

Data File : VV009313.D
Acq On : 20 Feb 2019 21:38
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV74

Quant Time: Feb 21 03:56:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 21 03:53:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	123530	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117406	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57289	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40798	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	1.57	69	45634	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	2.13	63	107141	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.08%
20) 2-Butanone-d5	3.94	46	35596	61.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.78%
24) Chloroform-d	4.40	84	80724	28.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.56%
26) 1,2-Dichloroethane-d4	5.08	65	45219	29.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.28%
29) Benzene-d6	5.10	84	163914	27.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.36%
33) 1,2-Dichloropropane-d6	6.12	67	49198	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.56%
37) Toluene-d8	7.36	98	155693	27.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.12%
38) trans-1,3-Dichloropropene-	7.66	79	24093	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.28%
39) 2-Hexanone-d5	8.13	63	29546	61.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55196	29.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	59245	28.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	39859	27.645 ug/L	95
3) Chloromethane	1.25	50	46948	26.652 ug/L	98
5) Vinyl chloride	1.32	62	53348	26.706 ug/L	97
6) Bromomethane	1.53	94	49997	26.895 ug/L	100
8) Chloroethane	1.59	64	35089	20.810 ug/L	99
9) Trichlorofluoromethane	1.76	101	100626	26.757 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	58569	27.233 ug/L	98
12) 1,1-Dichloroethene	2.14	96	49637	27.387 ug/L	97
13) Acetone	2.20	43	31839	56.628 ug/L	97
14) Carbon disulfide	2.31	76	132402	27.300 ug/L	98
15) Methyl Acetate	2.46	43	24914	30.389 ug/L	94
16) Methylene chloride	2.53	84	43887	23.486 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	111497	27.773 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	43817	26.836 ug/L	99
19) 1,1-Dichloroethane	3.23	63	73199	26.991 ug/L	99
21) 2-Butanone	4.02	43	39528	61.368 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	50034	28.052 ug/L	90

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Quant Title : VOC Analysis
QLast Update : Thu Feb 21 03:53:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22497	27.561	ug/L	93
25) Chloroform	4.43	83	77806	26.962	ug/L	96
27) 1,2-Dichloroethane	5.18	62	53780	27.521	ug/L	96
30) Cyclohexane	4.73	56	72259	26.551	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	71593	27.002	ug/L	99
32) Carbon tetrachloride	4.87	117	59663	26.628	ug/L	99
34) Benzene	5.15	78	173128	26.969	ug/L	100
35) Trichloroethene	5.96	95	47743	26.738	ug/L	99
36) Methylcyclohexane	6.18	83	81560	26.113	ug/L	99
40) 1,2-Dichloropropane	6.22	63	42860	27.508	ug/L	99
41) Bromodichloromethane	6.56	83	59417	26.777	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	72518	27.425	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	74529	56.982	ug/L	98
44) Toluene	7.43	91	186847	26.243	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	61884	26.727	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	37327	26.903	ug/L	96
47) Tetrachloroethene	8.02	164	37633	26.966	ug/L	100
49) 2-Hexanone	8.19	43	61979	61.616	ug/L #	96
50) Dibromochloromethane	8.29	129	45164	26.997	ug/L	99
51) 1,2-Dibromoethane	8.40	107	39099	28.097	ug/L	97
52) Chlorobenzene	8.93	112	125581	27.087	ug/L	99
53) Ethylbenzene	9.06	91	215197	26.754	ug/L	99
54) m,p-Xylene	9.18	106	86174	27.457	ug/L	96
55) o-xylene	9.59	106	81432	27.642	ug/L	100
56) Styrene	9.60	104	135697	26.841	ug/L	99
57) Isopropylbenzene	9.98	105	218875	26.838	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	54661	27.918	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	39282	27.998	ug/L	98
62) Bromoform	9.78	173	29050	27.427	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	99187	26.952	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	99504	27.125	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	94012	27.245	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11410	29.774	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	74738	28.066	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	62815	28.910	ug/L	98
69) Naphthalene	13.55	128	155181	33.321	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	58886	29.366	ug/L	96

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

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MSVOA_V
ClientSampleId :
VICV74

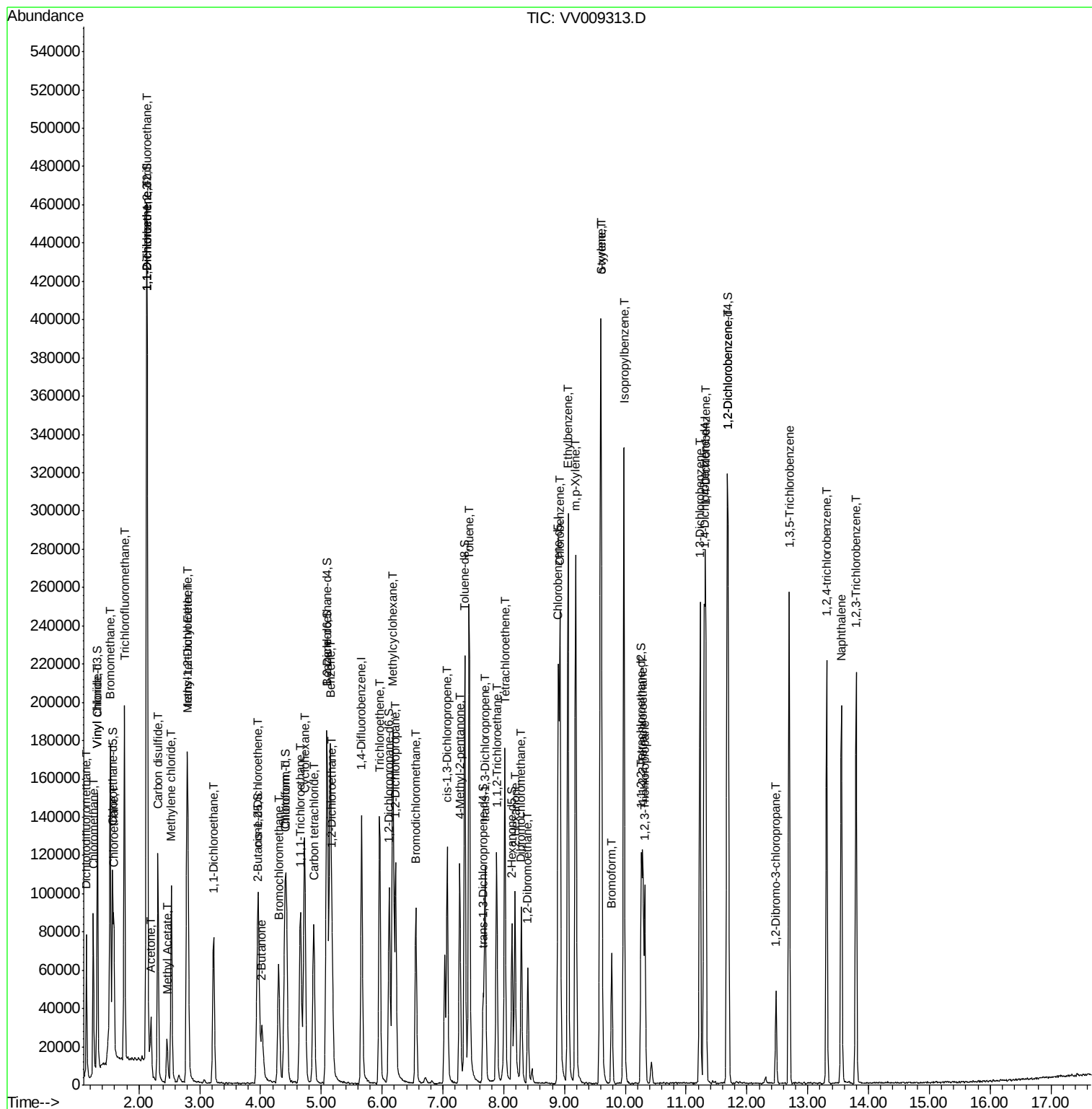
Quant Time: Feb 21 03:56:22 2019

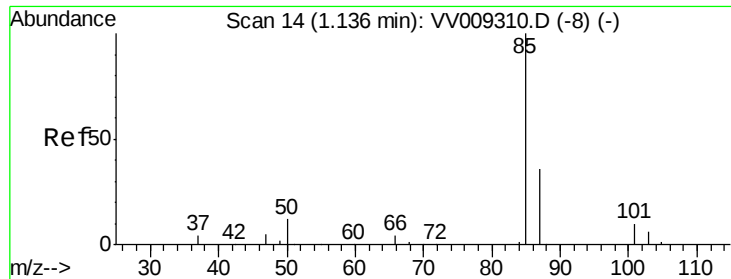
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM022019S.M

Quant Title : VOC Analysis

QLast Update : Thu Feb 21 03:53:15 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.645 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

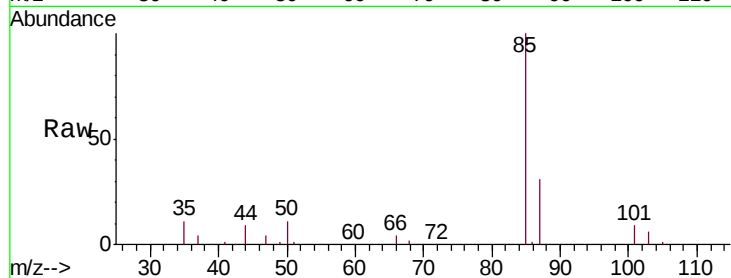
VICV74

Tgt Ion: 85 Resp: 39859

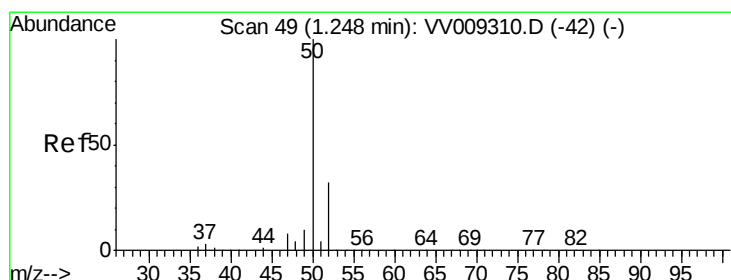
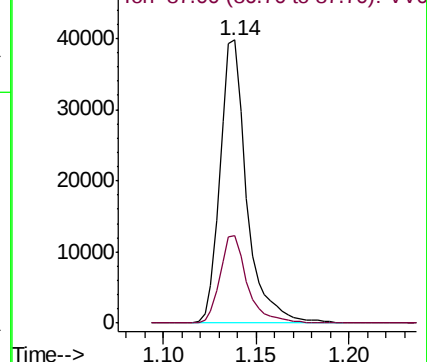
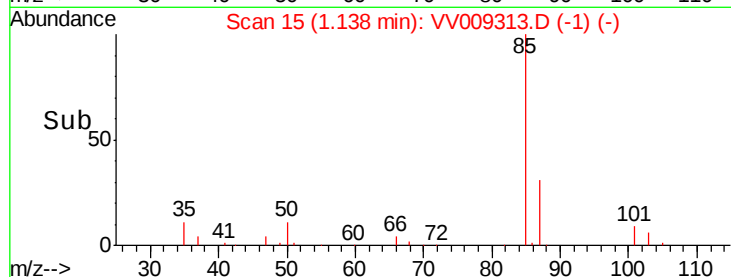
Ion Ratio Lower Upper

85 100

87 31.7 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009313.D (-1) (-)



#3

Chloromethane

Concen: 26.652 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009313.D

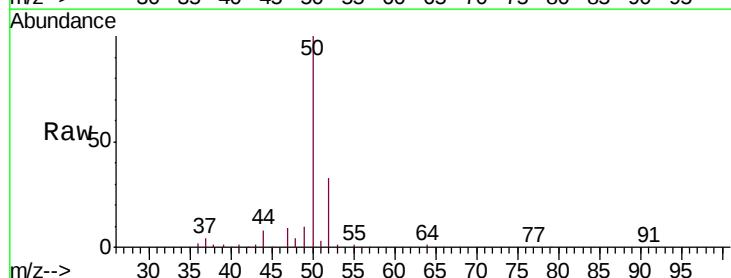
Acq: 20 Feb 2019 21:38

Tgt Ion: 50 Resp: 46948

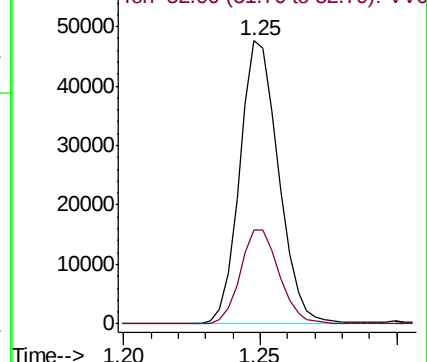
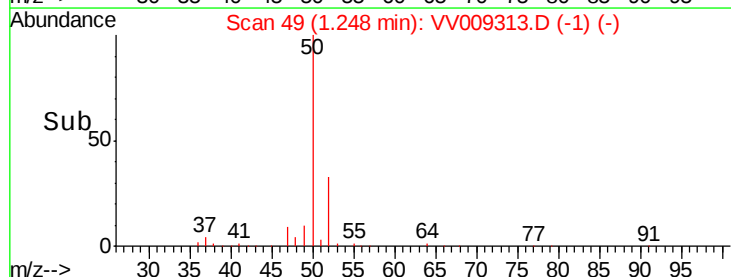
Ion Ratio Lower Upper

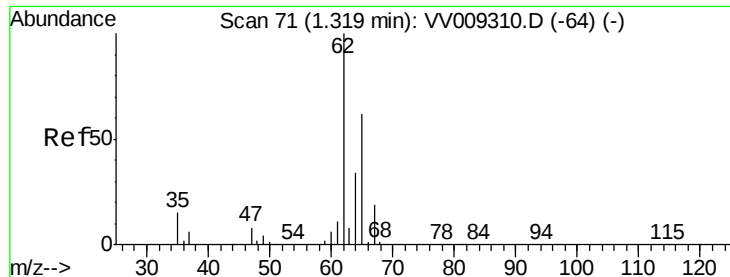
50 100

52 33.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009313.D (-1) (-)





#5

Vinyl chloride

Concen: 26.706 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

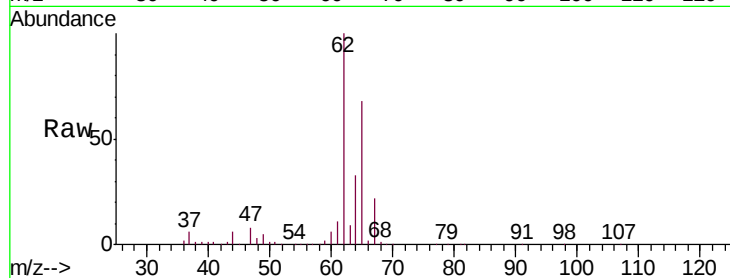
VICV74

Tgt Ion: 62 Resp: 53348

Ion Ratio Lower Upper

62 100

64 33.1 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV009313.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV009313.D (-1) (-)

60000

50000

40000

30000

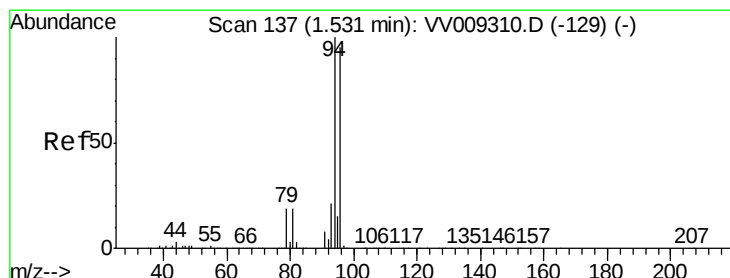
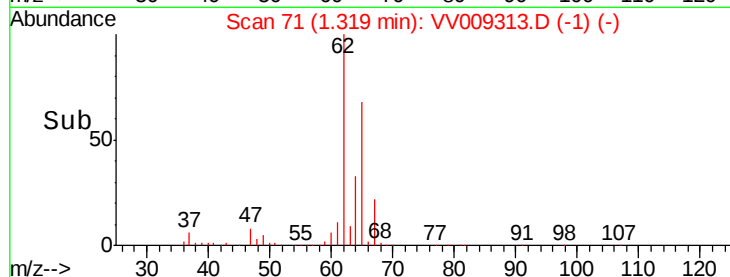
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 26.895 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV009313.D

