

Data File : VV009256.D
Acq On : 24 Jan 2019 13:20
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Quant Time: Jan 24 22:55:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012419S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 24 22:50:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	84070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	138199	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	127309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	21345	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	
35) Dibromofluoromethane	4.64	113	18779	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	
50) Toluene-d8	7.36	98	73541	20.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.36%	
62) 4-Bromofluorobenzene	10.12	95	27207	20.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	12981	18.500	ug/l	90
3) Chloromethane	1.25	50	18557	20.025	ug/l	98
4) Vinyl Chloride	1.32	62	19440	18.861	ug/l	99
5) Bromomethane	1.53	94	10693	18.466	ug/l	96
6) Chloroethane	1.59	64	10430	18.392	ug/l	97
7) Trichlorofluoromethane	1.76	101	9009	13.266	ug/l	92
8) Diethyl Ether	1.96	74	9470	20.793	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.13	101	16482	18.463	ug/l	96
10) Methyl Iodide	2.25	142	25619	17.998	ug/l	100
11) Tert butyl alcohol	2.66	59	8465	109.787	ug/l	98
12) 1,1-Dichloroethene	2.14	96	17235	19.593	ug/l	97
13) Acrolein	2.05	56	5270	89.847	ug/l	99
14) Allyl chloride	2.41	41	24979	16.918	ug/l	99
15) Acrylonitrile	2.76	53	21161	105.302	ug/l	94
16) Acetone	2.17	43	26190	95.511	ug/l	99
17) Carbon Disulfide	2.32	76	45671	17.131	ug/l	97
18) Methyl Acetate	2.44	43	14264	19.314	ug/l	99
19) Methyl tert-butyl Ether	2.79	73	26834	19.504	ug/l	98
20) Methylene Chloride	2.52	84	17980	17.583	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	17221	18.378	ug/l	95
22) Diisopropyl ether	3.32	45	62535	19.574	ug/l	98
23) Vinyl Acetate	3.30	43	190947	107.538	ug/l	99
24) 1,1-Dichloroethane	3.21	63	37015	18.648	ug/l	99
25) 2-Butanone	4.02	43	38399	118.978	ug/l	98
26) 2,2-Dichloropropane	3.95	77	19835	18.142	ug/l	99
27) cis-1,2-Dichloroethene	3.95	96	22575	19.821	ug/l	98
28) Bromochloromethane	4.29	49	14831	19.731	ug/l	99
29) Tetrahydrofuran	4.39	42	21265	118.864	ug/l	99
30) Chloroform	4.42	83	39022	19.620	ug/l	97
31) Cyclohexane	4.71	56	35905	19.784	ug/l	98
32) 1,1,1-Trichloroethane	4.64	97	30410	18.345	ug/l	98
36) 1,1-Dichloropropene	4.87	75	29023	19.323	ug/l	98
37) Ethyl Acetate	4.12	43	15284	25.103	ug/l #	95
38) Carbon Tetrachloride	4.87	117	29167	19.594	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	36644	20.526	ug/l	97
40) Benzene	5.14	78	86013	20.420	ug/l	97
41) Methacrylonitrile	4.31	41	8298	22.969	ug/l	96
42) 1,2-Dichloroethane	5.17	62	26505	20.093	ug/l	100
43) Isopropyl Acetate	5.33	43	28330	23.928	ug/l	99
44) Trichloroethene	5.95	130	22823	20.547	ug/l	97
45) 1,2-Dichloropropane	6.22	63	21572	21.202	ug/l	99
46) Dibromomethane	6.35	93	12079	22.829	ug/l	99
47) Bromodichloromethane	6.55	83	27829	20.257	ug/l	97
48) Methyl methacrylate	6.42	41	13759	22.888	ug/l	97
49) 1,4-Dioxane	6.41	88	3415	481.580	ug/l #	81
51) 4-Methyl-2-Pentanone	7.27	43	72427	119.912	ug/l	99
52) Toluene	7.43	92	53511	20.136	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	27418	20.359	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	31241	20.236	ug/l	100
55) 1,1,2-Trichloroethane	7.88	97	16520	22.012	ug/l	98
56) Ethyl methacrylate	7.83	69	19048	21.827	ug/l	97
57) 1,3-Dichloropropane	8.05	76	28951	21.547	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.94	63	1649	113.558	ug/l	98
59) 2-Hexanone	8.19	43	52823	121.483	ug/l	98
60) Dibromochloromethane	8.29	129	18324	21.028	ug/l	99
61) 1,2-Dibromoethane	8.40	107	16279	22.210	ug/l	98
64) Tetrachloroethene	8.02	164	18085	20.451	ug/l	99
65) Chlorobenzene	8.93	112	59163	20.420	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	20220	20.427	ug/l	100
67) Ethyl Benzene	9.05	91	102194	19.958	ug/l	99
68) m/p-Xylenes	9.18	106	79326	40.679	ug/l	100
69) o-Xylene	9.59	106	36292	20.096	ug/l	99
70) Styrene	9.60	104	58681	20.253	ug/l	98
71) Bromoform	9.77	173	10385	21.805	ug/l #	97
73) Isopropylbenzene	9.97	105	101640	19.760	ug/l	100
74) N-amyl acetate	9.84	43	22469	22.738	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	20605	22.837	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	22003	31.189	ug/l	88
77) Bromobenzene	10.26	156	23297	20.825	ug/l	99
78) n-propylbenzene	10.40	91	120894	19.808	ug/l	100
79) 2-Chlorotoluene	10.47	91	71495	19.407	ug/l	100
80) 1,3,5-Trimethylbenzene	10.58	105	86416	20.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	5255	21.134	ug/l	93
82) 4-Chlorotoluene	10.58	91	83981	19.301	ug/l	99
83) tert-Butylbenzene	10.91	119	81632	19.811	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	88294	20.220	ug/l	100
85) sec-Butylbenzene	11.13	105	106889	19.818	ug/l	100
86) p-Isopropyltoluene	11.29	119	93204	19.728	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	47615	20.613	ug/l	100
88) 1,4-Dichlorobenzene	11.32	146	48578	20.788	ug/l	99
89) n-Butylbenzene	11.70	91	90485	19.757	ug/l	99
90) Hexachloroethane	11.95	117	16422	19.652	ug/l	94
91) 1,2-Dichlorobenzene	11.69	146	42214	20.650	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3498	23.188	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV012419\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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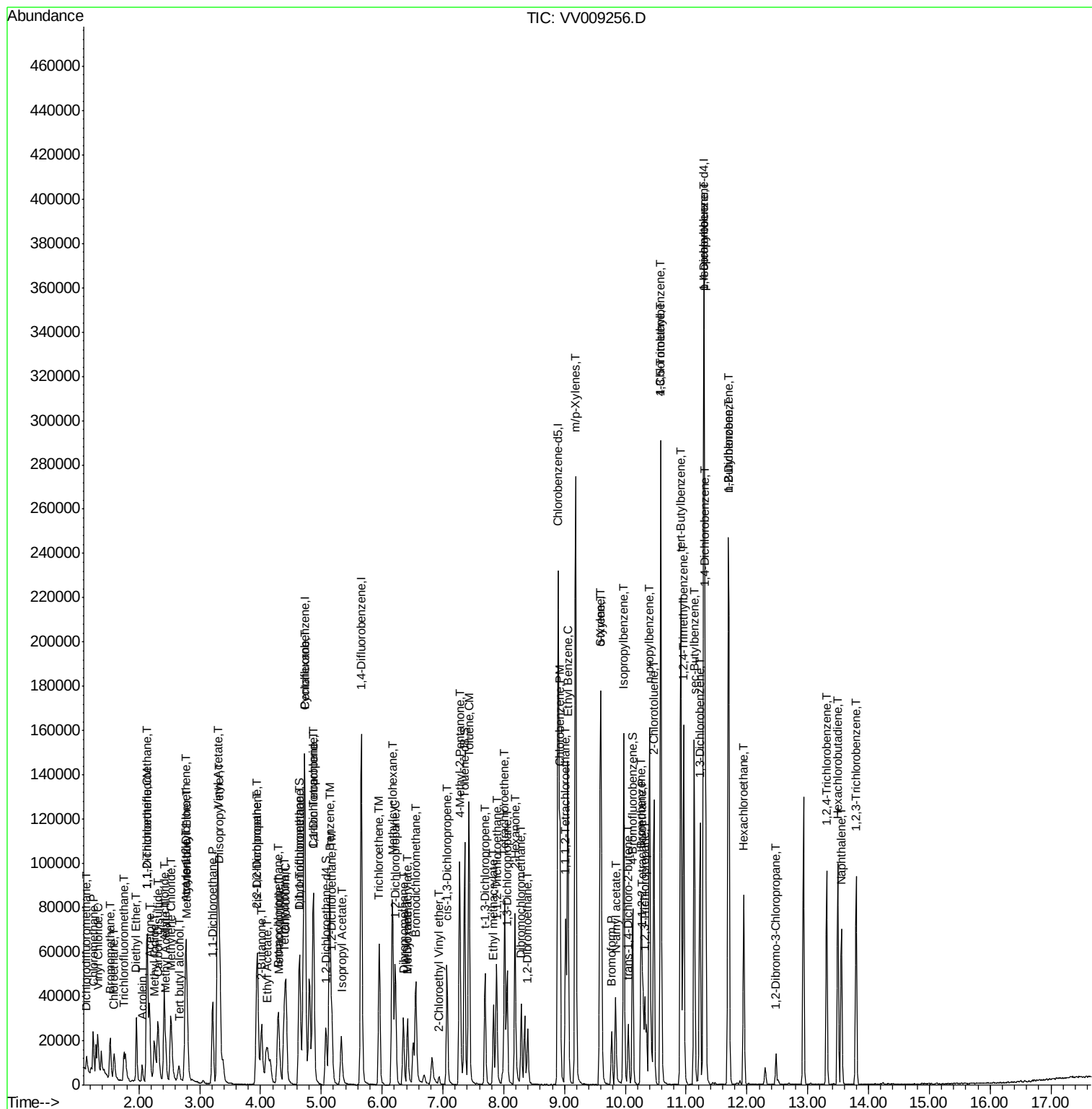
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	28488	21.422	ug/l	99
94) Hexachlorobutadiene	13.49	225	16577	20.226	ug/l	99
95) Naphthalene	13.55	128	54495	23.084	ug/l	99
96) 1,2,3-Trichlorobenzene	13.80	180	24657	21.718	ug/l	100

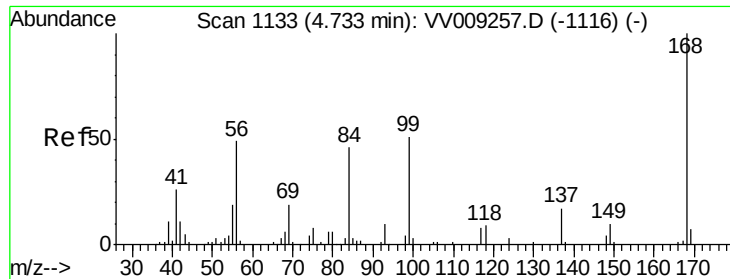
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

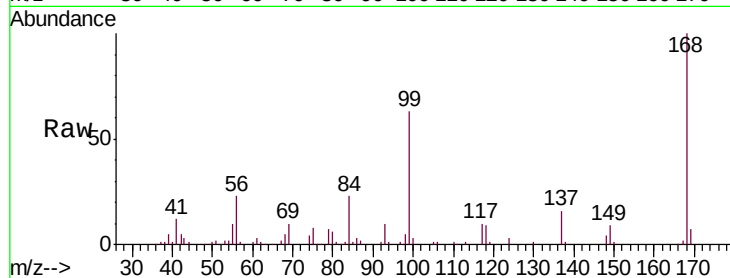
VSTDIC020

Tgt Ion:168 Resp: 84070

Ion Ratio Lower Upper

168 100

99 62.3 50.0 75.0

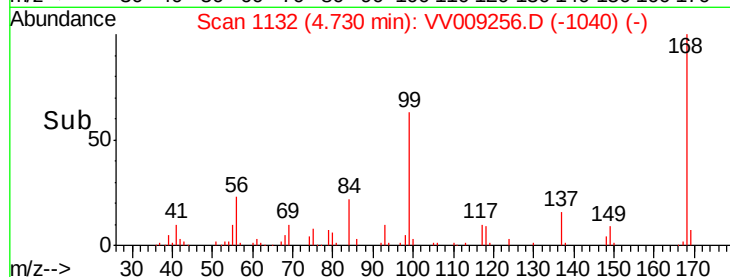


Abundance Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

4.60 4.70 4.80 4.90



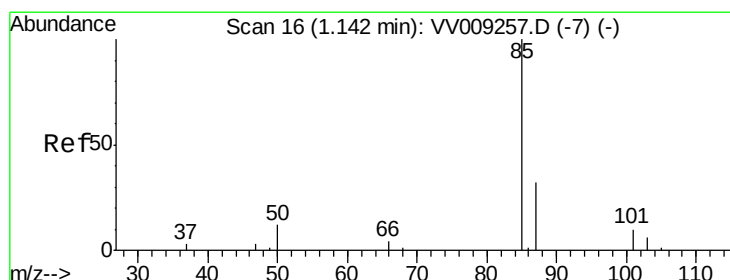
Abundance

Ion 167.90 (167.60 to 168.60): VV009257.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009257.D (-1116) (-)

4.73

4.60 4.70 4.80 4.90



#2

Dichlorodifluoromethane

Concen: 18.500 ug/l

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009256.D

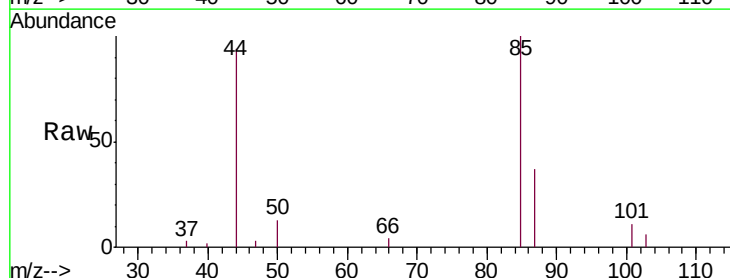
Acq: 24 Jan 2019 13:20

Tgt Ion: 85 Resp: 12981

Ion Ratio Lower Upper

85 100

87 37.4 16.0 47.9

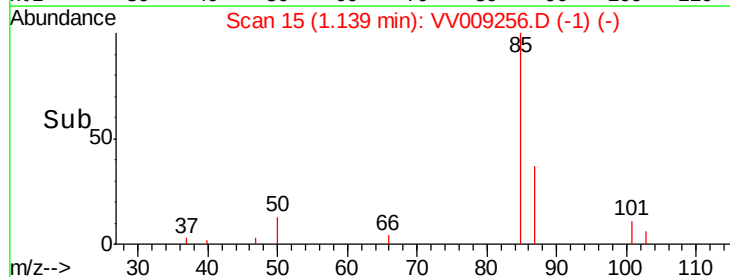


Abundance Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

1.10 1.20 1.30



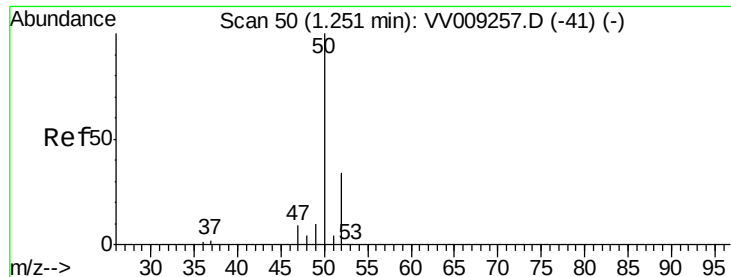
Abundance

Ion 84.90 (84.60 to 85.60): VV009257.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009257.D (-7) (-)

1.14

1.10 1.20 1.30



#3

Chloromethane

Concen: 20.025 ug/l

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

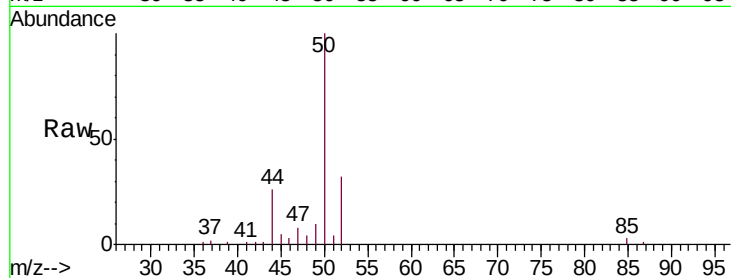
VSTDIC020

Tgt Ion: 50 Resp: 18557

Ion Ratio Lower Upper

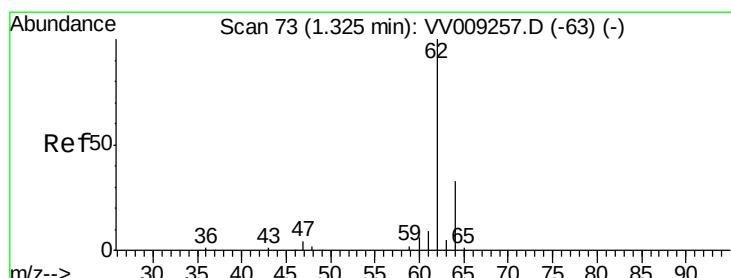
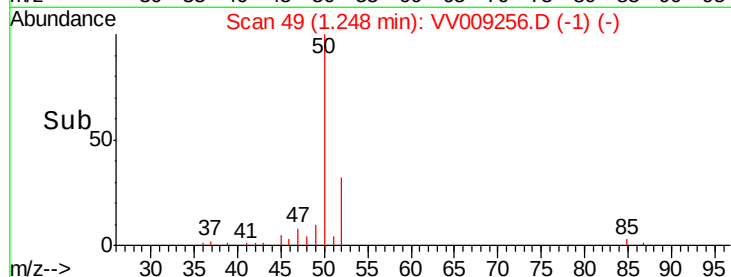
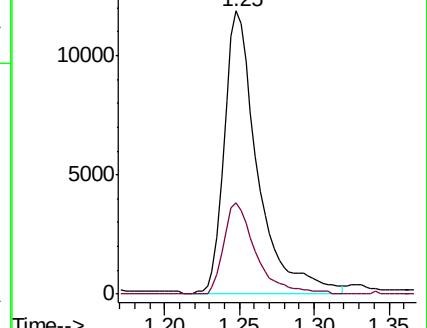
50 100

52 32.3 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VV009257.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VV009257.D (-41) (-)



#4

Vinyl Chloride

Concen: 18.861 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009256.D

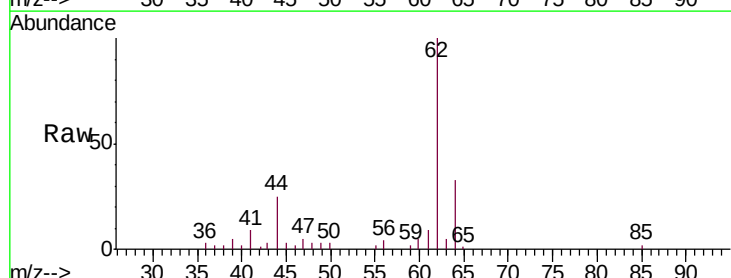
Acq: 24 Jan 2019 13:20

Tgt Ion: 62 Resp: 19440

Ion Ratio Lower Upper

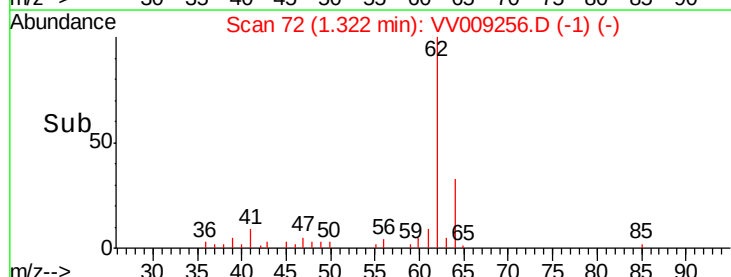
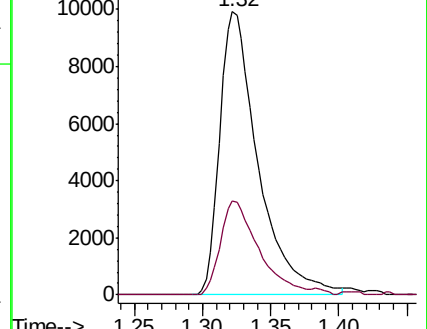
62 100

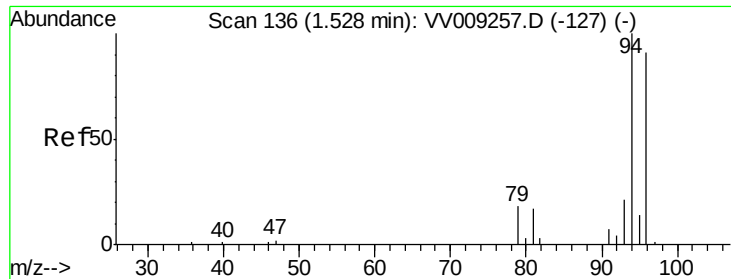
64 33.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VV009257.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VV009257.D (-63) (-)





#5

Bromomethane

Concen: 18.466 ug/l

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

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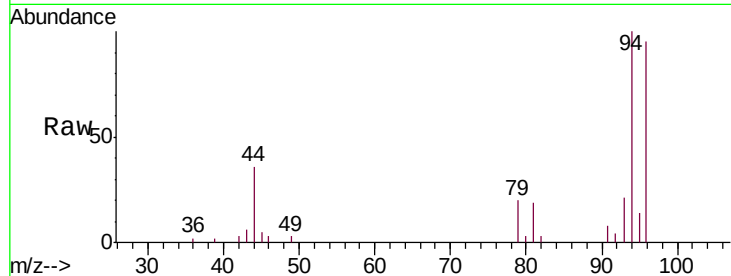
VSTDIC020

Tgt Ion: 94 Resp: 10693

Ion Ratio Lower Upper

94 100

96 95.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VV009257.D (-127) (-)

Ion 95.90 (95.60 to 96.60): VV009256.D (-43) (-)

1.53

6000

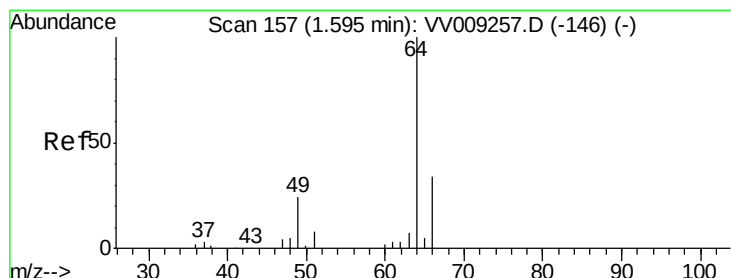
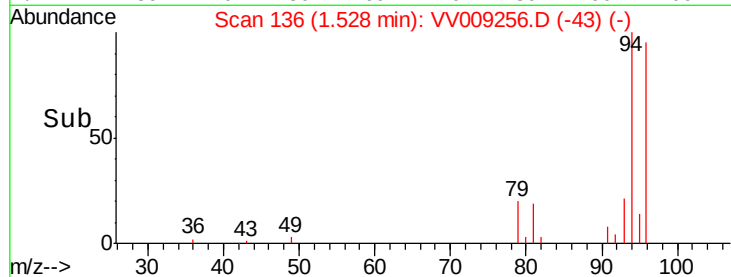
4000

2000

0

Time-->

1.45 1.50 1.55 1.60



#6

Chloroethane

Concen: 18.392 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV009256.D

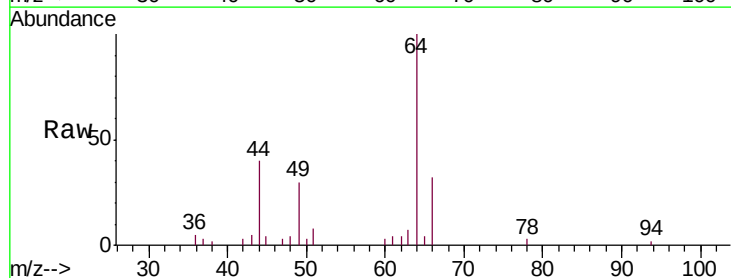
Acq: 24 Jan 2019 13:20

Tgt Ion: 64 Resp: 10430

Ion Ratio Lower Upper

64 100

66 32.0 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VV009257.D (-146) (-)

Ion 65.90 (65.60 to 66.60): VV009256.D (-64) (-)

1.59

6000

5000

4000

3000

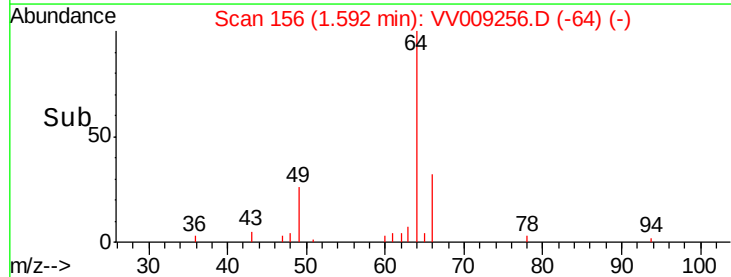
2000

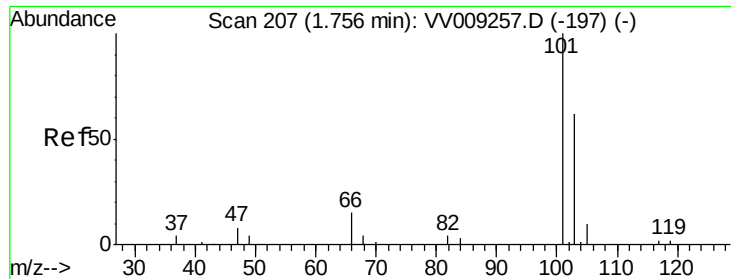
1000

0

Time-->

1.50 1.55 1.60 1.65 1.70



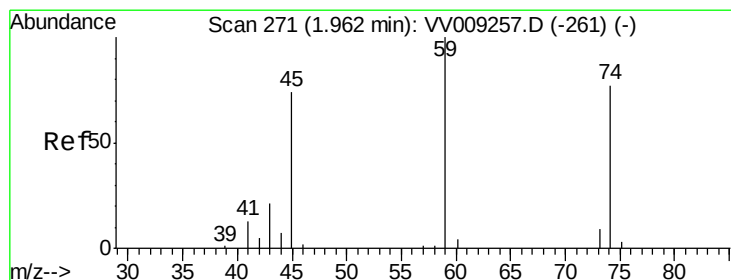
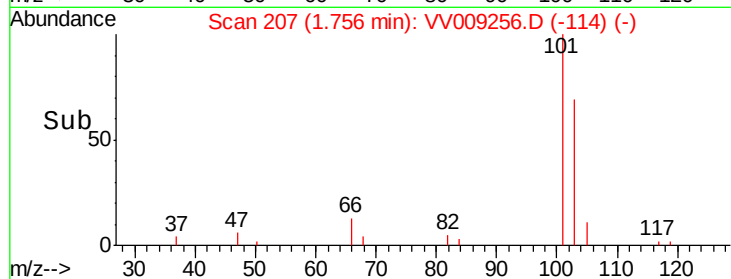
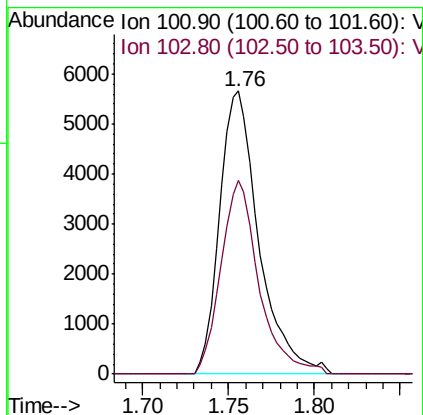
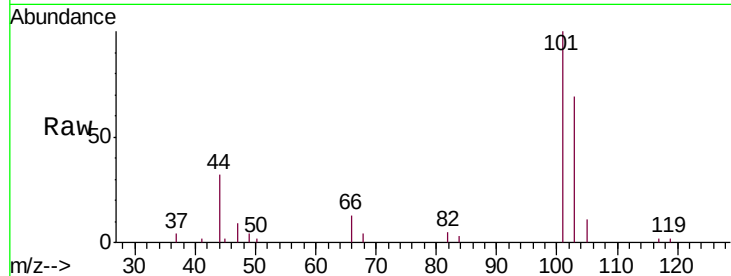


#7

Trichlorofluoromethane
 Concen: 13.266 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. -0.00 min
 Lab File: VV009256.D
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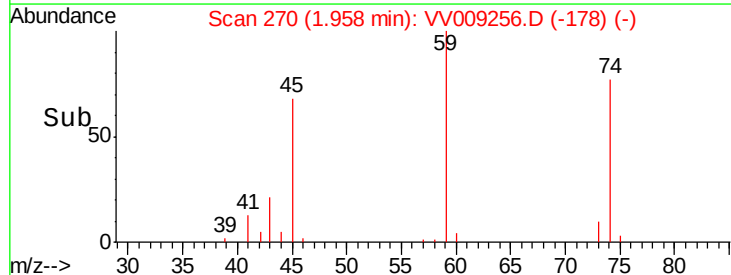
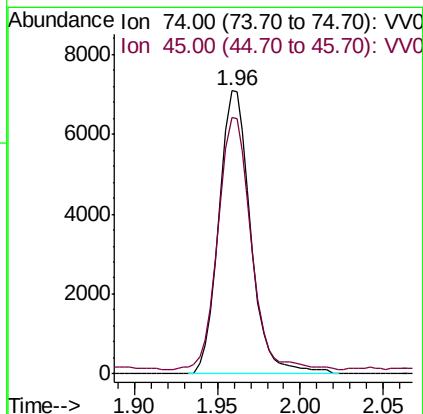
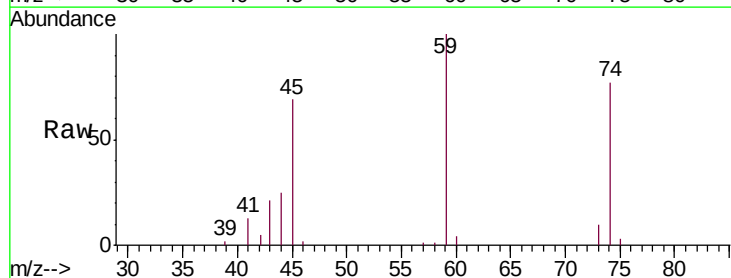
Tgt Ion: 101 Resp: 9009
 Ion Ratio Lower Upper
 101 100
 103 68.7 49.8 74.8

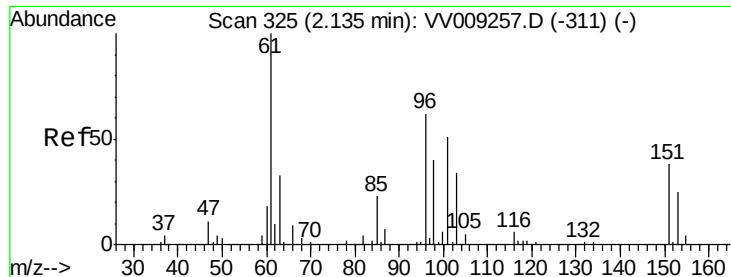


#8

Diethyl Ether
 Concen: 20.793 ug/l
 RT: 1.96 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 74 Resp: 9470
 Ion Ratio Lower Upper
 74 100
 45 94.2 47.4 142.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.463 ug/l

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009256.D

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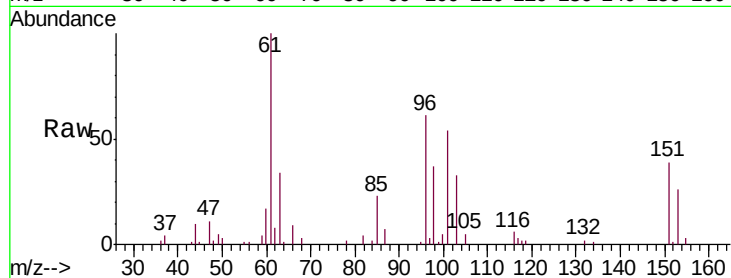
Tgt Ion:101 Resp: 16482

Ion Ratio Lower Upper

101 100

85 44.6 33.8 50.6

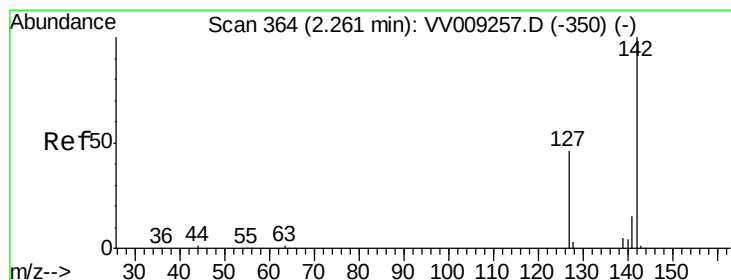
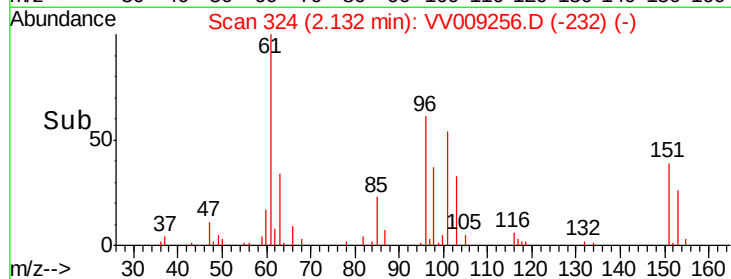
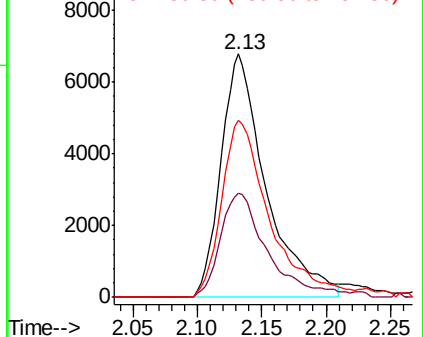
151 77.0 58.3 87.5



