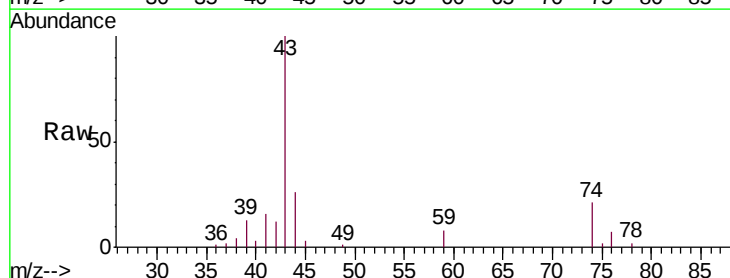
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

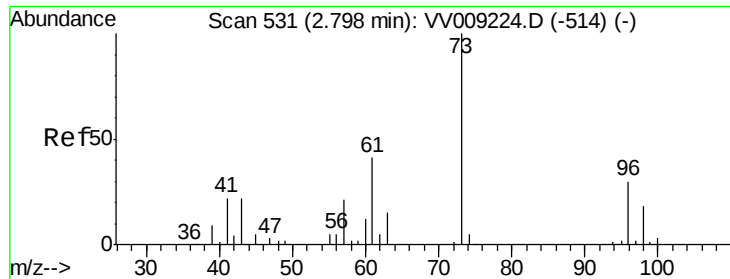
Tgt Ion: 76 Resp: 53284
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 24.723 ug/l
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 43 Resp: 15994
Ion Ratio Lower Upper
43 100
74 22.2 19.4 29.2



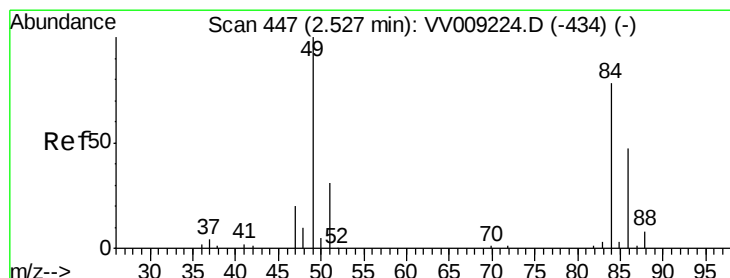
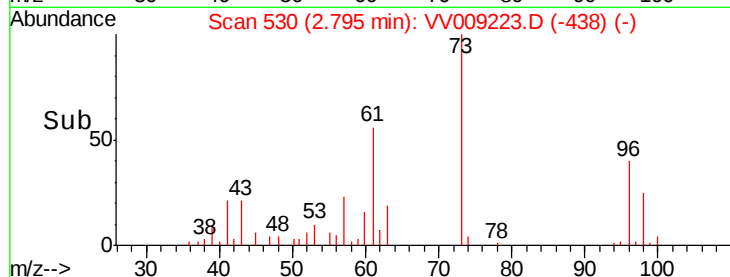
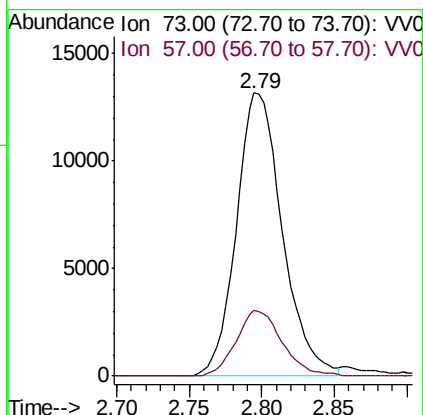
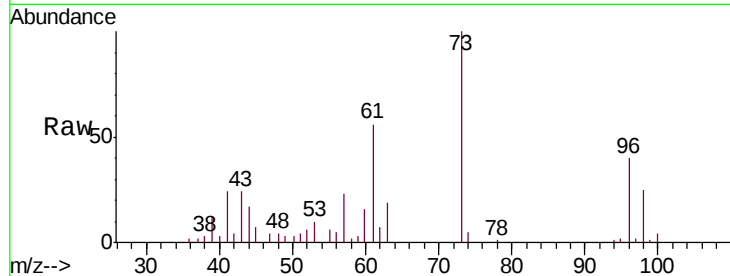


#19

Methyl tert-butyl Ether
 Concen: 21.146 ug/l
 RT: 2.79 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

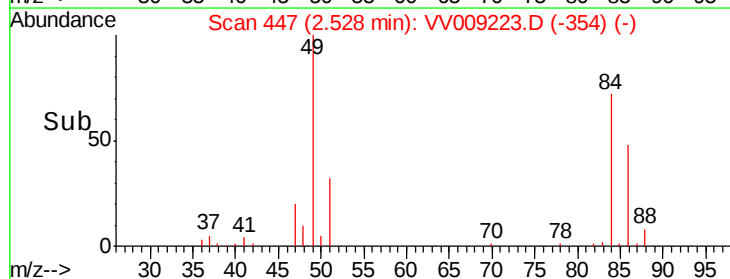
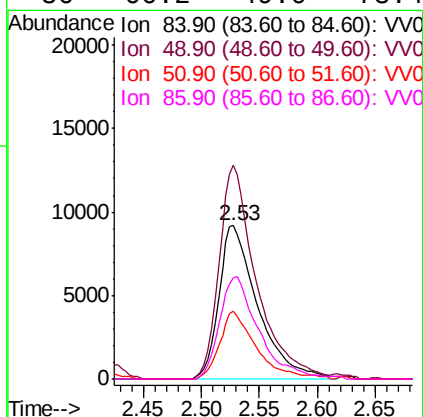
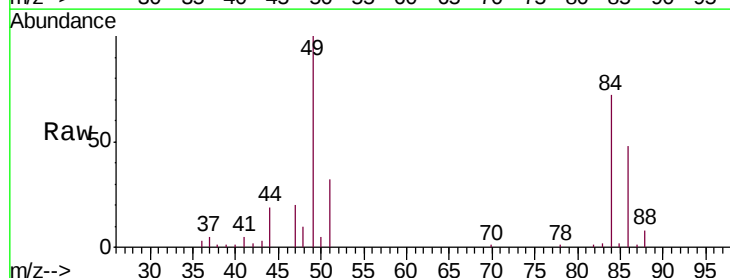
Tgt Ion: 73 Resp: 28955
 Ion Ratio Lower Upper
 73 100
 57 23.5 17.1 25.7

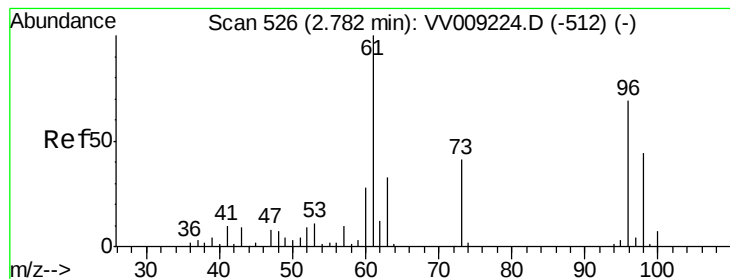


#20

Methylene Chloride
 Concen: 22.424 ug/l
 RT: 2.53 min Scan# 447
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 84 Resp: 21426
 Ion Ratio Lower Upper
 84 100
 49 139.3 103.1 154.7
 51 44.5 31.7 47.5
 86 66.2 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 21.174 ug/l

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

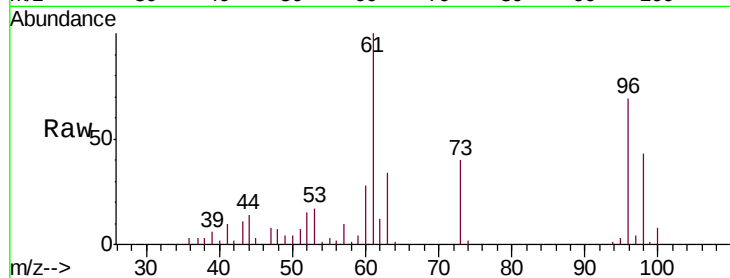
Tgt Ion: 96 Resp: 19571

Ion Ratio Lower Upper

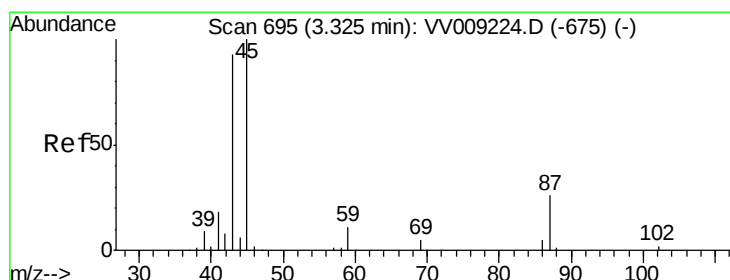
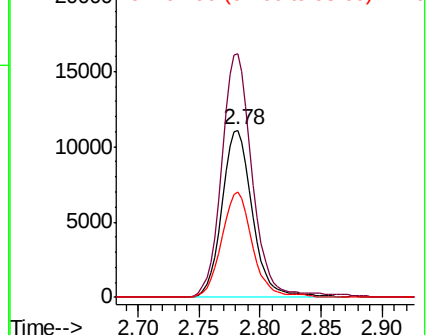
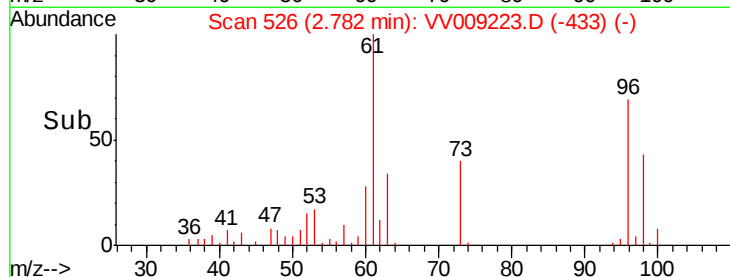
96 100

61 145.9 116.2 174.2

98 63.2 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VV009223.D (-433) (-)



#22

Diisopropyl ether

Concen: 21.555 ug/l

RT: 3.33 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Tgt Ion: 45 Resp: 74160

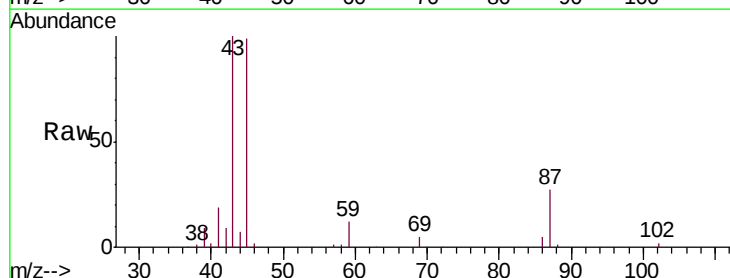
Ion Ratio Lower Upper

45 100

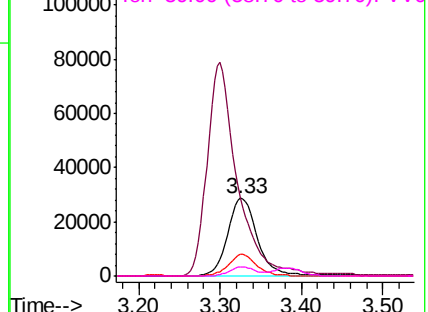
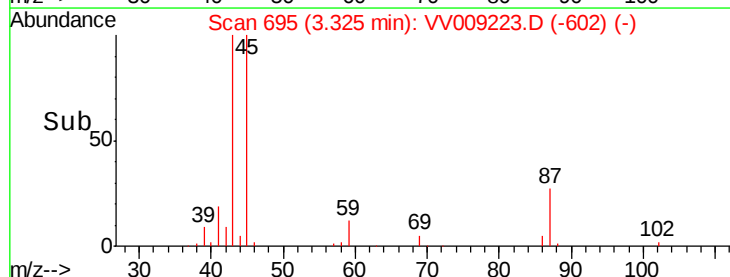
43 97.9 75.4 113.2

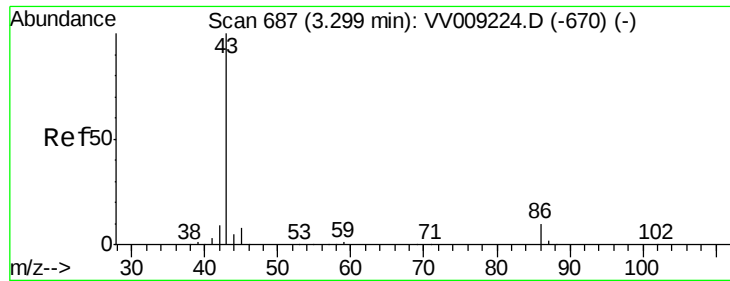
87 27.4 20.6 31.0

59 12.0 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VV009223.D (-602) (-)





#23

Vinyl Acetate

Concen: 108.596 ug/l

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

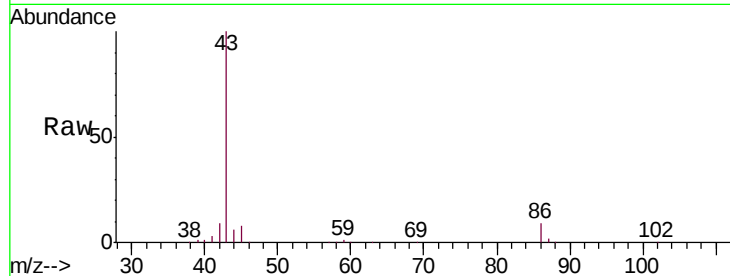
VSTDIC020

Tgt Ion: 43 Resp: 203248

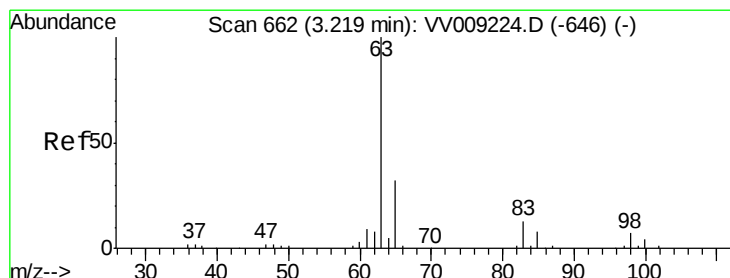
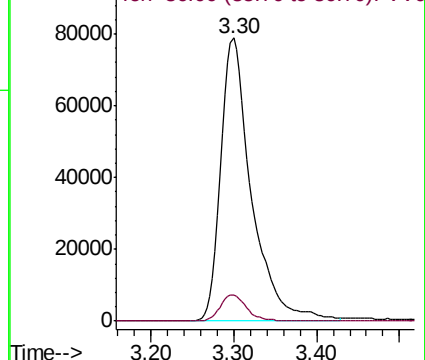
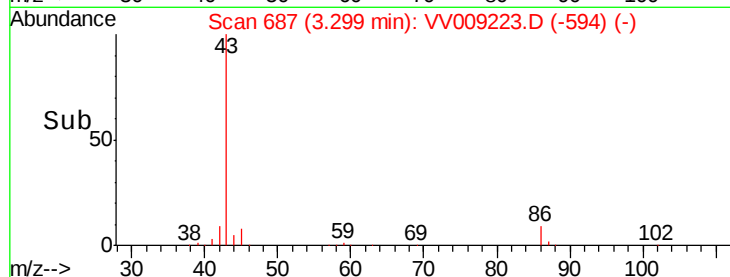
Ion Ratio Lower Upper

43 100

86 9.4 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VV009223.D (-594) (-)



#24

1,1-Dichloroethane

Concen: 21.535 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

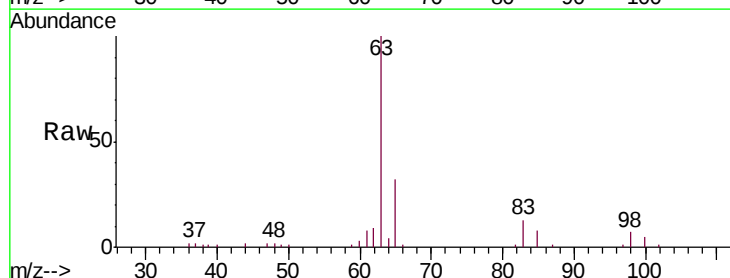
Tgt Ion: 63 Resp: 43603

Ion Ratio Lower Upper

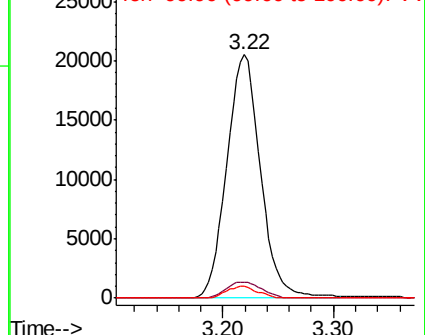
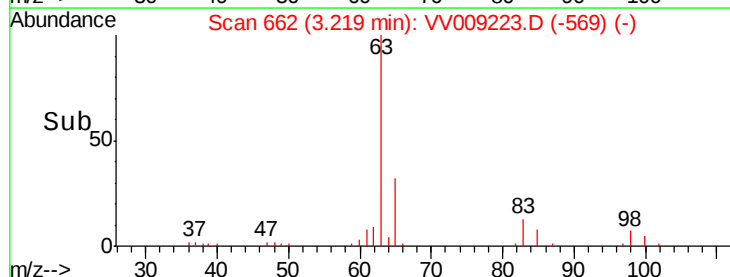
63 100

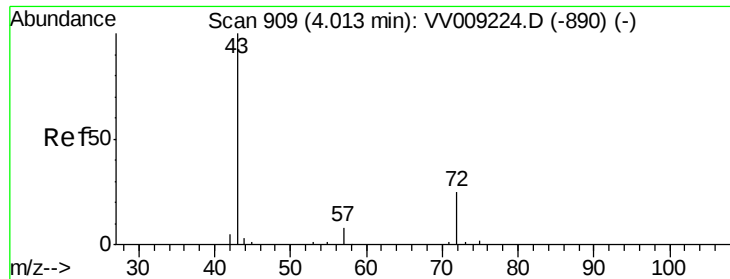
98 6.7 3.4 10.2

100 4.8 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VV009223.D (-569) (-)





#25

2-Butanone

Concen: 115.890 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

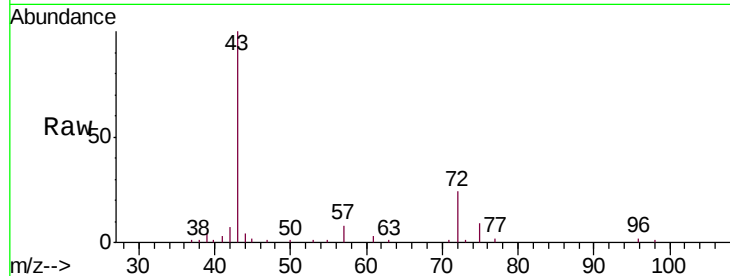
VSTDIC020

Tgt Ion: 43 Resp: 35813

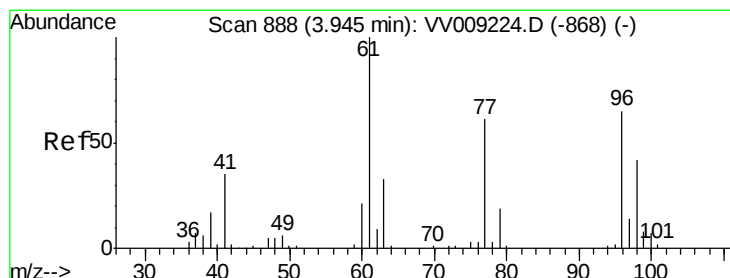
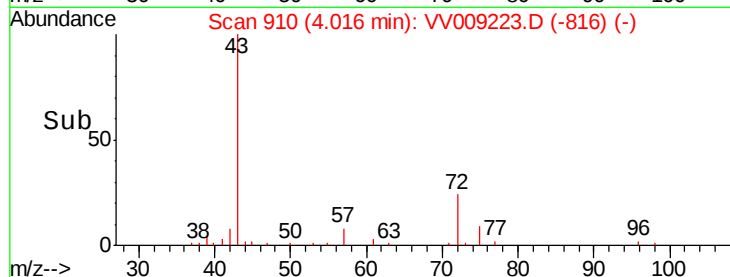
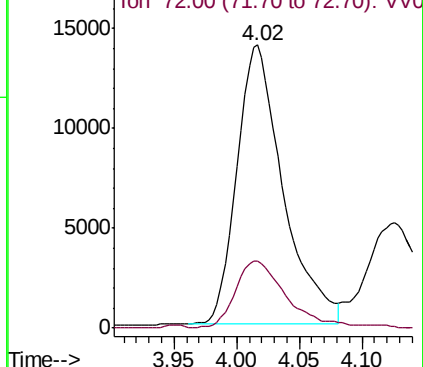
Ion Ratio Lower Upper

43 100

72 24.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009223.D (-816) (-)



#26

2,2-Dichloropropane

Concen: 20.542 ug/l

RT: 3.95 min Scan# 890

Delta R.T. 0.01 min

Lab File: VV009223.D

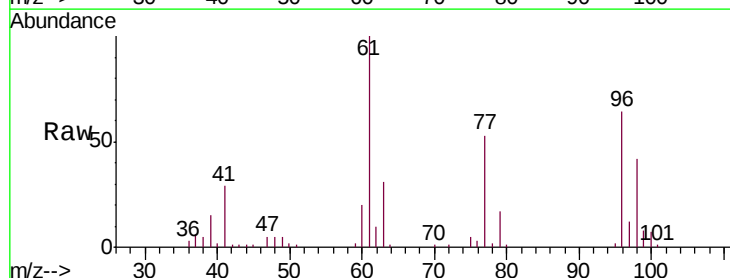
Acq: 18 Jan 2019 16:27

Tgt Ion: 77 Resp: 23208

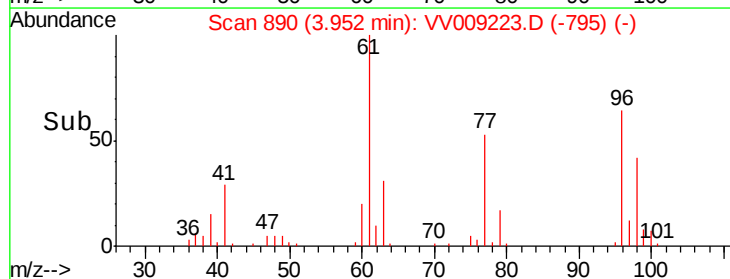
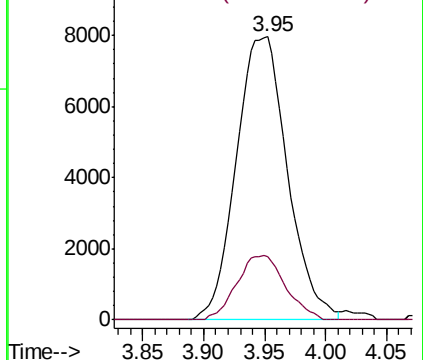
Ion Ratio Lower Upper

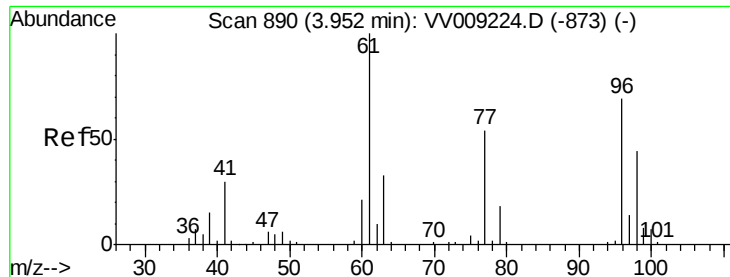
77 100

97 21.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV009223.D (-795) (-)



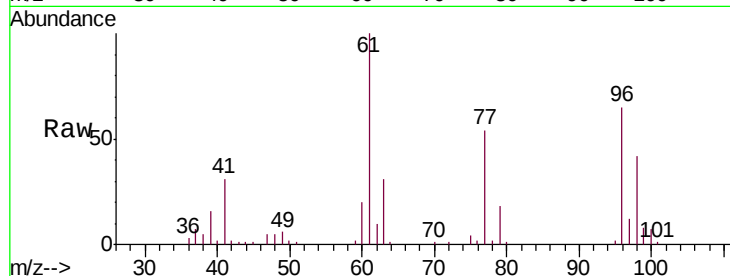


#27

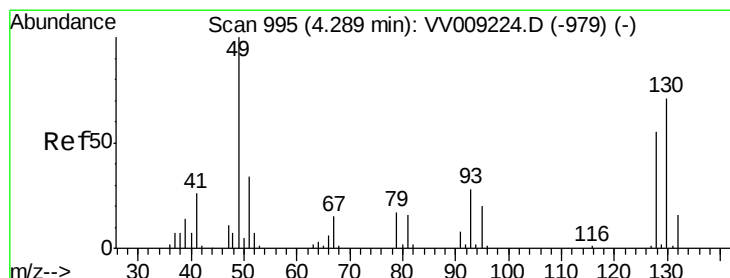
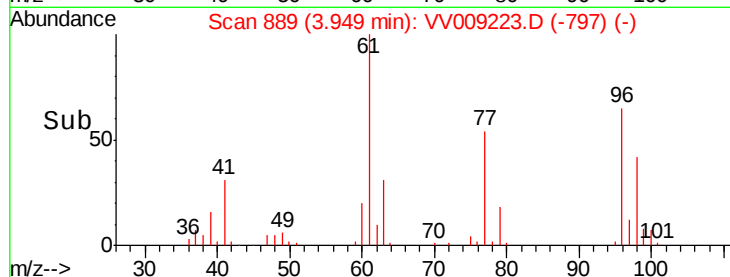
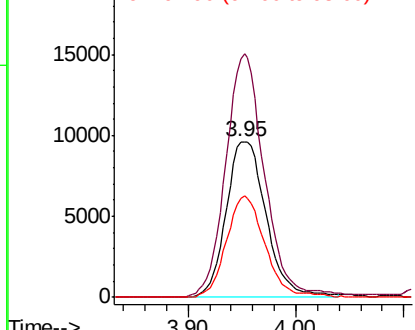
cis-1,2-Dichloroethene
Concen: 20.940 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 24786
Ion Ratio Lower Upper
96 100
61 152.3 0.0 300.4
98 62.7 0.0 129.2



