

Data File : VV009232.D
Acq On : 22 Jan 2019 12:57
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Quant Time: Jan 23 00:42:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 23 00:37:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	89407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	149909	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	137629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	69260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	23562	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
35) Dibromofluoromethane	4.64	113	21155	21.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.56%	
50) Toluene-d8	7.36	98	83317	21.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.58%	
62) 4-Bromofluorobenzene	10.12	95	30851	21.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	15114	21.284	ug/l	95
3) Chloromethane	1.25	50	19694	19.020	ug/l	99
4) Vinyl Chloride	1.32	62	22723	22.446	ug/l	98
5) Bromomethane	1.52	94	13041	19.628	ug/l	98
6) Chloroethane	1.59	64	12743	19.985	ug/l	98
7) Trichlorofluoromethane	1.76	101	15764	25.451	ug/l	98
8) Diethyl Ether	1.96	74	10121	20.183	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	20009	21.706	ug/l	98
10) Methyl Iodide	2.25	142	32189	21.254	ug/l	99
11) Tert butyl alcohol	2.65	59	7323	82.706	ug/l	95
12) 1,1-Dichloroethene	2.13	96	19865	21.462	ug/l	97
13) Acrolein	2.06	56	6952	108.326	ug/l	97
14) Allyl chloride	2.42	41	33872	20.816	ug/l	97
15) Acrylonitrile	2.76	53	21389	98.629	ug/l	100
16) Acetone	2.17	43	30137	101.739	ug/l	99
17) Carbon Disulfide	2.31	76	59645	21.593	ug/l	100
18) Methyl Acetate	2.44	43	15167	19.716	ug/l	96
19) Methyl tert-butyl Ether	2.79	73	30166	20.807	ug/l	98
20) Methylene Chloride	2.52	84	22645	20.215	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	21287	21.269	ug/l	99
22) Diisopropyl ether	3.32	45	71715	19.795	ug/l	99
23) Vinyl Acetate	3.30	43	191019	95.523	ug/l	100
24) 1,1-Dichloroethane	3.22	63	44048	20.043	ug/l	97
25) 2-Butanone	4.01	43	33536	95.441	ug/l	98
26) 2,2-Dichloropropane	3.95	77	25438	21.895	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	25188	19.948	ug/l	99
28) Bromochloromethane	4.29	49	16757	19.859	ug/l	97
29) Tetrahydrofuran	4.38	42	18615	92.477	ug/l	97
30) Chloroform	4.42	83	44644	19.546	ug/l	98
31) Cyclohexane	4.72	56	39566	20.202	ug/l	95
32) 1,1,1-Trichloroethane	4.65	97	38385	21.063	ug/l	100
36) 1,1-Dichloropropene	4.87	75	33879	20.872	ug/l	98
37) Ethyl Acetate	4.12	43	13054	19.254	ug/l	98
38) Carbon Tetrachloride	4.87	117	34449	21.358	ug/l	97

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39) Methylcyclohexane	6.17	83	39902	21.363	ug/l	98
40) Benzene	5.14	78	96652	21.080	ug/l	100
41) Methacrylonitrile	4.31	41	7594	19.128	ug/l	98
42) 1,2-Dichloroethane	5.17	62	30159	19.715	ug/l	100
43) Isopropyl Acetate	5.32	43	25677	19.059	ug/l	99
44) Trichloroethene	5.96	130	25364	21.487	ug/l	97
45) 1,2-Dichloropropane	6.22	63	23267	20.823	ug/l	98
46) Dibromomethane	6.35	93	11571	19.005	ug/l	97
47) Bromodichloromethane	6.55	83	31365	19.748	ug/l	96
48) Methyl methacrylate	6.41	41	12482	18.279	ug/l	98
49) 1,4-Dioxane	6.41	88	2976	376.751	ug/l	92
51) 4-Methyl-2-Pentanone	7.27	43	64046	95.033	ug/l	100
52) Toluene	7.43	92	61623	21.413	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	30215	19.554	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	34825	19.891	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	16495	19.996	ug/l	96
56) Ethyl methacrylate	7.83	69	18329	18.342	ug/l	96
57) 1,3-Dichloropropane	8.05	76	29488	19.392	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	863	44.876	ug/l	91
59) 2-Hexanone	8.18	43	46012	92.111	ug/l	99
60) Dibromochloromethane	8.29	129	18798	19.138	ug/l	99
61) 1,2-Dibromoethane	8.40	107	15931	19.488	ug/l	99
64) Tetrachloroethene	8.02	164	20455	21.836	ug/l	98
65) Chlorobenzene	8.92	112	65404	20.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	22023	20.391	ug/l	97
67) Ethyl Benzene	9.05	91	117200	20.991	ug/l	98
68) m/p-Xylenes	9.18	106	90445	43.173	ug/l	98
69) o-Xylene	9.59	106	40877	20.944	ug/l	97
70) Styrene	9.60	104	65113	20.462	ug/l	99
71) Bromoform	9.77	173	10321	19.561	ug/l #	100
73) Isopropylbenzene	9.97	105	117922	21.501	ug/l	99
74) N-amyl acetate	9.84	43	19756	17.052	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	19432	19.784	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	20180	26.405	ug/l	82
77) Bromobenzene	10.26	156	24596	20.198	ug/l	99
78) n-propylbenzene	10.40	91	139541	21.471	ug/l	100
79) 2-Chlorotoluene	10.47	91	85978	21.444	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	99907	21.495	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	5167	18.747	ug/l	96
82) 4-Chlorotoluene	10.58	91	99520	20.840	ug/l	99
83) tert-Butylbenzene	10.91	119	94033	21.278	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	101415	21.172	ug/l	98
85) sec-Butylbenzene	11.13	105	122448	21.556	ug/l	99
86) p-Isopropyltoluene	11.29	119	106840	21.214	ug/l	99
87) 1,3-Dichlorobenzene	11.22	146	51822	20.829	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	52614	20.838	ug/l	98
89) n-Butylbenzene	11.70	91	103177	20.800	ug/l	100
90) Hexachloroethane	11.95	117	18451	20.312	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	44862	20.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3138	18.443	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012219\
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	27804	18.324	ug/l	98
94) Hexachlorobutadiene	13.49	225	18386	21.460	ug/l	98
95) Naphthalene	13.55	128	45559	17.110	ug/l	98
96) 1,2,3-Trichlorobenzene	13.79	180	23734	18.427	ug/l	99

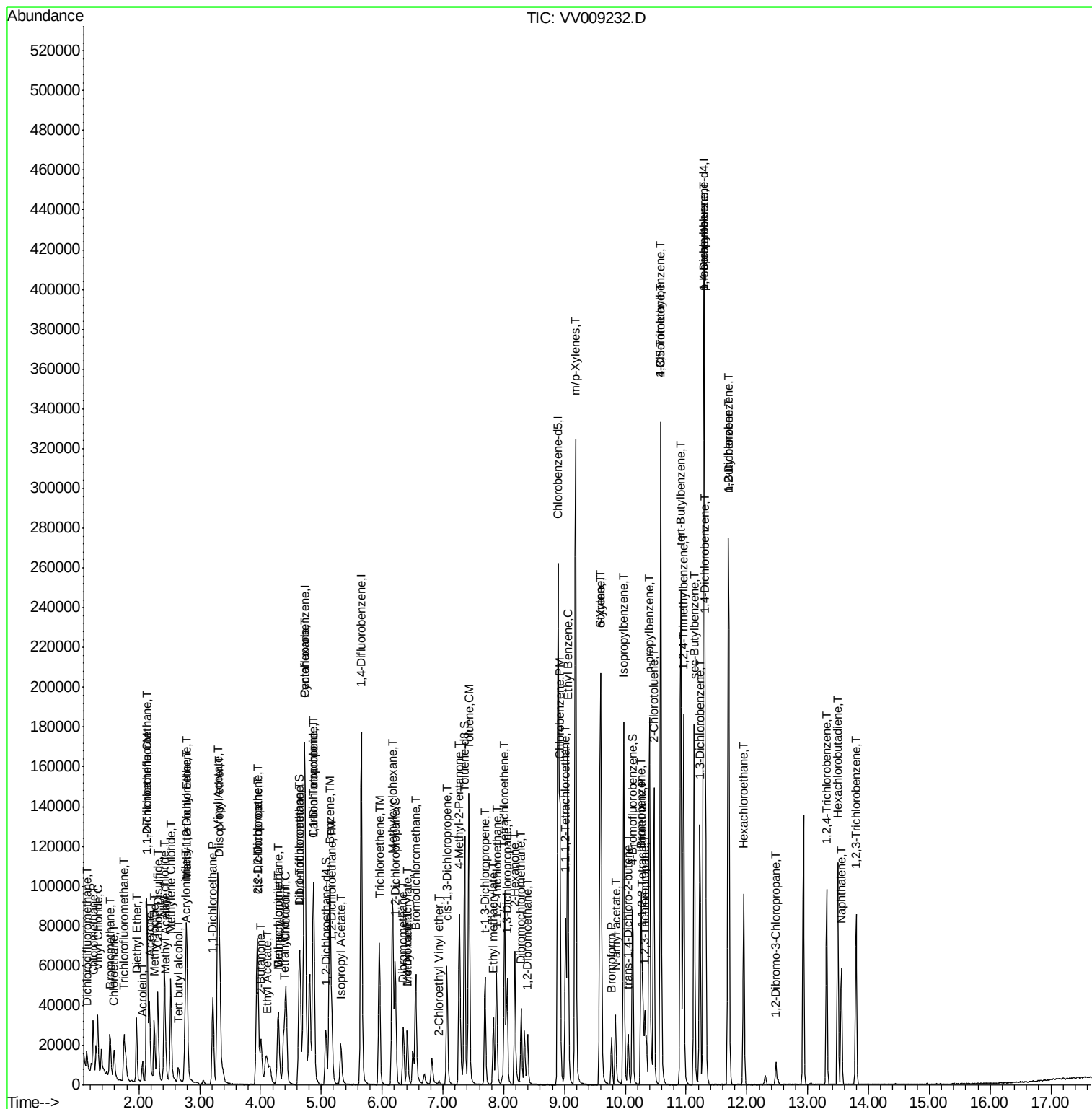
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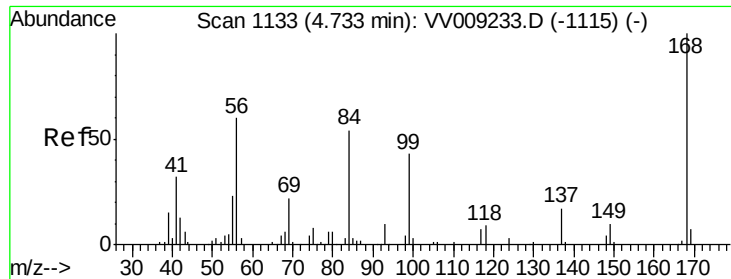
Data File : VV009232.D

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Acq On       : 22 Jan 2019   12:57
Operator    : SY/MD
Sample      : VSTDICC020
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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: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

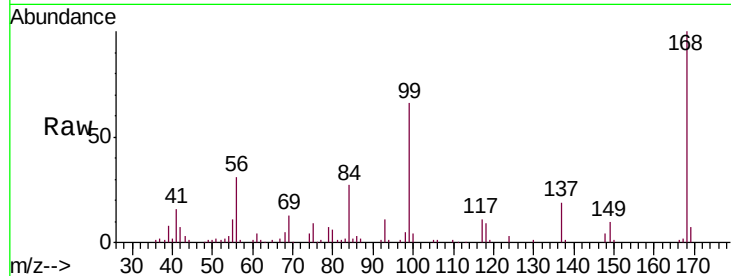
VSTDIC020

Tgt Ion:168 Resp: 89407

Ion Ratio Lower Upper

168 100

99 65.4 50.9 76.3

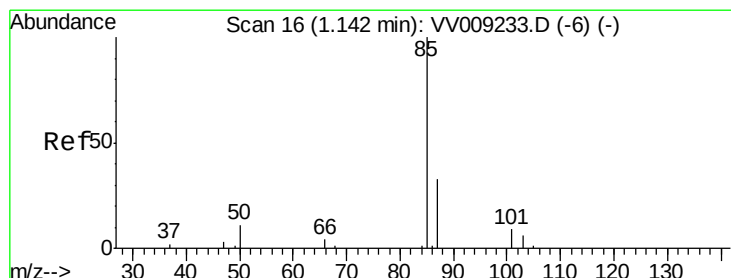
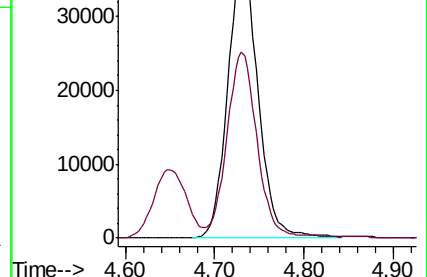
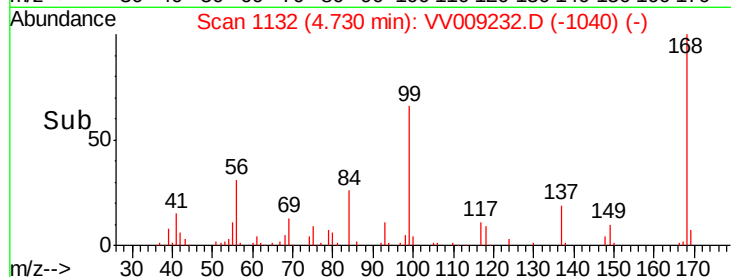


Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

4.60 4.70 4.80 4.90



#2

Dichlorodifluoromethane

Concen: 21.284 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009232.D

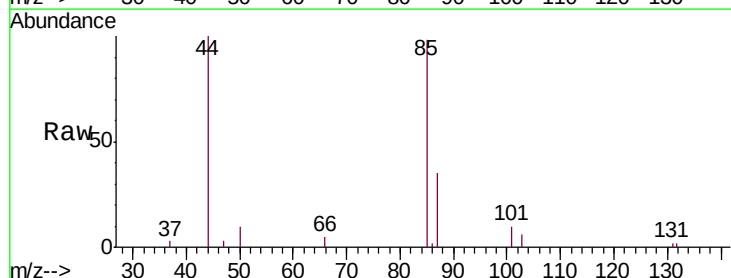
Acq: 22 Jan 2019 12:57

Tgt Ion: 85 Resp: 15114

Ion Ratio Lower Upper

85 100

87 35.8 16.6 49.7

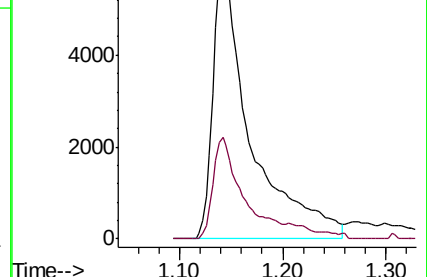
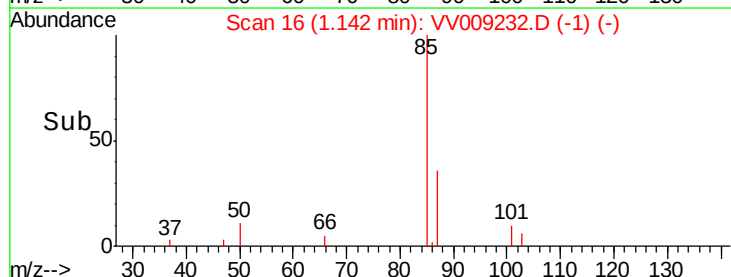


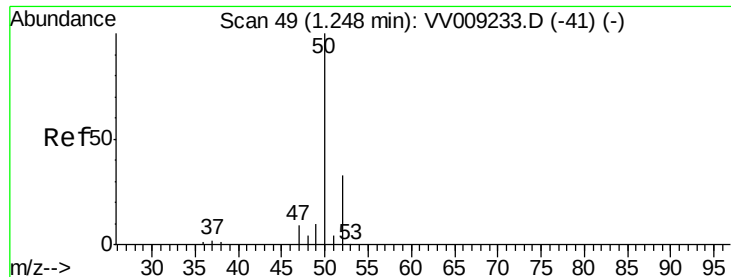
Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

1.10 1.20 1.30





#3

Chloromethane

Concen: 19.020 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

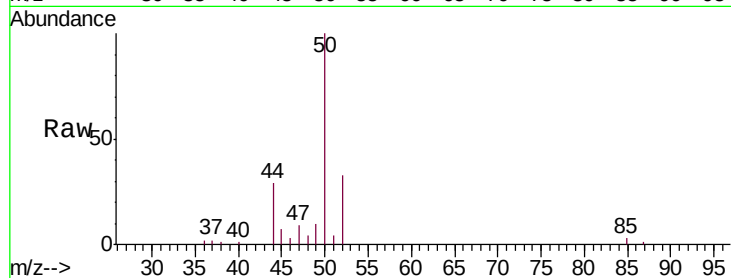
VSTDIC020

Tgt Ion: 50 Resp: 19694

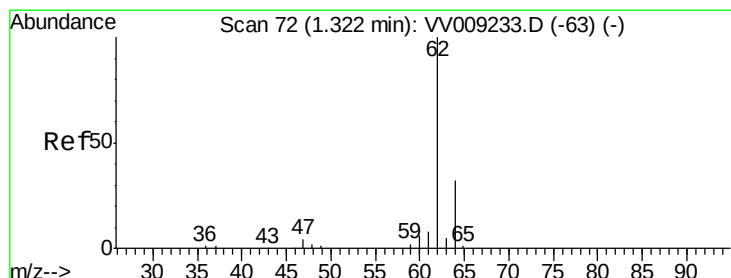
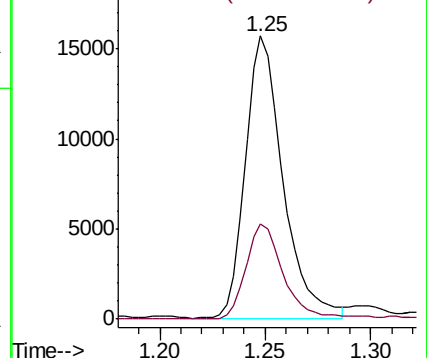
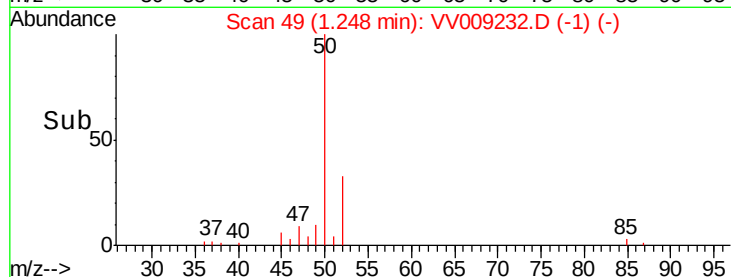
Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VV009232.D (-1) (-)



#4

Vinyl Chloride

Concen: 22.446 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009232.D

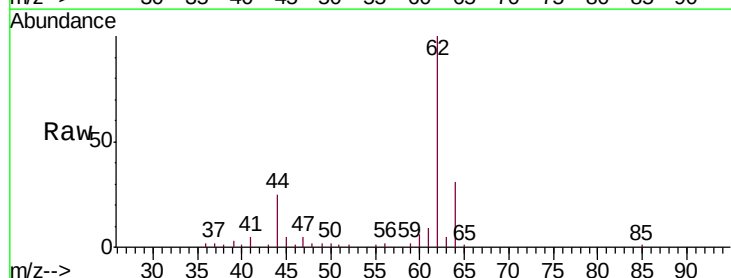
Acq: 22 Jan 2019 12:57

Tgt Ion: 62 Resp: 22723

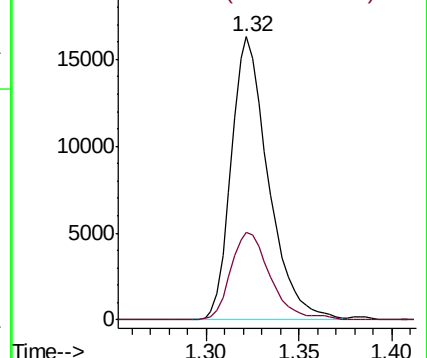
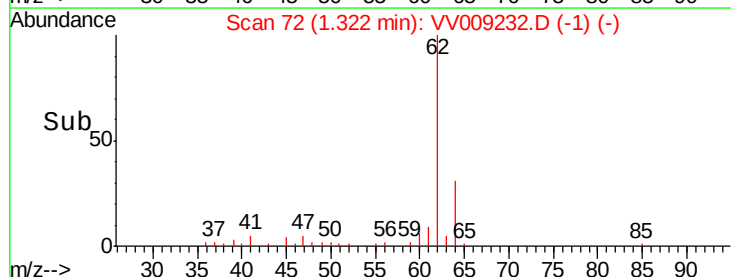
Ion Ratio Lower Upper

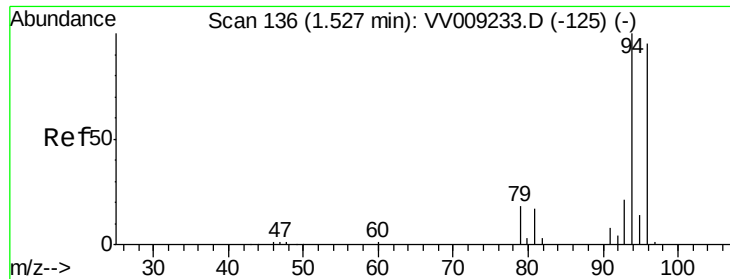
62 100

64 30.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV009232.D (-1) (-)





#5

Bromomethane

Concen: 19.628 ug/l

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

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ClientSampleId :

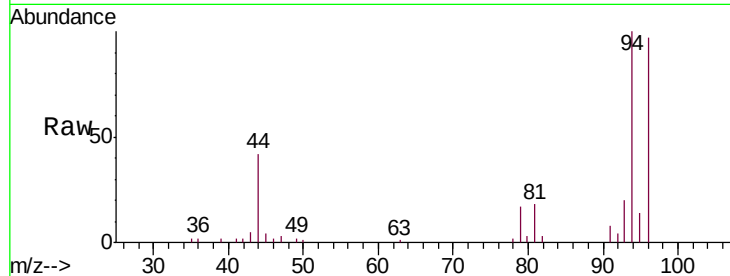
VSTDIC020

Tgt Ion: 94 Resp: 13041

Ion Ratio Lower Upper

94 100

96 97.3 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VV009233.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VV009233.D (-125) (-)

1.52

8000

6000

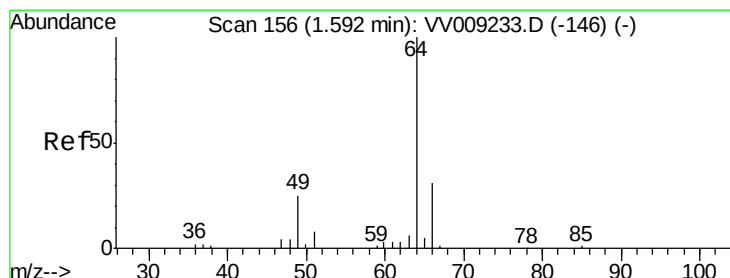
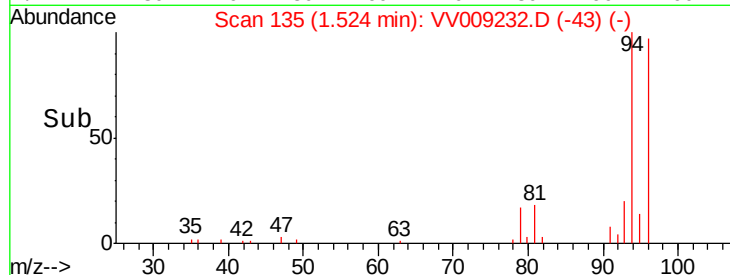
4000

2000

0

Time-->

1.45 1.50 1.55 1.60



#6

Chloroethane

Concen: 19.985 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009232.D

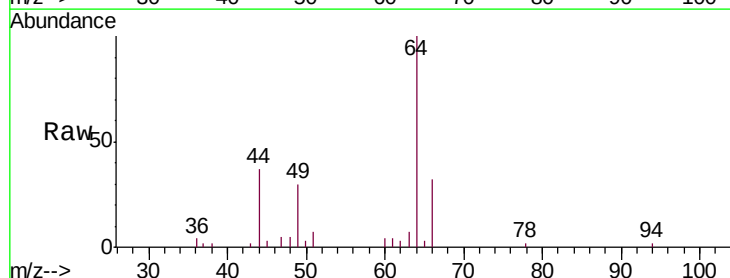
Acq: 22 Jan 2019 12:57

Tgt Ion: 64 Resp: 12743

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV009233.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009233.D (-146) (-)

1.59

8000

6000

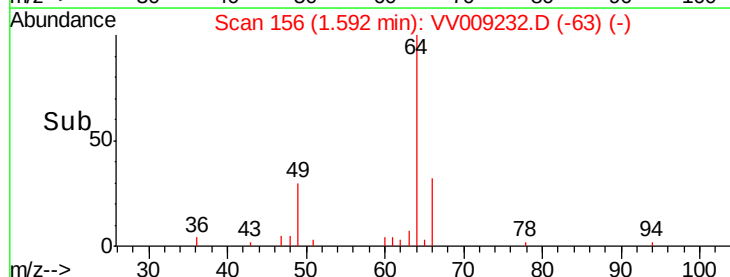
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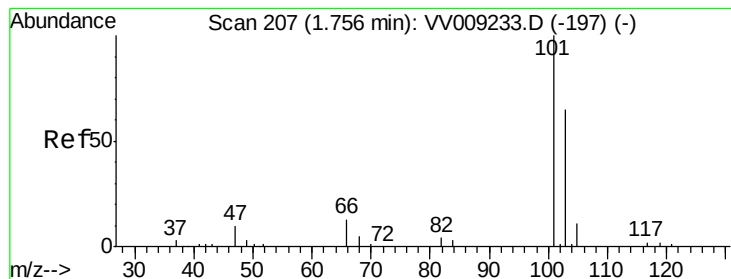
2000

0

Time-->

1.55 1.60 1.65 1.70



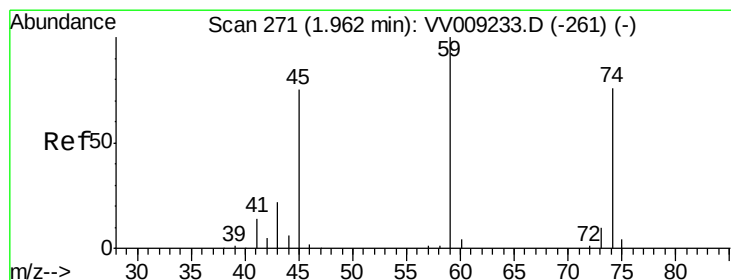
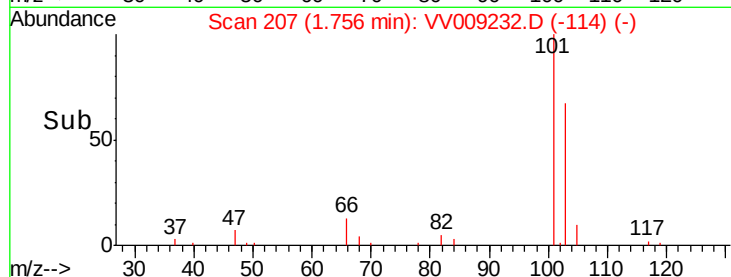
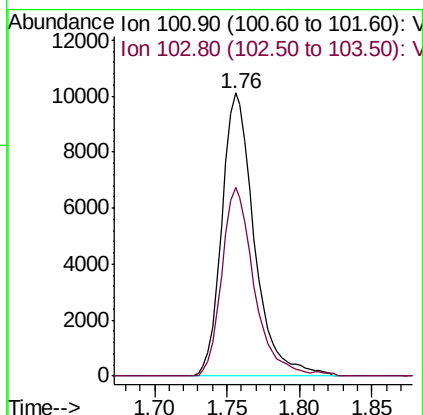
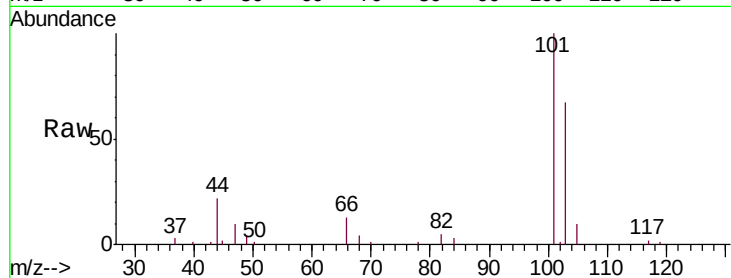


#7

Trichlorofluoromethane
 Concen: 25.451 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009232.D
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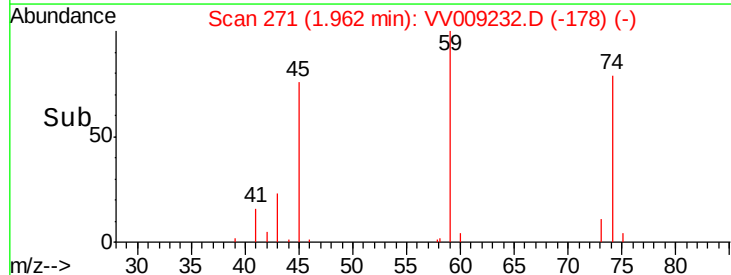
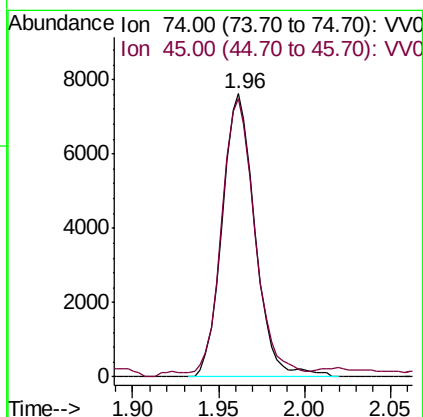
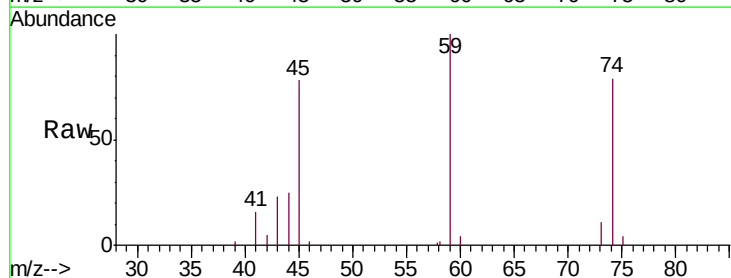
Tgt Ion:101 Resp: 15764
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.2 78.4

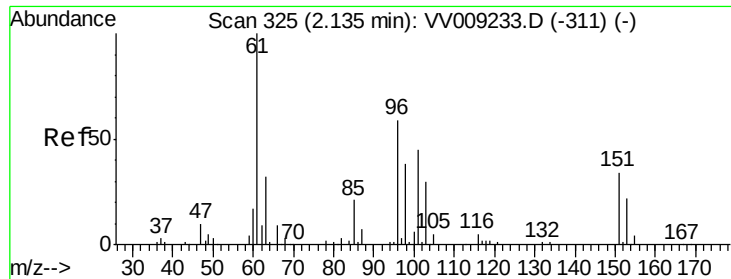


#8

Diethyl Ether
 Concen: 20.183 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 74 Resp: 10121
 Ion Ratio Lower Upper
 74 100
 45 96.5 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.706 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

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MSVOA_V

ClientSampleId :

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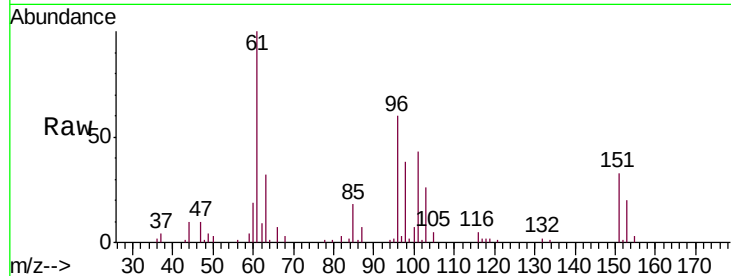
Tgt Ion:101 Resp: 20009