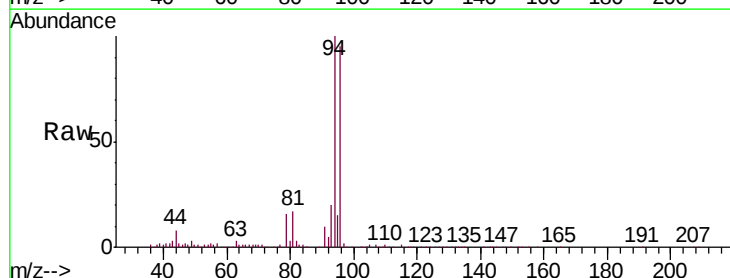
Acq: 20 Feb 2019 21:38

Tgt Ion: 94 Resp: 49997

Ion Ratio Lower Upper

94 100

96 93.8 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV009313.D (-34) (-)

Ion 96.00 (95.70 to 96.70): VV009313.D (-34) (-)

60000

50000

40000

30000

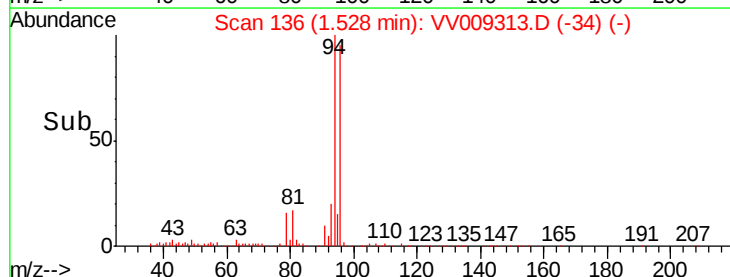
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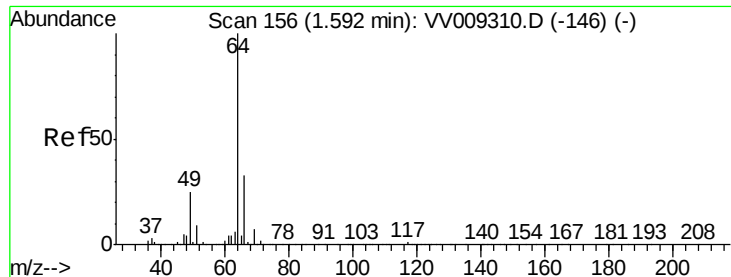
10000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 20.810 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

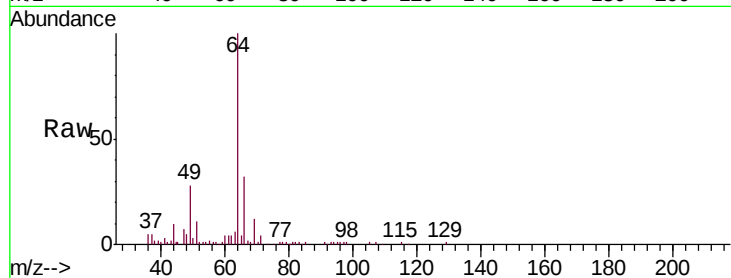
VICV74

Tgt Ion: 64 Resp: 35089

Ion Ratio Lower Upper

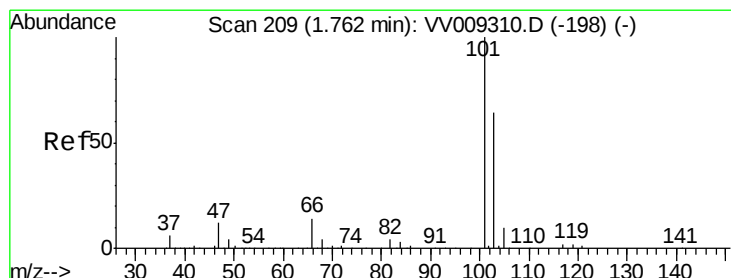
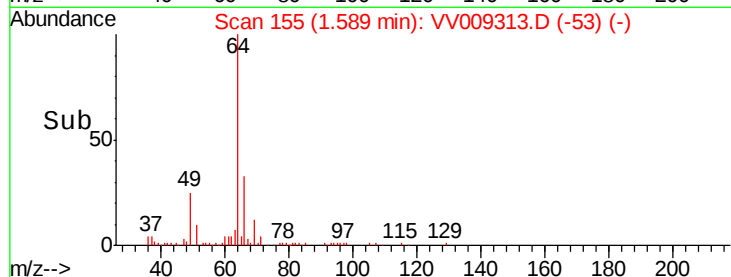
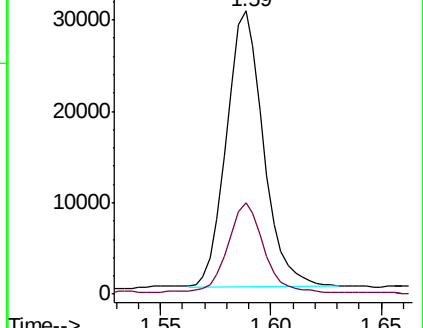
64 100

66 32.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV009310.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV009310.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 26.757 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009313.D

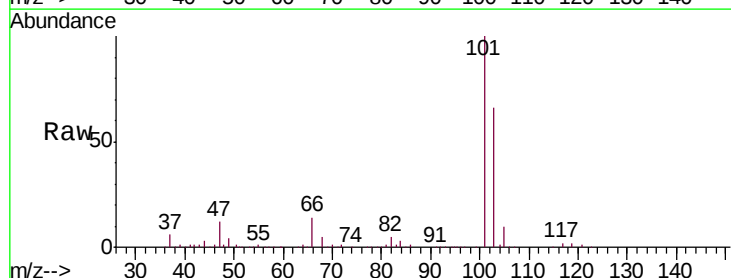
Acq: 20 Feb 2019 21:38

Tgt Ion: 101 Resp: 100626

Ion Ratio Lower Upper

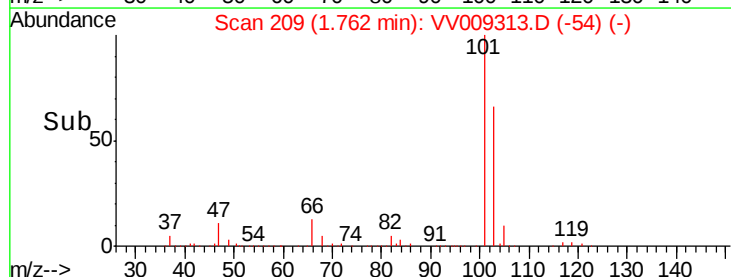
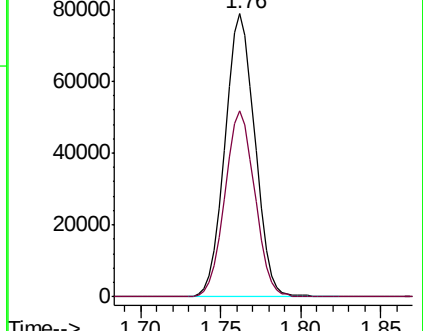
101 100

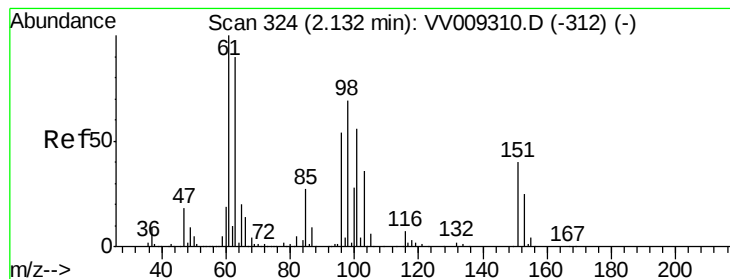
103 65.5 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): VV009310.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV009310.D (-198) (-)





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.233 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009313.D

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ClientSampleId :

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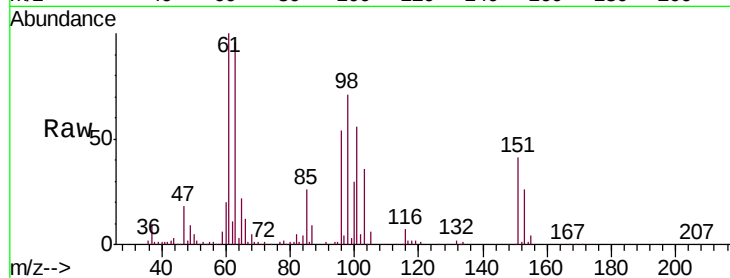
Tgt Ion:101 Resp: 58569

Ion Ratio Lower Upper

101 100

85 46.9 39.1 58.7

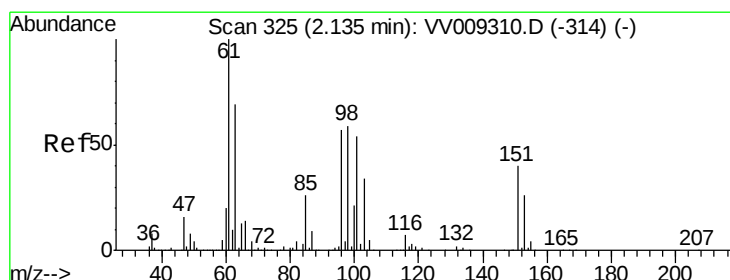
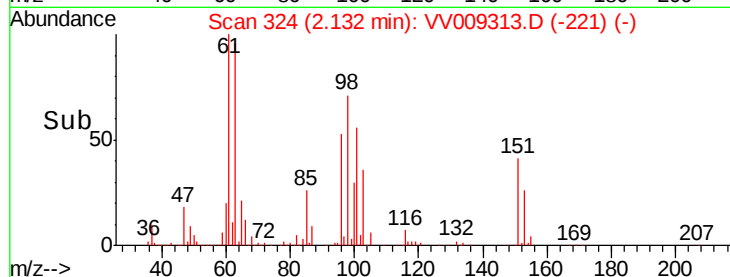
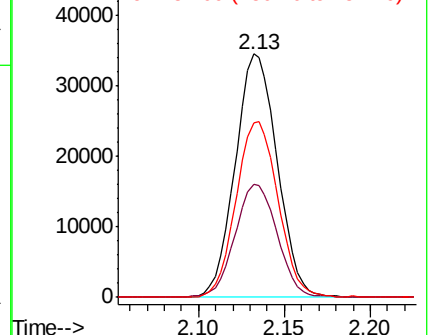
151 72.2 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.387 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

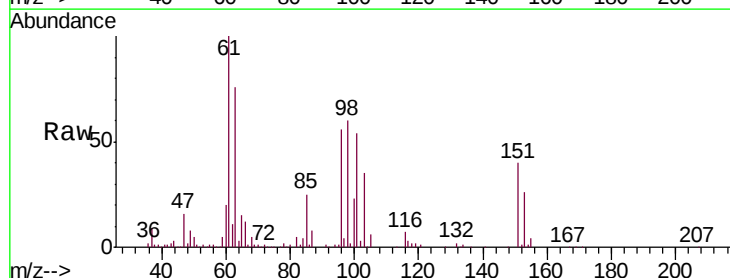
Tgt Ion: 96 Resp: 49637

Ion Ratio Lower Upper

96 100

61 177.3 123.3 228.9

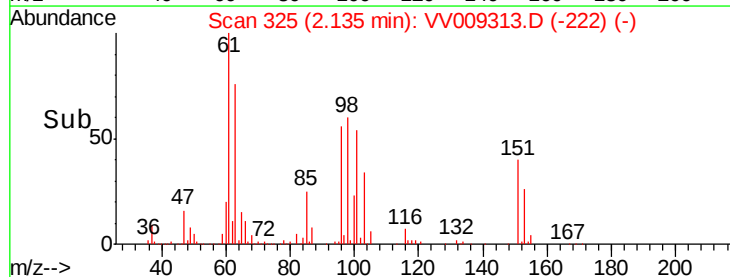
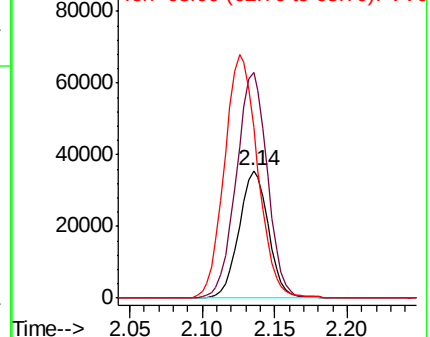
63 134.2 88.4 164.2

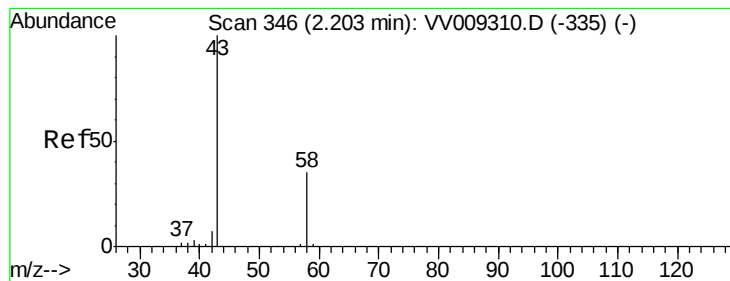


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.628 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

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ClientSampleId :

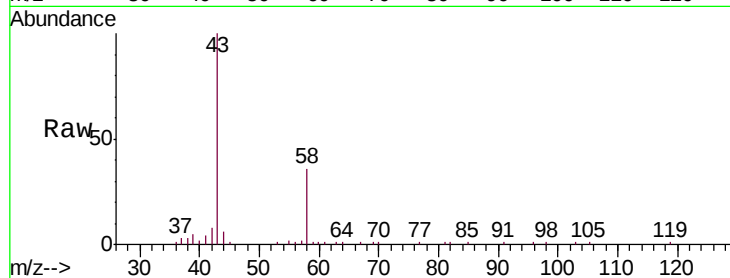
VICV74

Tgt Ion: 43 Resp: 31839

Ion Ratio Lower Upper

43 100

58 38.0 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009313.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV009313.D (-243) (-)

20000

15000

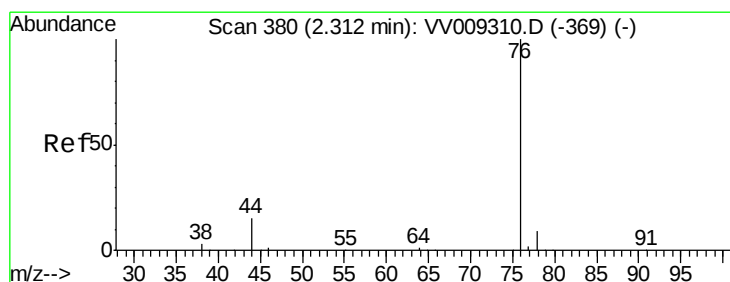
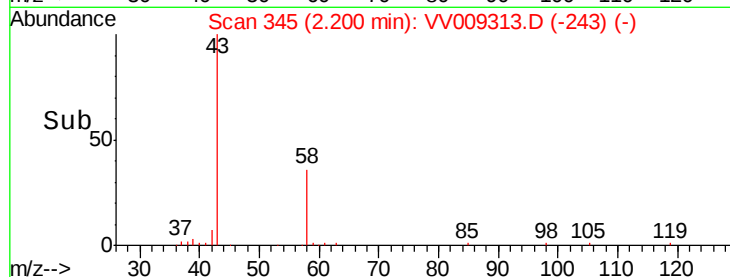
10000

5000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 27.300 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009313.D

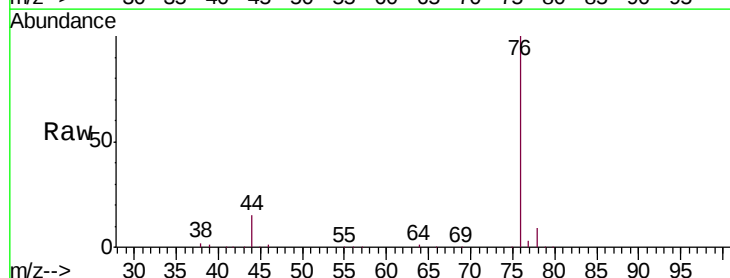
Acq: 20 Feb 2019 21:38

Tgt Ion: 76 Resp: 132402

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009313.D (-225) (-)

Ion 78.00 (77.70 to 78.70): VV009313.D (-225) (-)