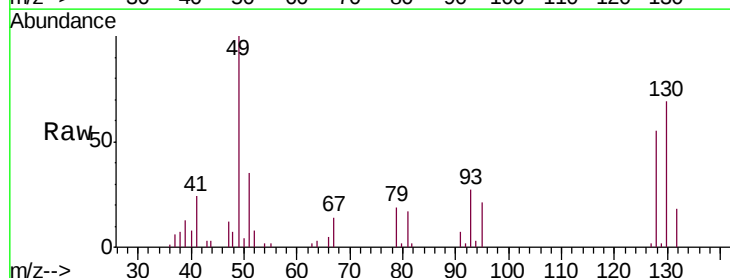
Abundance Ion 95.90 (95.60 to 96.60): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 97.90 (97.60 to 98.60): VV0



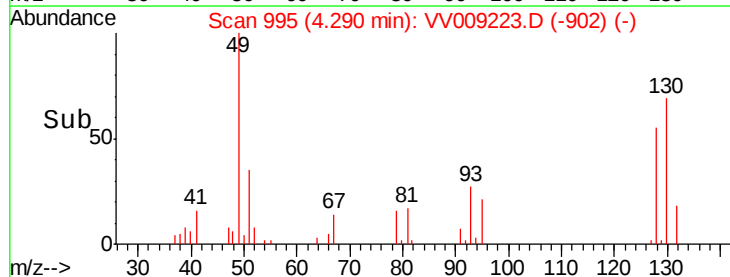
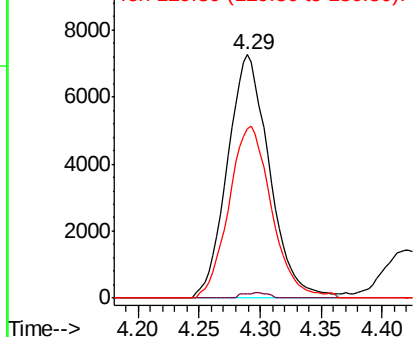
#28

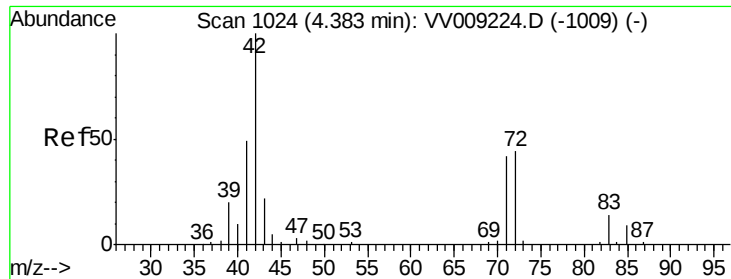
Bromochloromethane
Concen: 20.436 ug/l
RT: 4.29 min Scan# 995
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 49 Resp: 17380
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.0
130 71.7 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VV0
Ion 128.80 (128.50 to 129.50): VV0
Ion 129.80 (129.50 to 130.50): VV0

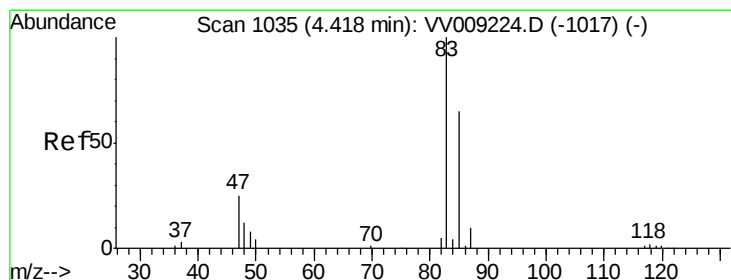
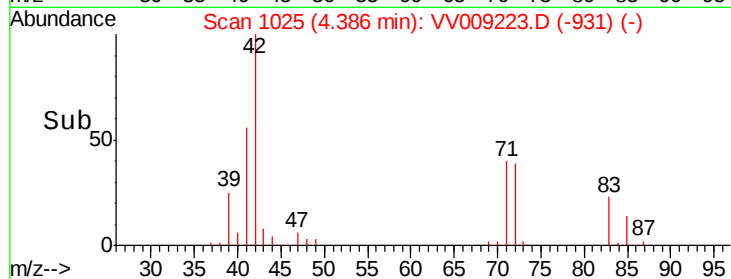
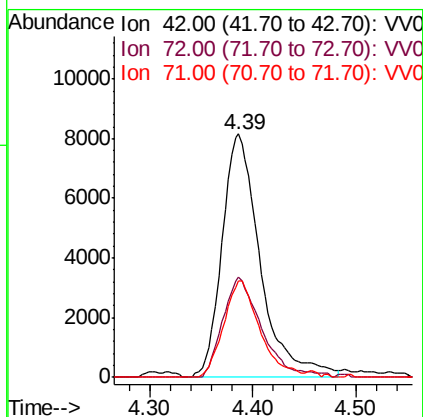
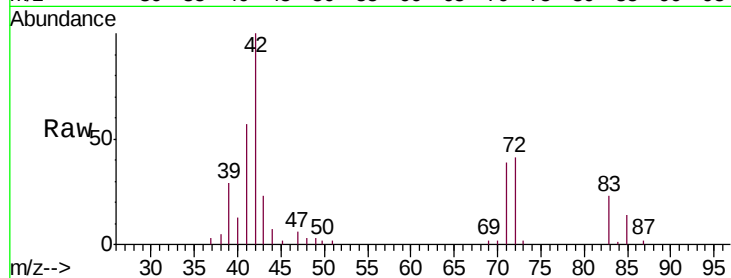




#29
Tetrahydrofuran
Concen: 113.889 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

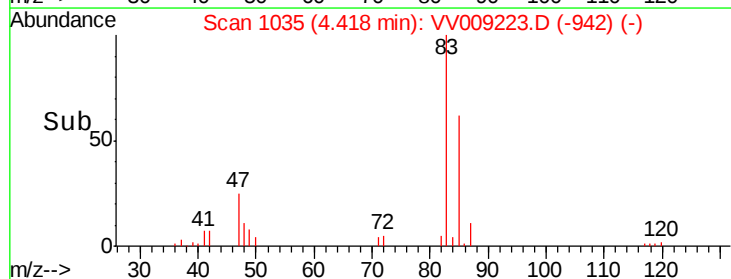
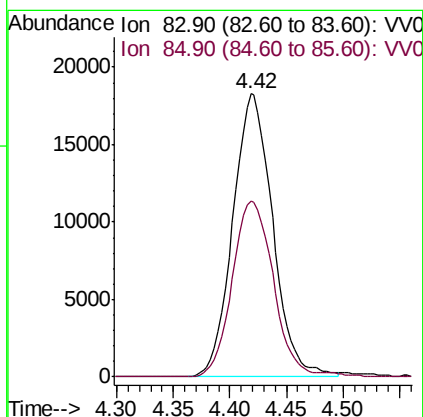
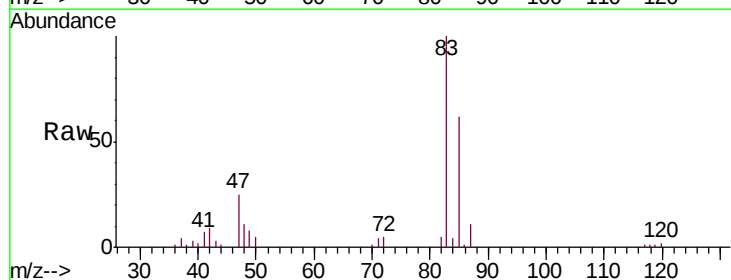
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

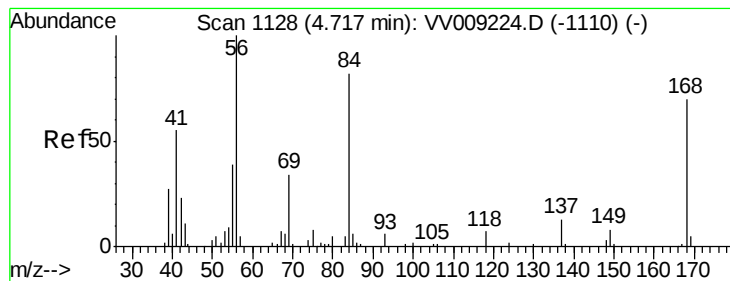
Tgt Ion: 42 Resp: 21074
Ion Ratio Lower Upper
42 100
72 41.4 35.9 53.9
71 37.4 33.6 50.4



#30
Chloroform
Concen: 21.047 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 83 Resp: 44908
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.6





#31

Cyclohexane

Concen: 20.966 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

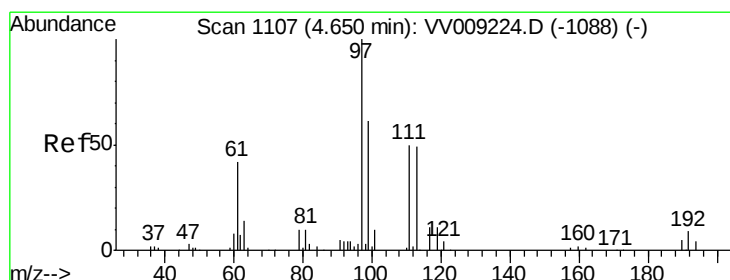
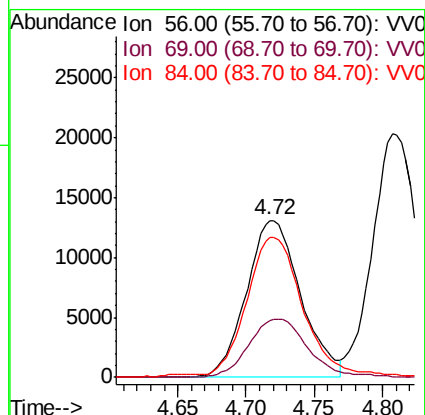
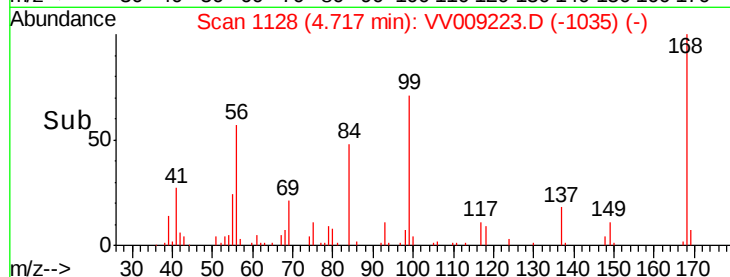
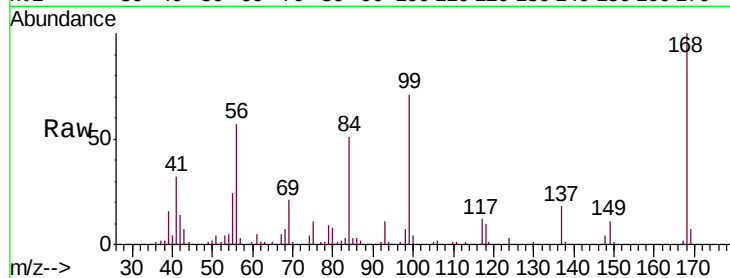
Tgt Ion: 56 Resp: 36232

Ion Ratio Lower Upper

56 100

69 36.3 27.0 40.4

84 87.3 65.4 98.2



#32

1,1,1-Trichloroethane

Concen: 20.429 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

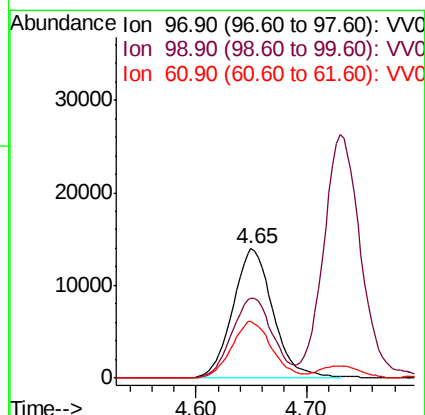
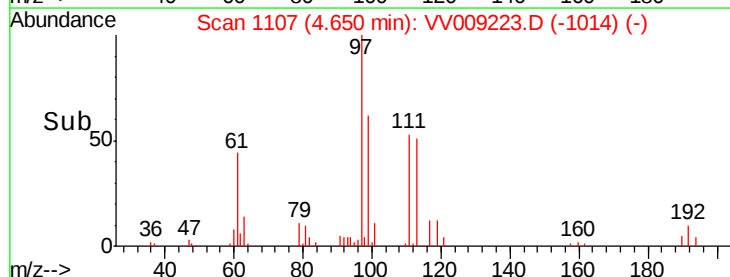
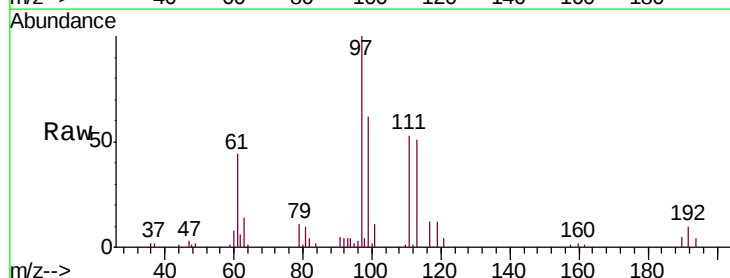
Tgt Ion: 97 Resp: 35342

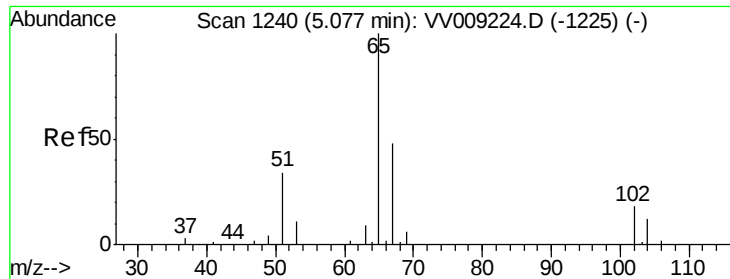
Ion Ratio Lower Upper

97 100

99 62.4 48.9 73.3

61 43.8 34.7 52.1

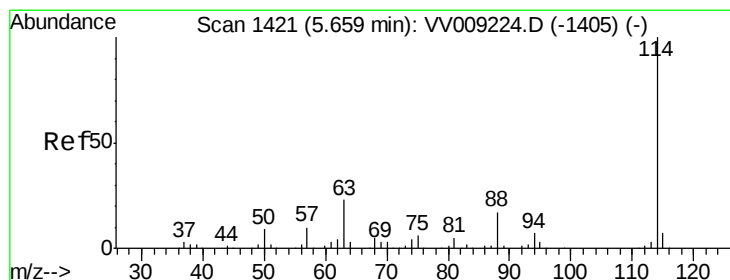
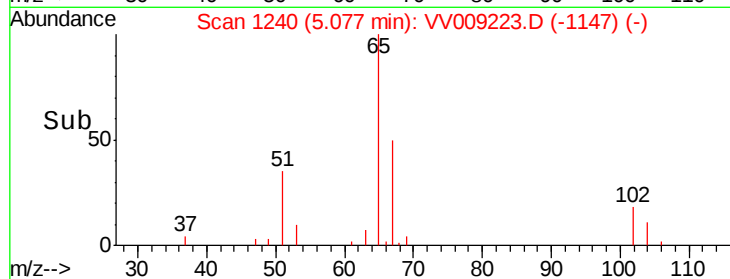
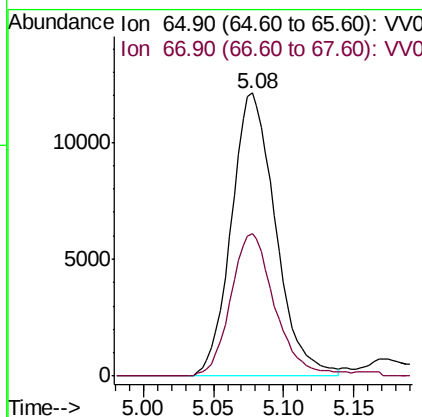
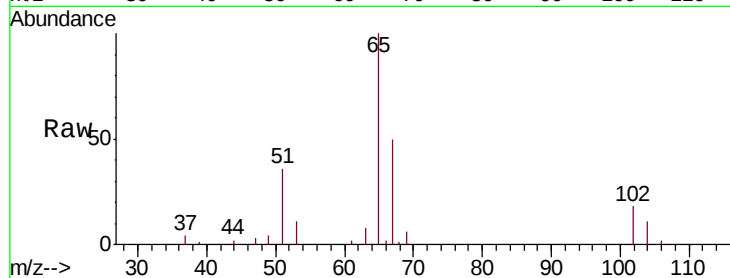




#33
 1,2-Dichloroethane-d4
 Concen: 22.206 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

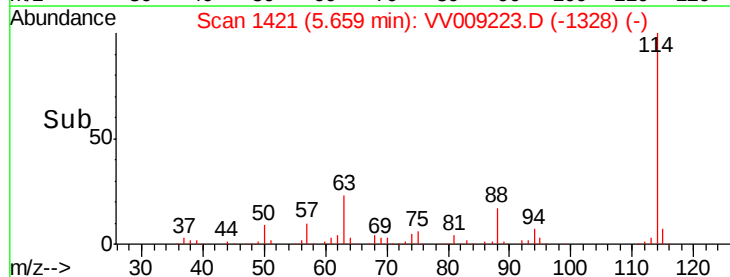
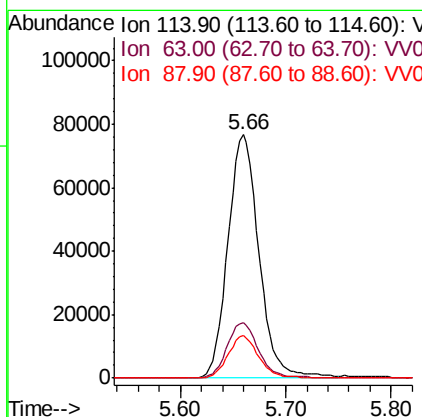
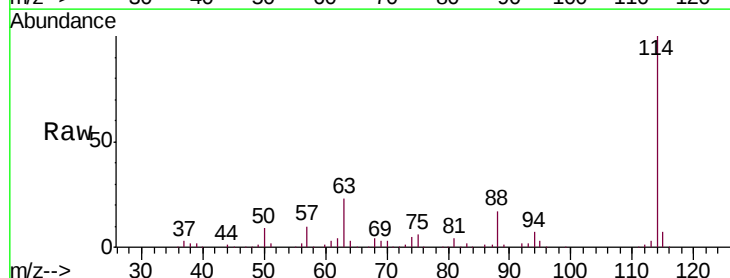
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

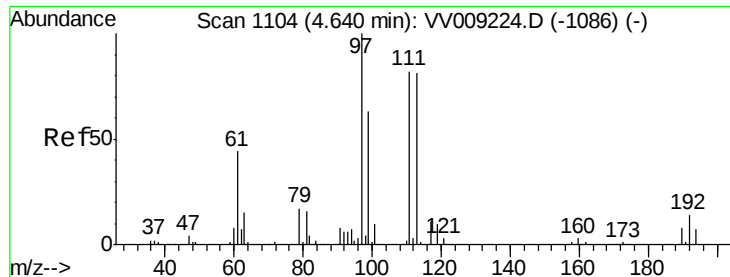
Tgt Ion: 65 Resp: 26567
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 114 Resp: 156426
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 17.4 0.0 33.8

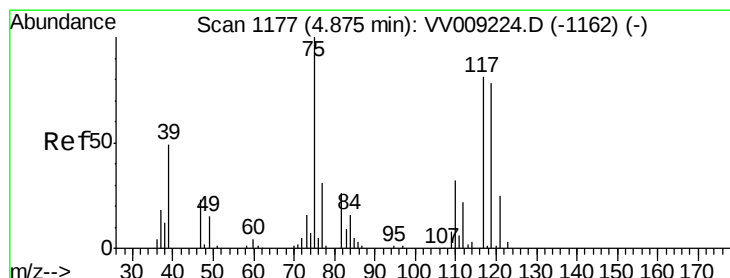
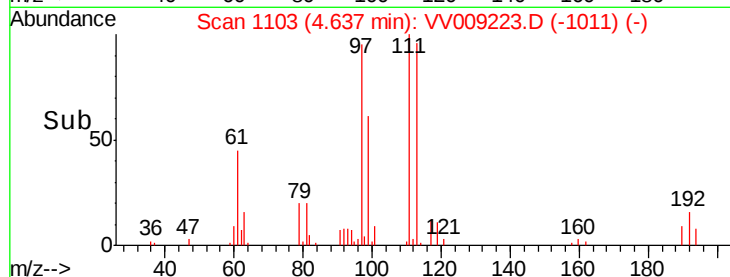
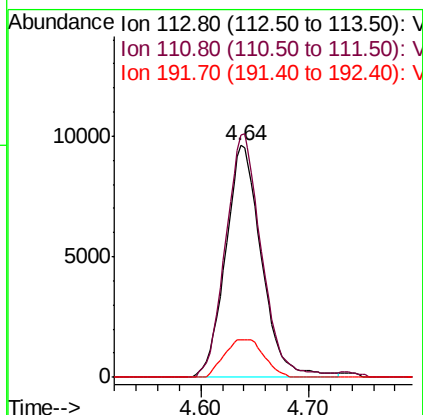
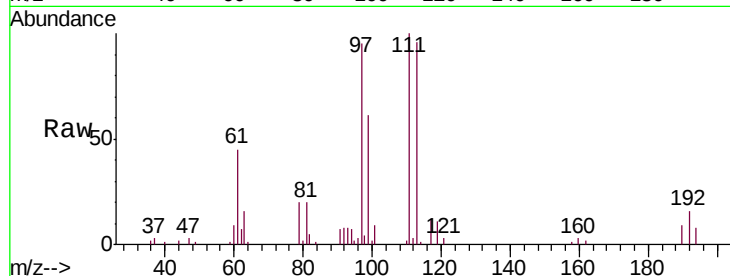




#35
 Dibromofluoromethane
 Concen: 21.725 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

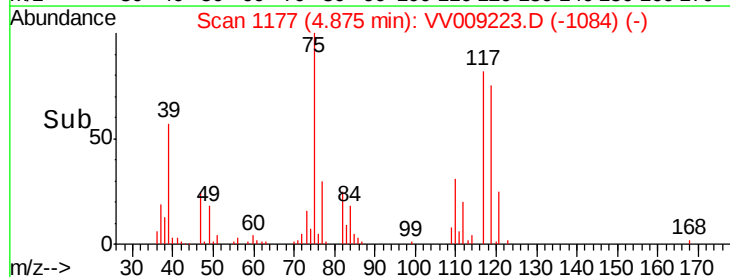
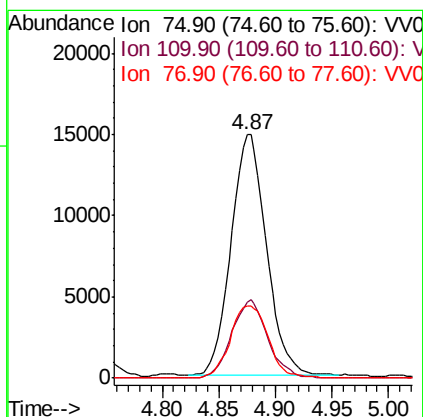
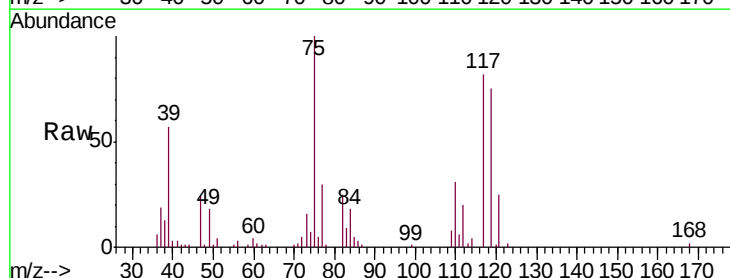
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

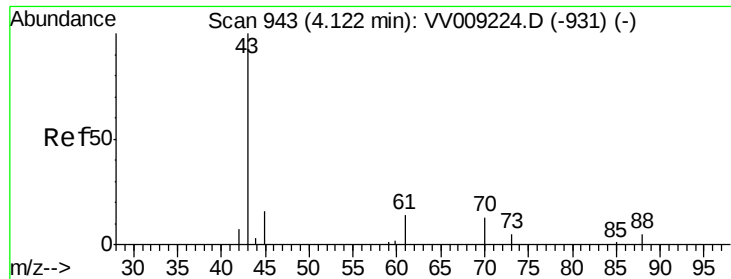
Tgt Ion:113 Resp: 22308
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.2 123.4
 192 17.8 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 21.207 ug/l
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 75 Resp: 32386
 Ion Ratio Lower Upper
 75 100
 110 32.9 17.3 51.7
 77 32.1 24.4 36.6

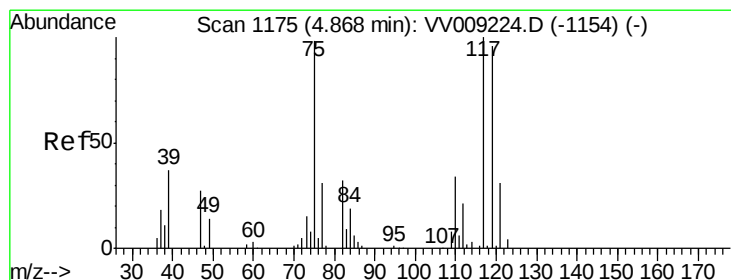
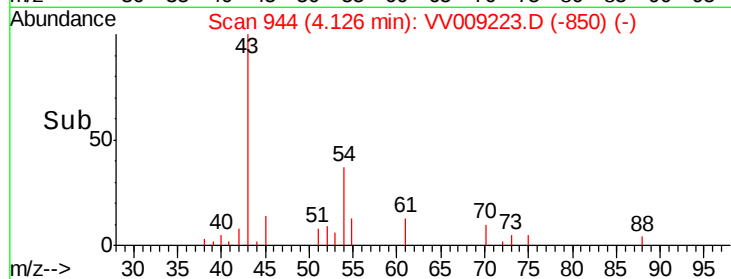
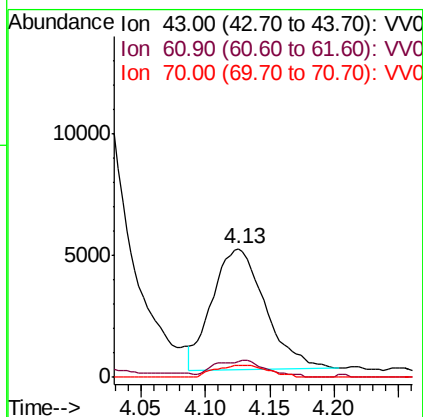
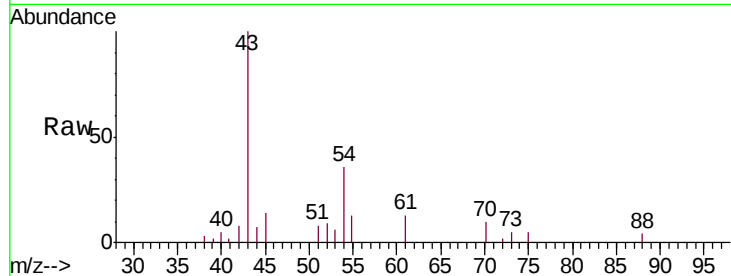