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: 17.998 ug/l

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

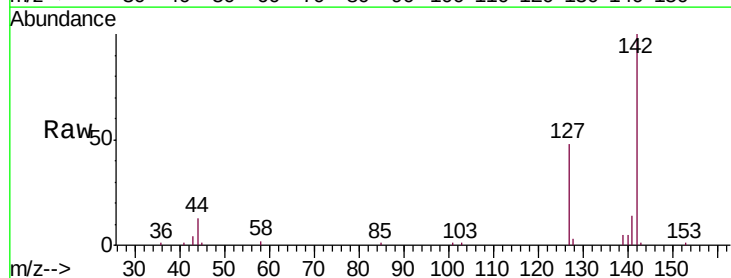
Tgt Ion:142 Resp: 25619

Ion Ratio Lower Upper

142 100

127 46.0 36.8 55.2

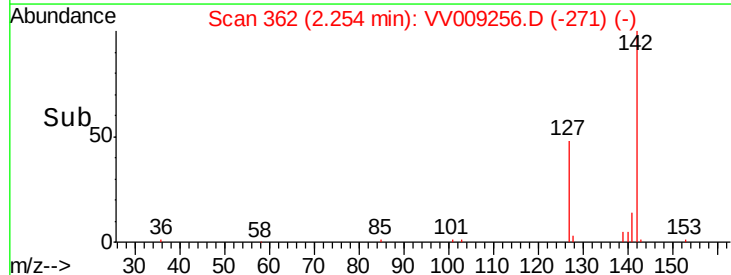
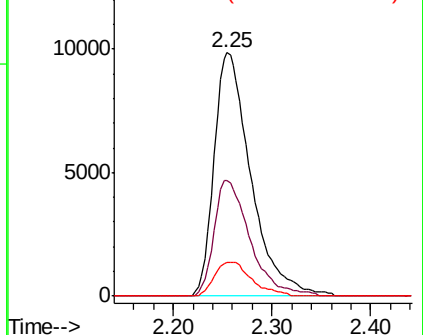
141 14.2 11.6 17.4

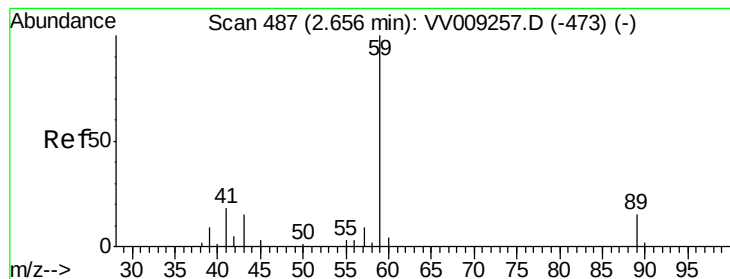


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



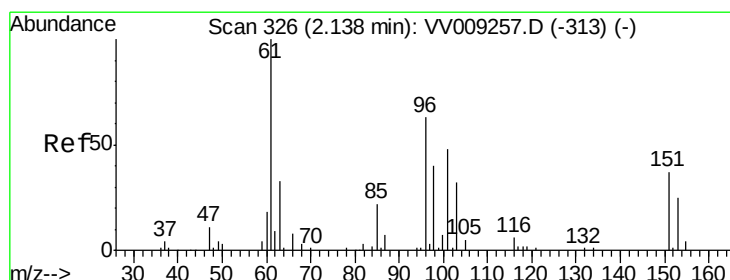
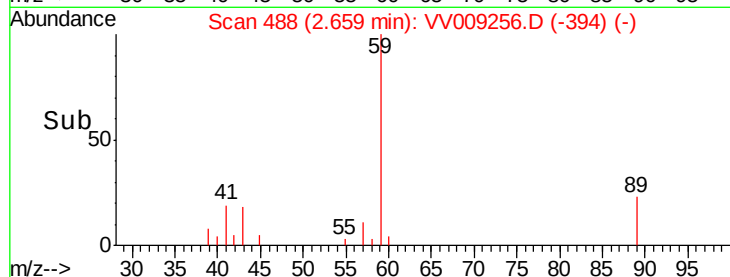
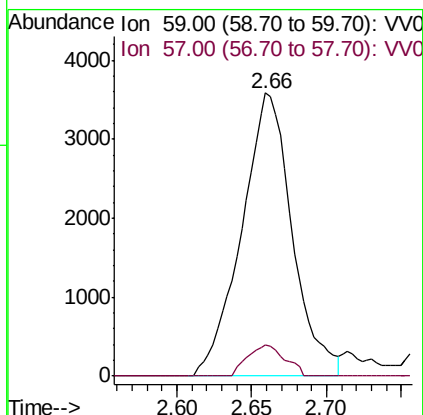
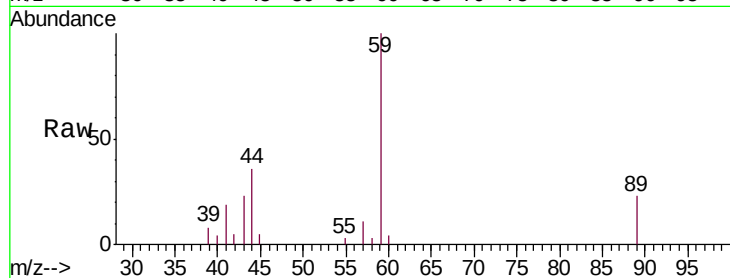


#11

Tert butyl alcohol
 Concen: 109.787 ug/l
 RT: 2.66 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

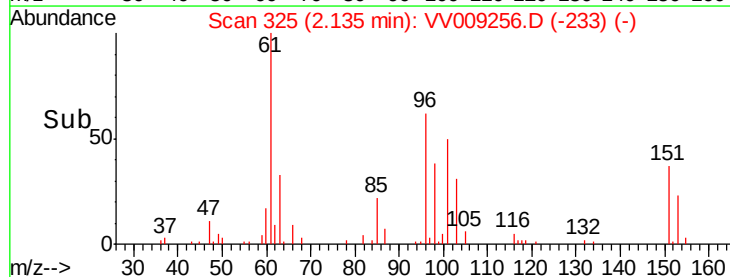
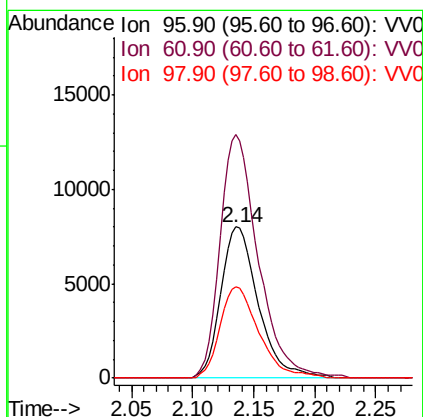
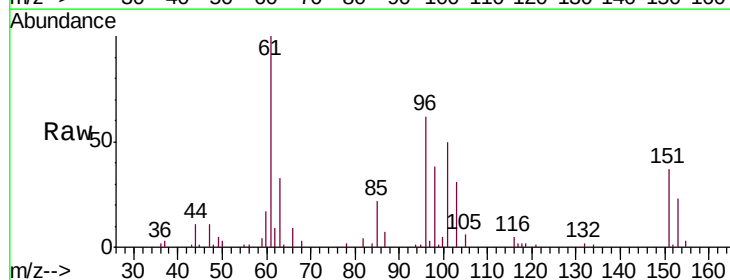
Tgt Ion: 59 Resp: 8465
 Ion Ratio Lower Upper
 59 100
 57 8.1 7.0 10.4

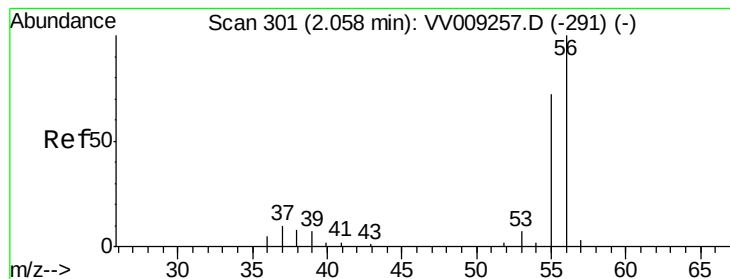


#12

1,1-Dichloroethene
 Concen: 19.593 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 96 Resp: 17235
 Ion Ratio Lower Upper
 96 100
 61 161.4 127.2 190.8
 98 60.8 51.5 77.3





#13

Acrolein

Concen: 89.847 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

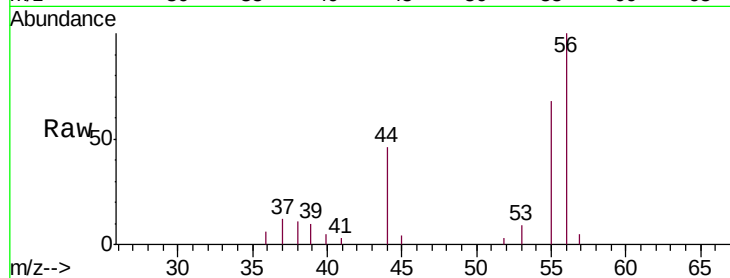
VSTDIC020

Tgt Ion: 56 Resp: 5270

Ion Ratio Lower Upper

56 100

55 69.1 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VV009257.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009256.D (-208) (-)

2.05

3000

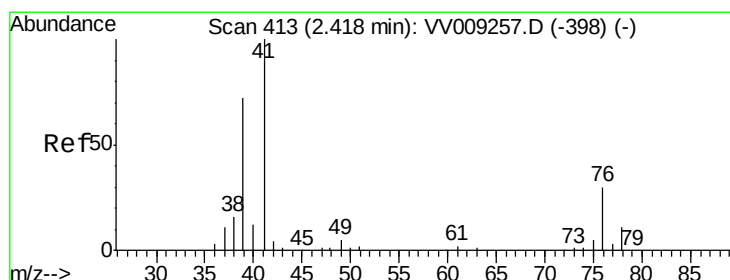
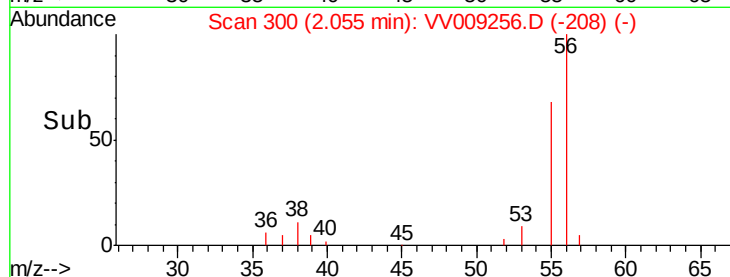
2000

1000

0

Time-->

2.00 2.05 2.10 2.15



#14

Allyl chloride

Concen: 16.918 ug/l

RT: 2.41 min Scan# 412

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

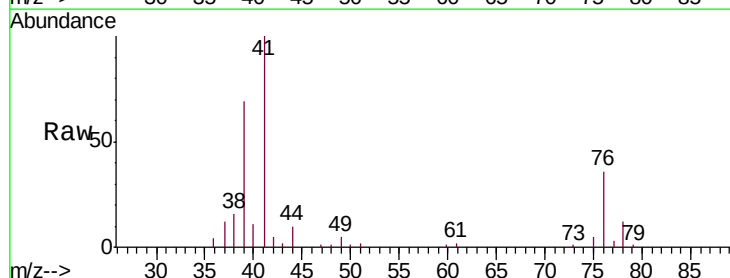
Tgt Ion: 41 Resp: 24979

Ion Ratio Lower Upper

41 100

39 70.6 56.4 84.6

76 36.6 30.6 46.0



Abundance Ion 41.00 (40.70 to 41.70): VV009257.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009256.D (-320) (-)

Ion 75.90 (75.60 to 76.60): VV009256.D (-320) (-)

2.41

25000

20000

15000

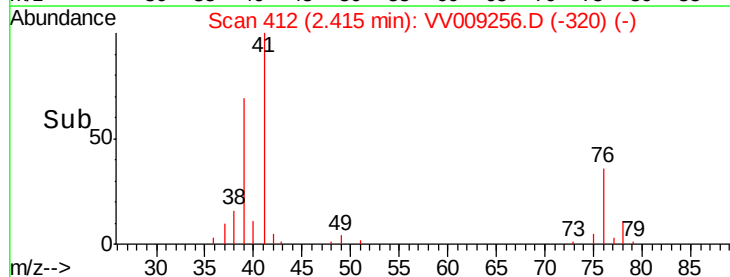
10000

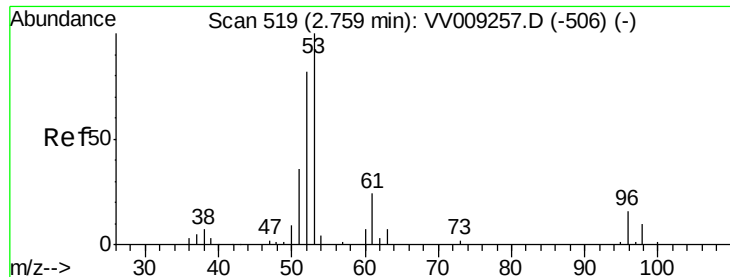
5000

0

Time-->

2.35 2.40 2.45 2.50





#15

Acrylonitrile

Concen: 105.302 ug/l

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

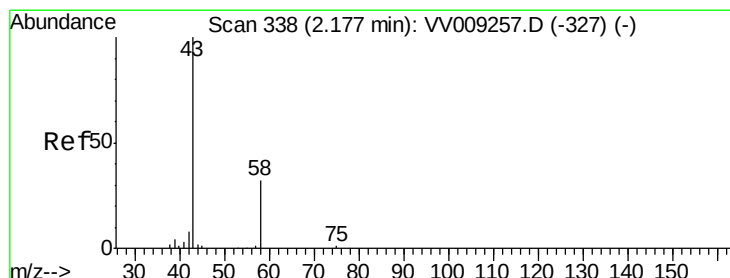
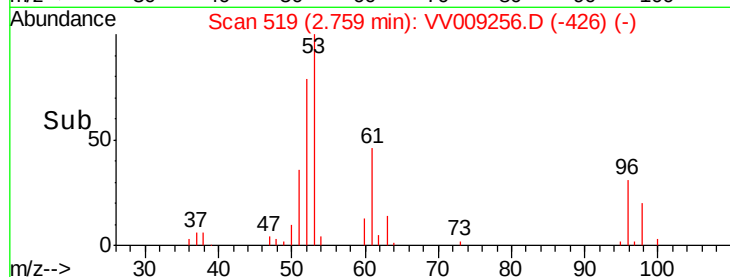
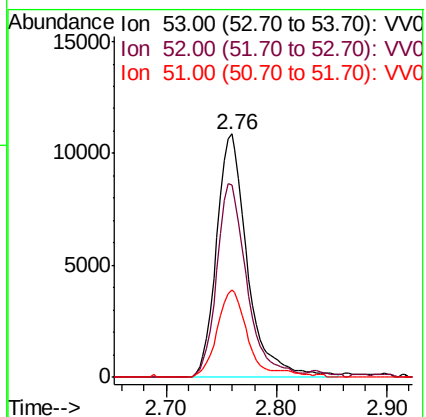
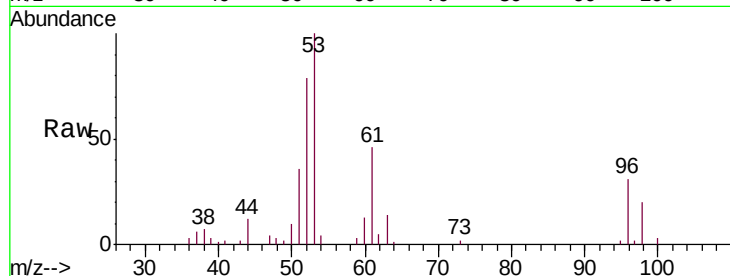
Tgt Ion: 53 Resp: 21161

Ion Ratio Lower Upper

53 100

52 77.7 67.2 100.8

51 34.0 29.7 44.5



#16

Acetone

Concen: 95.511 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV009256.D

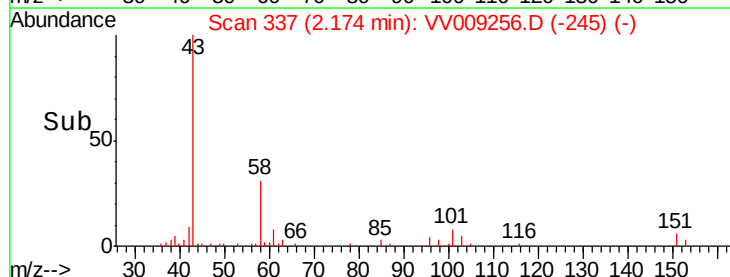
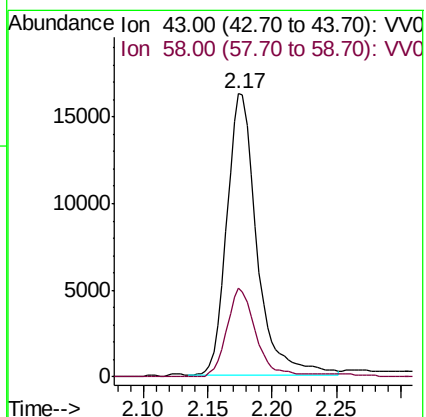
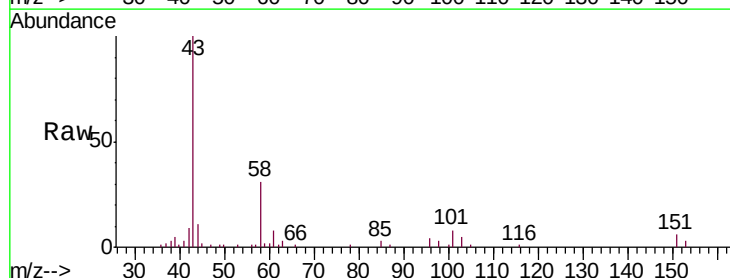
Acq: 24 Jan 2019 13:20

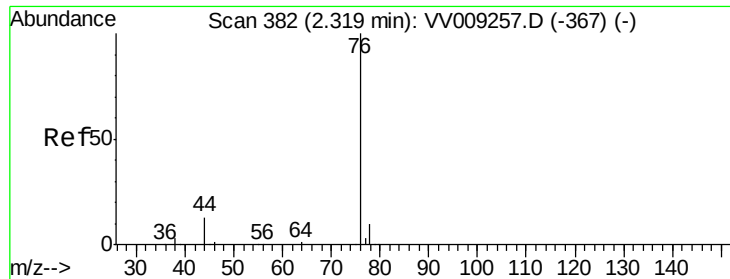
Tgt Ion: 43 Resp: 26190

Ion Ratio Lower Upper

43 100

58 31.4 25.8 38.6





#17

Carbon Disulfide

Concen: 17.131 ug/l

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

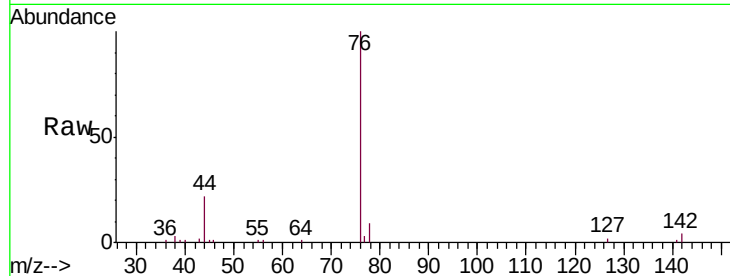
VSTDIC020

Tgt Ion: 76 Resp: 45671

Ion Ratio Lower Upper

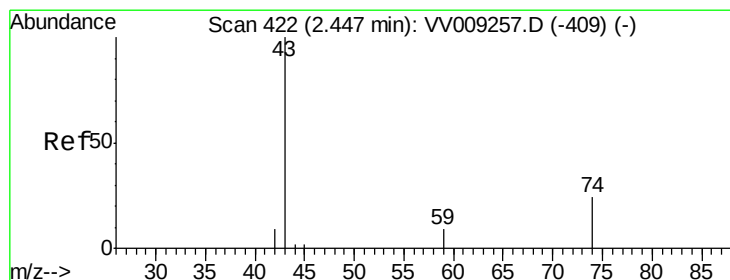
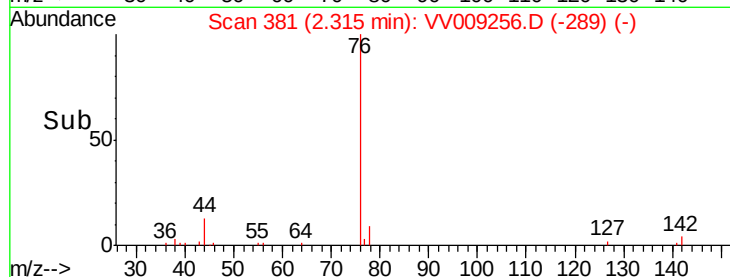
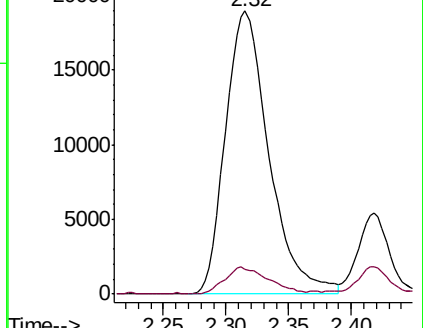
76 100

78 8.9 7.9 11.9



Abundance Ion 75.90 (75.60 to 76.60): VV009257.D (-367) (-)

Ion 77.90 (77.60 to 78.60): VV009256.D (-289) (-)



#18

Methyl Acetate

Concen: 19.314 ug/l

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV009256.D

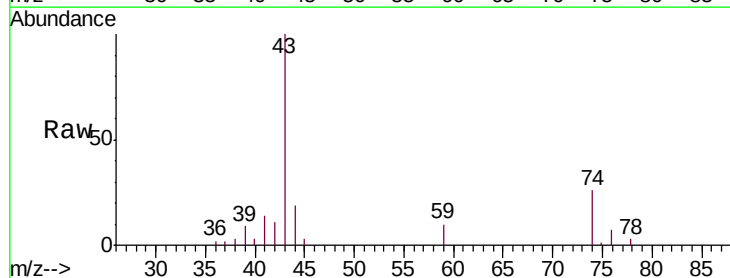
Acq: 24 Jan 2019 13:20

Tgt Ion: 43 Resp: 14264

Ion Ratio Lower Upper

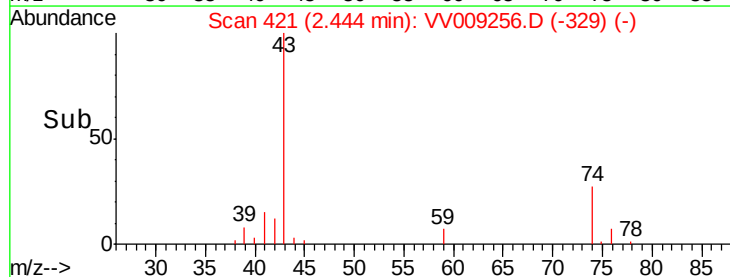
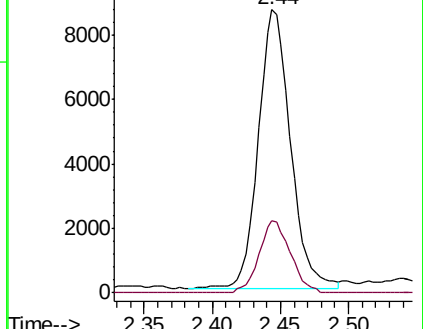
43 100

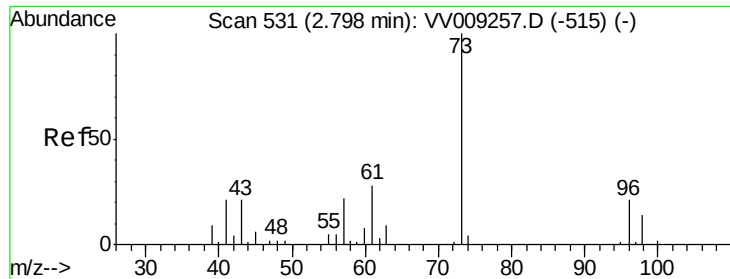
74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-409) (-)

Ion 74.00 (73.70 to 74.70): VV009256.D (-329) (-)

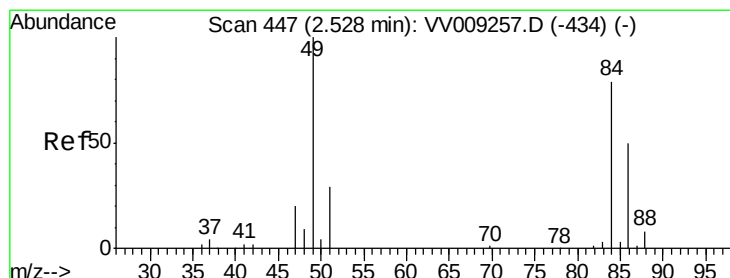
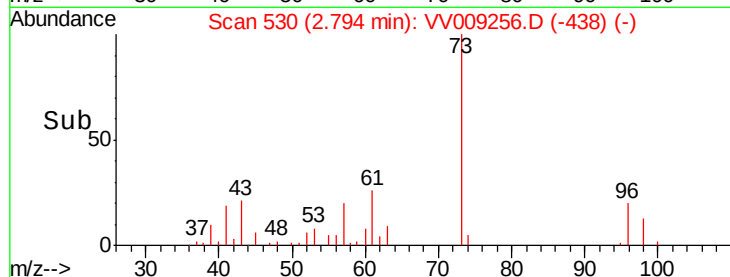
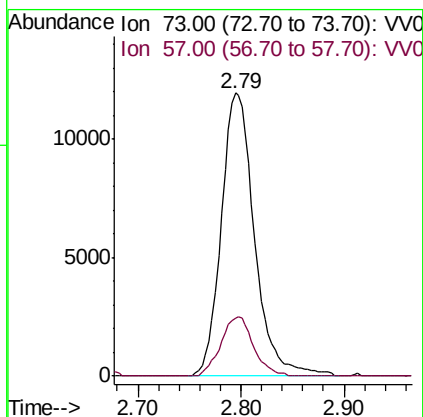
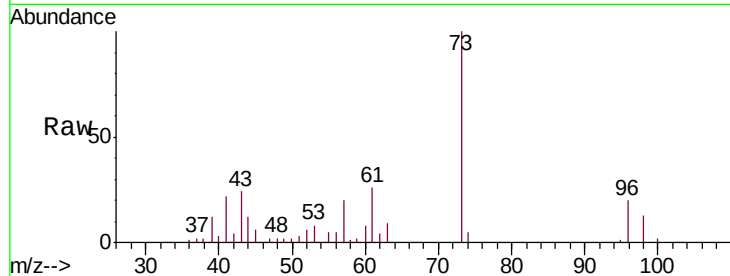




#19
Methyl tert-butyl Ether
Concen: 19.504 ug/l
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

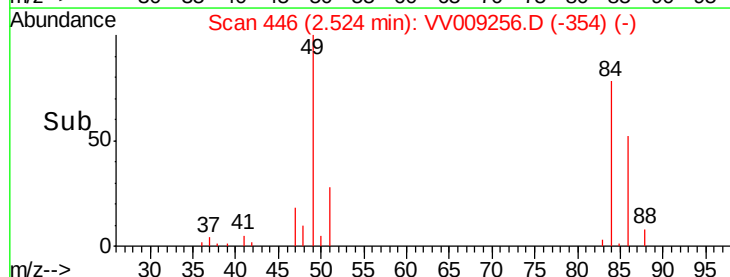
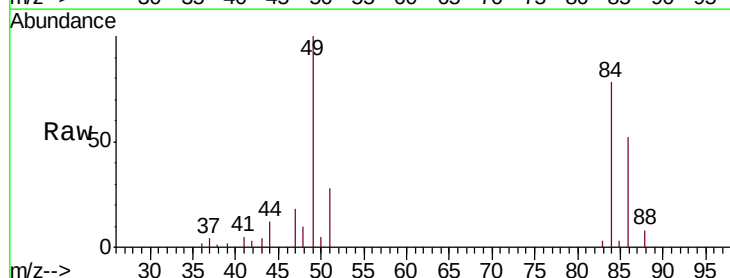
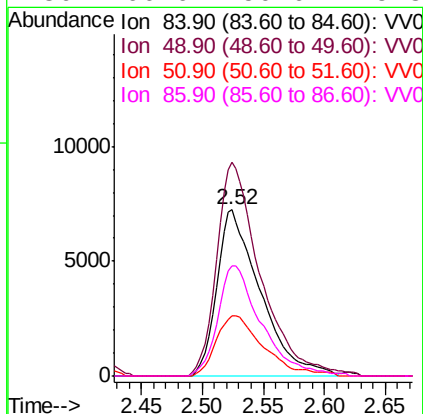
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

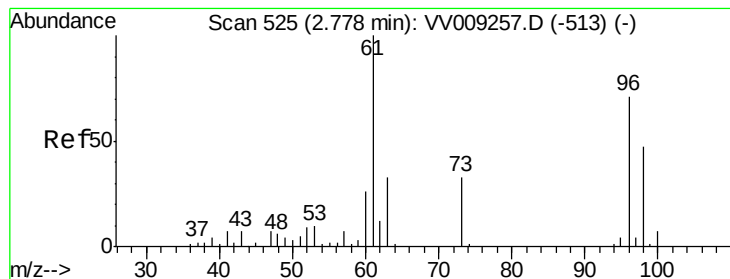
Tgt Ion: 73 Resp: 26834
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9



#20
Methylene Chloride
Concen: 17.583 ug/l
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 84 Resp: 17980
Ion Ratio Lower Upper
84 100
49 128.8 101.5 152.3
51 36.2 29.6 44.4
86 66.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.378 ug/l

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

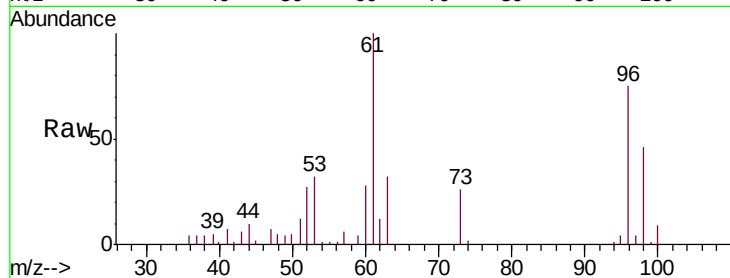
Tgt Ion: 96 Resp: 17221

Ion Ratio Lower Upper

96 100

61 133.9 112.1 168.1

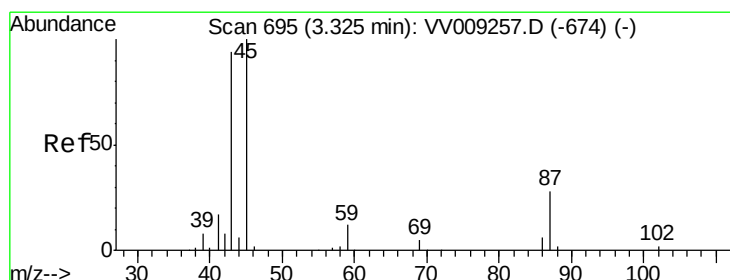
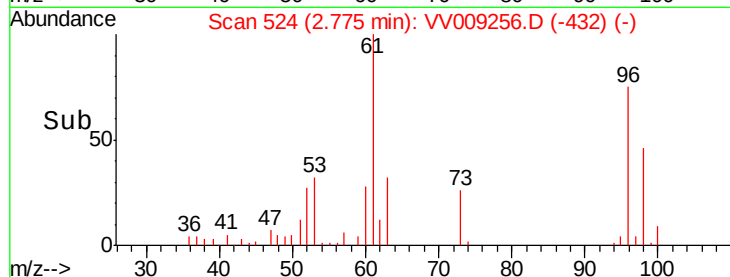
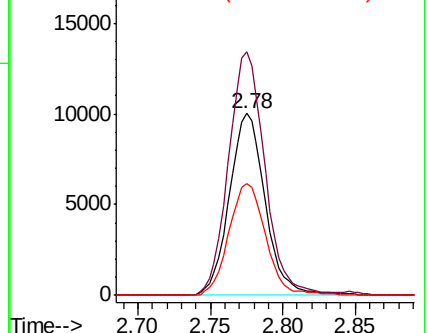
98 61.6 52.8 79.2



Abundance Ion 95.90 (95.60 to 96.60): VV009257.D (-513) (-)

Ion 60.90 (60.60 to 61.60): VV009257.D (-513) (-)

Ion 97.90 (97.60 to 98.60): VV009257.D (-513) (-)