100000

80000

60000

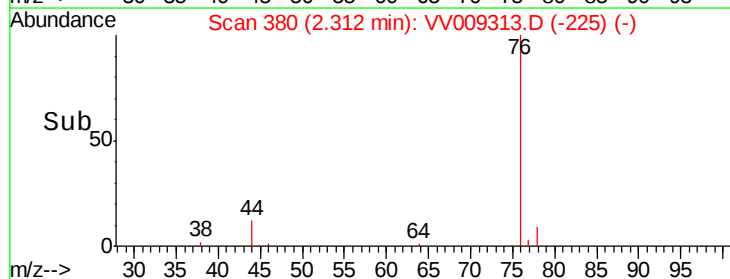
40000

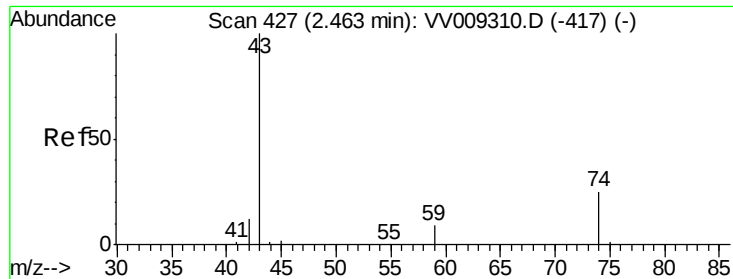
20000

0

2.25 2.30 2.35 2.40

Time-->

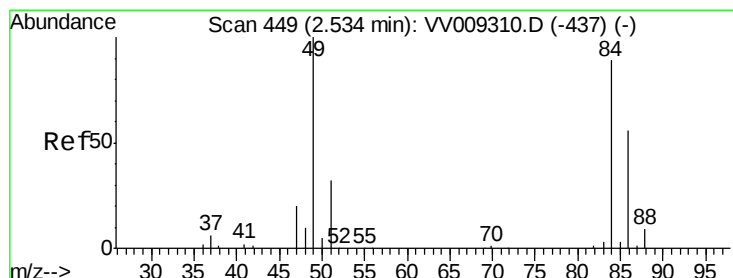
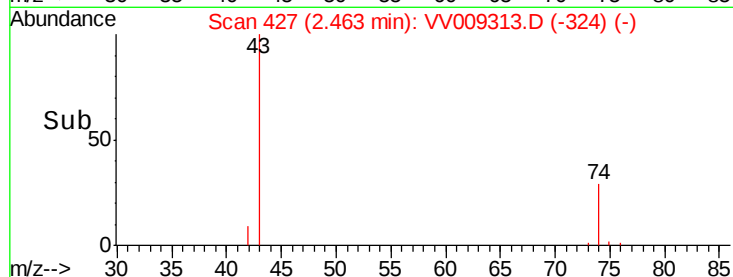
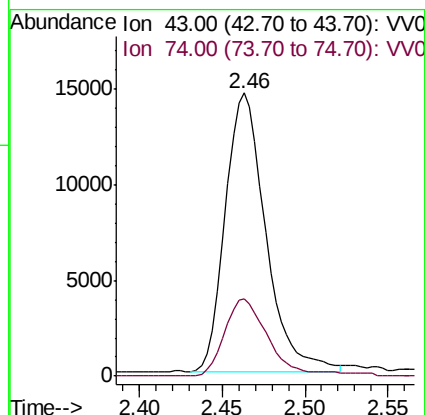
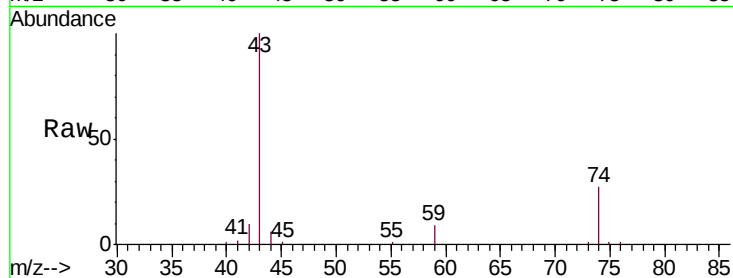




#15
Methyl Acetate
Concen: 30.389 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

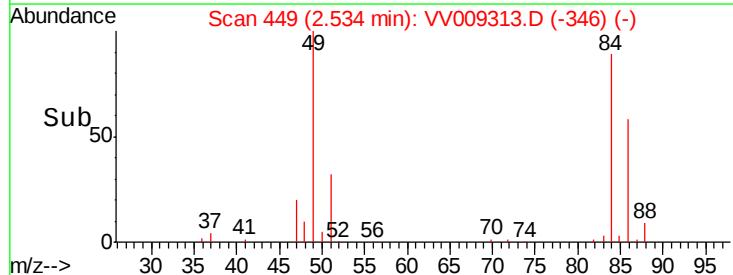
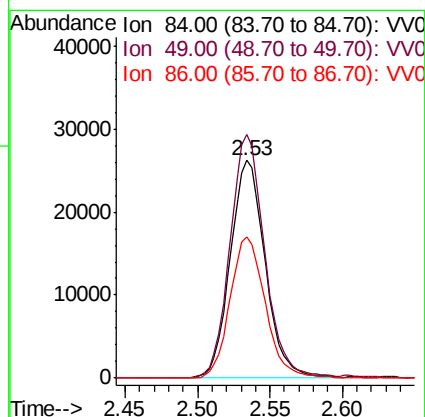
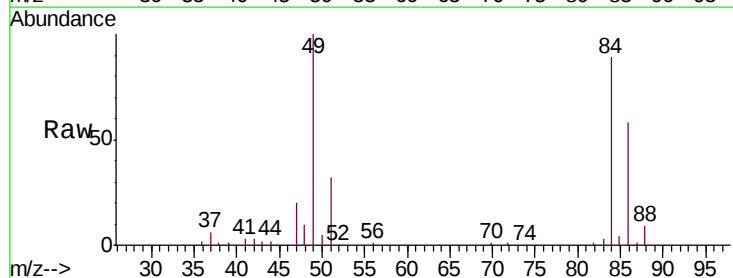
Instrument :
MSVOA_V
ClientSampleId :
VICV74

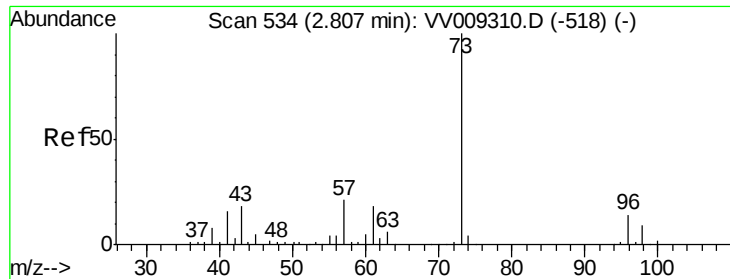
Tgt Ion: 43 Resp: 24914
Ion Ratio Lower Upper
43 100
74 30.1 21.8 32.6



#16
Methylene chloride
Concen: 23.486 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Tgt Ion: 84 Resp: 43887
Ion Ratio Lower Upper
84 100
49 112.0 78.7 146.1
86 65.0 44.0 81.6

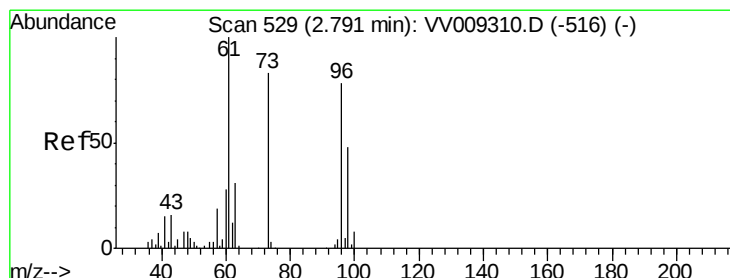
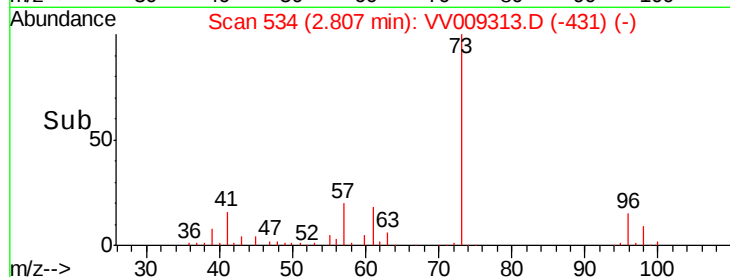
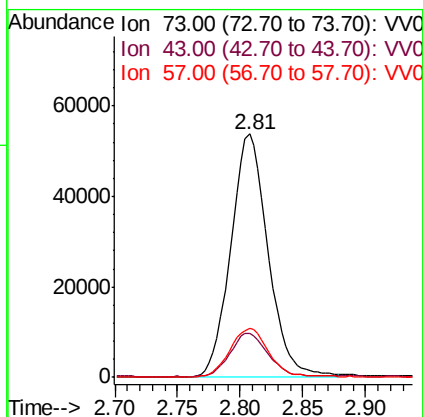
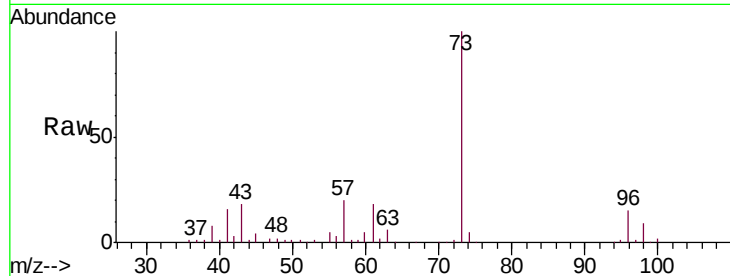




#17
Methyl tert-butyl Ether
Concen: 27.773 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

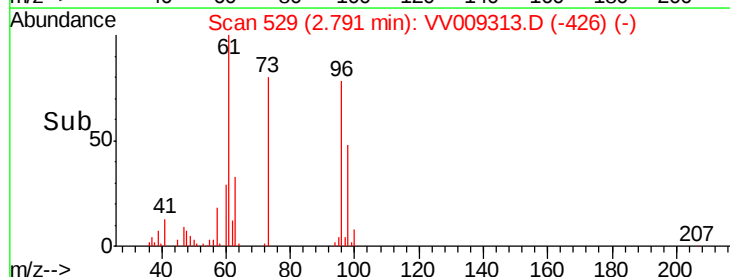
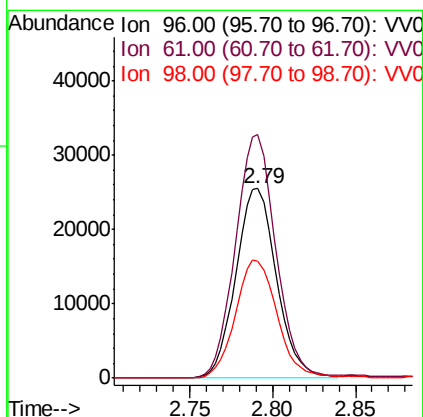
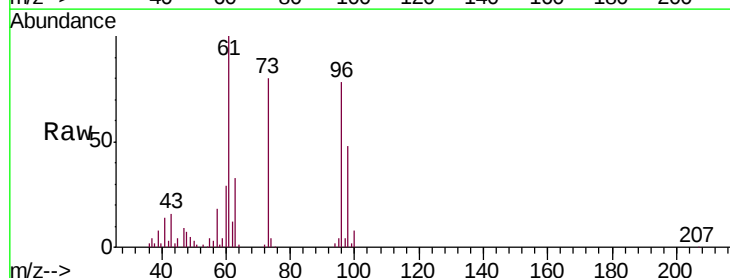
Instrument :
MSVOA_V
ClientSampleId :
VICV74

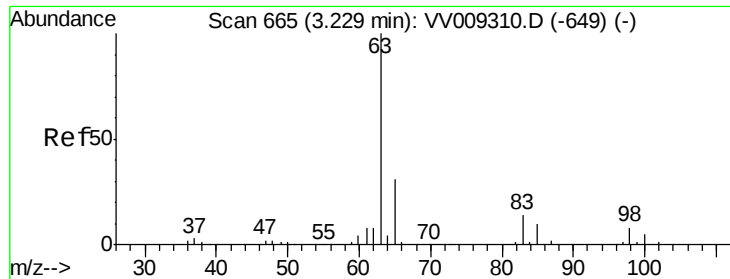
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.0	21.0
57	20.9	17.0	25.4



#18
trans-1,2-Dichloroethene
Concen: 26.836 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.5	88.8	165.0
98	61.5	43.0	79.8

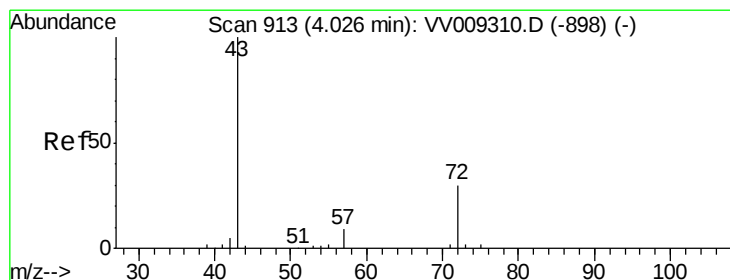
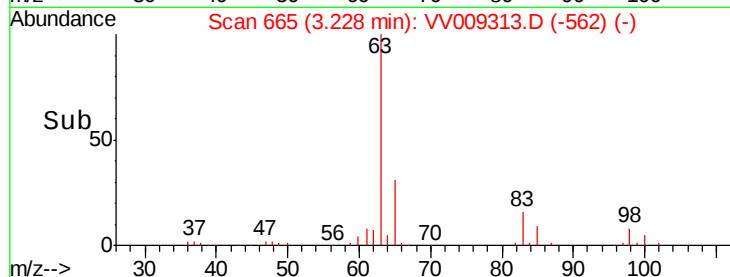
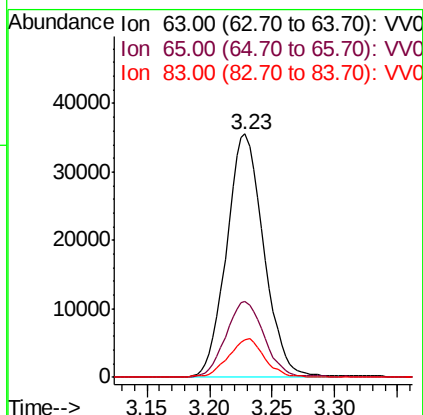
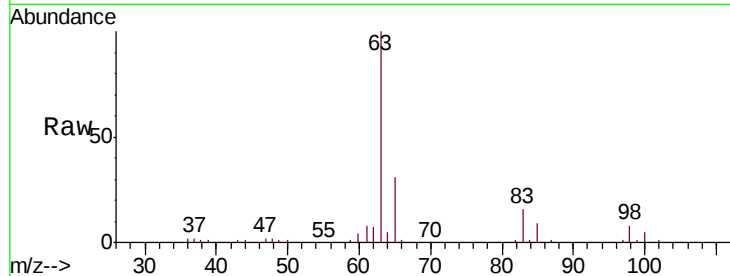




#19
 1,1-Dichloroethane
 Concen: 26.991 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

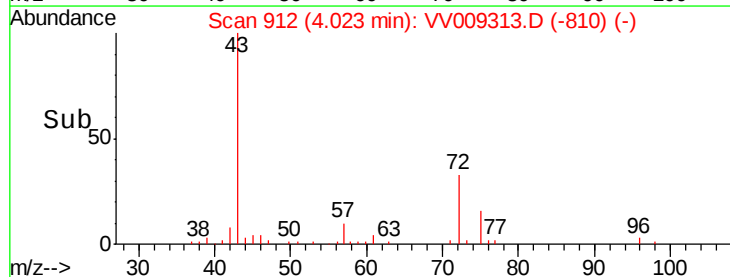
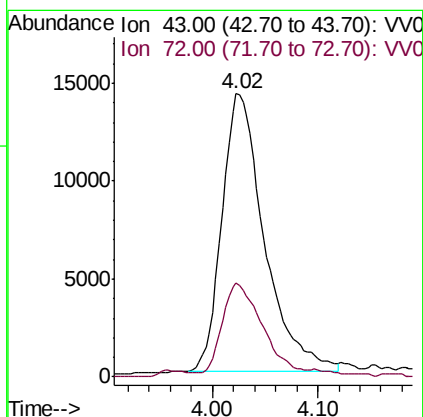
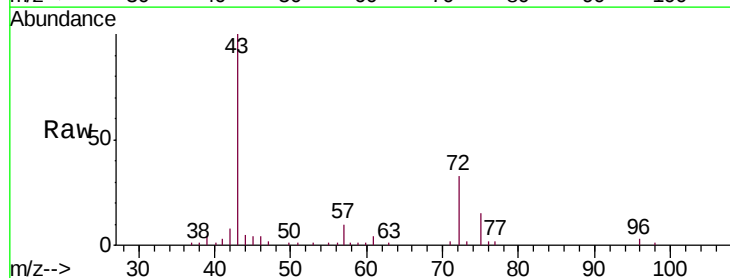
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV74