#37
Ethyl Acetate
Concen: 22.151 ug/l
RT: 4.13 min Scan# 944
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

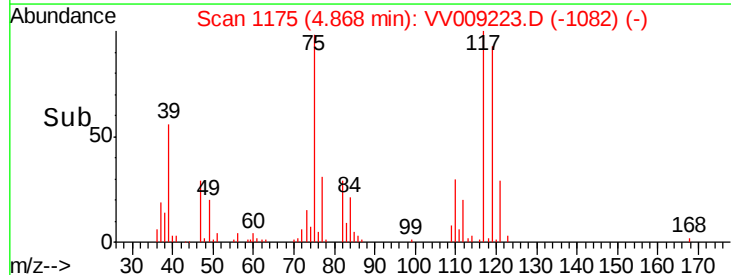
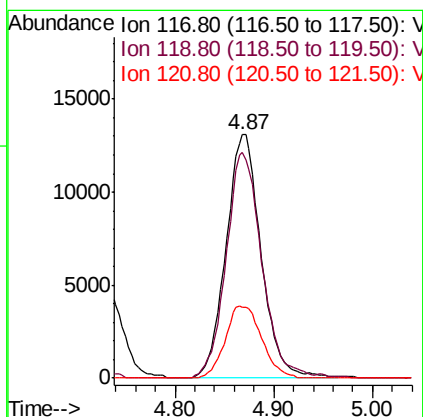
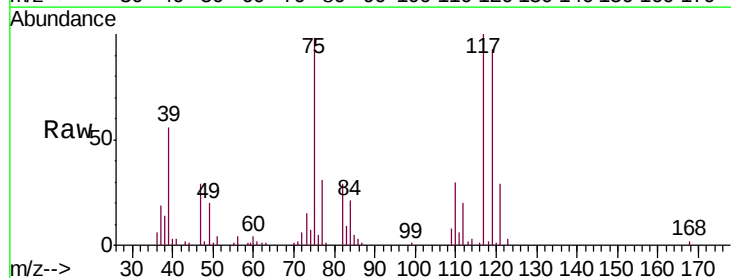
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

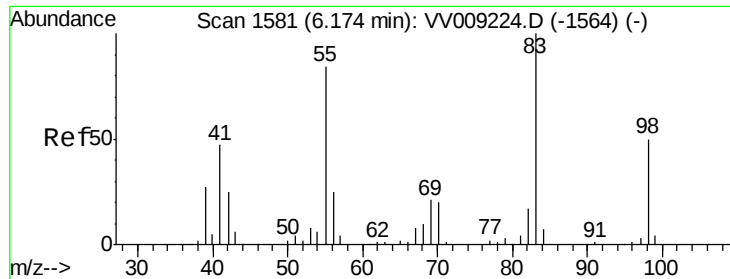
Tgt Ion: 43 Resp: 14301
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.6
70 10.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.854 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 117 Resp: 32460
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6
121 29.2 24.7 37.1

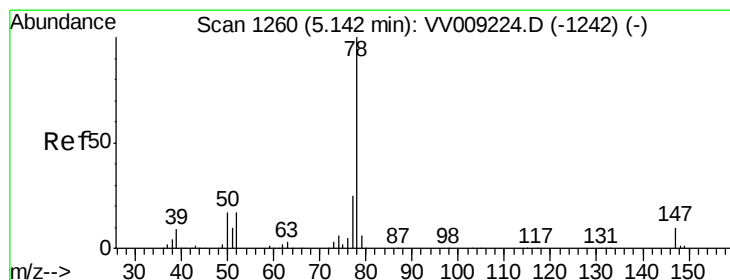
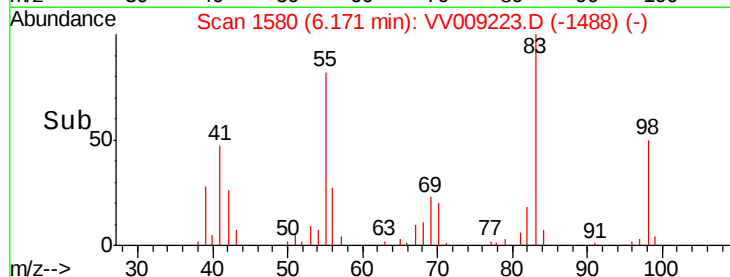
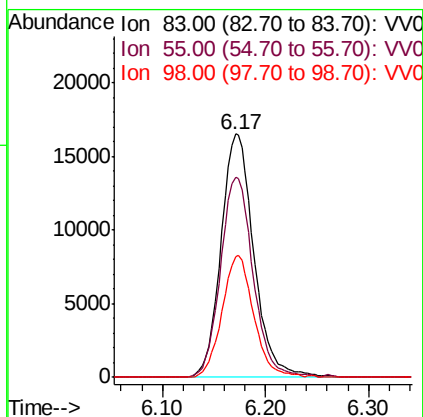
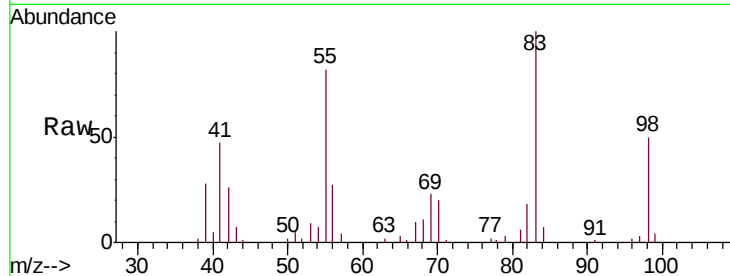




#39
Methylcyclohexane
Concen: 19.962 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

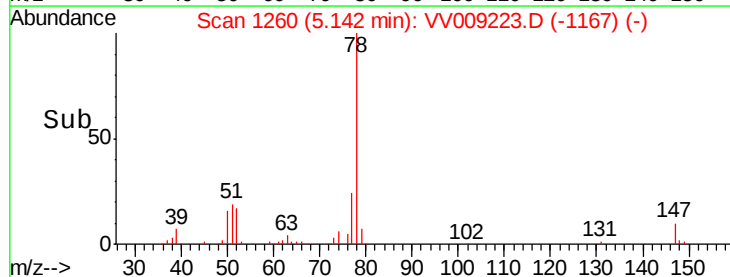
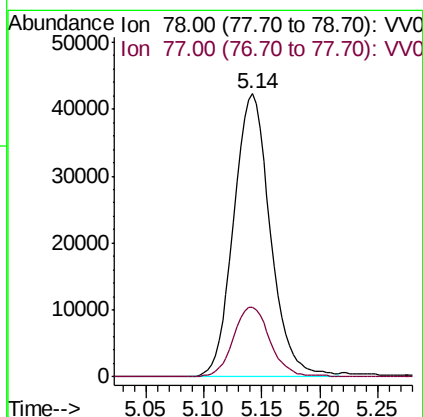
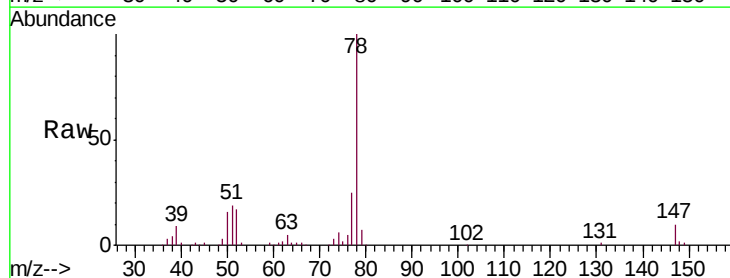
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

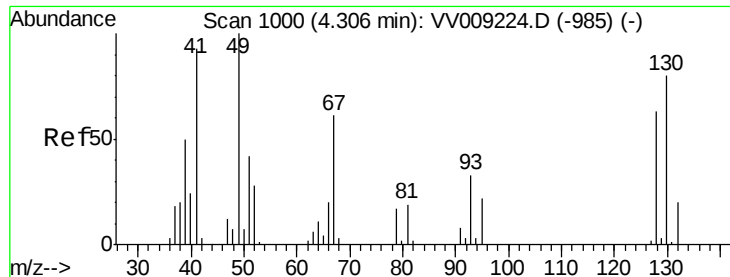
Tgt Ion: 83 Resp: 36636
Ion Ratio Lower Upper
83 100
55 82.4 67.0 100.6
98 49.5 40.2 60.2



#40
Benzene
Concen: 20.973 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 78 Resp: 93175
Ion Ratio Lower Upper
78 100
77 24.8 19.8 29.6

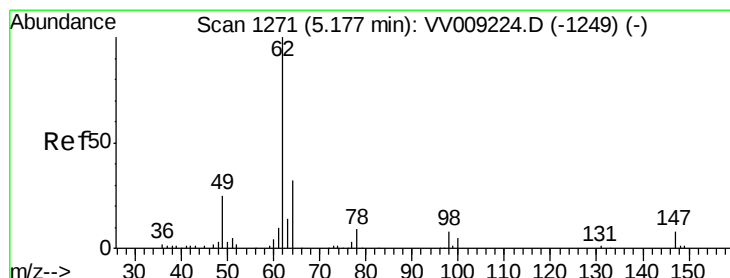
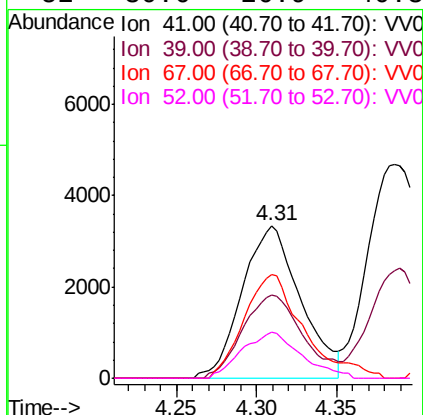
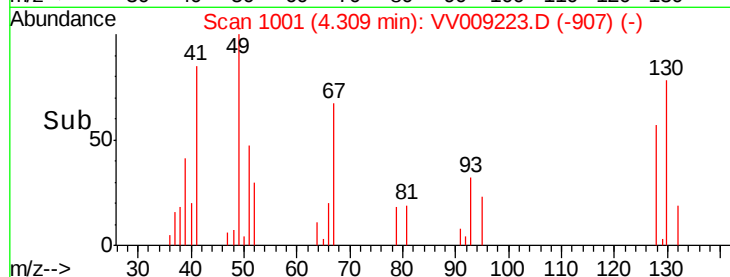
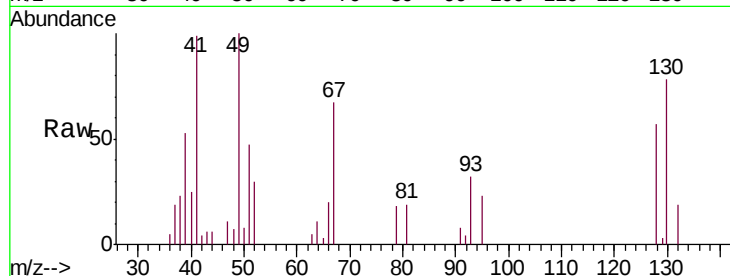




#41
Methacrylonitrile
Concen: 22.124 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

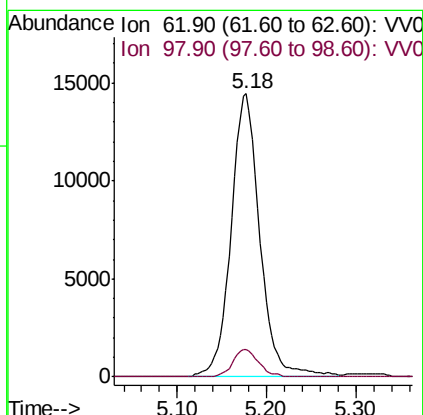
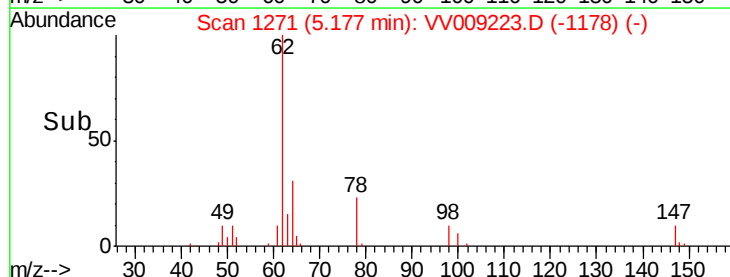
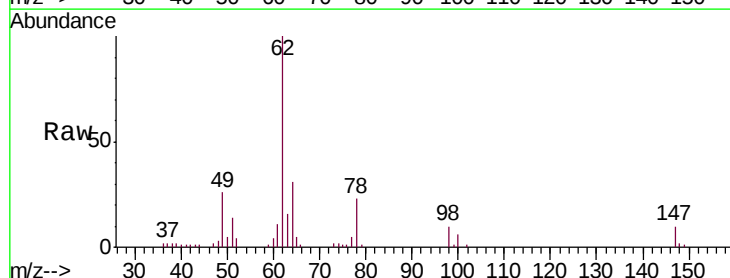
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

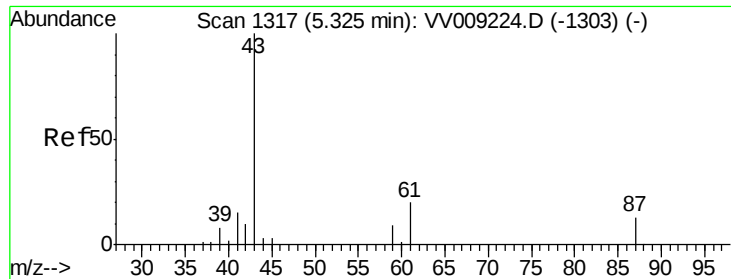
Tgt Ion: 41 Resp: 8374
Ion Ratio Lower Upper
41 100
39 57.1 44.8 67.2
67 69.6 57.5 86.3
52 30.6 26.9 40.3



#42
1,2-Dichloroethane
Concen: 21.740 ug/l
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 62 Resp: 32379
Ion Ratio Lower Upper
62 100
98 8.7 0.0 16.4





#43

Isopropyl Acetate

Concen: 22.434 ug/l

RT: 5.33 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

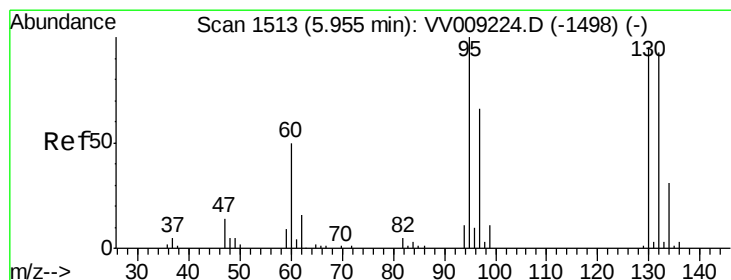
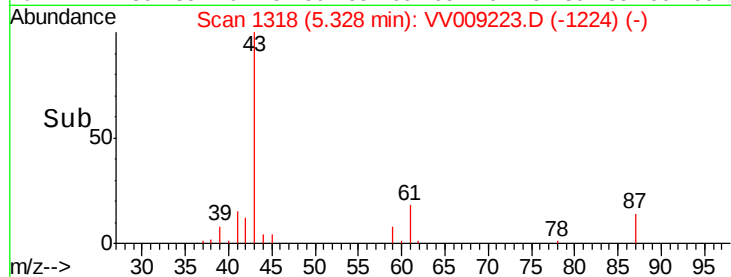
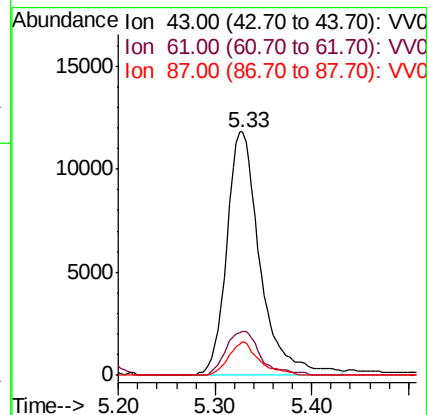
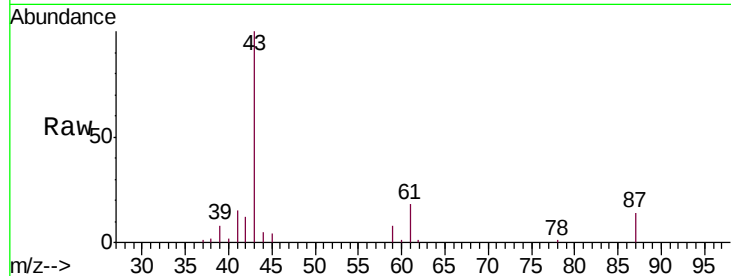
Tgt Ion: 43 Resp: 28355

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

87 12.6 10.0 15.0



#44

Trichloroethene

Concen: 21.336 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009223.D

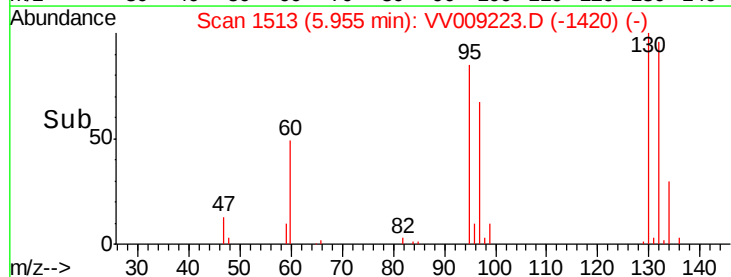
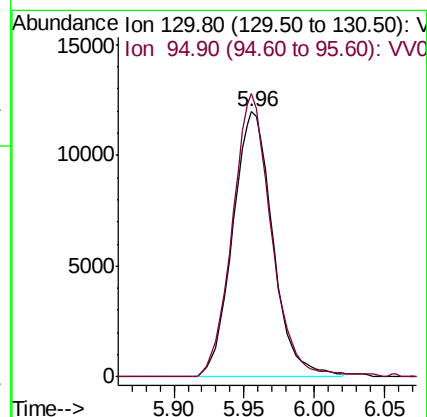
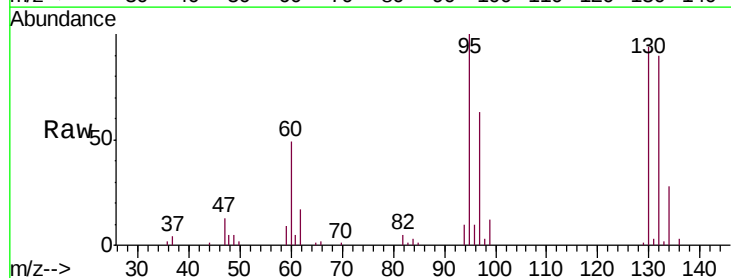
Acq: 18 Jan 2019 16:27

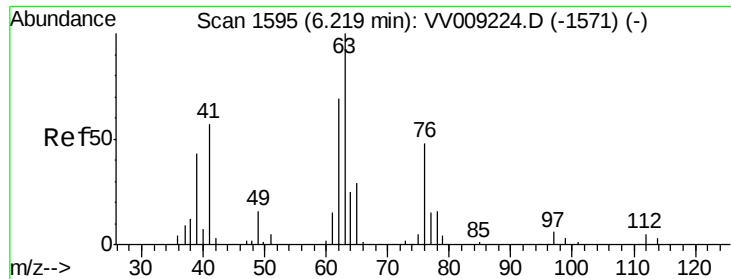
Tgt Ion: 130 Resp: 23833

Ion Ratio Lower Upper

130 100

95 106.7 0.0 209.4

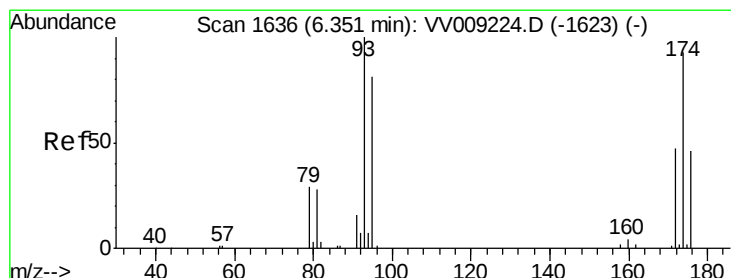
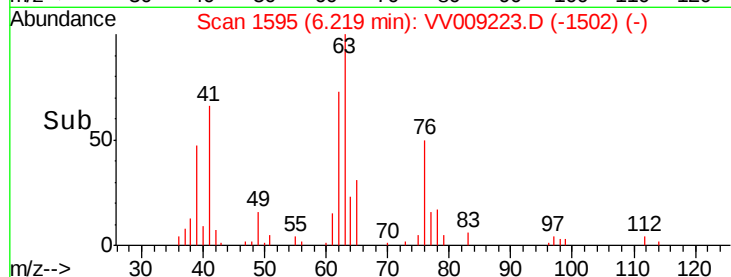
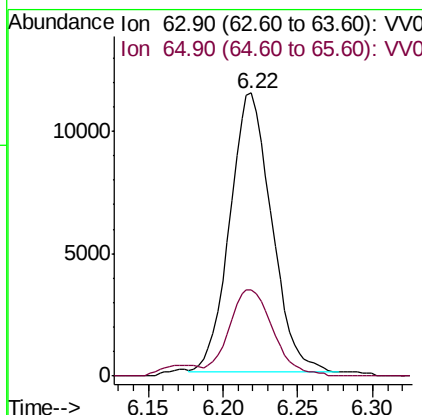
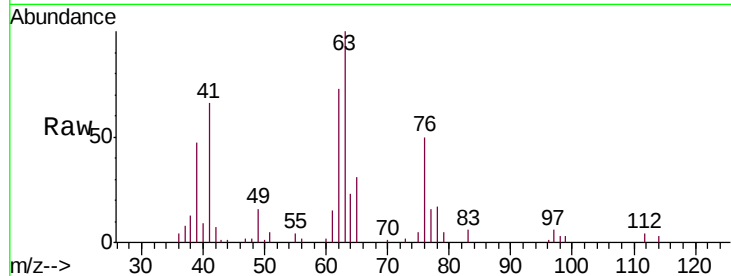




#45
 1,2-Dichloropropane
 Concen: 20.026 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

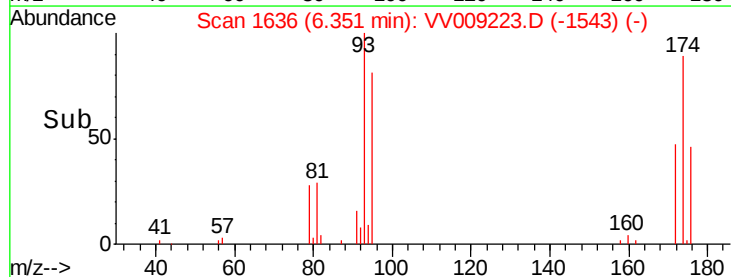
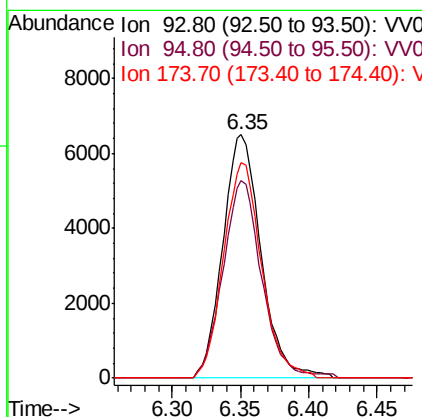
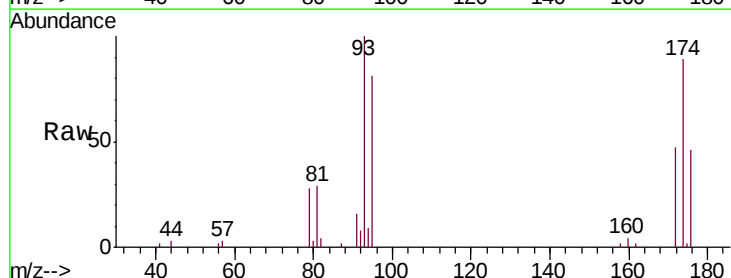
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

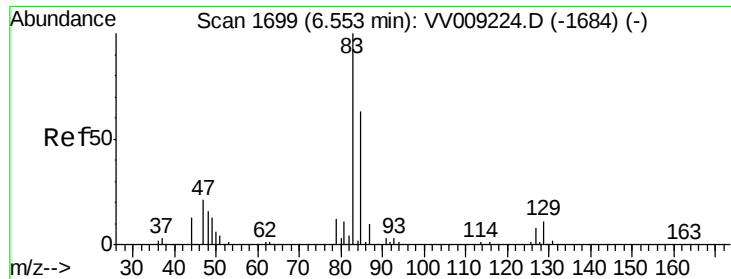
Tgt Ion: 63 Resp: 22209
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.9 35.9



#46
 Dibromomethane
 Concen: 21.624 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 93 Resp: 12665
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 88.2 73.0 109.6