#22

Diisopropyl ether

Concen: 19.574 ug/l

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion: 45 Resp: 62535

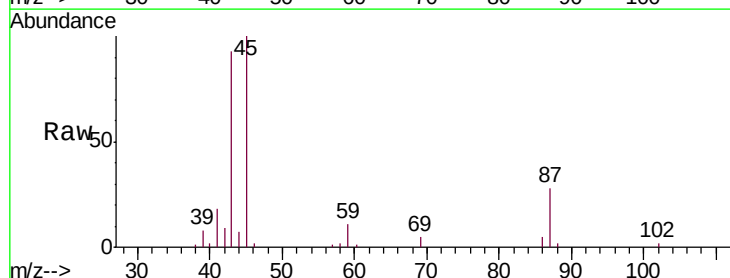
Ion Ratio Lower Upper

45 100

43 91.3 75.3 112.9

87 28.1 22.4 33.6

59 11.1 9.3 13.9

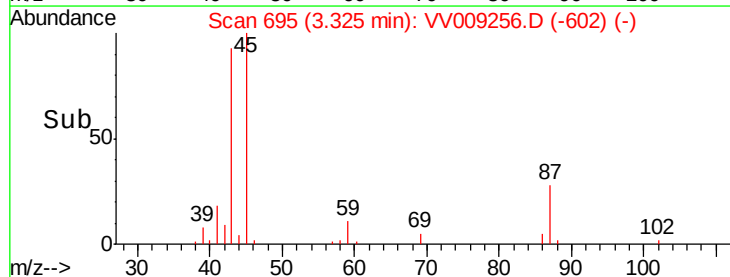
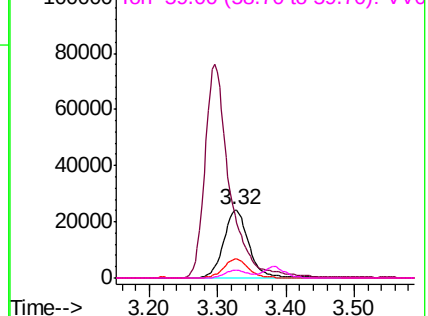


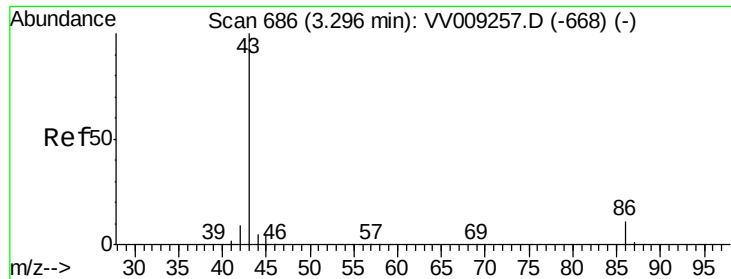
Abundance Ion 45.00 (44.70 to 45.70): VV009257.D (-674) (-)

Ion 43.00 (42.70 to 43.70): VV009257.D (-674) (-)

Ion 87.00 (86.70 to 87.70): VV009257.D (-674) (-)

Ion 59.00 (58.70 to 59.70): VV009257.D (-674) (-)





#23

Vinyl Acetate

Concen: 107.538 ug/l

RT: 3.30 min Scan# 686

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

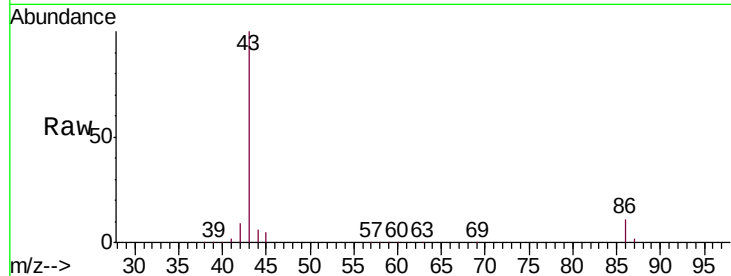
VSTDIC020

Tgt Ion: 43 Resp: 190947

Ion Ratio Lower Upper

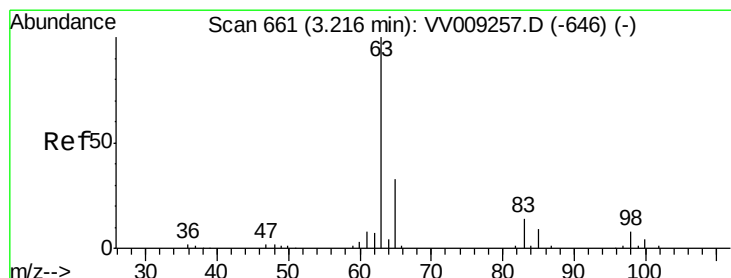
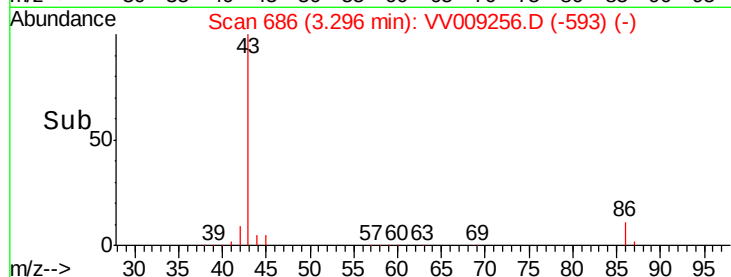
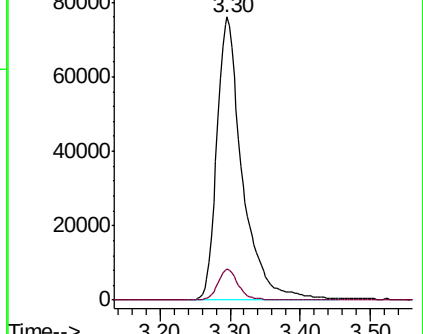
43 100

86 11.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-668) (-)

Ion 86.00 (85.70 to 86.70): VV009257.D (-668) (-)



#24

1,1-Dichloroethane

Concen: 18.648 ug/l

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

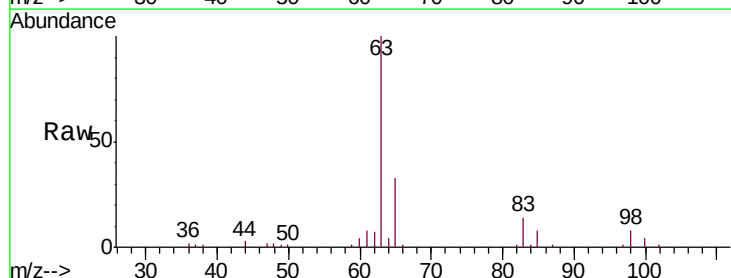
Tgt Ion: 63 Resp: 37015

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

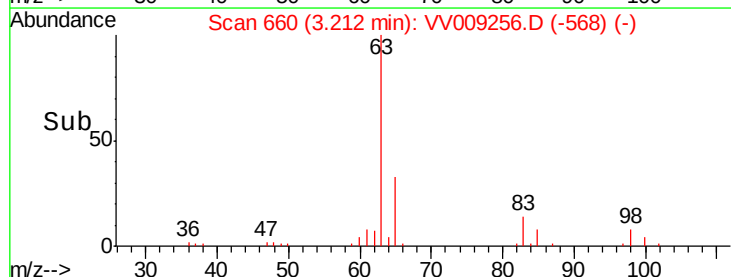
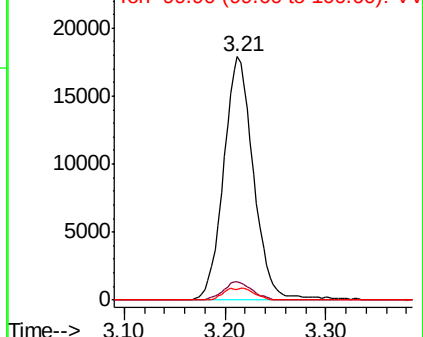
100 4.5 2.0 6.0

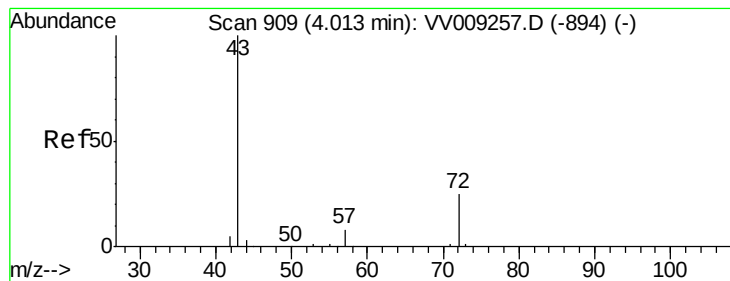


Abundance Ion 62.90 (62.60 to 63.60): VV009257.D (-646) (-)

Ion 97.90 (97.60 to 98.60): VV009257.D (-646) (-)

Ion 99.90 (99.60 to 100.60): VV009257.D (-646) (-)





#25

2-Butanone

Concen: 118.978 ug/l

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

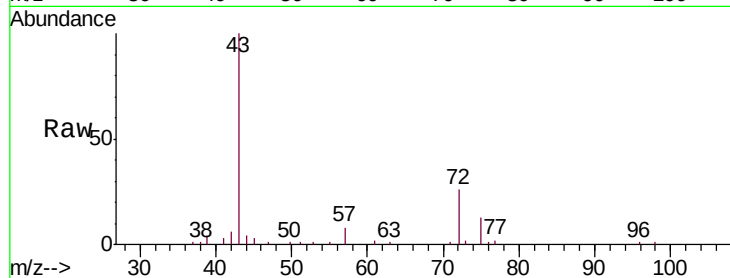
VSTDIC020

Tgt Ion: 43 Resp: 38399

Ion Ratio Lower Upper

43 100

72 26.1 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV009257.D (-894) (-)

4.02

15000

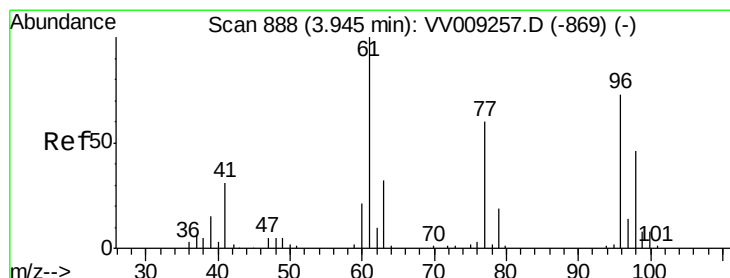
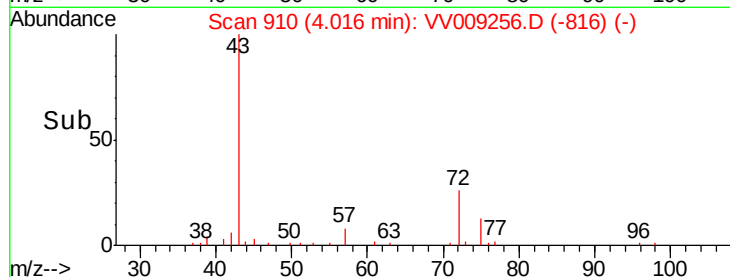
10000

5000

0

3.95 4.00 4.05 4.10

Time-->



#26

2,2-Dichloropropane

Concen: 18.142 ug/l

RT: 3.95 min Scan# 888

Delta R.T. -0.00 min

Lab File: VV009256.D

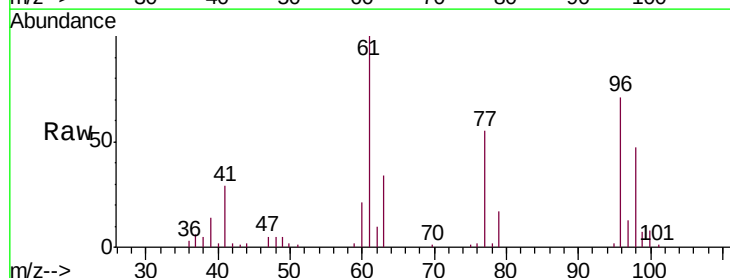
Acq: 24 Jan 2019 13:20

Tgt Ion: 77 Resp: 19835

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VV009257.D (-869) (-)

Ion 96.90 (96.60 to 97.60): VV009257.D (-869) (-)

3.95

8000

6000

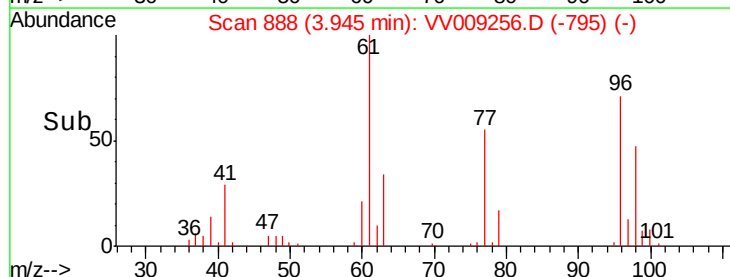
4000

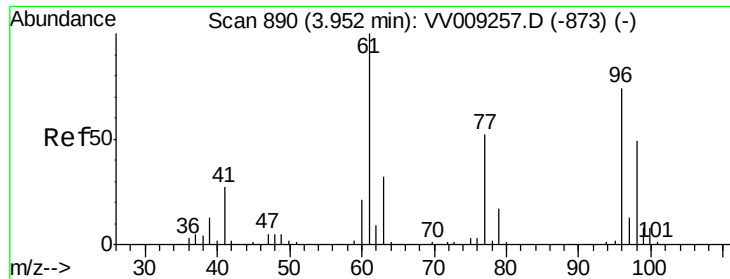
2000

0

3.90 4.00

Time-->



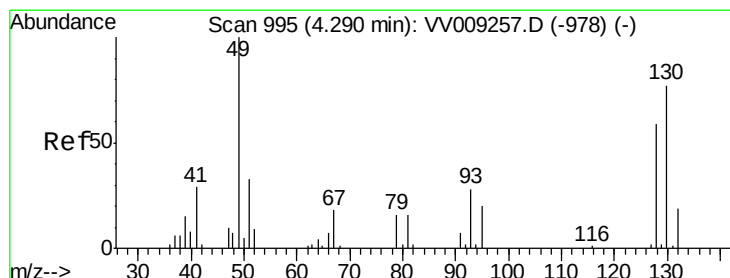
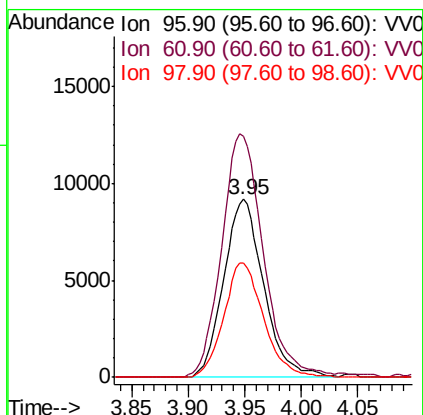
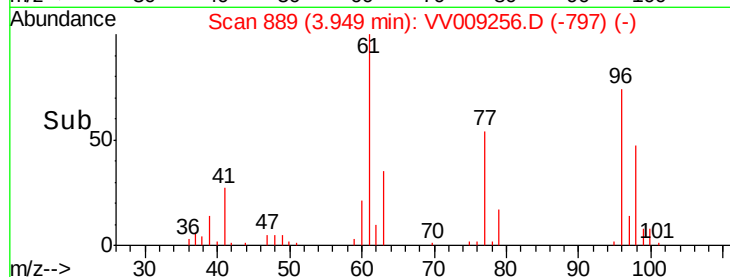
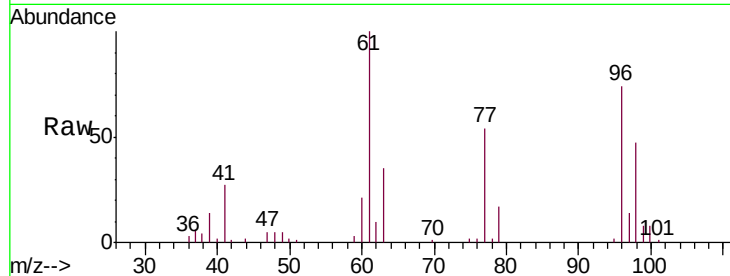


#27

cis-1,2-Dichloroethene
Concen: 19.821 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

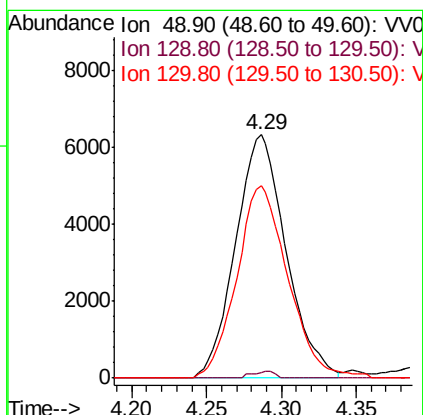
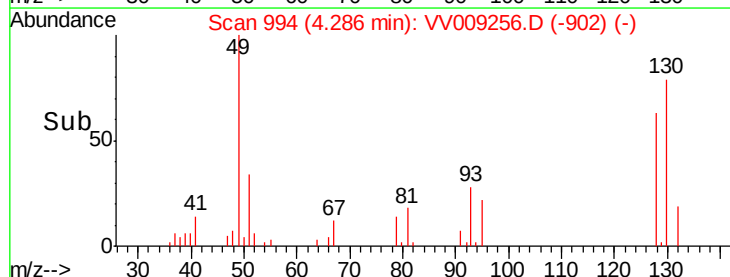
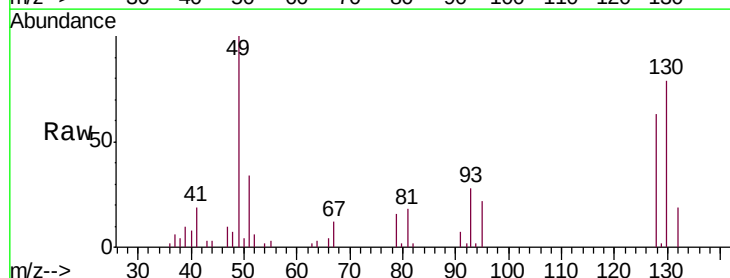
Tgt Ion: 96 Resp: 22575
Ion Ratio Lower Upper
96 100
61 142.1 0.0 277.6
98 63.8 0.0 127.6

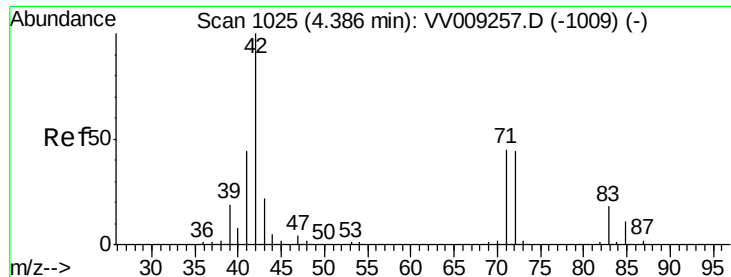


#28

Bromochloromethane
Concen: 19.731 ug/l
RT: 4.29 min Scan# 994
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 49 Resp: 14831
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.6
130 80.2 63.8 95.8





#29

Tetrahydrofuran

Concen: 118.864 ug/l

RT: 4.39 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampled :

VSTDIC020

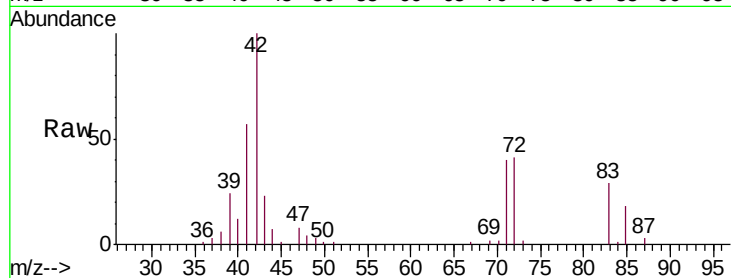
Tgt Ion: 42 Resp: 21265

Ion Ratio Lower Upper

42 100

72 44.1 36.0 54.0

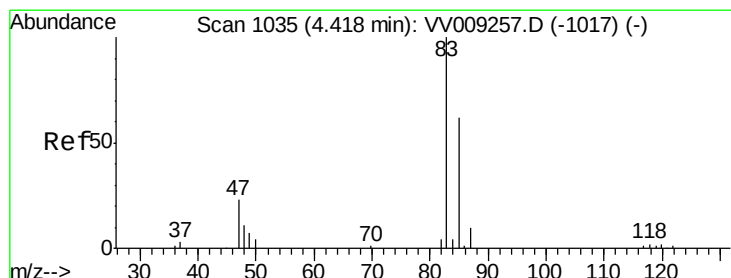
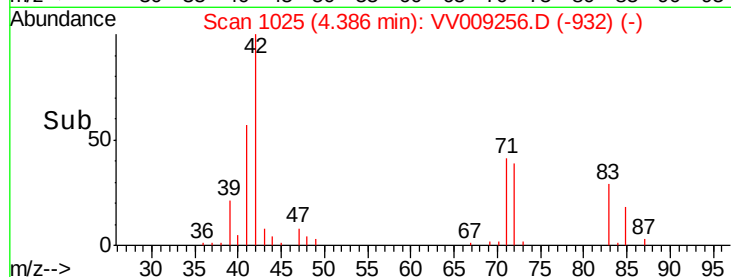
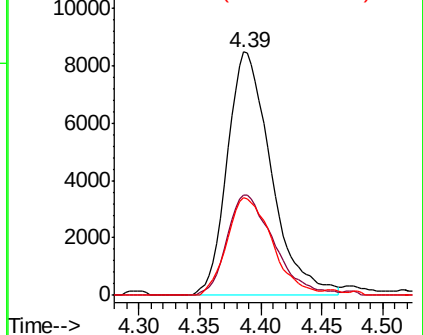
71 41.3 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

Ion 71.00 (70.70 to 71.70): VV0



#30

Chloroform

Concen: 19.620 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV009256.D

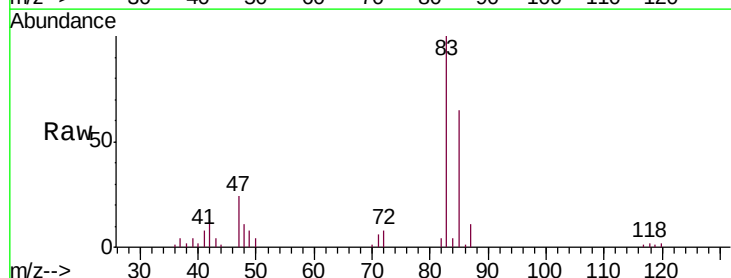
Acq: 24 Jan 2019 13:20

Tgt Ion: 83 Resp: 39022

Ion Ratio Lower Upper

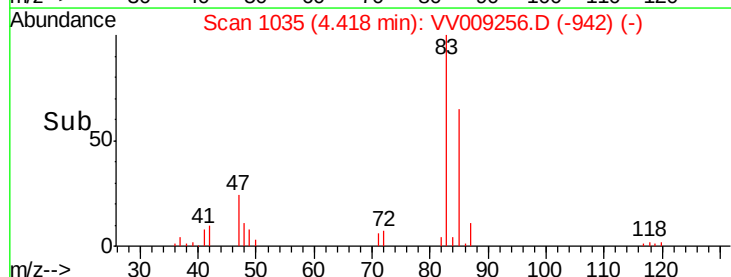
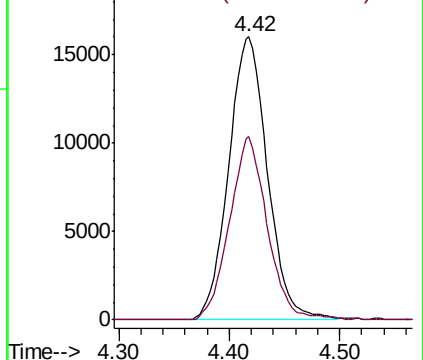
83 100

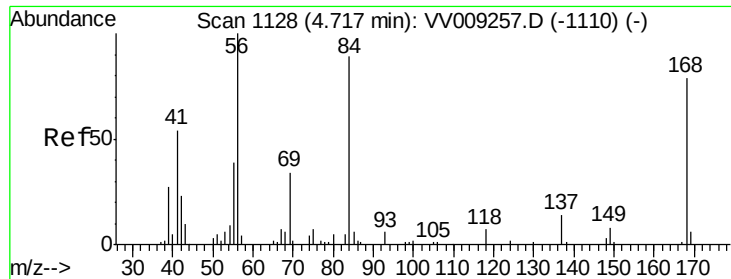
85 64.7 49.9 74.9



Abundance Ion 82.90 (82.60 to 83.60): VV0

Ion 84.90 (84.60 to 85.60): VV0

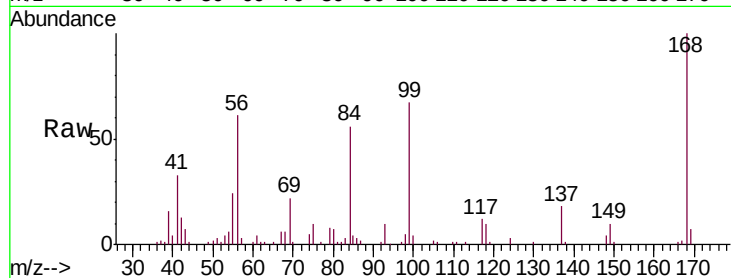




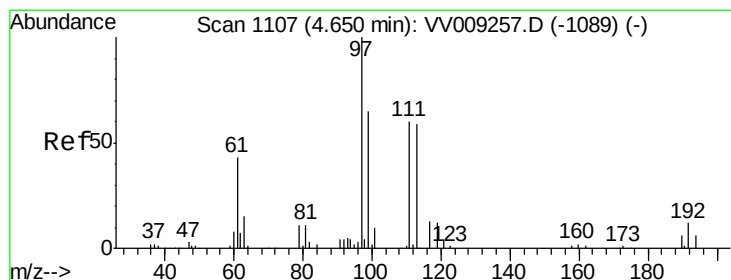
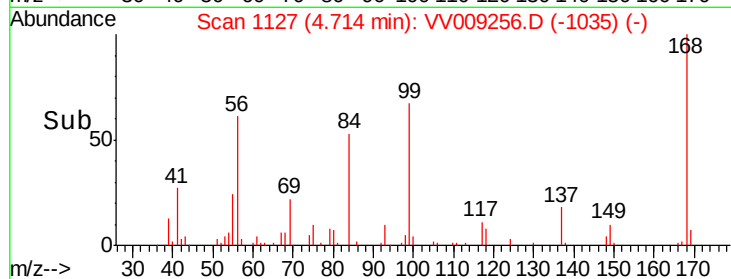
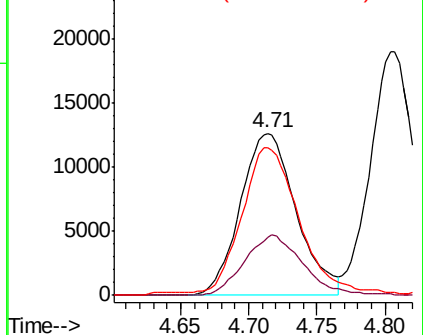
#31
Cyclohexane
Concen: 19.784 ug/l
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.1	27.5	41.3
84	89.5	70.9	106.3

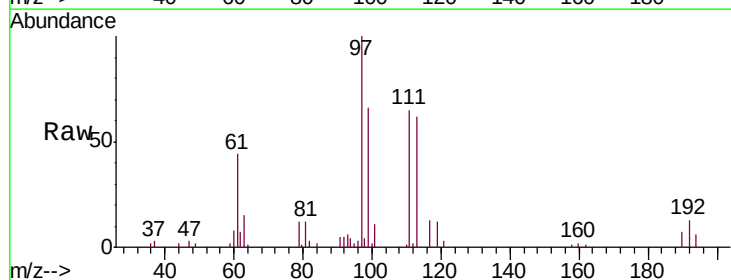


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

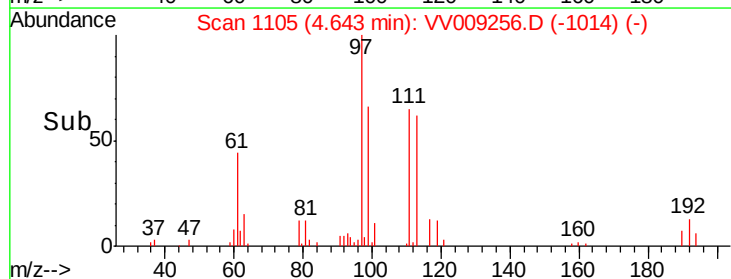
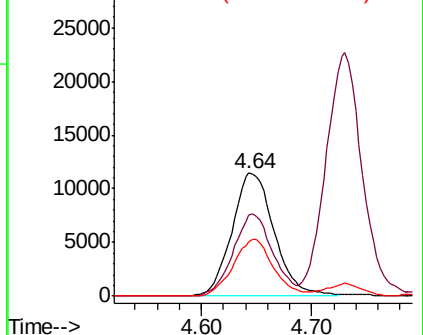


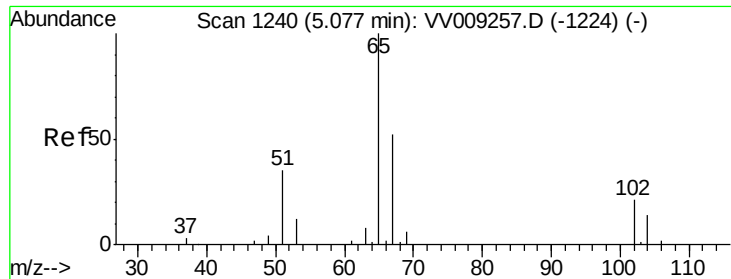
#32
1,1,1-Trichloroethane
Concen: 18.345 ug/l
RT: 4.64 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	49.8	74.8
61	43.9	33.4	50.0



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

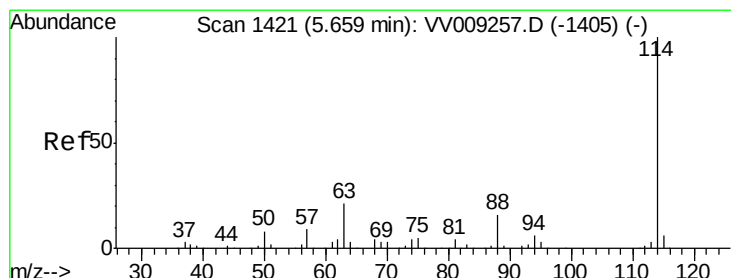
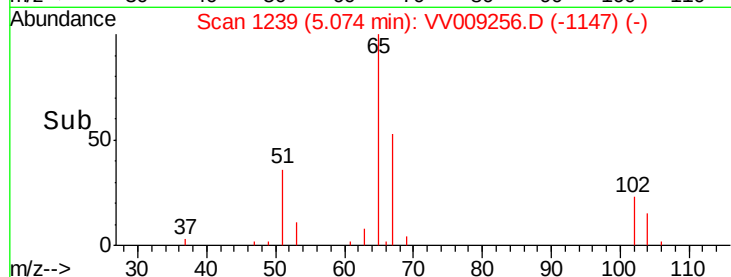
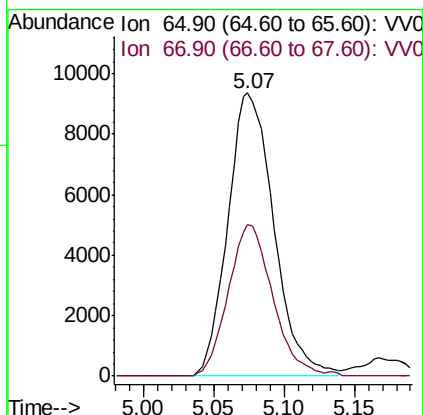
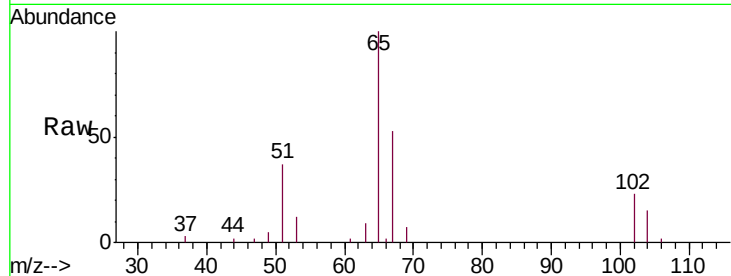




#33
 1,2-Dichloroethane-d4
 Concen: 20.386 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