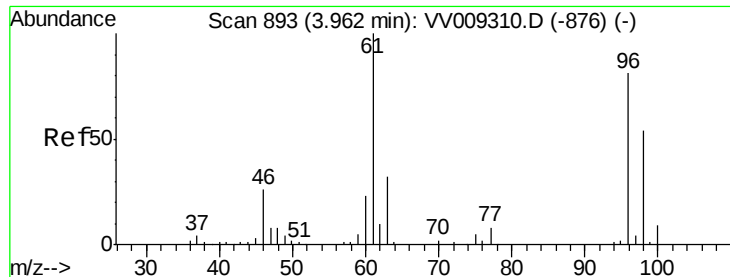
Tgt Ion: 63 Resp: 73199
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.6 40.2
 83 15.6 10.1 18.9



#21
 2-Butanone
 Concen: 61.368 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

Tgt Ion: 43 Resp: 39528
 Ion Ratio Lower Upper
 43 100
 72 30.3 15.4 46.2



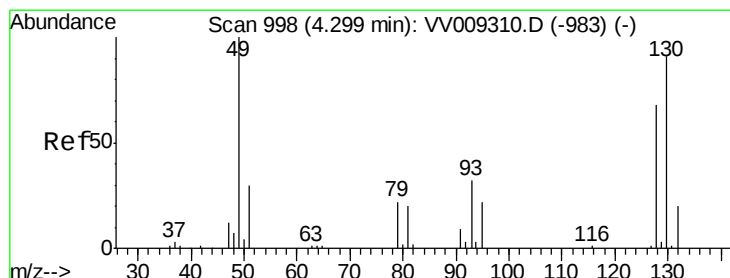
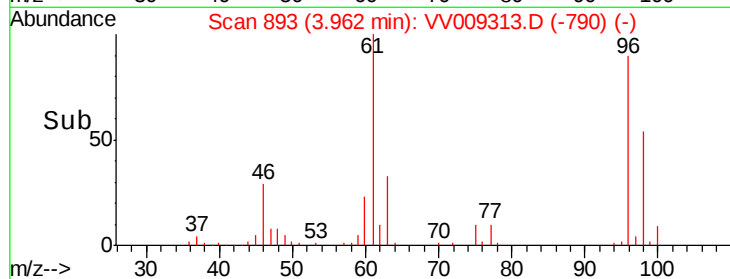
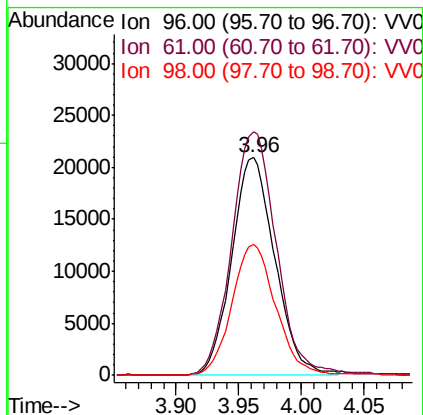
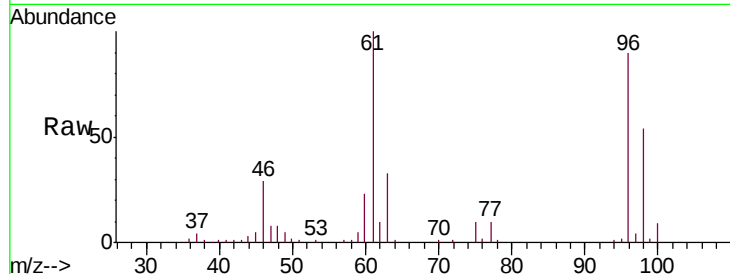


#22

cis-1,2-Dichloroethene
 Concen: 28.052 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV74

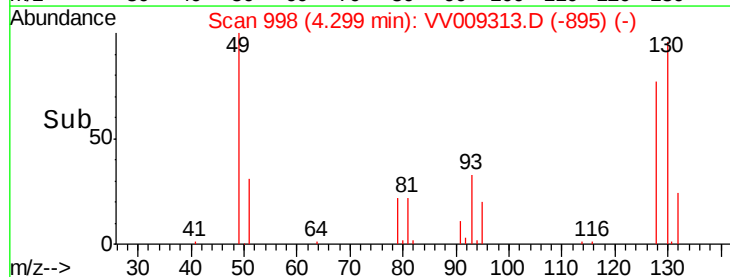
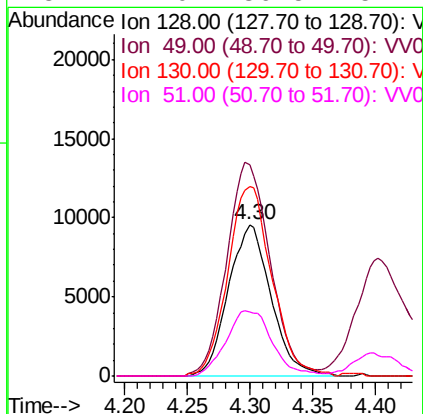
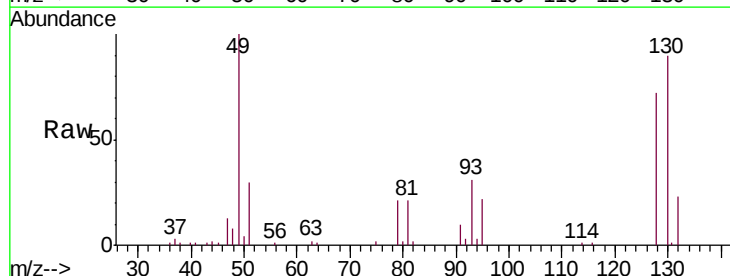
Tgt Ion: 96 Resp: 50034
 Ion Ratio Lower Upper
 96 100
 61 111.7 86.2 160.0
 98 60.0 46.8 87.0

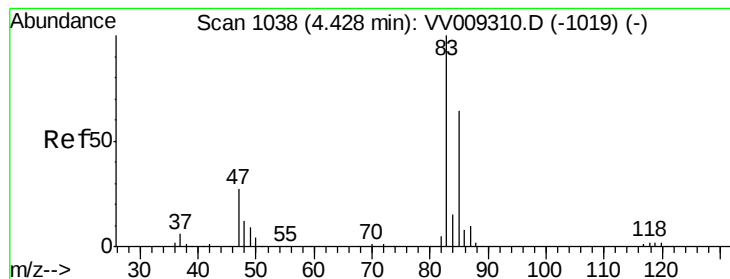


#23

Bromochloromethane
 Concen: 27.561 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

Tgt Ion: 128 Resp: 22497
 Ion Ratio Lower Upper
 128 100
 49 139.3 103.0 191.4
 130 124.8 93.3 173.3
 51 42.0 36.5 54.7





#25

Chloroform

Concen: 26.962 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

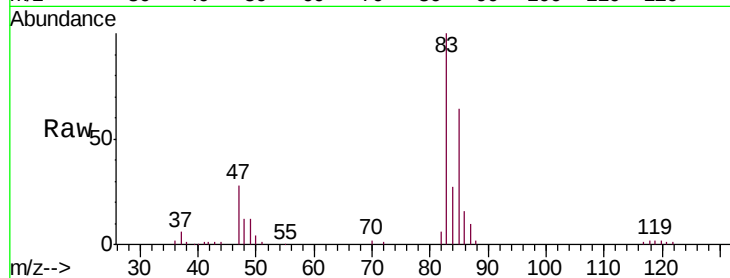
VICV74

Tgt Ion: 83 Resp: 77806

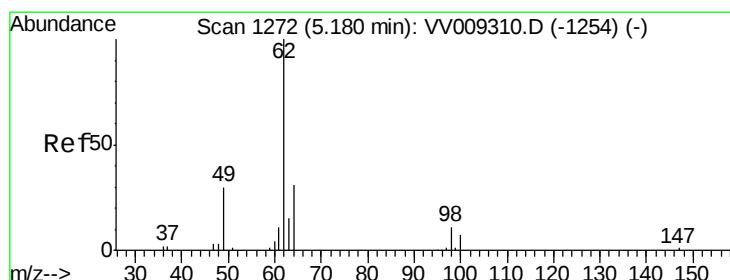
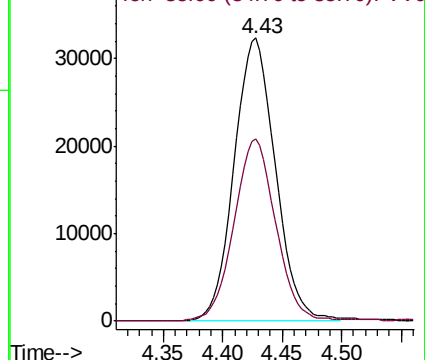
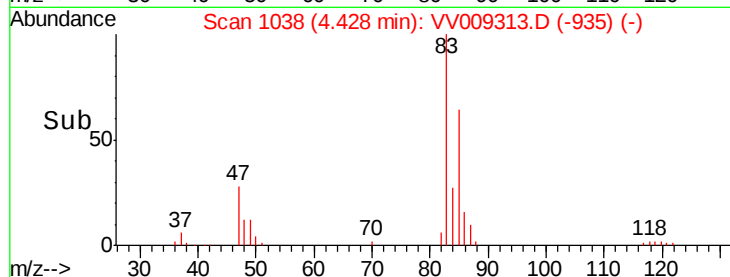
Ion Ratio Lower Upper

83 100

85 64.8 47.5 88.3



Abundance Ion 83.00 (82.70 to 83.70): VV009313.D (-935) (-)



#27

1,2-Dichloroethane

Concen: 27.521 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV009313.D

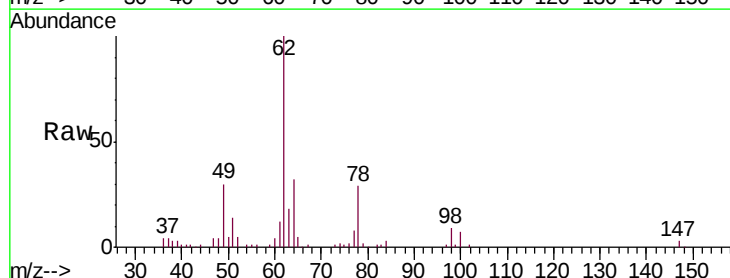
Acq: 20 Feb 2019 21:38

Tgt Ion: 62 Resp: 53780

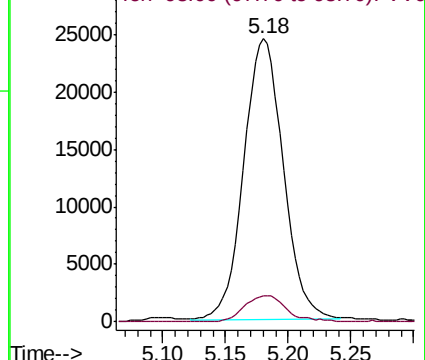
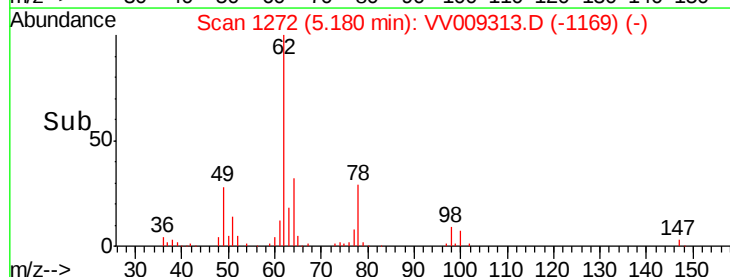
Ion Ratio Lower Upper

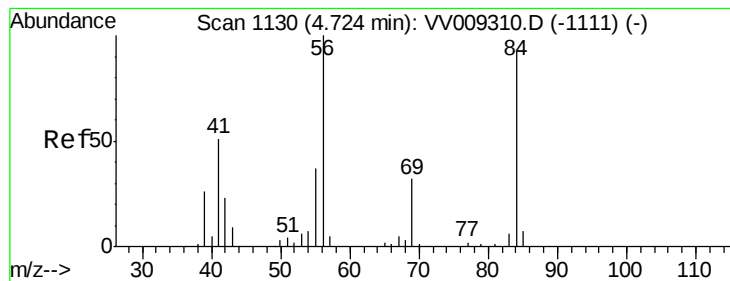
62 100

98 9.1 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV009313.D (-1169) (-)





#30

Cyclohexane

Concen: 26.551 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

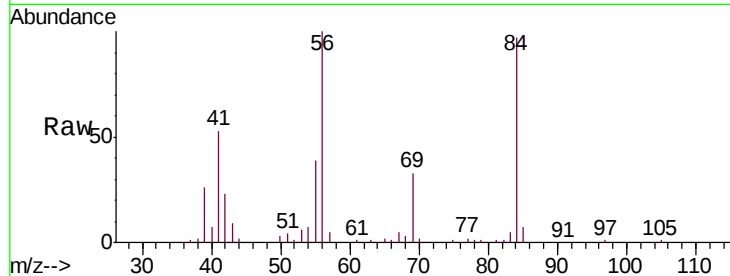
Tgt Ion: 56 Resp: 72259

Ion Ratio Lower Upper

56 100

69 32.7 25.7 38.5

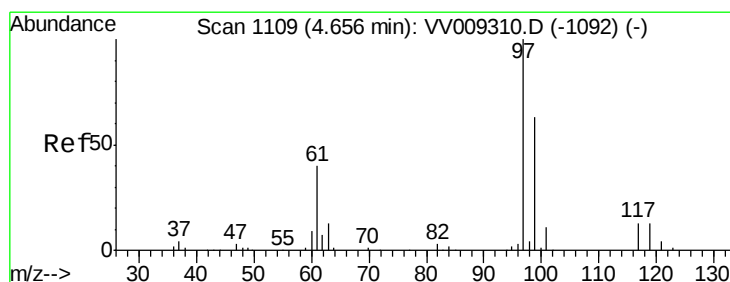
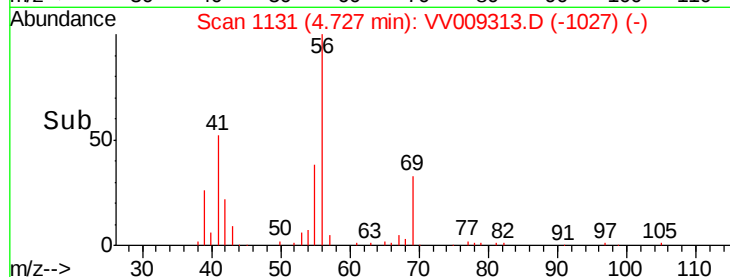
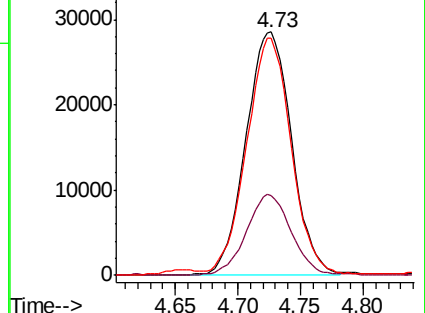
84 94.5 77.2 115.8