#47

Bromodichloromethane

Concen: 21.658 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

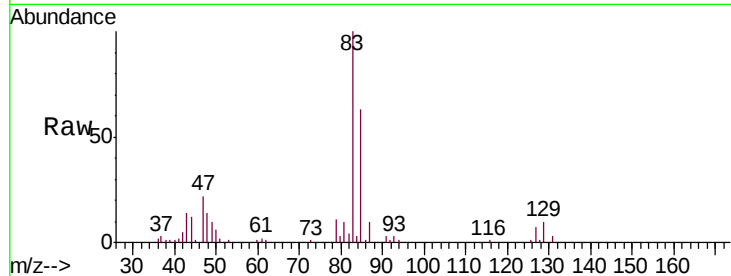
Tgt Ion: 83 Resp: 33673

Ion Ratio Lower Upper

83 100

85 63.1 50.6 75.8

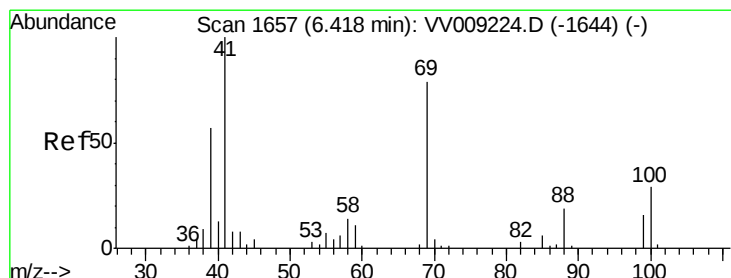
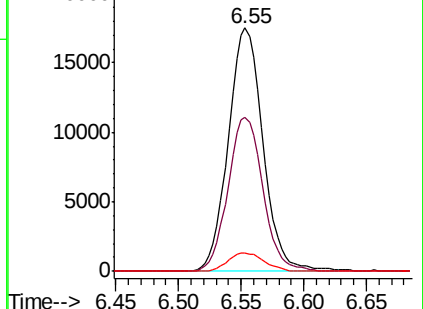
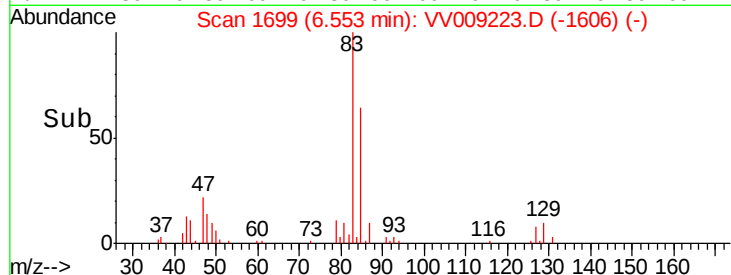
127 7.5 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VV009223.D (-1684) (-)

Ion 84.90 (84.60 to 85.60): VV009223.D (-1684) (-)

Ion 126.80 (126.50 to 127.50): VV009223.D (-1684) (-)



#48

Methyl methacrylate

Concen: 21.154 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

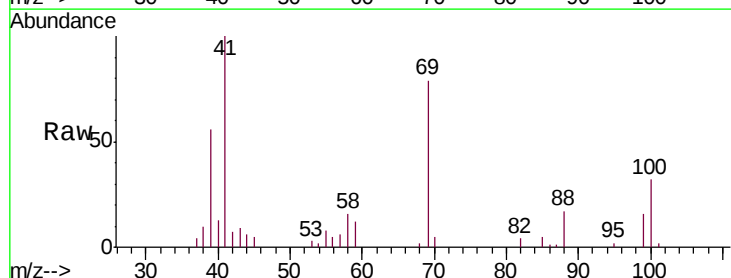
Tgt Ion: 41 Resp: 14030

Ion Ratio Lower Upper

41 100

69 79.5 62.2 93.4

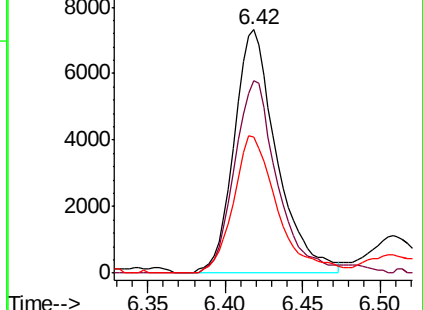
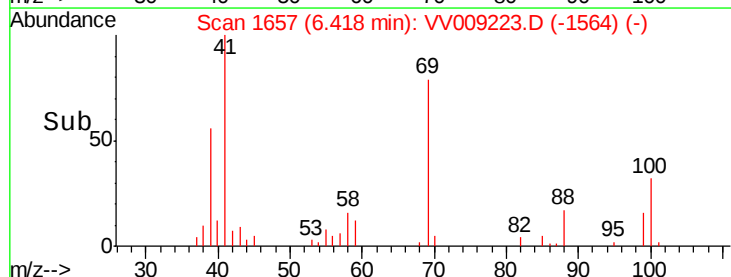
39 58.0 44.7 67.1

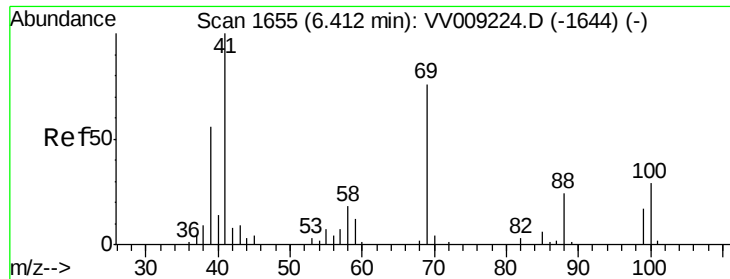


Abundance Ion 41.00 (40.70 to 41.70): VV009223.D (-1644) (-)

Ion 69.00 (68.70 to 69.70): VV009223.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VV009223.D (-1644) (-)

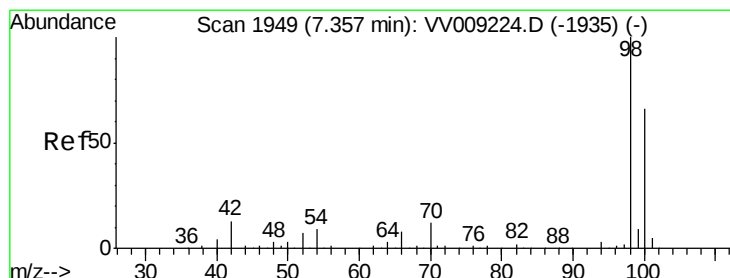
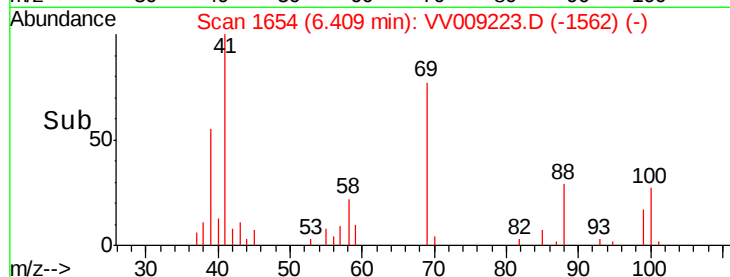
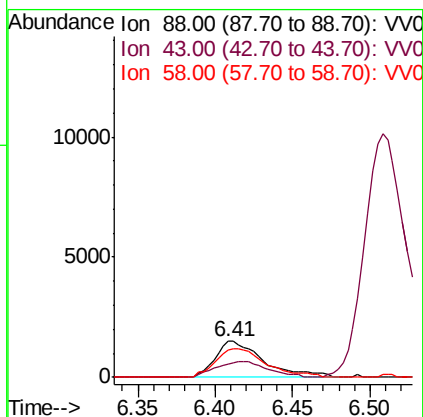
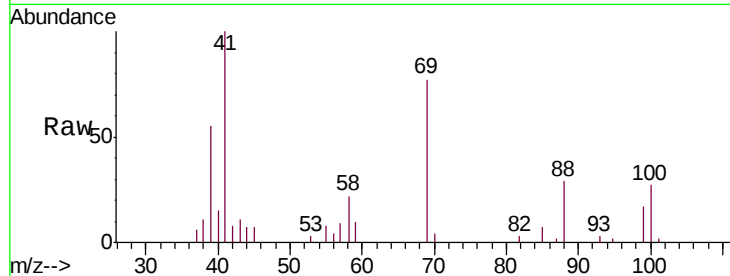




#49
1,4-Dioxane
Concen: 408.754 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

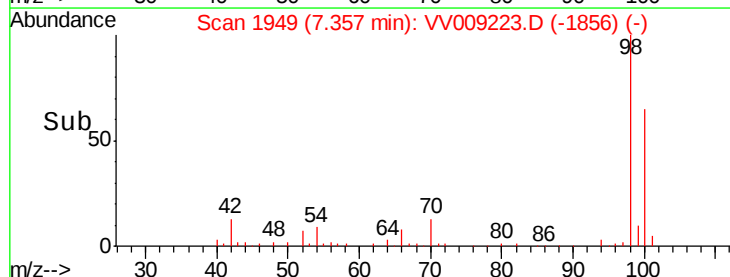
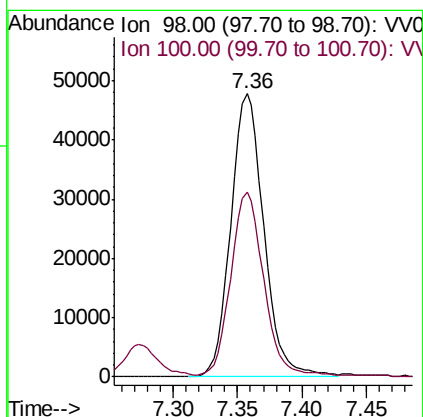
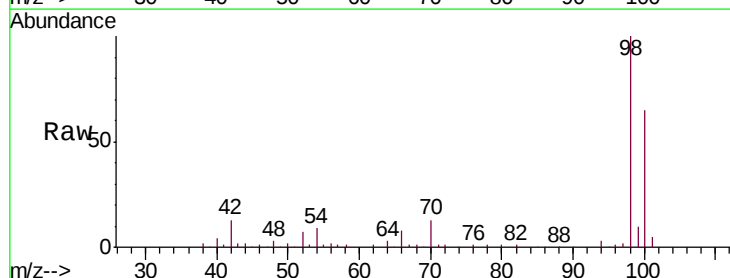
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

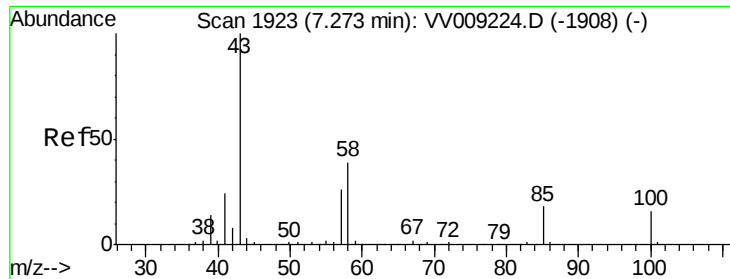
Tgt Ion: 88 Resp: 3219
Ion Ratio Lower Upper
88 100
43 47.3 31.3 46.9#
58 84.5 59.6 89.4



#50
Toluene-d8
Concen: 21.925 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 98 Resp: 85239
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 107.198 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

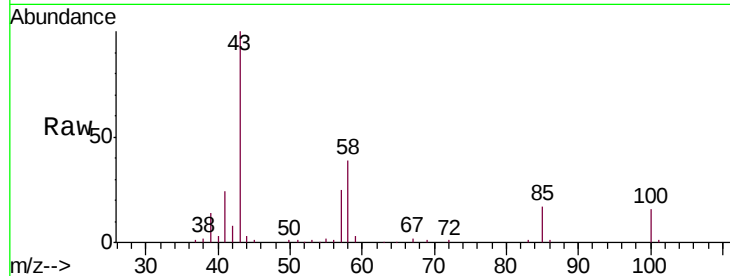
VSTDIC020

Tgt Ion: 43 Resp: 70848

Ion Ratio Lower Upper

43 100

58 37.3 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VV009223.D (-1830) (-)

Ion 58.00 (57.70 to 58.70): VV009223.D (-1830) (-)

7.27

40000

30000

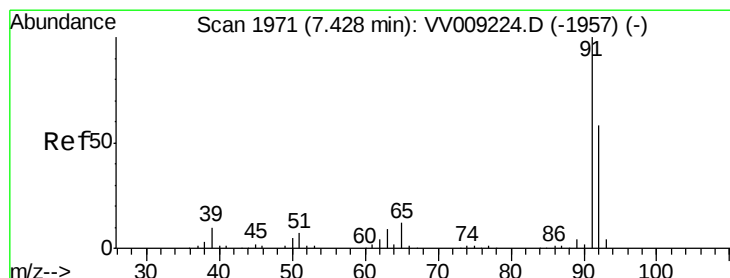
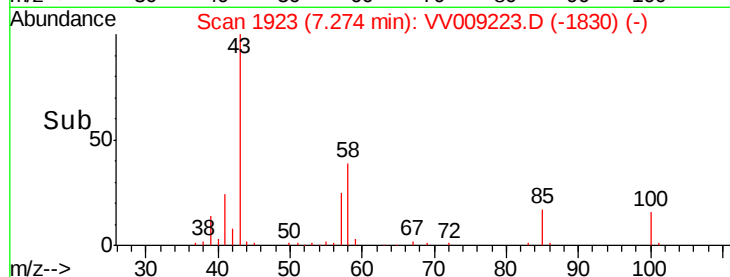
20000

10000

0

7.20 7.30 7.40

Time-->



#52

Toluene

Concen: 20.450 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009223.D

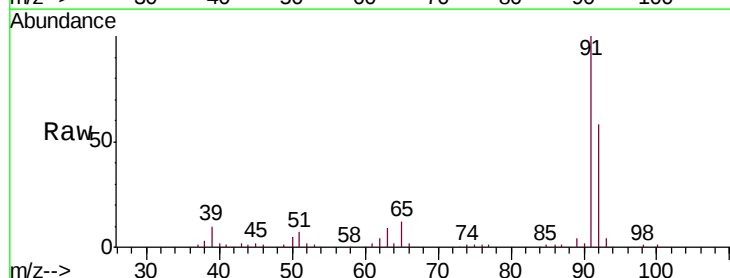
Acq: 18 Jan 2019 16:27

Tgt Ion: 92 Resp: 57599

Ion Ratio Lower Upper

92 100

91 176.7 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VV009223.D (-1878) (-)

Ion 91.00 (90.70 to 91.70): VV009223.D (-1878) (-)

7.43

60000

50000

40000

30000

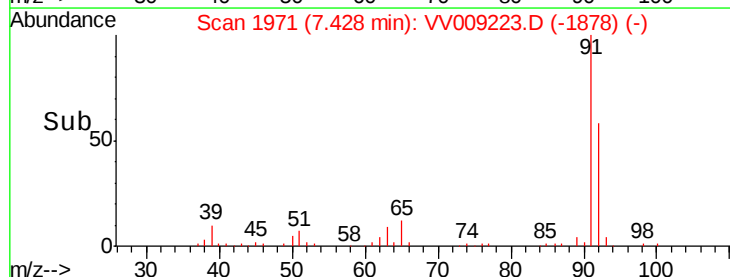
20000

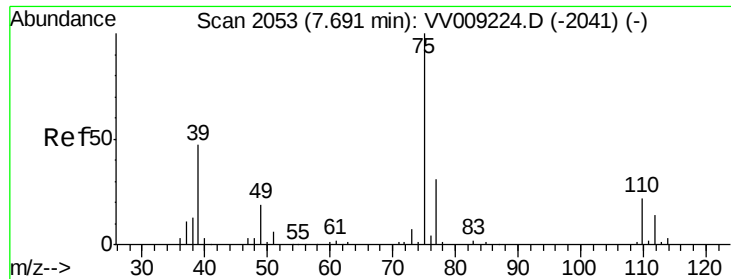
10000

0

7.35 7.40 7.45 7.50

Time-->

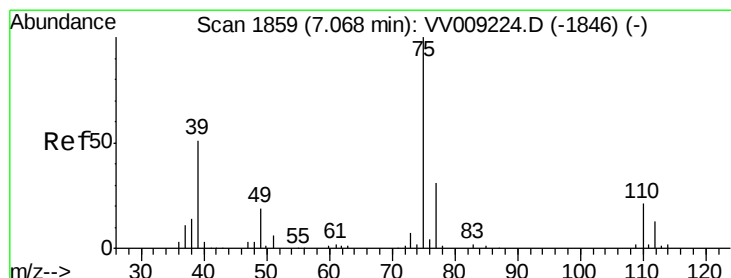
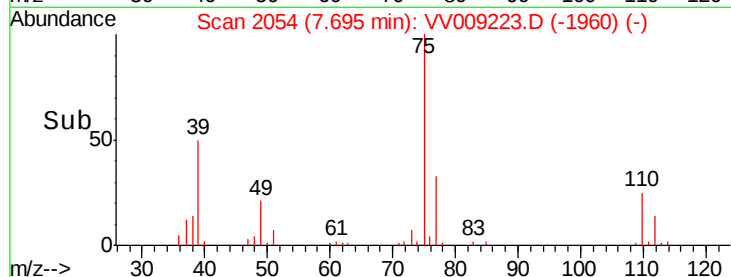
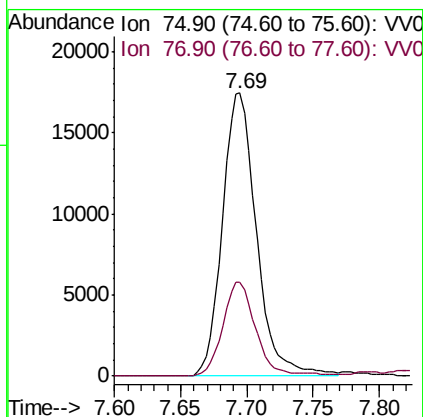
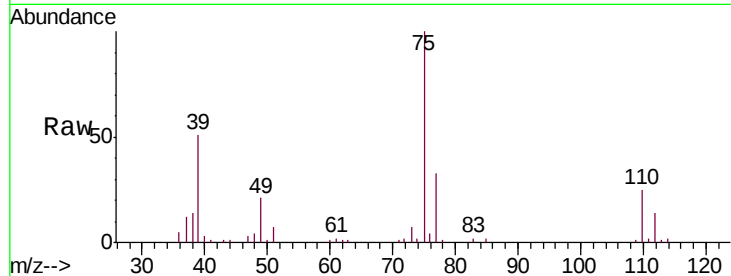




#53
 t-1,3-Dichloropropene
 Concen: 20.482 ug/l
 RT: 7.69 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

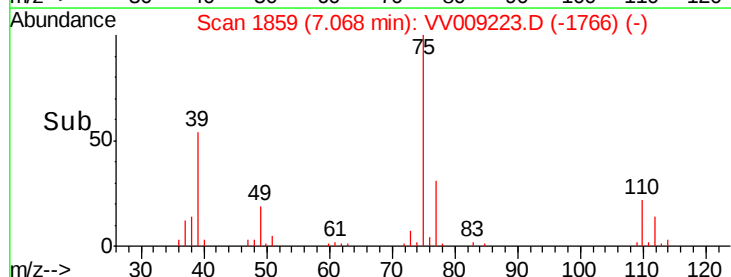
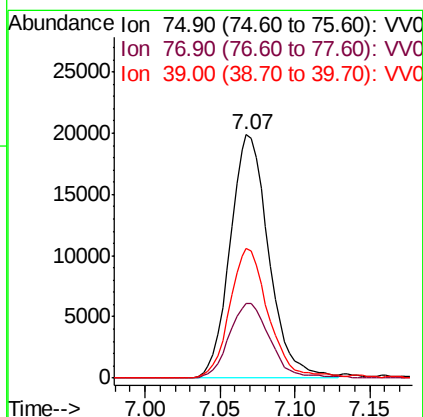
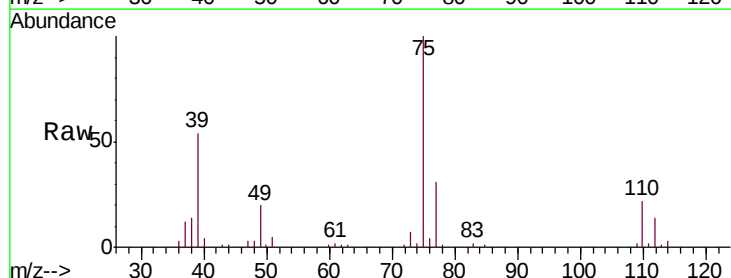
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

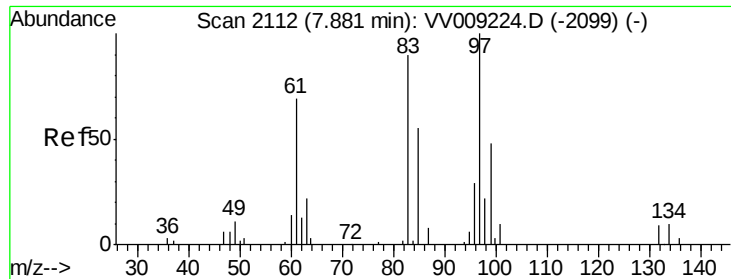
Tgt Ion: 75 Resp: 31230
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 20.315 ug/l
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 75 Resp: 35783
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.7 37.1
 39 53.5 40.8 61.2

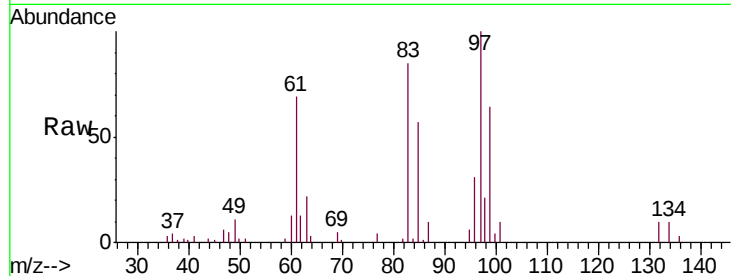




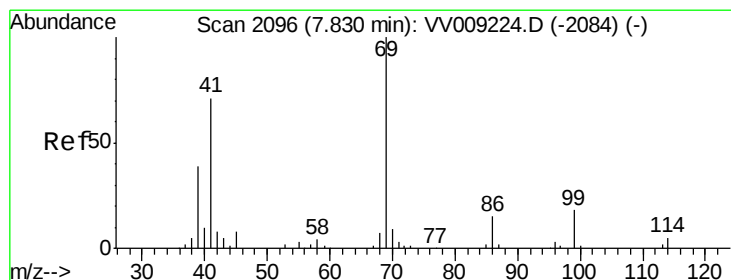
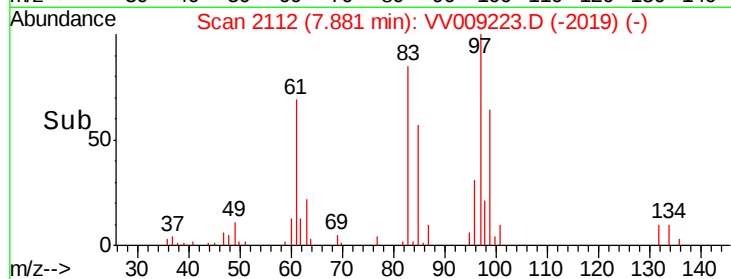
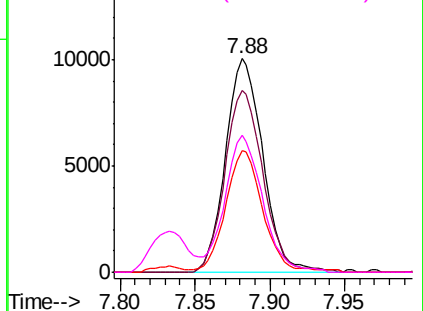
#55
 1,1,2-Trichloroethane
 Concen: 22.293 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 17481
 Ion Ratio Lower Upper
 97 100
 83 84.8 71.9 107.9
 85 55.6 44.8 67.2
 99 63.9 50.9 76.3

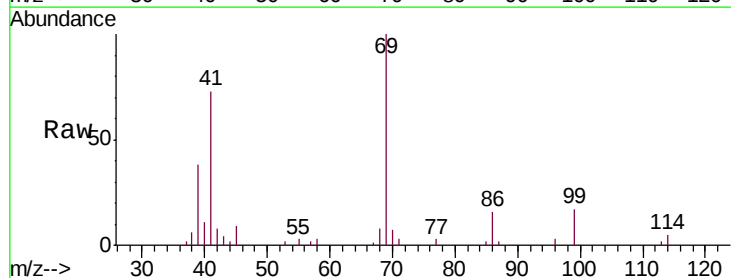


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

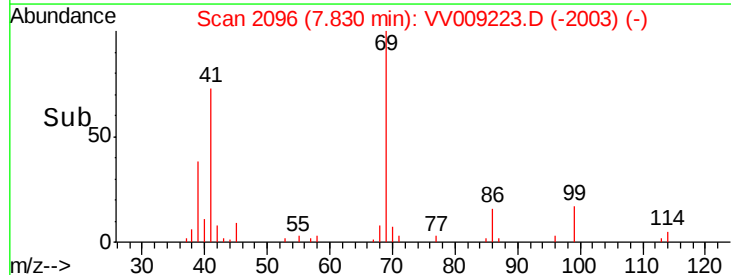
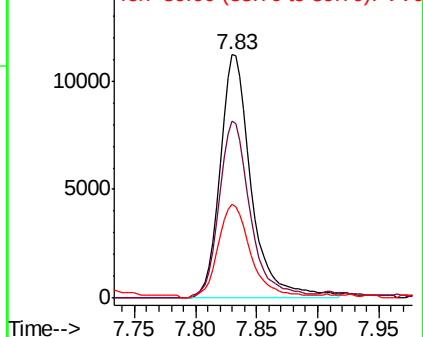


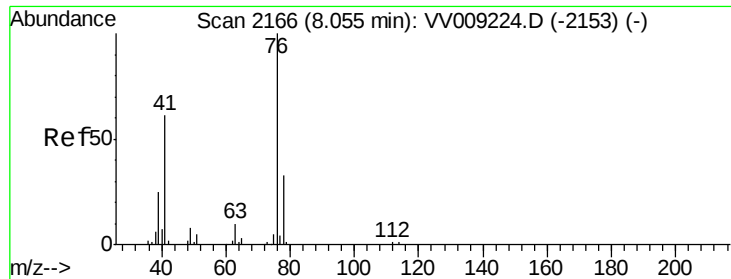
#56
 Ethyl methacrylate
 Concen: 20.467 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 69 Resp: 20172
 Ion Ratio Lower Upper
 69 100
 41 73.0 55.4 83.2
 39 40.9 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VV0
 Ion 41.00 (40.70 to 41.70): VV0
 Ion 39.00 (38.70 to 39.70): VV0