Ion Ratio Lower Upper

101 100

85 42.2 35.3 52.9

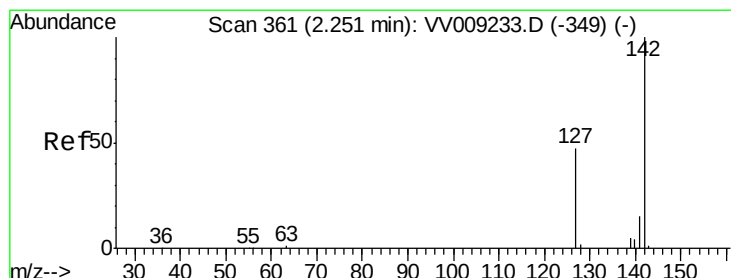
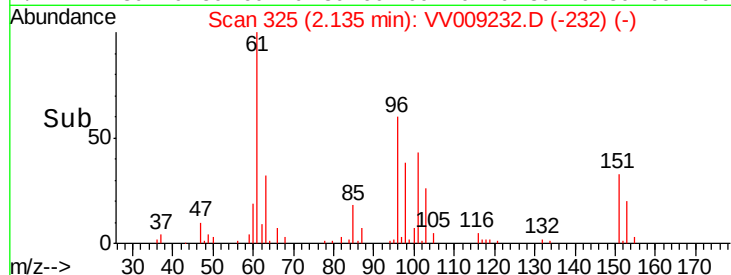
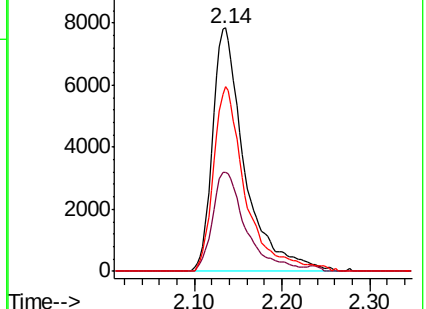
151 75.8 60.1 90.1



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: 21.254 ug/l

RT: 2.25 min Scan# 361

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

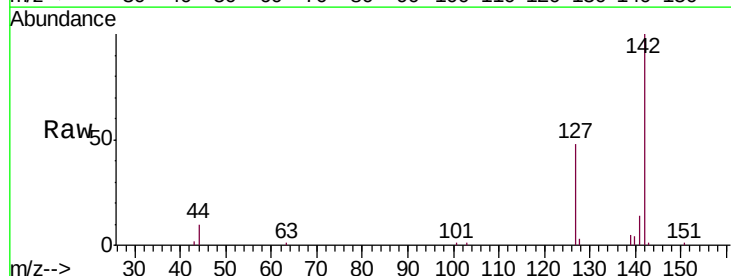
Tgt Ion:142 Resp: 32189

Ion Ratio Lower Upper

142 100

127 47.5 37.9 56.9

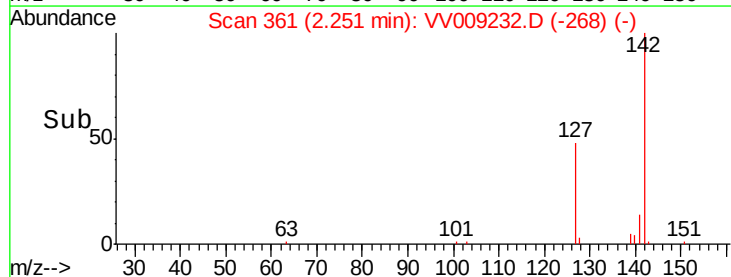
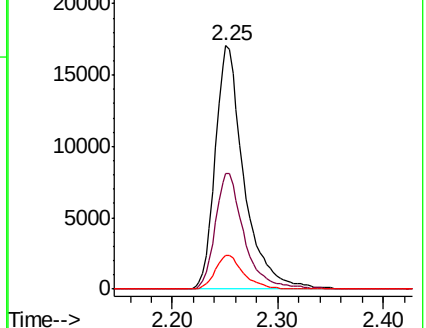
141 13.7 11.7 17.5

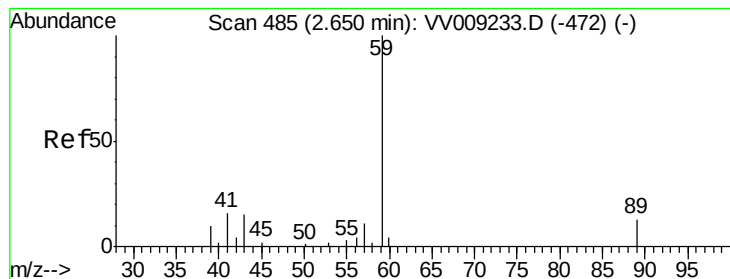


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



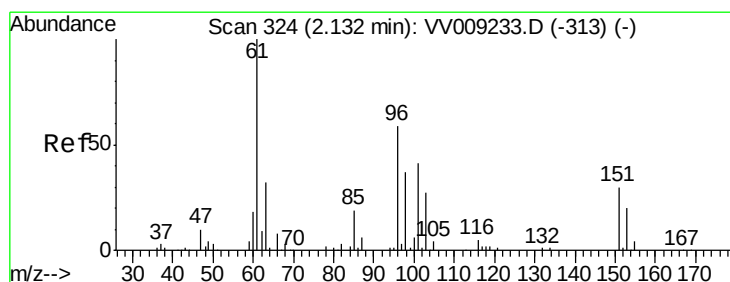
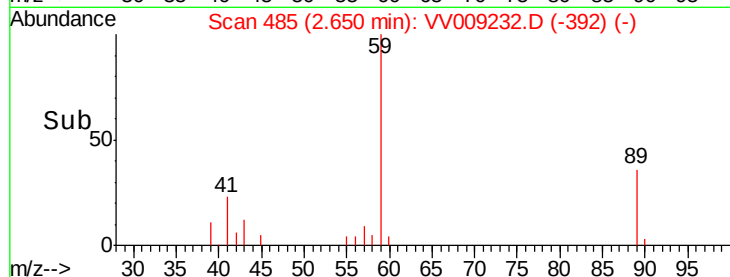
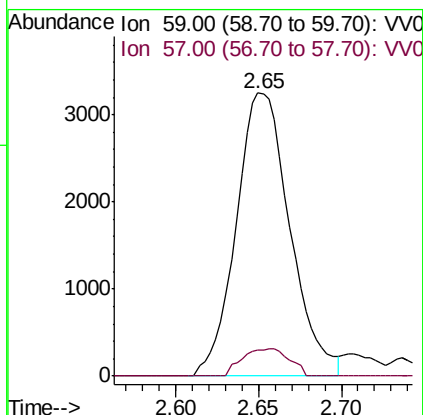
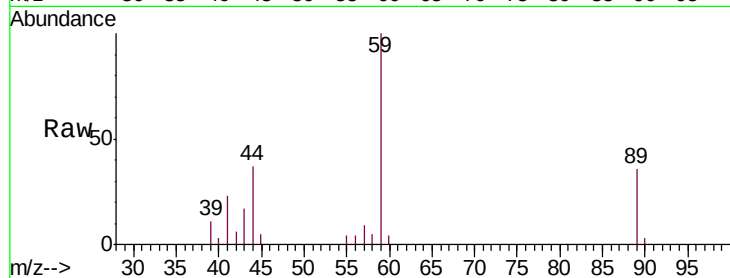


#11

Tert butyl alcohol
 Concen: 82.706 ug/l
 RT: 2.65 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

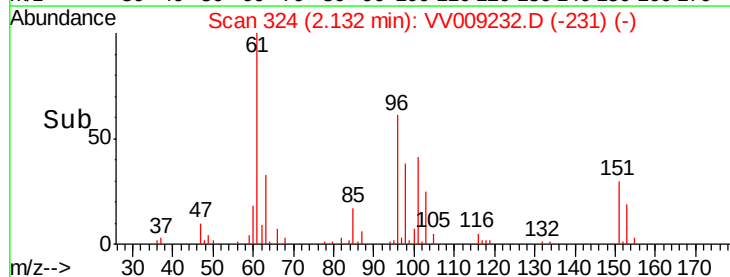
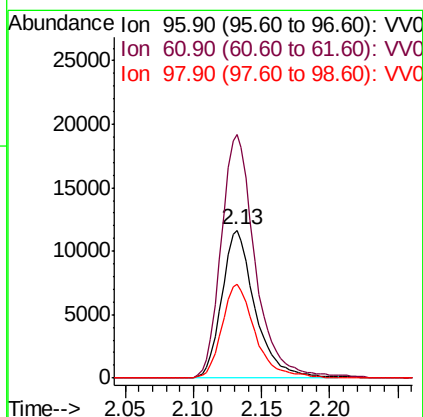
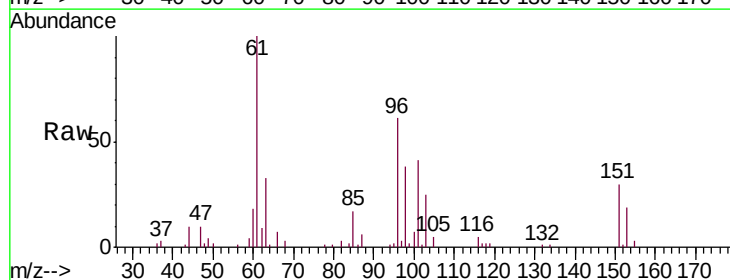
Tgt Ion: 59 Resp: 7323
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.4 12.6

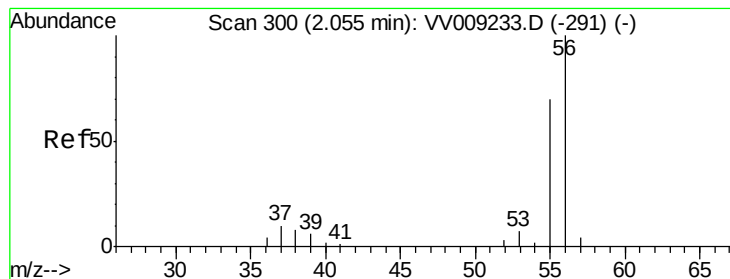


#12

1,1-Dichloroethene
 Concen: 21.462 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 96 Resp: 19865
 Ion Ratio Lower Upper
 96 100
 61 164.7 136.6 205.0
 98 63.3 50.6 75.8





#13

Acrolein

Concen: 108.326 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

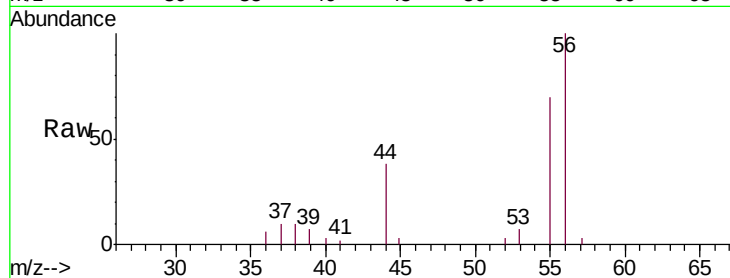
VSTDIC020

Tgt Ion: 56 Resp: 6952

Ion Ratio Lower Upper

56 100

55 70.2 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VV009233.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009233.D (-291) (-)

2.06

4000

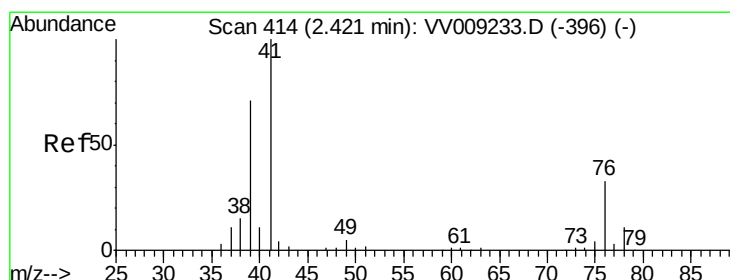
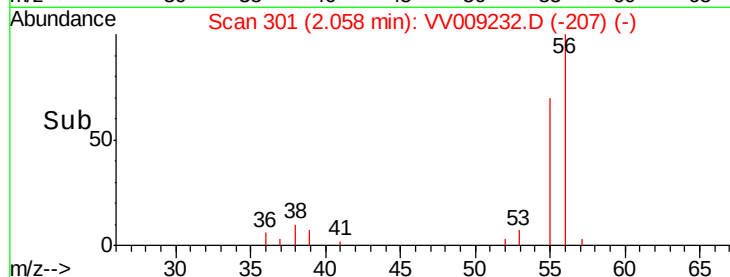
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 20.816 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

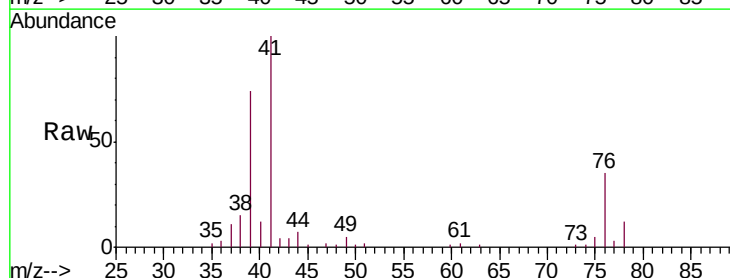
Tgt Ion: 41 Resp: 33872

Ion Ratio Lower Upper

41 100

39 72.0 55.1 82.7

76 33.6 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VV009233.D (-396) (-)

Ion 39.00 (38.70 to 39.70): VV009233.D (-396) (-)

Ion 75.90 (75.60 to 76.60): VV009233.D (-396) (-)

2.42

40000

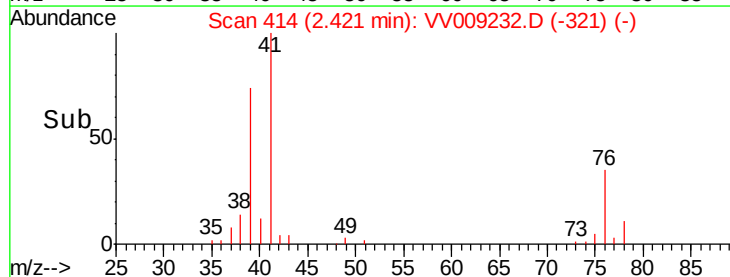
30000

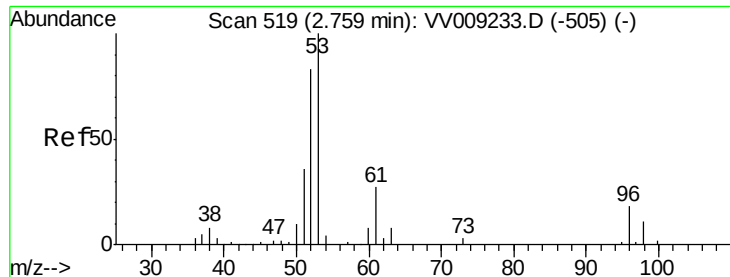
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 98.629 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

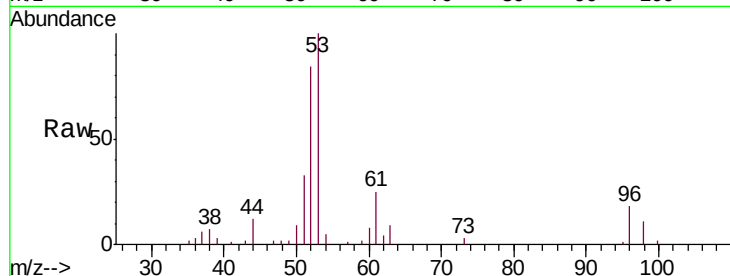
Tgt Ion: 53 Resp: 21389

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

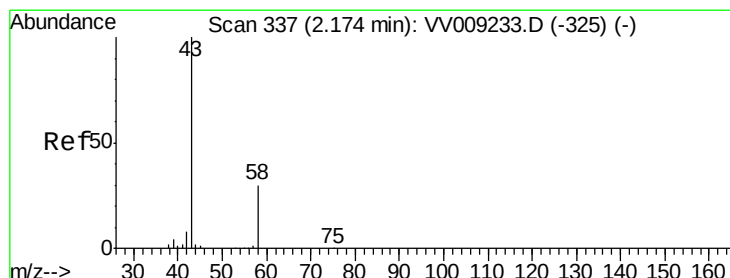
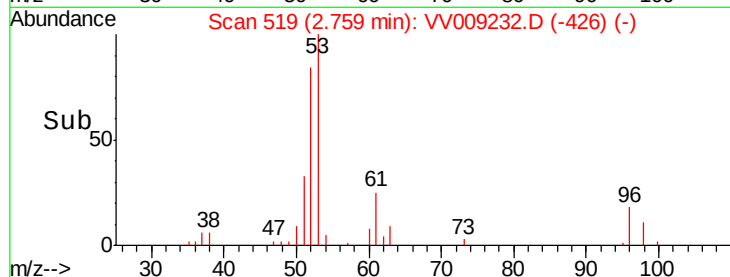
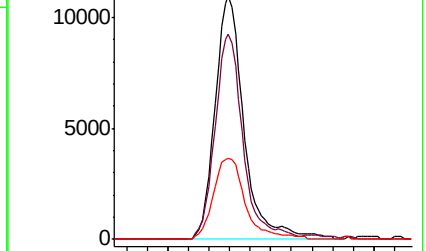
51 36.9 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VV009232.D (-244) (-)

Ion 52.00 (51.70 to 52.70): VV009232.D (-244) (-)

Ion 51.00 (50.70 to 51.70): VV009232.D (-244) (-)



#16

Acetone

Concen: 101.739 ug/l

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV009232.D

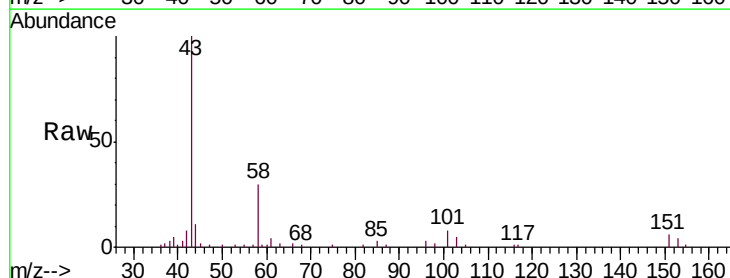
Acq: 22 Jan 2019 12:57

Tgt Ion: 43 Resp: 30137

Ion Ratio Lower Upper

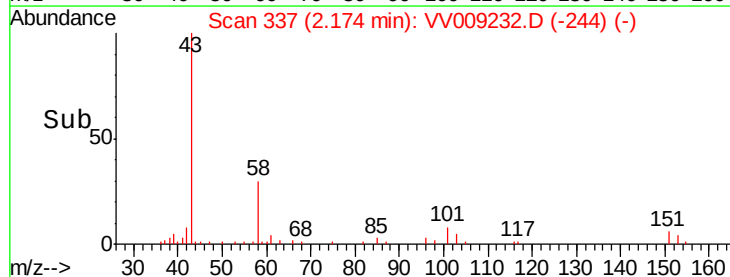
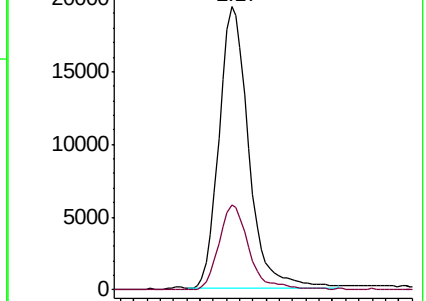
43 100

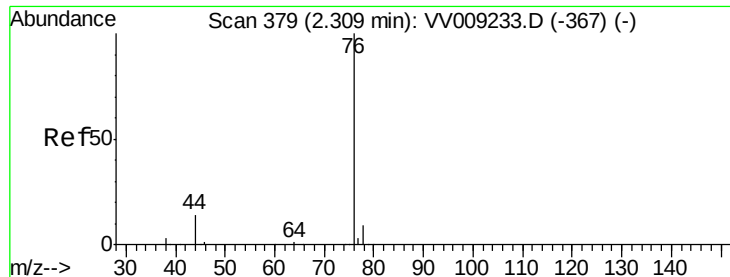
58 30.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV009232.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV009232.D (-244) (-)





#17

Carbon Disulfide

Concen: 21.593 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

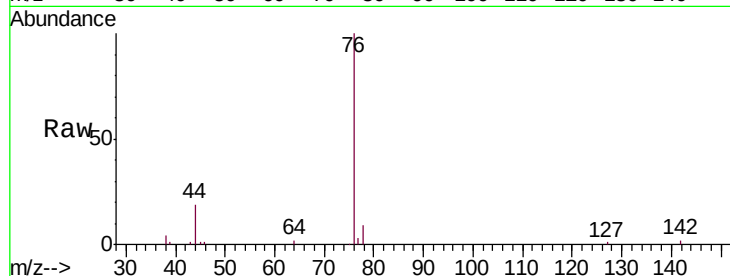
VSTDIC020

Tgt Ion: 76 Resp: 59645

Ion Ratio Lower Upper

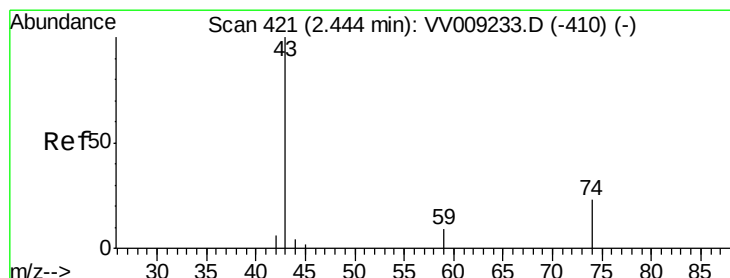
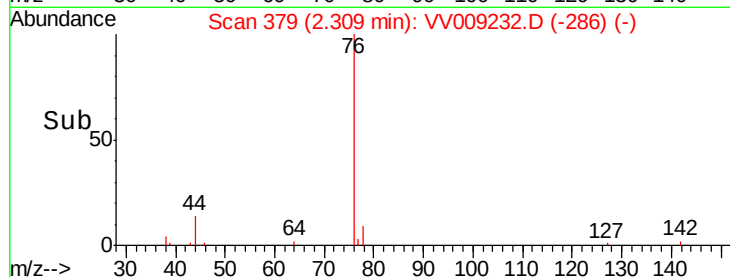
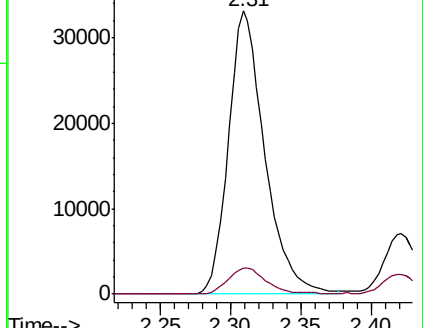
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VV009233.D (-367) (-)

Ion 77.90 (77.60 to 78.60): VV009233.D (-367) (-)



#18

Methyl Acetate

Concen: 19.716 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009232.D

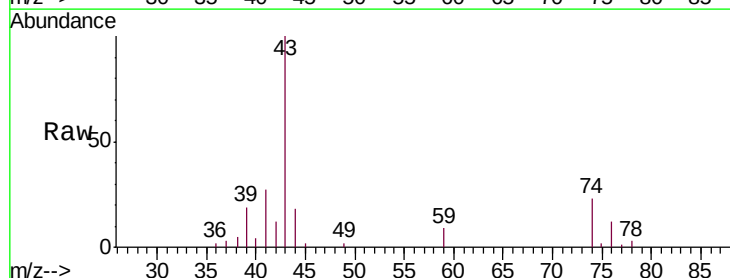
Acq: 22 Jan 2019 12:57

Tgt Ion: 43 Resp: 15167

Ion Ratio Lower Upper

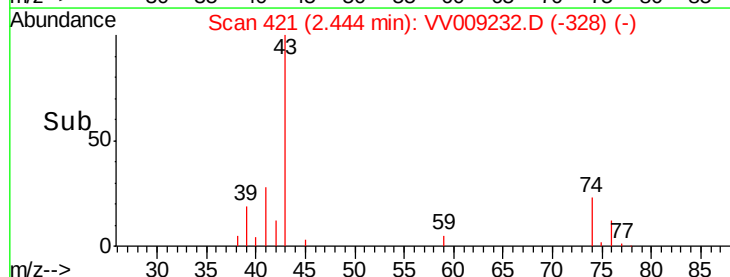
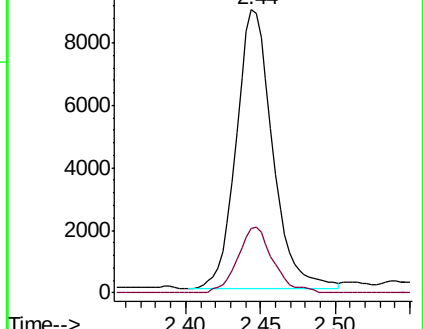
43 100

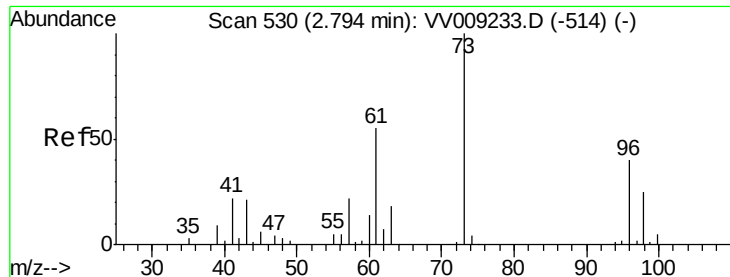
74 22.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-410) (-)

Ion 74.00 (73.70 to 74.70): VV009233.D (-410) (-)

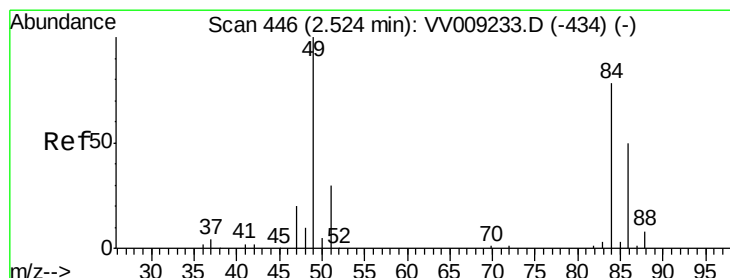
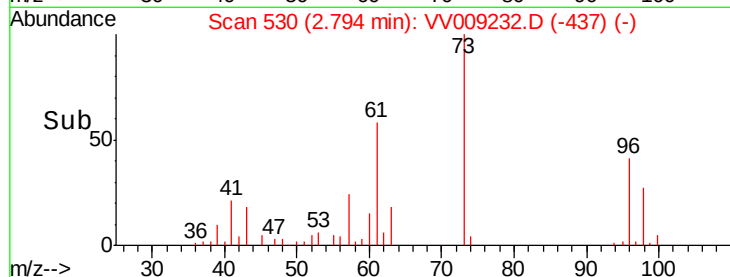
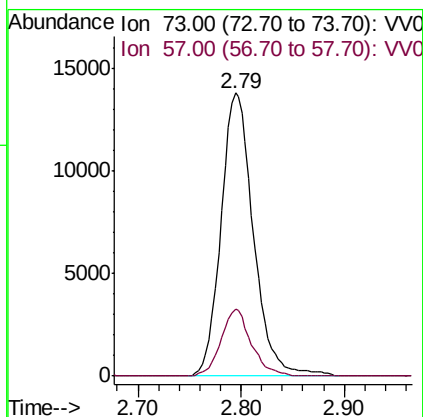
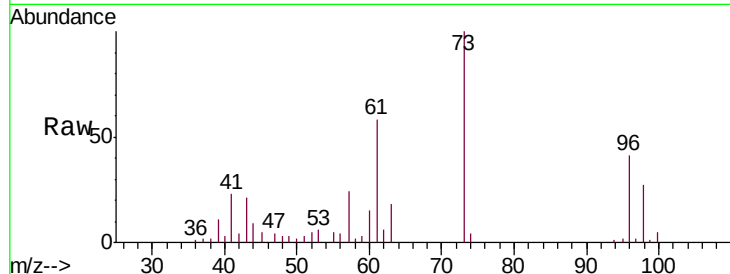




#19
Methyl tert-butyl Ether
Concen: 20.807 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

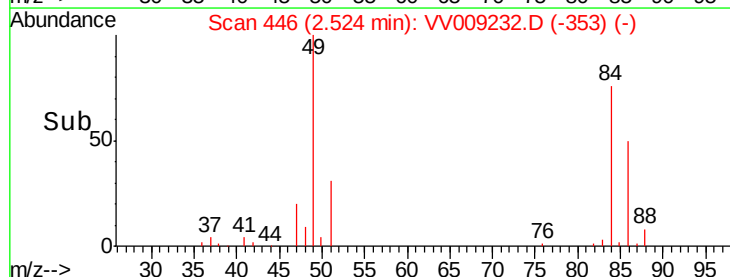
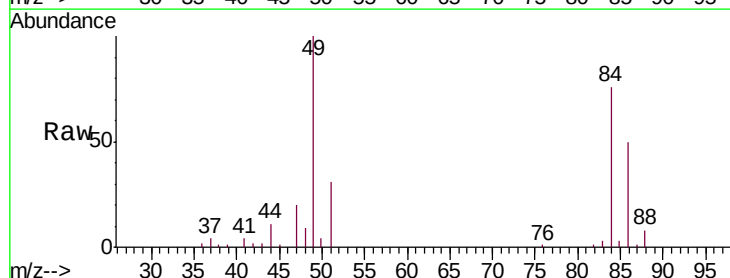
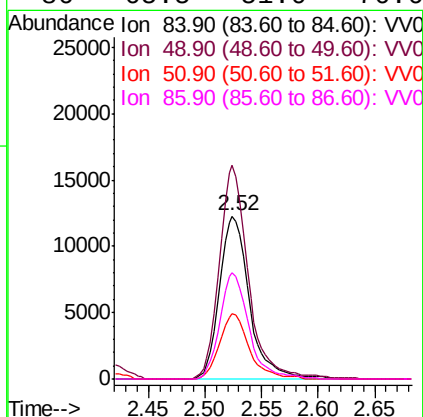
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

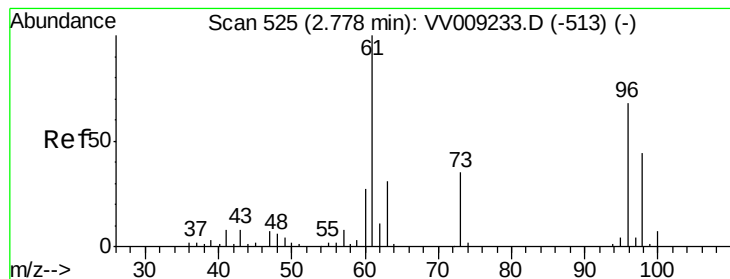
Tgt Ion: 73 Resp: 30166
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 20.215 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 84 Resp: 22645
Ion Ratio Lower Upper
84 100
49 131.2 102.0 153.0
51 40.3 30.9 46.3
86 65.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.269 ug/l

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

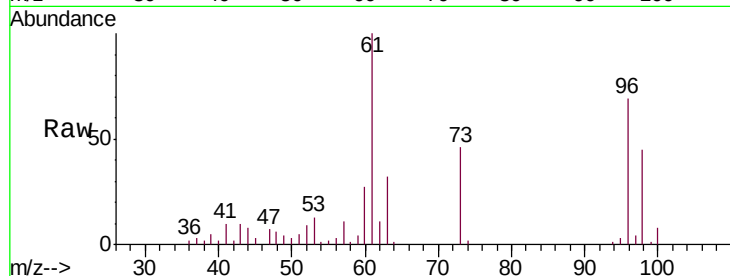
Tgt Ion: 96 Resp: 21287

Ion Ratio Lower Upper

96 100

61 145.8 117.7 176.5

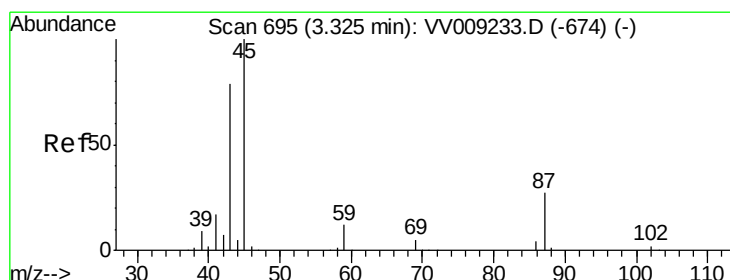
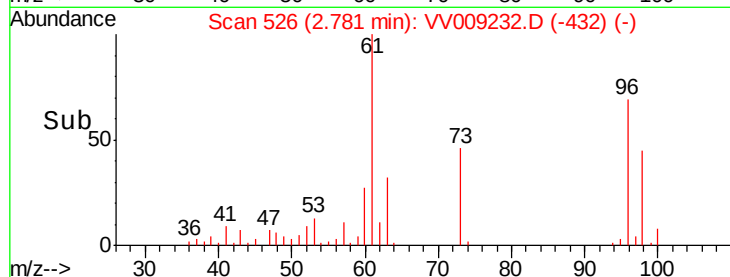
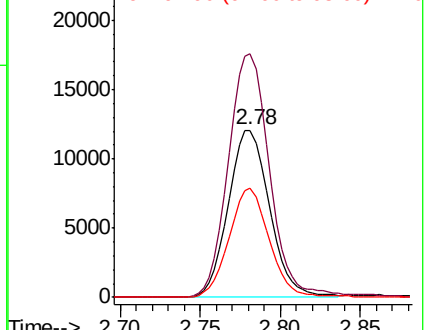
98 65.2 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VV009232.D (-513) (-)

Ion 60.90 (60.60 to 61.60): VV009232.D (-513) (-)

Ion 97.90 (97.60 to 98.60): VV009232.D (-513) (-)



#22

Diisopropyl ether

Concen: 19.795 ug/l

RT: 3.32 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Tgt Ion: 45 Resp: 71715