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



#31

1,1,1-Trichloroethane

Concen: 27.002 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

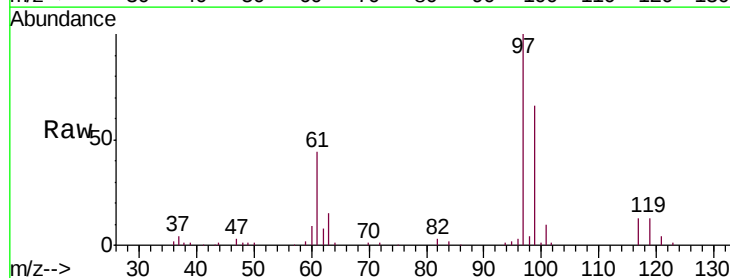
Tgt Ion: 97 Resp: 71593

Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

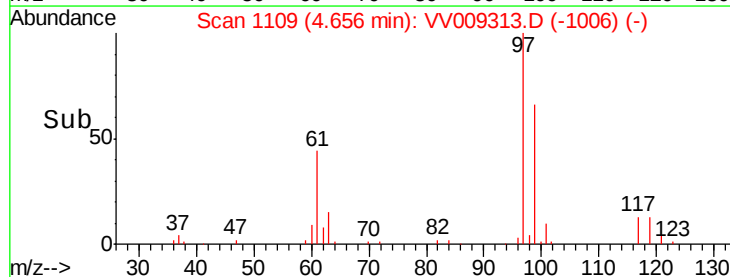
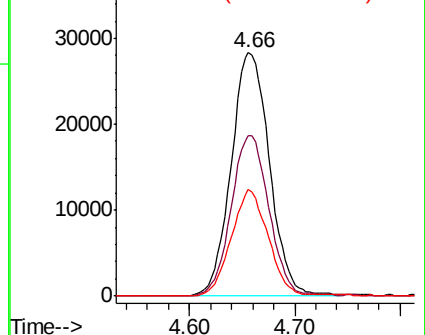
61 42.0 34.0 51.0

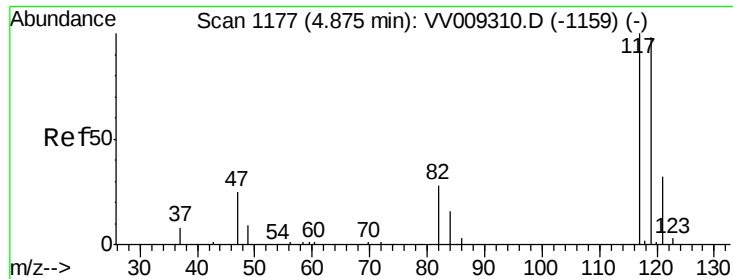


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 26.628 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

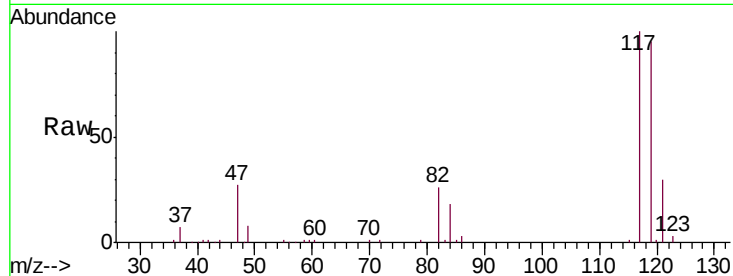
VICV74

Tgt Ion:117 Resp: 59663

Ion Ratio Lower Upper

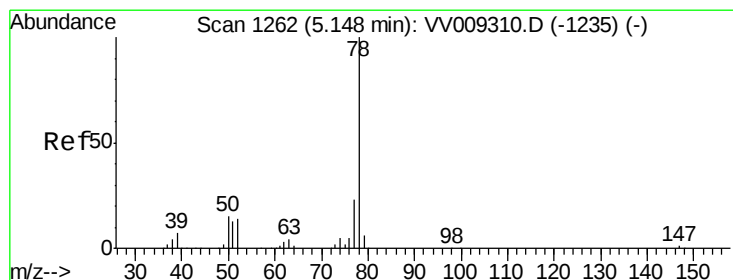
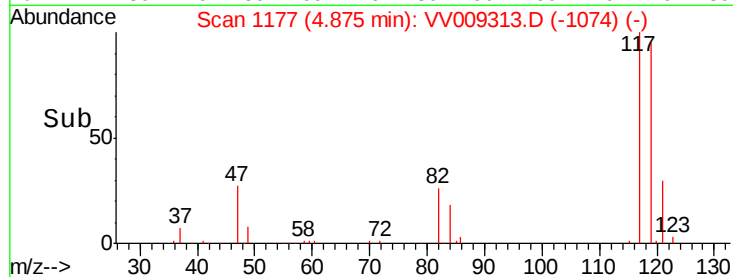
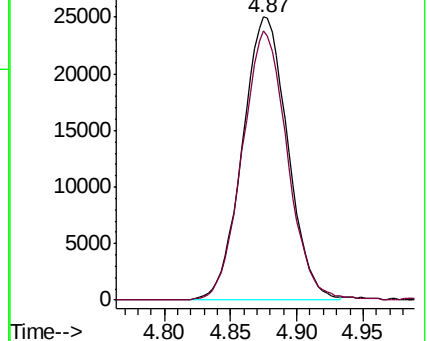
117 100

119 94.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.969 ug/L

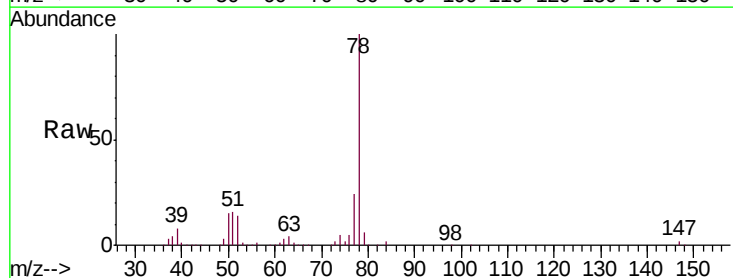
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

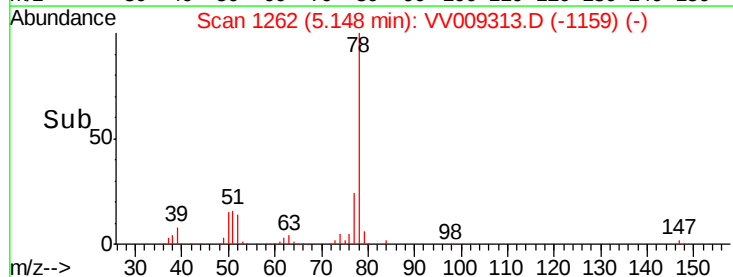
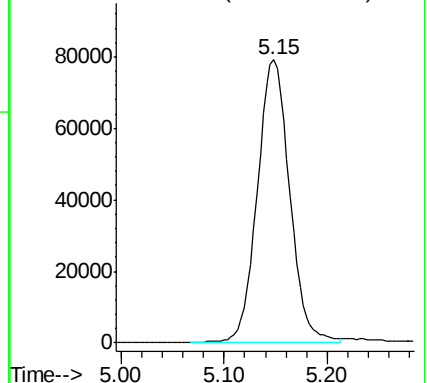
Lab File: VV009313.D

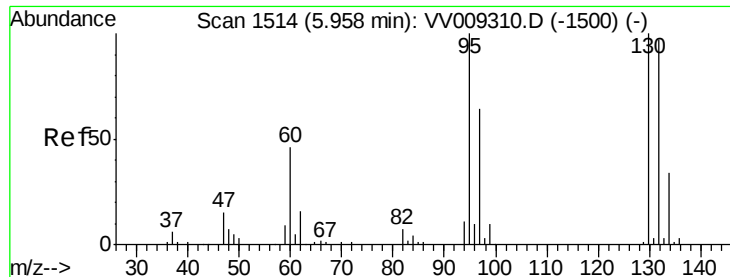
Acq: 20 Feb 2019 21:38

Tgt Ion: 78 Resp: 173128



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 26.738 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

Tgt Ion: 95 Resp: 47743

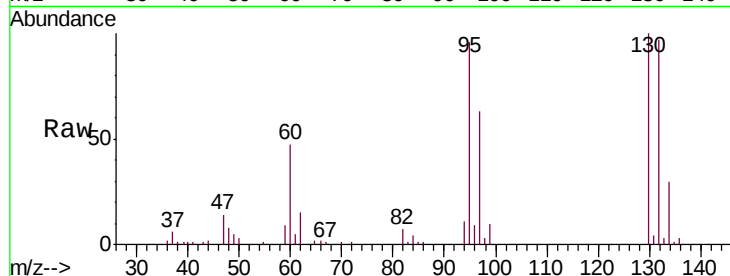
Ion Ratio Lower Upper

95 100

97 64.4 45.0 83.6

132 96.7 68.7 127.5

130 102.2 72.2 134.0

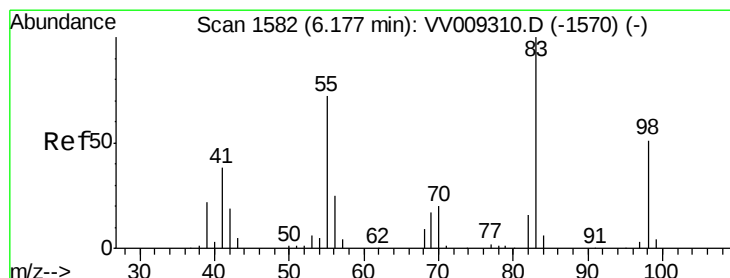
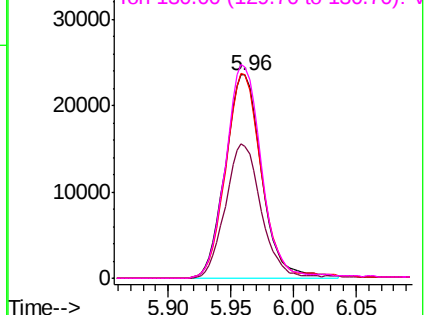
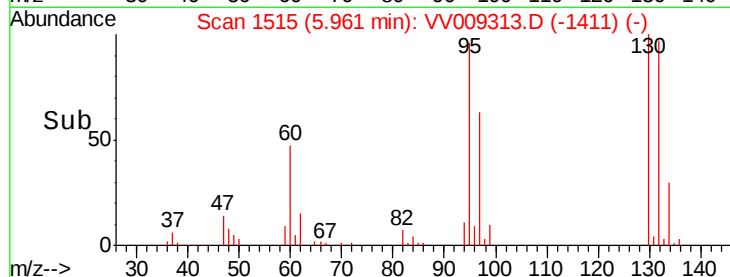


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 26.113 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

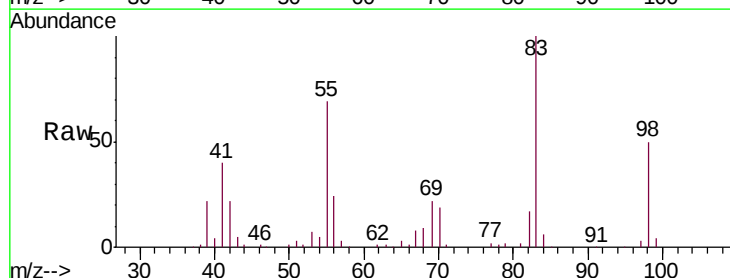
Tgt Ion: 83 Resp: 81560

Ion Ratio Lower Upper

83 100

55 70.6 55.8 83.6

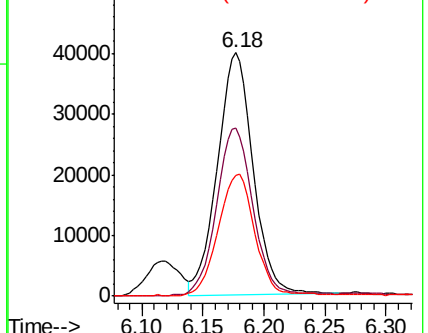
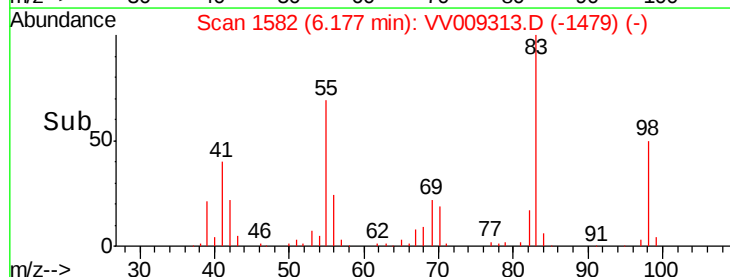
98 51.6 40.3 60.5

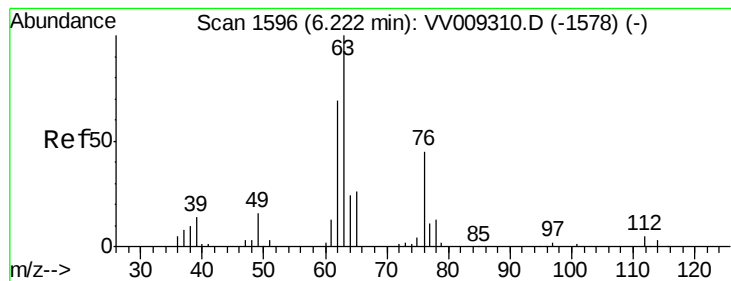


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 27.508 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

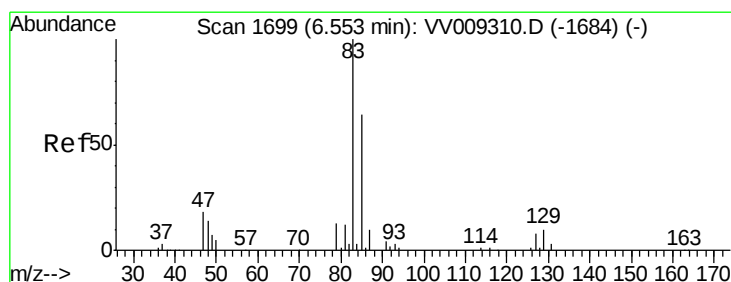
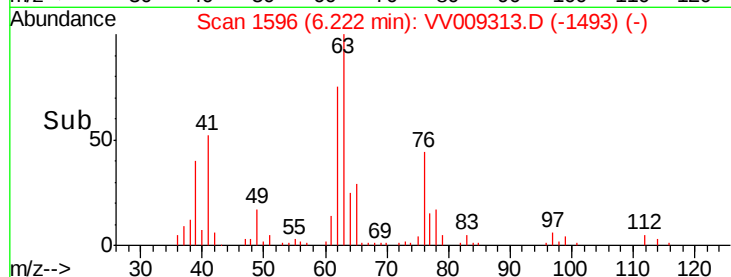
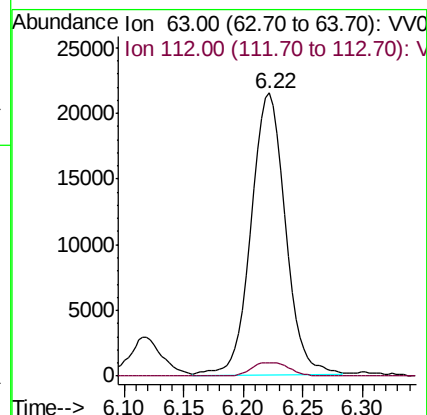
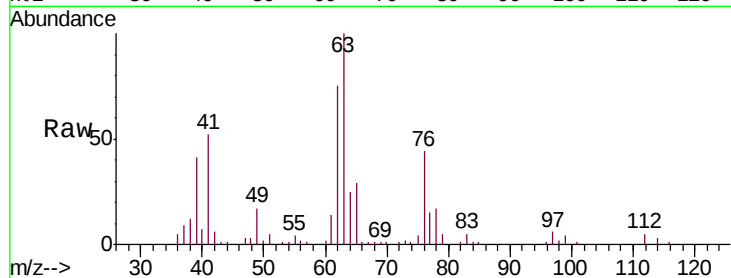
VICV74