#57

1,3-Dichloropropane

Concen: 21.483 ug/l

RT: 8.06 min Scan# 2167

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

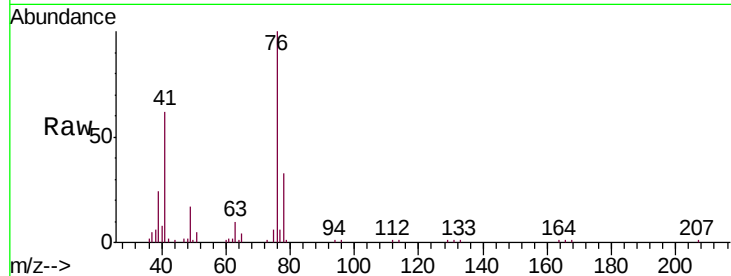
VSTDIC020

Tgt Ion: 76 Resp: 31764

Ion Ratio Lower Upper

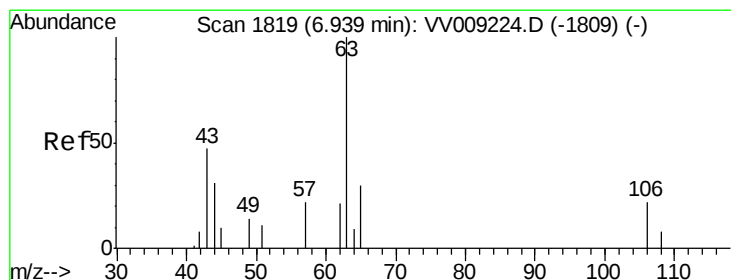
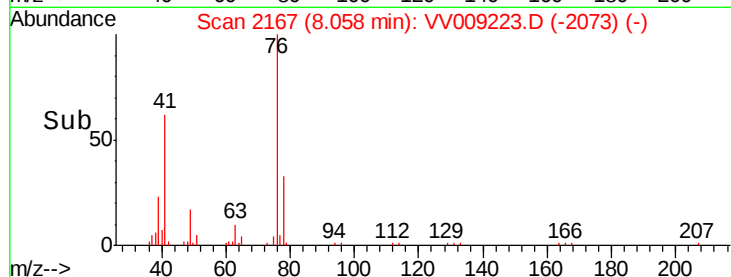
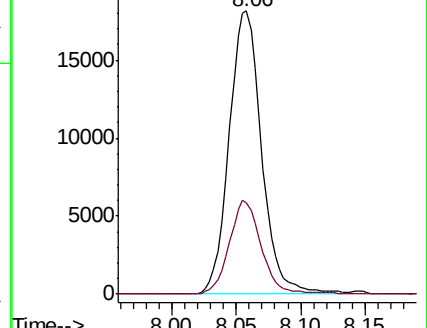
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VV009223.D (-2153) (-)

Ion 77.90 (77.60 to 78.60): VV009223.D (-2073) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 130.079 ug/l

RT: 6.94 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VV009223.D

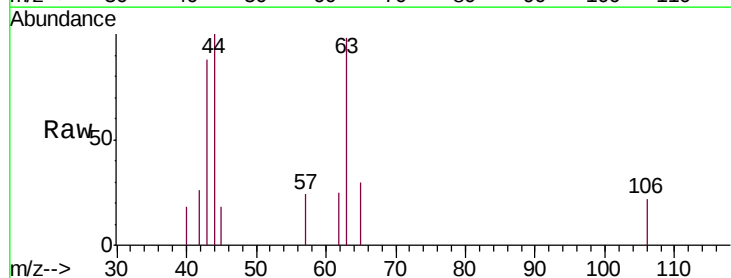
Acq: 18 Jan 2019 16:27

Tgt Ion: 63 Resp: 1152

Ion Ratio Lower Upper

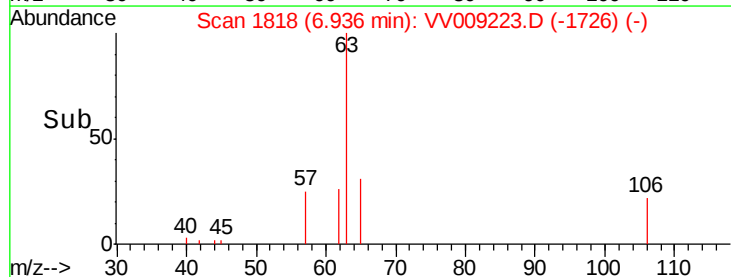
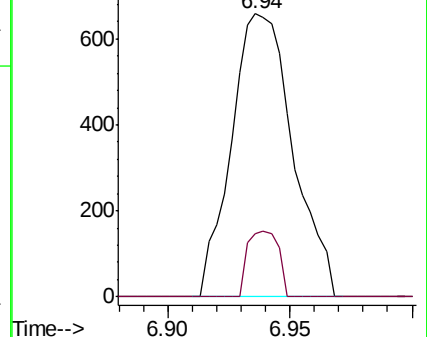
63 100

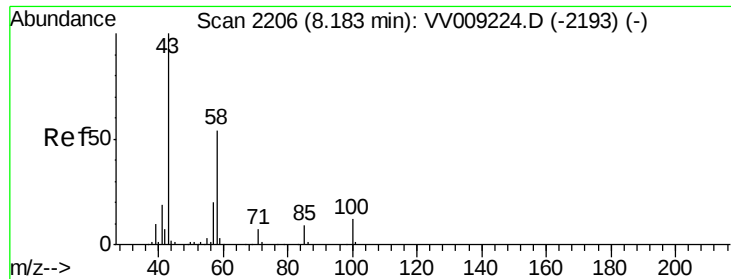
106 11.5 16.6 24.8#



Abundance Ion 62.90 (62.60 to 63.60): VV009223.D (-1726) (-)

Ion 105.90 (105.60 to 106.60): VV009223.D (-106) (-)

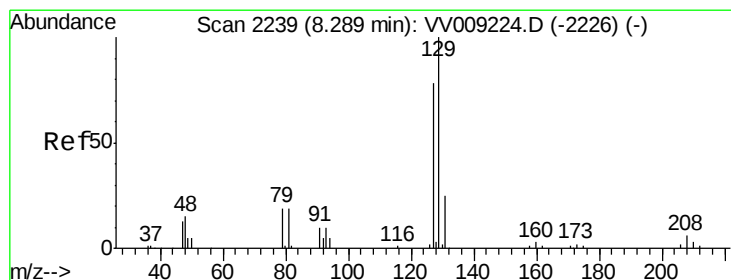
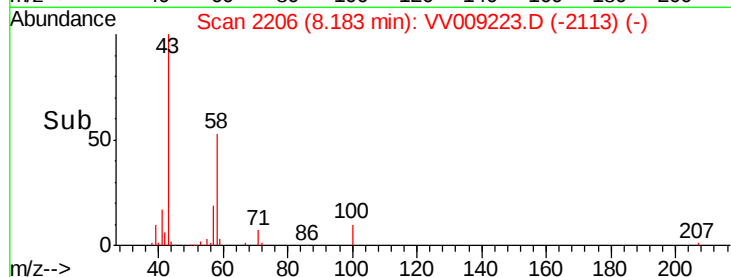
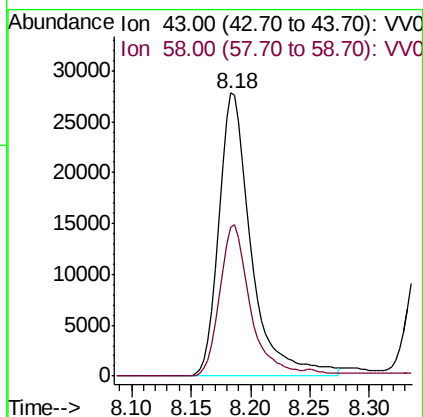
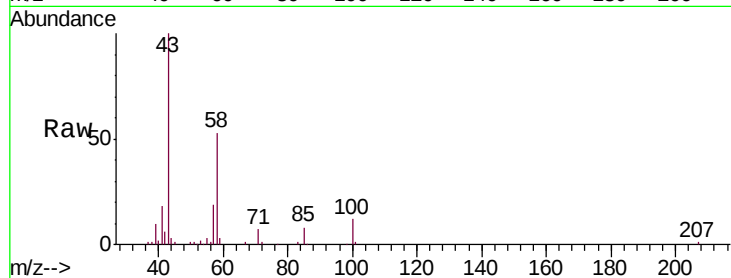




#59
2-Hexanone
Concen: 110.816 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

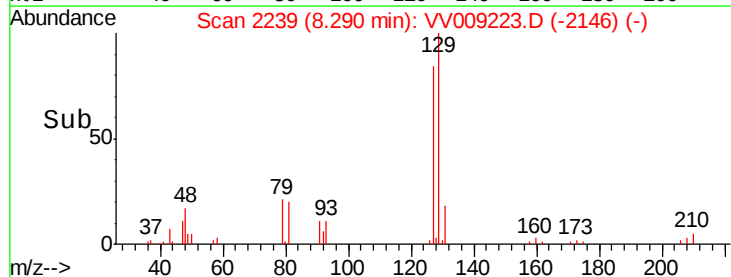
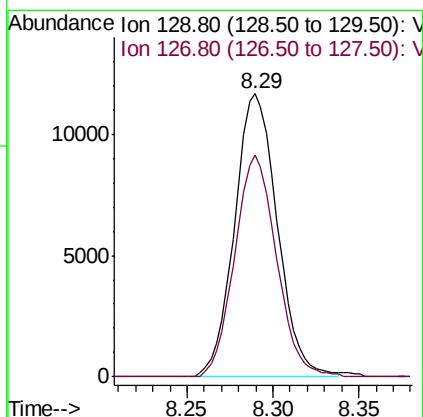
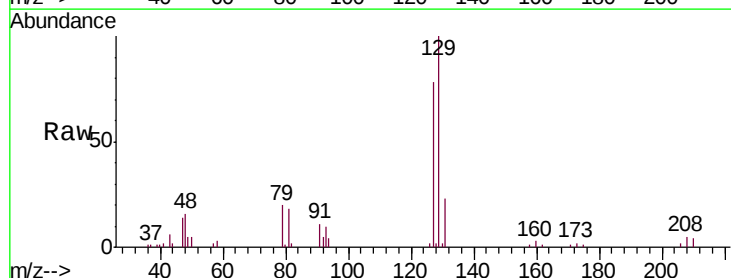
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

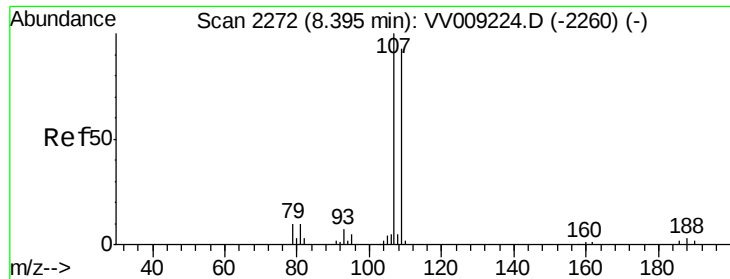
Tgt Ion: 43 Resp: 52505
Ion Ratio Lower Upper
43 100
58 50.5 26.3 78.9



#60
Dibromochloromethane
Concen: 20.875 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion: 129 Resp: 20156
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

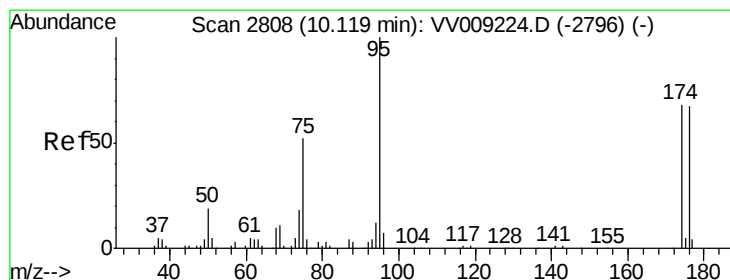
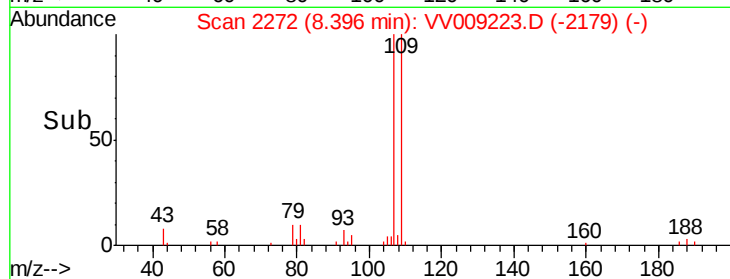
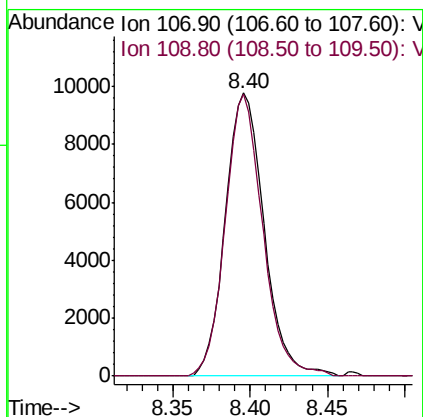
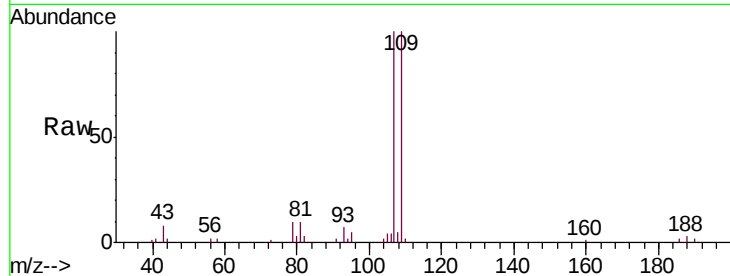




#61
 1,2-Dibromoethane
 Concen: 21.749 ug/l
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

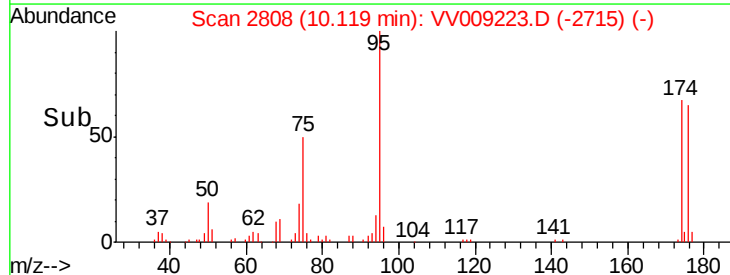
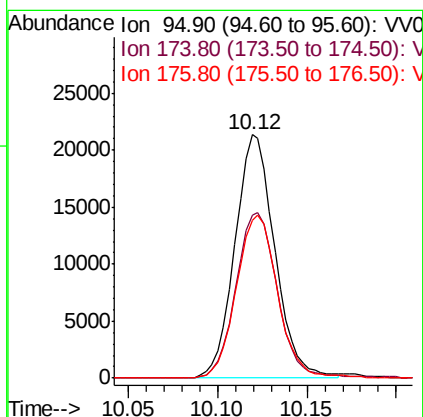
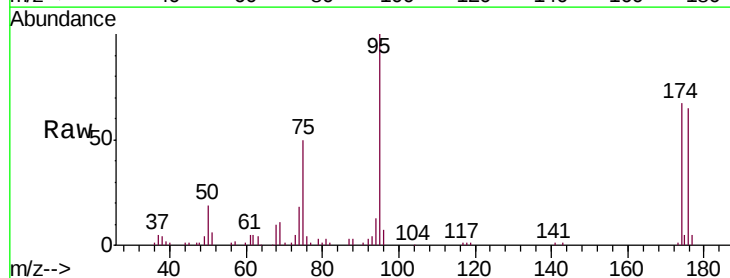
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

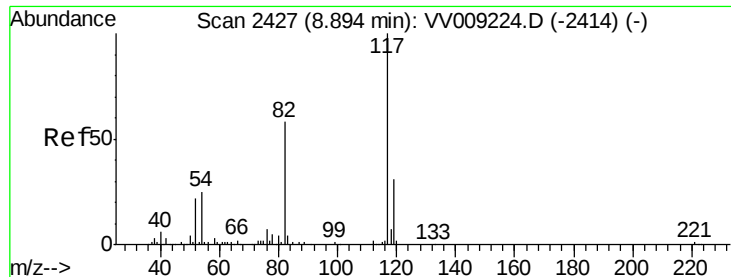
Tgt Ion: 107 Resp: 17045
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 21.920 ug/l
 RT: 10.12 min Scan# 2808
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 95 Resp: 33161
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 141.6
 176 69.4 0.0 138.6

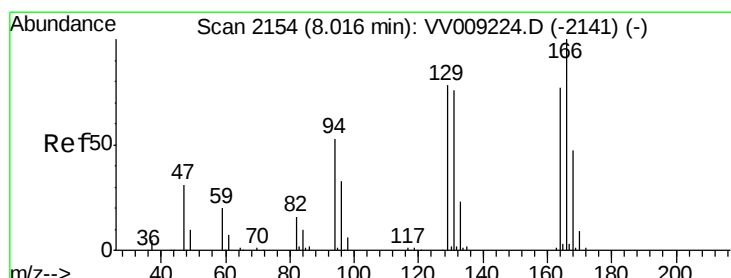
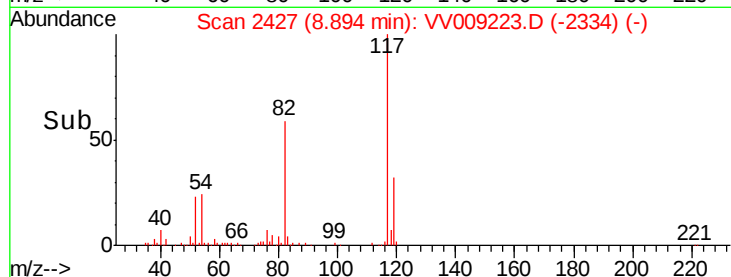
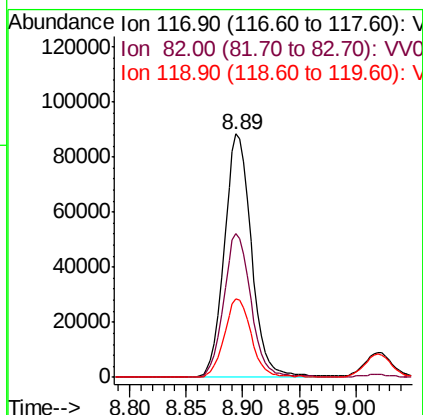
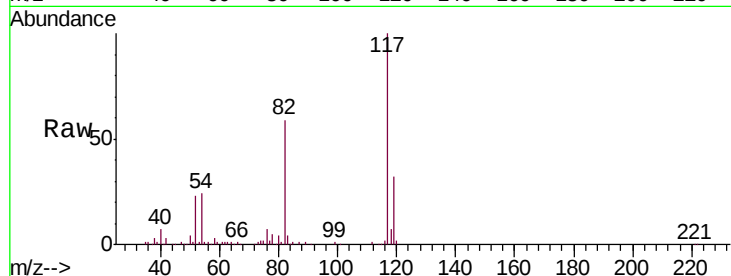




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

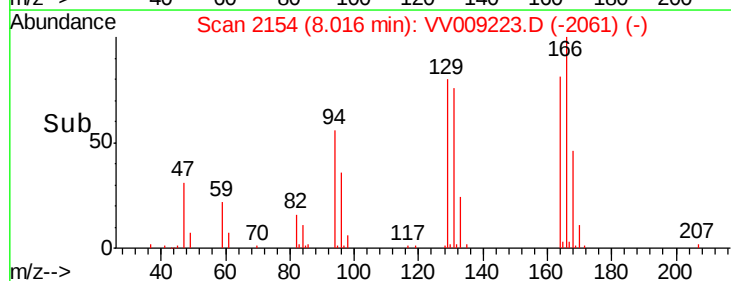
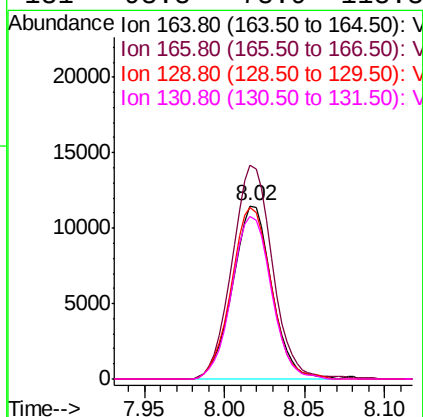
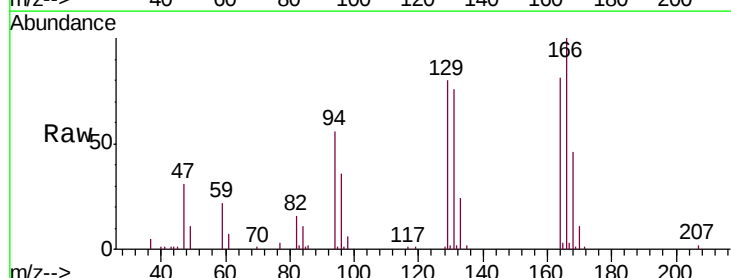
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

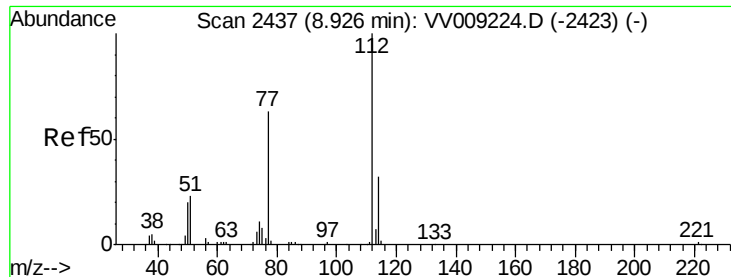
Tgt Ion:117 Resp: 147763
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.2
119 32.2 25.0 37.4



#64
Tetrachloroethene
Concen: 20.899 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion:164 Resp: 19153
Ion Ratio Lower Upper
164 100
166 123.4 104.2 156.2
129 99.1 81.0 121.4
131 93.8 78.9 118.3





#65

Chlorobenzene

Concen: 20.804 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

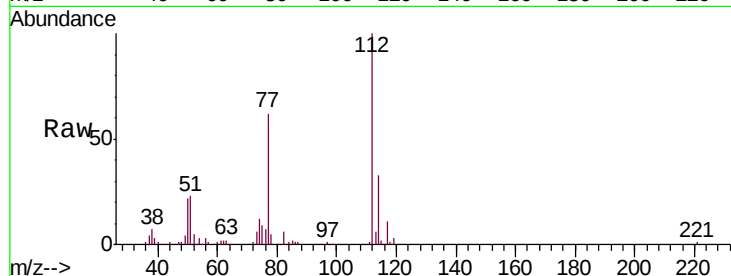
VSTDIC020

Tgt Ion:112 Resp: 64695

Ion Ratio Lower Upper

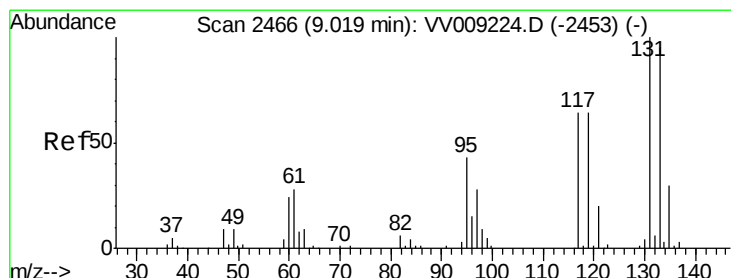
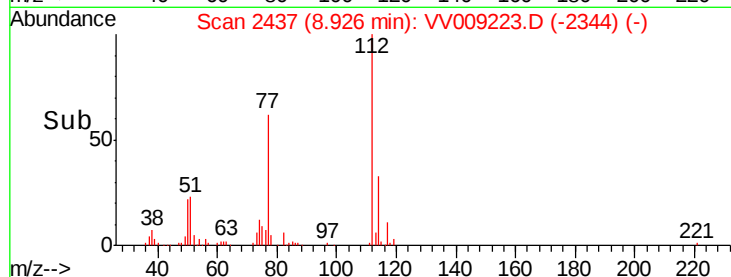
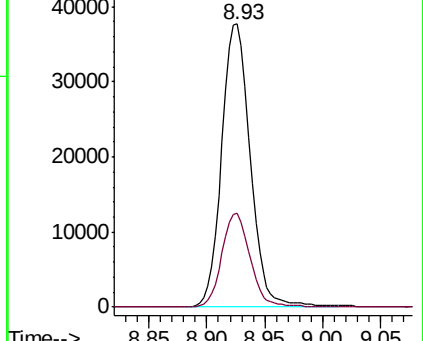
112 100

114 33.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.117 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

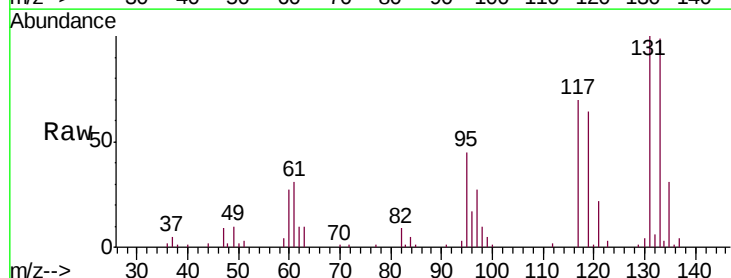
Tgt Ion:131 Resp: 22216

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

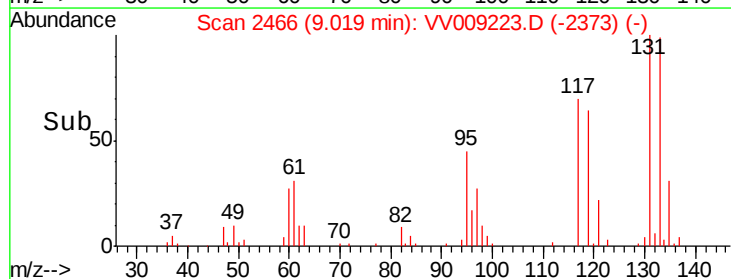
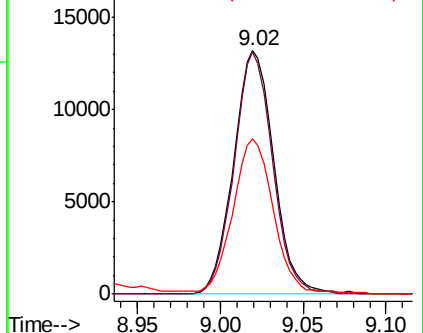
119 62.1 32.5 97.5

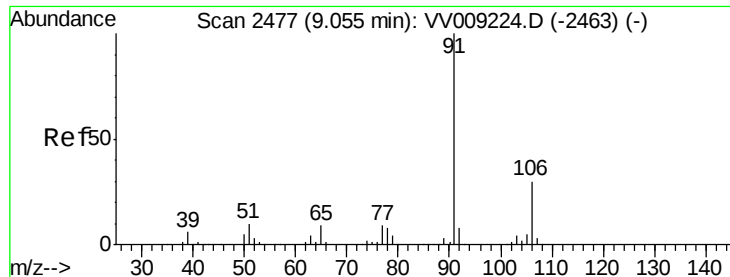


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.439 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