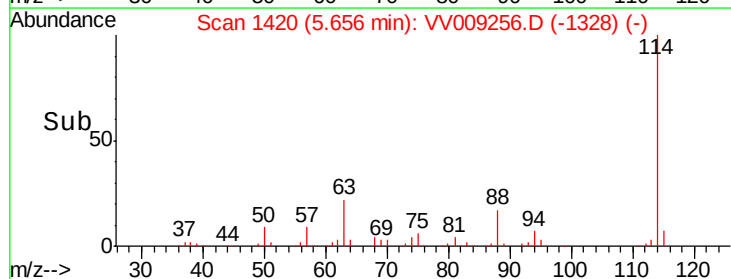
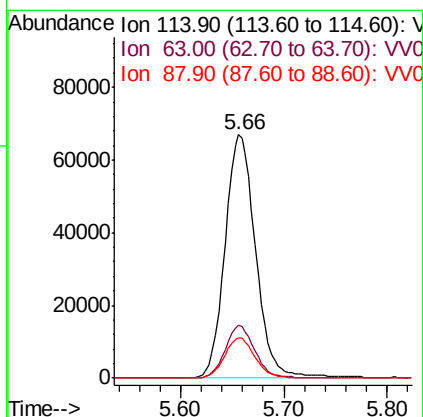
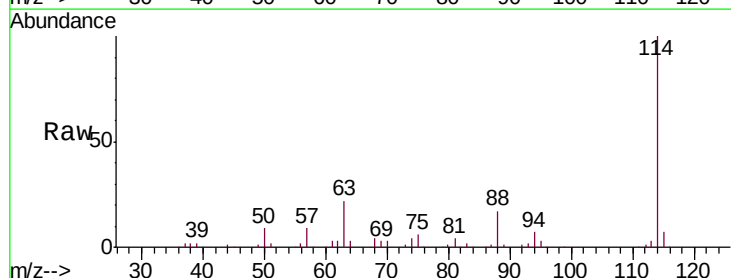
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

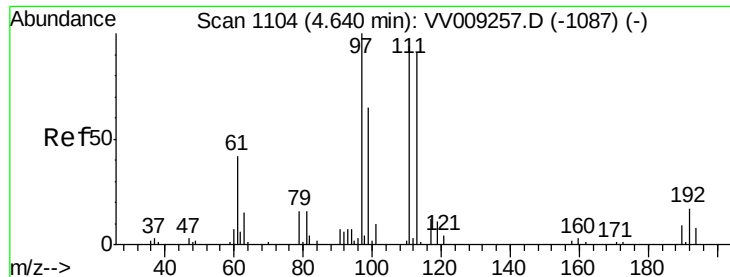
Tgt Ion: 65 Resp: 21345
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 114 Resp: 138199
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 20.387 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

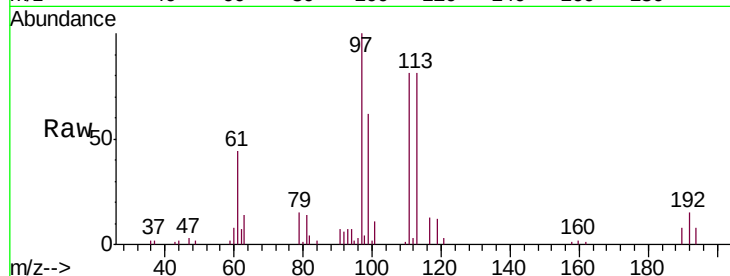
Tgt Ion:113 Resp: 18779

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

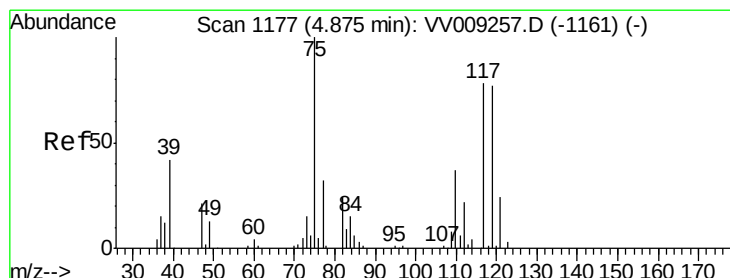
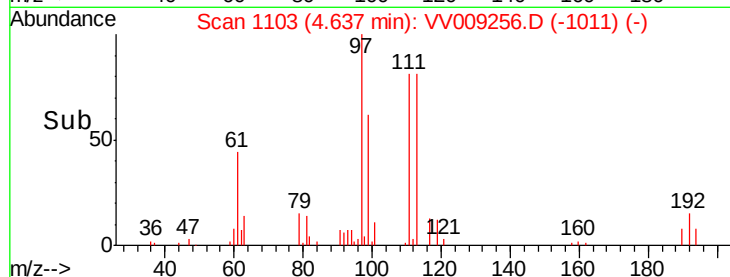
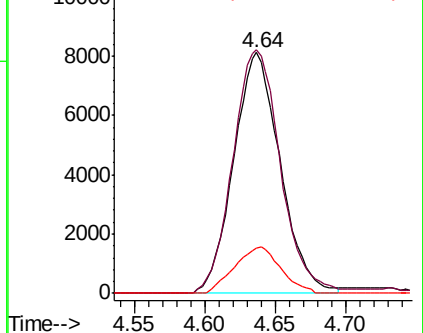
192 19.0 15.0 22.6



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: 19.323 ug/l

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

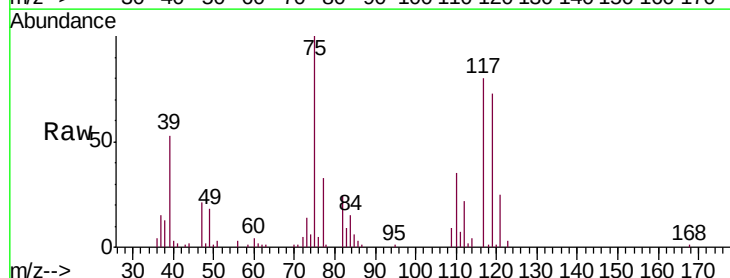
Tgt Ion: 75 Resp: 29023

Ion Ratio Lower Upper

75 100

110 36.3 17.6 52.9

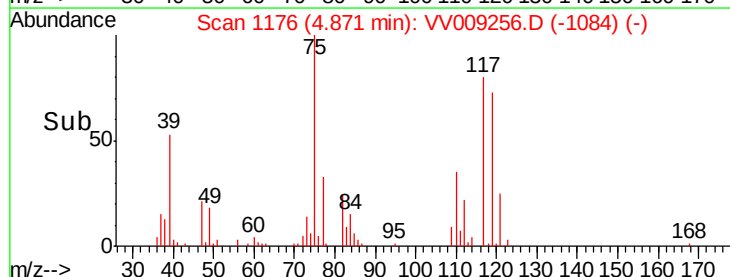
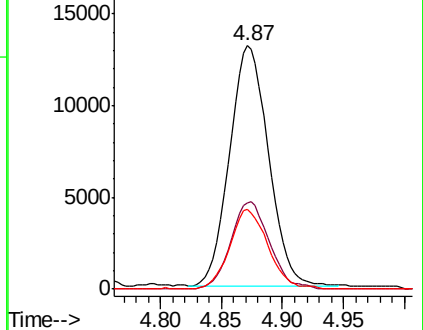
77 32.7 25.5 38.3

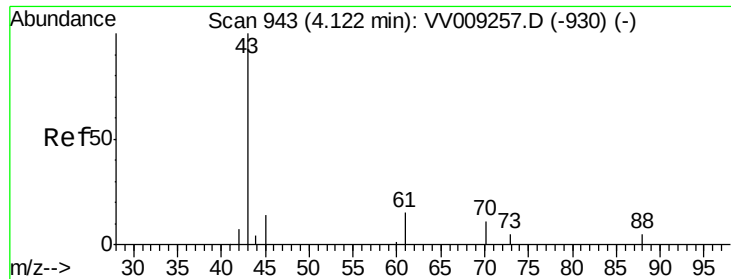


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

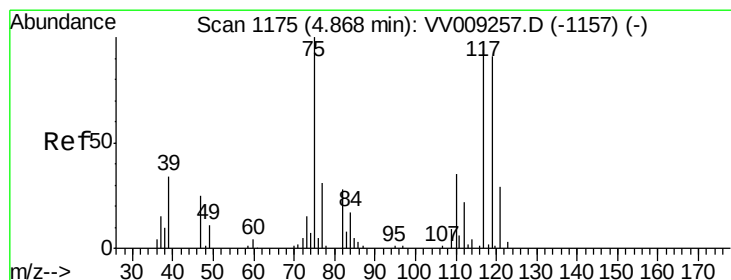
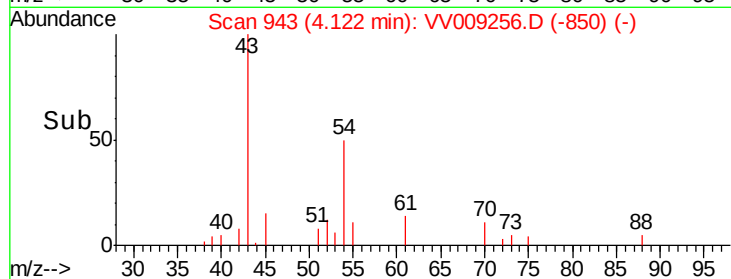
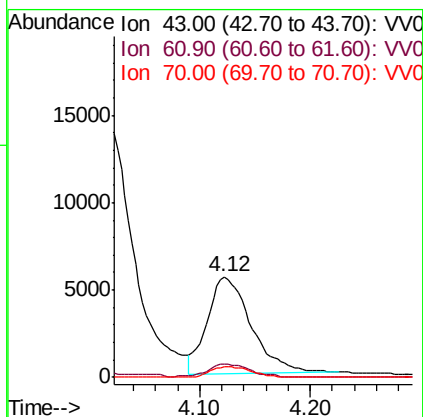
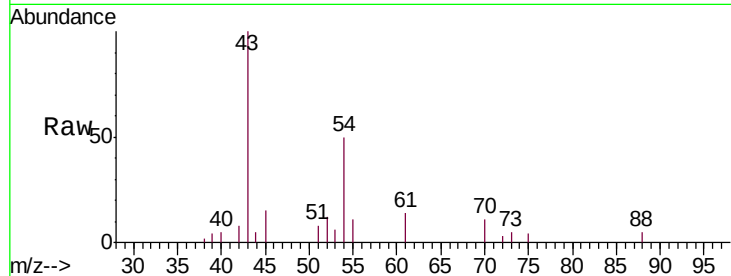




#37
Ethyl Acetate
Concen: 25.103 ug/l
RT: 4.12 min Scan# 943
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

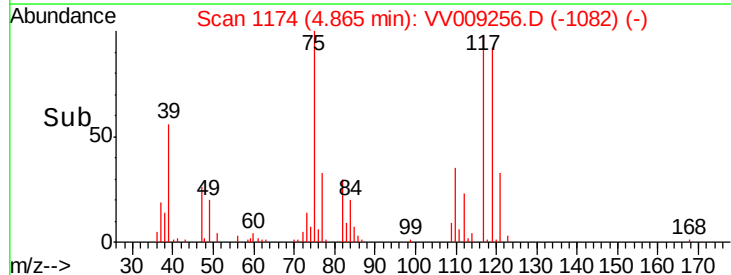
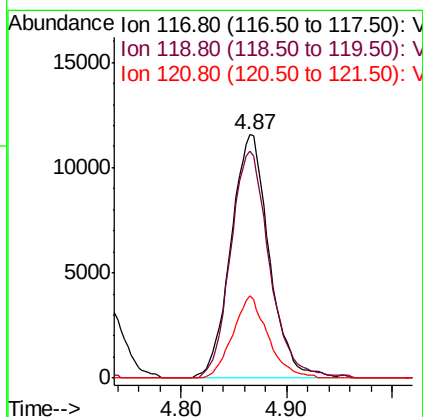
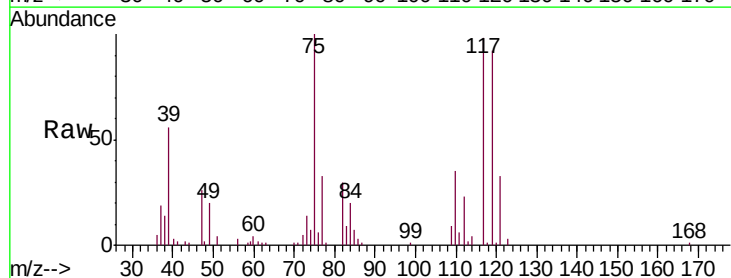
Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

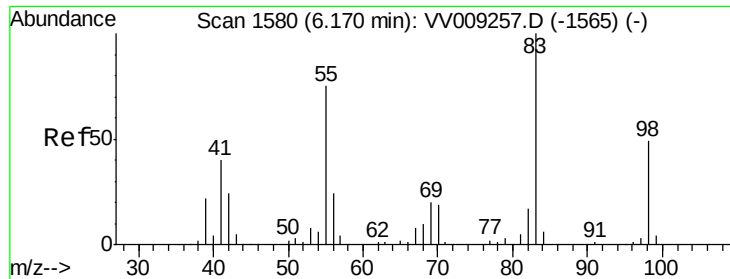
Tgt Ion: 43 Resp: 15284
Ion Ratio Lower Upper
43 100
61 9.7 10.6 15.8#
70 10.0 8.0 12.0



#38
Carbon Tetrachloride
Concen: 19.594 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 117 Resp: 29167
Ion Ratio Lower Upper
117 100
119 93.2 77.4 116.2
121 33.6 24.8 37.2





#39

Methylcyclohexane

Concen: 20.526 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

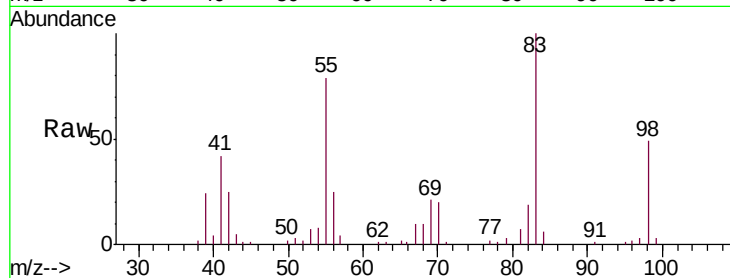
Tgt Ion: 83 Resp: 36644

Ion Ratio Lower Upper

83 100

55 79.3 60.1 90.1

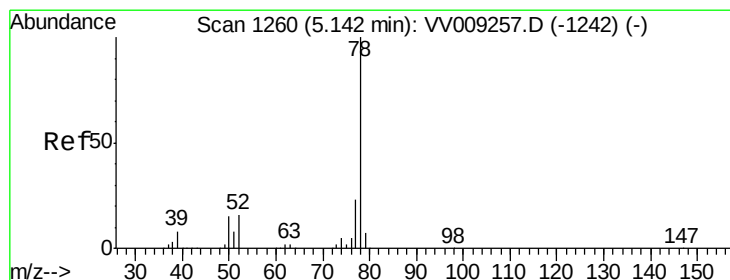
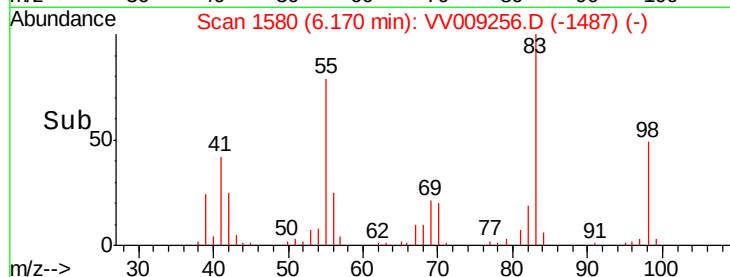
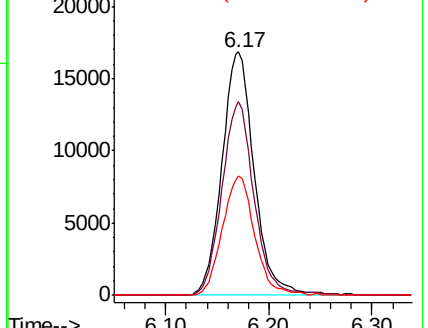
98 49.1 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV009256.D (-1487) (-)

Ion 55.00 (54.70 to 55.70): VV009256.D (-1487) (-)

Ion 98.00 (97.70 to 98.70): VV009256.D (-1487) (-)



#40

Benzene

Concen: 20.420 ug/l

RT: 5.14 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VV009256.D

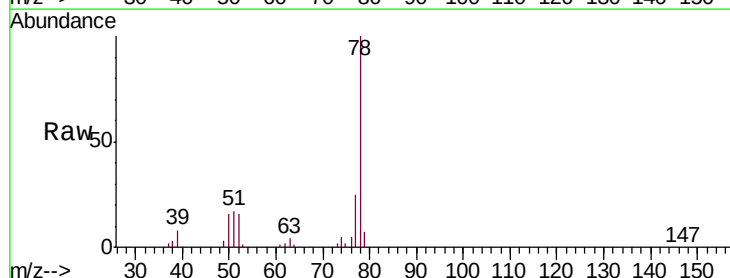
Acq: 24 Jan 2019 13:20

Tgt Ion: 78 Resp: 86013

Ion Ratio Lower Upper

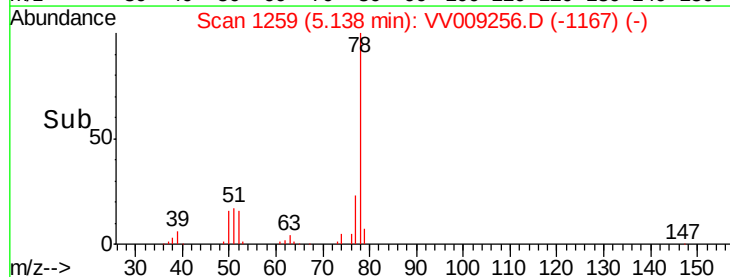
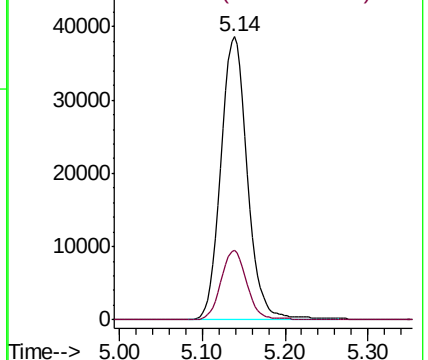
78 100

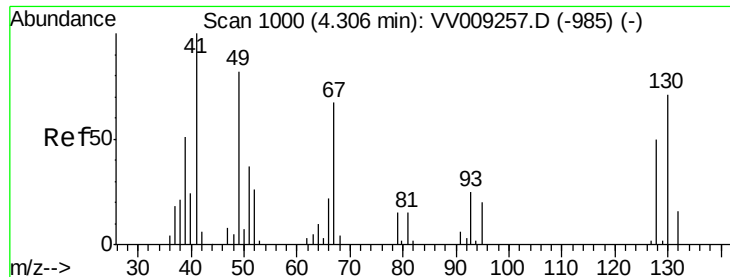
77 24.7 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VV009256.D (-1167) (-)

Ion 77.00 (76.70 to 77.70): VV009256.D (-1167) (-)

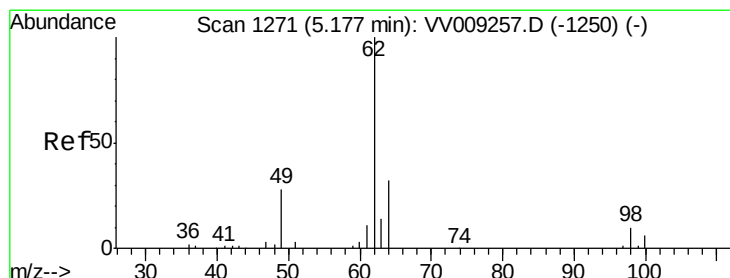
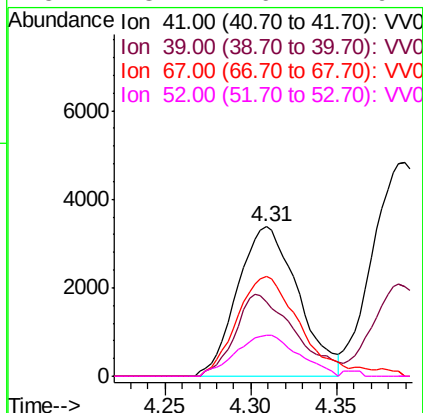
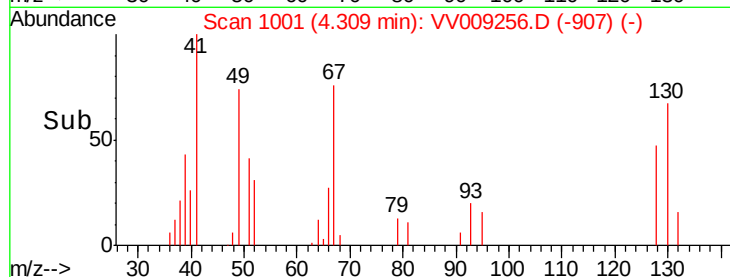
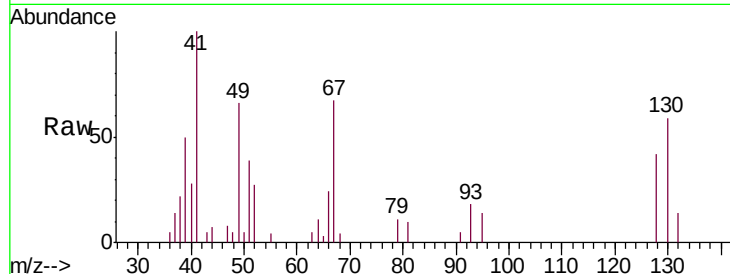




#41
Methacrylonitrile
Concen: 22.969 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

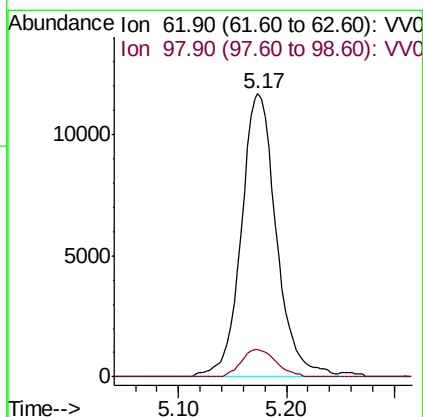
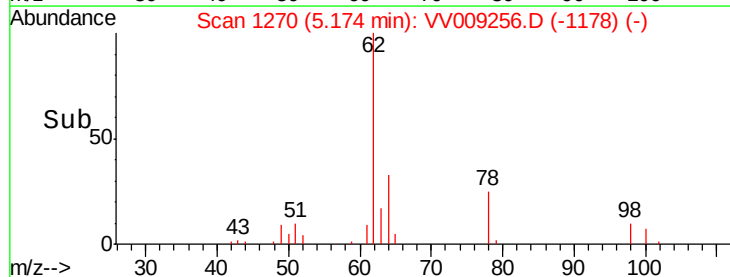
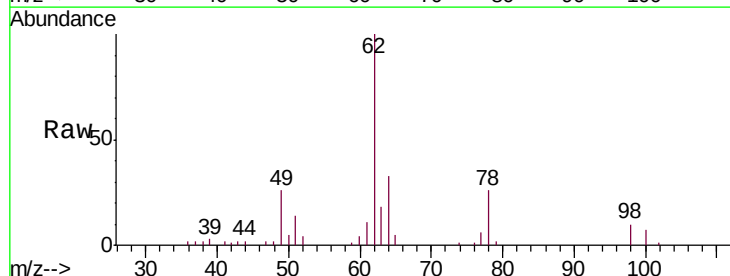
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

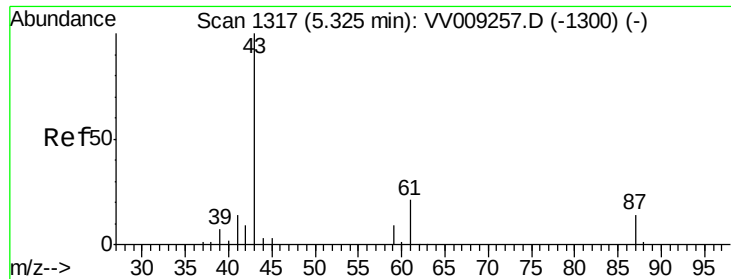
Tgt Ion:	41	Resp:	8298
Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.3	63.5
67	69.2	57.4	86.2
52	28.2	26.7	40.1



#42
1,2-Dichloroethane
Concen: 20.093 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:	62	Resp:	26505
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.2





#43

Isopropyl Acetate

Concen: 23.928 ug/l

RT: 5.33 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

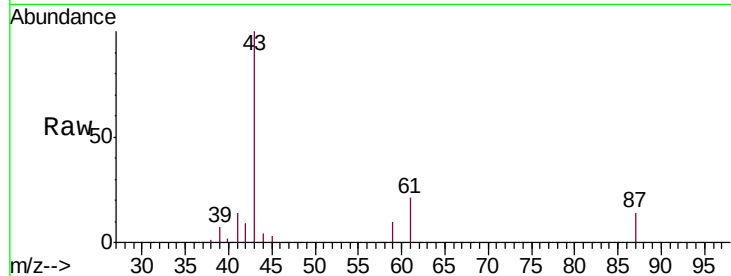
Tgt Ion: 43 Resp: 28330

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.6

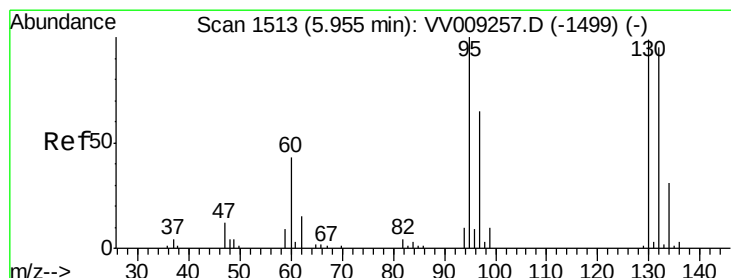
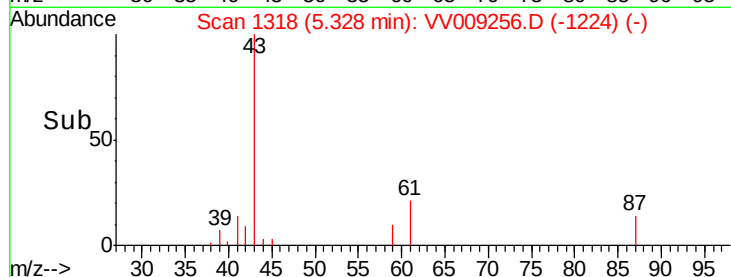
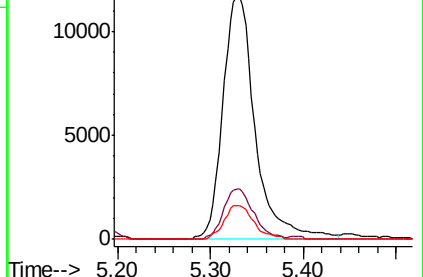
87 12.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-1300) (-)

Ion 61.00 (60.70 to 61.70): VV009257.D (-1300) (-)

Ion 87.00 (86.70 to 87.70): VV009257.D (-1300) (-)



#44

Trichloroethene

Concen: 20.547 ug/l

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV009256.D

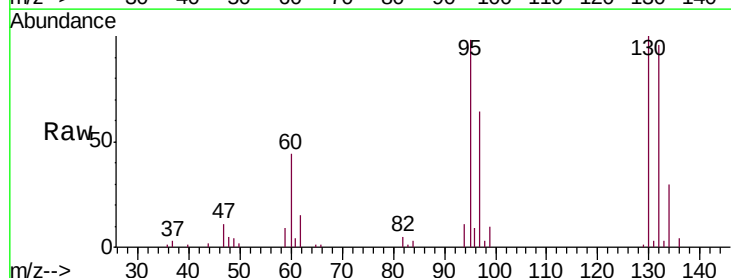
Acq: 24 Jan 2019 13:20

Tgt Ion: 130 Resp: 22823

Ion Ratio Lower Upper

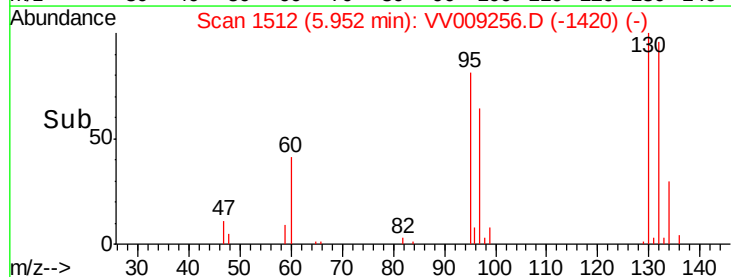
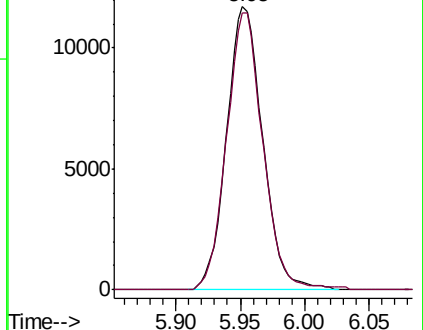
130 100

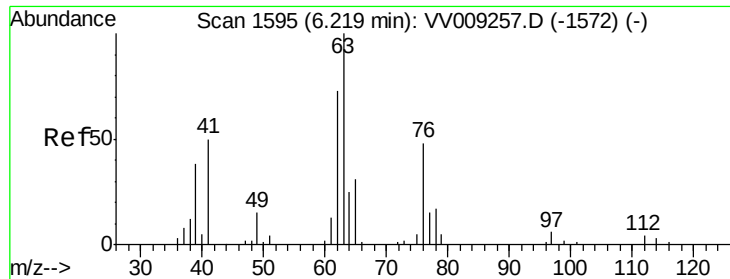
95 98.0 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VV009257.D (-1499) (-)

Ion 94.90 (94.60 to 95.60): VV009257.D (-1499) (-)

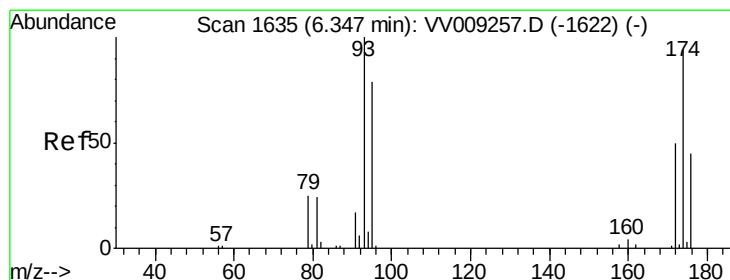
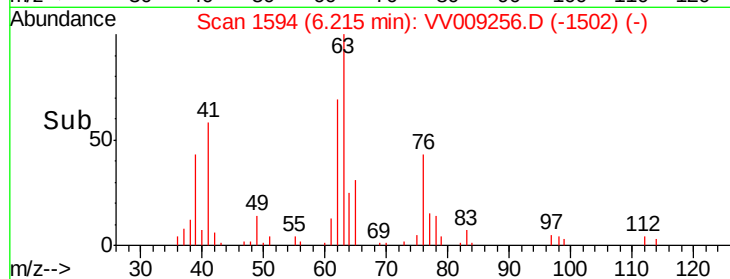
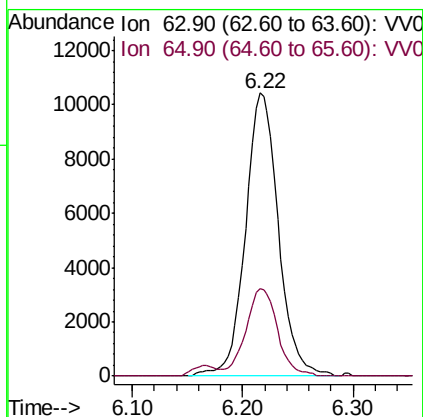
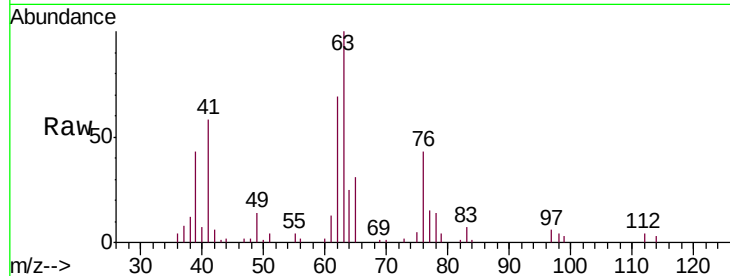




#45
 1,2-Dichloropropane
 Concen: 21.202 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

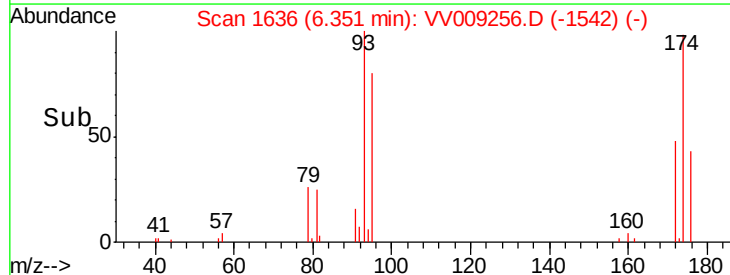
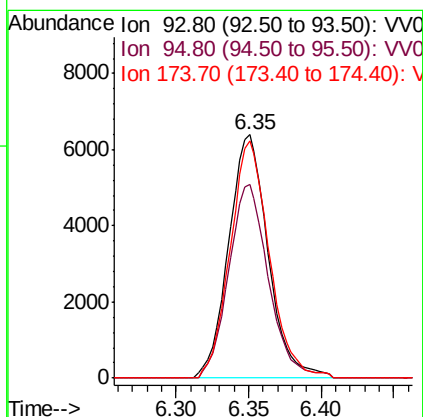
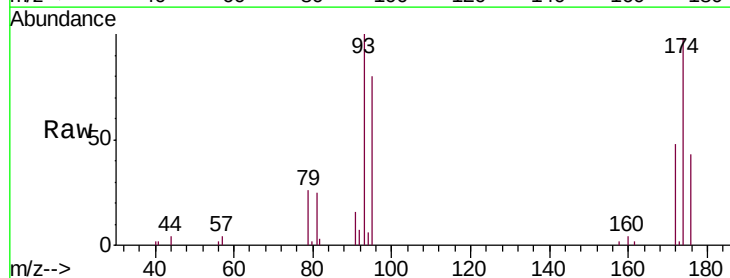
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