Tgt Ion: 63 Resp: 42860

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.8



#41

Bromodichloromethane

Concen: 26.777 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

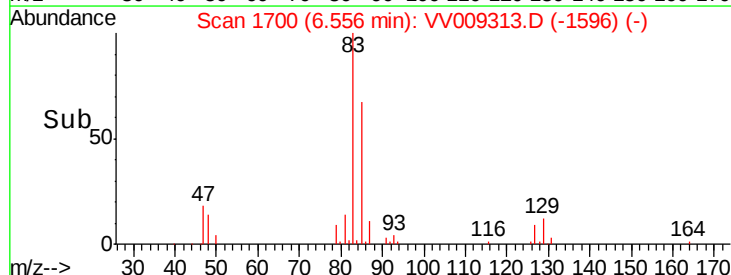
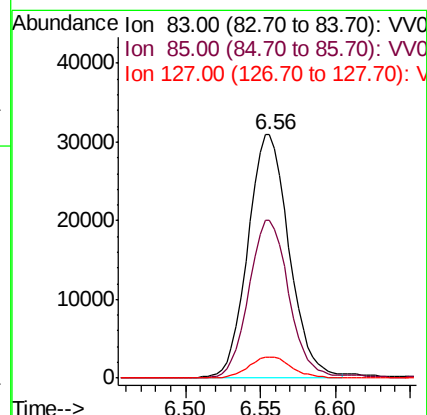
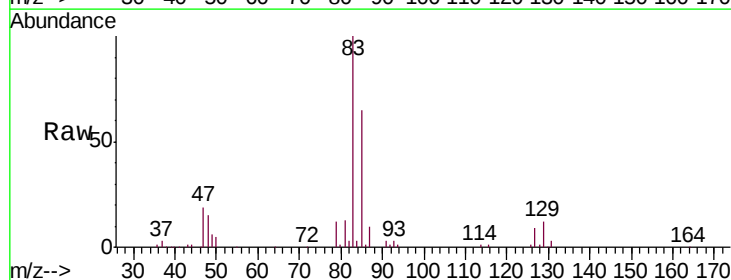
Tgt Ion: 83 Resp: 59417

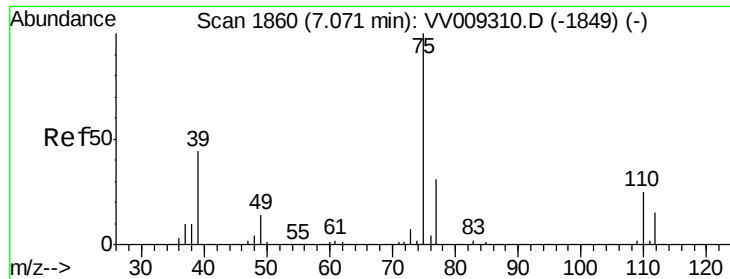
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

127 8.8 6.3 9.5



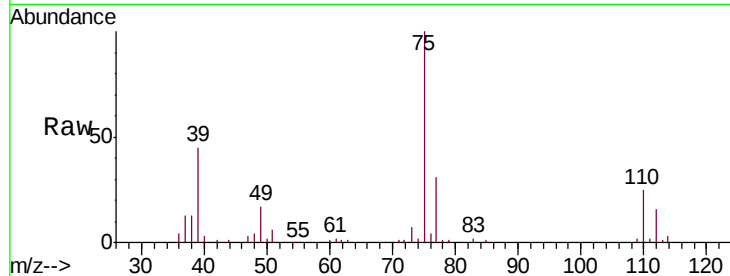


#42

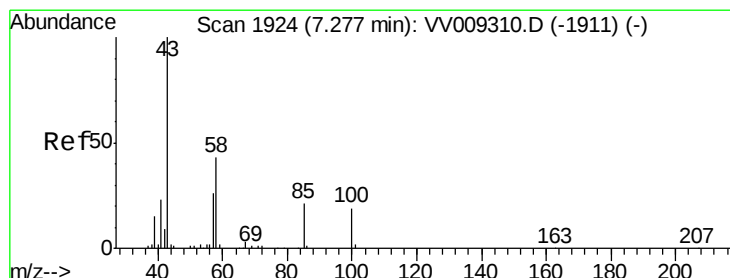
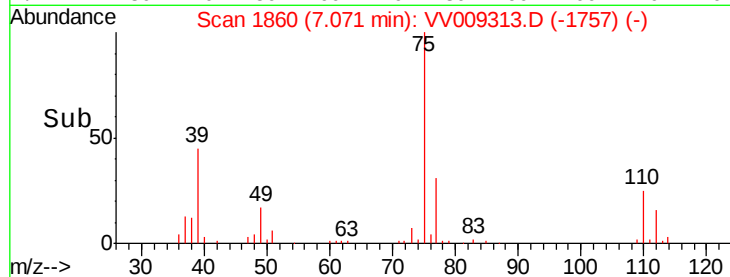
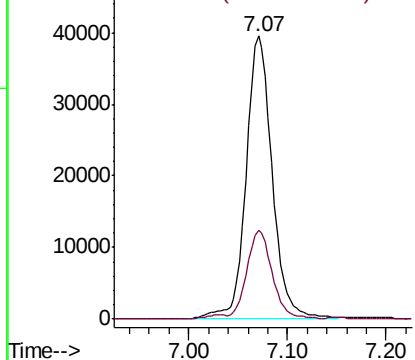
cis-1,3-Dichloropropene
Concen: 27.425 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Instrument :
MSVOA_V
ClientSampled :
VICV74

Tgt Ion: 75 Resp: 72518
Ion Ratio Lower Upper
75 100
77 31.3 22.0 40.8



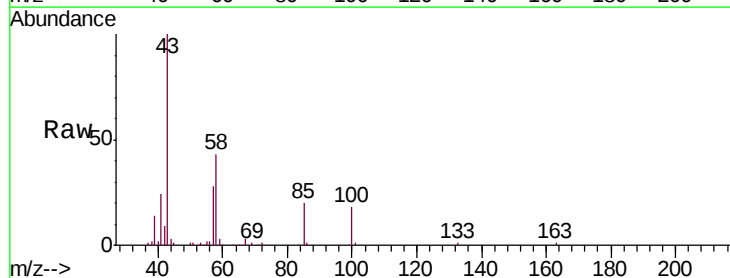
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



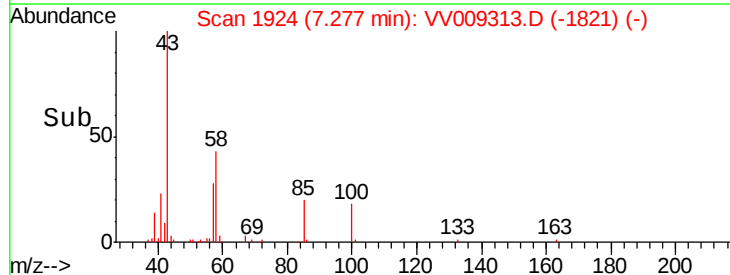
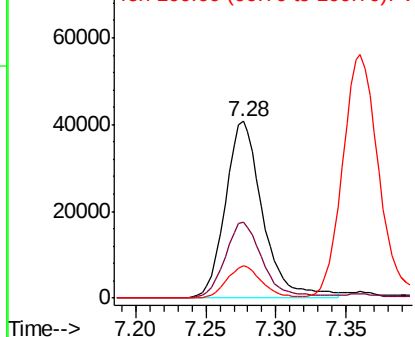
#43

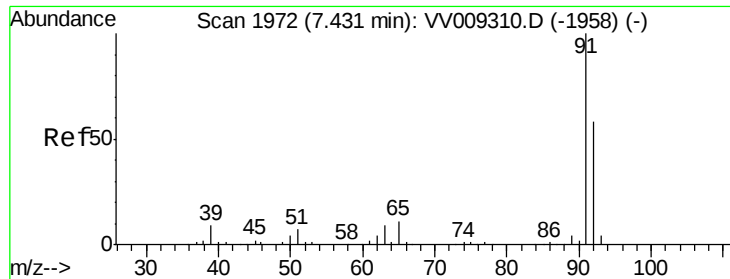
4-Methyl-2-pentanone
Concen: 56.982 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Tgt Ion: 43 Resp: 74529
Ion Ratio Lower Upper
43 100
58 43.4 34.2 51.4
100 17.5 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#44

Toluene

Concen: 26.243 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

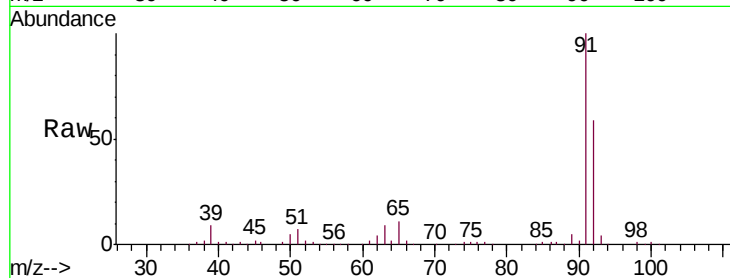
VICV74

Tgt Ion: 91 Resp: 186847

Ion Ratio Lower Upper

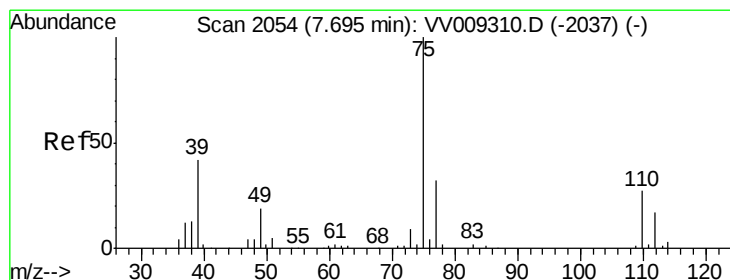
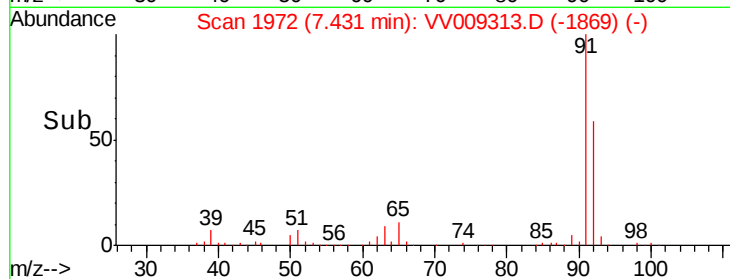
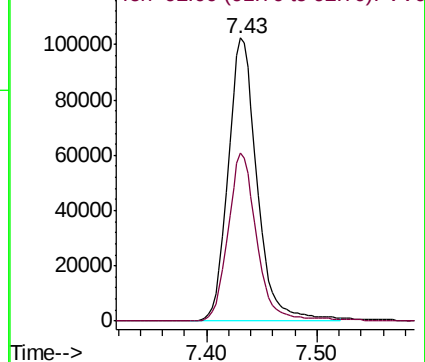
91 100

92 59.4 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV009313.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009313.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 26.727 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009313.D

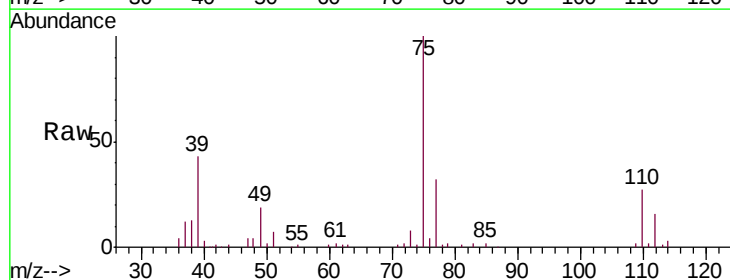
Acq: 20 Feb 2019 21:38

Tgt Ion: 75 Resp: 61884

Ion Ratio Lower Upper

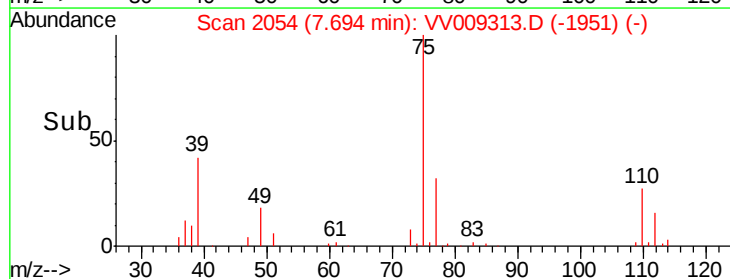
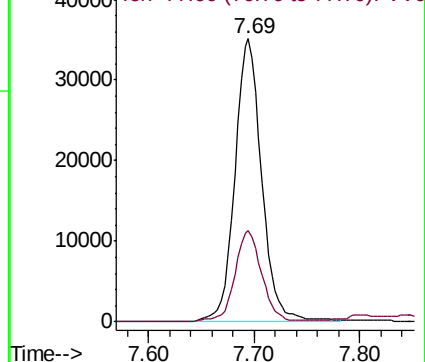
75 100

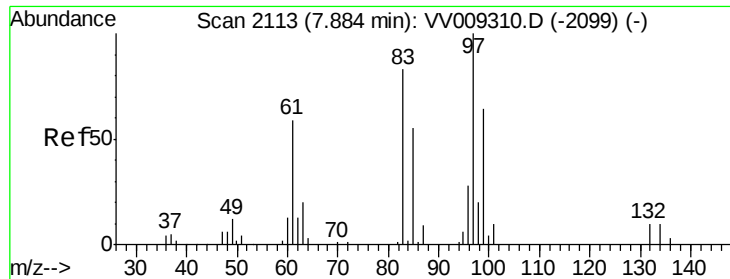
77 32.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV009313.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009313.D (-1951) (-)

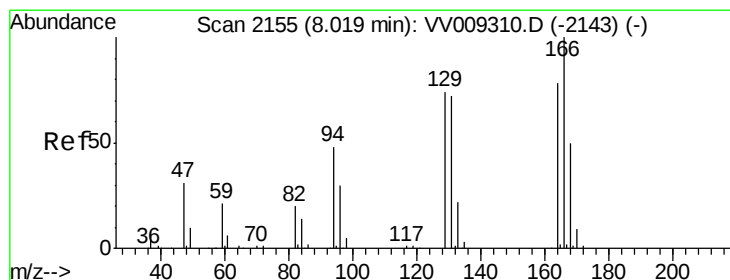
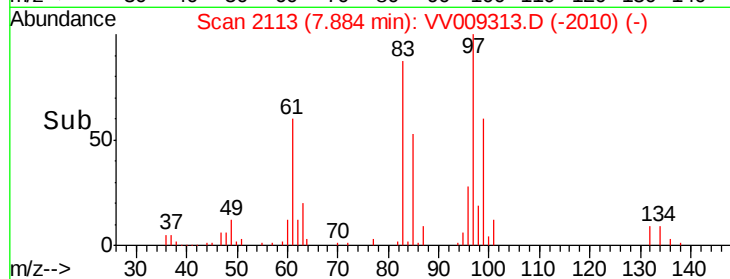
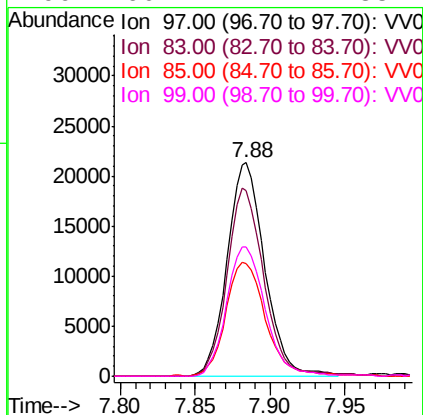
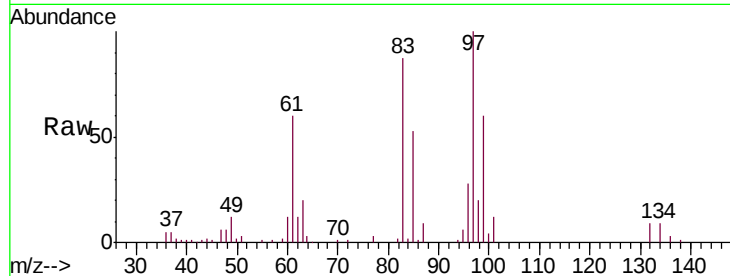




#46
1,1,2-Trichloroethane
Concen: 26.903 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

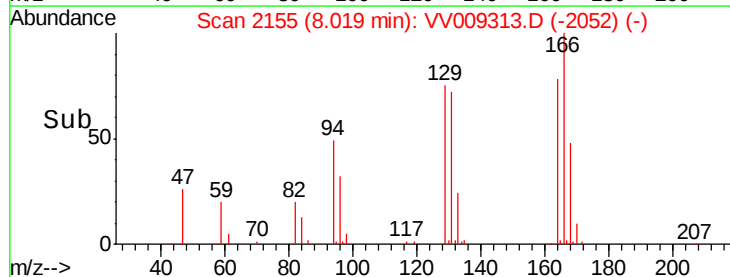
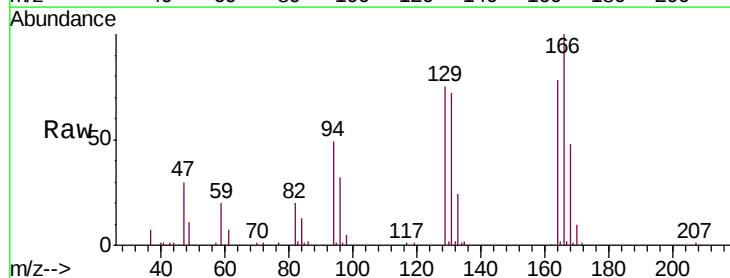
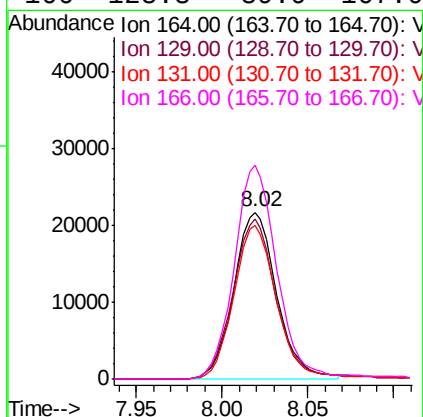
Instrument :
MSVOA_V
ClientSampleId :
VICV74