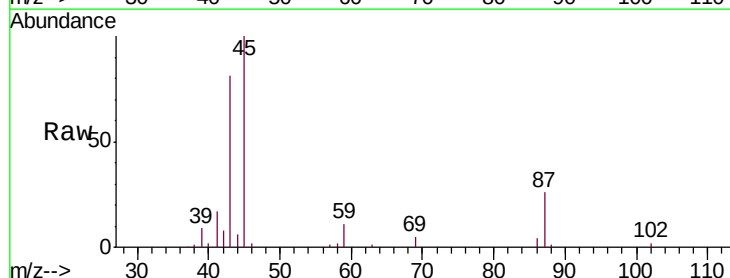
Ion Ratio Lower Upper

45 100

43 78.3 63.0 94.4

87 26.1 21.5 32.3

59 11.0 9.3 13.9

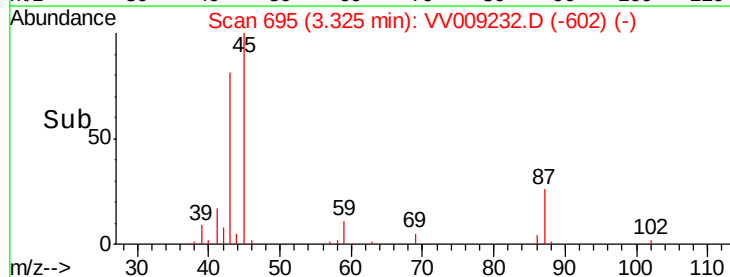
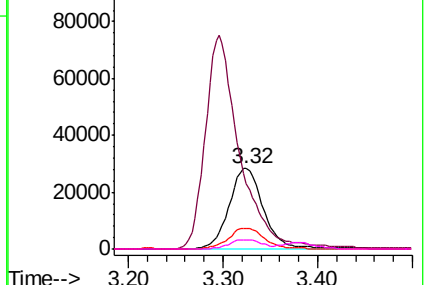


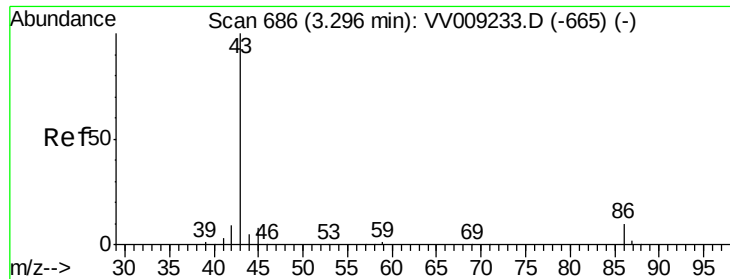
Abundance Ion 45.00 (44.70 to 45.70): VV009232.D (-674) (-)

Ion 43.00 (42.70 to 43.70): VV009232.D (-674) (-)

Ion 87.00 (86.70 to 87.70): VV009232.D (-674) (-)

Ion 59.00 (58.70 to 59.70): VV009232.D (-674) (-)





#23

Vinyl Acetate

Concen: 95.523 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

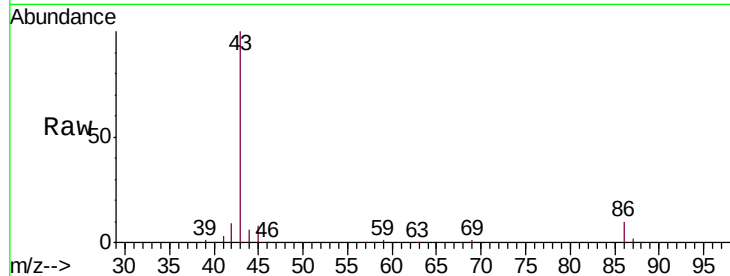
VSTDIC020

Tgt Ion: 43 Resp: 191019

Ion Ratio Lower Upper

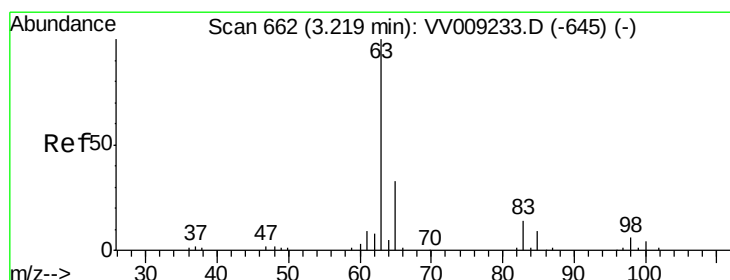
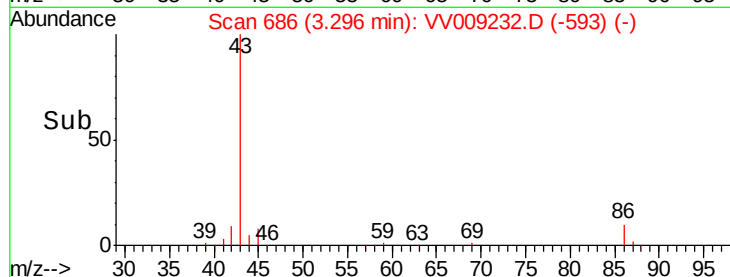
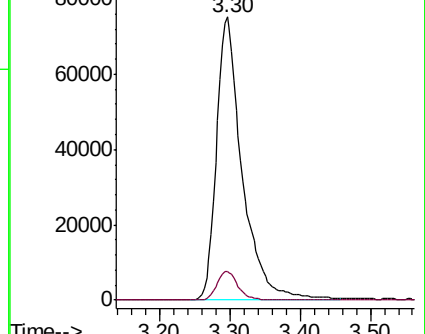
43 100

86 10.2 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VV009232.D (-665) (-)

Ion 86.00 (85.70 to 86.70): VV009232.D (-665) (-)



#24

1,1-Dichloroethane

Concen: 20.043 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

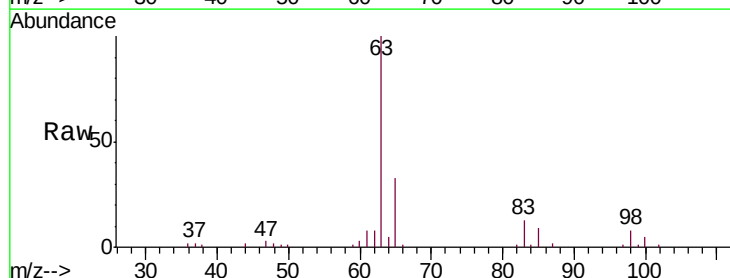
Tgt Ion: 63 Resp: 44048

Ion Ratio Lower Upper

63 100

98 7.7 3.3 9.8

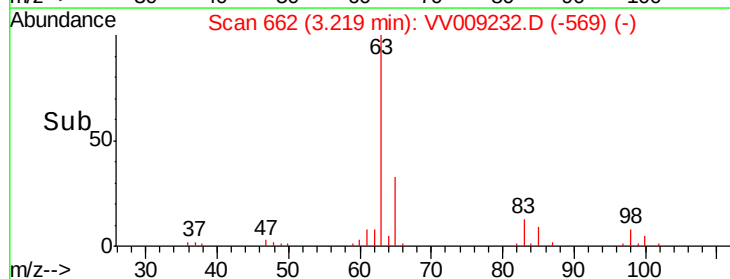
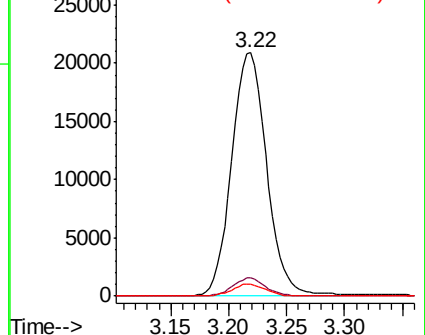
100 4.8 2.2 6.6

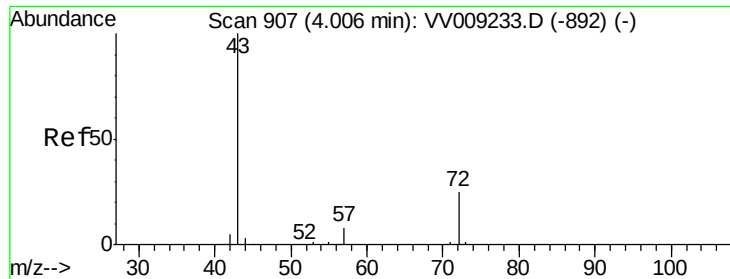


Abundance Ion 62.90 (62.60 to 63.60): VV009232.D (-645) (-)

Ion 97.90 (97.60 to 98.60): VV009232.D (-645) (-)

Ion 99.90 (99.60 to 100.60): VV009232.D (-645) (-)





#25

2-Butanone

Concen: 95.441 ug/l

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

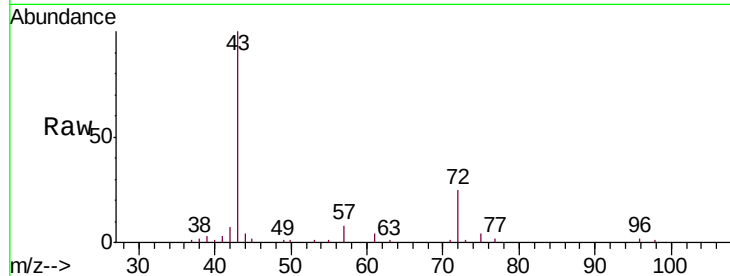
VSTDIC020

Tgt Ion: 43 Resp: 33536

Ion Ratio Lower Upper

43 100

72 24.2 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV009233.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV009233.D (-892) (-)

15000

10000

5000

0

Time-->

3.90 3.95 4.00 4.05 4.10

4.01

0

0

0

0

0

0

0

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0

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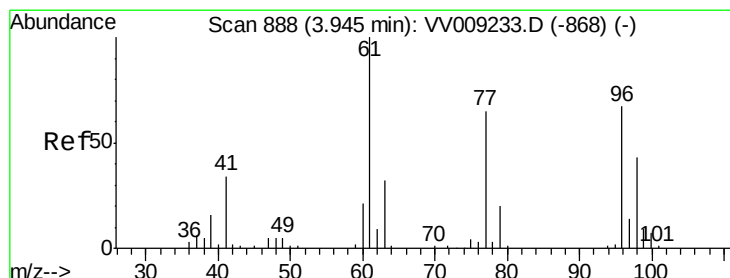
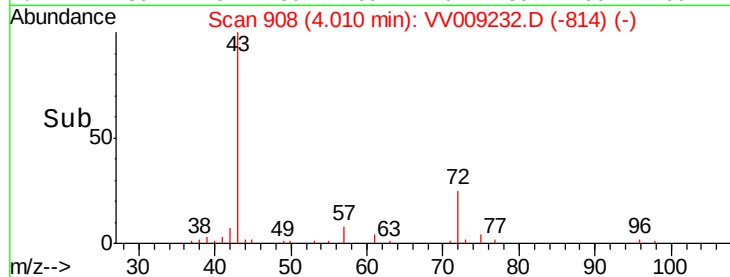
0

0

0

0

0



#26

2,2-Dichloropropane

Concen: 21.895 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009232.D

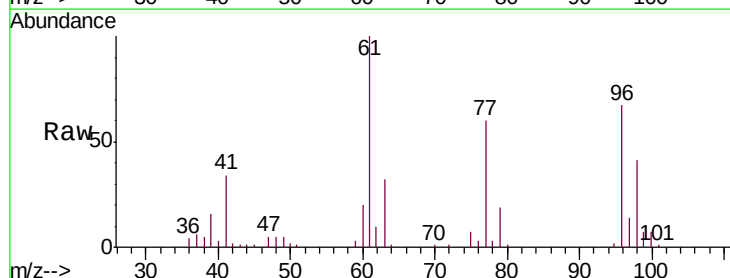
Acq: 22 Jan 2019 12:57

Tgt Ion: 77 Resp: 25438

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV009233.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009233.D (-868) (-)

10000

8000

6000

4000

2000

0

Time-->

3.90 3.95 4.00 4.05 4.10

3.95

0

0

0

0

0

0

0

0

0

0

0

0

0

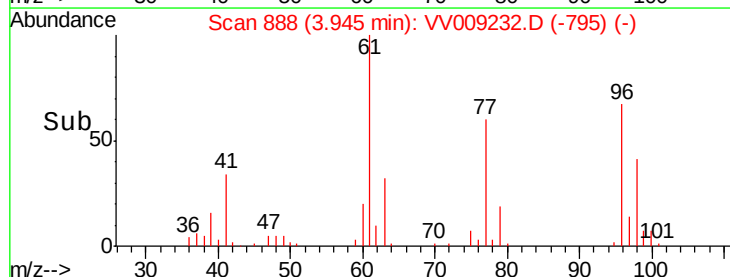
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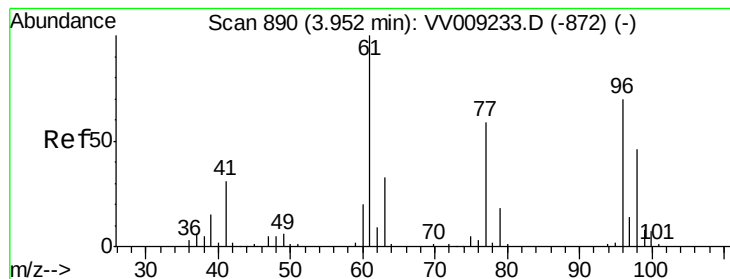
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0

0



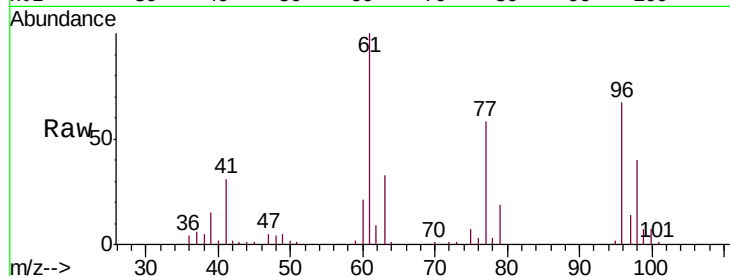


#27

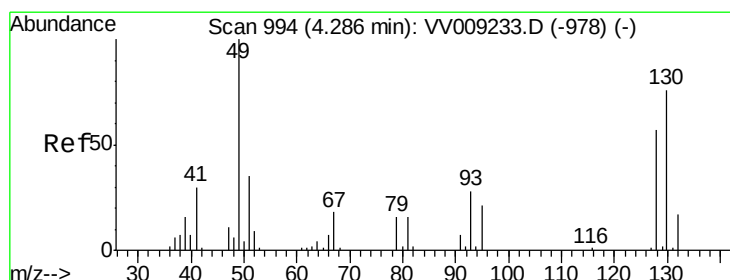
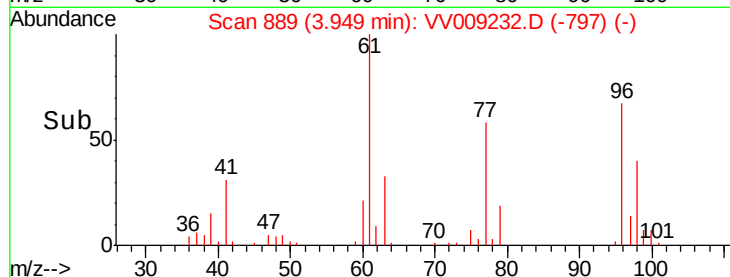
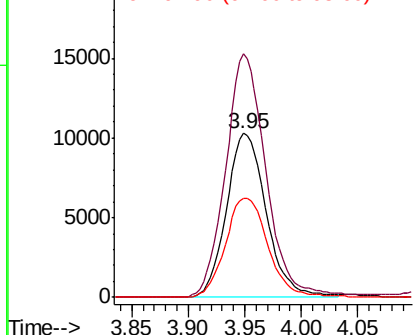
cis-1,2-Dichloroethene
 Concen: 19.948 ug/l
 RT: 3.95 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 25188
 Ion Ratio Lower Upper
 96 100
 61 150.7 0.0 296.4
 98 64.9 0.0 130.0



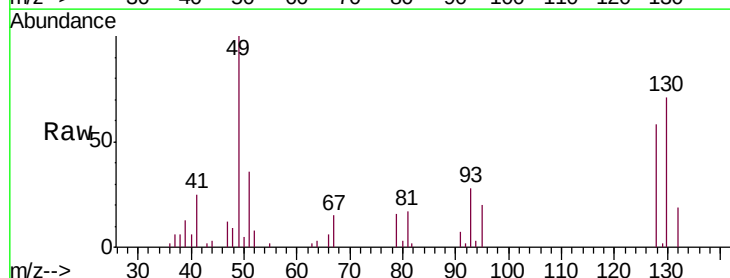
Abundance Ion 95.90 (95.60 to 96.60): VV0
 Ion 60.90 (60.60 to 61.60): VV0
 Ion 97.90 (97.60 to 98.60): VV0



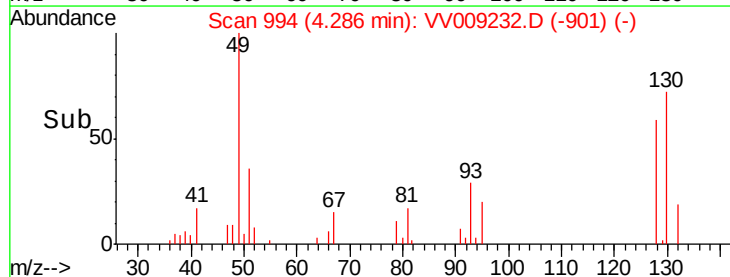
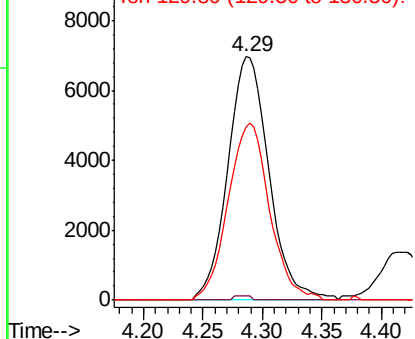
#28

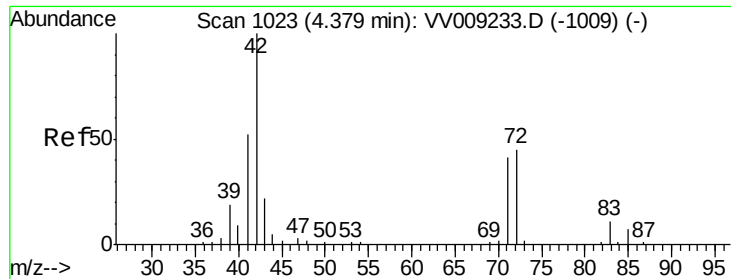
Bromochloromethane
 Concen: 19.859 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 49 Resp: 16757
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.6
 130 72.9 60.2 90.4



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





#29

Tetrahydrofuran

Concen: 92.477 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

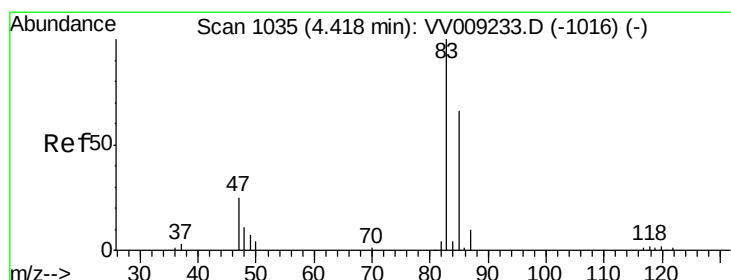
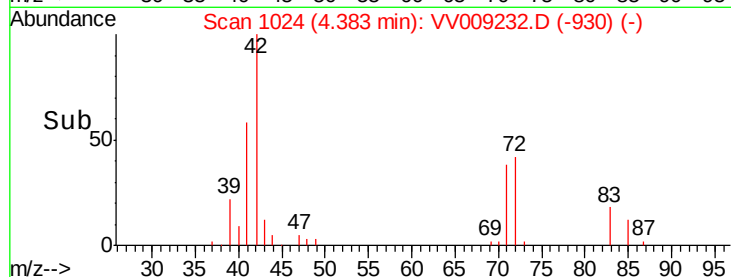
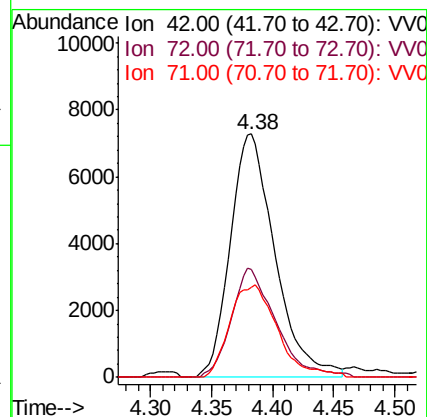
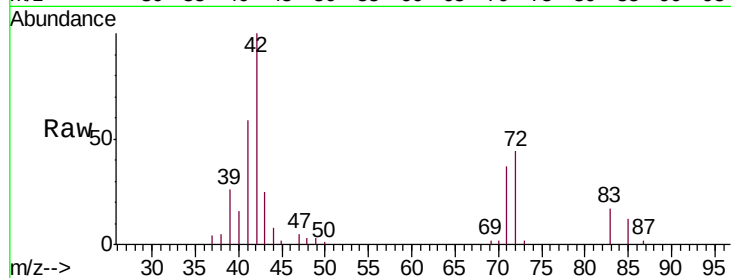
Tgt Ion: 42 Resp: 18615

Ion Ratio Lower Upper

42 100

72 44.4 37.7 56.5

71 40.5 31.5 47.3



#30

Chloroform

Concen: 19.546 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VV009232.D

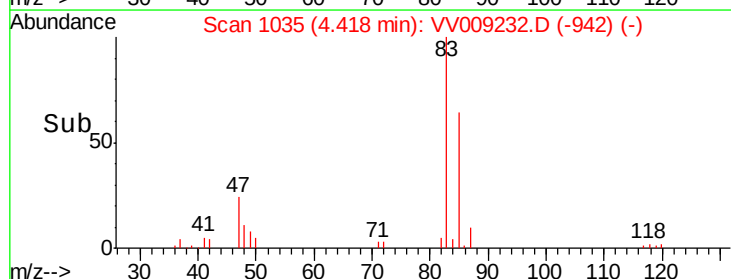
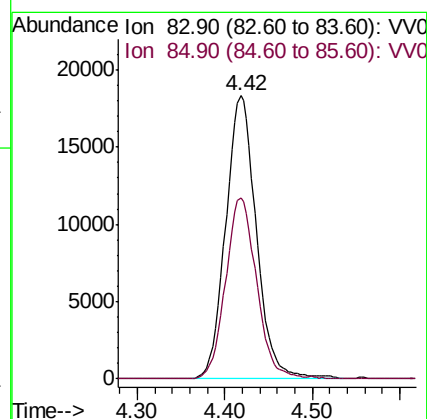
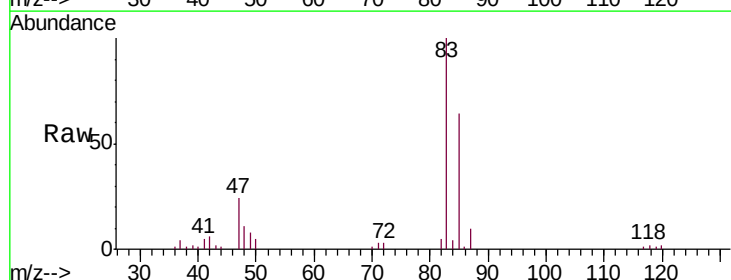
Acq: 22 Jan 2019 12:57

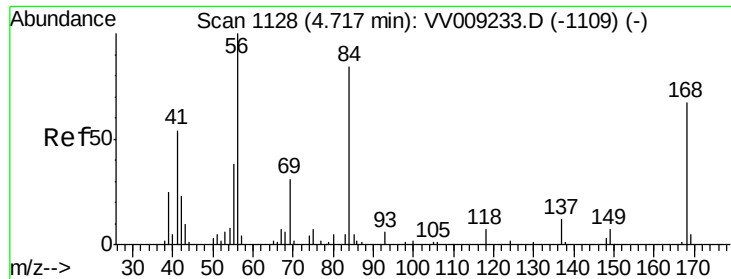
Tgt Ion: 83 Resp: 44644

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0

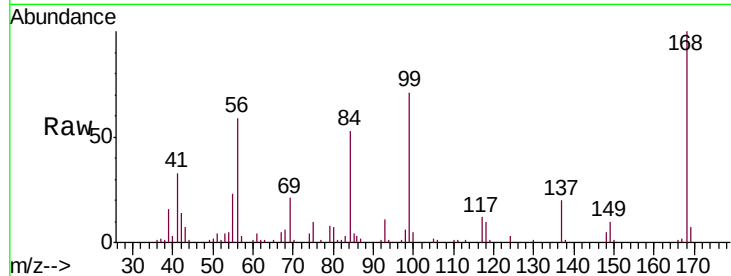




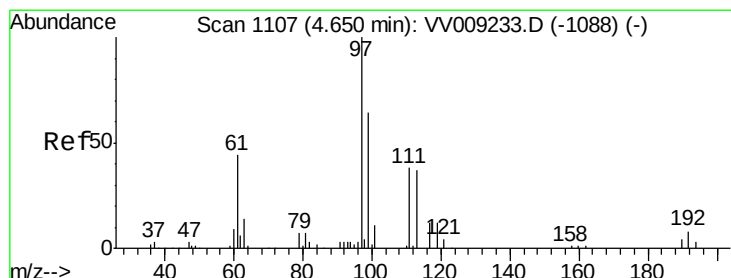
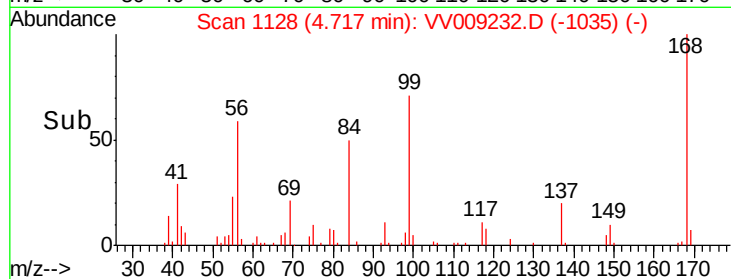
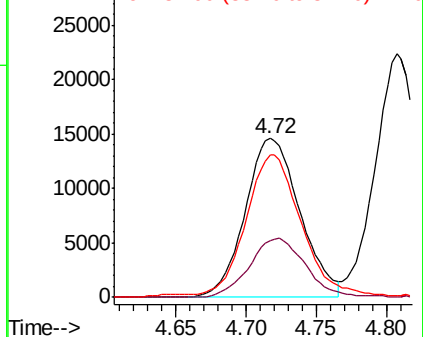
#31
Cyclohexane
Concen: 20.202 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tgt Ion: 56 Resp: 39566
Ion Ratio Lower Upper
56 100
69 35.9 25.1 37.7
84 87.9 67.3 100.9

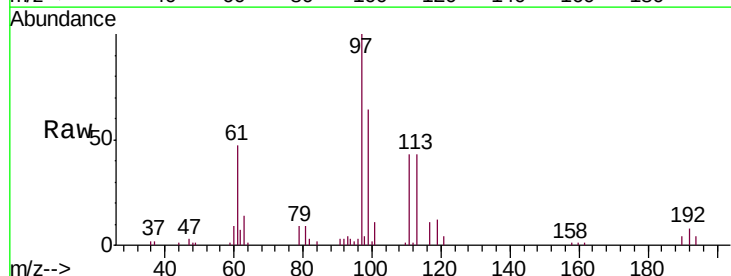


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

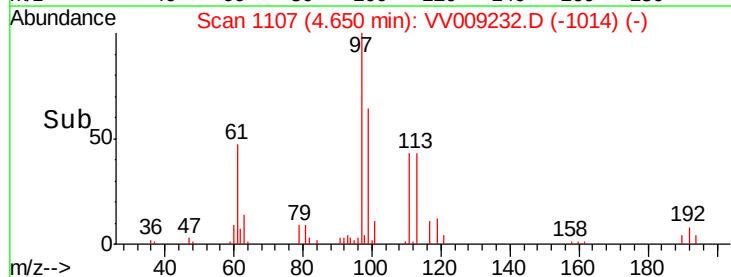
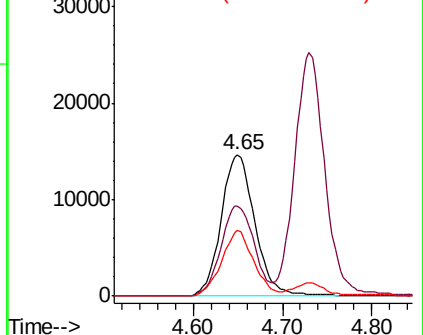


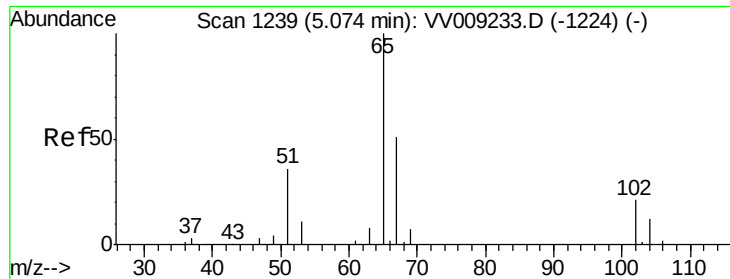
#32
1,1,1-Trichloroethane
Concen: 21.063 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 97 Resp: 38385
Ion Ratio Lower Upper
97 100
99 62.9 50.2 75.2
61 43.8 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 98.90 (98.60 to 99.60): VV0
Ion 60.90 (60.60 to 61.60): VV0

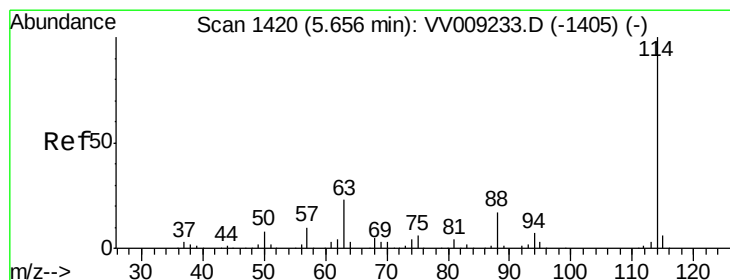
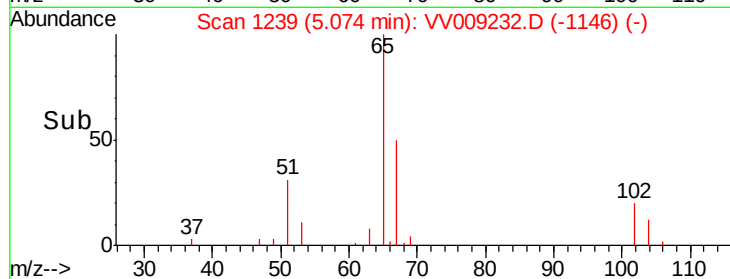
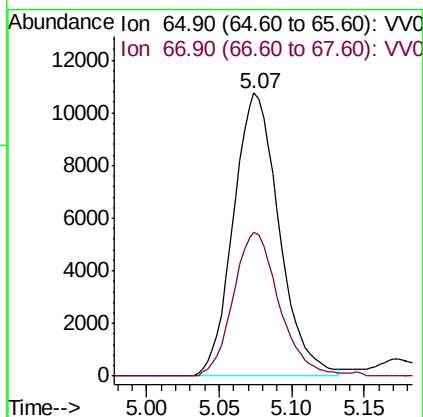
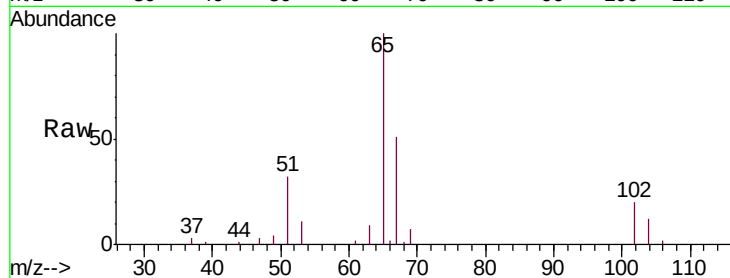




#33
 1,2-Dichloroethane-d4
 Concen: 19.448 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