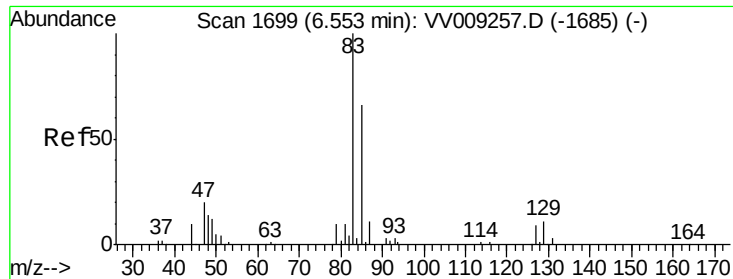
Tgt Ion: 63 Resp: 21572
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.2



#46
 Dibromomethane
 Concen: 22.829 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 93 Resp: 12079
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.3 97.9
 174 96.8 77.0 115.4





#47

Bromodichloromethane

Concen: 20.257 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

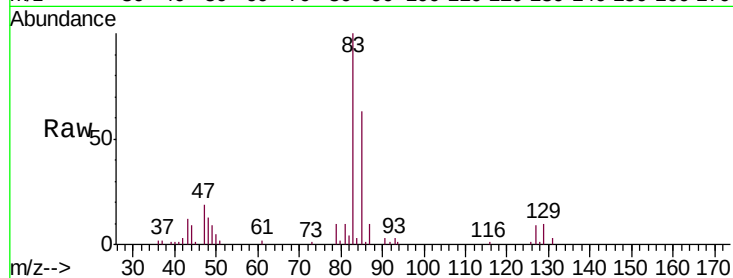
Tgt Ion: 83 Resp: 27829

Ion Ratio Lower Upper

83 100

85 63.1 52.6 79.0

127 8.5 7.0 10.6

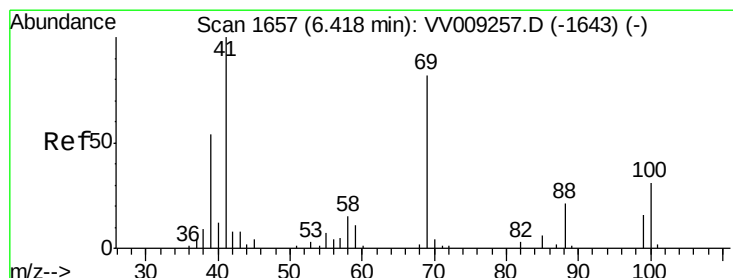
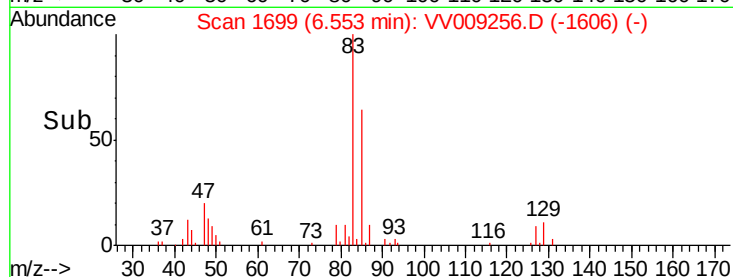


Abundance Ion 82.90 (82.60 to 83.60): VV009257.D (-1685) (-)

Ion 84.90 (84.60 to 85.60): VV009257.D (-1685) (-)

Ion 126.80 (126.50 to 127.50): VV009257.D (-1685) (-)

Time-->



#48

Methyl methacrylate

Concen: 22.888 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

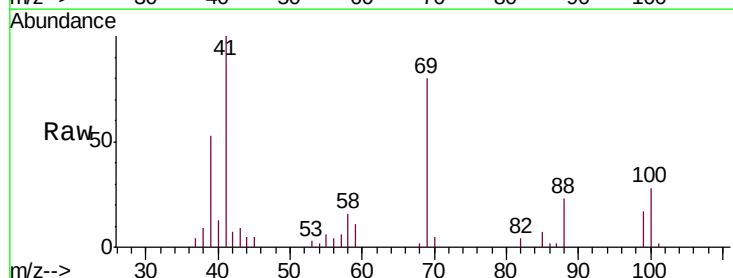
Tgt Ion: 41 Resp: 13759

Ion Ratio Lower Upper

41 100

69 81.9 68.6 103.0

39 53.5 43.2 64.8

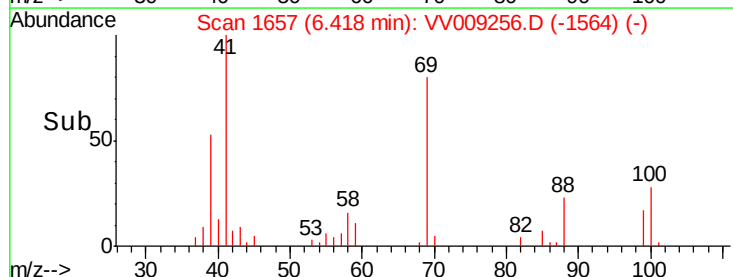


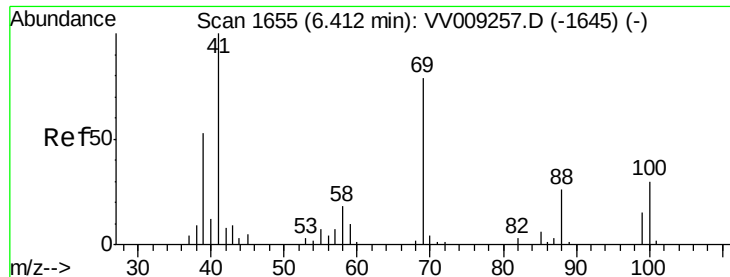
Abundance Ion 41.00 (40.70 to 41.70): VV009257.D (-1643) (-)

Ion 69.00 (68.70 to 69.70): VV009257.D (-1643) (-)

Ion 39.00 (38.70 to 39.70): VV009257.D (-1643) (-)

Time-->

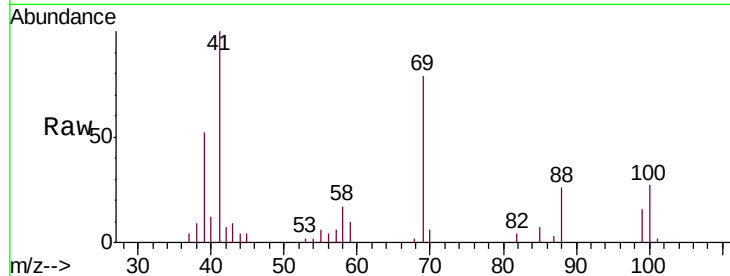




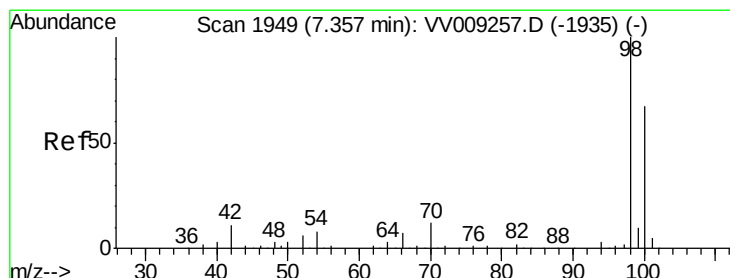
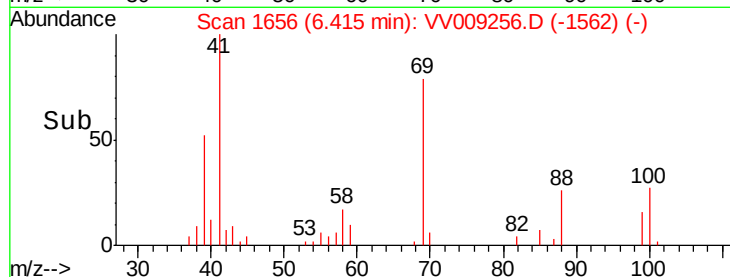
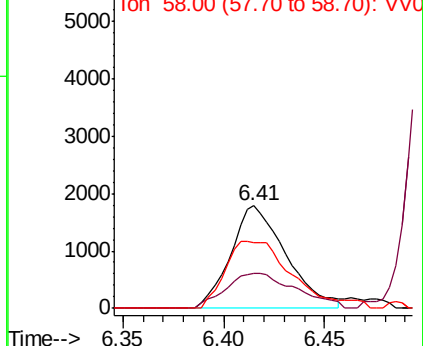
#49
1,4-Dioxane
Concen: 481.580 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 3415
Ion Ratio Lower Upper
88 100
43 43.7 28.3 42.5#
58 79.6 50.0 75.0#

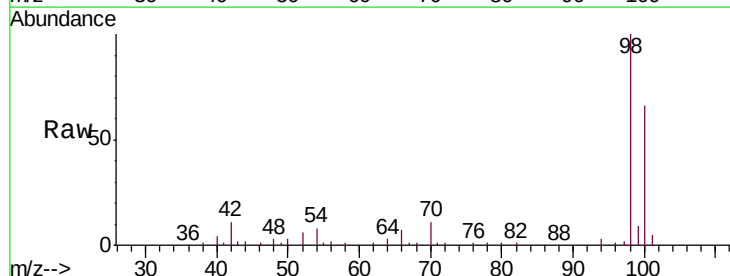


Abundance Ion 88.00 (87.70 to 88.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0

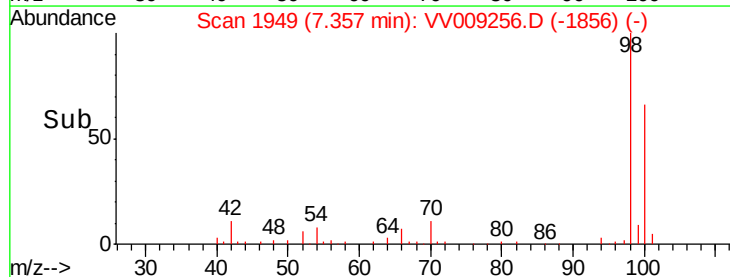
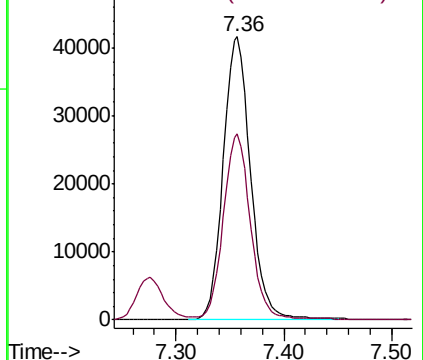


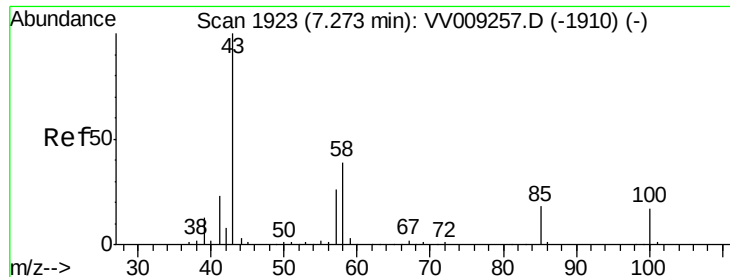
#50
Toluene-d8
Concen: 20.682 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 98 Resp: 73541
Ion Ratio Lower Upper
98 100
100 64.1 53.2 79.8



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: 119.912 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

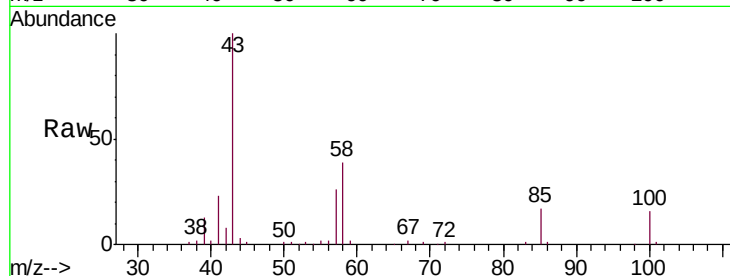
VSTDIC020

Tgt Ion: 43 Resp: 72427

Ion Ratio Lower Upper

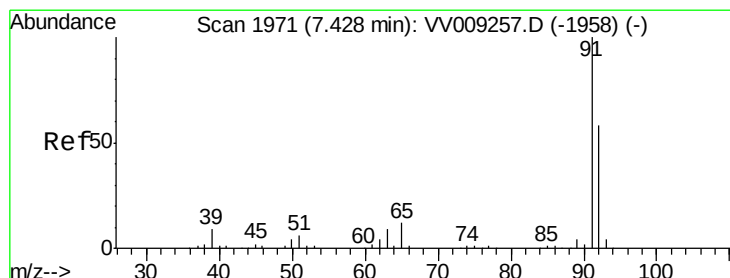
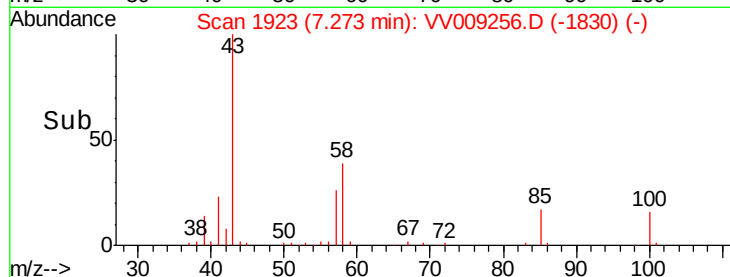
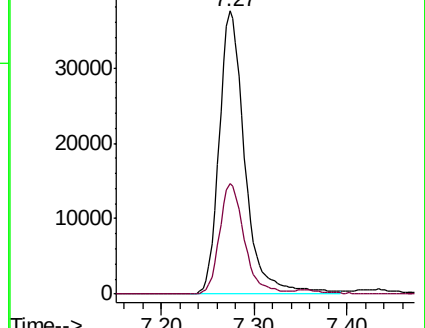
43 100

58 37.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VV009257.D (-1910) (-)

Ion 58.00 (57.70 to 58.70): VV009257.D (-1910) (-)



#52

Toluene

Concen: 20.136 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009256.D

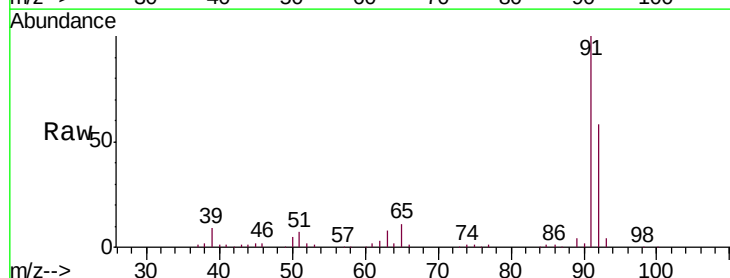
Acq: 24 Jan 2019 13:20

Tgt Ion: 92 Resp: 53511

Ion Ratio Lower Upper

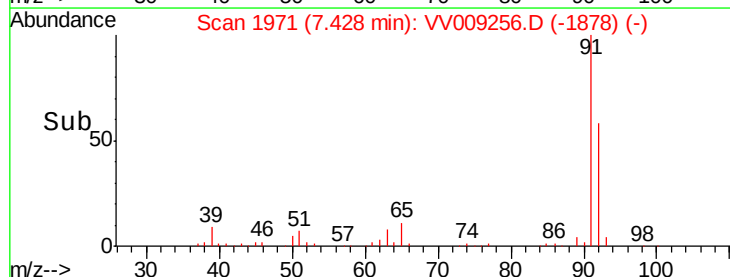
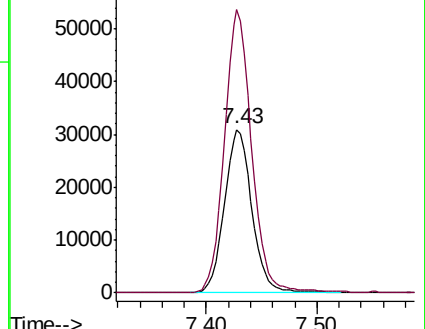
92 100

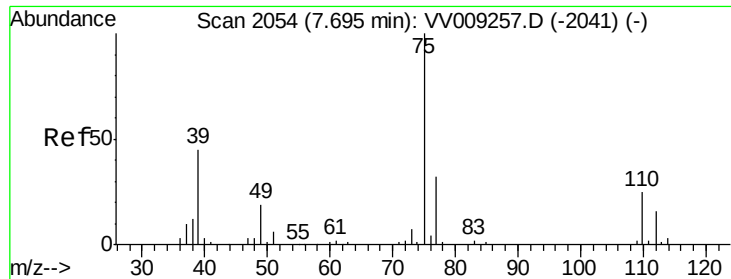
91 171.4 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV009257.D (-1958) (-)

Ion 91.00 (90.70 to 91.70): VV009257.D (-1958) (-)





#53

t-1,3-Dichloropropene

Concen: 20.359 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

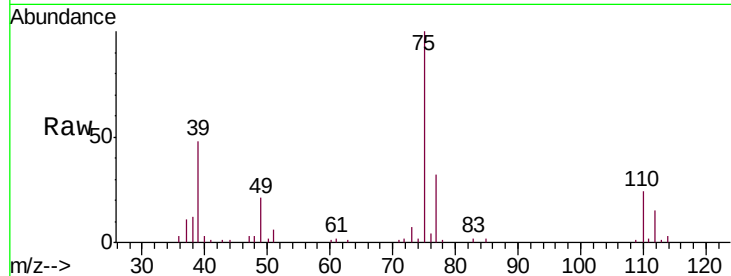
VSTDIC020

Tgt Ion: 75 Resp: 27418

Ion Ratio Lower Upper

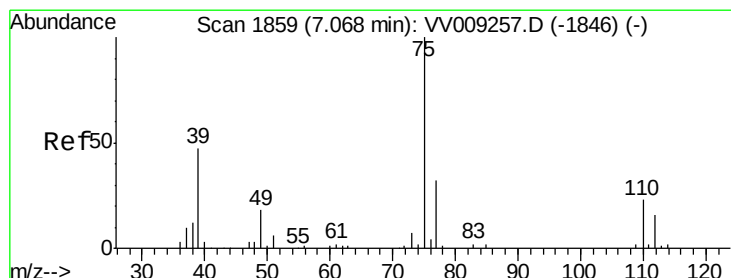
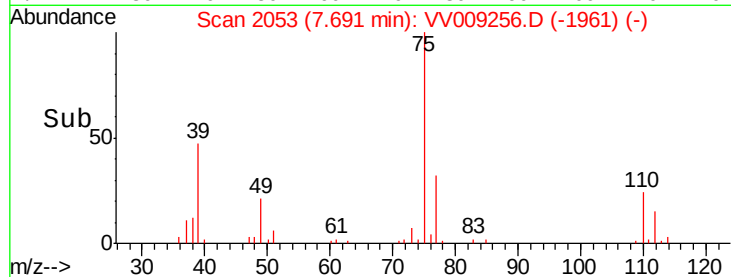
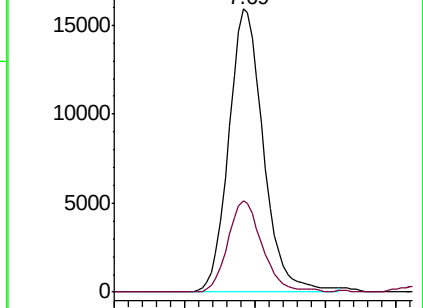
75 100

77 32.2 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-2041) (-)

Ion 76.90 (76.60 to 77.60): VV009257.D (-2041) (-)



#54

cis-1,3-Dichloropropene

Concen: 20.236 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

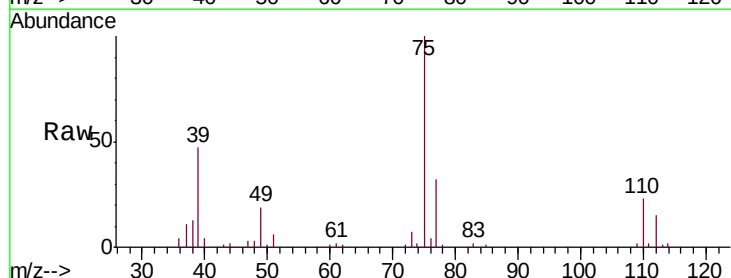
Tgt Ion: 75 Resp: 31241

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

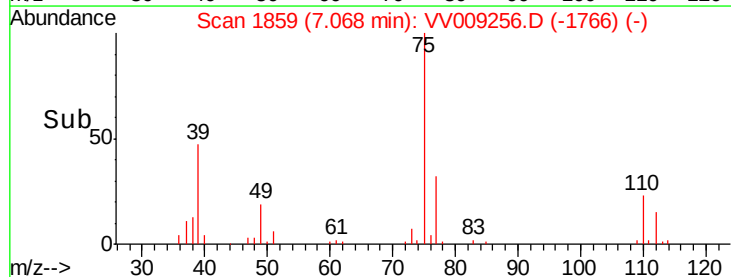
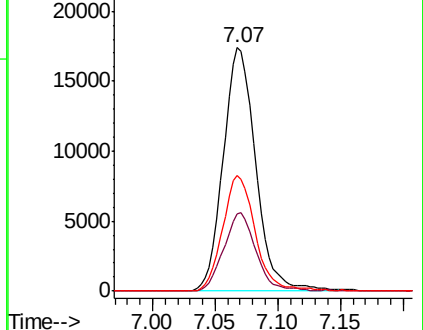
39 47.5 38.0 57.0

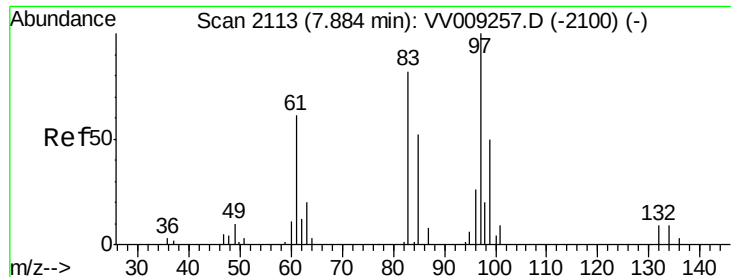


Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-1846) (-)

Ion 76.90 (76.60 to 77.60): VV009257.D (-1846) (-)

Ion 39.00 (38.70 to 39.70): VV009257.D (-1846) (-)

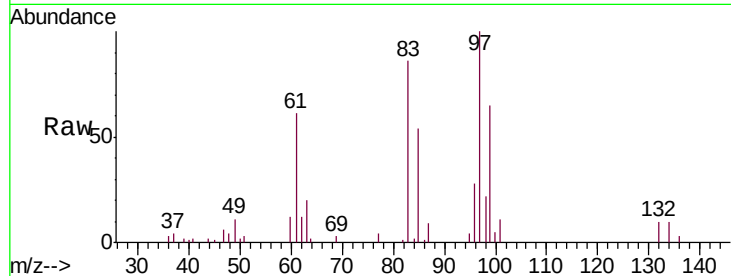




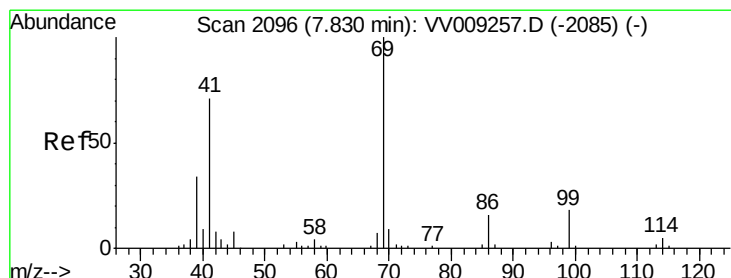
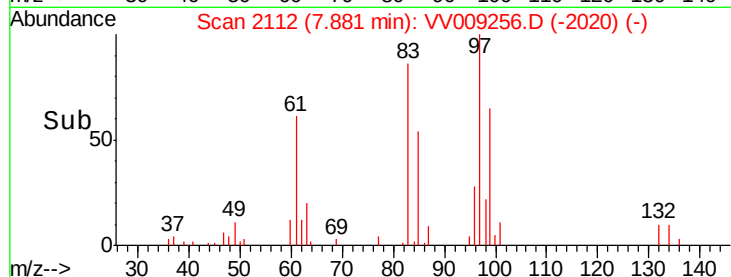
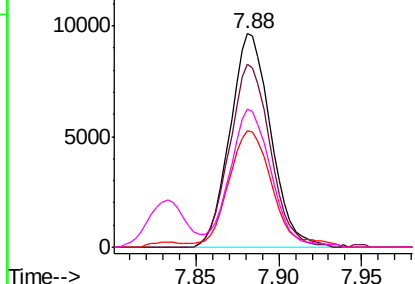
#55
 1,1,2-Trichloroethane
 Concen: 22.012 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	16520
Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.6	98.4
85	52.9	41.8	62.8
99	63.6	49.8	74.8

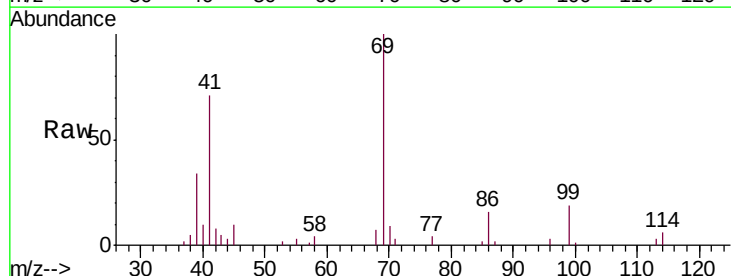


Abundance Ion 96.90 (96.60 to 97.60): VV0
 15000 Ion 82.90 (82.60 to 83.60): VV0
 Ion 84.90 (84.60 to 85.60): VV0
 Ion 98.90 (98.60 to 99.60): VV0

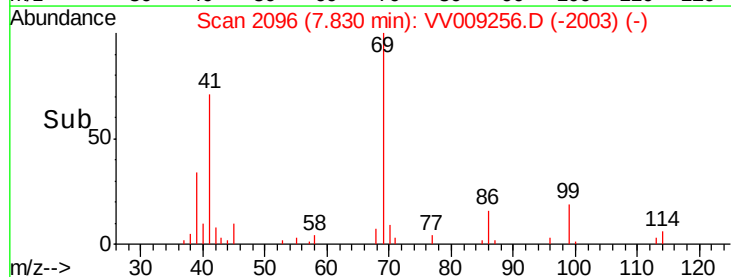
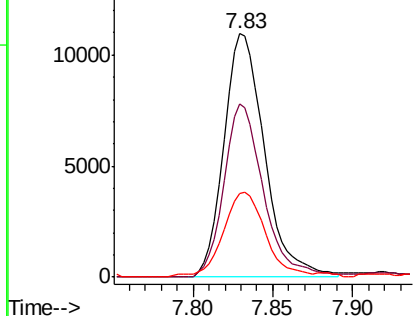


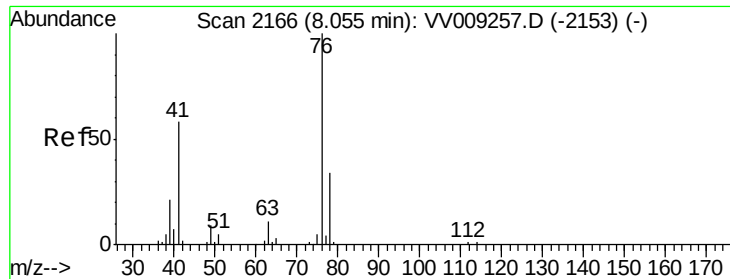
#56
 Ethyl methacrylate
 Concen: 21.827 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion:	69	Resp:	19048
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.6	81.8
39	37.1	27.0	40.4



Abundance Ion 69.00 (68.70 to 69.70): VV0
 15000 Ion 41.00 (40.70 to 41.70): VV0
 Ion 39.00 (38.70 to 39.70): VV0

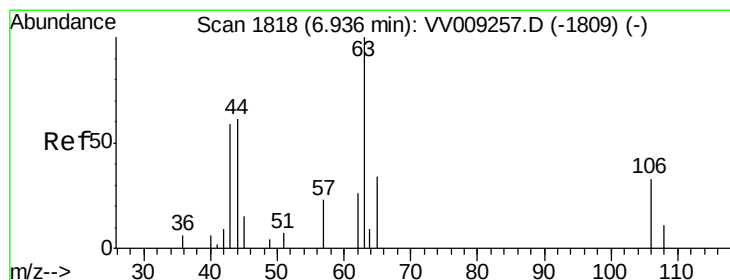
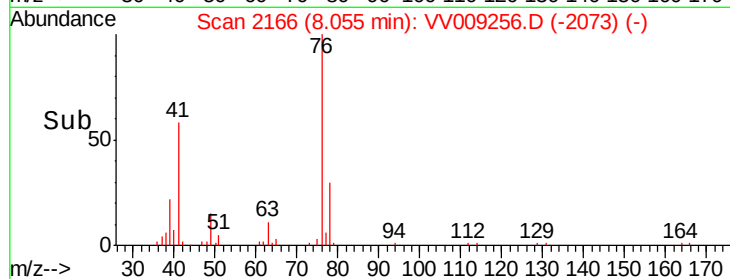
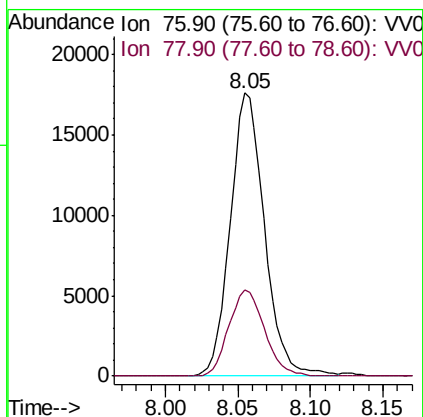
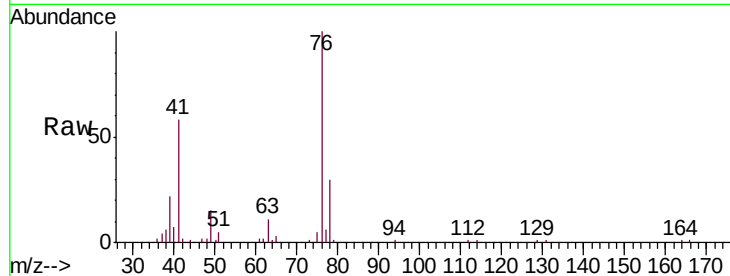




#57
 1,3-Dichloropropane
 Concen: 21.547 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

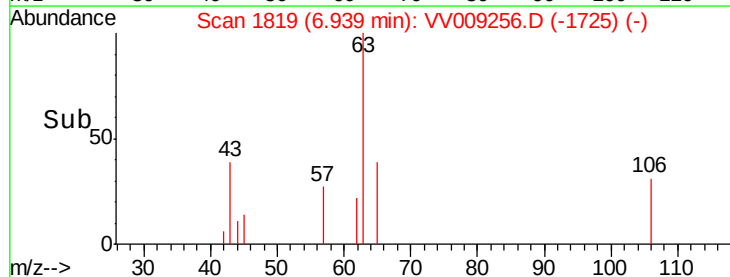
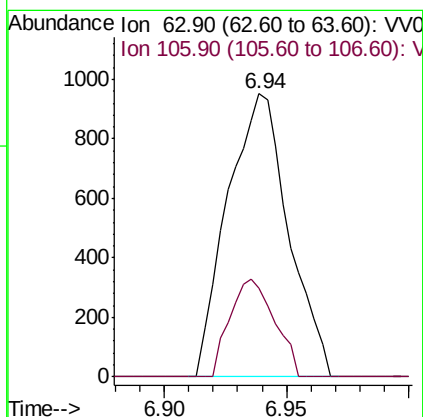
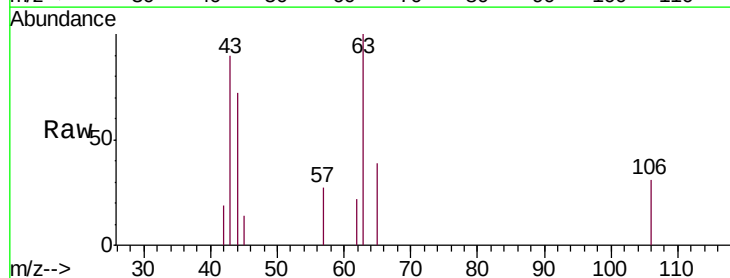
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

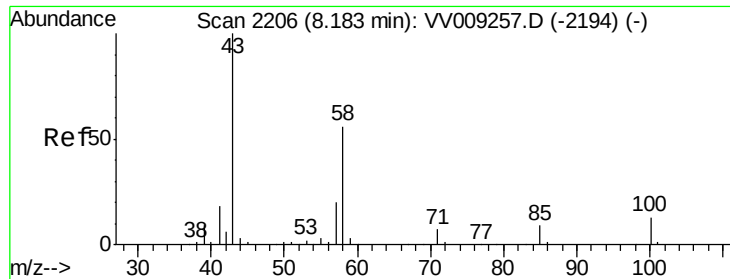
Tgt Ion: 76 Resp: 28951
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.558 ug/l
 RT: 6.94 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 63 Resp: 1649
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.0 31.6