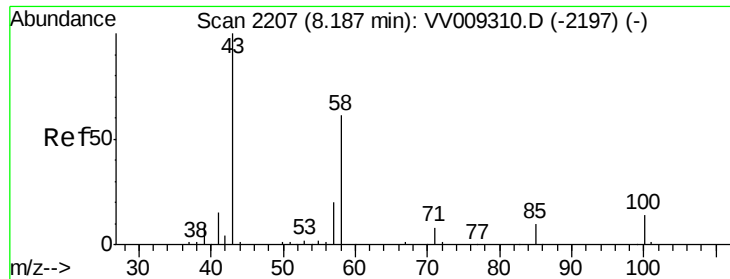
Tgt Ion:	97	Resp:	37327
Ion	Ratio	Lower	Upper
97	100		
83	86.7	58.1	107.9
85	53.0	38.4	71.2
99	60.2	44.7	83.1



#47
Tetrachloroethene
Concen: 26.966 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Tgt Ion:	164	Resp:	37633
Ion	Ratio	Lower	Upper
164	100		
129	95.9	67.0	124.4
131	92.2	65.0	120.8
166	128.3	89.9	167.0

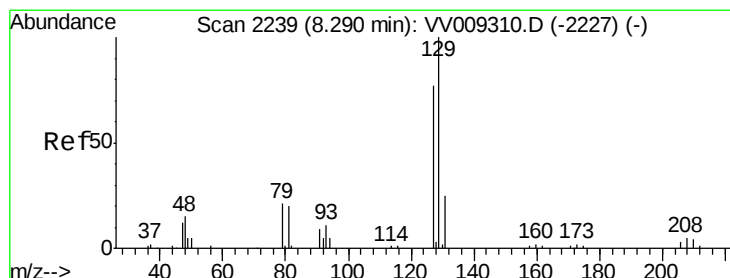
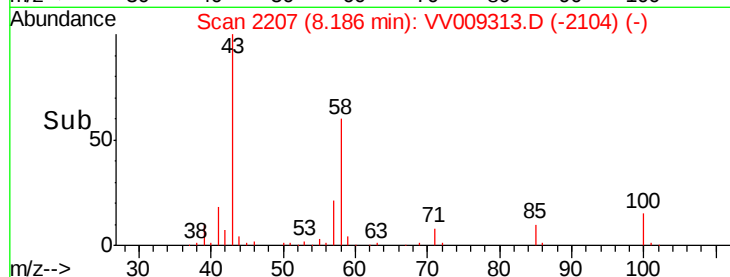
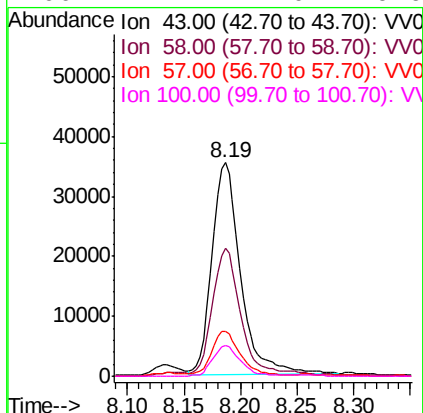
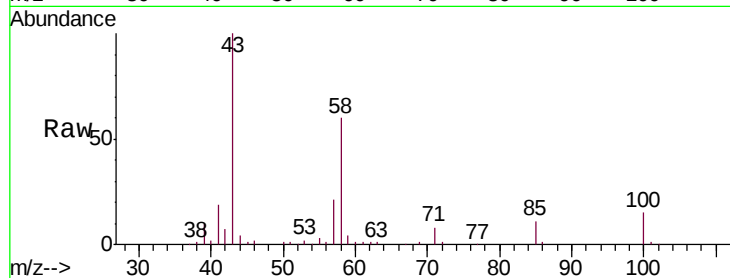




#49
2-Hexanone
Concen: 61.616 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

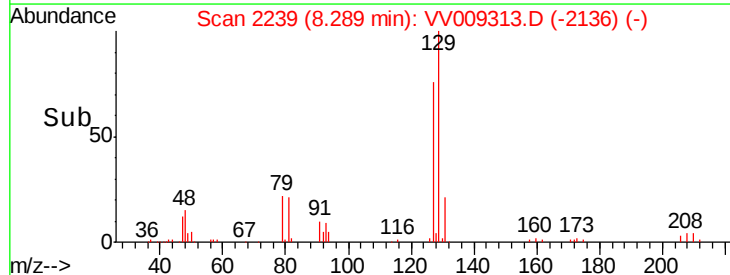
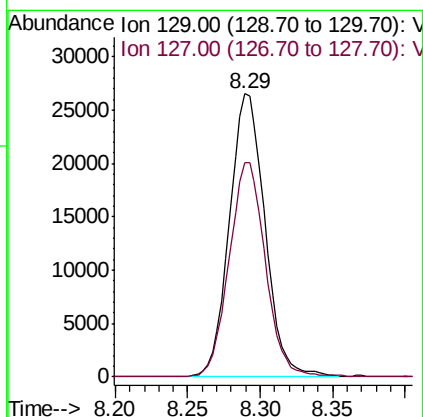
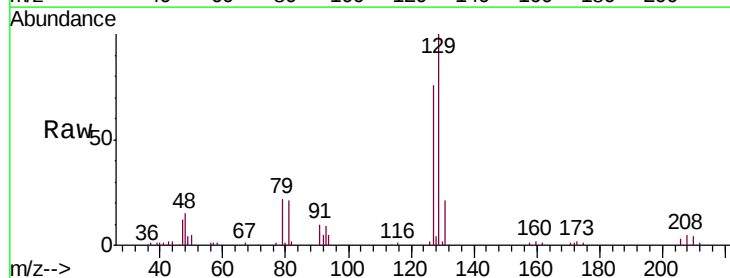
Instrument :
MSVOA_V
ClientSampled :
VICV74

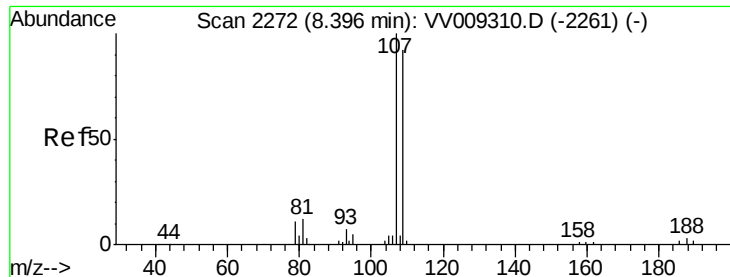
Tgt Ion: 43 Resp: 61979
Ion Ratio Lower Upper
43 100
58 56.2 46.8 70.2
57 21.8 14.2 21.2#
100 14.1 11.0 16.6



#50
Dibromochloromethane
Concen: 26.997 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009313.D
Acq: 20 Feb 2019 21:38

Tgt Ion: 129 Resp: 45164
Ion Ratio Lower Upper
129 100
127 75.9 53.6 99.6





#51

1,2-Dibromoethane

Concen: 28.097 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampled :

VICV74

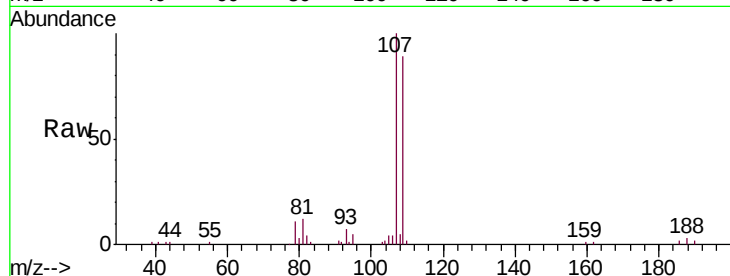
Tgt Ion:107 Resp: 39099

Ion Ratio Lower Upper

107 100

109 89.4 64.5 119.9

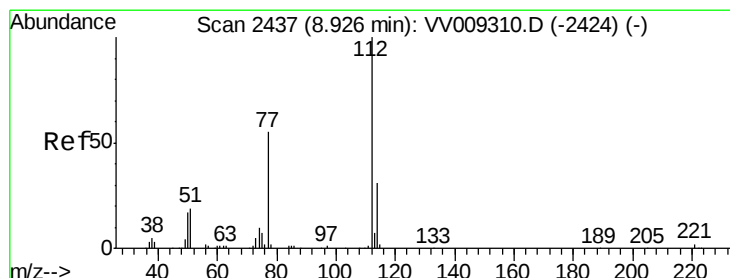
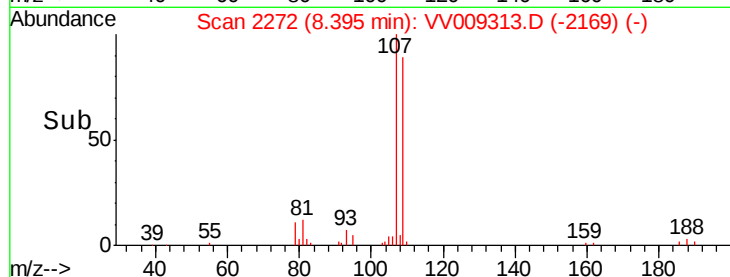
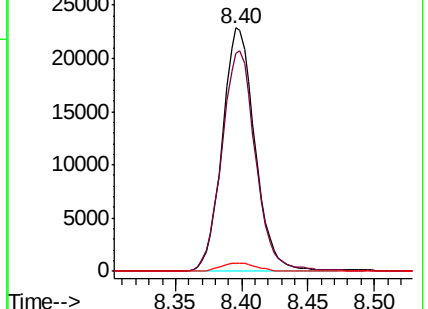
188 3.4 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 27.087 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

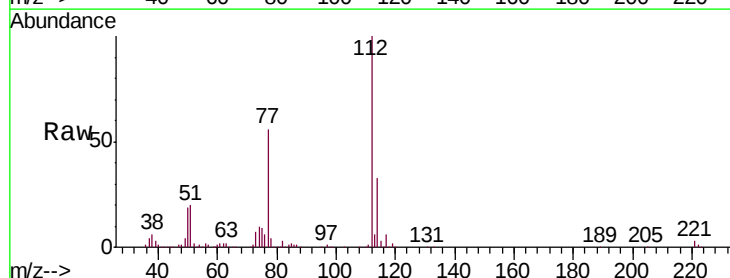
Tgt Ion:112 Resp: 125581

Ion Ratio Lower Upper

112 100

77 55.9 45.0 67.4

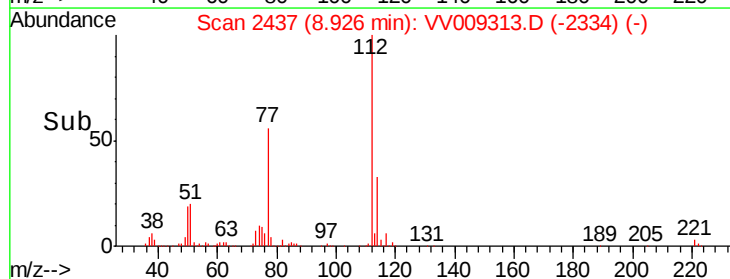
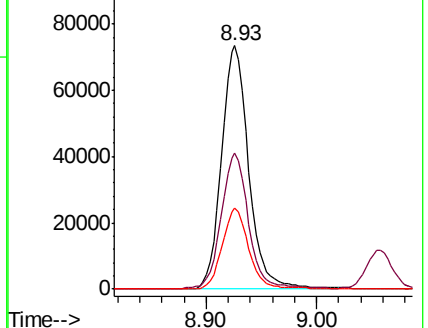
114 33.1 22.0 41.0

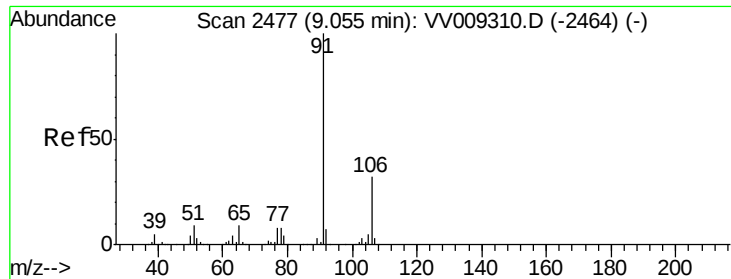


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.754 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampled :

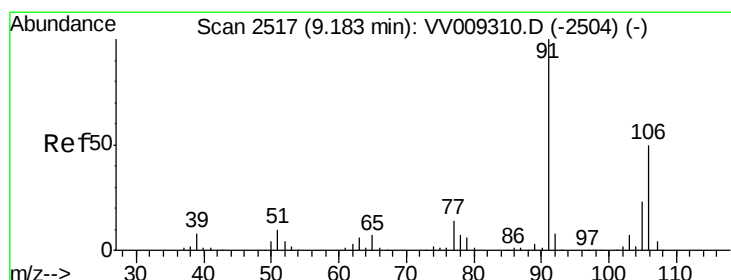
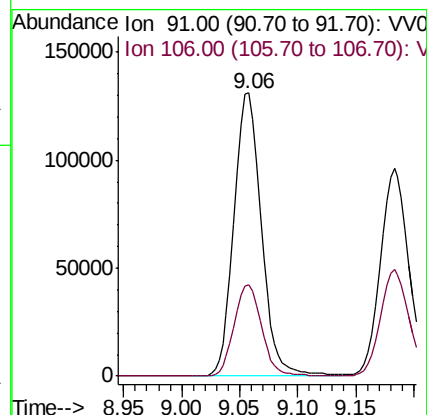
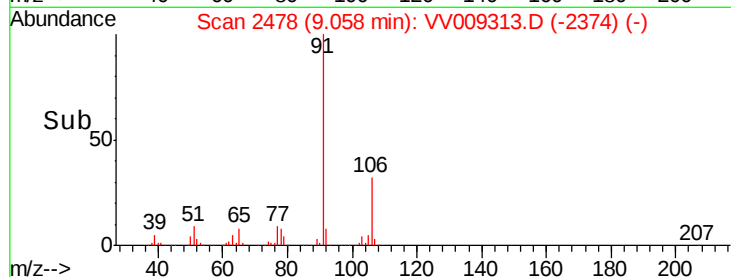
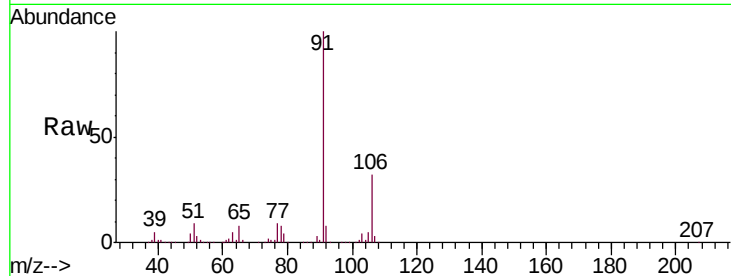
VICV74