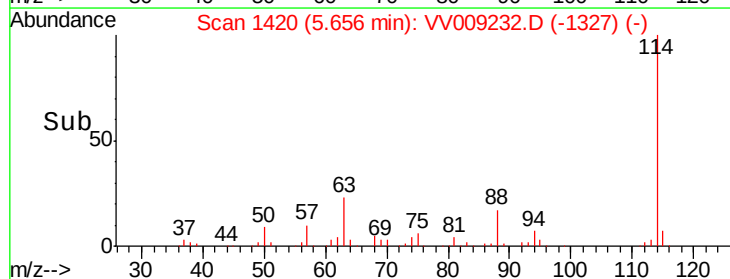
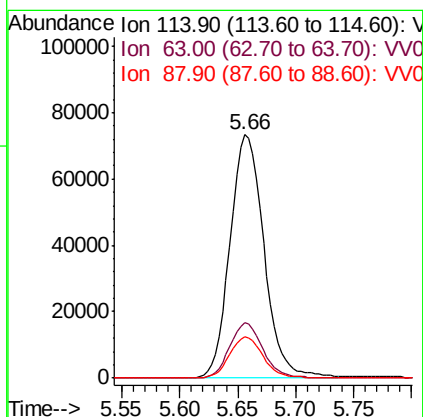
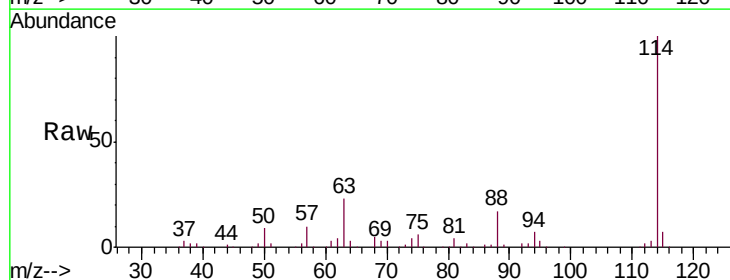
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

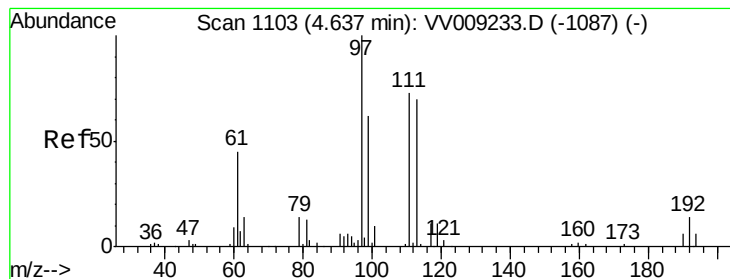
Tgt Ion: 65 Resp: 23562
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 114 Resp: 149909
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 21.278 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

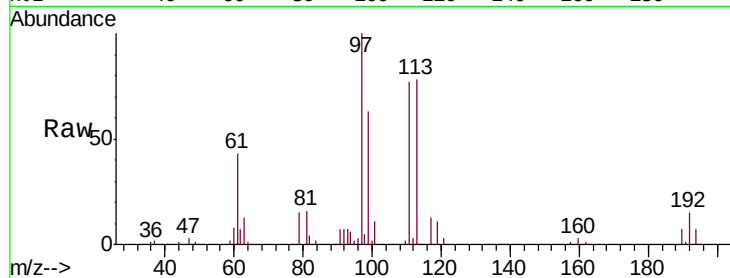
Tgt Ion:113 Resp: 21155

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

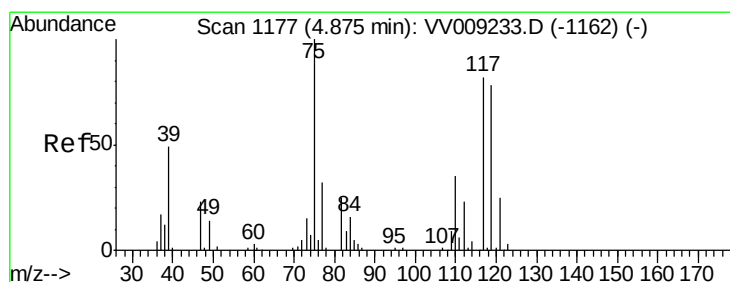
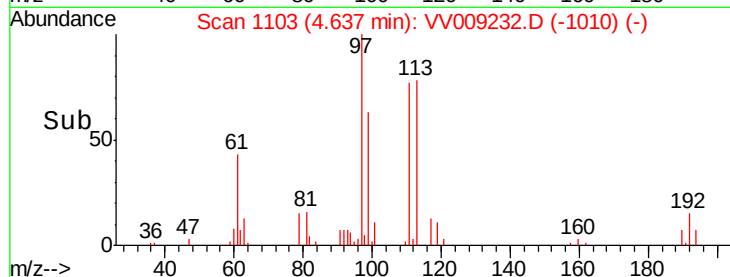
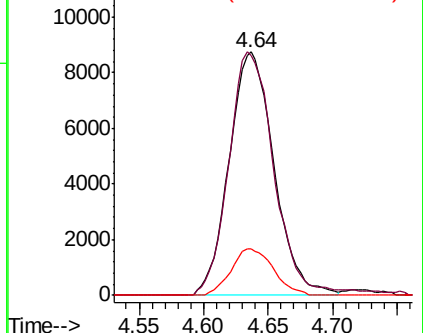
192 18.0 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.872 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

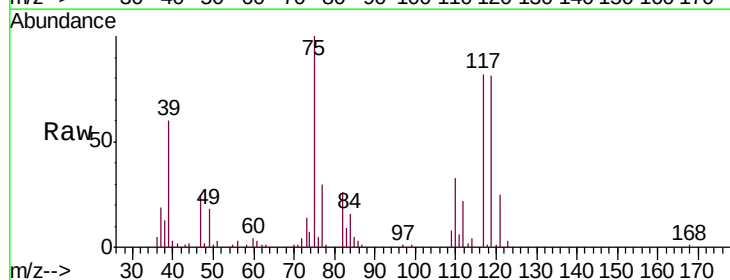
Tgt Ion: 75 Resp: 33879

Ion Ratio Lower Upper

75 100

110 32.5 17.5 52.5

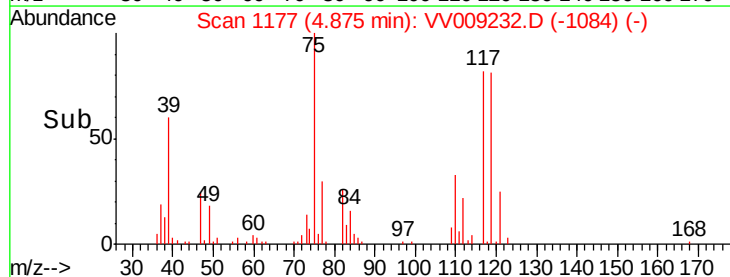
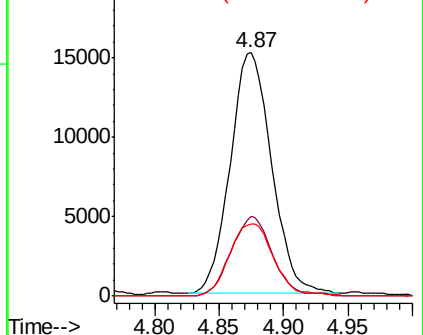
77 32.1 25.5 38.3

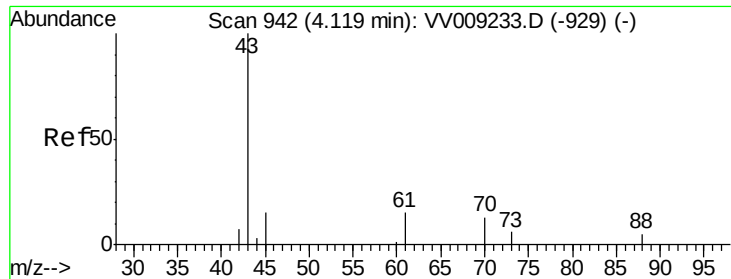


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

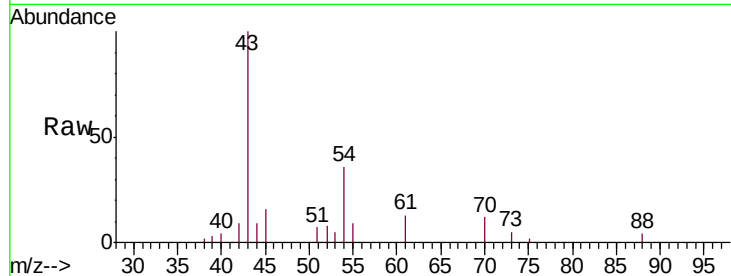




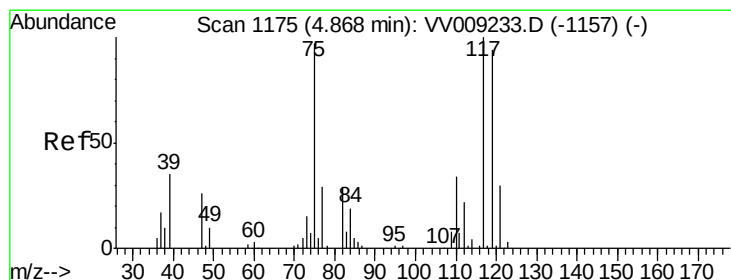
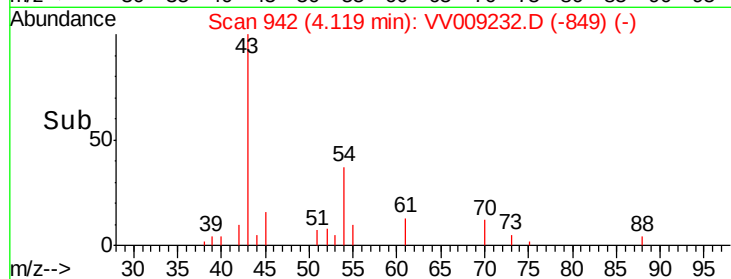
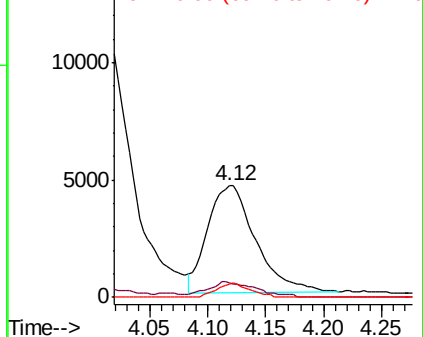
#37
Ethyl Acetate
Concen: 19.254 ug/l
RT: 4.12 min Scan# 942
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 13054
Ion Ratio Lower Upper
43 100
61 14.9 12.0 18.0
70 9.2 8.7 13.1

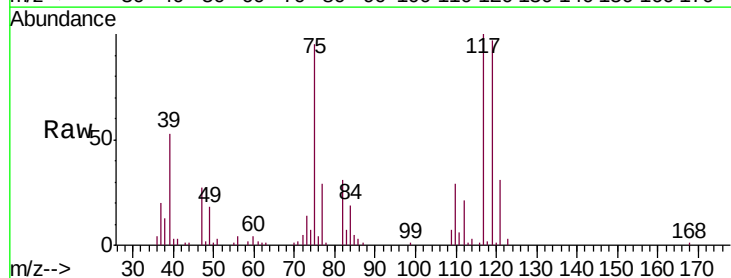


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 60.90 (60.60 to 61.60): VV0
Ion 70.00 (69.70 to 70.70): VV0

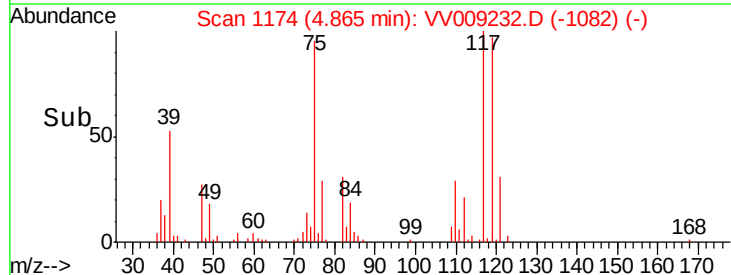
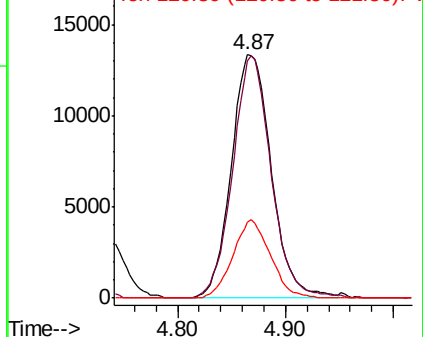


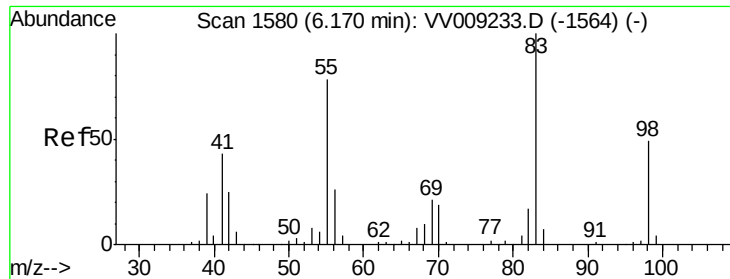
#38
Carbon Tetrachloride
Concen: 21.358 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 117 Resp: 34449
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.2
121 31.3 24.2 36.2



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

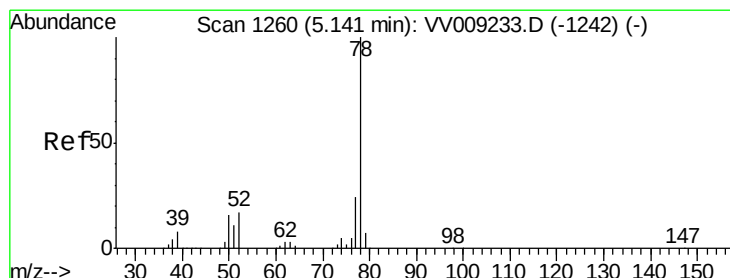
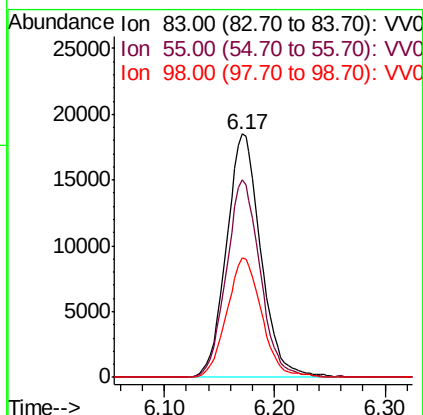
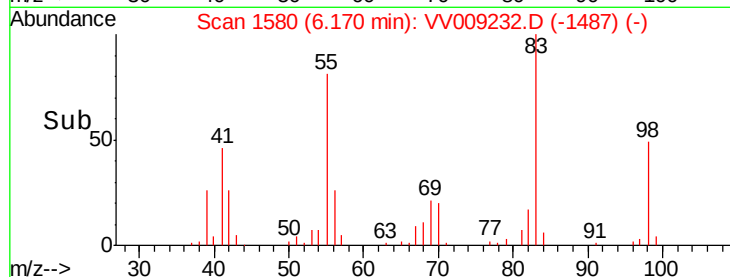
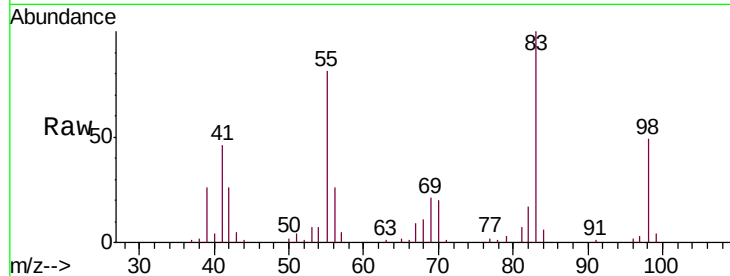




#39
Methylcyclohexane
Concen: 21.363 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

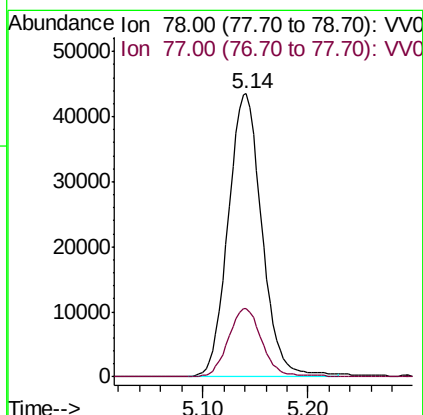
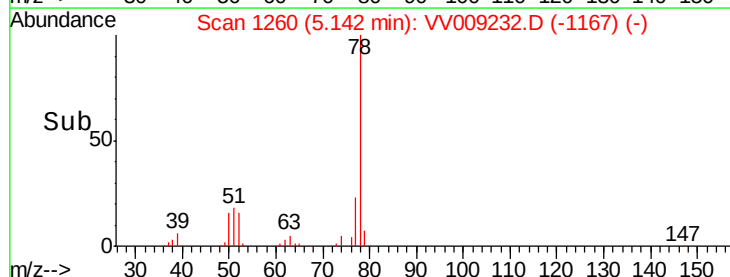
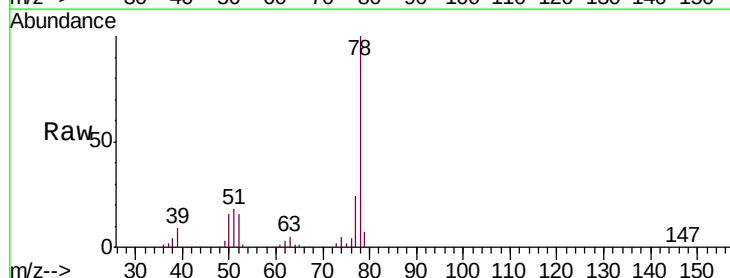
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

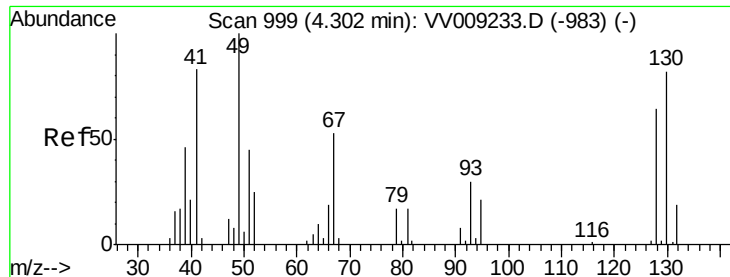
Tgt Ion: 83 Resp: 39902
Ion Ratio Lower Upper
83 100
55 81.3 62.8 94.2
98 48.9 39.1 58.7



#40
Benzene
Concen: 21.080 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 78 Resp: 96652
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.2

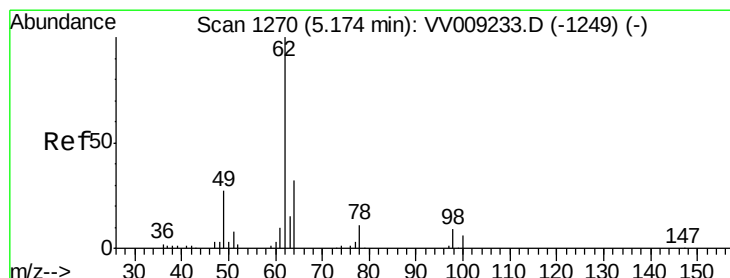
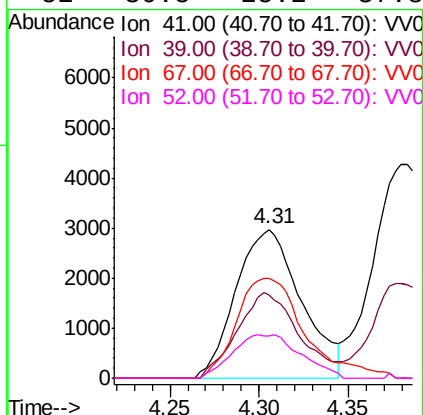
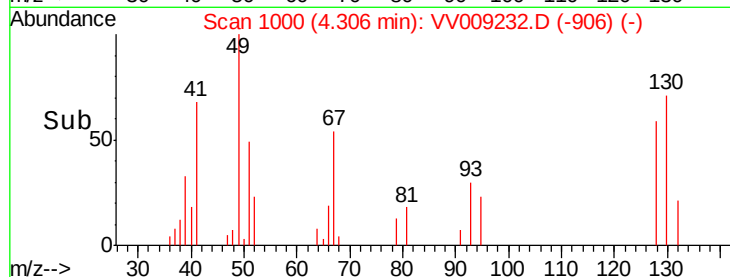
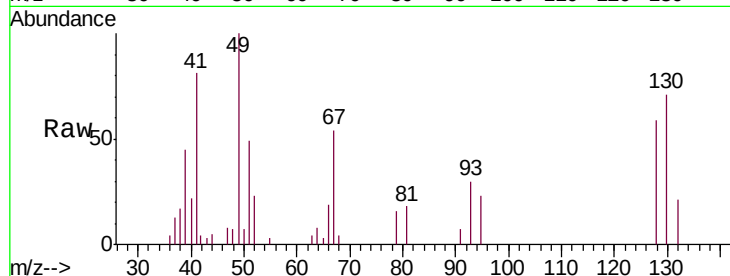




#41
Methacrylonitrile
Concen: 19.128 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

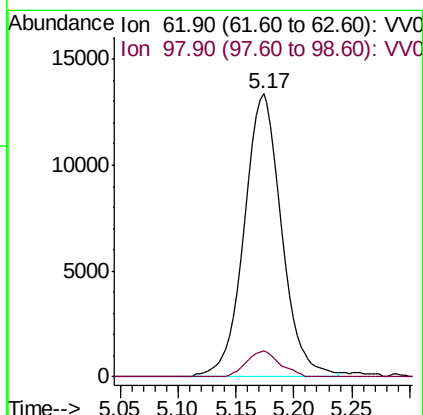
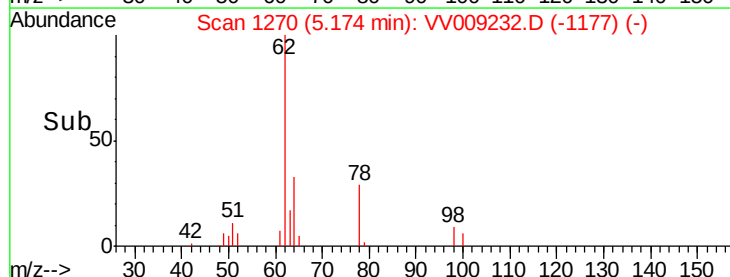
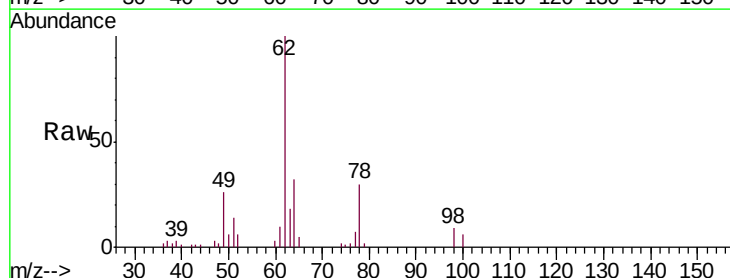
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

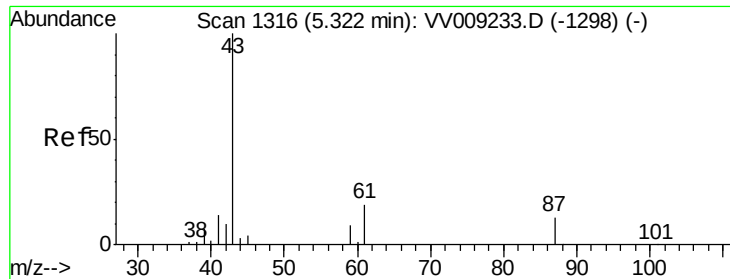
Tgt Ion: 41 Resp: 7594
Ion Ratio Lower Upper
41 100
39 54.4 45.4 68.0
67 70.1 55.5 83.3
52 30.5 25.2 37.8



#42
1,2-Dichloroethane
Concen: 19.715 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 62 Resp: 30159
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 19.059 ug/l

RT: 5.32 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

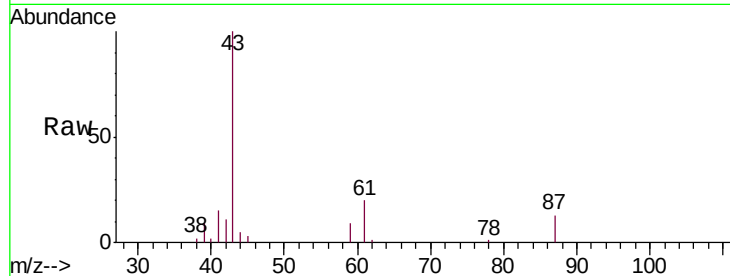
Tgt Ion: 43 Resp: 25677

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

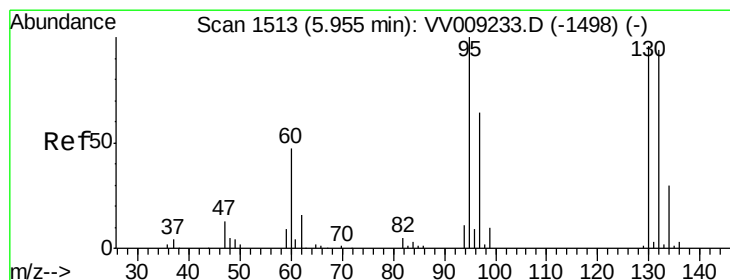
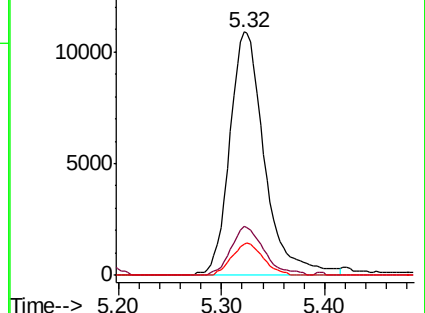
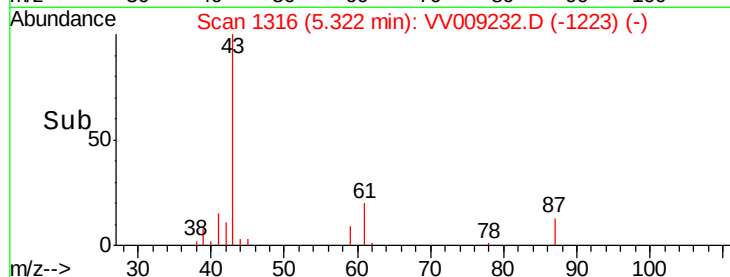
87 11.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV009232.D (-1223) (-)

Ion 61.00 (60.70 to 61.70): VV009232.D (-1223) (-)

Ion 87.00 (86.70 to 87.70): VV009232.D (-1223) (-)



#44

Trichloroethene

Concen: 21.487 ug/l

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009232.D

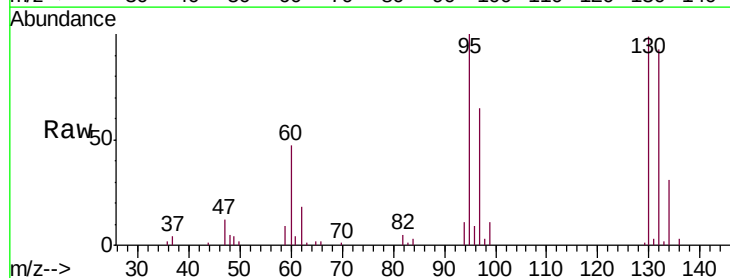
Acq: 22 Jan 2019 12:57

Tgt Ion: 130 Resp: 25364

Ion Ratio Lower Upper

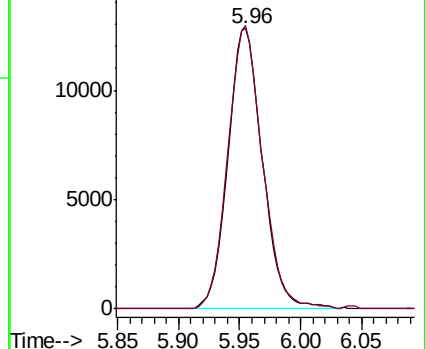
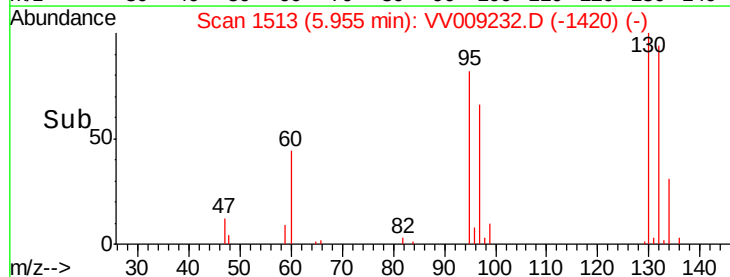
130 100

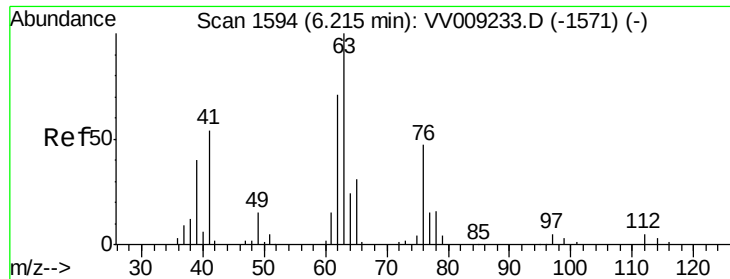
95 100.9 0.0 208.2



Abundance Ion 129.80 (129.50 to 130.50): VV009232.D (-1420) (-)

Ion 94.90 (94.60 to 95.60): VV009232.D (-1420) (-)





#45

1,2-Dichloropropane

Concen: 20.823 ug/l

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

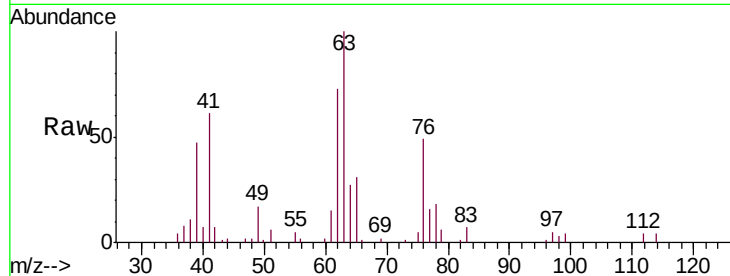
VSTDIC020

Tgt Ion: 63 Resp: 23267

Ion Ratio Lower Upper

63 100

65 30.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VV009232.D (-1571) (-)

Ion 64.90 (64.60 to 65.60): VV009232.D (-1571) (-)

6.22

12000

10000

8000

6000

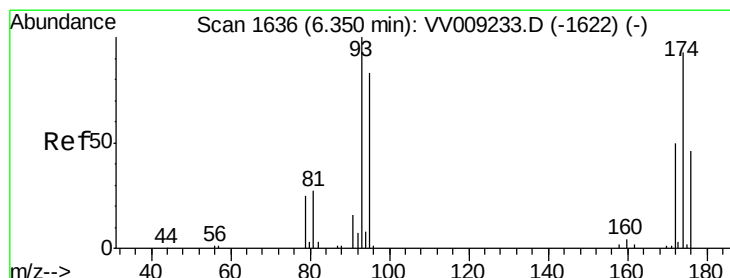
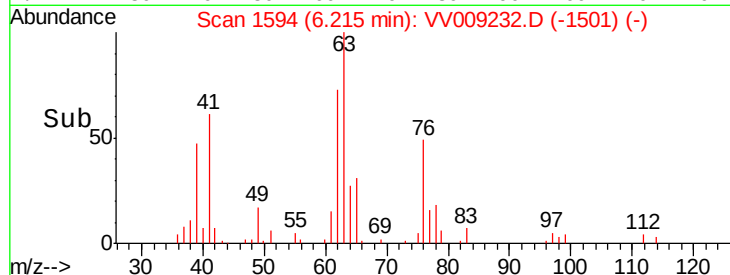
4000

2000

0

Time-->

6.10 6.20 6.30



#46

Dibromomethane

Concen: 19.005 ug/l

RT: 6.35 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

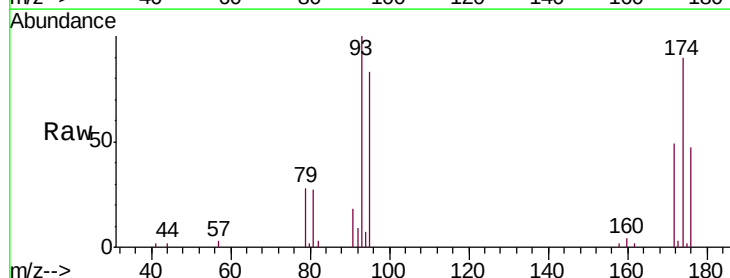
Tgt Ion: 93 Resp: 11571

Ion Ratio Lower Upper

93 100

95 85.4 64.6 97.0

174 94.3 74.0 111.0



Abundance Ion 92.80 (92.50 to 93.50): VV009232.D (-1622) (-)

Ion 94.80 (94.50 to 95.50): VV009232.D (-1622) (-)

Ion 173.70 (173.40 to 174.40): VV009232.D (-1622) (-)