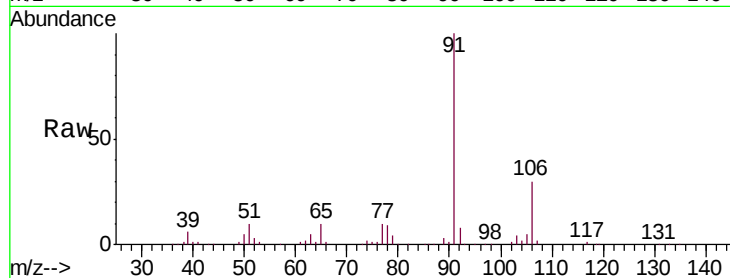
VSTDIC020

Tgt Ion: 91 Resp: 114606

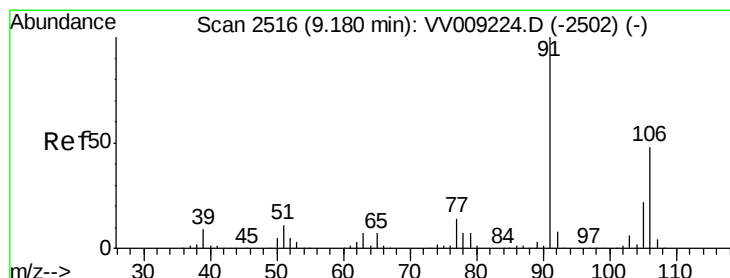
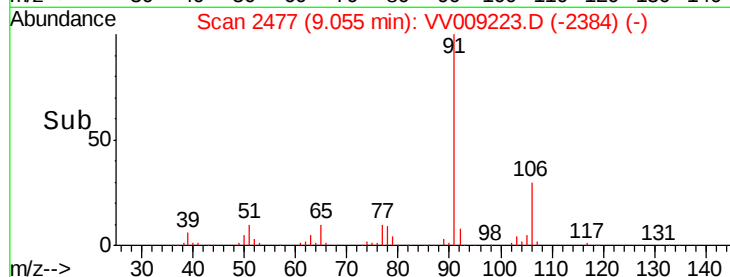
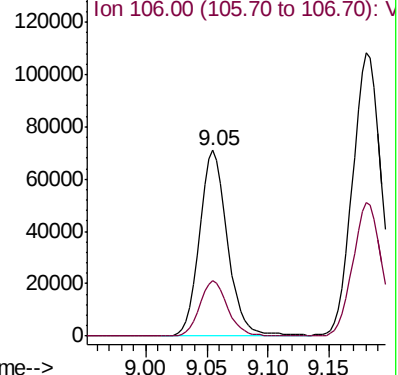
Ion Ratio Lower Upper

91 100

106 29.8 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VV009223.D (-2384) (-)



#68

m/p-Xylenes

Concen: 41.407 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009223.D

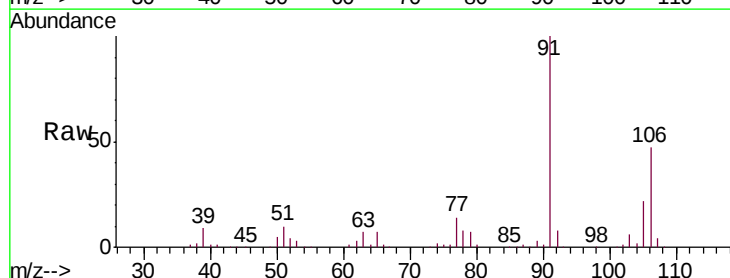
Acq: 18 Jan 2019 16:27

Tgt Ion: 106 Resp: 86628

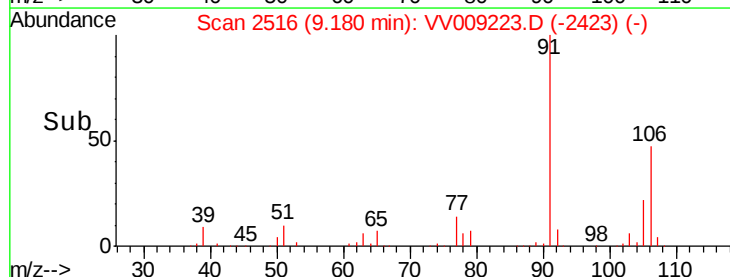
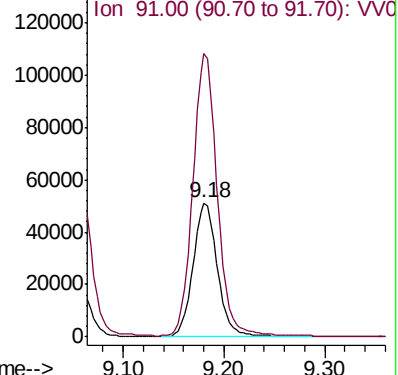
Ion Ratio Lower Upper

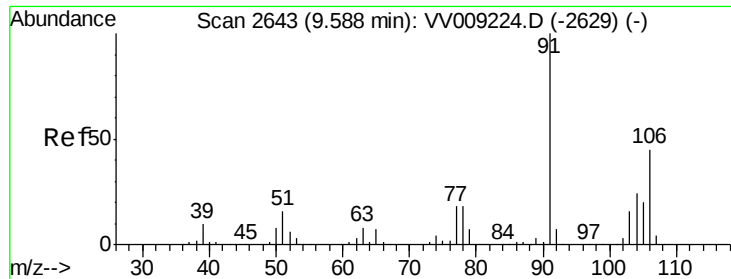
106 100

91 210.8 170.4 255.6



Abundance Ion 106.00 (105.70 to 106.70): VV009223.D (-2423) (-)

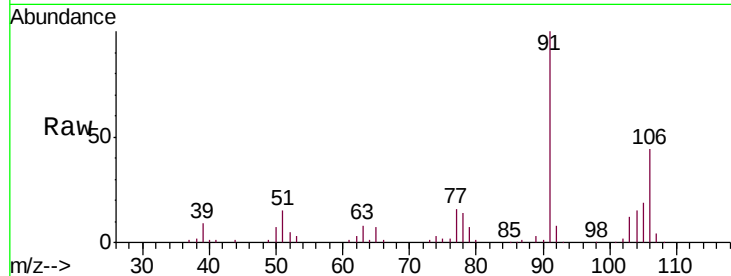




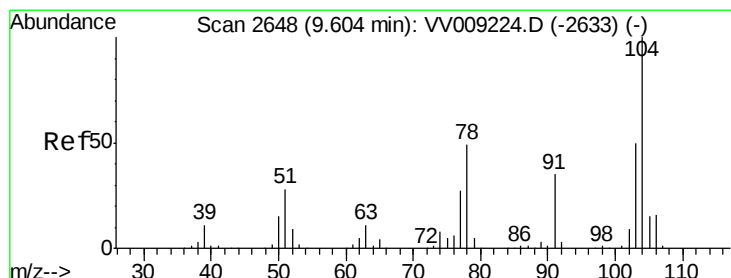
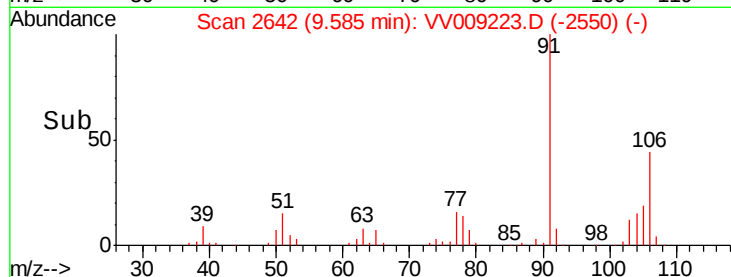
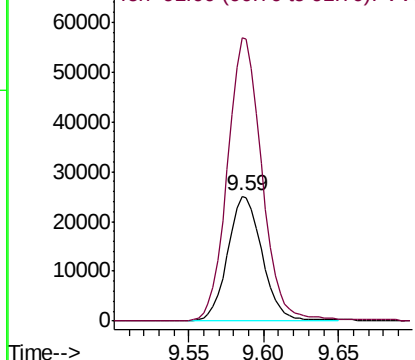
#69
o-Xylene
Concen: 20.106 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 40362
Ion Ratio Lower Upper
106 100
91 227.4 110.6 331.8

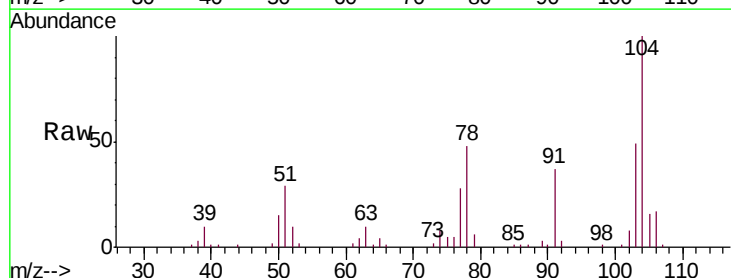


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

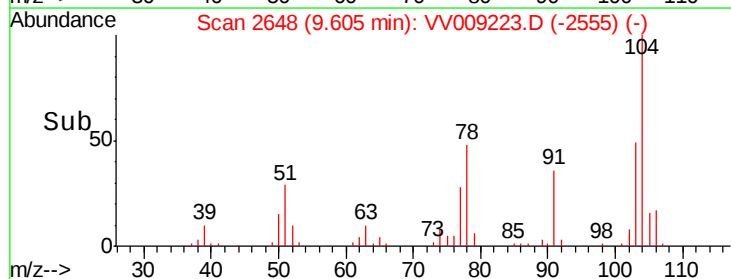
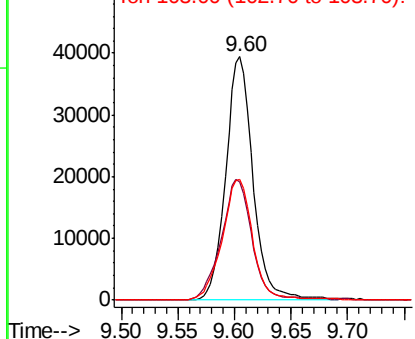


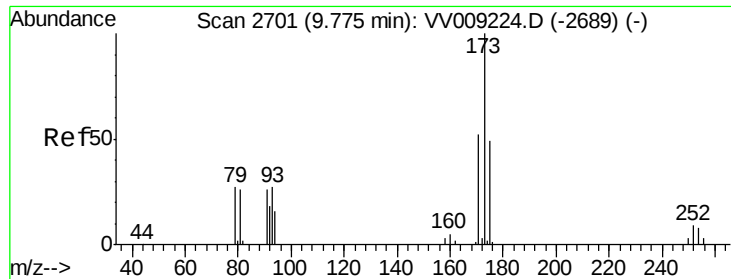
#70
Styrene
Concen: 20.132 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion:104 Resp: 66290
Ion Ratio Lower Upper
104 100
78 55.8 43.7 65.5
103 55.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.906 ug/l

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

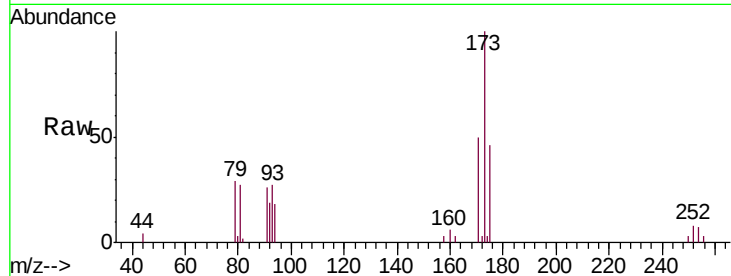
Tgt Ion:173 Resp: 10640

Ion Ratio Lower Upper

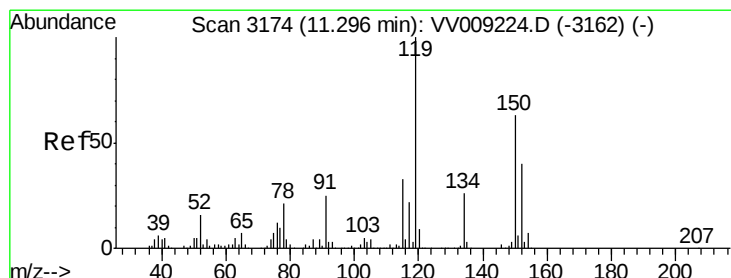
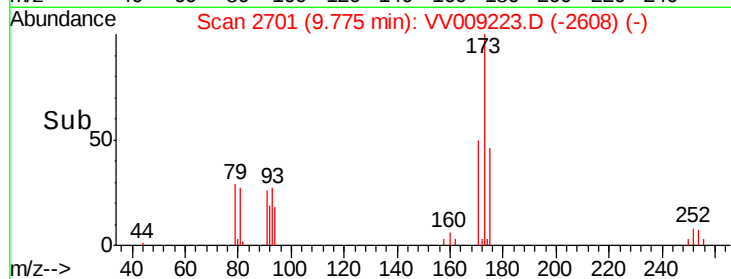
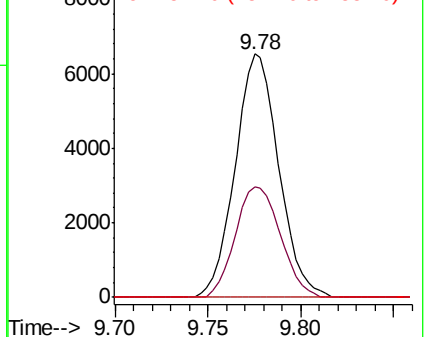
173 100

175 46.9 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

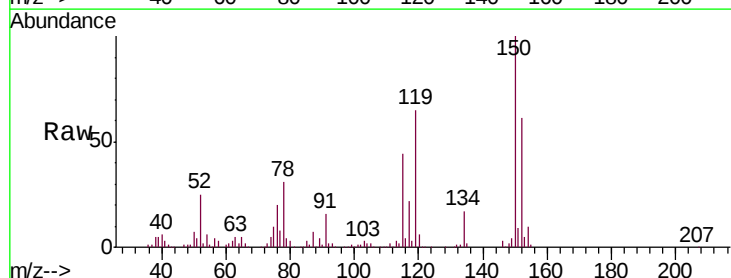
Tgt Ion:152 Resp: 74260

Ion Ratio Lower Upper

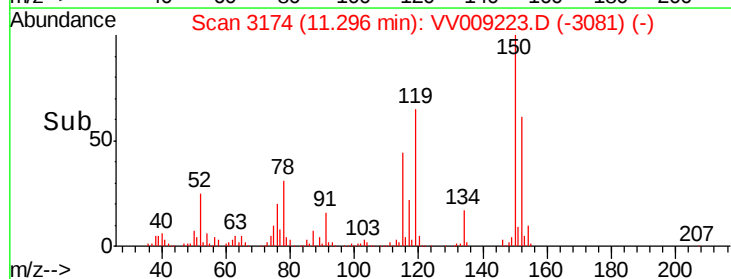
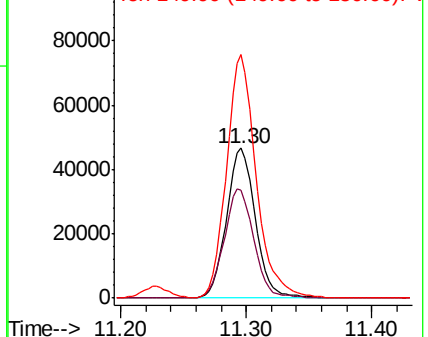
152 100

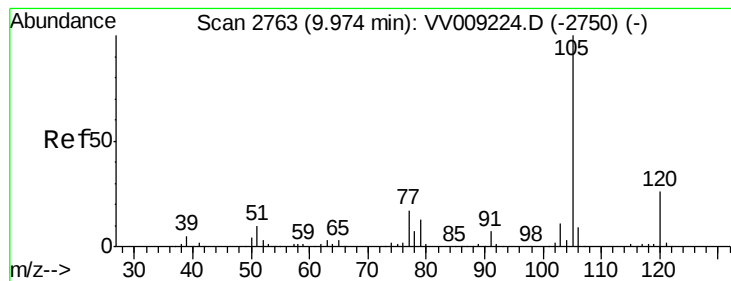
115 74.8 45.1 135.3

150 167.1 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.499 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

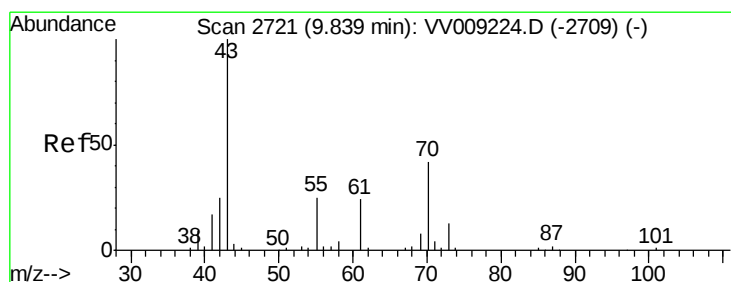
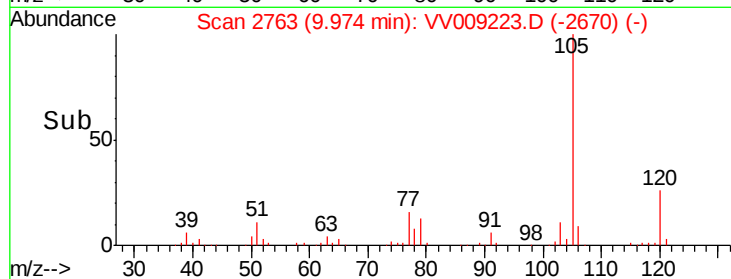
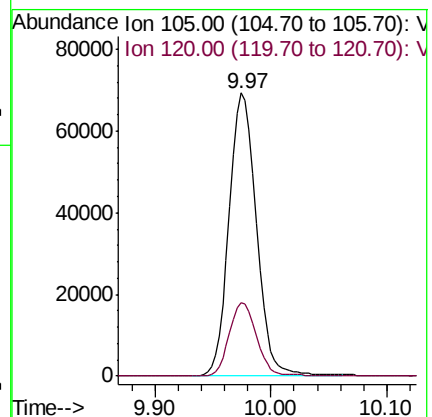
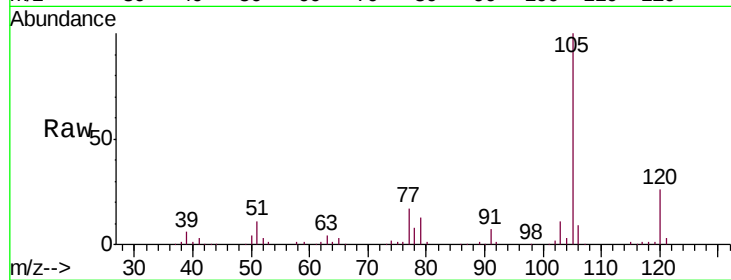
VSTDIC020

Tgt Ion: 105 Resp: 113286

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



#74

N-ethyl acetate

Concen: 20.864 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Tgt Ion: 43 Resp: 24507

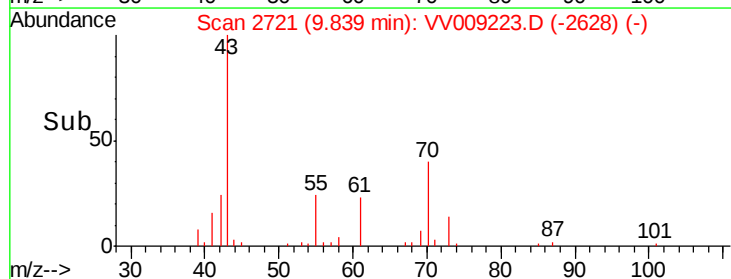
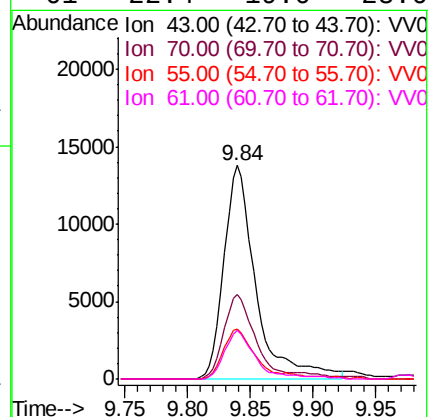
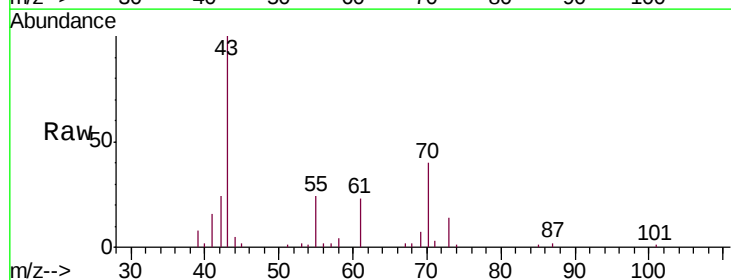
Ion Ratio Lower Upper

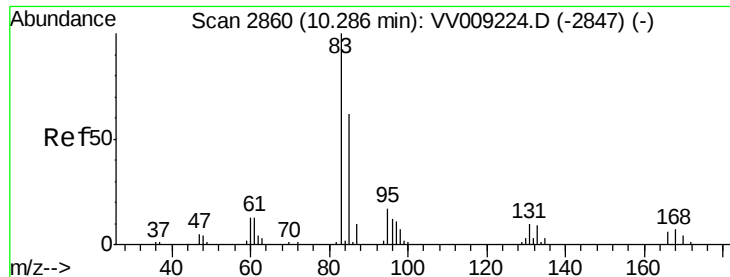
43 100

70 40.8 32.4 48.6

55 24.7 19.9 29.9

61 22.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.594 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

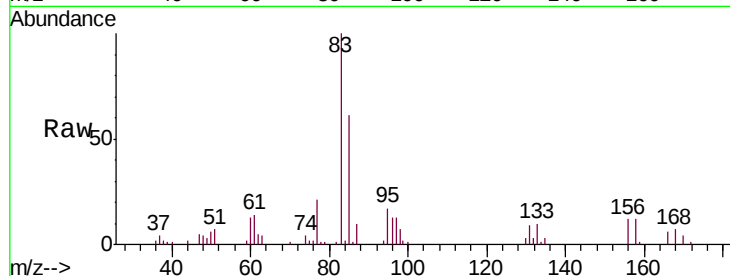
Tgt Ion: 83 Resp: 21240

Ion Ratio Lower Upper

83 100

131 9.4 5.2 15.6

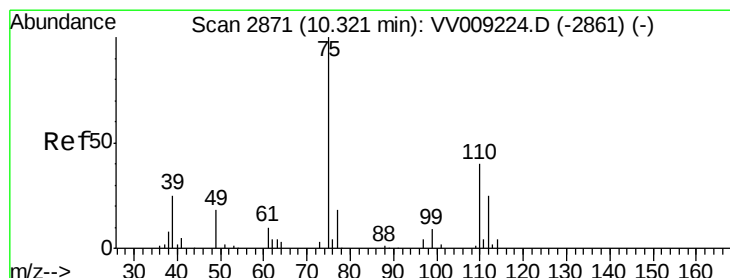
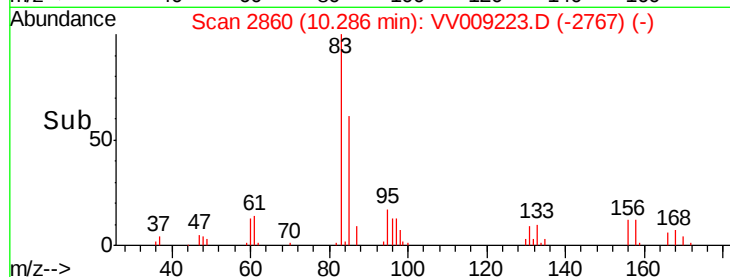
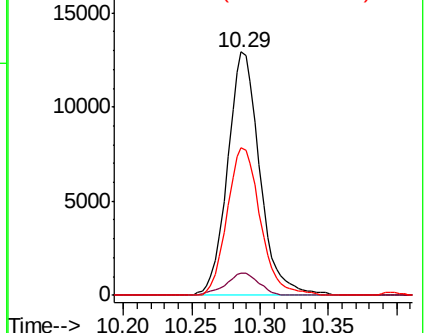
85 62.4 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VV009223.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009223.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009223.D (-2767) (-)



#76

1,2,3-Trichloropropane

Concen: 30.580 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009223.D

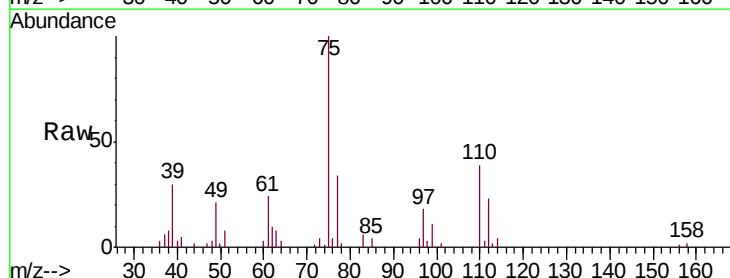
Acq: 18 Jan 2019 16:27

Tgt Ion: 75 Resp: 22696

Ion Ratio Lower Upper

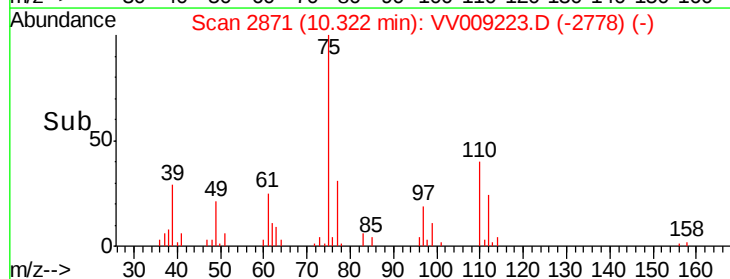
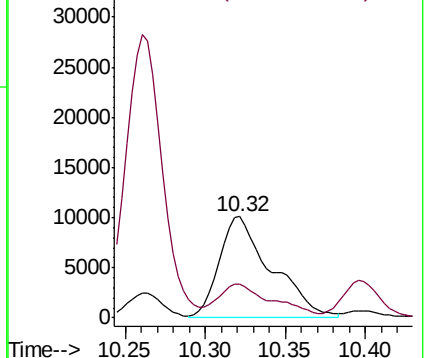
75 100