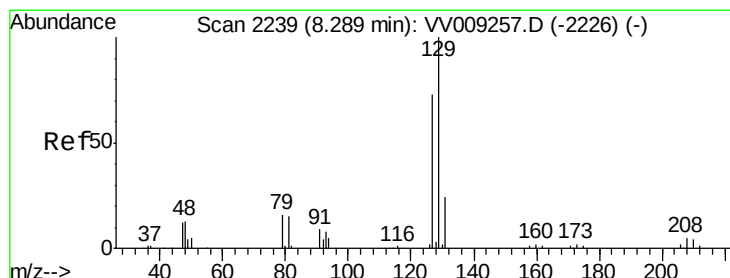
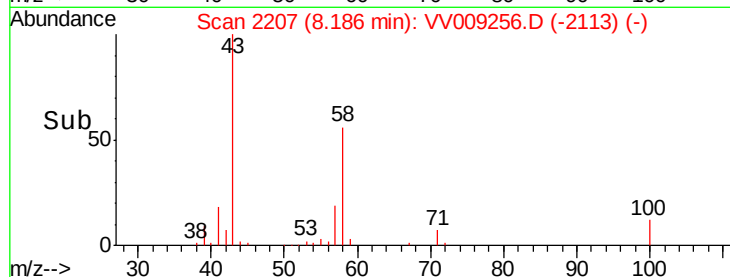
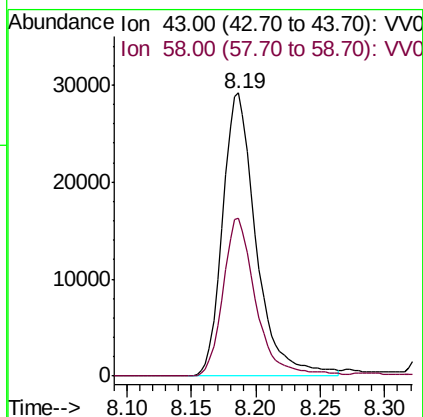
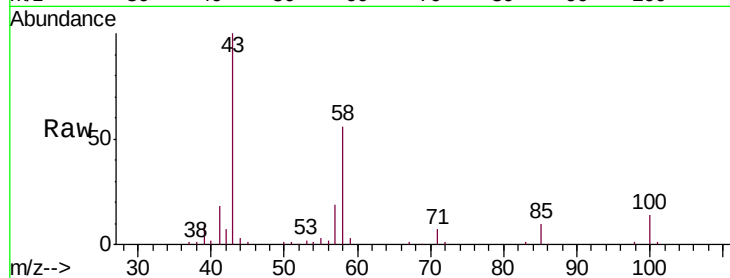




#59
2-Hexanone
Concen: 121.483 ug/l
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

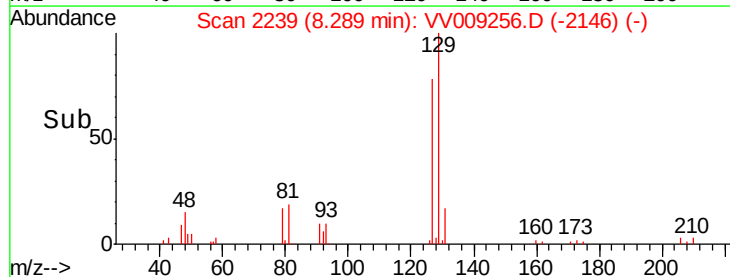
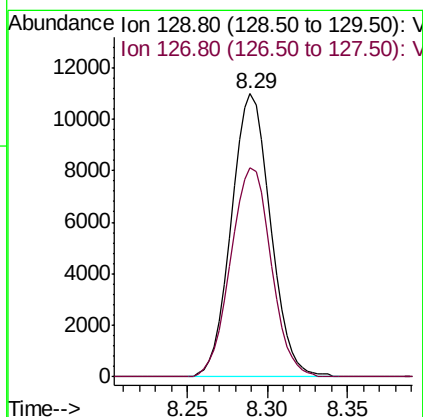
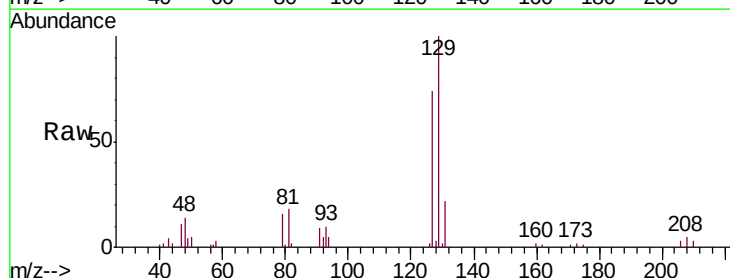
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

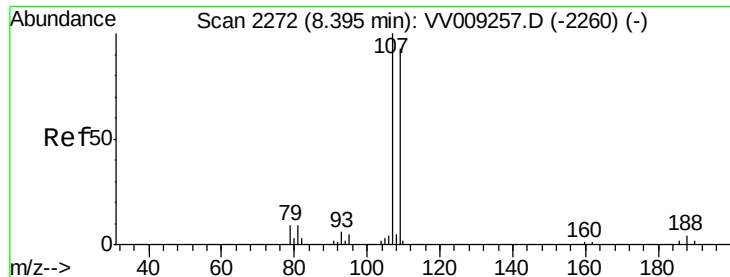
Tgt Ion: 43 Resp: 52823
Ion Ratio Lower Upper
43 100
58 54.5 27.9 83.7



#60
Dibromochloromethane
Concen: 21.028 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 129 Resp: 18324
Ion Ratio Lower Upper
129 100
127 76.4 37.9 113.6





#61

1,2-Dibromoethane

Concen: 22.210 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

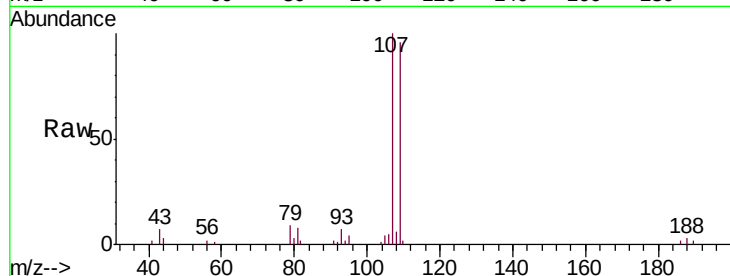
VSTDIC020

Tgt Ion: 107 Resp: 16279

Ion Ratio Lower Upper

107 100

109 95.5 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

10000

8000

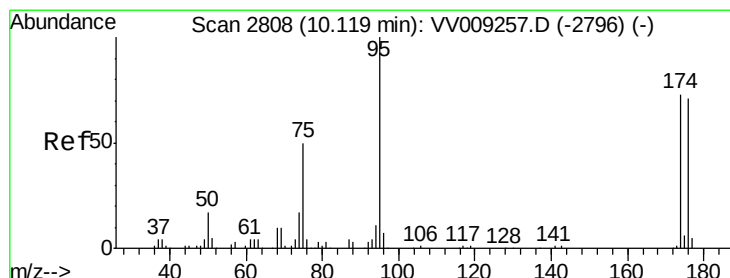
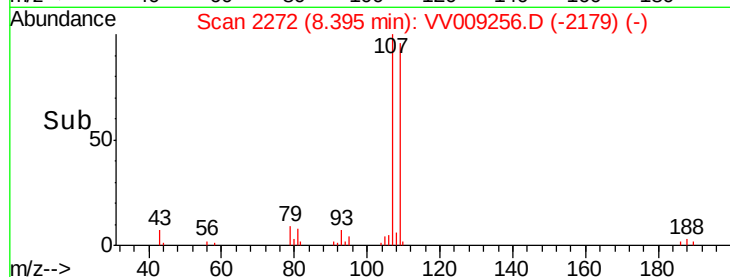
6000

4000

2000

0

Time--> 8.35 8.40 8.45



#62

4-Bromofluorobenzene

Concen: 20.142 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

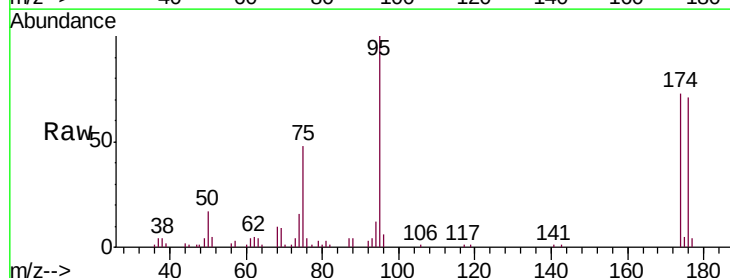
Tgt Ion: 95 Resp: 27207

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.0

176 72.0 0.0 144.0



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

10.12

20000

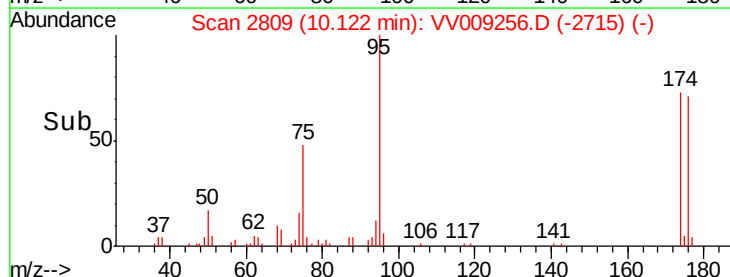
15000

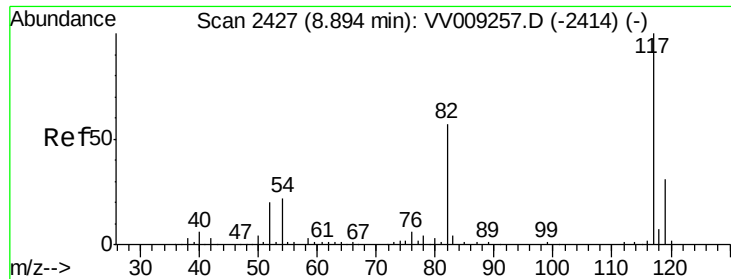
10000

5000

0

Time--> 10.05 10.10 10.15 10.20

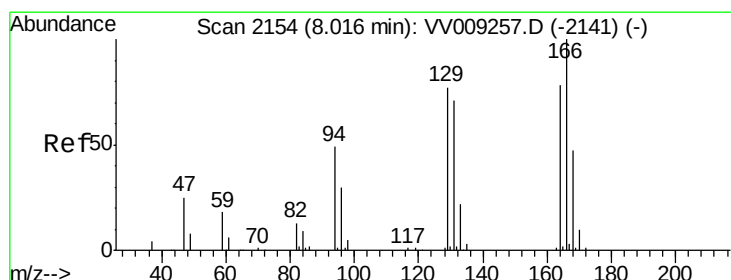
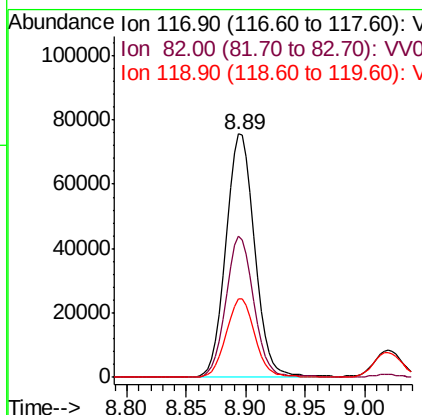
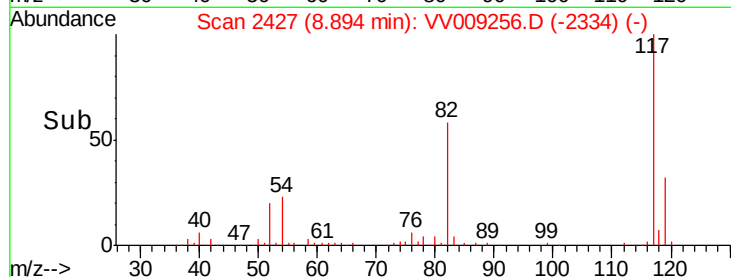
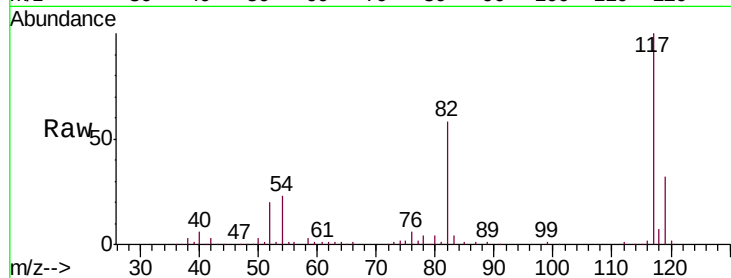




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

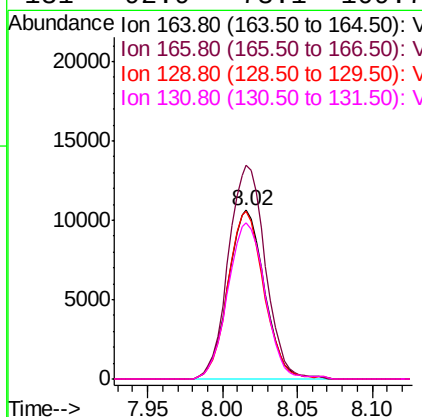
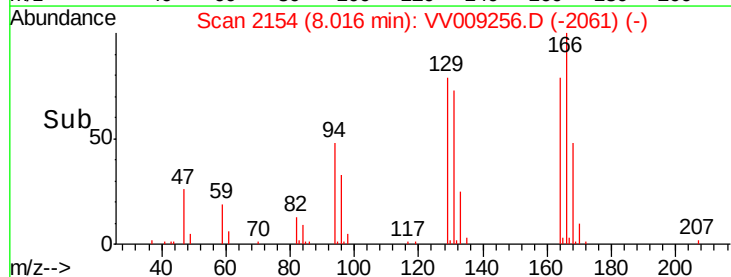
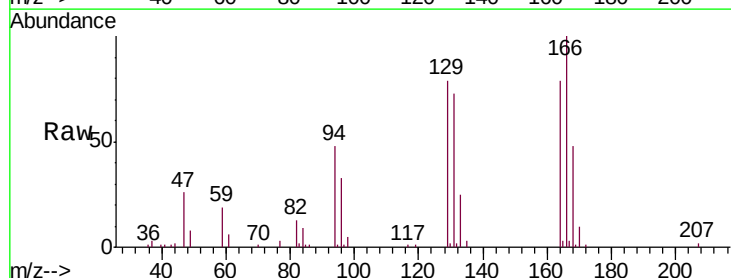
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

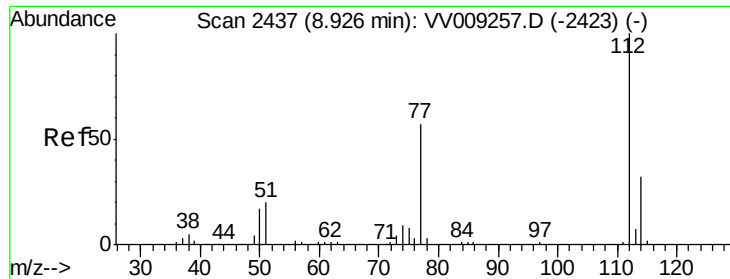
Tgt Ion:117 Resp: 127309
Ion Ratio Lower Upper
117 100
82 57.9 45.8 68.6
119 32.3 24.8 37.2



#64
Tetrachloroethene
Concen: 20.451 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:164 Resp: 18085
Ion Ratio Lower Upper
164 100
166 126.5 102.3 153.5
129 99.7 78.6 117.8
131 92.9 73.1 109.7





#65

Chlorobenzene

Concen: 20.420 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

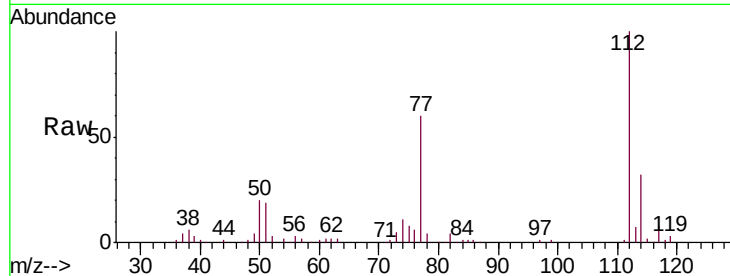
VSTDIC020

Tgt Ion:112 Resp: 59163

Ion Ratio Lower Upper

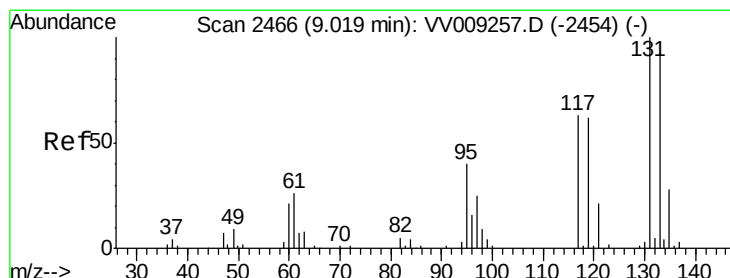
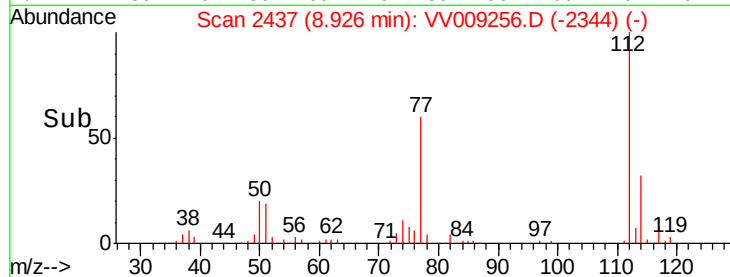
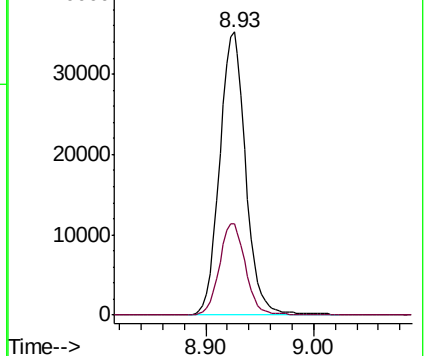
112 100

114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.427 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

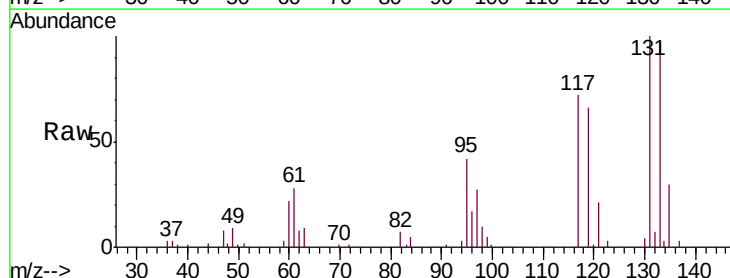
Tgt Ion:131 Resp: 20220

Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

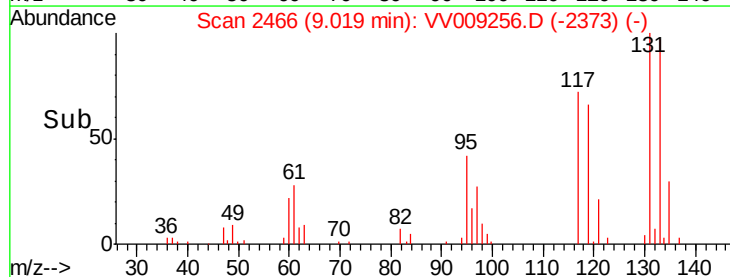
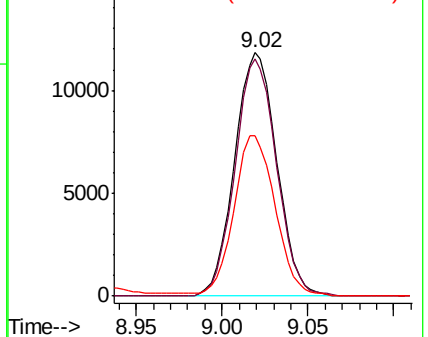
119 64.6 32.4 97.2

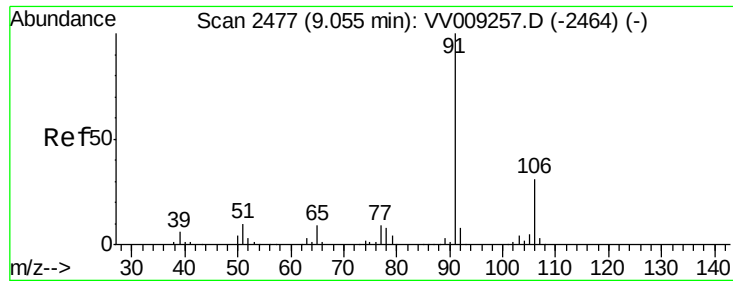


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.958 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

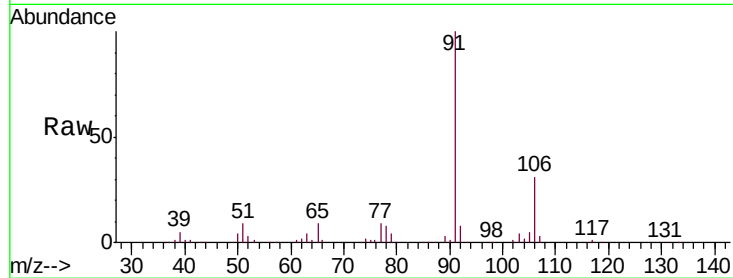
VSTDIC020

Tgt Ion: 91 Resp: 102194

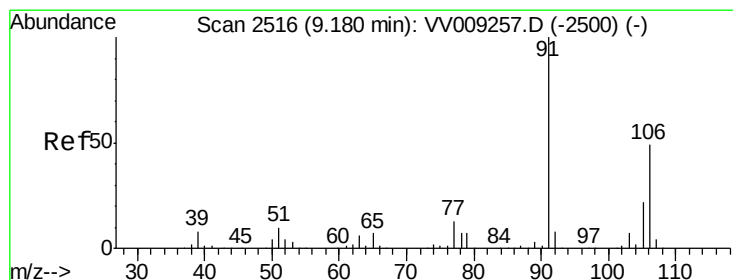
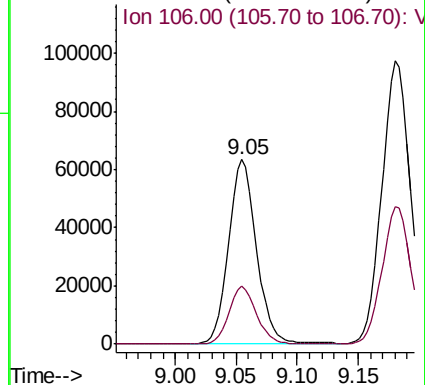
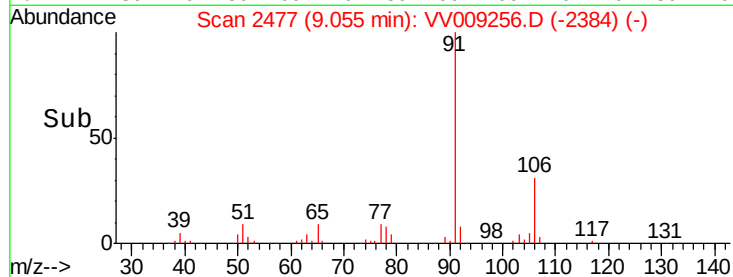
Ion Ratio Lower Upper

91 100

106 31.1 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009256.D (-2384) (-)



#68

m/p-Xylenes

Concen: 40.679 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009256.D

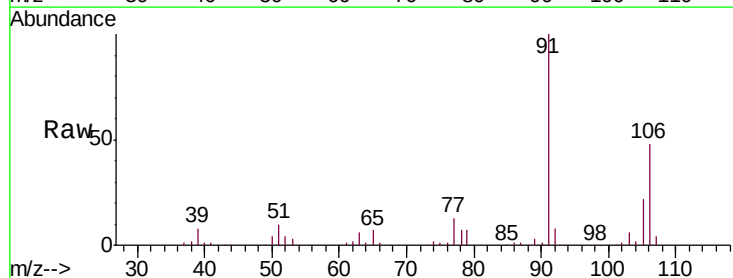
Acq: 24 Jan 2019 13:20

Tgt Ion: 106 Resp: 79326

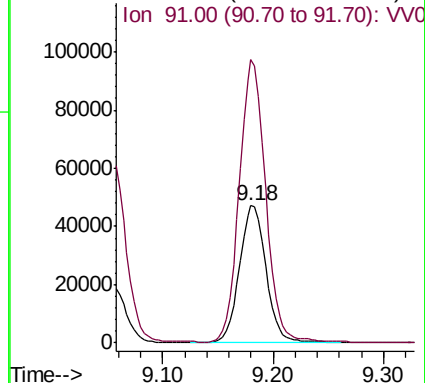
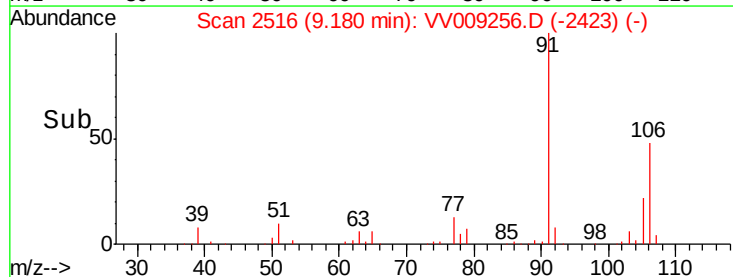
Ion Ratio Lower Upper

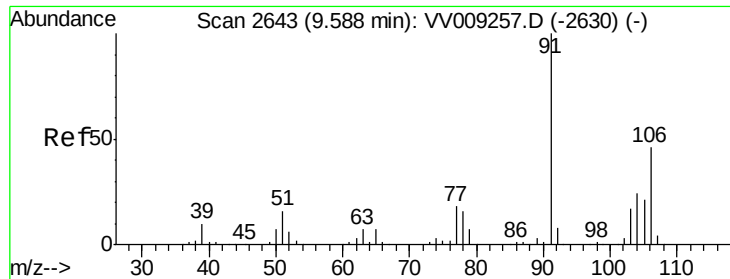
106 100

91 203.1 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): VV009256.D (-2423) (-)

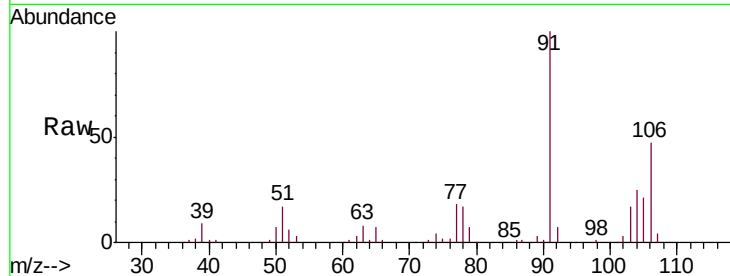




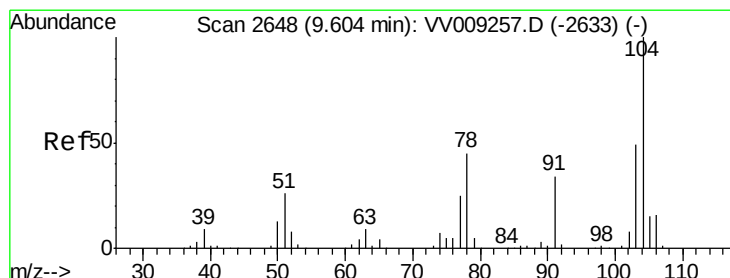
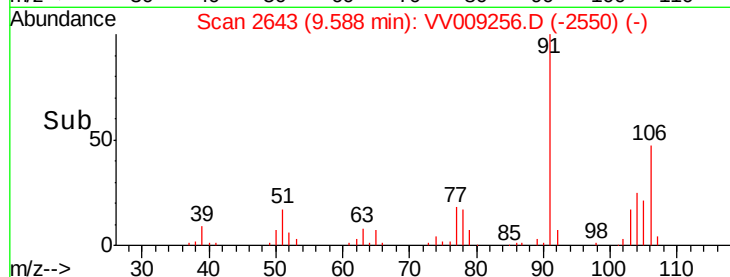
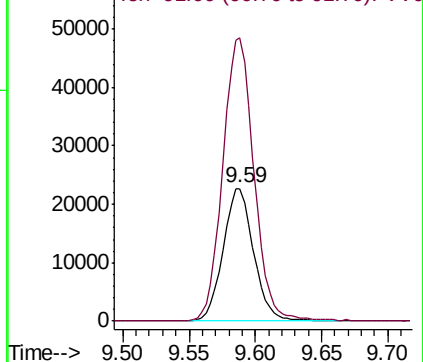
#69
o-Xylene
Concen: 20.096 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampled :
VSTDIC020

Tgt Ion:106 Resp: 36292
Ion Ratio Lower Upper
106 100
91 218.6 108.3 324.9

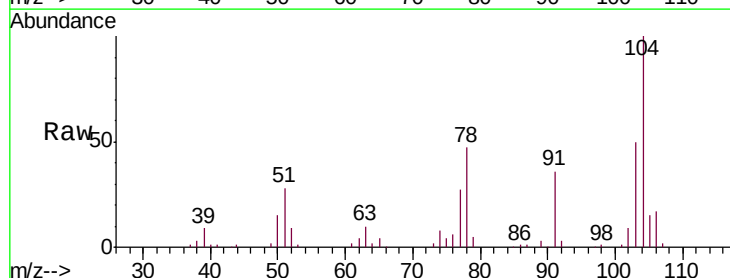


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

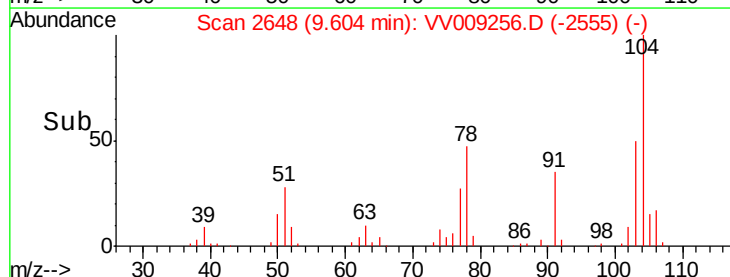
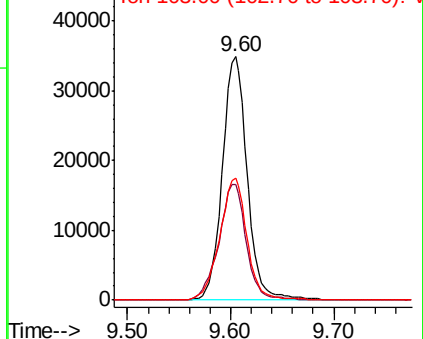


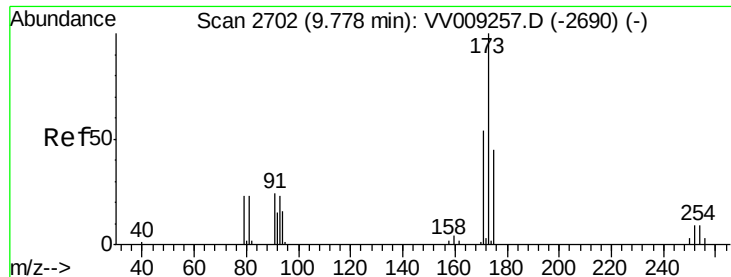
#70
Styrene
Concen: 20.253 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:104 Resp: 58681
Ion Ratio Lower Upper
104 100
78 52.1 40.6 60.8
103 54.9 43.3 64.9



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





#71

Bromoform

Concen: 21.805 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

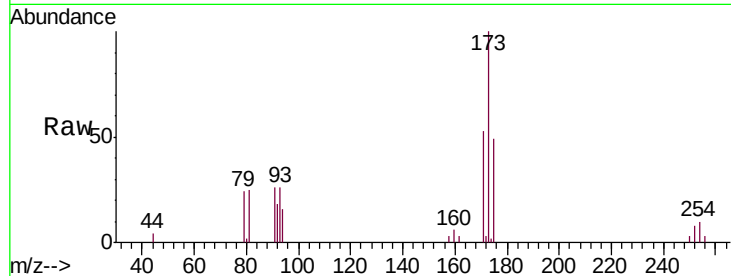
Tgt Ion:173 Resp: 10385

Ion Ratio Lower Upper

173 100

175 49.5 23.9 71.7

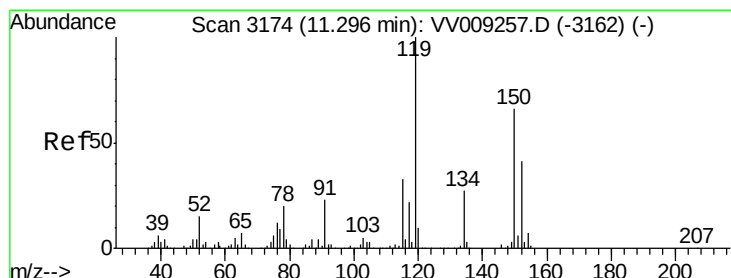
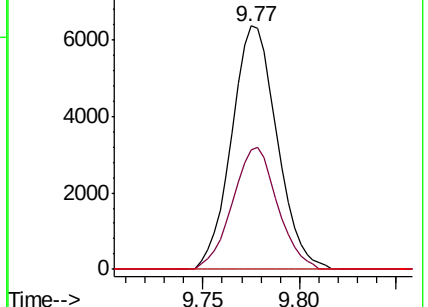
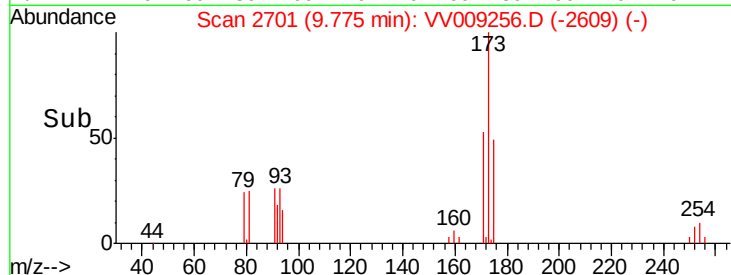
254 0.0 0.0 0.0