6.35

8000

6000

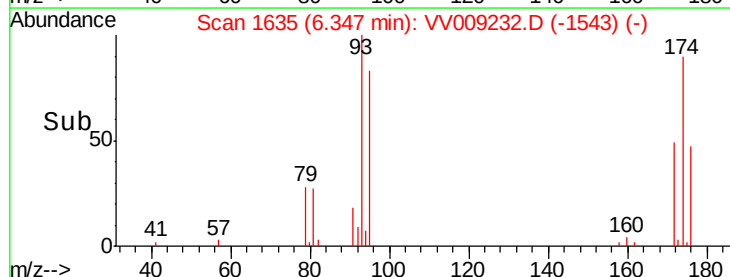
4000

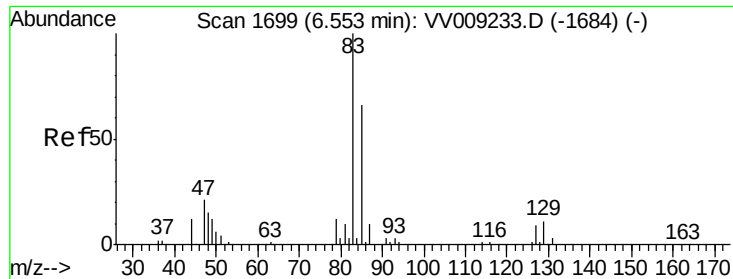
2000

0

Time-->

6.30 6.35 6.40





#47

Bromodichloromethane

Concen: 19.748 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

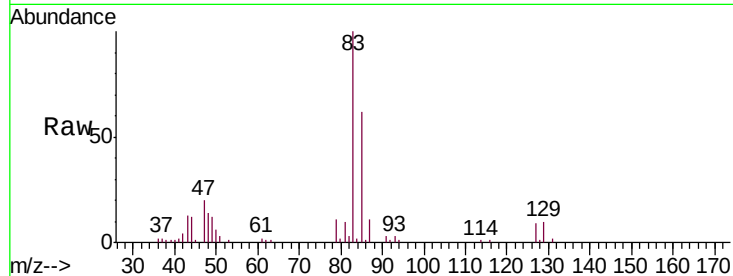
Tgt Ion: 83 Resp: 31365

Ion Ratio Lower Upper

83 100

85 62.2 52.6 78.8

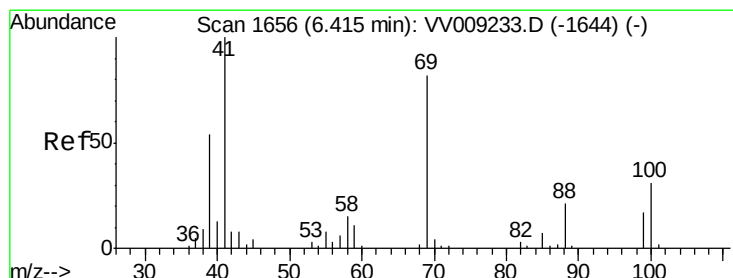
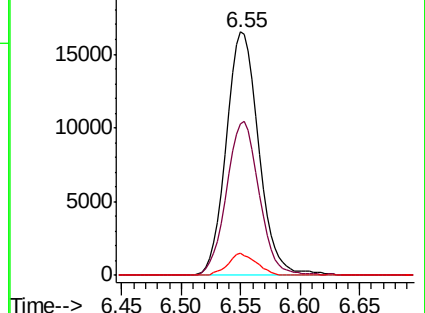
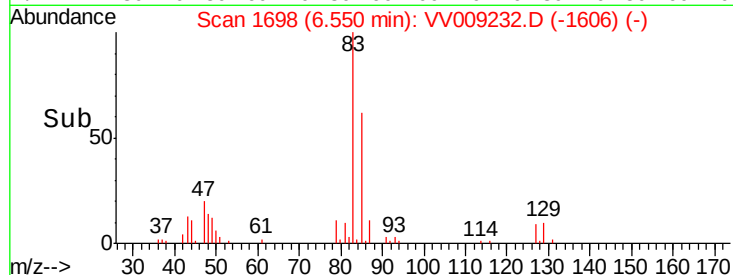
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VV009232.D (-1684) (-)

Ion 84.90 (84.60 to 85.60): VV009232.D (-1684) (-)

Ion 126.80 (126.50 to 127.50): VV009232.D (-1684) (-)



#48

Methyl methacrylate

Concen: 18.279 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

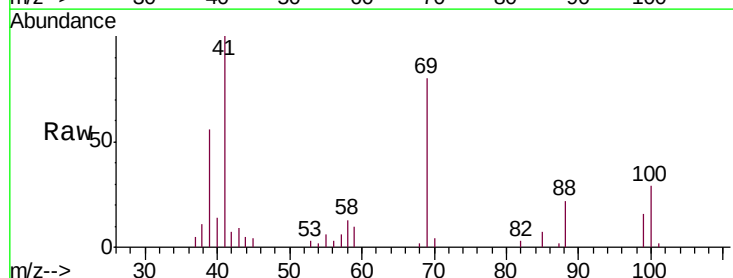
Tgt Ion: 41 Resp: 12482

Ion Ratio Lower Upper

41 100

69 82.8 65.8 98.6

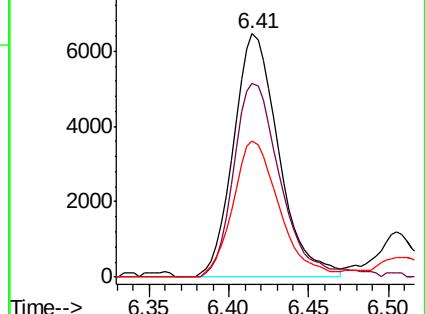
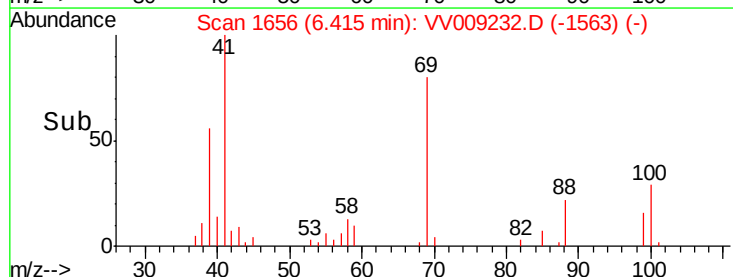
39 56.9 43.4 65.0

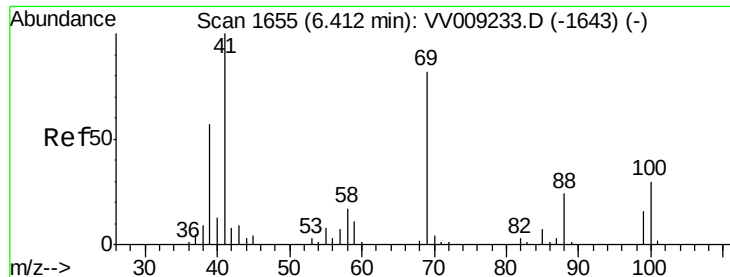


Abundance Ion 41.00 (40.70 to 41.70): VV009232.D (-1644) (-)

Ion 69.00 (68.70 to 69.70): VV009232.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VV009232.D (-1644) (-)





#49

1,4-Dioxane

Concen: 376.751 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

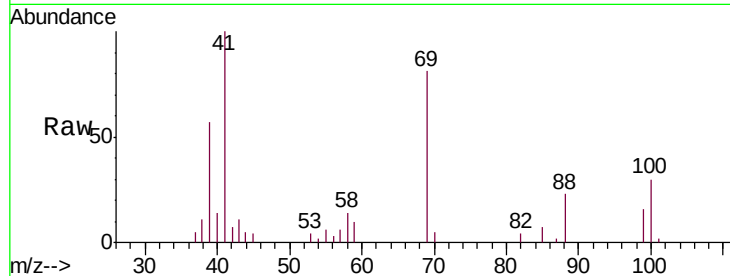
Tgt Ion: 88 Resp: 2976

Ion Ratio Lower Upper

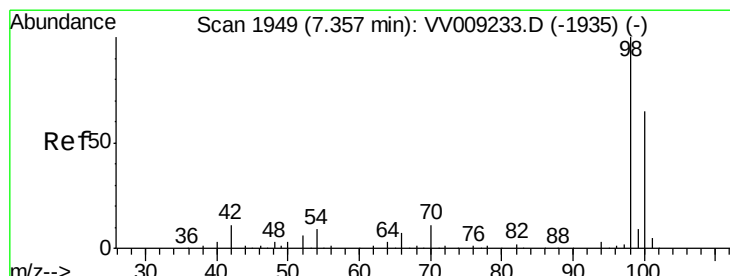
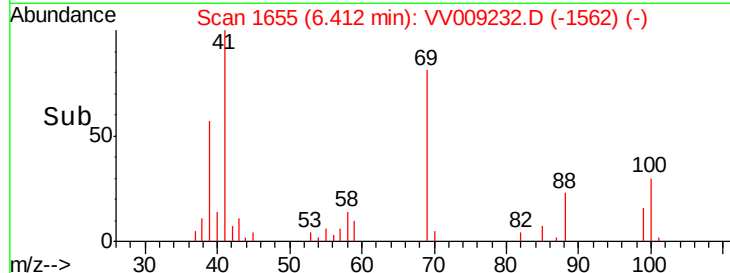
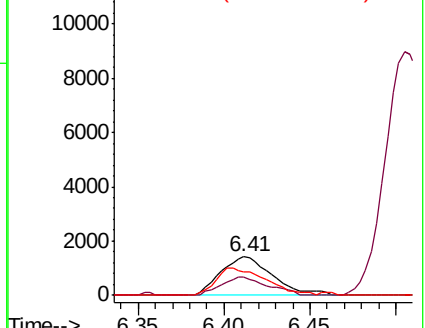
88 100

43 42.6 31.9 47.9

58 68.8 62.0 93.0



Abundance Ion 88.00 (87.70 to 88.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#50

Toluene-d8

Concen: 21.795 ug/l

RT: 7.36 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VV009232.D

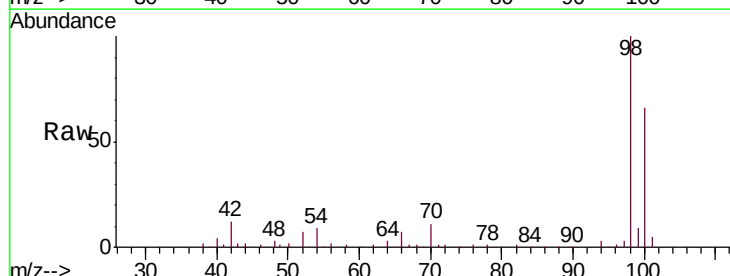
Acq: 22 Jan 2019 12:57

Tgt Ion: 98 Resp: 83317

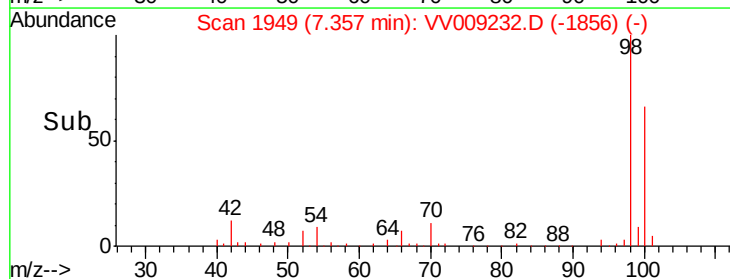
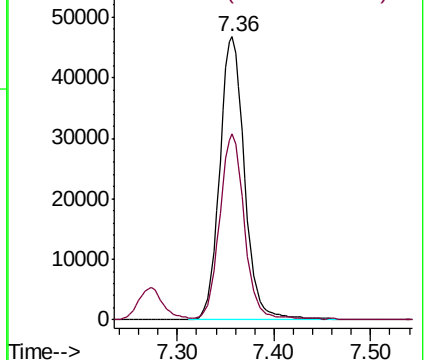
Ion Ratio Lower Upper

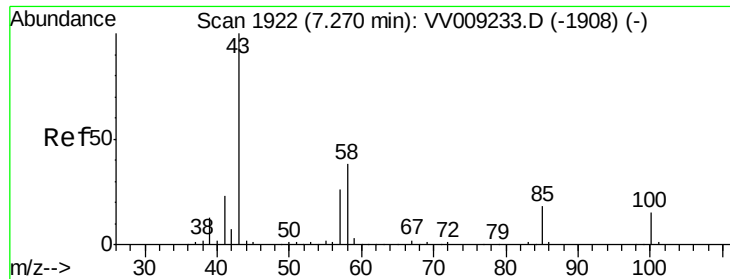
98 100

100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#51

4-Methyl-2-Pentanone

Concen: 95.033 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

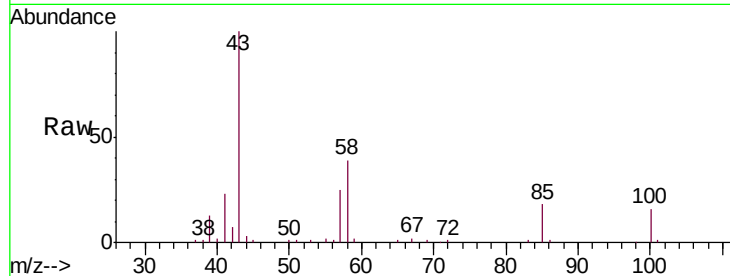
VSTDIC020

Tgt Ion: 43 Resp: 64046

Ion Ratio Lower Upper

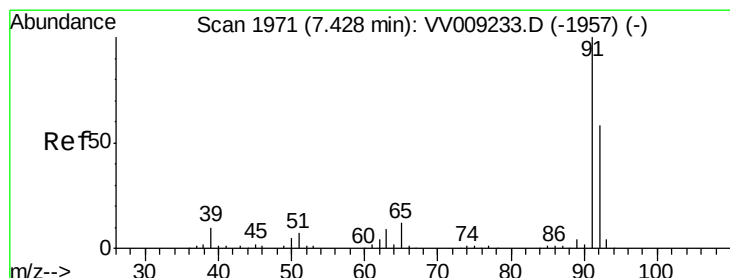
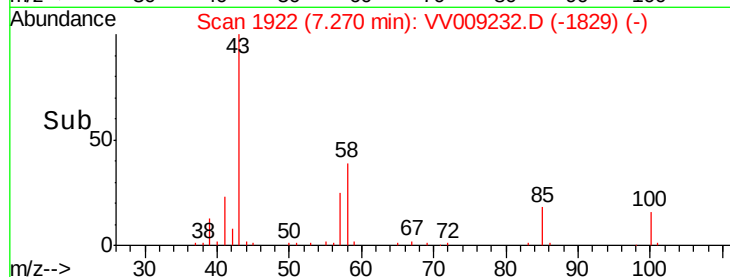
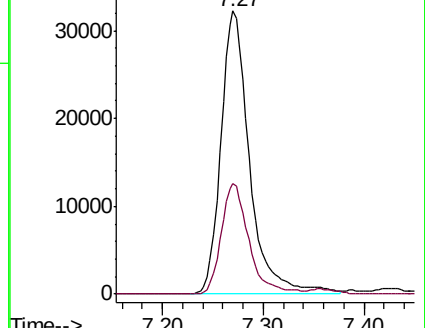
43 100

58 37.8 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VV009232.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV009232.D (-1908) (-)



#52

Toluene

Concen: 21.413 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009232.D

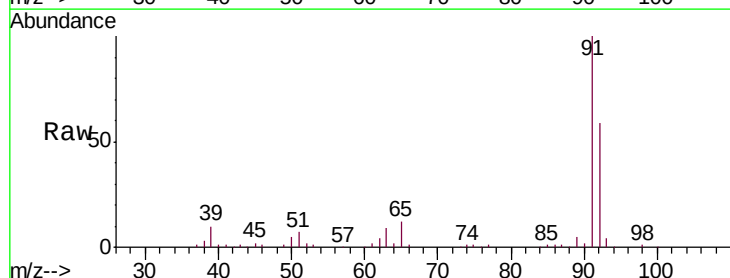
Acq: 22 Jan 2019 12:57

Tgt Ion: 92 Resp: 61623

Ion Ratio Lower Upper

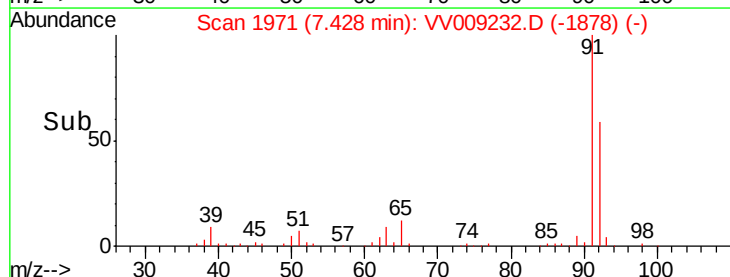
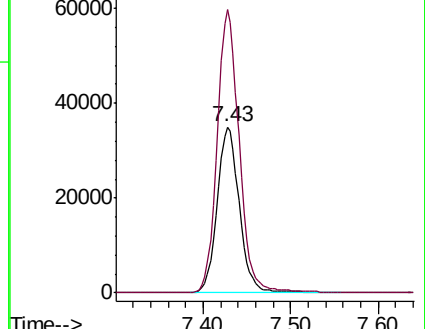
92 100

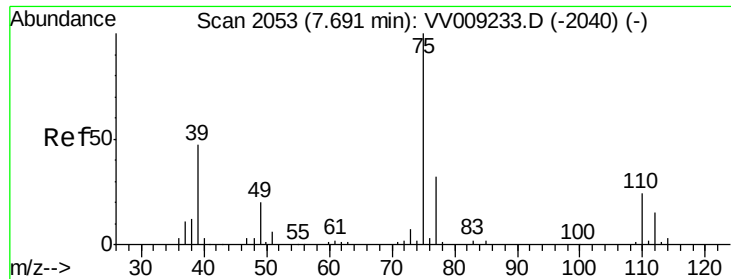
91 168.7 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009232.D (-1957) (-)

Ion 91.00 (90.70 to 91.70): VV009232.D (-1957) (-)

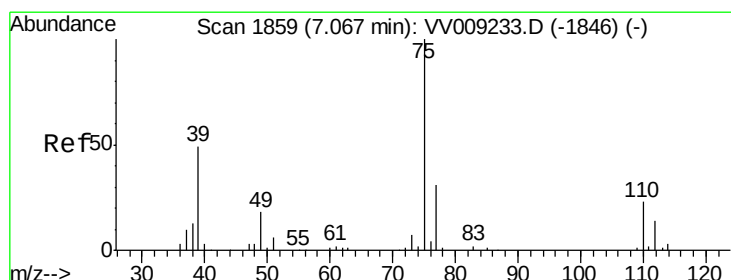
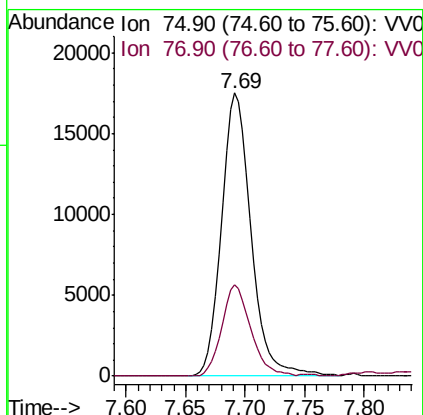
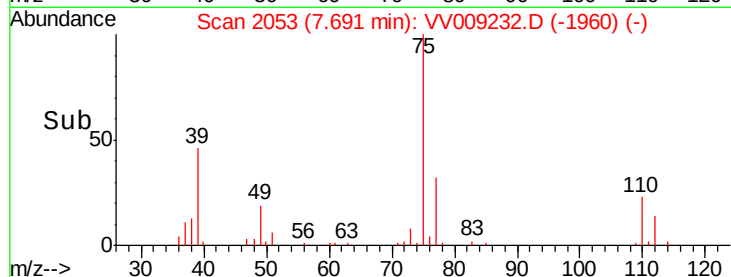
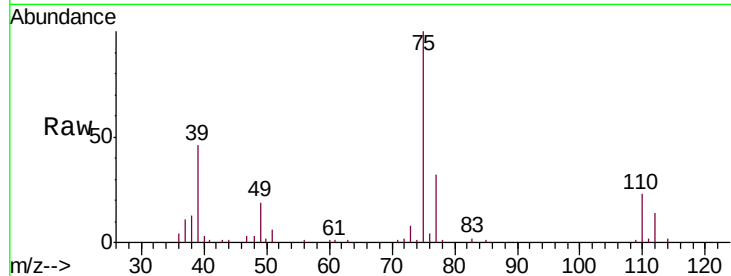




#53
 t-1,3-Dichloropropene
 Concen: 19.554 ug/l
 RT: 7.69 min Scan# 2053
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

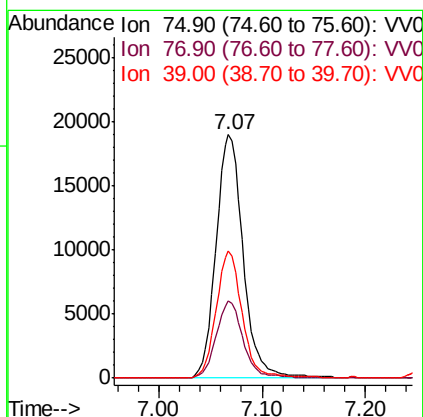
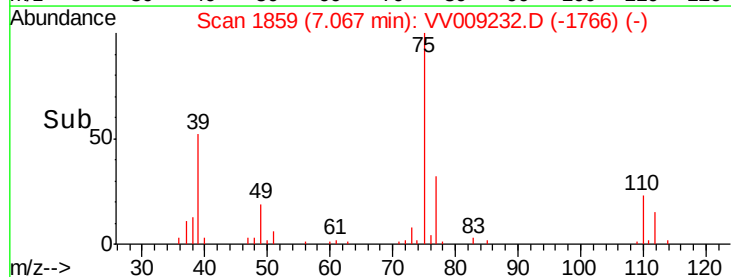
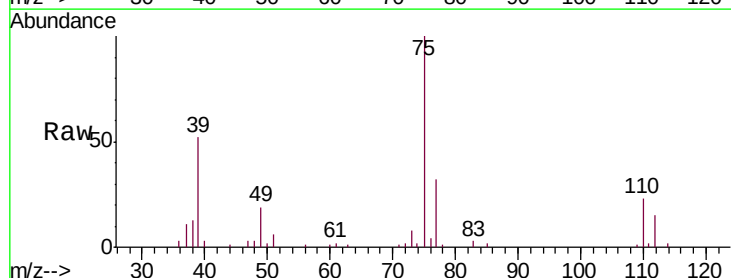
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

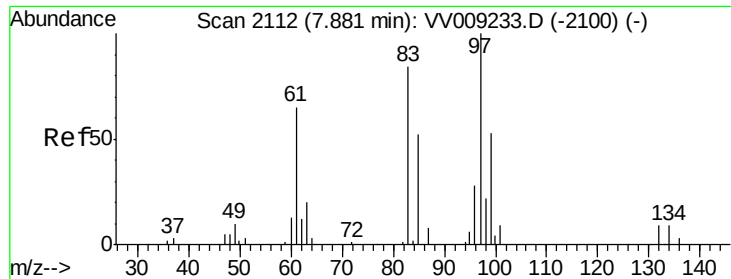
Tgt Ion: 75 Resp: 30215
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.891 ug/l
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 75 Resp: 34825
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 52.4 38.8 58.2

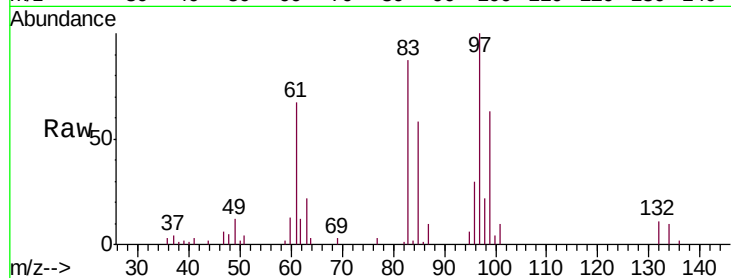




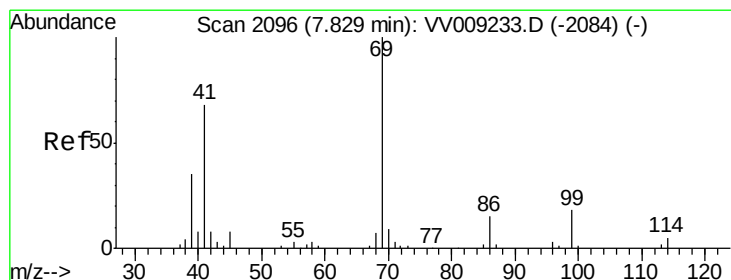
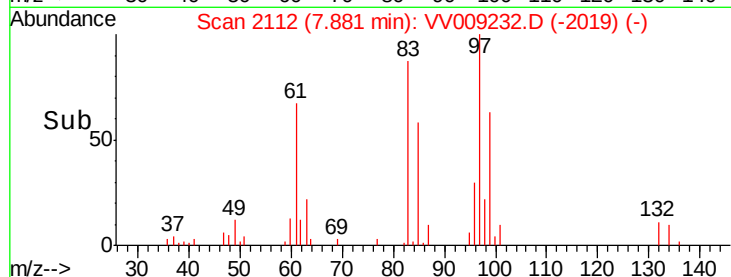
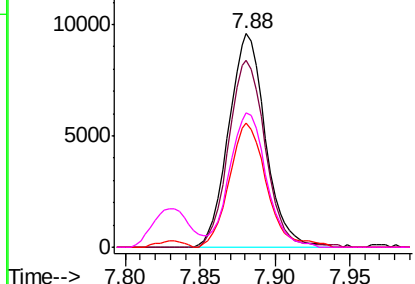
#55
 1,1,2-Trichloroethane
 Concen: 19.996 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 16495
 Ion Ratio Lower Upper
 97 100
 83 87.5 67.4 101.0
 85 58.0 42.6 64.0
 99 62.7 51.1 76.7

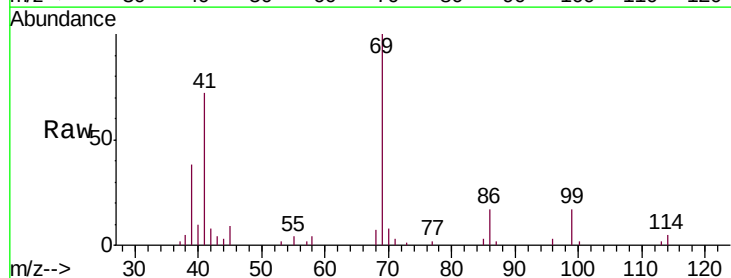


Abundance Ion 96.90 (96.60 to 97.60): VV0
 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

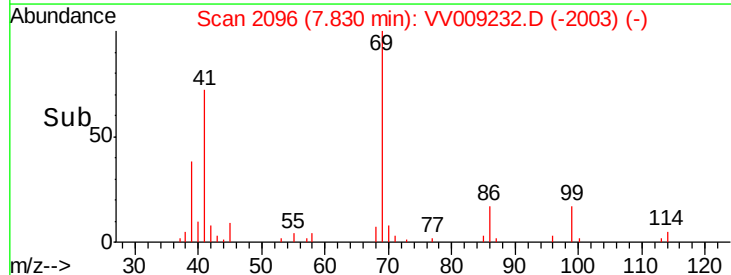
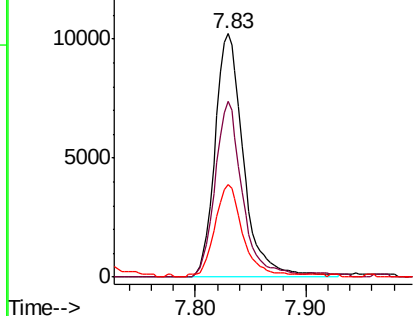


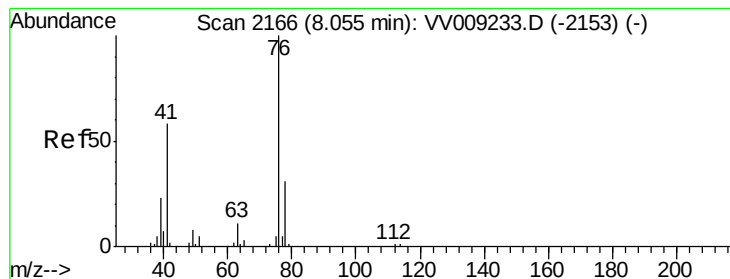
#56
 Ethyl methacrylate
 Concen: 18.342 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion: 69 Resp: 18329
 Ion Ratio Lower Upper
 69 100
 41 69.0 54.0 81.0
 39 37.9 26.8 40.2



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: 19.392 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

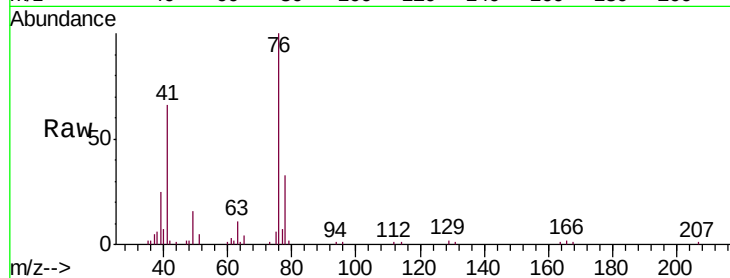
VSTDIC020

Tgt Ion: 76 Resp: 29488

Ion Ratio Lower Upper

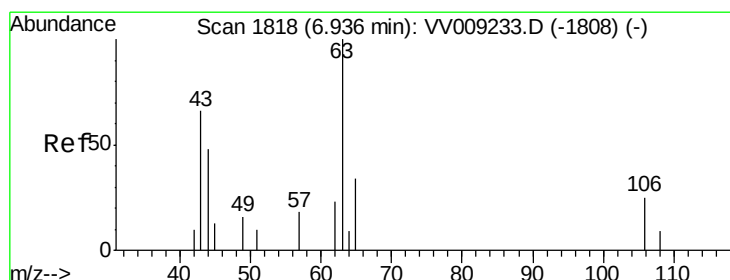
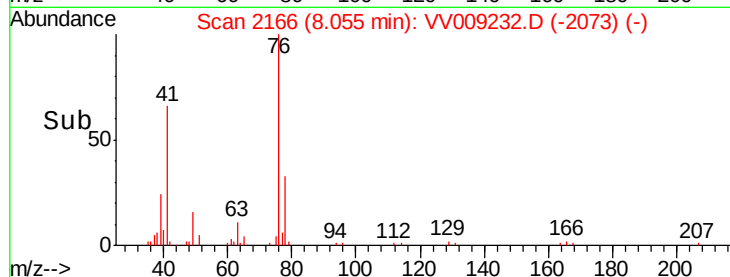
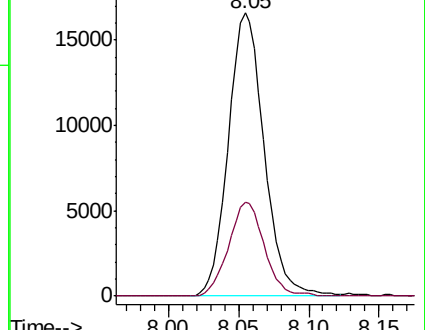
76 100

78 33.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VV009232.D (-2153) (-)

Ion 77.90 (77.60 to 78.60): VV009232.D (-2153) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 44.876 ug/l

RT: 6.94 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VV009232.D

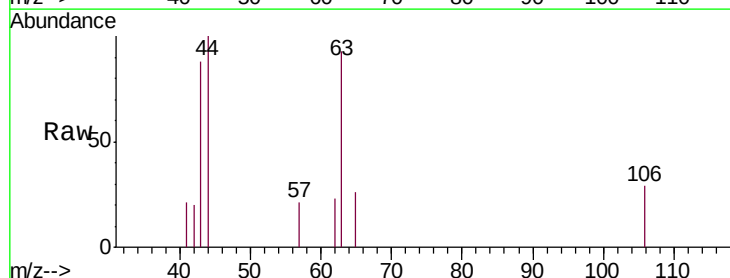
Acq: 22 Jan 2019 12:57

Tgt Ion: 63 Resp: 863

Ion Ratio Lower Upper

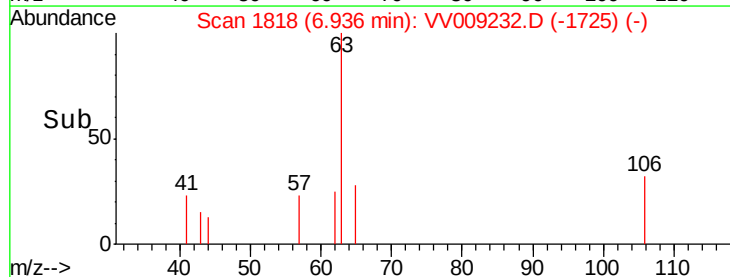
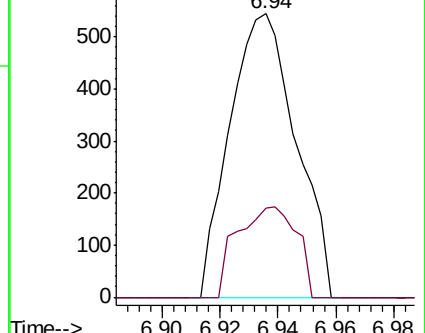
63 100