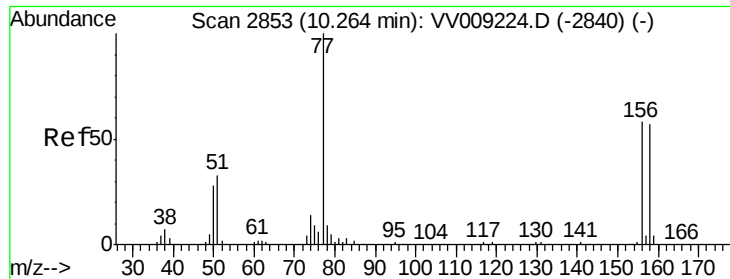
77 35.0 24.1 72.3



Abundance Ion 74.90 (74.60 to 75.60): VV009223.D (-2778) (-)

Ion 77.00 (76.70 to 77.70): VV009223.D (-2778) (-)





#77

Bromobenzene

Concen: 21.034 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

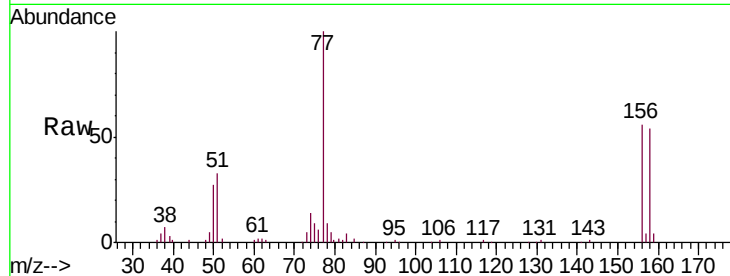
Tgt Ion:156 Resp: 25384

Ion Ratio Lower Upper

156 100

77 179.2 86.6 259.7

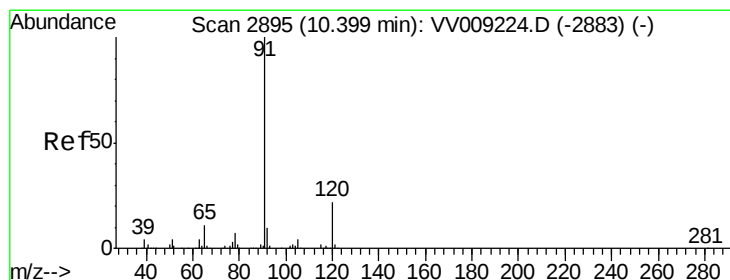
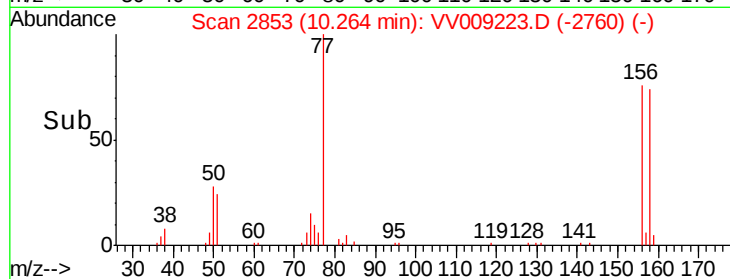
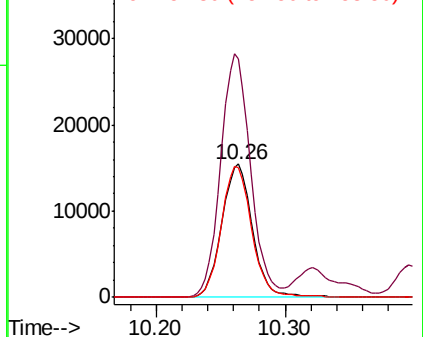
158 97.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.438 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009223.D

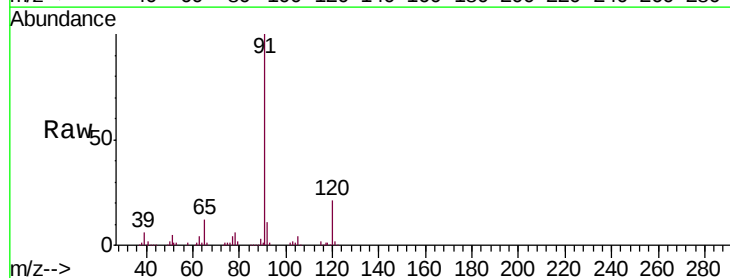
Acq: 18 Jan 2019 16:27

Tgt Ion: 91 Resp: 134897

Ion Ratio Lower Upper

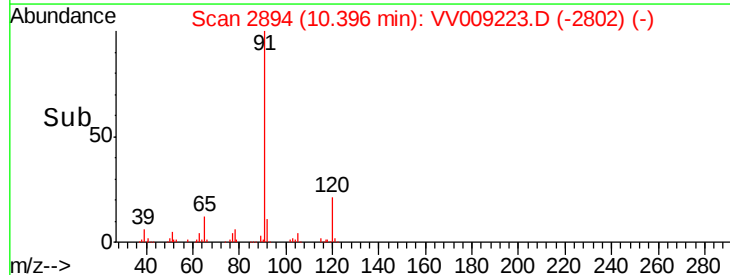
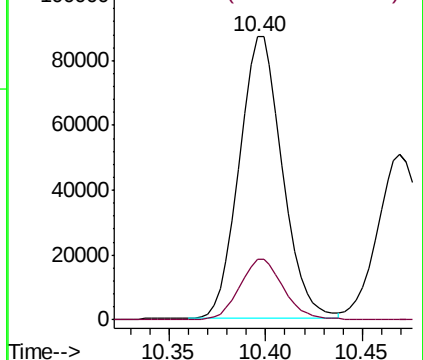
91 100

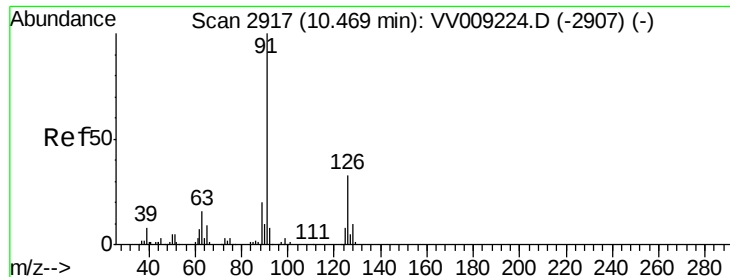
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.745 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampled :

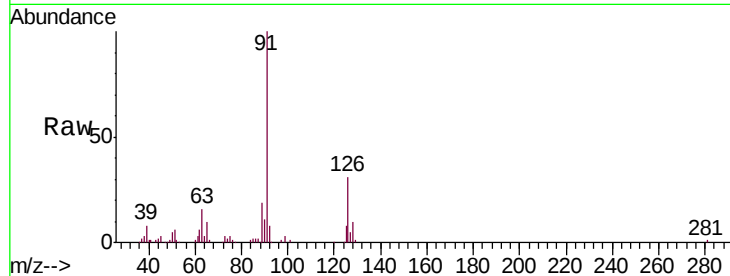
VSTDIC020

Tgt Ion: 91 Resp: 81735

Ion Ratio Lower Upper

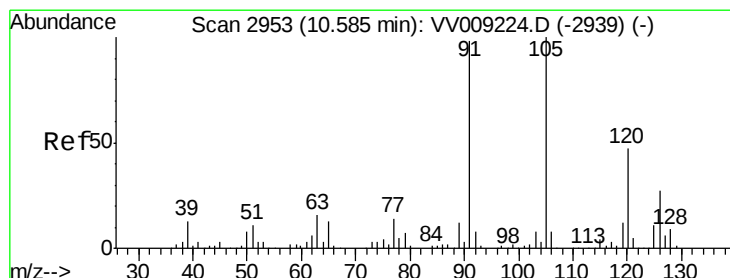
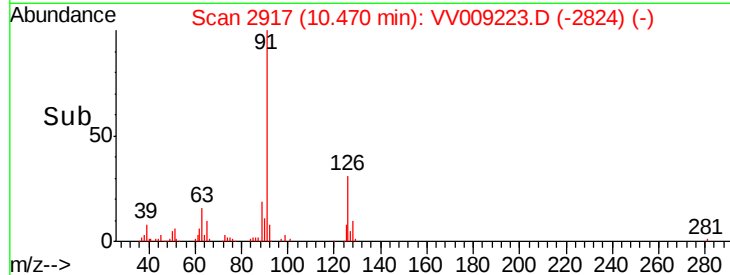
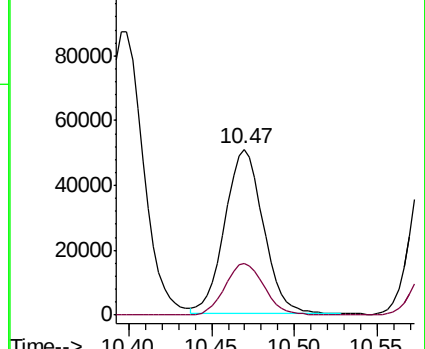
91 100

126 32.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VV009223.D (-2824) (-)

Ion 125.90 (125.60 to 126.60): VV009223.D (-2824) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.758 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009223.D

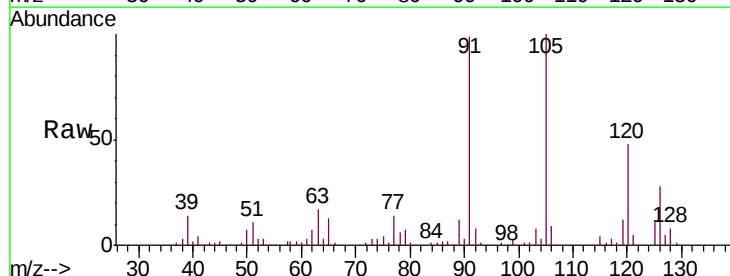
Acq: 18 Jan 2019 16:27

Tgt Ion: 105 Resp: 97588

Ion Ratio Lower Upper

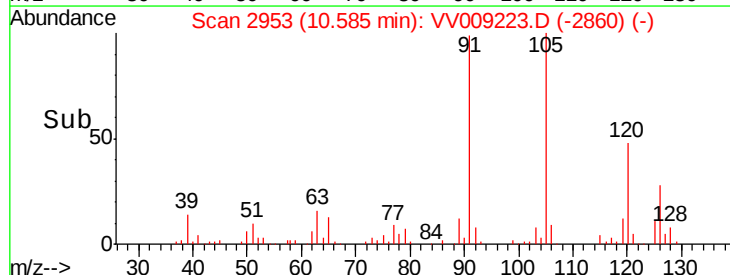
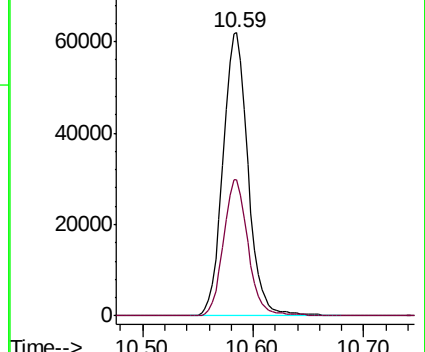
105 100

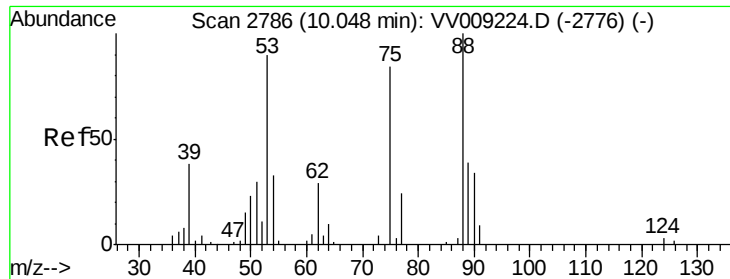
120 47.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VV009223.D (-2860) (-)

Ion 120.00 (119.70 to 120.70): VV009223.D (-2860) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.194 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

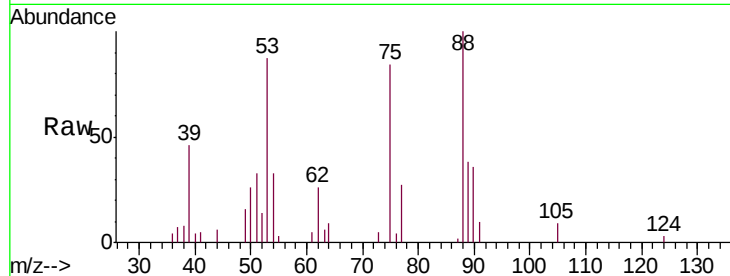
Tgt Ion: 75 Resp: 5703

Ion Ratio Lower Upper

75 100

53 109.9 85.5 128.3

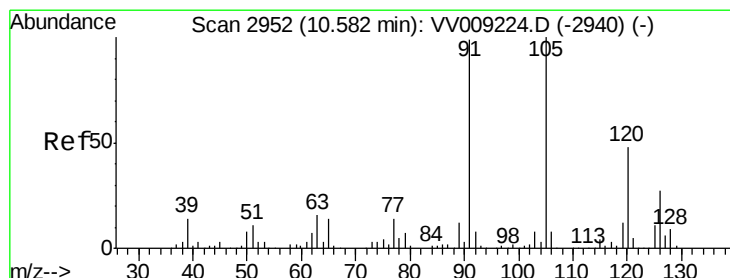
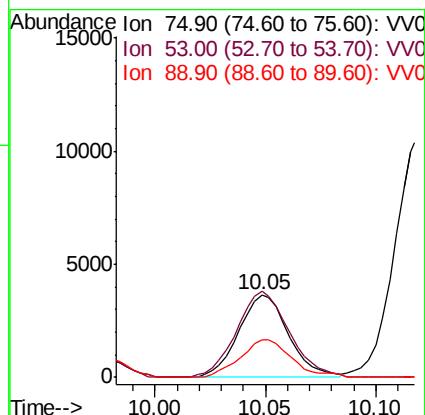
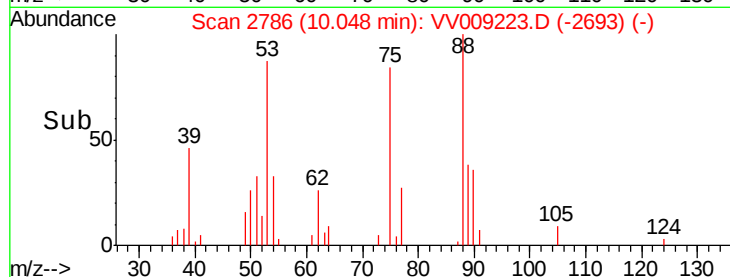
89 46.6 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VV009223.D (-2693) (-)

Ion 53.00 (52.70 to 53.70): VV009223.D (-2693) (-)

Ion 88.90 (88.60 to 89.60): VV009223.D (-2693) (-)



#82

4-Chlorotoluene

Concen: 21.292 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009223.D

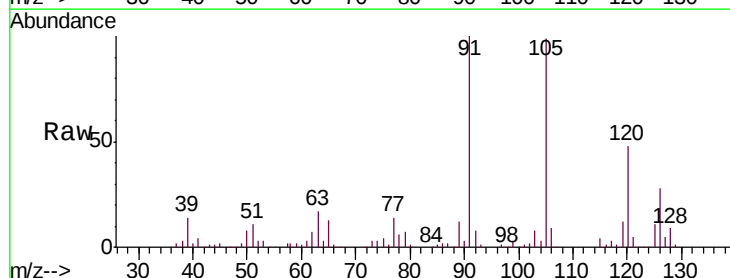
Acq: 18 Jan 2019 16:27

Tgt Ion: 91 Resp: 101035

Ion Ratio Lower Upper

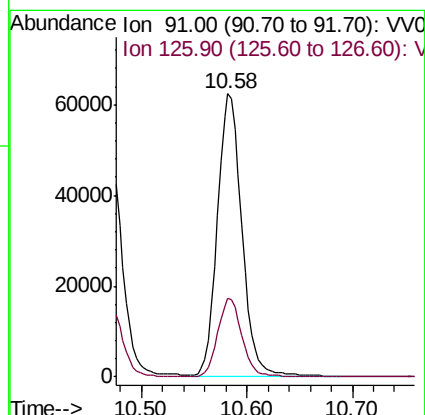
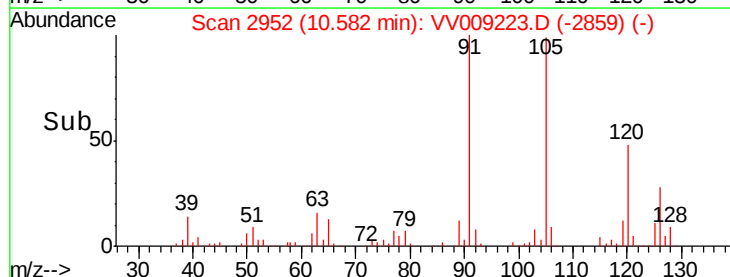
91 100

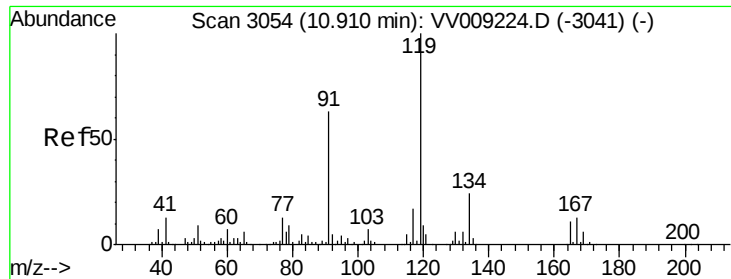
126 26.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VV009223.D (-2859) (-)

Ion 125.90 (125.60 to 126.60): VV009223.D (-2859) (-)

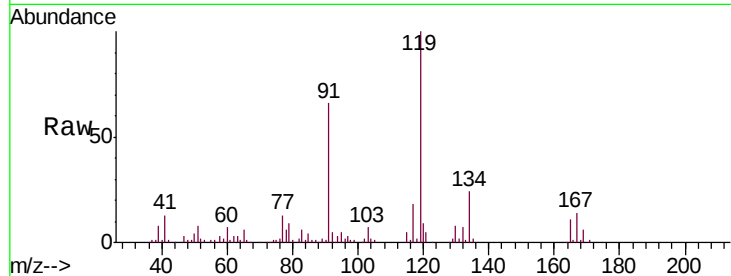




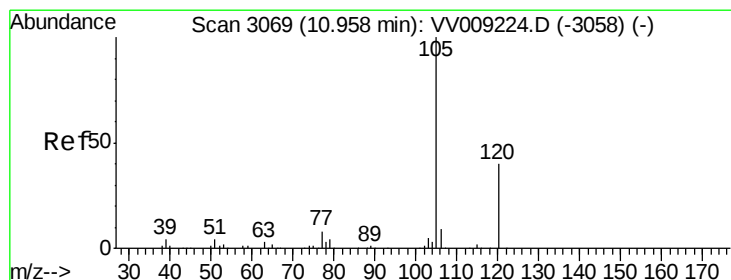
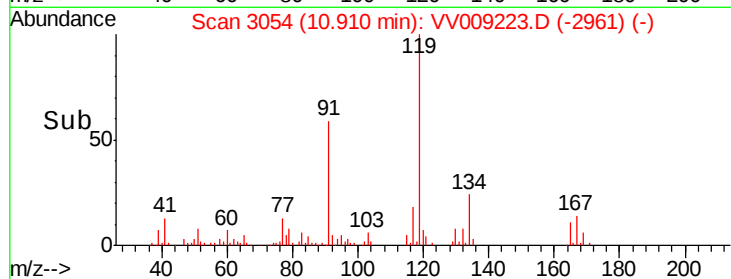
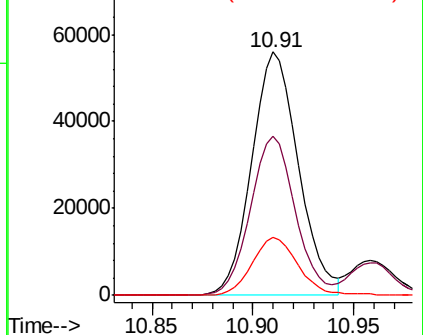
#83
 tert-Butylbenzene
 Concen: 20.372 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 90740
 Ion Ratio Lower Upper
 119 100
 91 62.7 30.5 91.5
 134 23.5 11.8 35.4

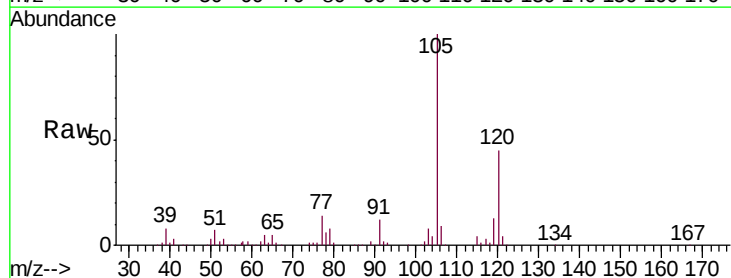


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VV0
 Ion 134.00 (133.70 to 134.70): V

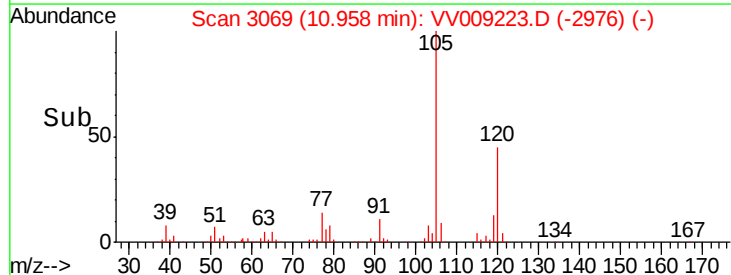
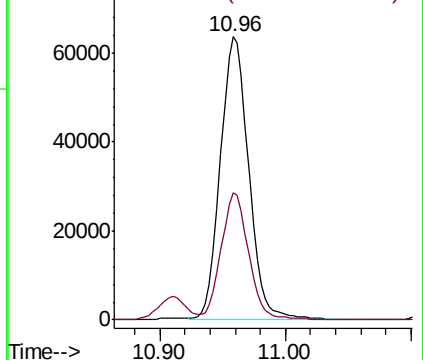


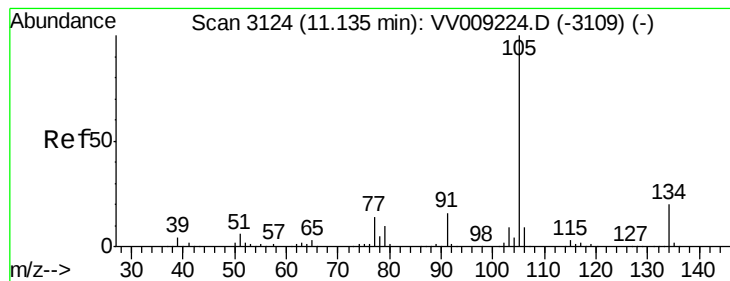
#84
 1,2,4-Trimethylbenzene
 Concen: 20.848 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion:105 Resp: 100219
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 20.383 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

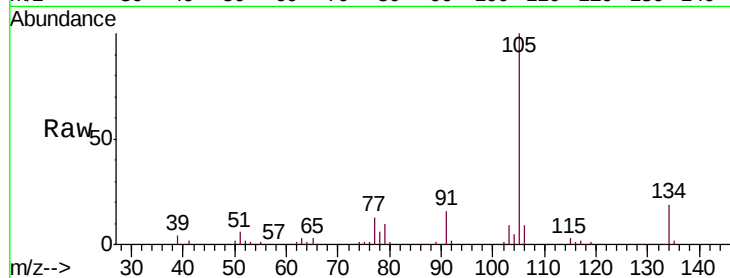
VSTDIC020

Tgt Ion:105 Resp: 116681

Ion Ratio Lower Upper

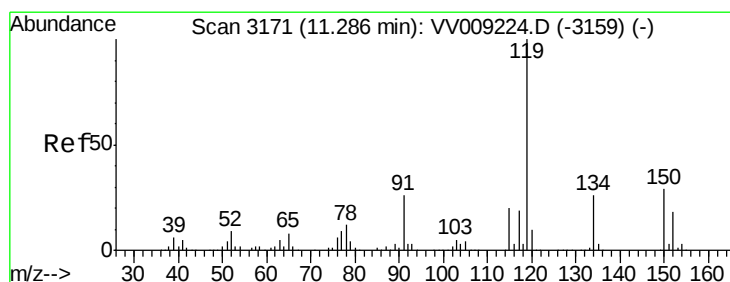
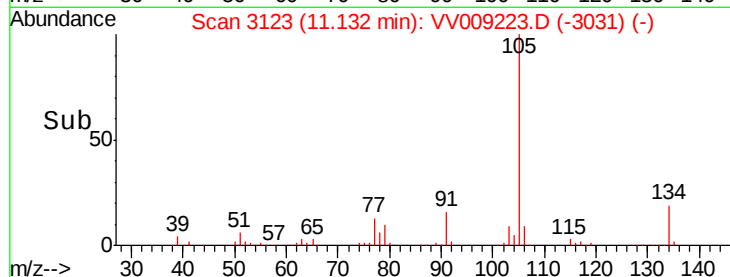
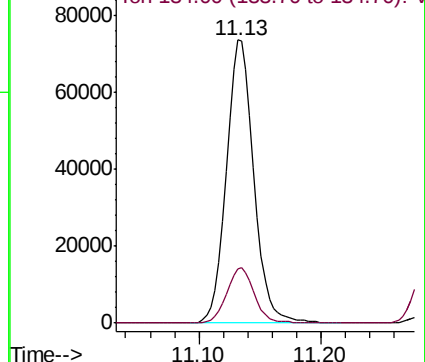
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.531 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