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: VV009256.D

Acq: 24 Jan 2019 13:20

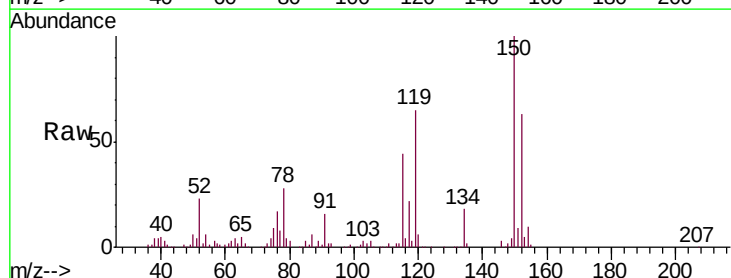
Tgt Ion:152 Resp: 64292

Ion Ratio Lower Upper

152 100

115 73.3 43.0 128.8

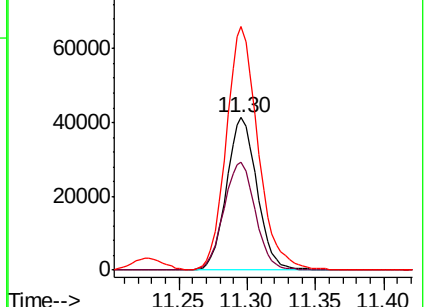
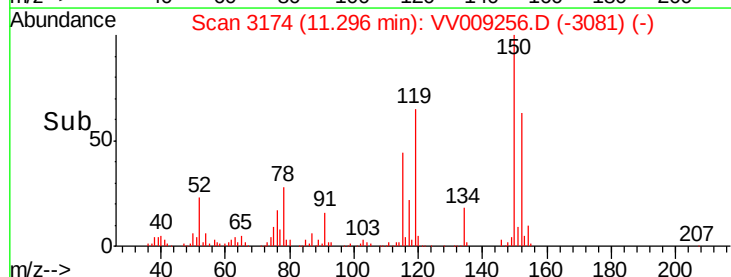
150 166.5 0.0 352.0

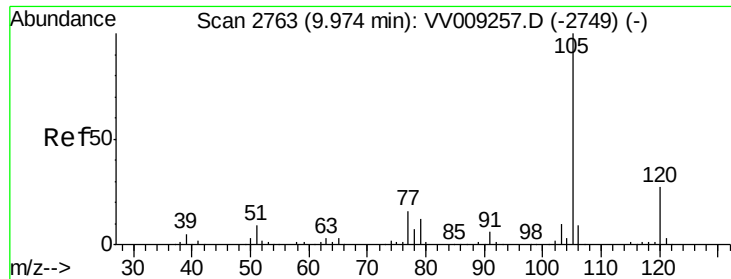


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.760 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

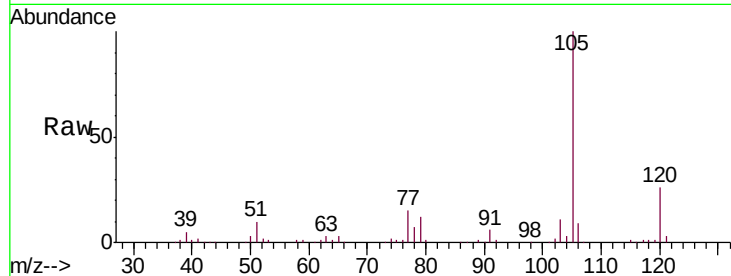
VSTDIC020

Tgt Ion: 105 Resp: 101640

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

9.97

60000

40000

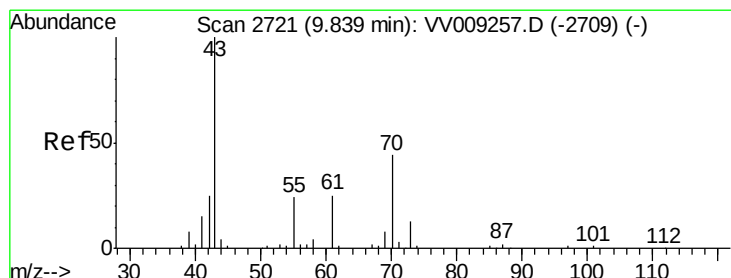
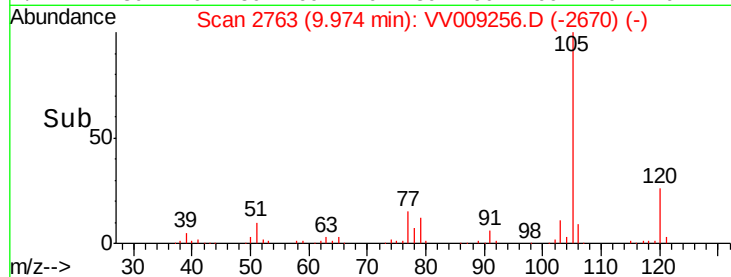
20000

0

Time-->

9.90

10.00



#74

N-amyl acetate

Concen: 22.738 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Tgt Ion: 43 Resp: 22469

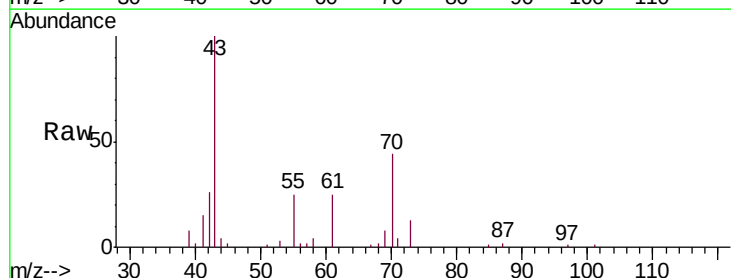
Ion Ratio Lower Upper

43 100

70 42.3 35.4 53.0

55 25.8 20.4 30.6

61 24.9 19.3 28.9



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

20000

15000

10000

5000

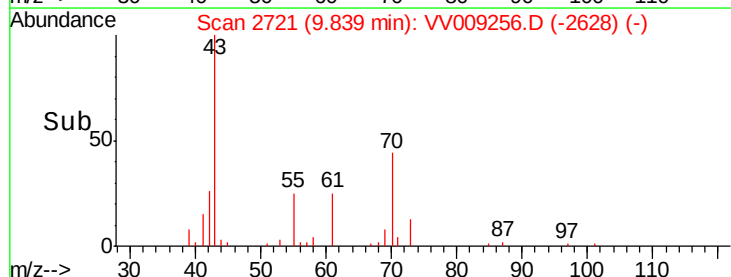
0

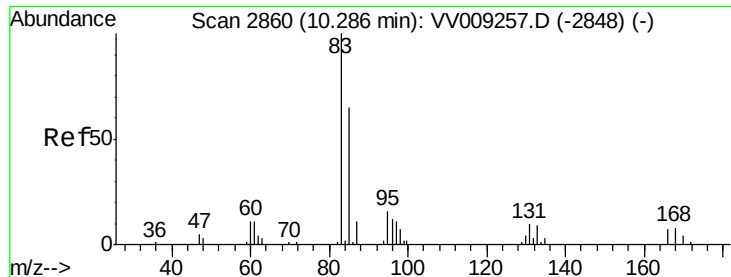
Time-->

9.80

9.85

9.90





#75

1,1,2,2-Tetrachloroethane

Concen: 22.837 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

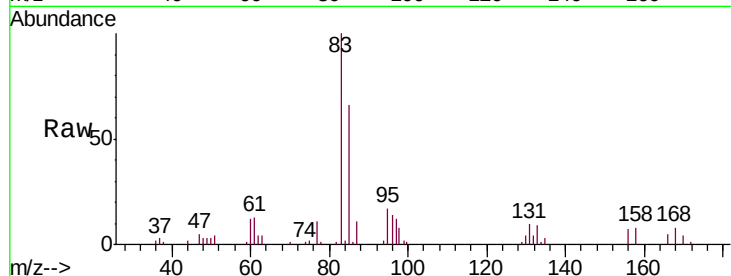
Tgt Ion: 83 Resp: 20605

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

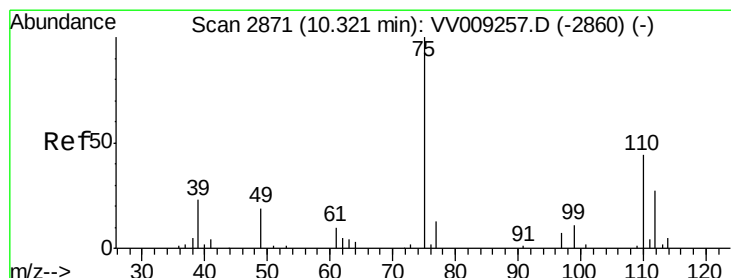
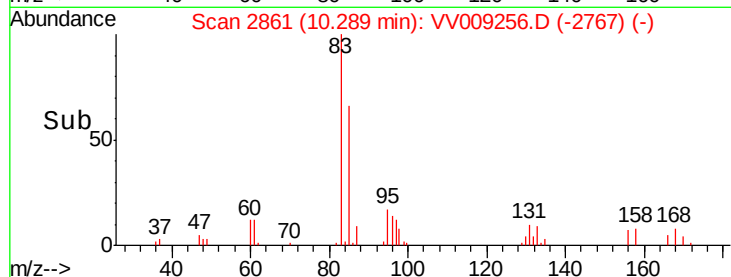
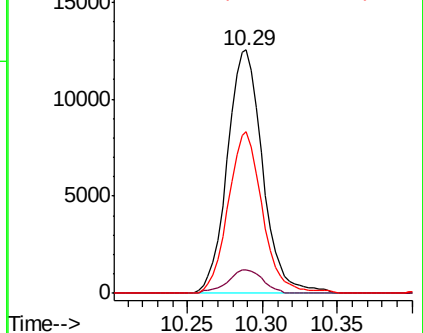
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VV009256.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009256.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009256.D (-2767) (-)



#76

1,2,3-Trichloropropane

Concen: 31.189 ug/l

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009256.D

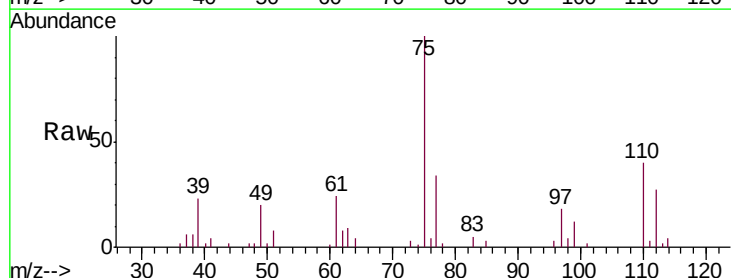
Acq: 24 Jan 2019 13:20

Tgt Ion: 75 Resp: 22003

Ion Ratio Lower Upper

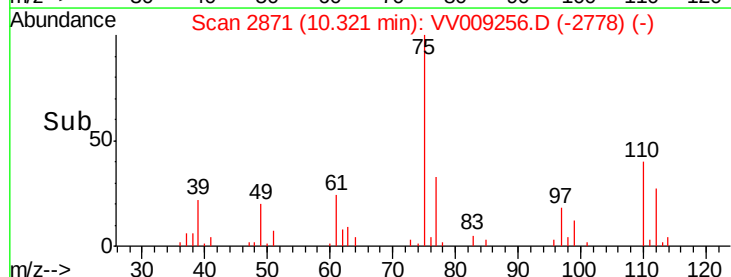
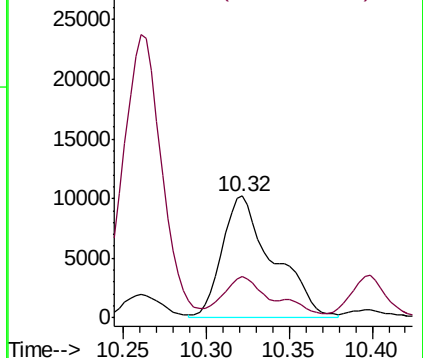
75 100

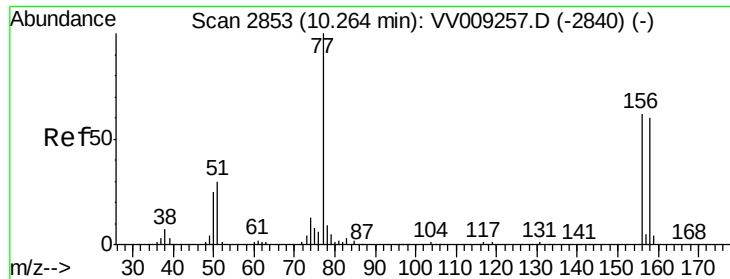
77 16.9 6.2 18.4



Abundance Ion 74.90 (74.60 to 75.60): VV009256.D (-2778) (-)

Ion 77.00 (76.70 to 77.70): VV009256.D (-2778) (-)





#77

Bromobenzene

Concen: 20.825 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

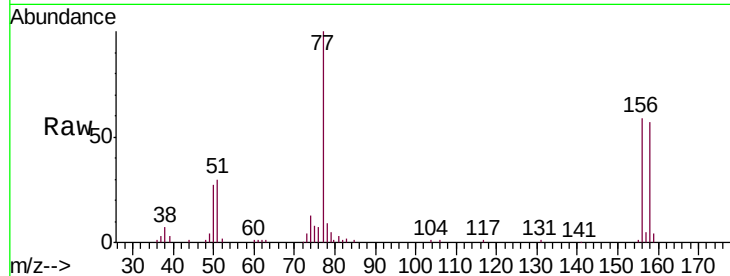
Tgt Ion:156 Resp: 23297

Ion Ratio Lower Upper

156 100

77 164.3 81.7 244.9

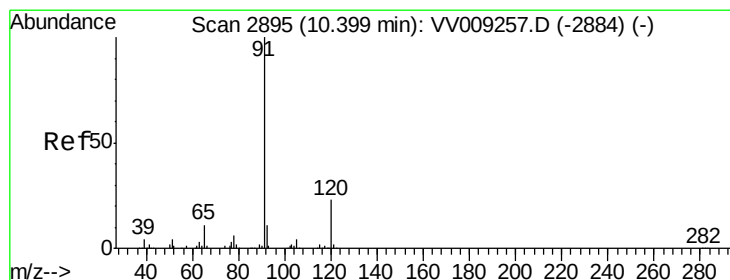
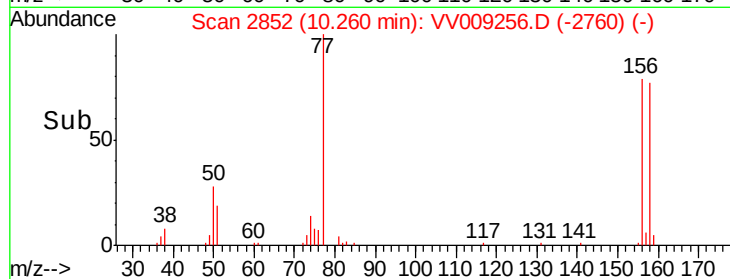
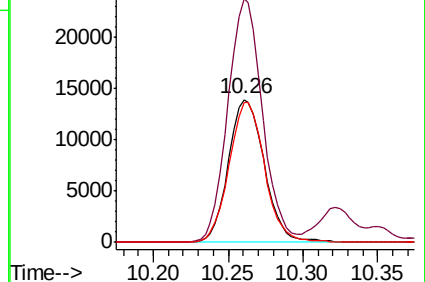
158 96.5 48.4 145.0



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: 19.808 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VV009256.D

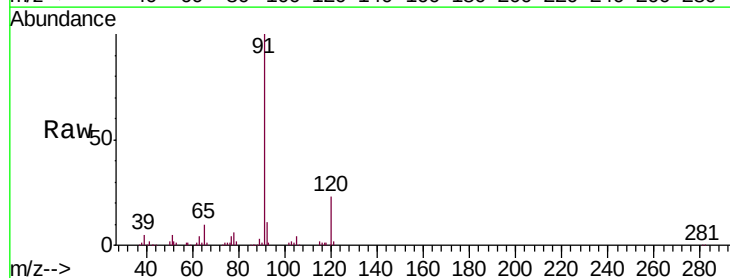
Acq: 24 Jan 2019 13:20

Tgt Ion: 91 Resp: 120894

Ion Ratio Lower Upper

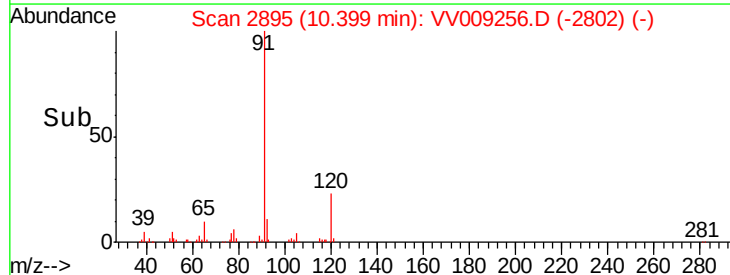
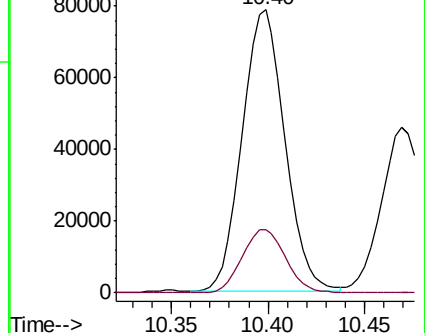
91 100

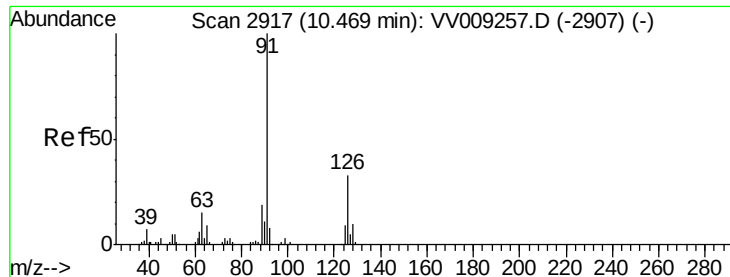
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.407 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

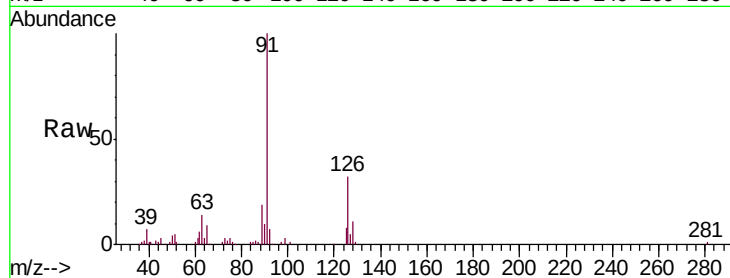
VSTDIC020

Tgt Ion: 91 Resp: 71495

Ion Ratio Lower Upper

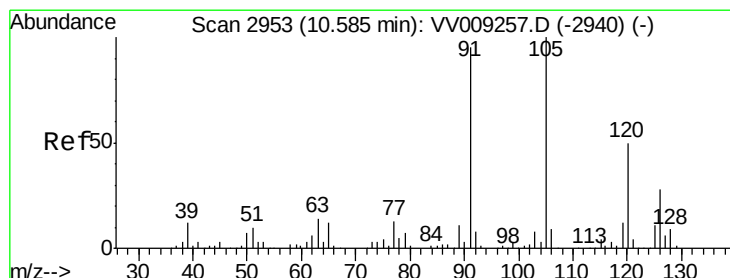
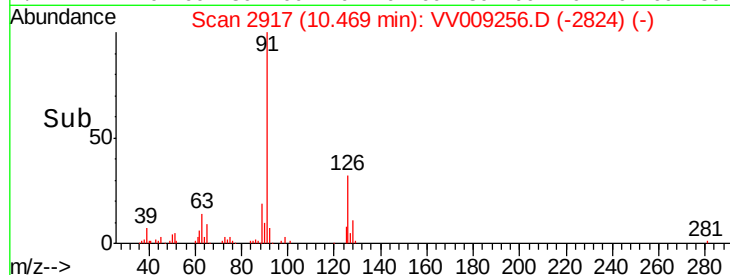
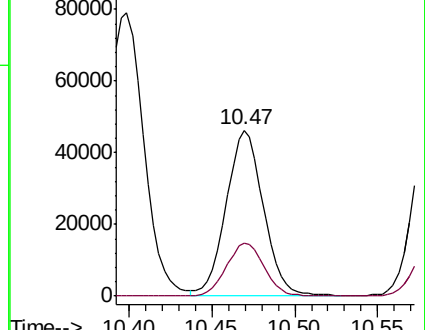
91 100

126 32.9 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2907) (-)

Ion 125.90 (125.60 to 126.60): VV009257.D (-2907) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.018 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV009256.D

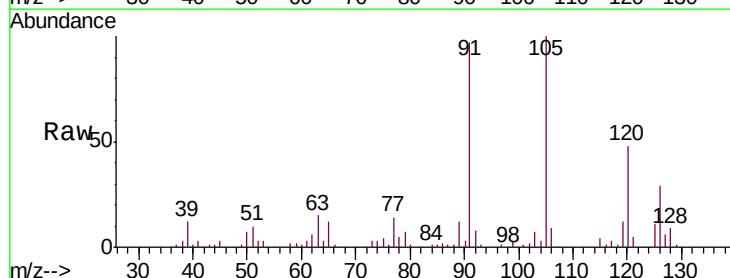
Acq: 24 Jan 2019 13:20

Tgt Ion: 105 Resp: 86416

Ion Ratio Lower Upper

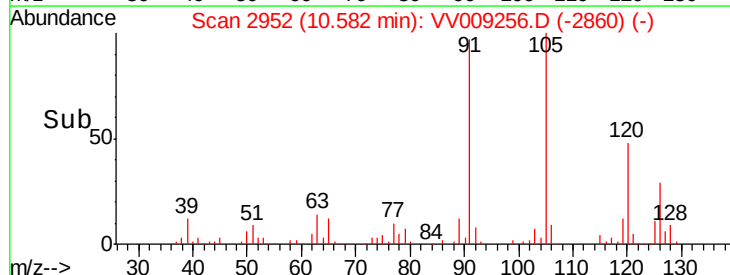
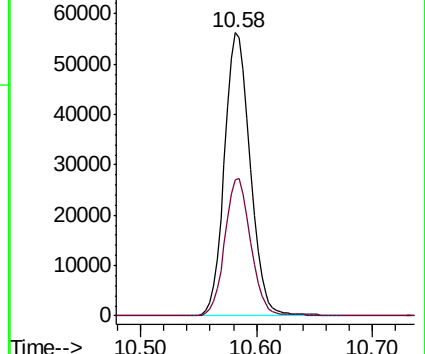
105 100

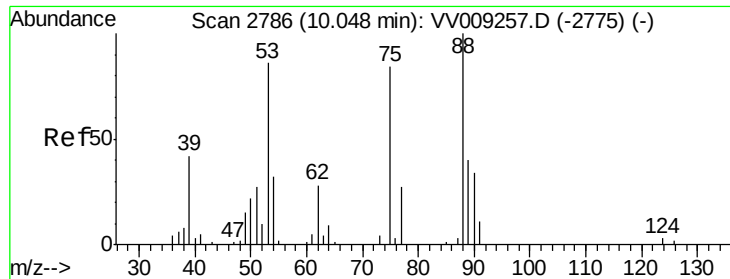
120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VV009257.D (-2940) (-)

Ion 120.00 (119.70 to 120.70): VV009257.D (-2940) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.134 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

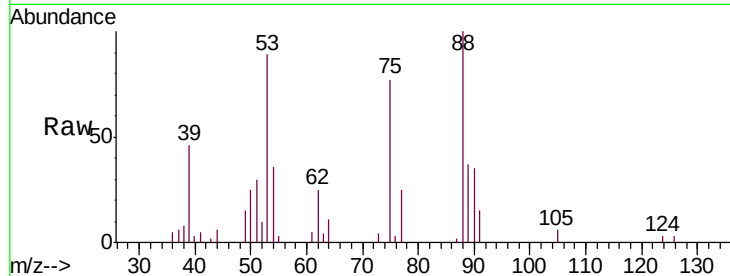
Tgt Ion: 75 Resp: 5255

Ion Ratio Lower Upper

75 100

53 109.3 80.2 120.2

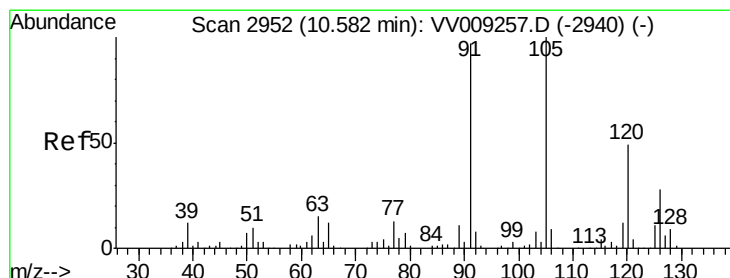
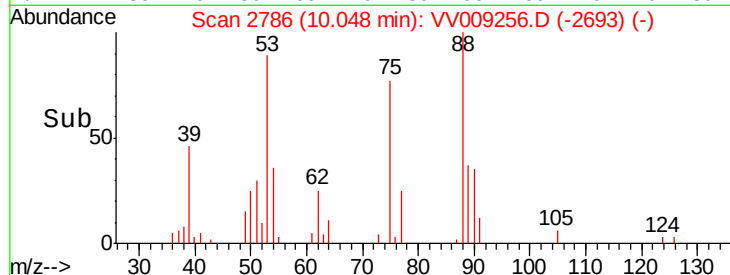
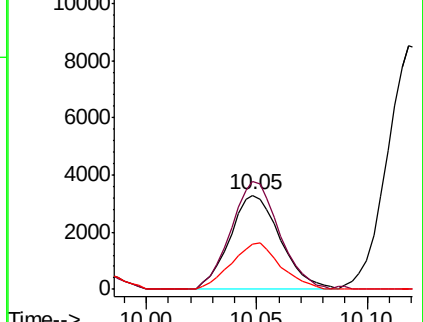
89 47.6 36.8 55.2



Abundance Ion 74.90 (74.60 to 75.60): VV009257.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VV009257.D (-2775) (-)

Ion 88.90 (88.60 to 89.60): VV009257.D (-2775) (-)



#82

4-Chlorotoluene

Concen: 19.301 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV009256.D

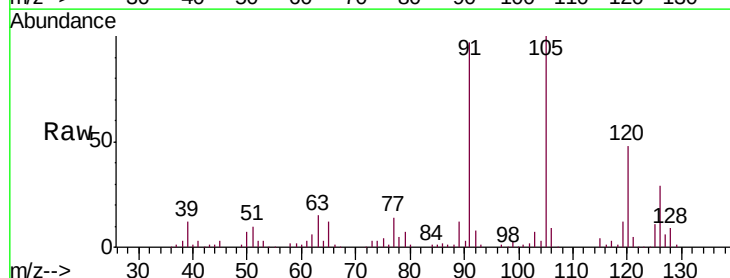
Acq: 24 Jan 2019 13:20

Tgt Ion: 91 Resp: 83981

Ion Ratio Lower Upper

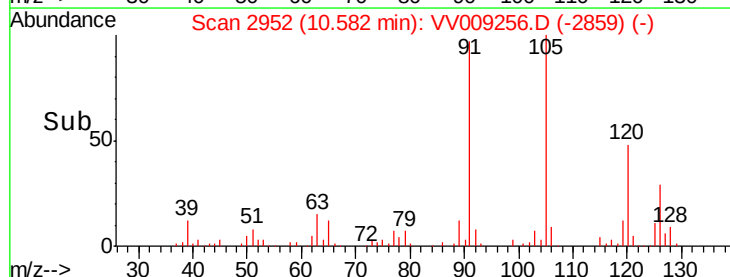
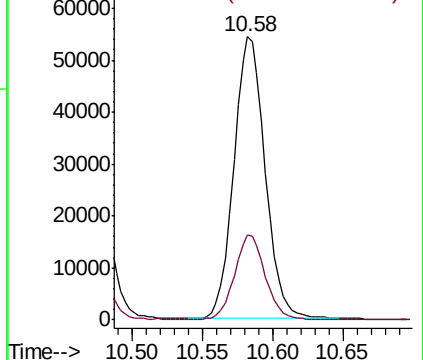
91 100

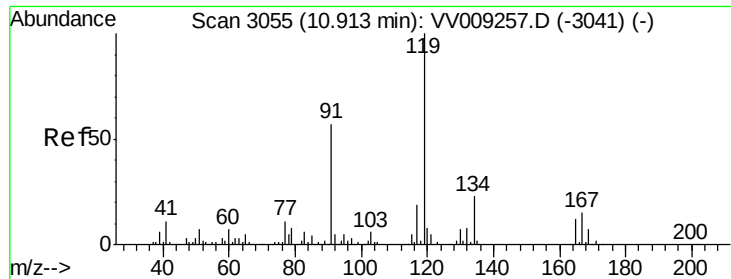
126 29.8 14.6 44.0



Abundance Ion 91.00 (90.70 to 91.70): VV009257.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VV009257.D (-2940) (-)

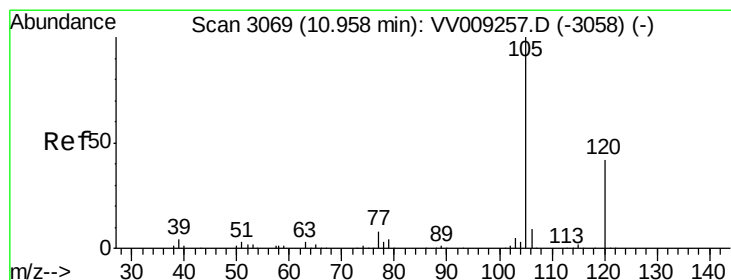
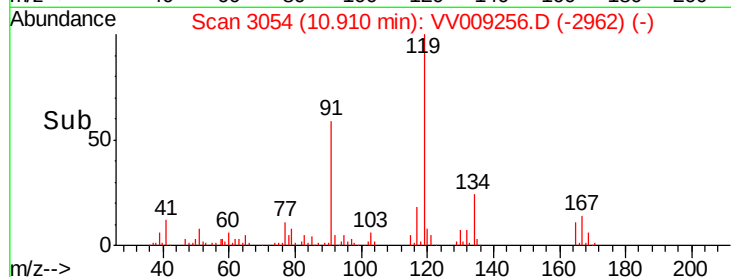
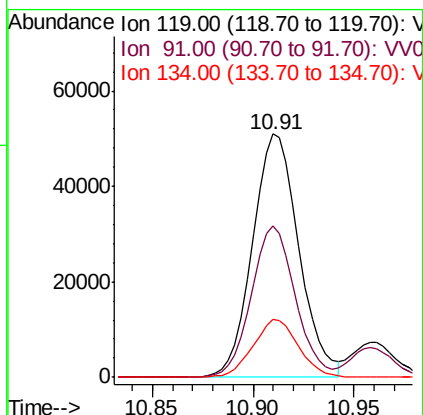
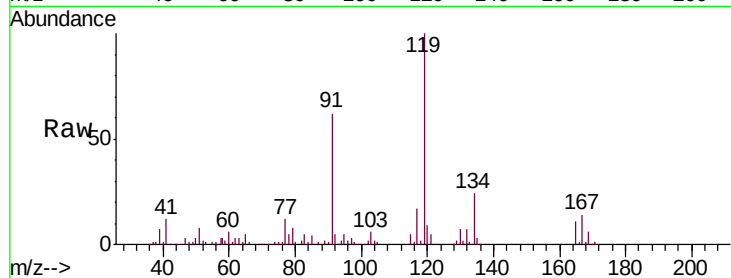




#83
 tert-Butylbenzene
 Concen: 19.811 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