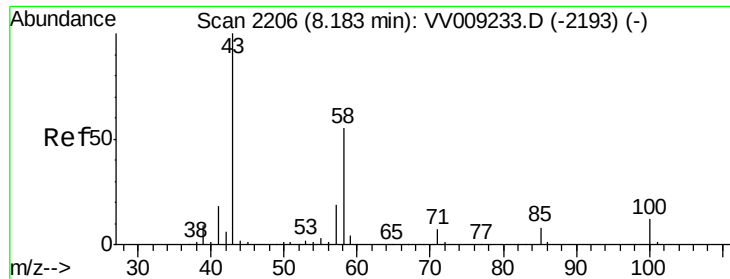
106 28.4 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VV009232.D (-1808) (-)

Ion 105.90 (105.60 to 106.60): VV009232.D (-1808) (-)

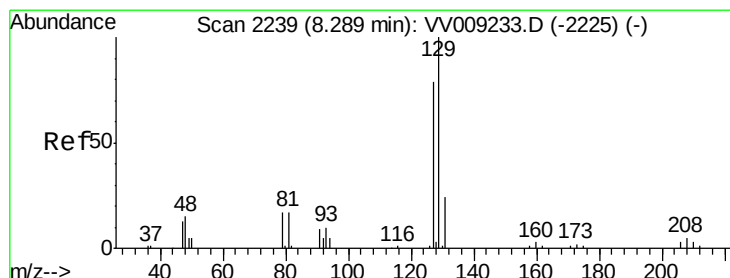
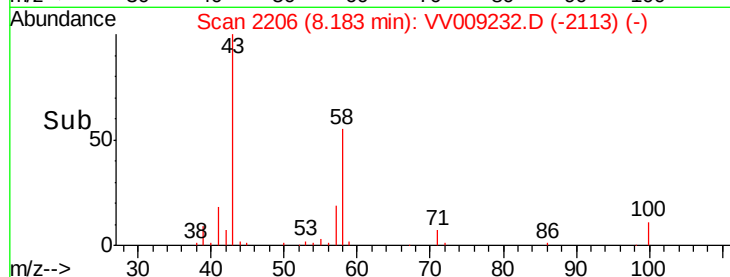
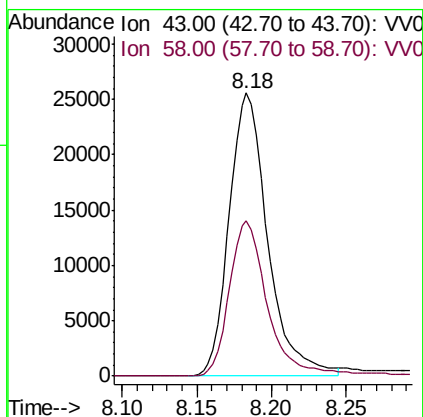
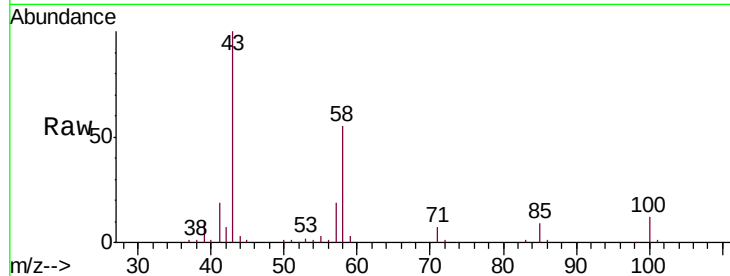




#59
2-Hexanone
Concen: 92.111 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

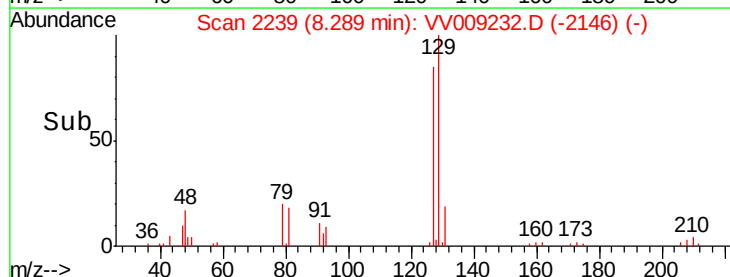
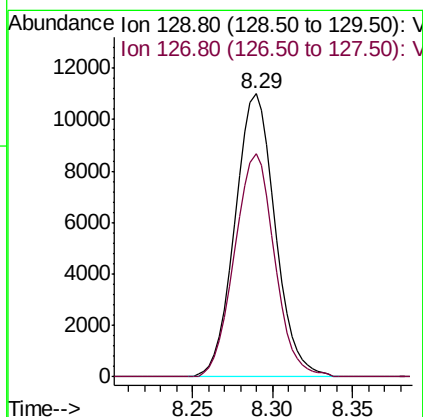
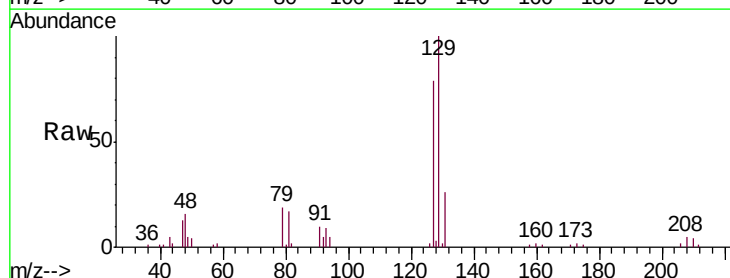
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

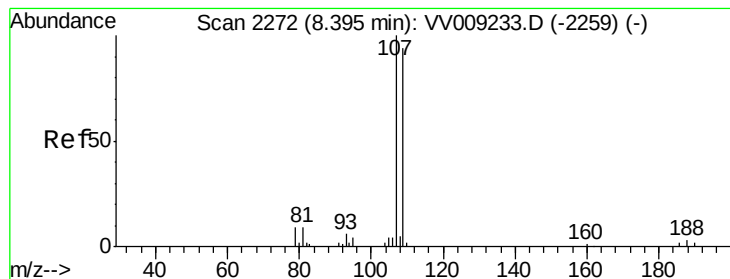
Tgt Ion: 43 Resp: 46012
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.5



#60
Dibromochloromethane
Concen: 19.138 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 129 Resp: 18798
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 19.488 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

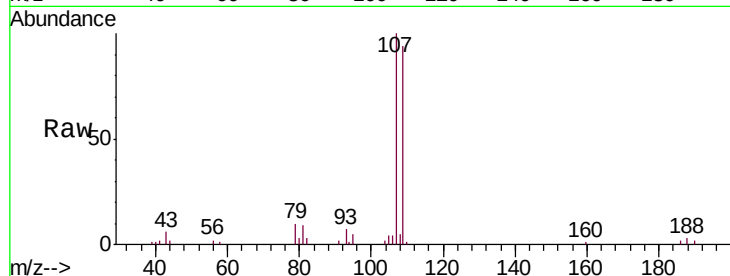
VSTDIC020

Tgt Ion: 107 Resp: 15931

Ion Ratio Lower Upper

107 100

109 94.0 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

10000

8000

6000

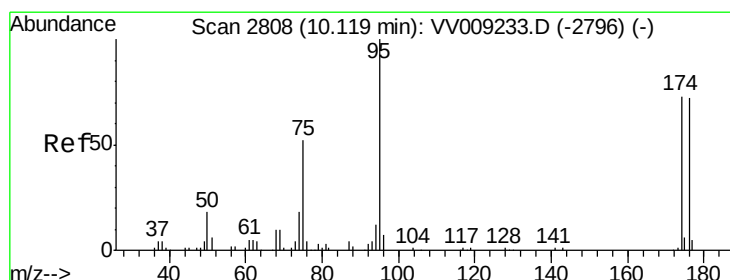
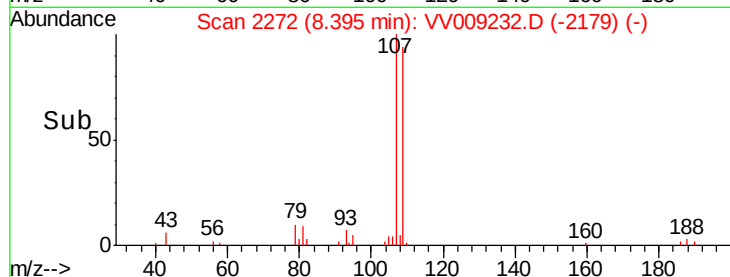
4000

2000

0

Time-->

8.35 8.40 8.45



#62

4-Bromofluorobenzene

Concen: 21.002 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

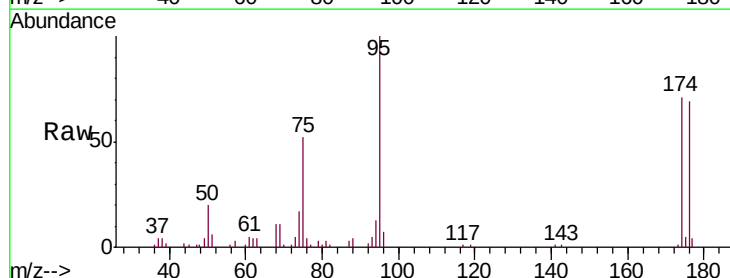
Tgt Ion: 95 Resp: 30851

Ion Ratio Lower Upper

95 100

174 71.4 0.0 148.2

176 67.5 0.0 143.0



Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

25000

20000

15000

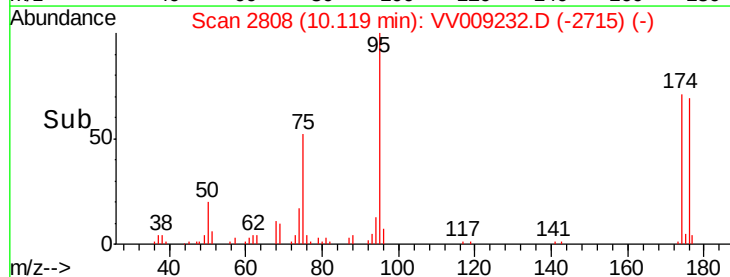
10000

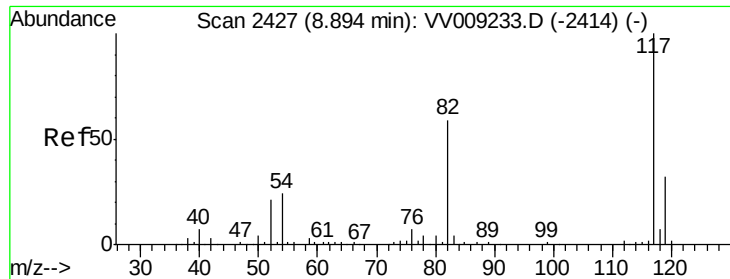
5000

0

Time-->

10.10 10.12 10.20

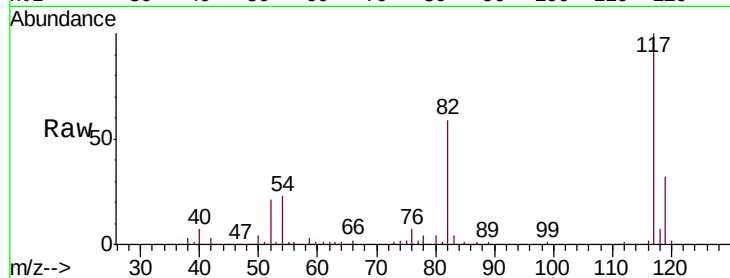




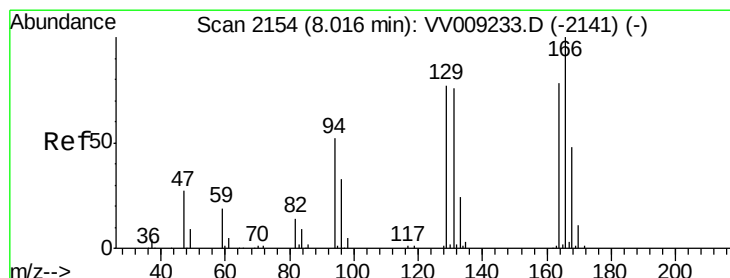
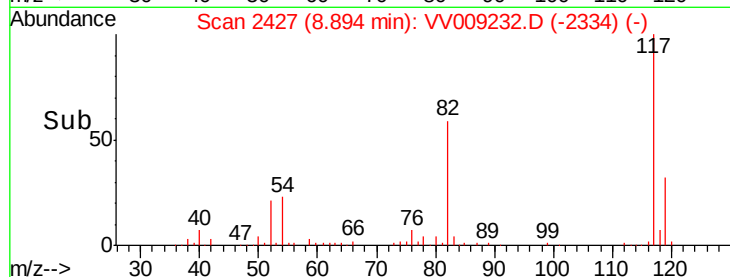
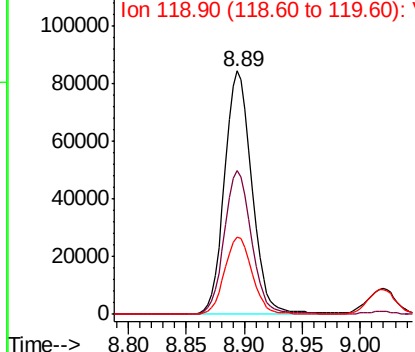
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tgt Ion:117 Resp: 137629
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.6
119 31.7 25.4 38.2



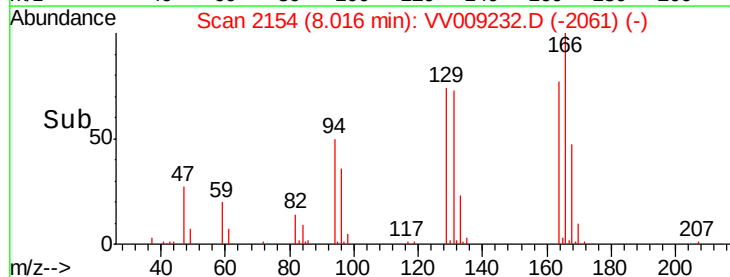
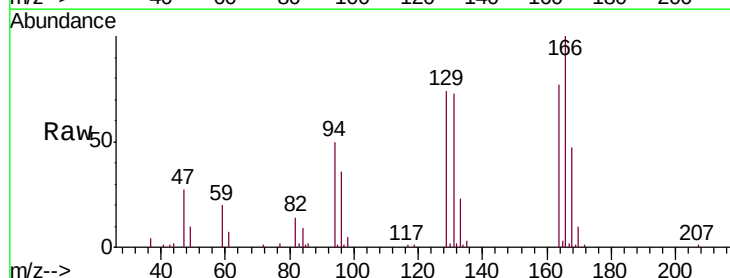
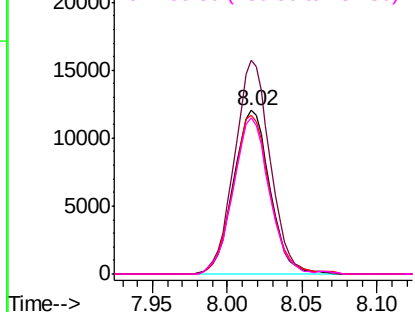
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV0
Ion 118.90 (118.60 to 119.60): V

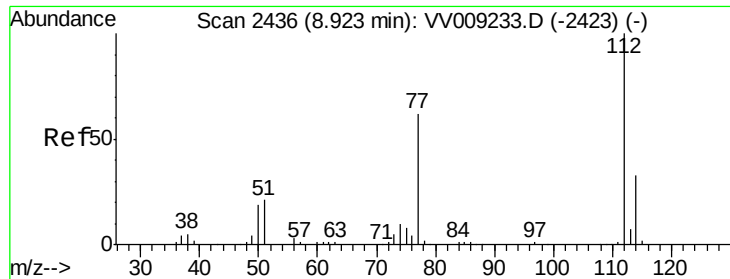


#64
Tetrachloroethene
Concen: 21.836 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion:164 Resp: 20455
Ion Ratio Lower Upper
164 100
166 130.7 102.1 153.1
129 97.3 78.1 117.1
131 95.8 78.0 117.0

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

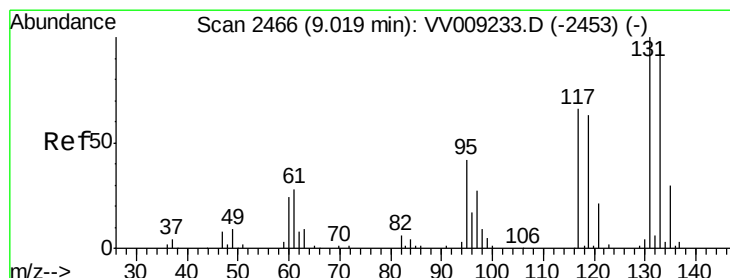
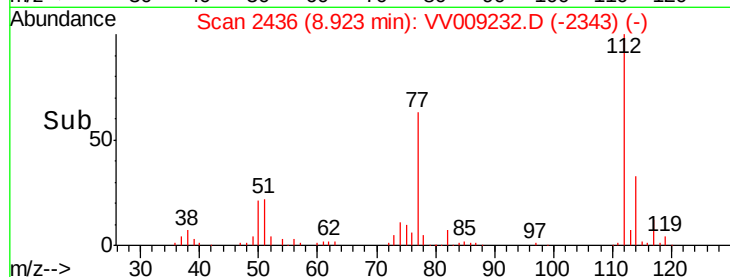
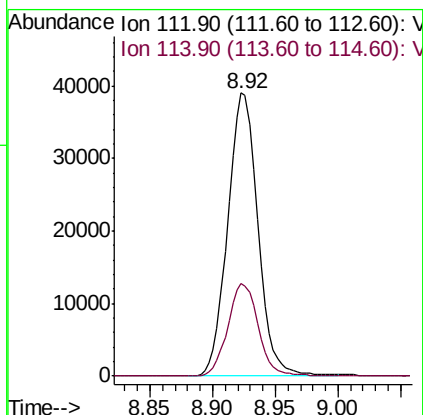
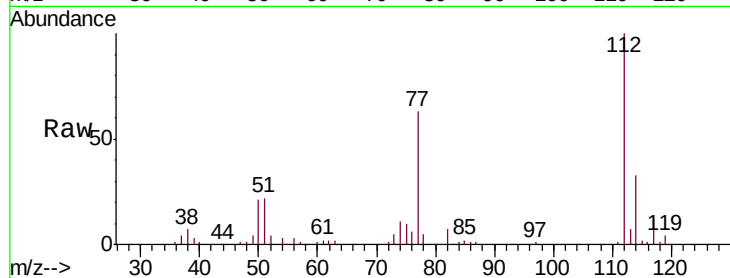




#65
Chlorobenzene
Concen: 20.809 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

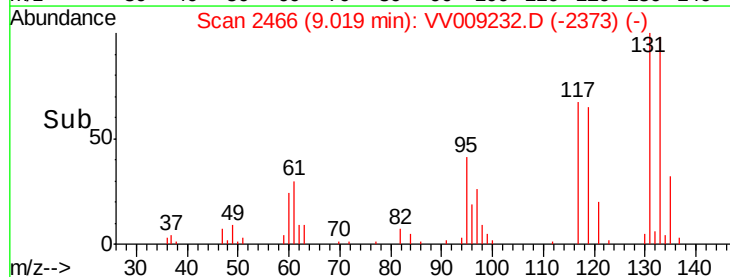
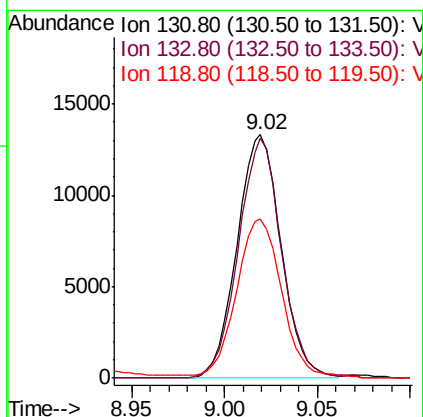
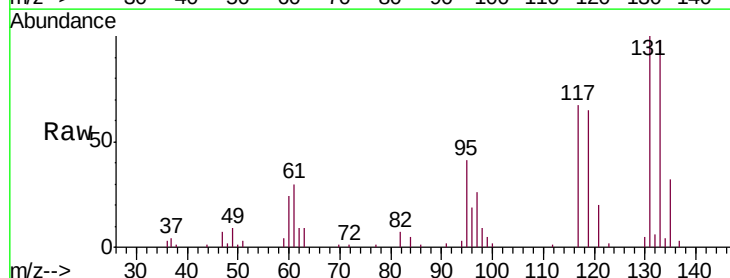
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

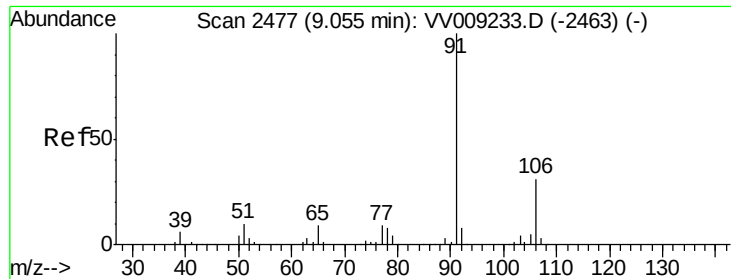
Tgt Ion:112 Resp: 65404
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.391 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion:131 Resp: 22023
Ion Ratio Lower Upper
131 100
133 96.8 48.3 144.9
119 67.3 31.2 93.6





#67

Ethyl Benzene

Concen: 20.991 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

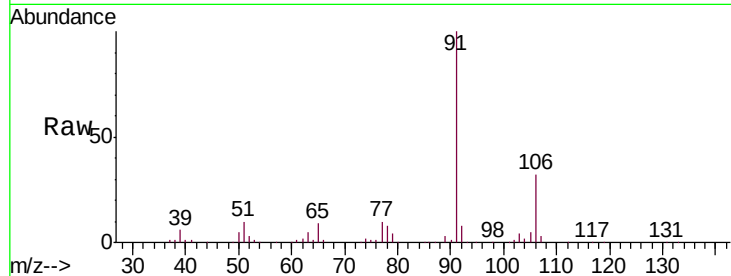
VSTDIC020

Tgt Ion: 91 Resp: 117200

Ion Ratio Lower Upper

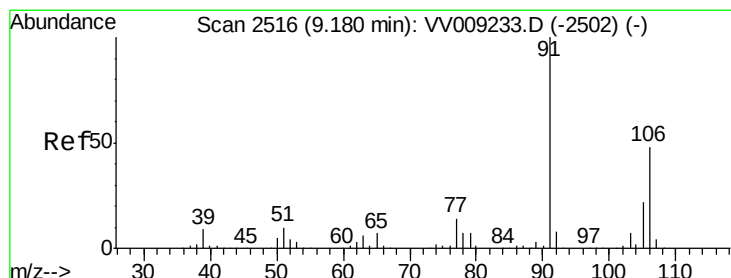
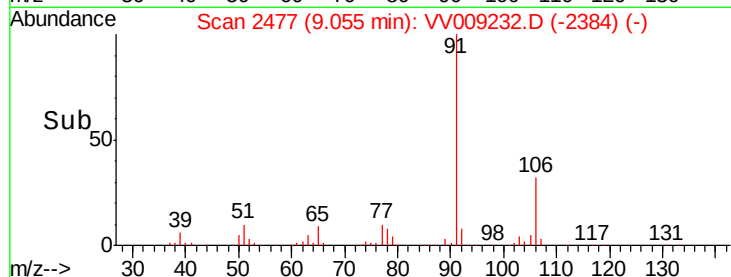
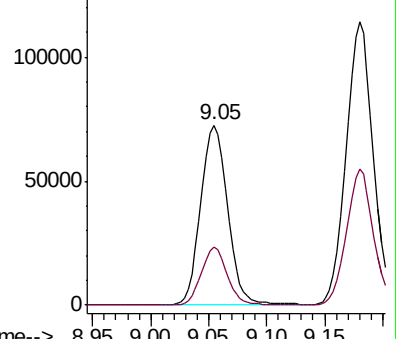
91 100

106 32.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV009233.D (-2463) (-)



#68

m/p-Xylenes

Concen: 43.173 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009232.D

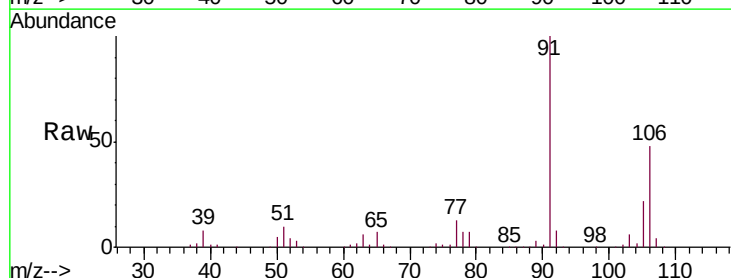
Acq: 22 Jan 2019 12:57

Tgt Ion: 106 Resp: 90445

Ion Ratio Lower Upper

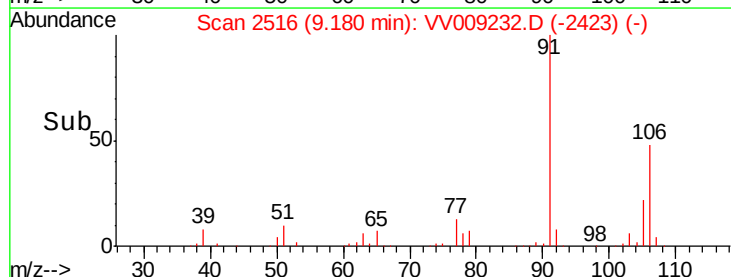
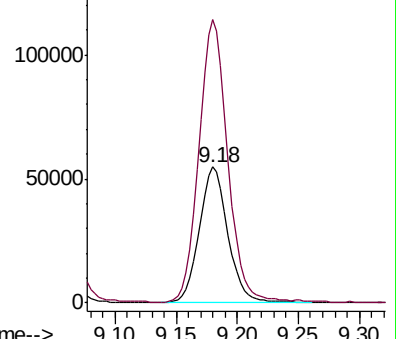
106 100

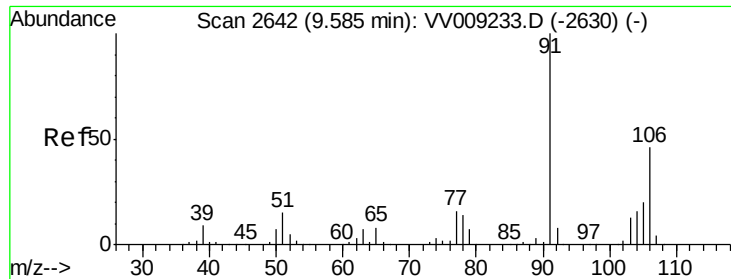
91 206.6 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VV009233.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV009233.D (-2502) (-)

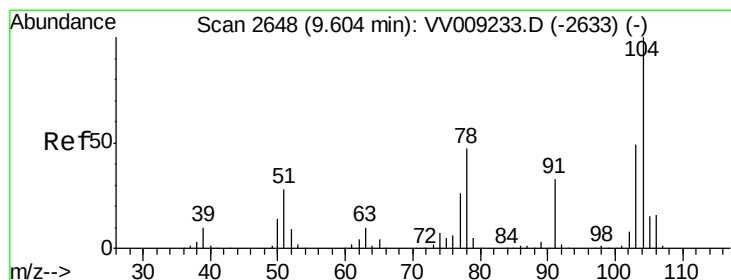
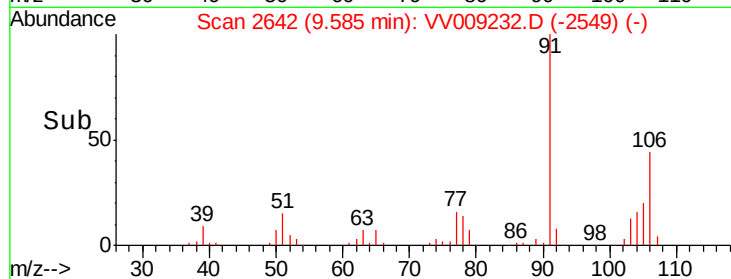
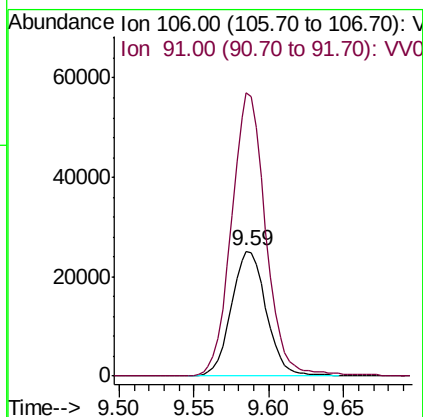
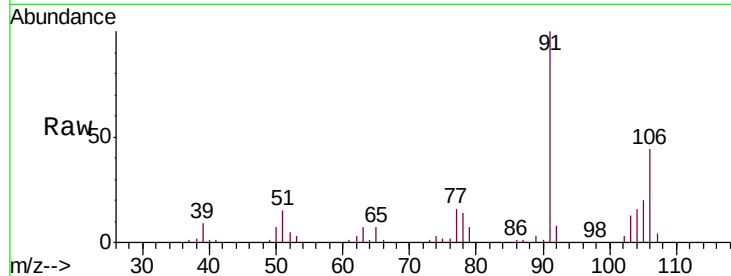




#69
o-Xylene
Concen: 20.944 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

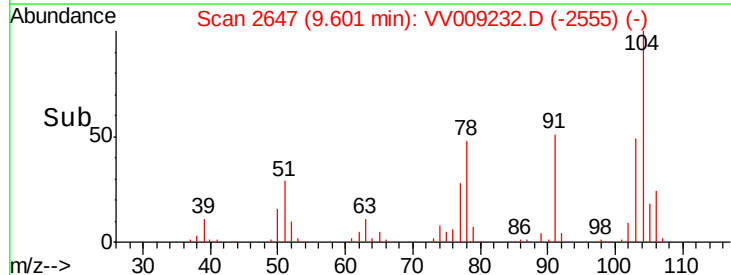
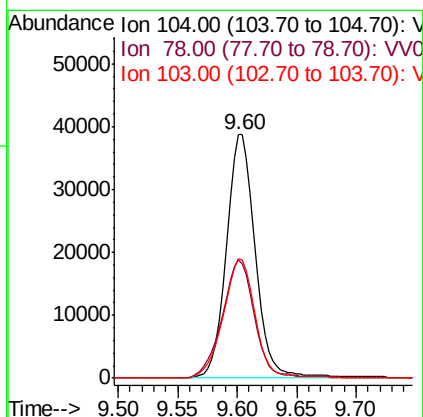
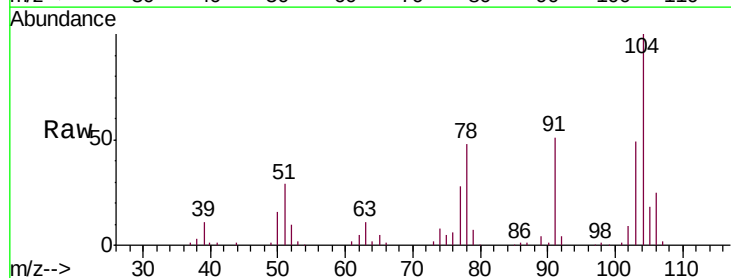
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

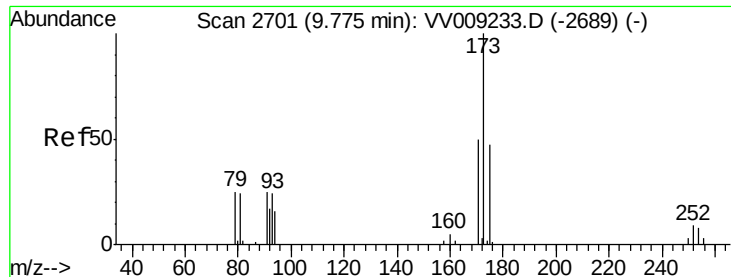
Tgt Ion:106 Resp: 40877
Ion Ratio Lower Upper
106 100
91 223.1 109.3 327.8



#70
Styrene
Concen: 20.462 ug/l
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion:104 Resp: 65113
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 54.4 43.8 65.8