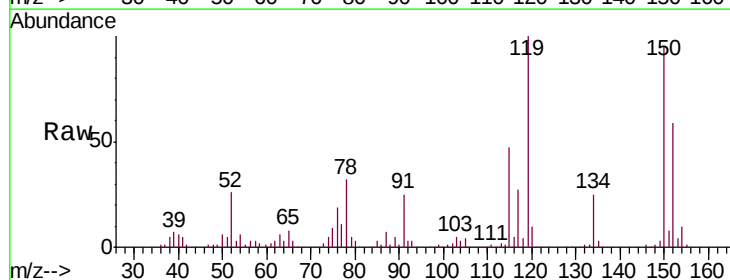
Tgt Ion:119 Resp: 104469

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

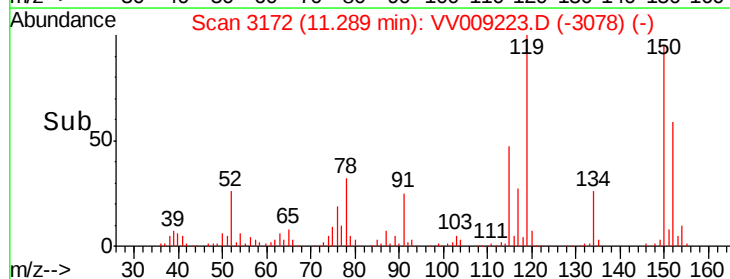
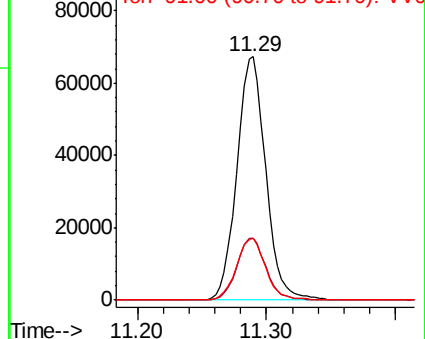
91 25.7 12.9 38.7

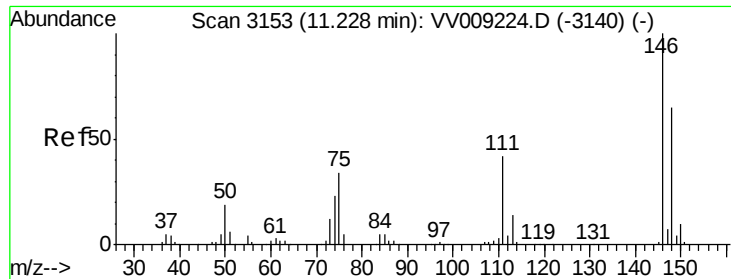


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0

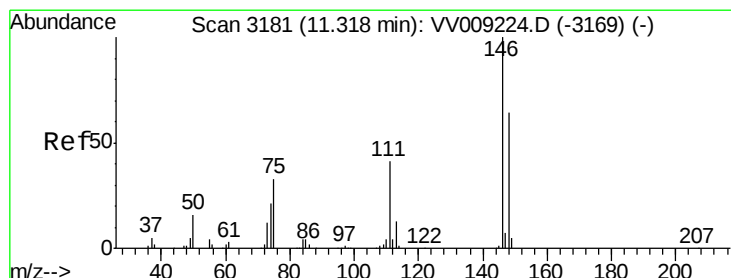
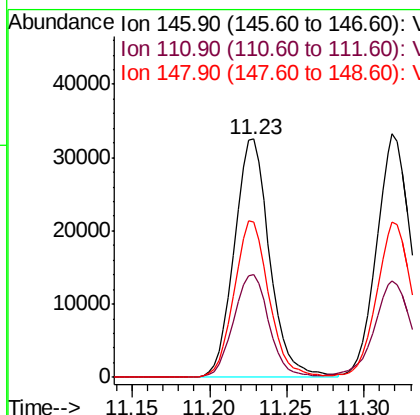
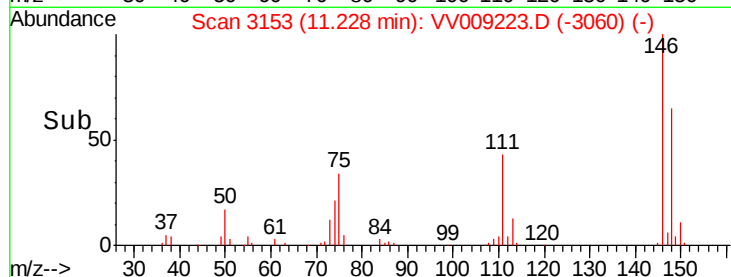
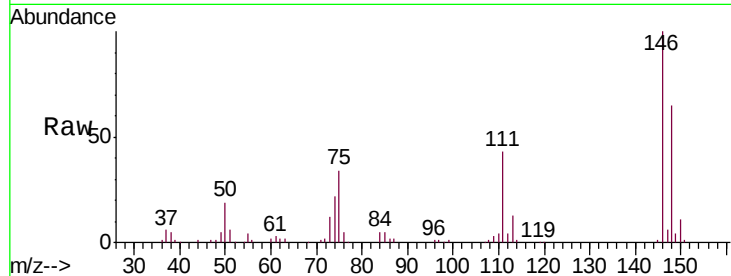




#87
 1,3-Dichlorobenzene
 Concen: 21.183 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

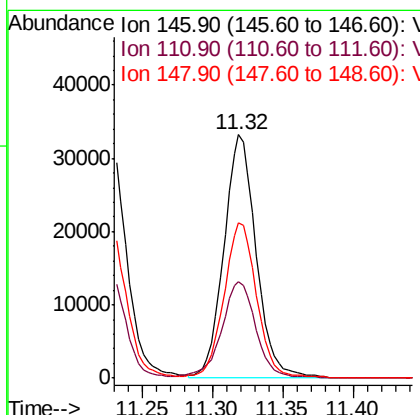
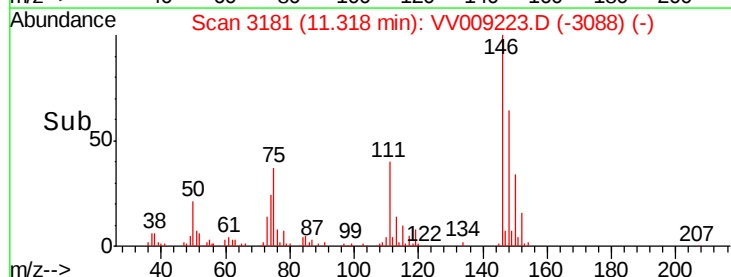
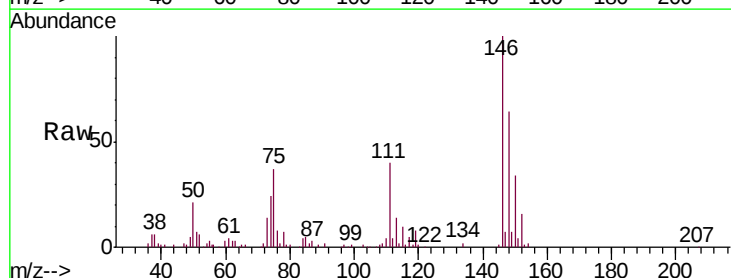
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

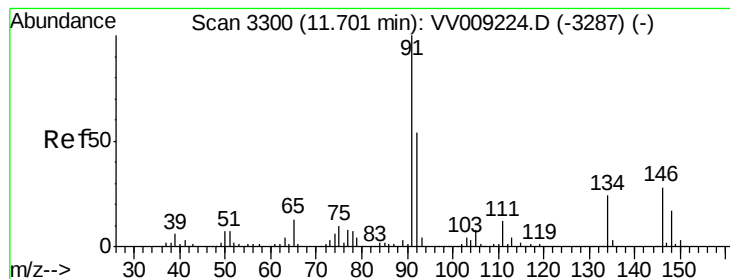
Tgt Ion:146 Resp: 51706
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.1
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 21.543 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion:146 Resp: 53064
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.0 63.0
 148 65.0 31.8 95.3





#89

n-Butylbenzene

Concen: 20.284 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009223.D

Acq: 18 Jan 2019 16:27

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

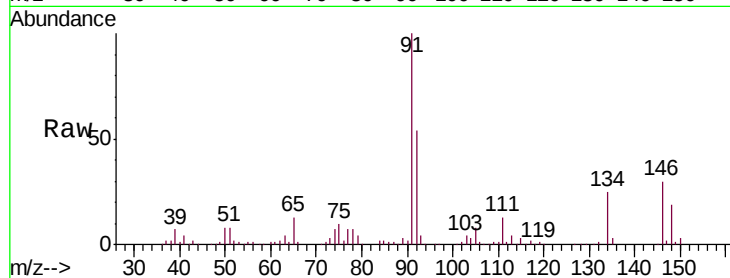
Tgt Ion: 91 Resp: 101311

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.3

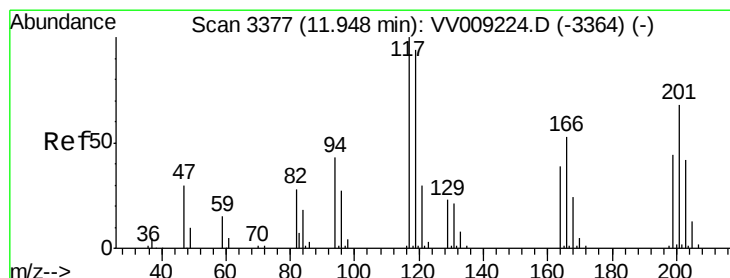
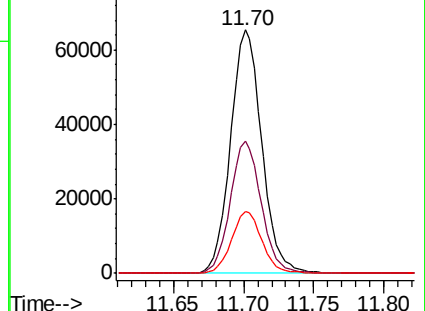
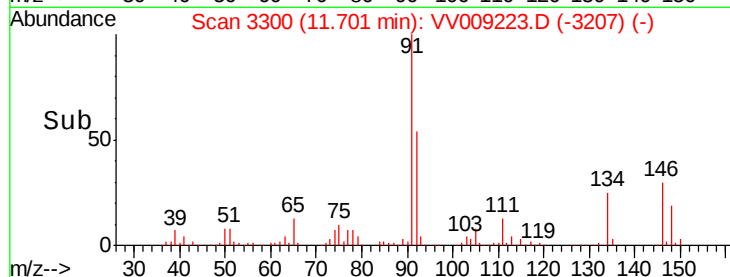
134 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009223.D (-3287) (-)

Ion 92.00 (91.70 to 92.70): VV009223.D (-3287) (-)

Ion 134.00 (133.70 to 134.70): VV009223.D (-3287) (-)



#90

Hexachloroethane

Concen: 20.152 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. 0.00 min

Lab File: VV009223.D

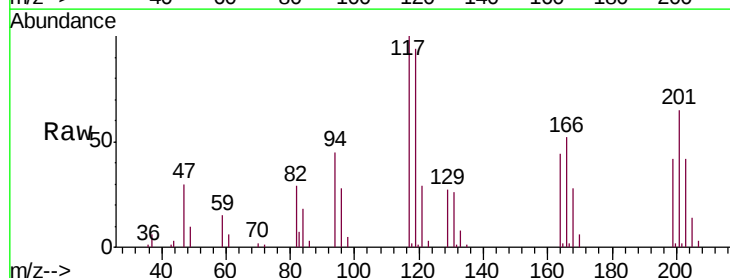
Acq: 18 Jan 2019 16:27

Tgt Ion: 117 Resp: 18806

Ion Ratio Lower Upper

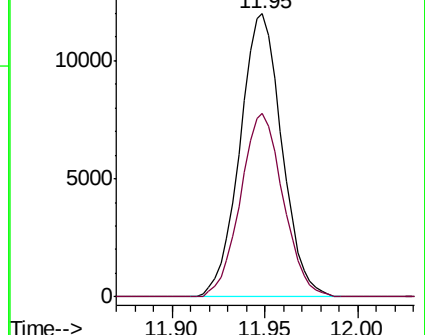
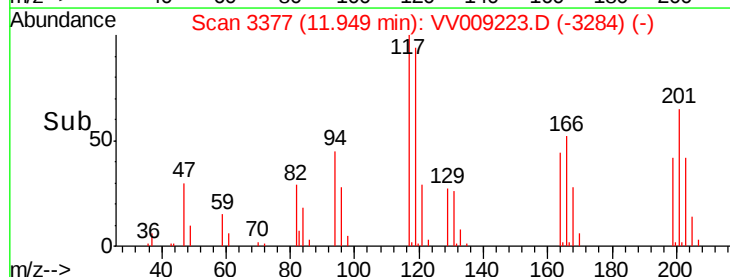
117 100

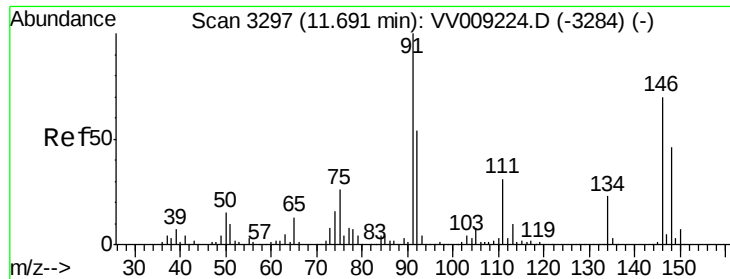
201 65.9 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VV009223.D (-3284) (-)

Ion 200.70 (200.40 to 201.40): VV009223.D (-3284) (-)

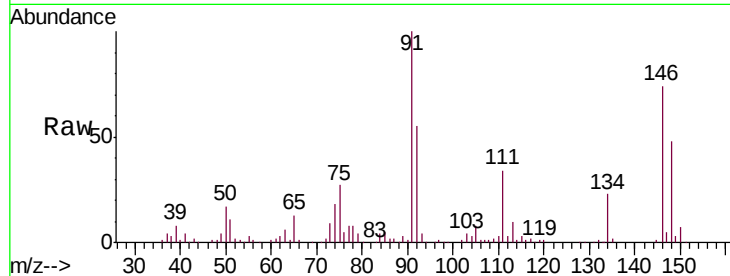




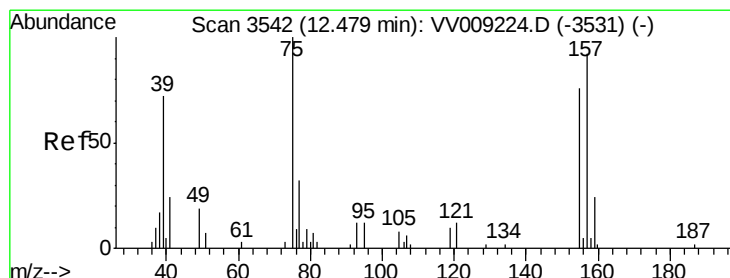
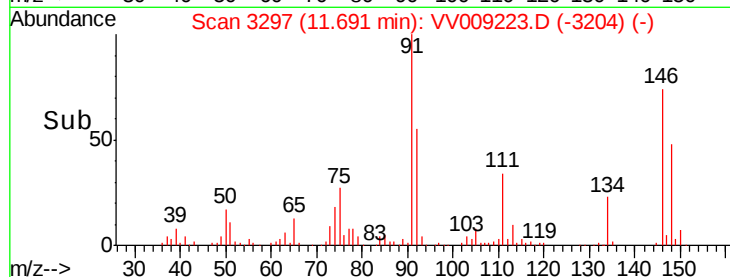
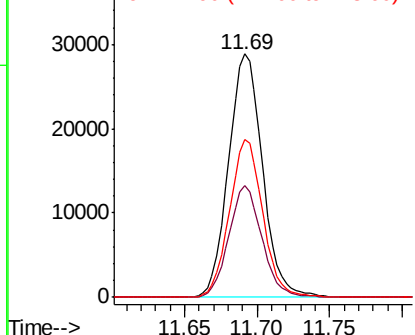
#91
 1,2-Dichlorobenzene
 Concen: 21.347 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 46858
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.9 65.7
 148 63.4 31.8 95.3

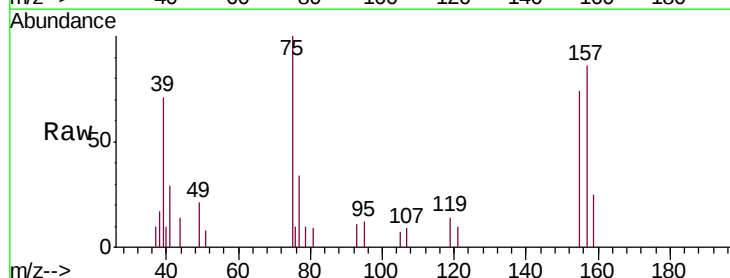


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

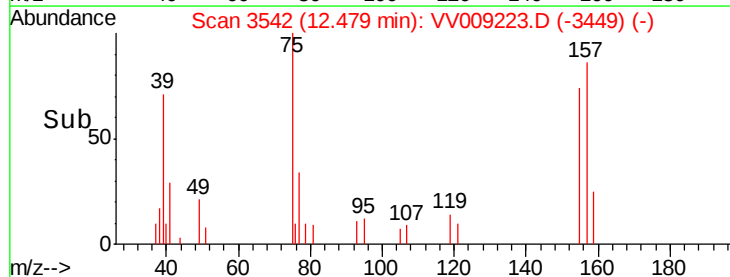
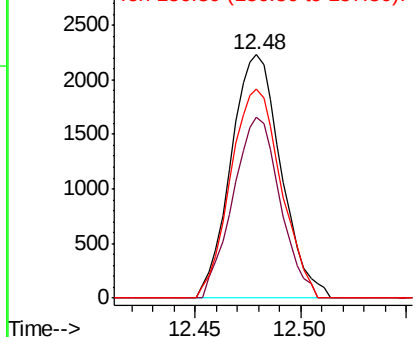


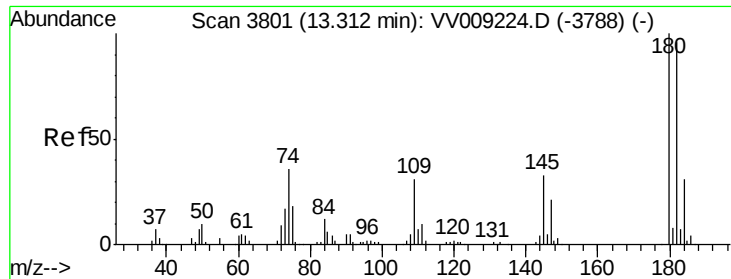
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.326 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion: 75 Resp: 3675
 Ion Ratio Lower Upper
 75 100
 155 69.9 36.4 109.1
 157 86.4 44.9 134.5



Abundance Ion 74.90 (74.60 to 75.60): VV0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

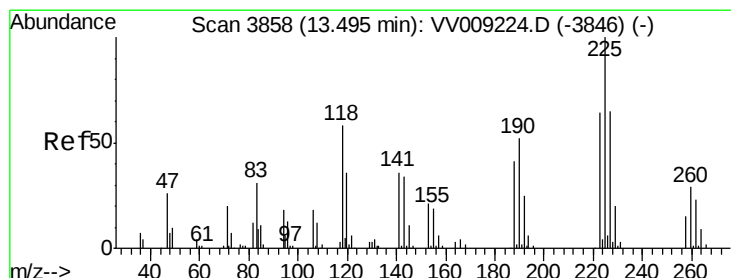
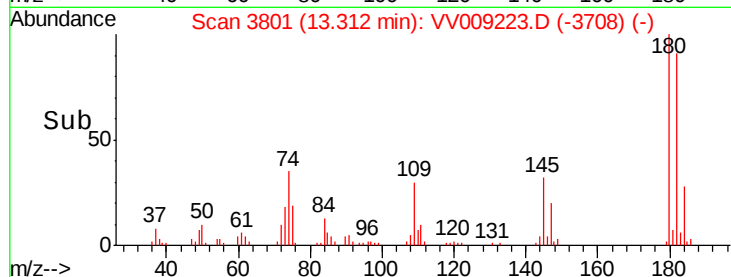
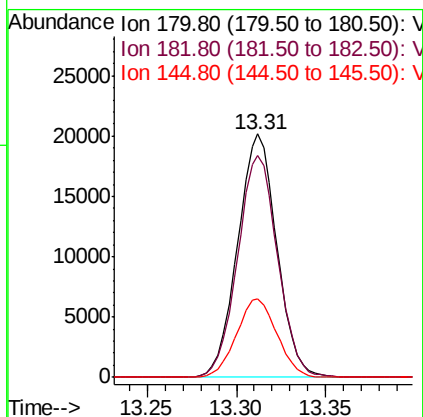
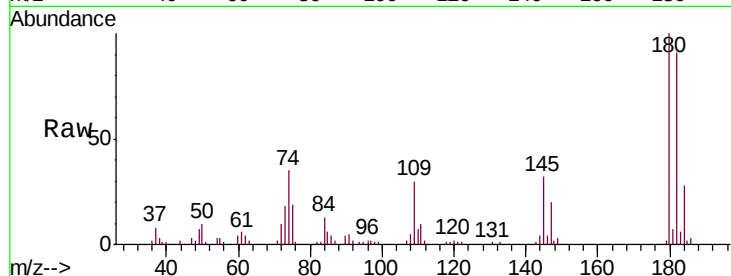




#93
 1,2,4-Trichlorobenzene
 Concen: 21.184 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

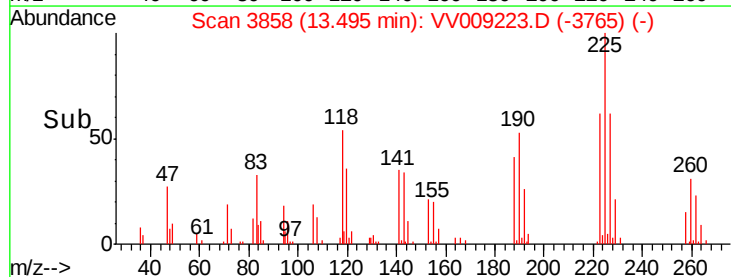
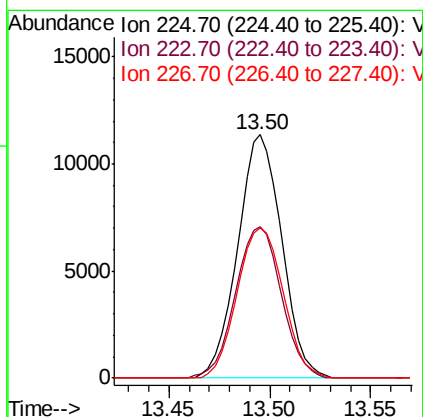
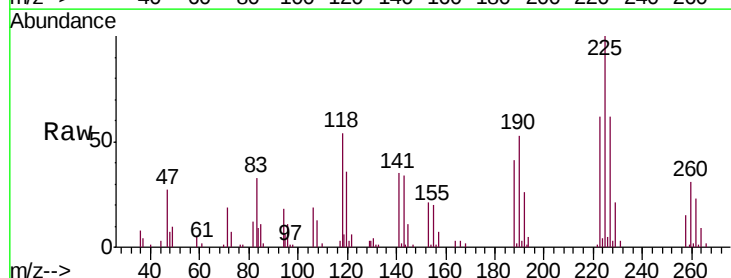
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

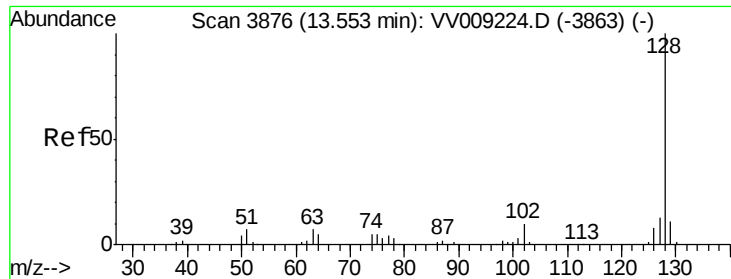
Tgt Ion:180 Resp: 30936
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.8 143.3
 145 33.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 20.807 ug/l
 RT: 13.50 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009223.D
 Acq: 18 Jan 2019 16:27

Tgt Ion:225 Resp: 17396
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.5 94.5
 227 64.7 32.1 96.3

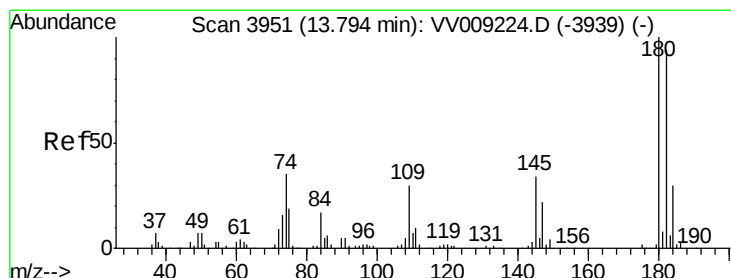
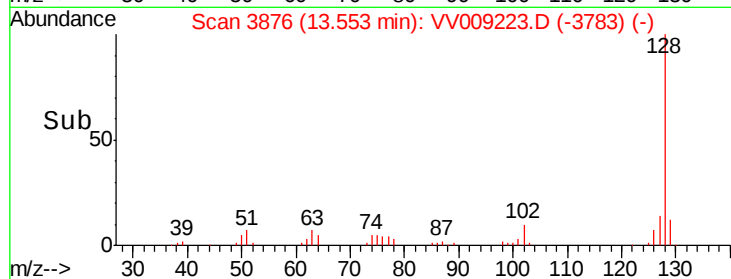
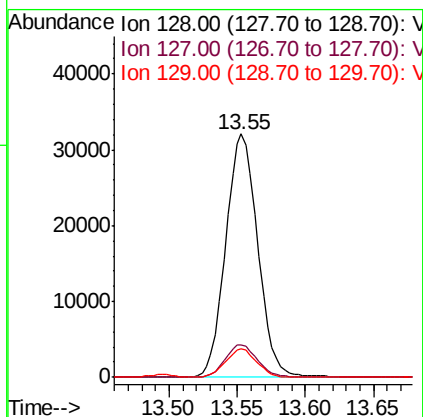
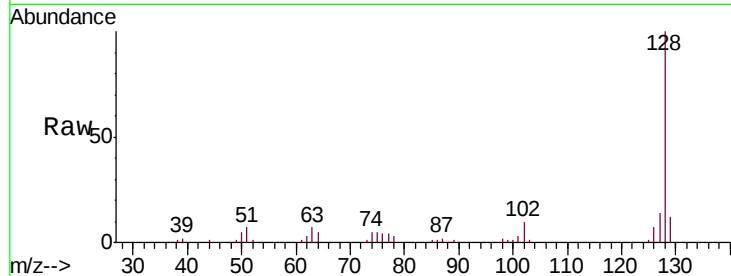




#95
Naphthalene
Concen: 19.895 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 52342
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.386 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009223.D
Acq: 18 Jan 2019 16:27

Tgt Ion:180 Resp: 26243
Ion Ratio Lower Upper
180 100
182 96.4 46.7 140.1
145 36.3 17.0 51.0