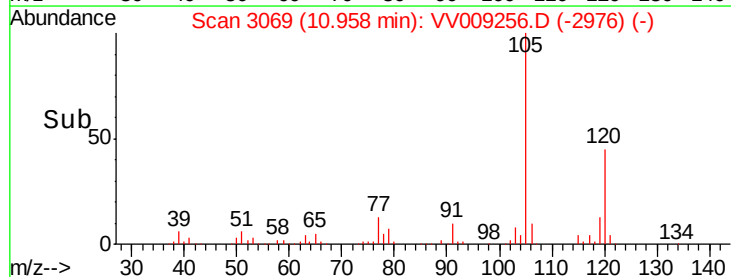
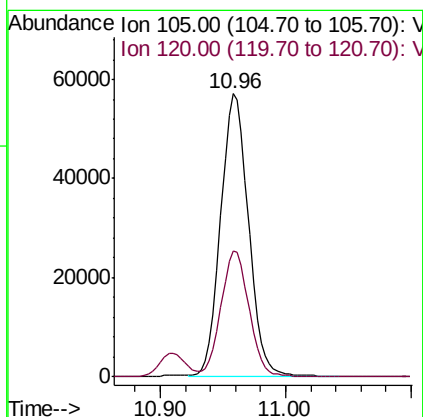
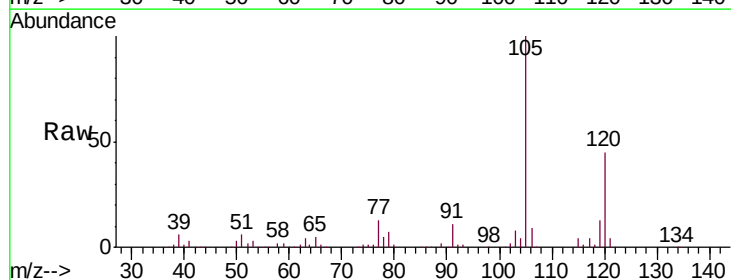
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

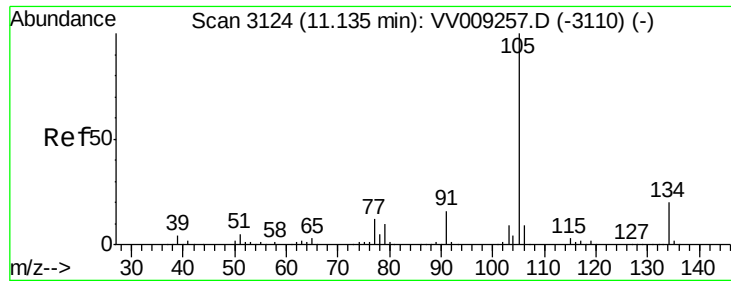
Tgt Ion:119 Resp: 81632
 Ion Ratio Lower Upper
 119 100
 91 59.2 28.6 85.8
 134 23.5 11.9 35.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.220 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion:105 Resp: 88294
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.818 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

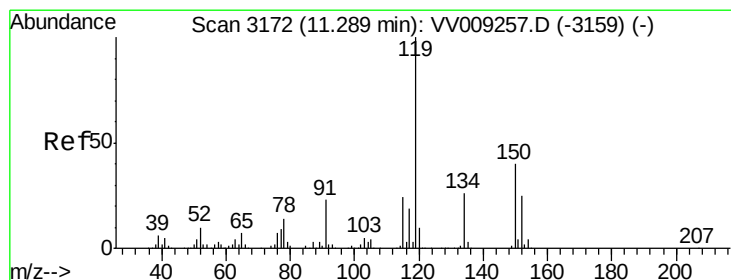
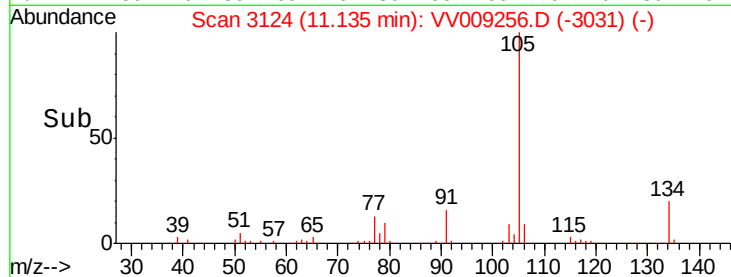
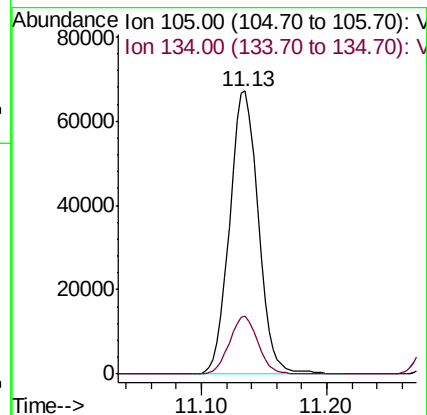
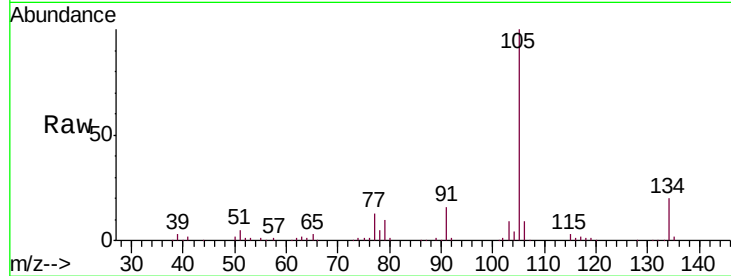
VSTDIC020

Tgt Ion:105 Resp: 106889

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 19.728 ug/l

RT: 11.29 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

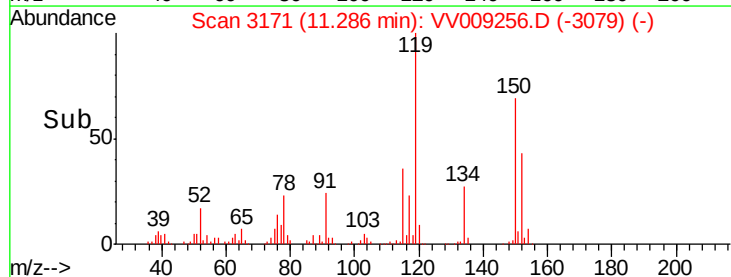
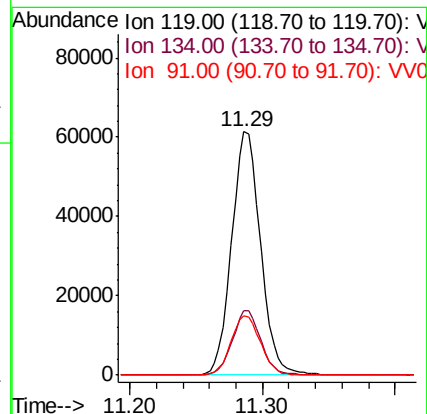
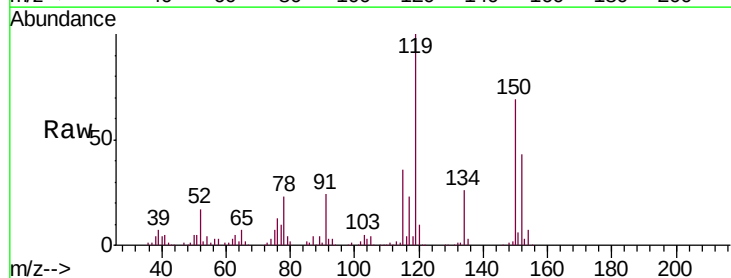
Tgt Ion:119 Resp: 93204

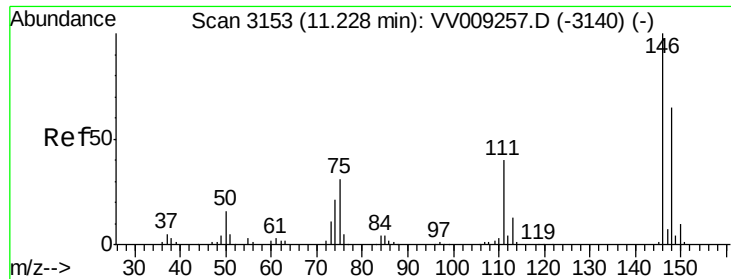
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 24.7 11.9 35.7

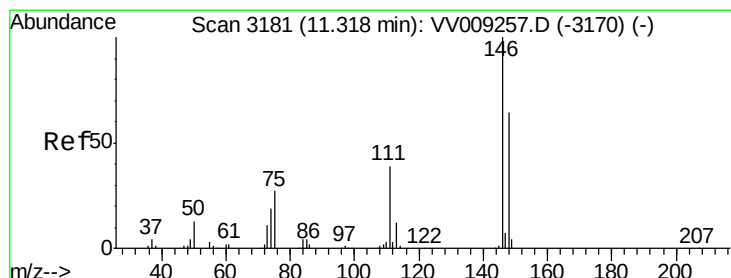
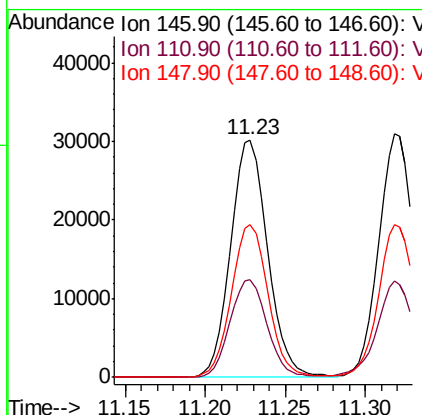
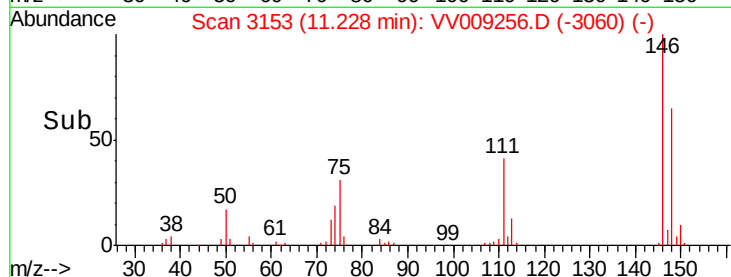
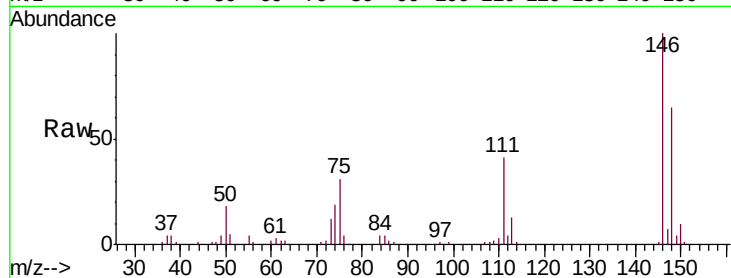




#87
 1,3-Dichlorobenzene
 Concen: 20.613 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

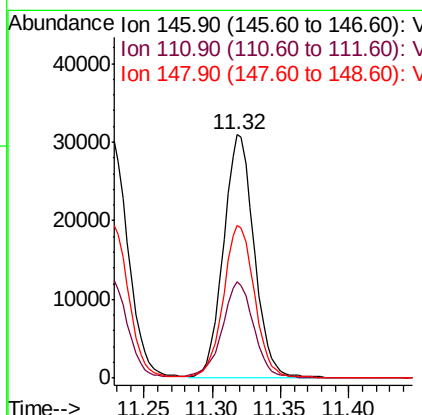
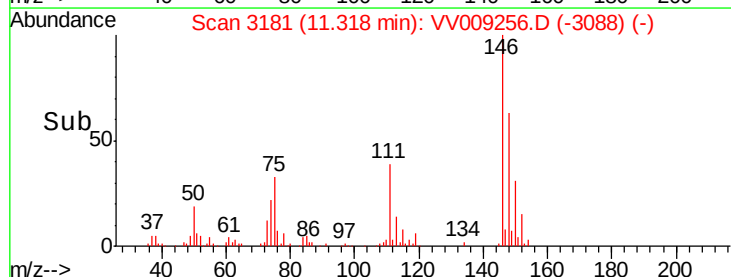
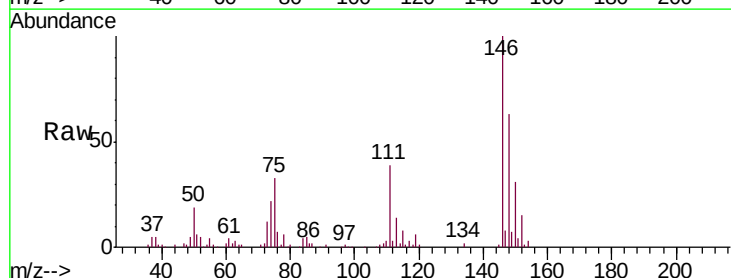
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

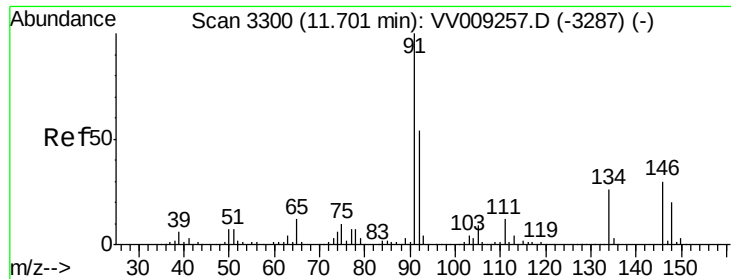
Tgt Ion:146 Resp: 47615
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.2 60.5
 148 63.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.788 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion:146 Resp: 48578
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 61.0
 148 62.1 31.6 94.8

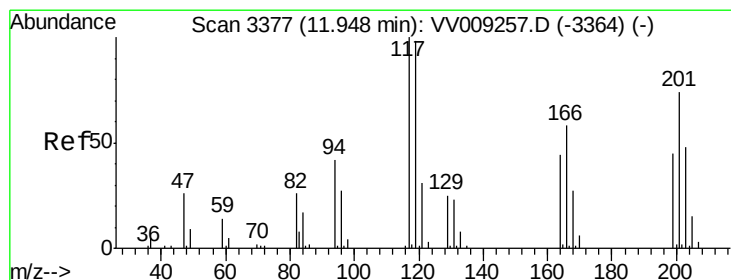
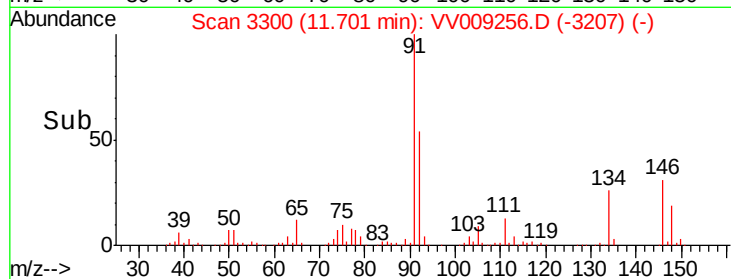
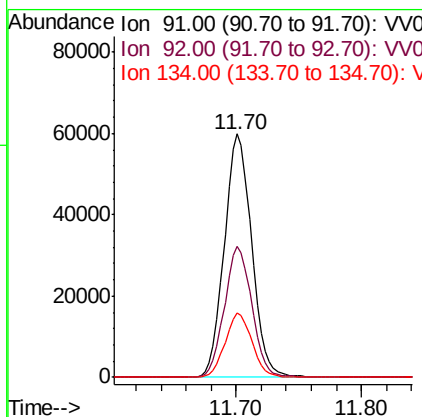
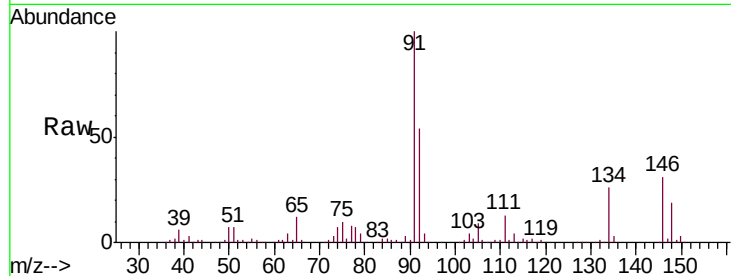




#89
n-Butylbenzene
Concen: 19.757 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

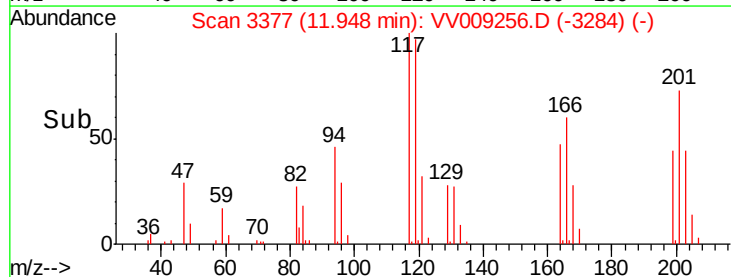
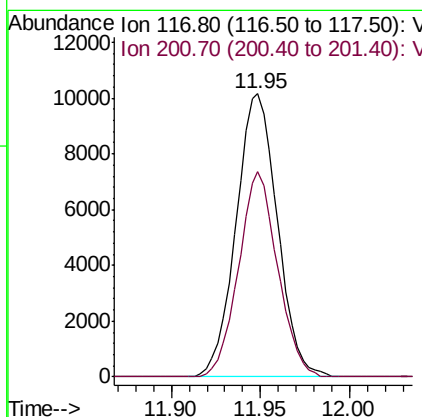
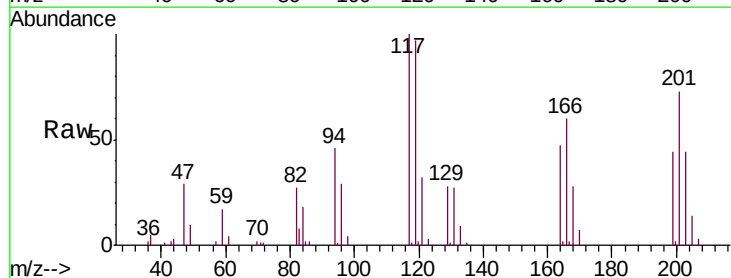
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

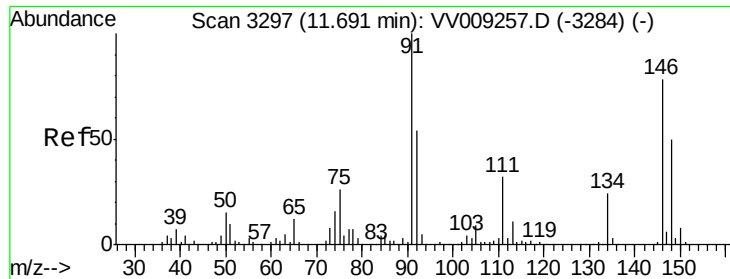
Tgt Ion: 91 Resp: 90485
Ion Ratio Lower Upper
91 100
92 53.8 27.1 81.2
134 25.9 13.1 39.3



#90
Hexachloroethane
Concen: 19.652 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion: 117 Resp: 16422
Ion Ratio Lower Upper
117 100
201 68.2 36.4 109.3

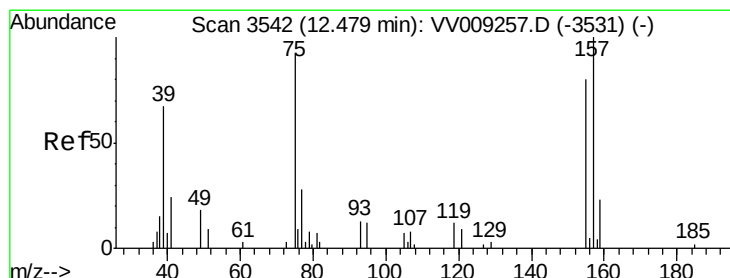
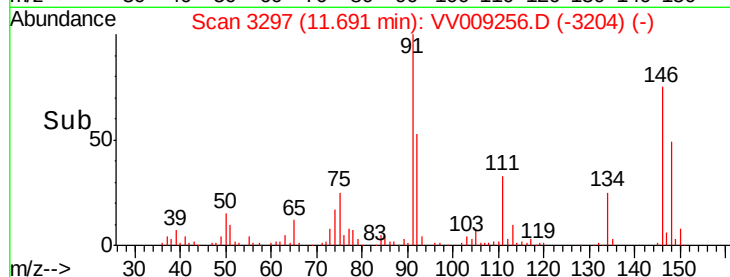
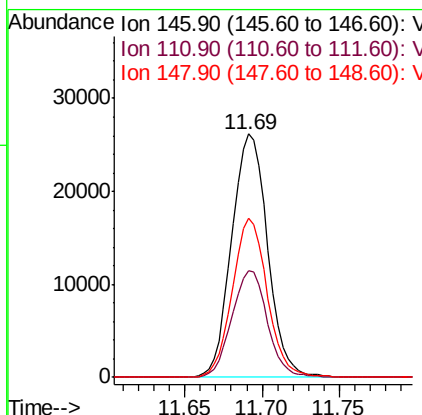
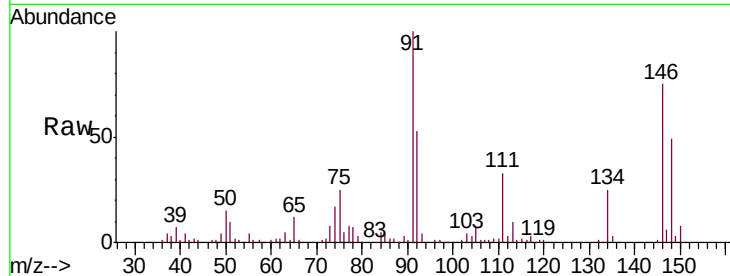




#91
 1,2-Dichlorobenzene
 Concen: 20.650 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

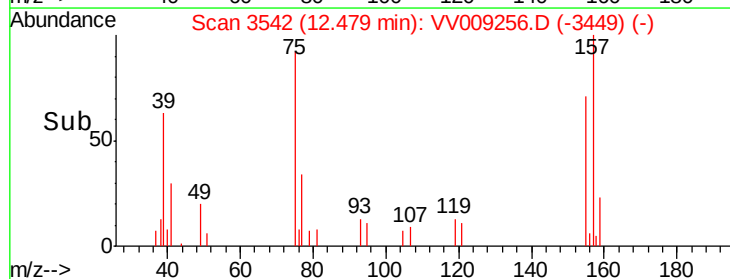
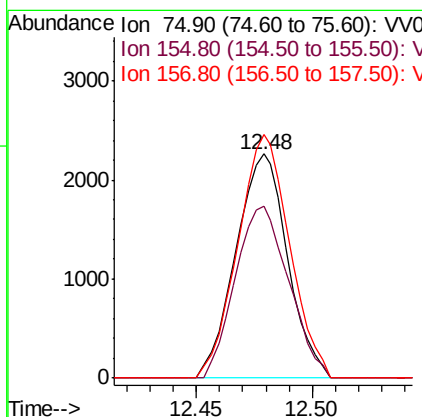
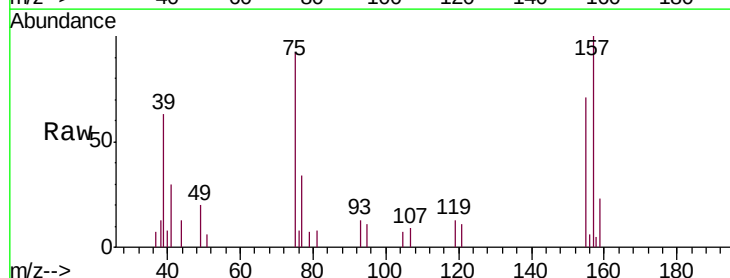
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

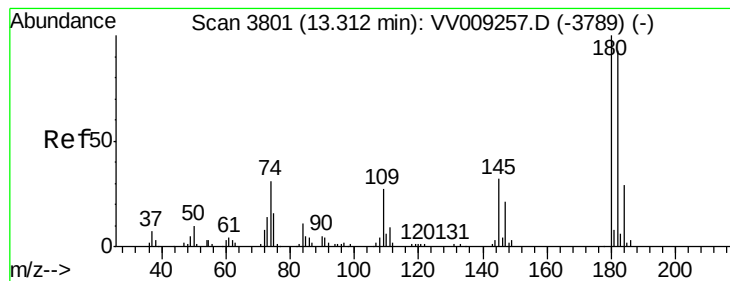
Tgt Ion:146 Resp: 42214
 Ion Ratio Lower Upper
 146 100
 111 43.2 20.9 62.7
 148 63.4 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.188 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009256.D
 Acq: 24 Jan 2019 13:20

Tgt Ion: 75 Resp: 3498
 Ion Ratio Lower Upper
 75 100
 155 79.6 41.1 123.4
 157 108.9 53.2 159.6





#93

1,2,4-Trichlorobenzene

Concen: 21.422 ug/l

RT: 13.31 min Scan# 3801

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

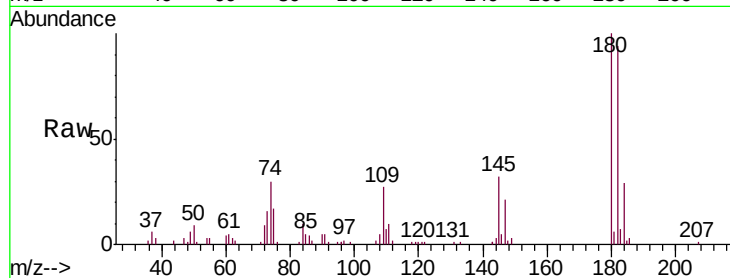
Tgt Ion:180 Resp: 28488

Ion Ratio Lower Upper

180 100

182 93.4 47.1 141.4

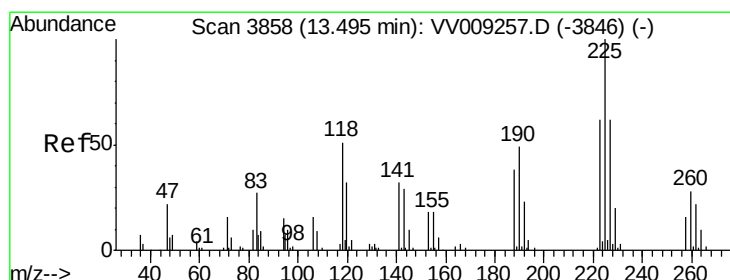
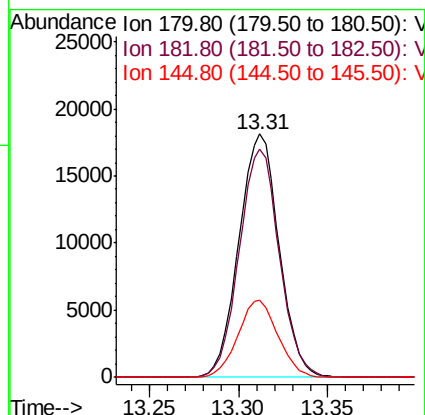
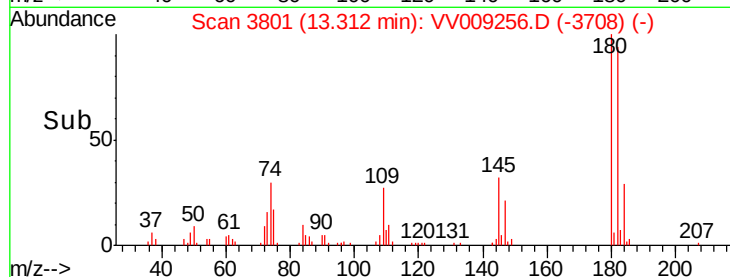
145 31.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.226 ug/l

RT: 13.49 min Scan# 3858

Delta R.T. -0.00 min

Lab File: VV009256.D

Acq: 24 Jan 2019 13:20

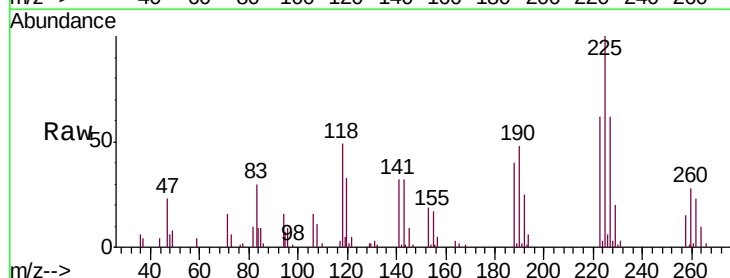
Tgt Ion:225 Resp: 16577

Ion Ratio Lower Upper

225 100

223 63.2 31.3 93.9

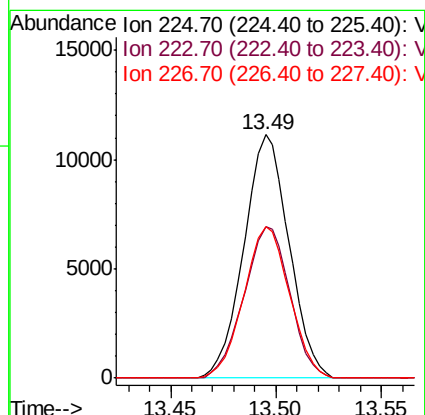
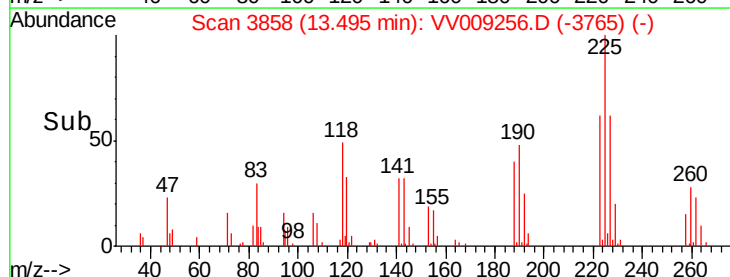
227 62.9 31.6 94.7

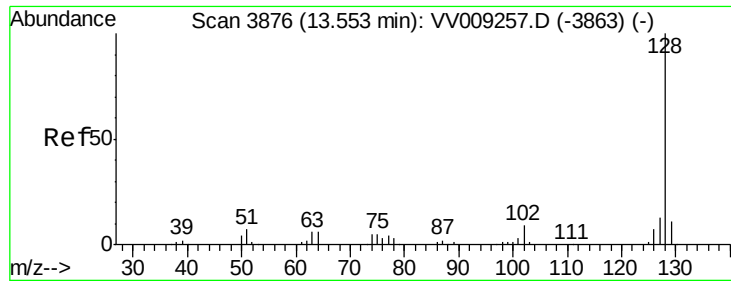


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

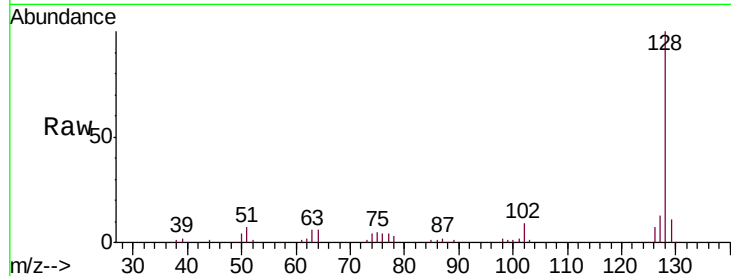




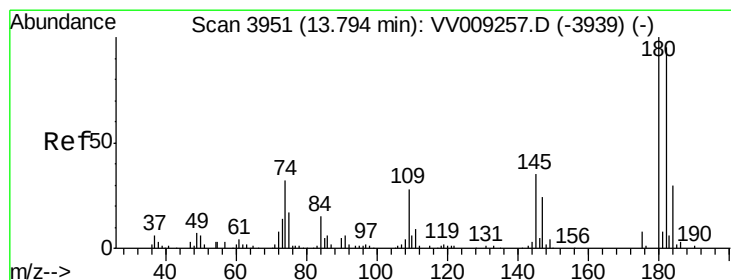
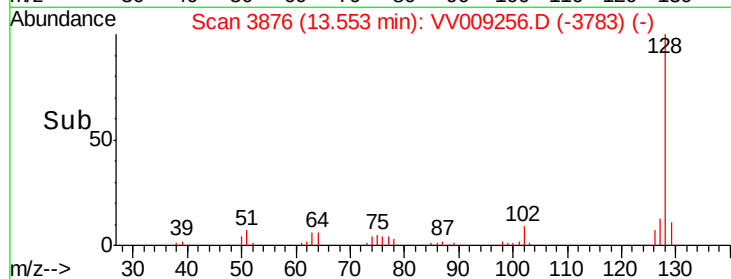
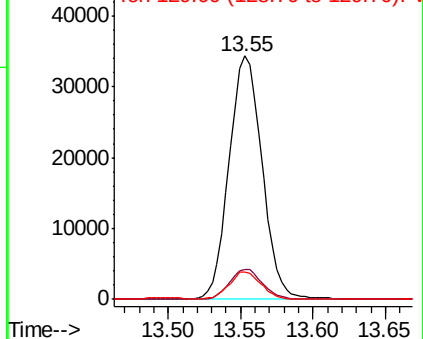
#95
Naphthalene
Concen: 23.084 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 54495
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 10.9 8.6 12.8

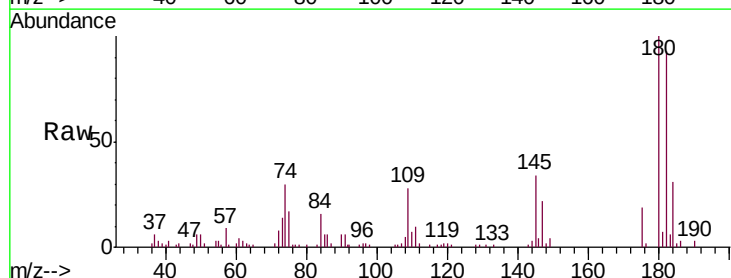


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.718 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009256.D
Acq: 24 Jan 2019 13:20

Tgt Ion:180 Resp: 24657
Ion Ratio Lower Upper
180 100
182 95.4 47.5 142.6
145 35.0 17.2 51.6



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