#71

Bromoform

Concen: 19.561 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

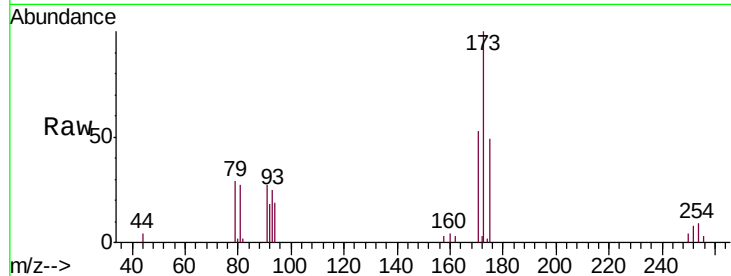
Tgt Ion:173 Resp: 10321

Ion Ratio Lower Upper

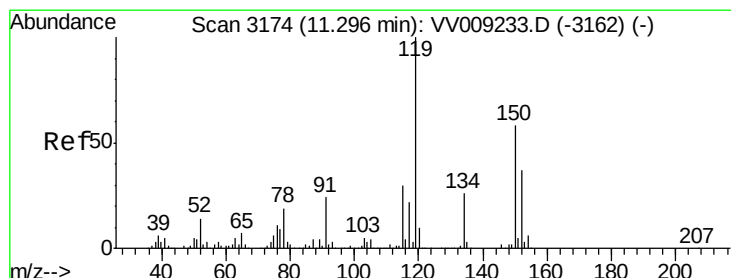
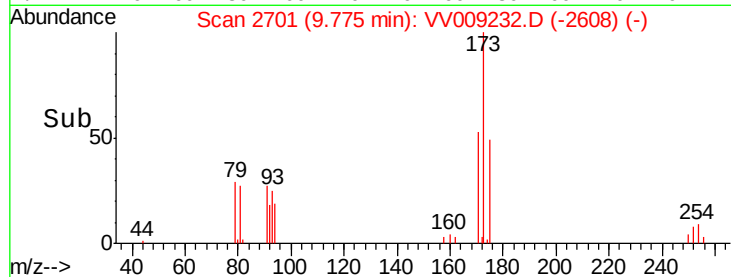
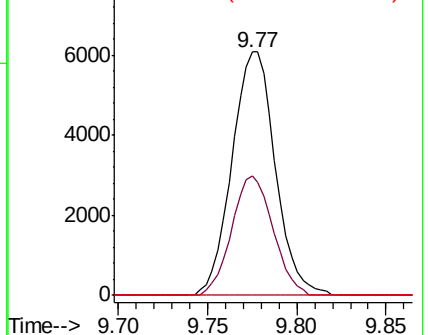
173 100

175 46.5 23.4 70.0

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: VV009232.D

Acq: 22 Jan 2019 12:57

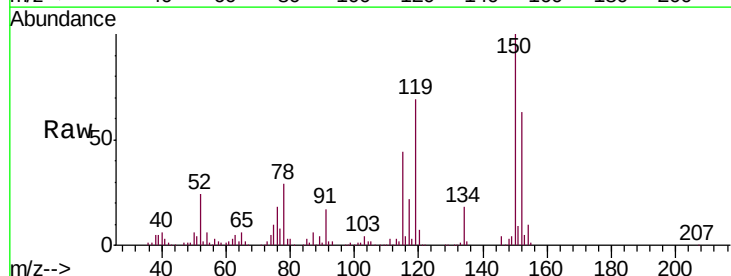
Tgt Ion:152 Resp: 69260

Ion Ratio Lower Upper

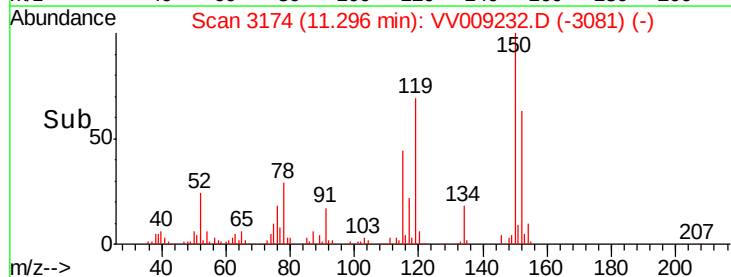
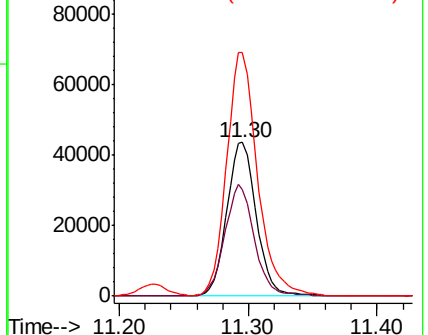
152 100

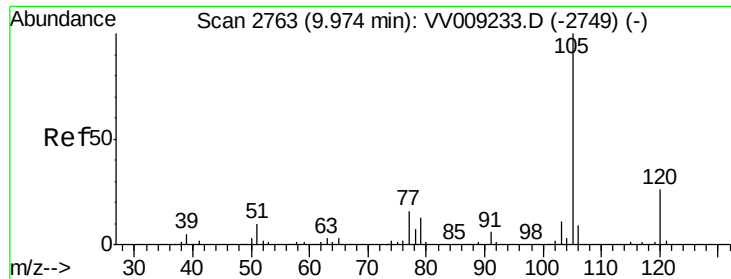
115 72.5 45.0 134.8

150 165.9 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.501 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

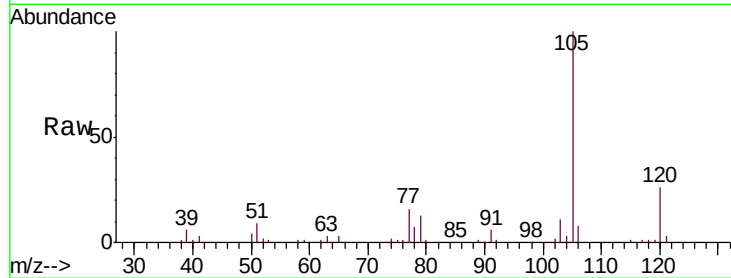
VSTDIC020

Tgt Ion:105 Resp: 117922

Ion Ratio Lower Upper

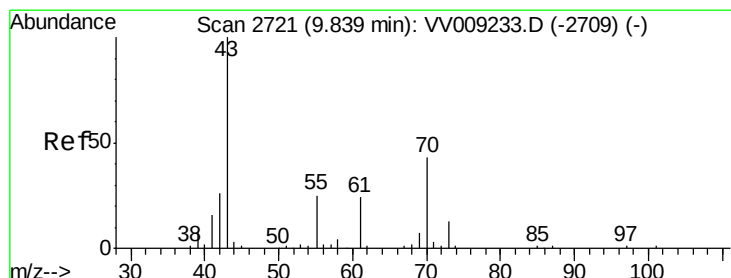
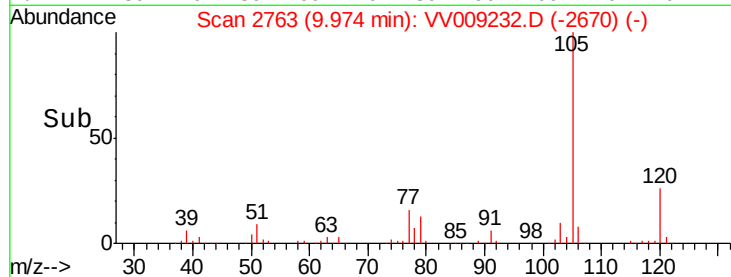
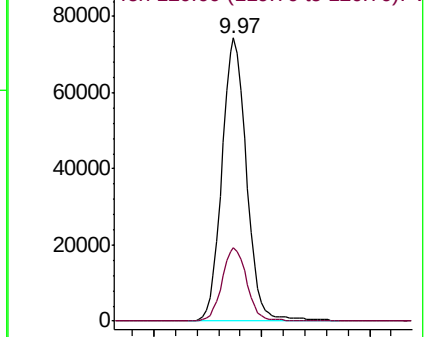
105 100

120 26.2 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 17.052 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Tgt Ion: 43 Resp: 19756

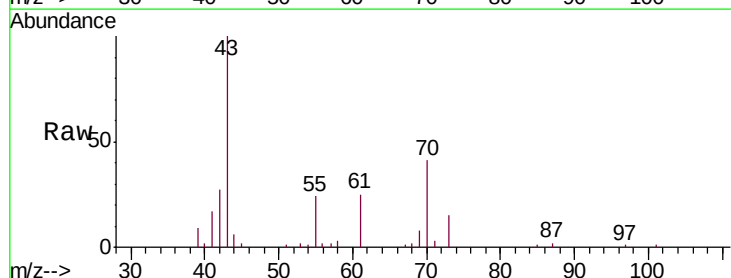
Ion Ratio Lower Upper

43 100

70 41.7 33.0 49.6

55 24.7 18.7 28.1

61 24.3 18.0 27.0

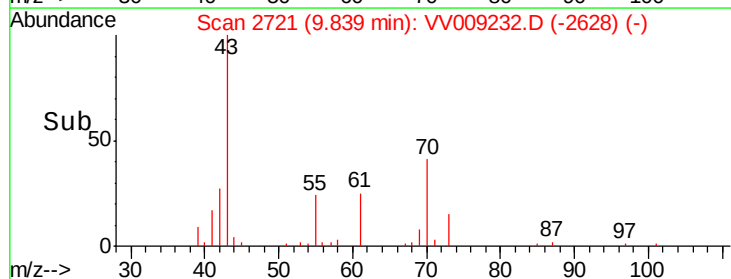
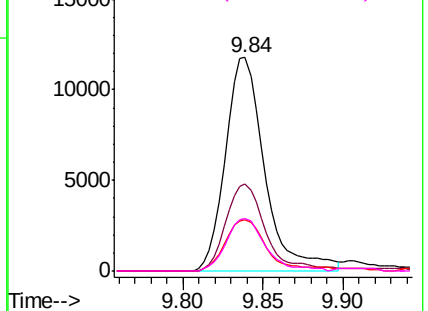


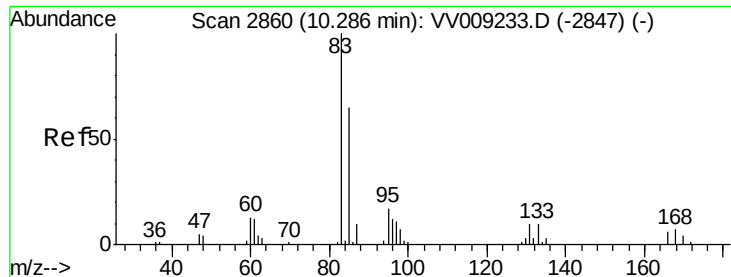
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.784 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

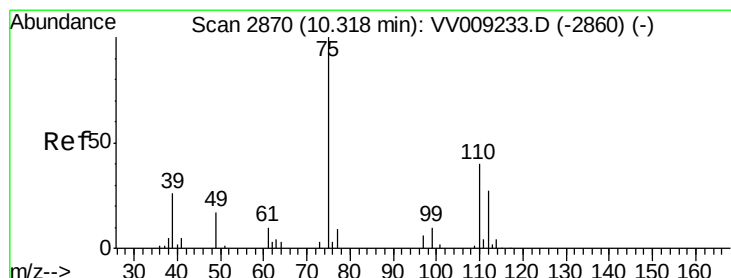
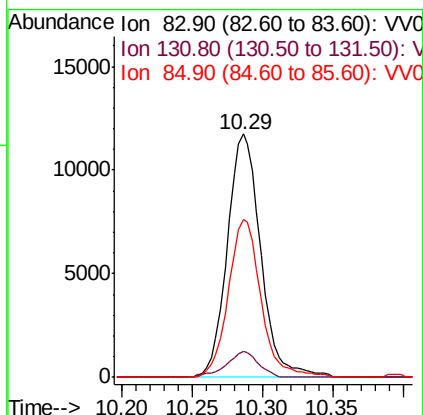
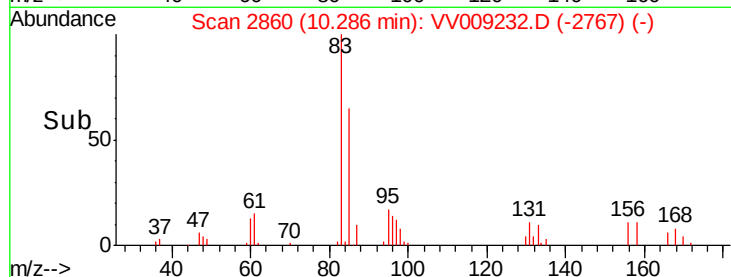
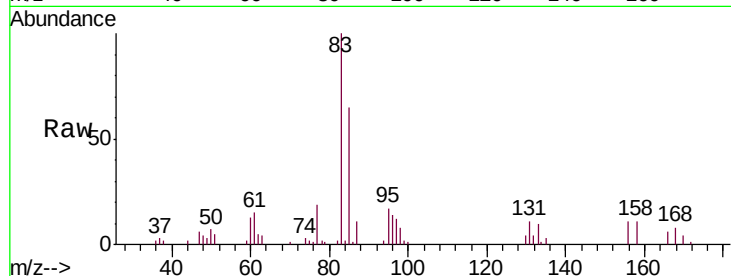
Tgt Ion: 83 Resp: 19432

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

85 63.5 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 26.405 ug/l

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009232.D

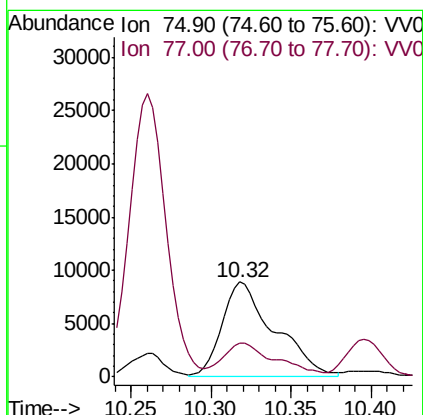
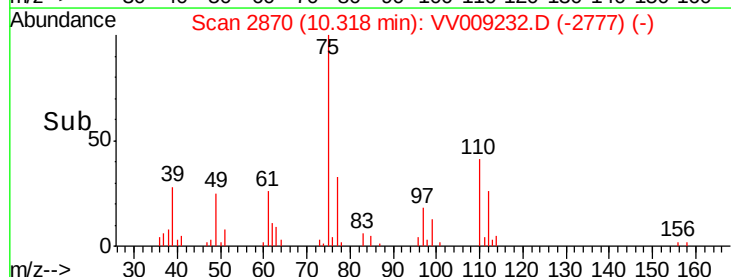
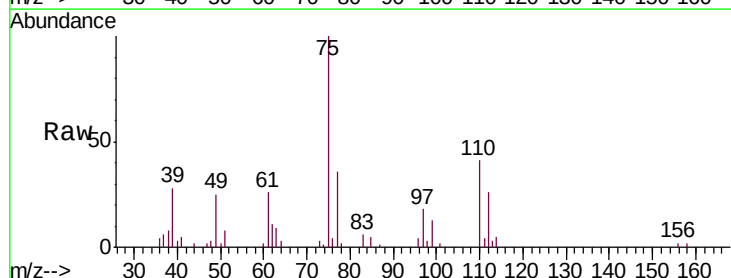
Acq: 22 Jan 2019 12:57

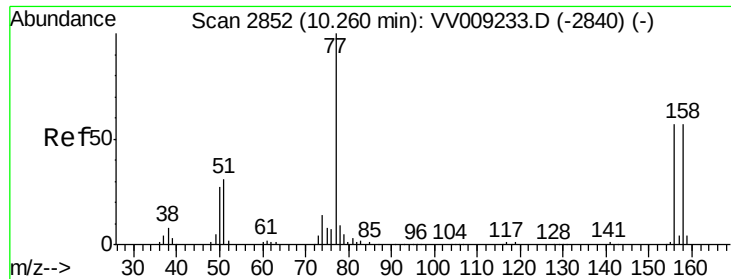
Tgt Ion: 75 Resp: 20180

Ion Ratio Lower Upper

75 100

77 36.7 24.6 73.8





#77

Bromobenzene

Concen: 20.198 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

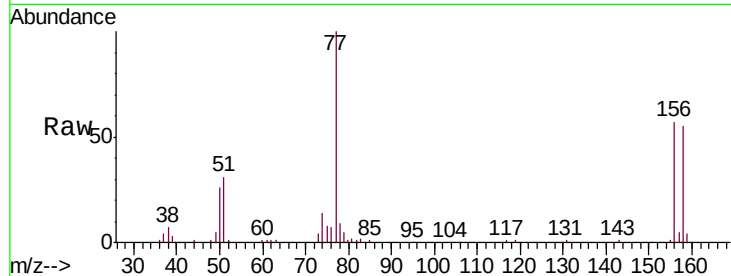
Tgt Ion:156 Resp: 24596

Ion Ratio Lower Upper

156 100

77 174.0 86.0 258.0

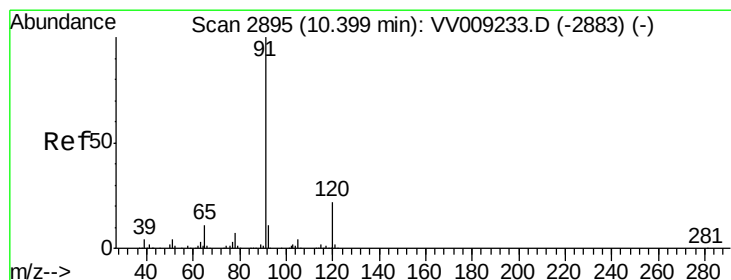
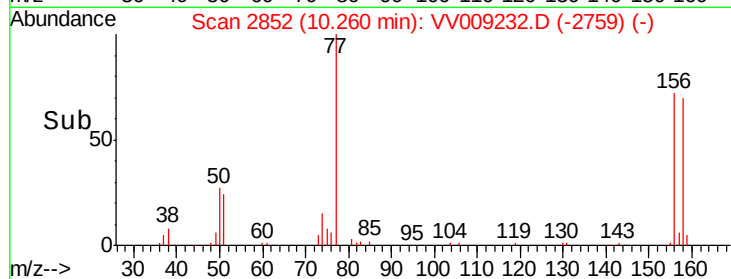
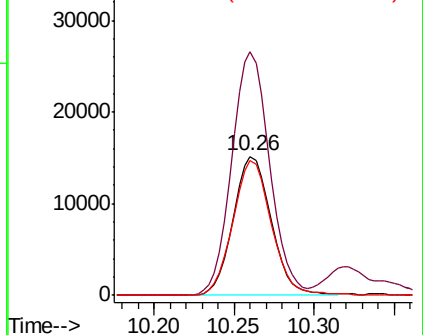
158 98.1 49.8 149.3



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: 21.471 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009232.D

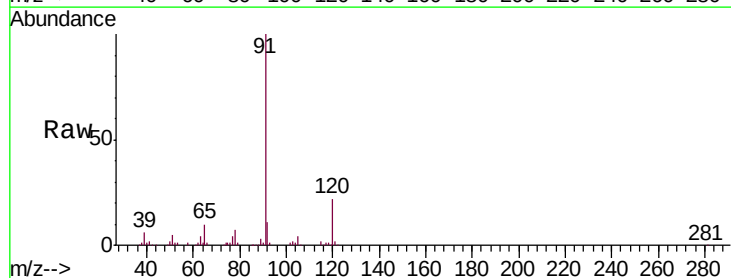
Acq: 22 Jan 2019 12:57

Tgt Ion: 91 Resp: 139541

Ion Ratio Lower Upper

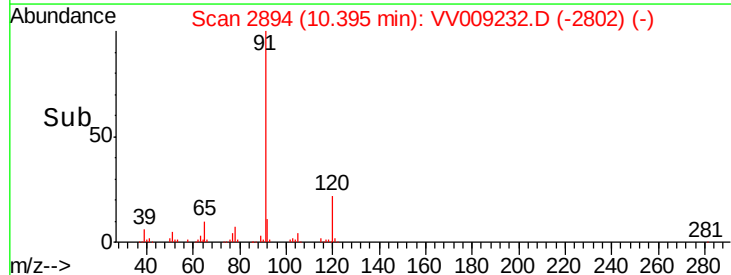
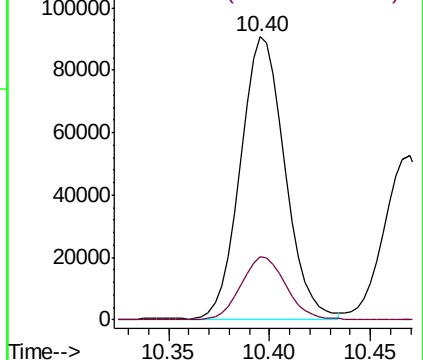
91 100

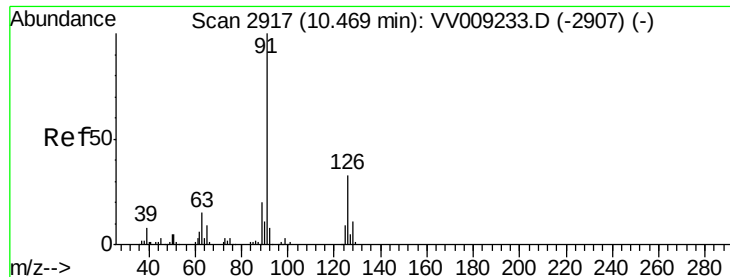
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.444 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

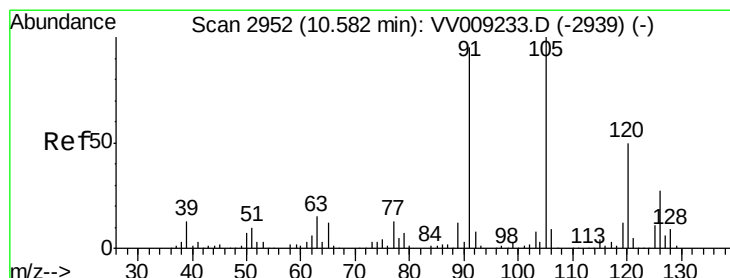
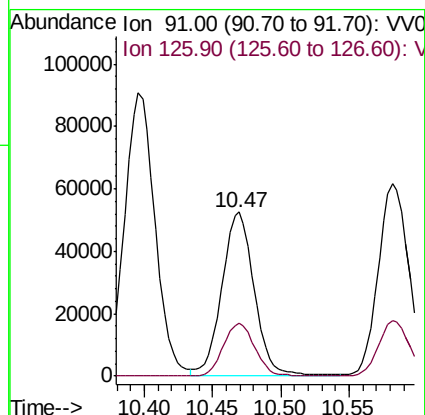
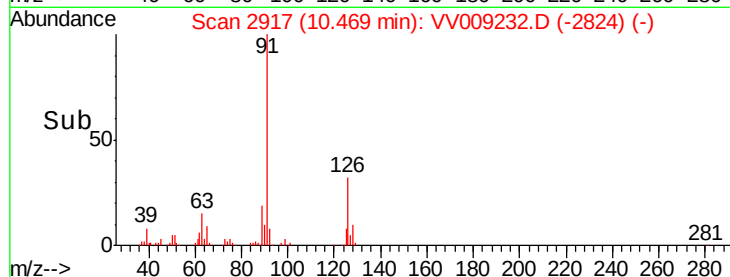
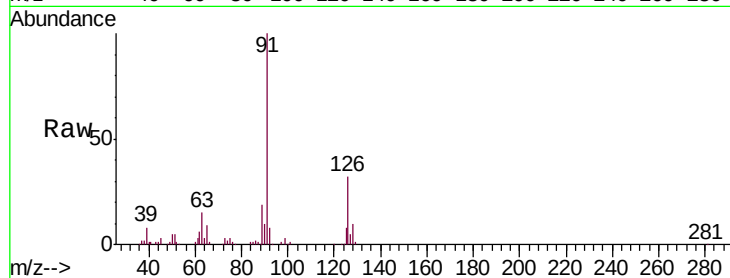
VSTDIC020

Tgt Ion: 91 Resp: 85978

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 21.495 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009232.D

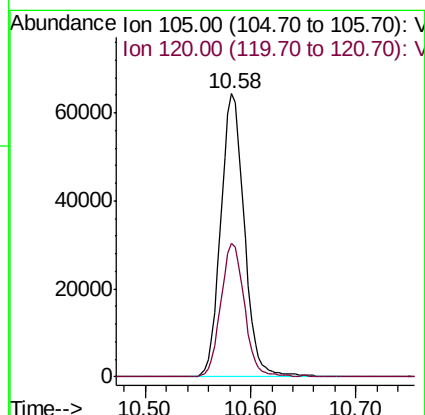
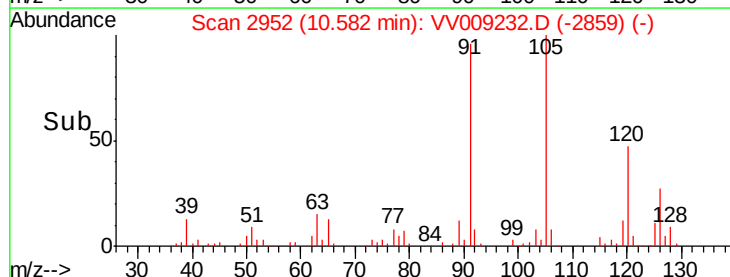
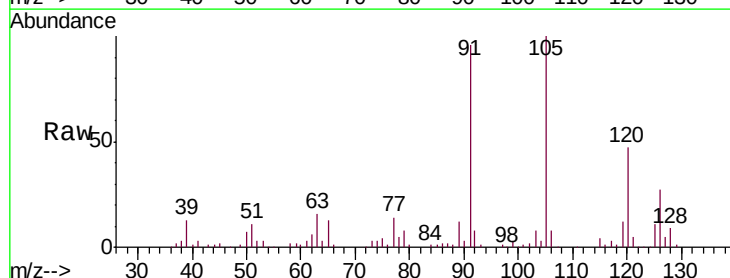
Acq: 22 Jan 2019 12:57

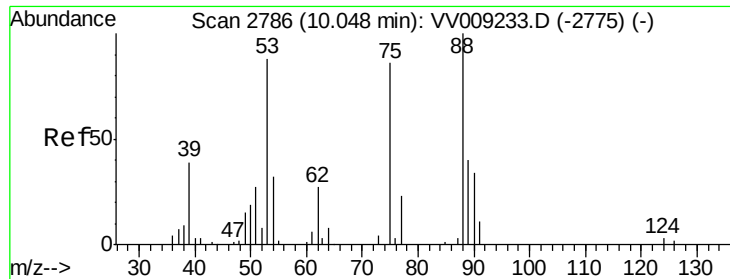
Tgt Ion: 105 Resp: 99907

Ion Ratio Lower Upper

105 100

120 47.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.747 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

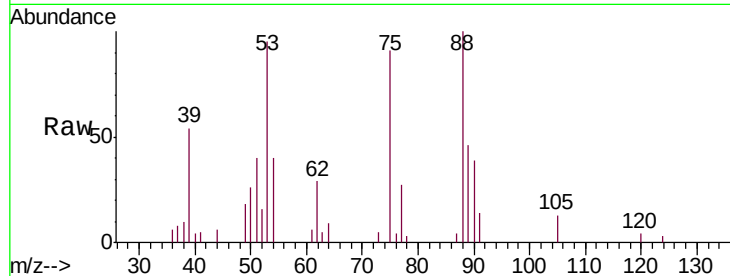
Tgt Ion: 75 Resp: 5167

Ion Ratio Lower Upper

75 100

53 107.8 82.1 123.1

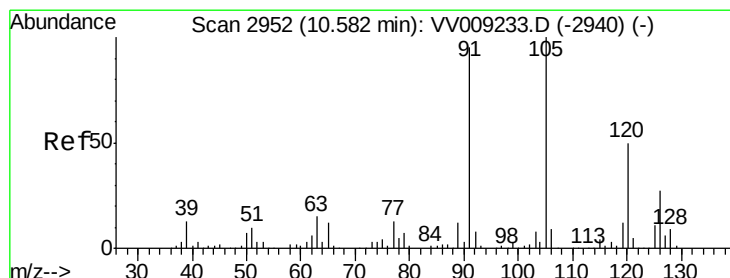
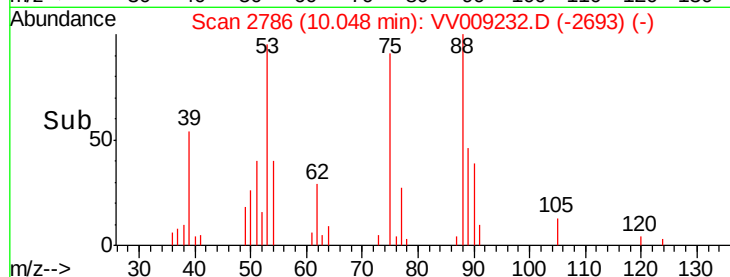
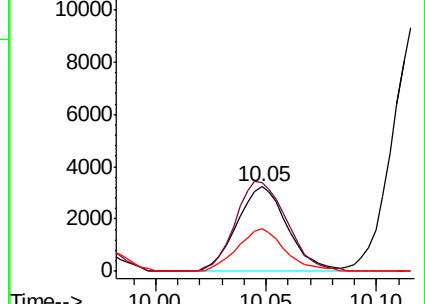
89 47.3 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VV009233.D (-2775) (-)

Ion 88.90 (88.60 to 89.60): VV009233.D (-2775) (-)



#82

4-Chlorotoluene

Concen: 20.840 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV009232.D

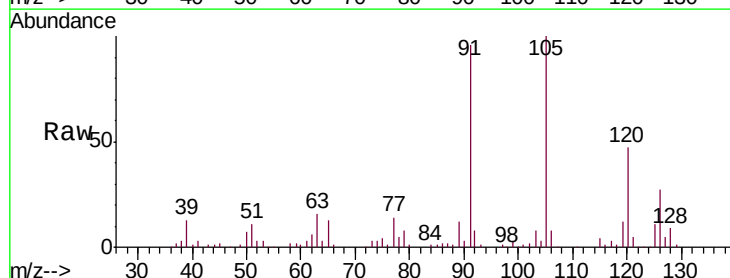
Acq: 22 Jan 2019 12:57

Tgt Ion: 91 Resp: 99520

Ion Ratio Lower Upper

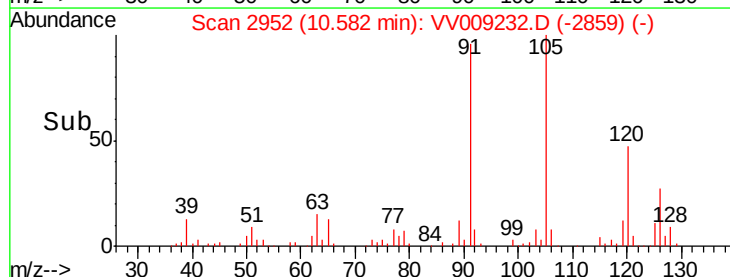
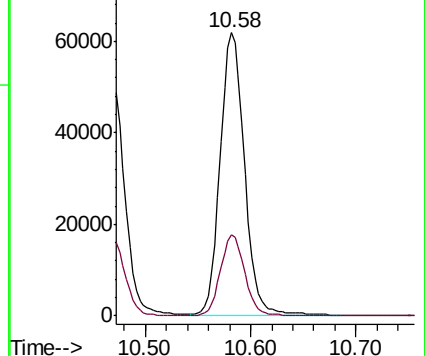
91 100

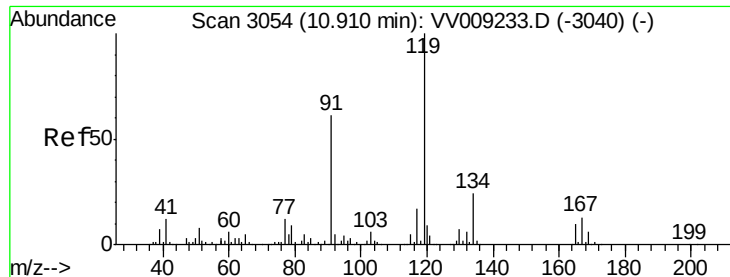
126 27.8 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV009233.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009233.D (-2940) (-)

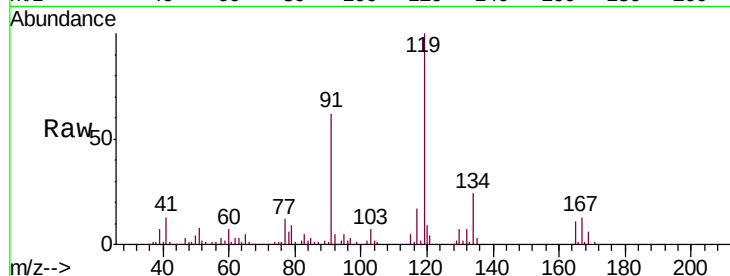




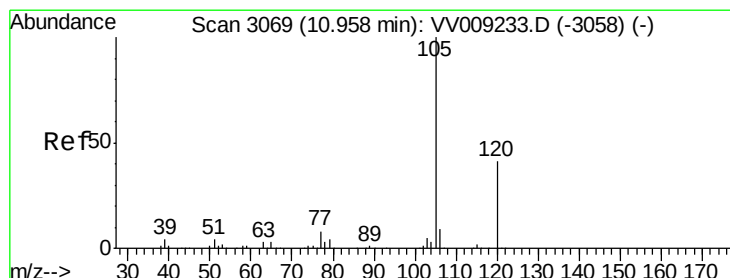
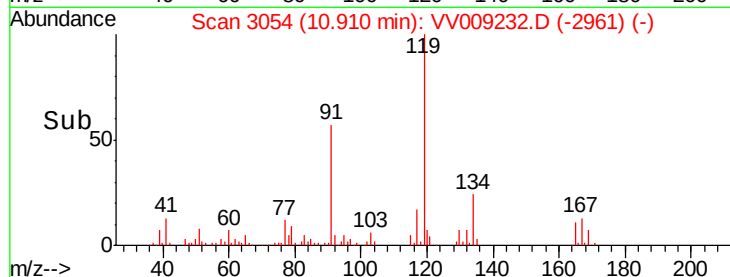
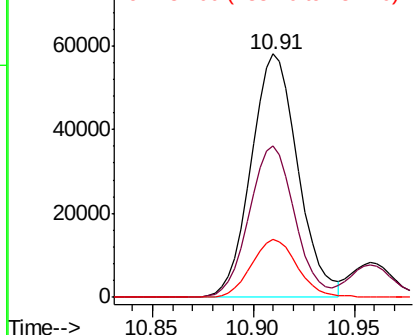
#83
 tert-Butylbenzene
 Concen: 21.278 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 94033
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.0 90.1
 134 23.7 11.9 35.7

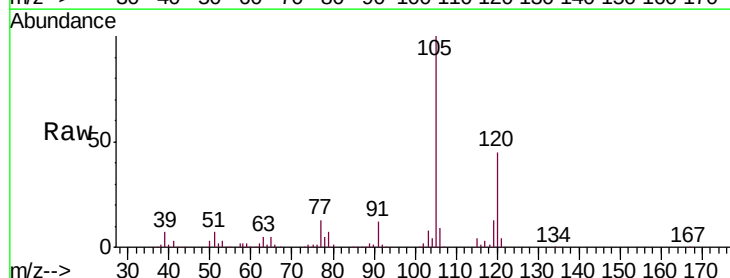


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VV0
 Ion 134.00 (133.70 to 134.70): V

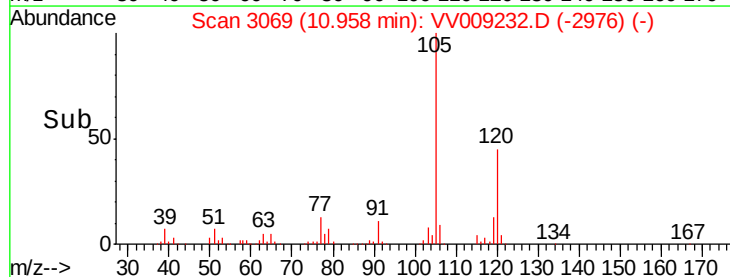
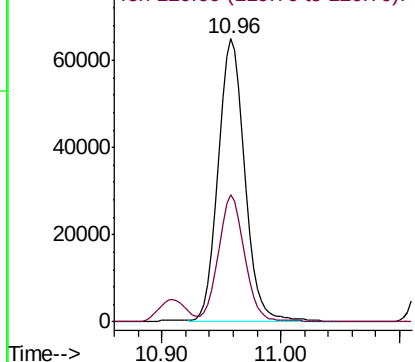


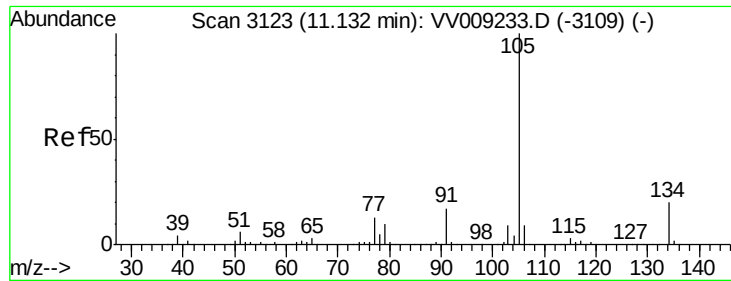
#84
 1,2,4-Trimethylbenzene
 Concen: 21.172 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion:105 Resp: 101415
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.6 67.7



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

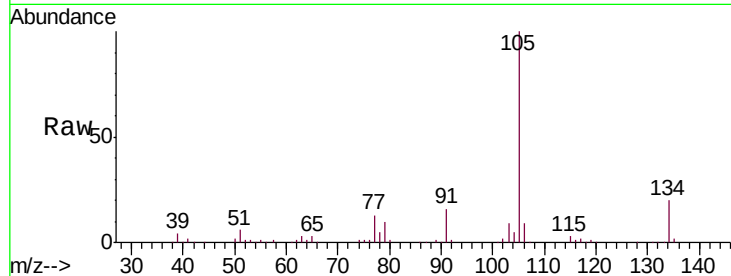




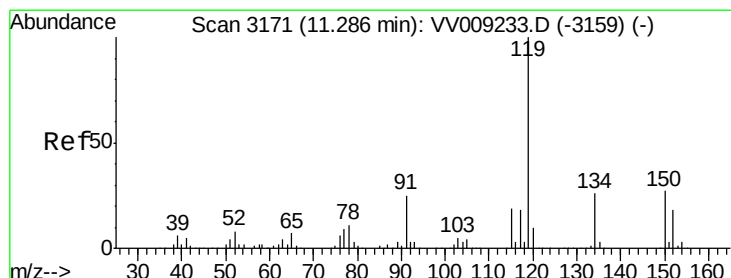
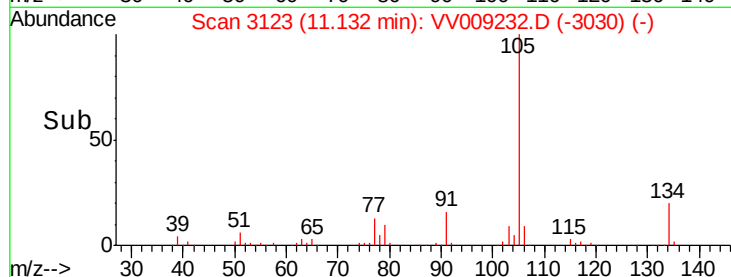
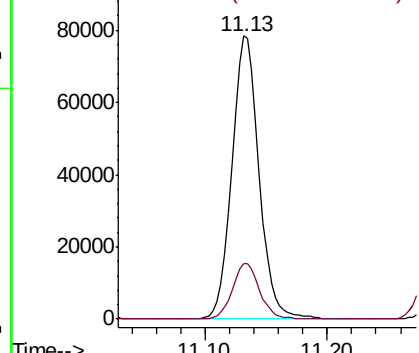
#85
 sec-Butylbenzene
 Concen: 21.556 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 122448
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.3

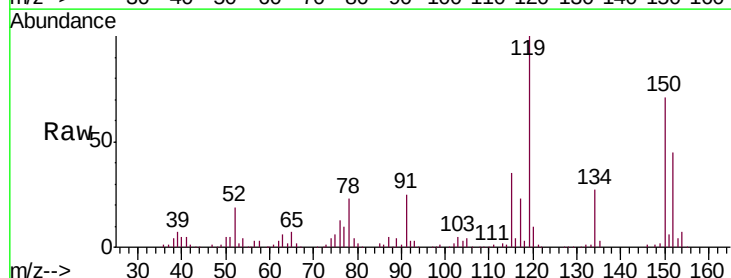


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

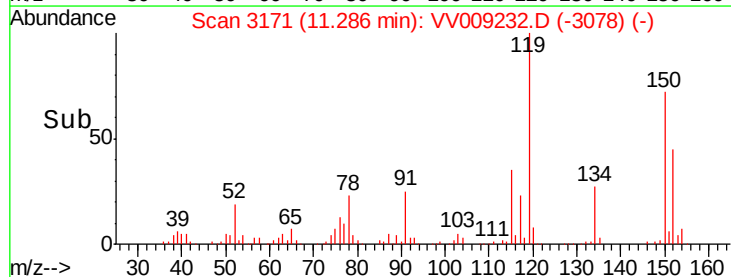
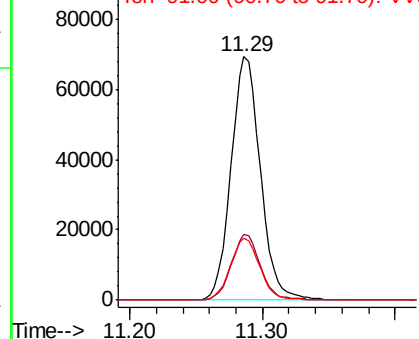


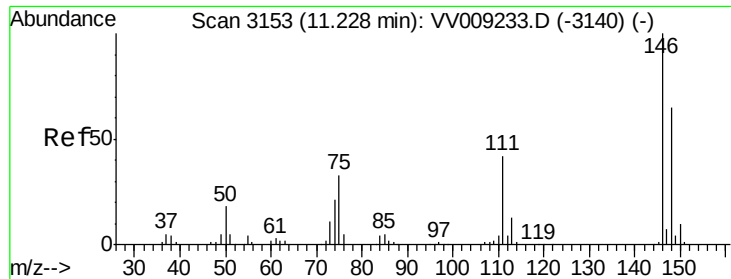
#86
 p-Isopropyltoluene
 Concen: 21.214 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion:119 Resp: 106840
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.0 38.9
 91 25.4 12.4 37.2



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

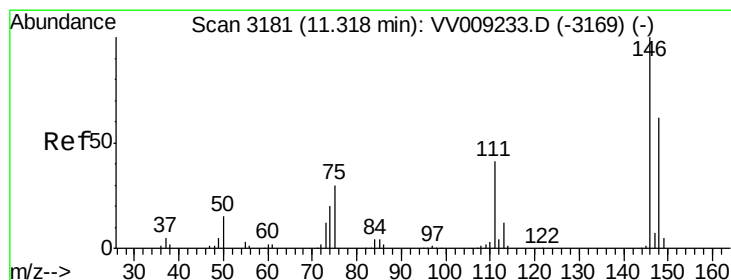
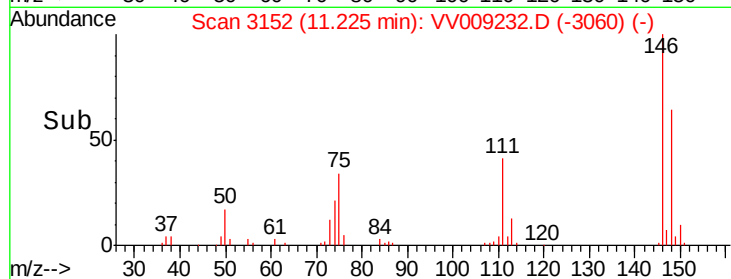
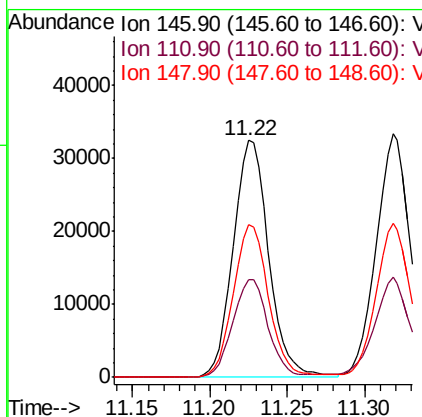
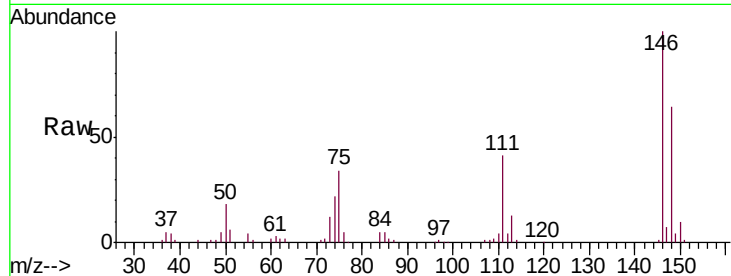




#87
 1,3-Dichlorobenzene
 Concen: 20.829 ug/l
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

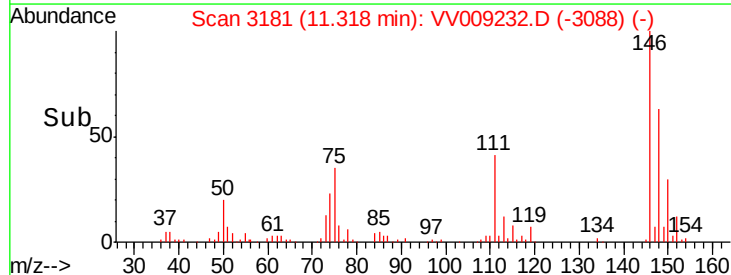
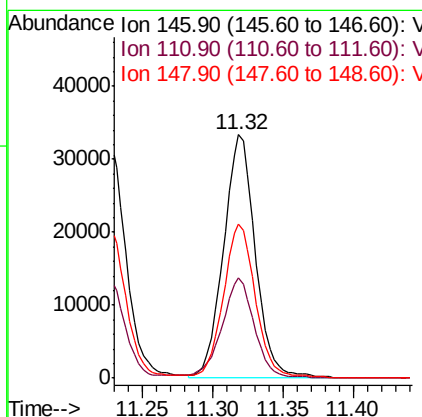
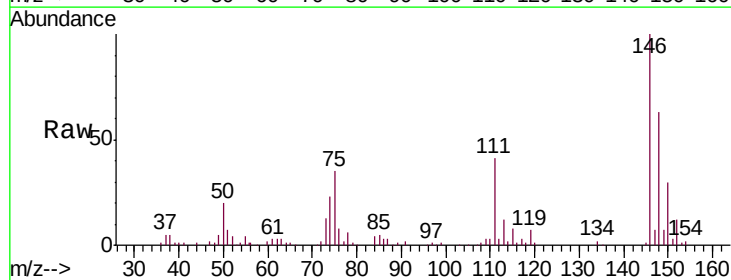
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

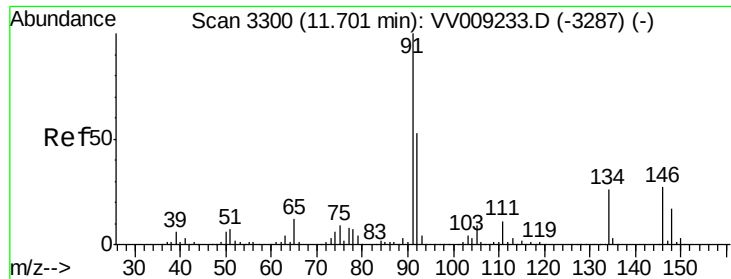
Tgt Ion:146 Resp: 51822
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.4
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.838 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion:146 Resp: 52614
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.5 61.5
 148 64.0 31.4 94.3

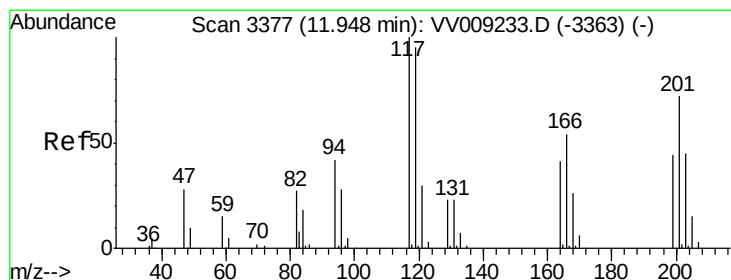
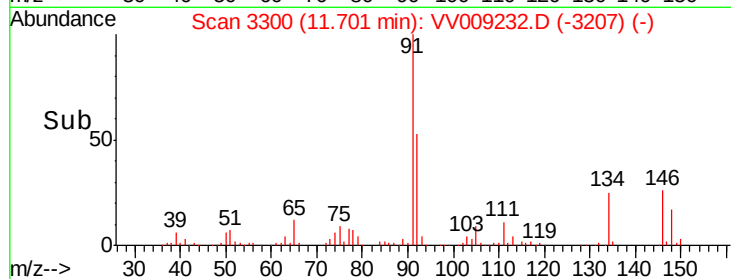
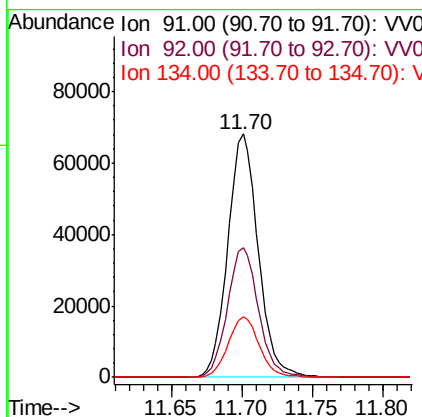
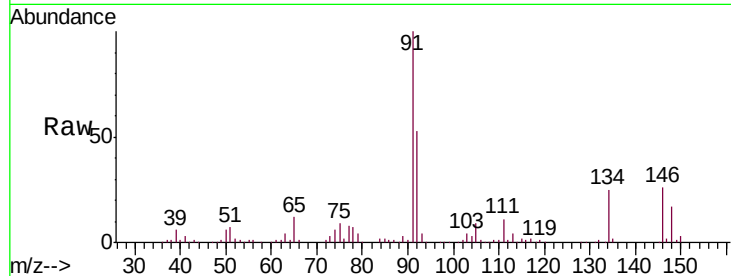




#89
n-Butylbenzene
Concen: 20.800 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

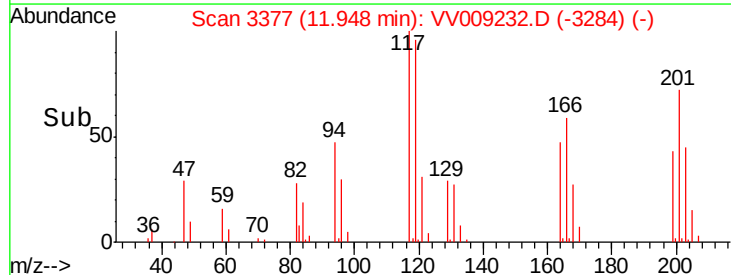
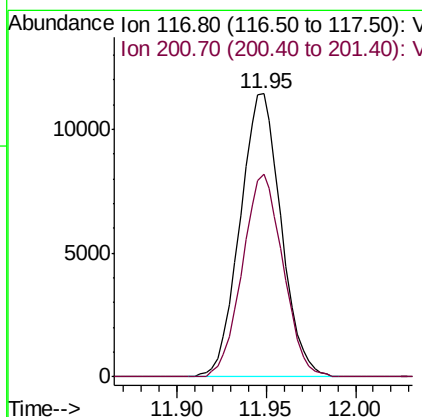
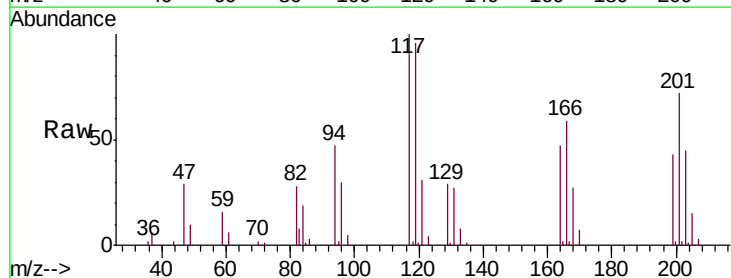
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

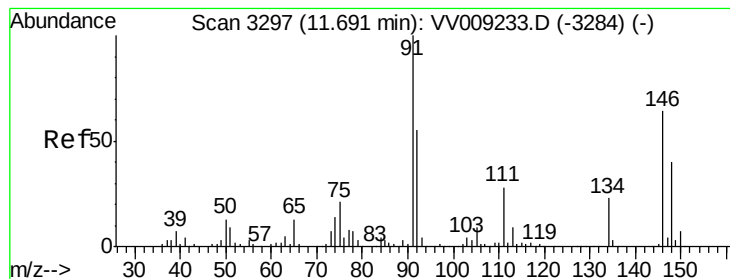
Tgt Ion: 91 Resp: 103177
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.5
134 25.3 12.6 37.8



#90
Hexachloroethane
Concen: 20.312 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009232.D
Acq: 22 Jan 2019 12:57

Tgt Ion: 117 Resp: 18451
Ion Ratio Lower Upper
117 100
201 70.6 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 20.164 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

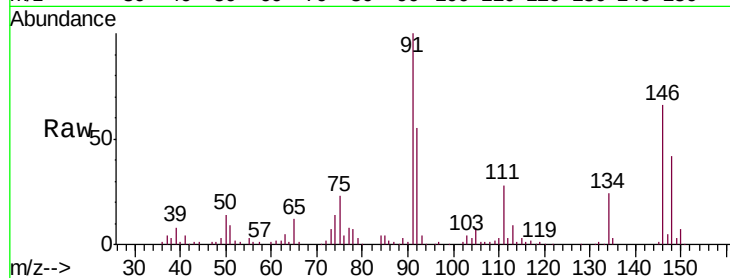
Tgt Ion:146 Resp: 44862

Ion Ratio Lower Upper

146 100

111 43.3 21.9 65.8

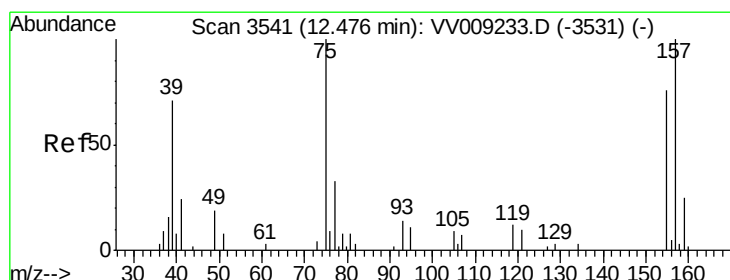
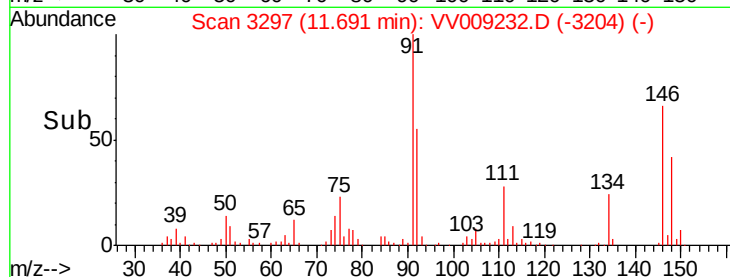
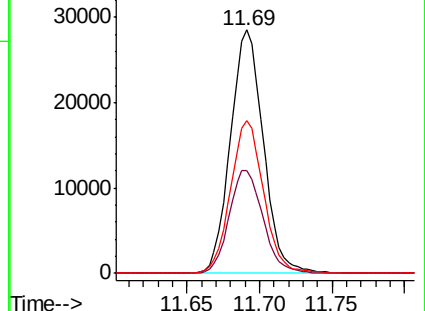
148 62.9 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.443 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

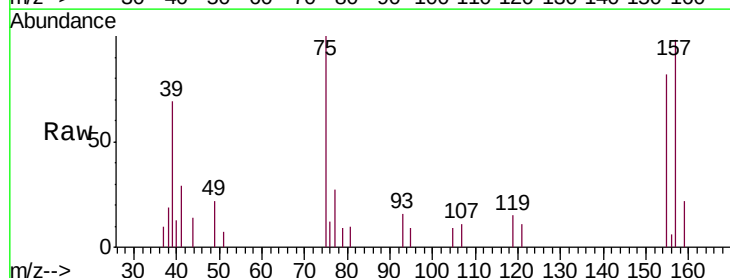
Tgt Ion: 75 Resp: 3138

Ion Ratio Lower Upper

75 100

155 77.0 38.0 114.0

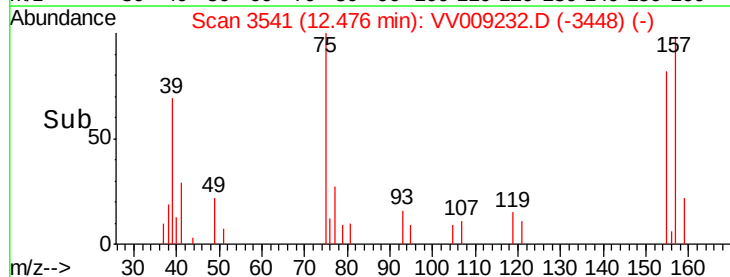
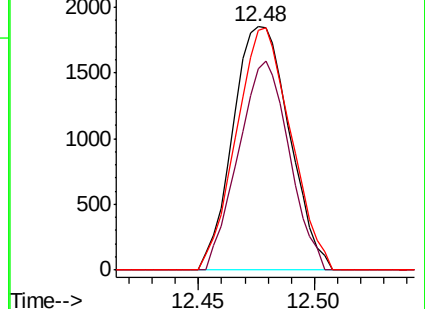
157 95.9 50.8 152.4

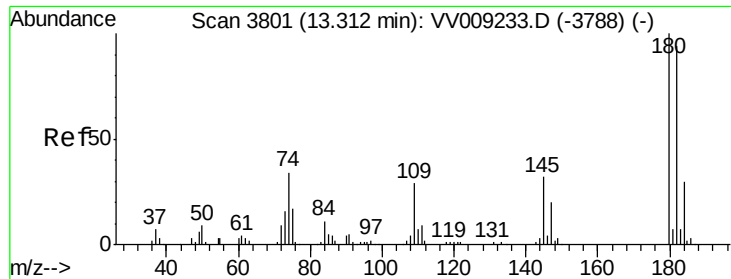


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

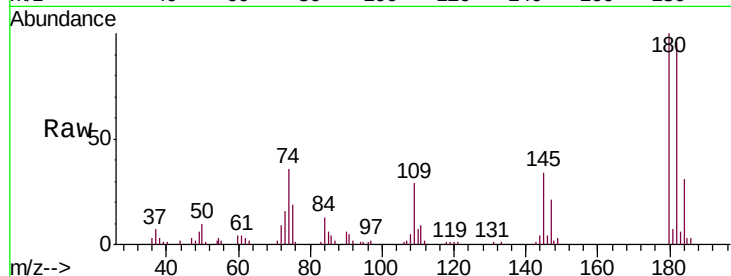




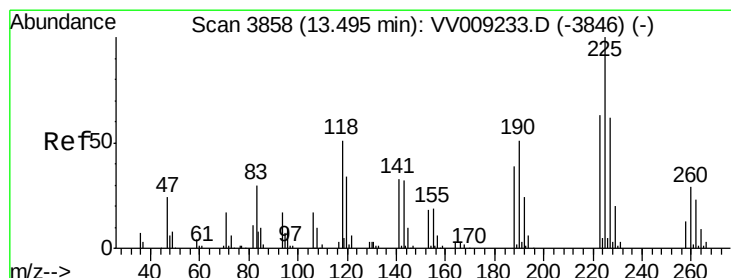
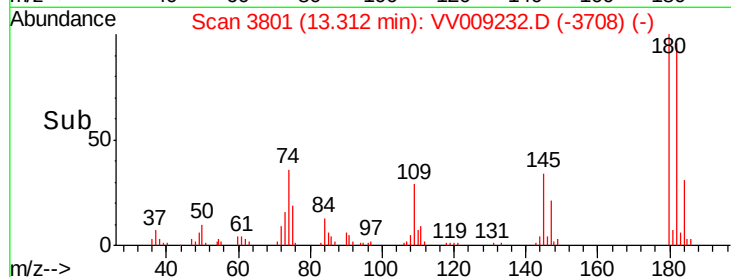
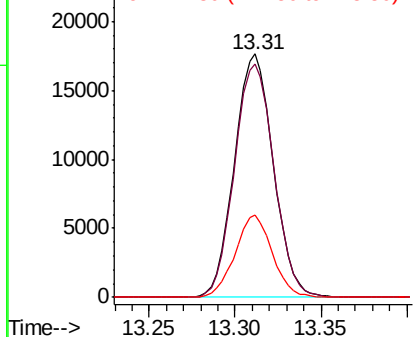
#93
 1,2,4-Trichlorobenzene
 Concen: 18.324 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 27804
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.1 141.4
 145 32.1 16.0 48.0

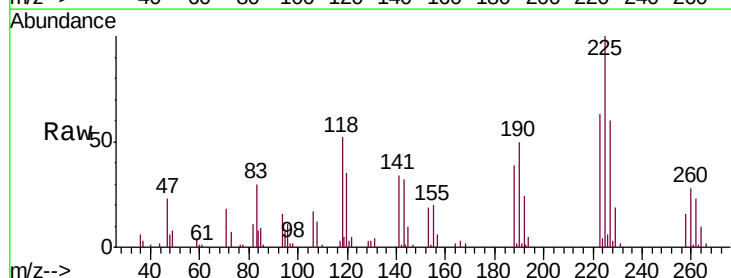


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

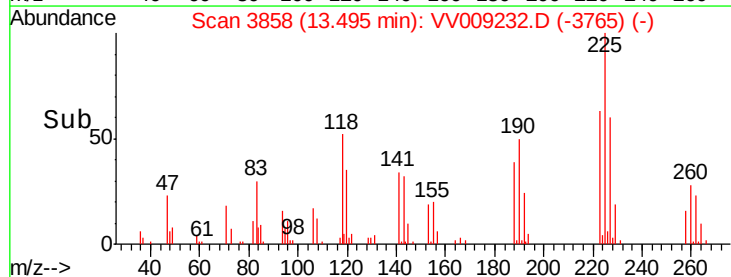
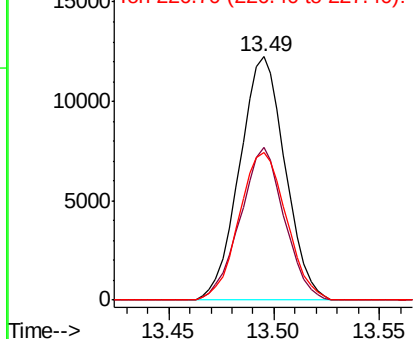


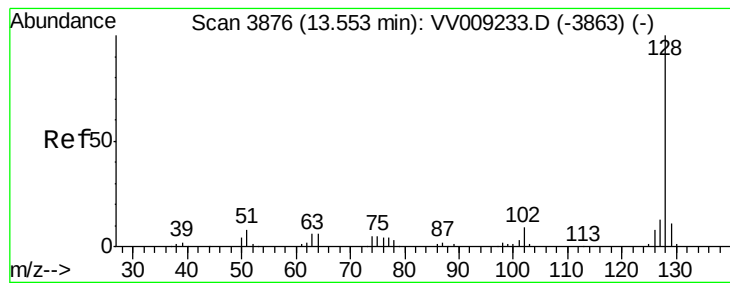
#94
 Hexachlorobutadiene
 Concen: 21.460 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009232.D
 Acq: 22 Jan 2019 12:57

Tgt Ion:225 Resp: 18386
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.7 95.1
 227 62.8 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.110 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

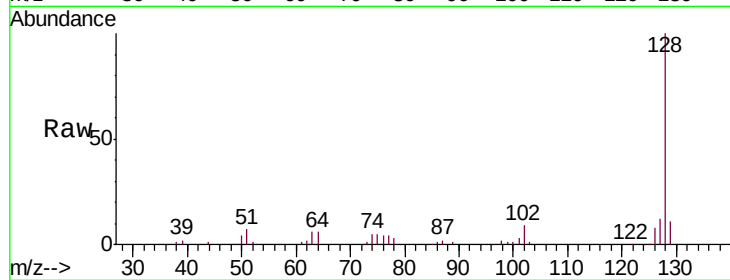
Tgt Ion:128 Resp: 45559

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

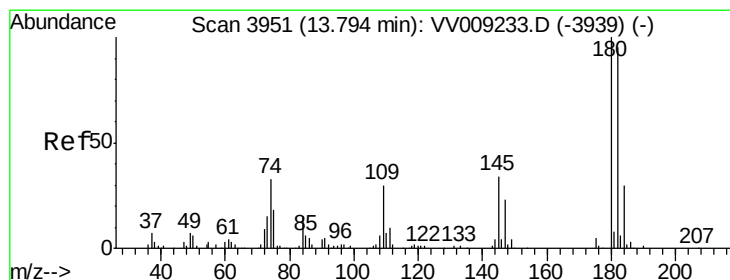
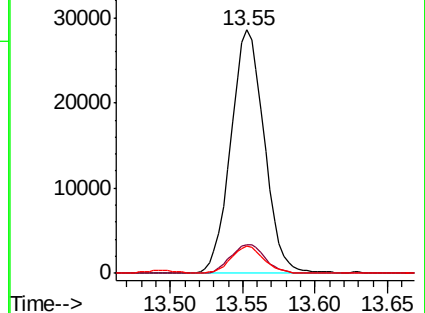
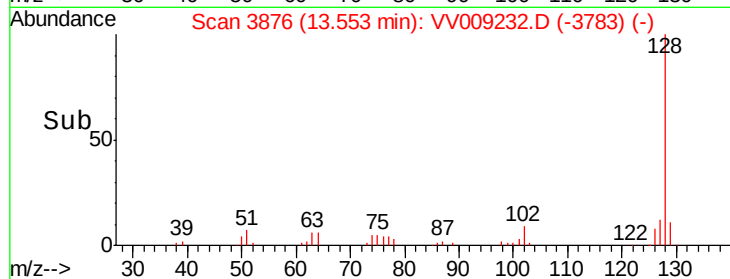
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.427 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009232.D

Acq: 22 Jan 2019 12:57

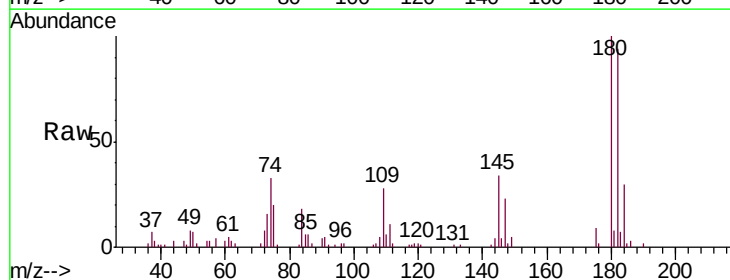
Tgt Ion:180 Resp: 23734

Ion Ratio Lower Upper

180 100

182 93.5 47.4 142.2

145 33.2 17.2 51.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