Tgt Ion: 91 Resp: 215197

Ion Ratio Lower Upper

91 100

106 32.1 22.2 41.2



#54

m,p-Xylene

Concen: 27.457 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009313.D

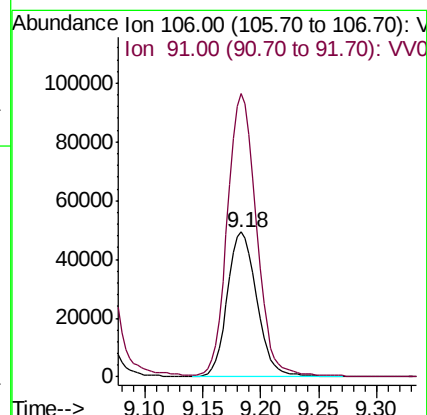
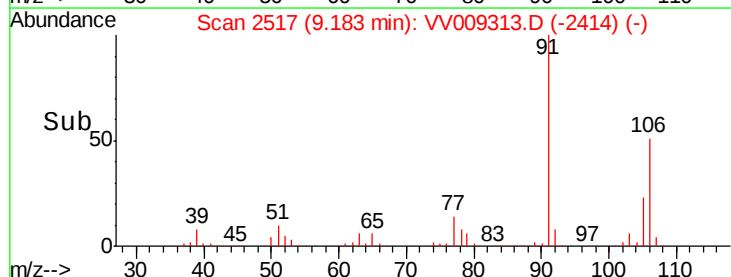
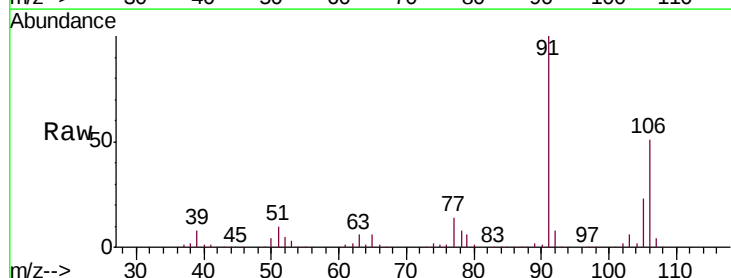
Acq: 20 Feb 2019 21:38

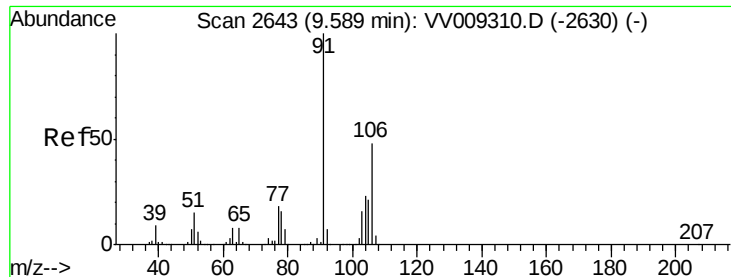
Tgt Ion: 106 Resp: 86174

Ion Ratio Lower Upper

106 100

91 195.6 141.4 262.6





#55

o-xylene

Concen: 27.642 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

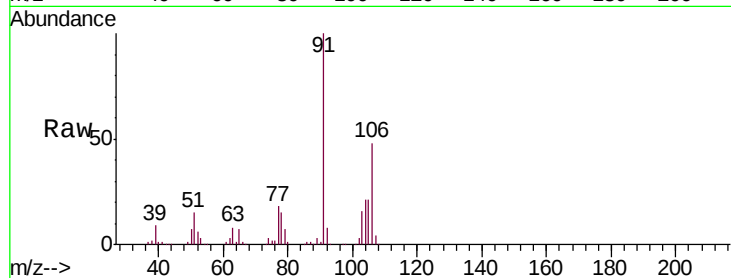
VICV74

Tgt Ion:106 Resp: 81432

Ion Ratio Lower Upper

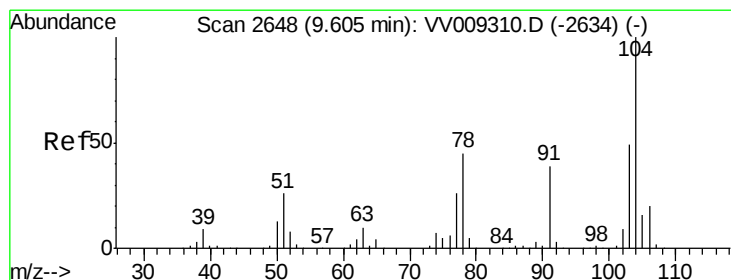
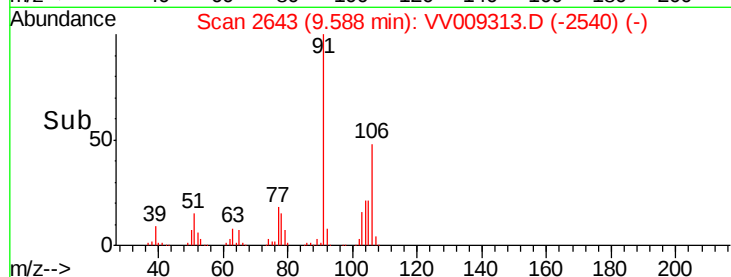
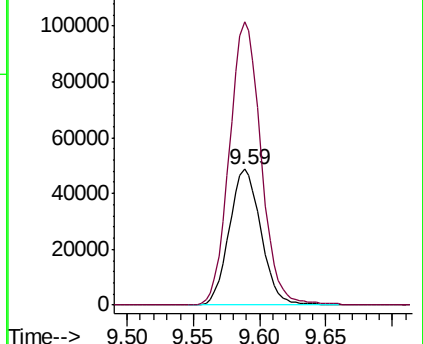
106 100

91 208.6 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.841 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009313.D

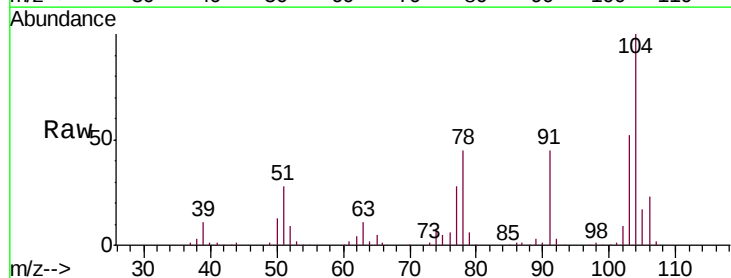
Acq: 20 Feb 2019 21:38

Tgt Ion:104 Resp: 135697

Ion Ratio Lower Upper

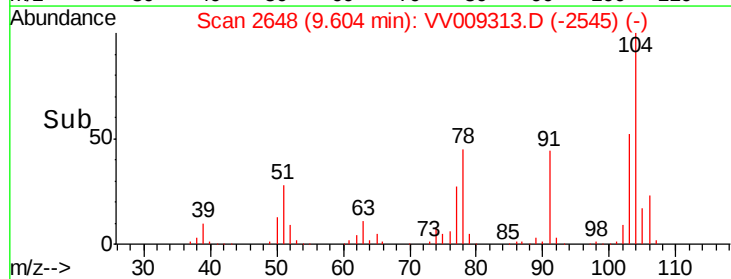
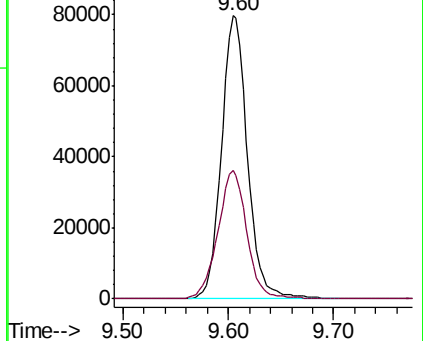
104 100

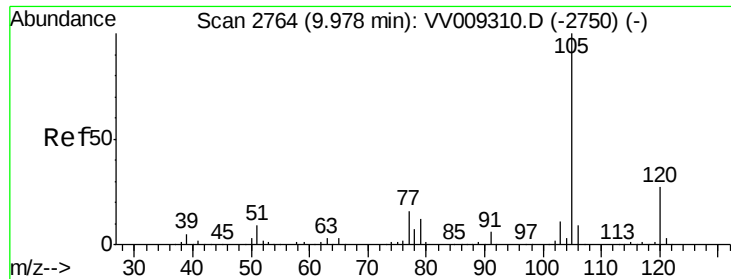
78 45.4 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.838 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

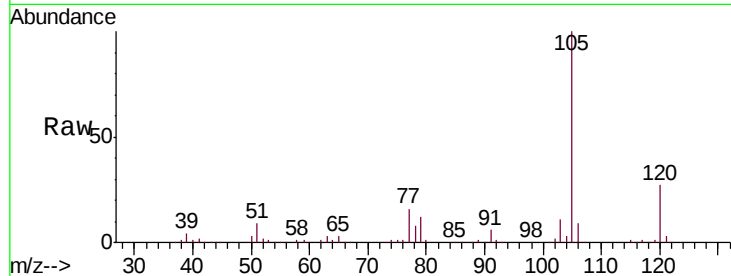
Tgt Ion: 105 Resp: 218875

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

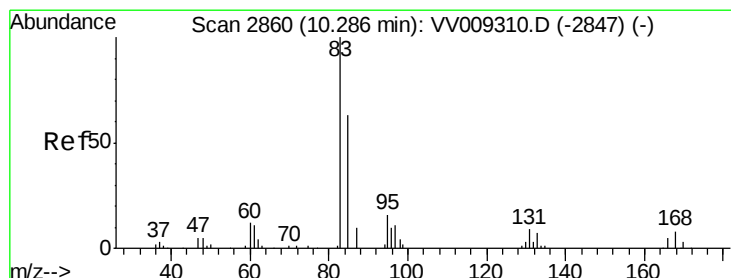
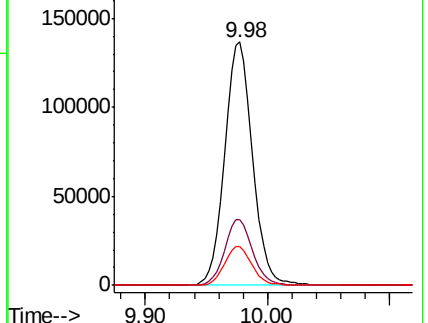
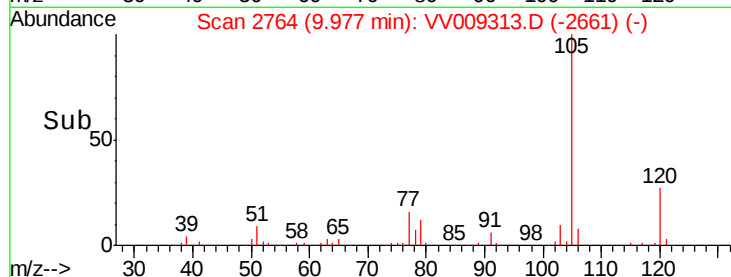
77 15.9 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.918 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

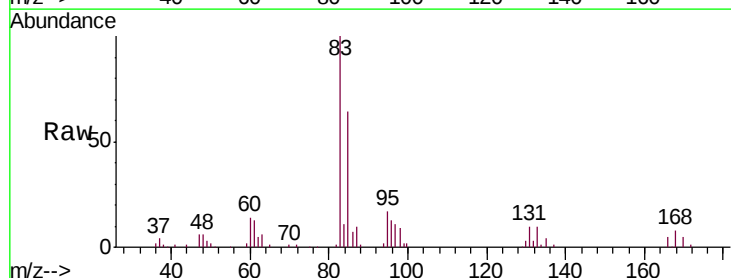
Tgt Ion: 83 Resp: 54661

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

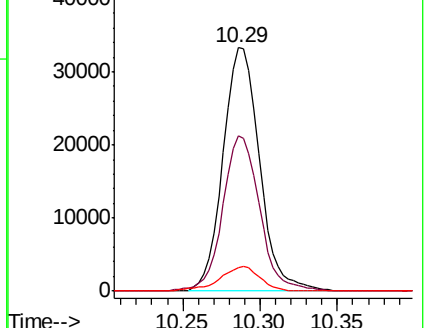
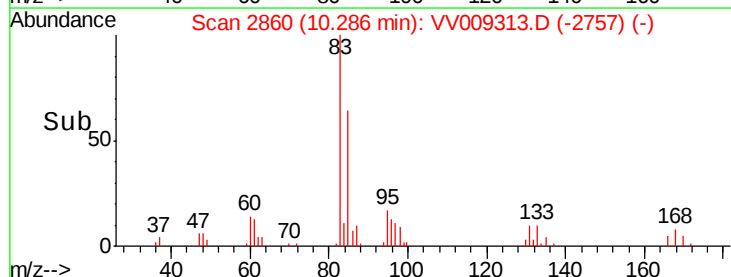
131 9.7 8.1 12.1

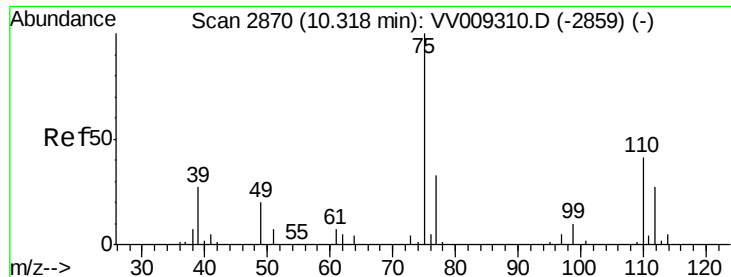


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.998 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampled :

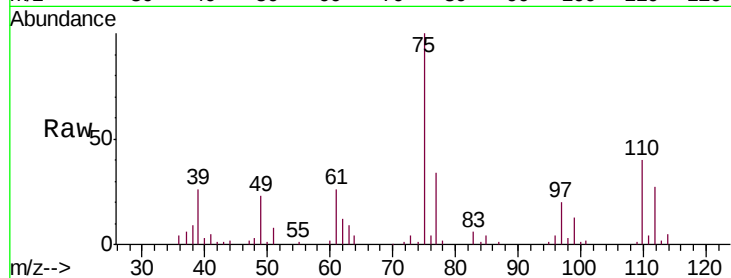
VICV74

Tgt Ion: 75 Resp: 39282

Ion Ratio Lower Upper

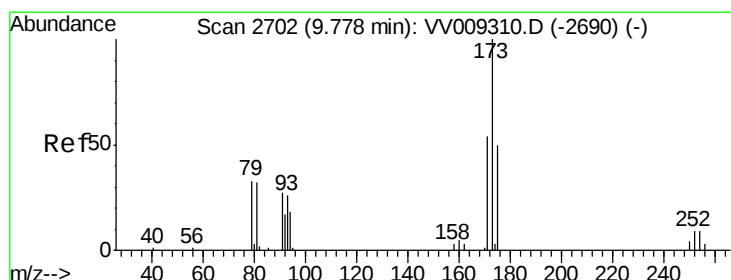
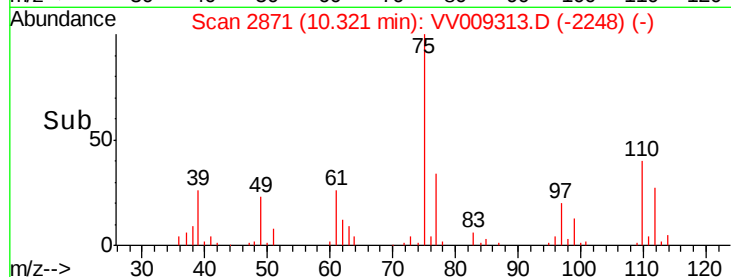
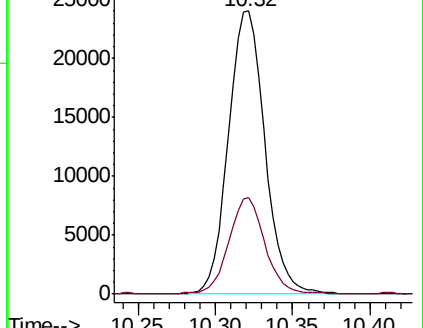
75 100

77 33.9 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV009313.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV009313.D (-2248) (-)



#62

Bromoform

Concen: 27.427 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

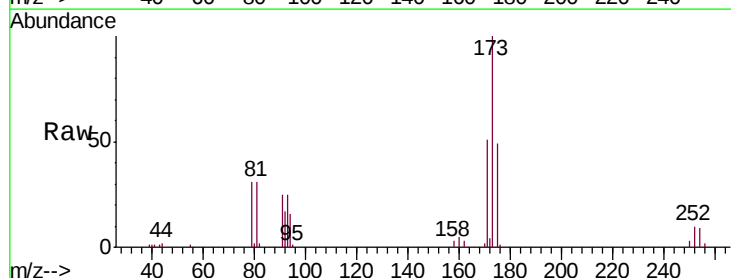
Tgt Ion: 173 Resp: 29050

Ion Ratio Lower Upper

173 100

175 48.1 39.1 58.7

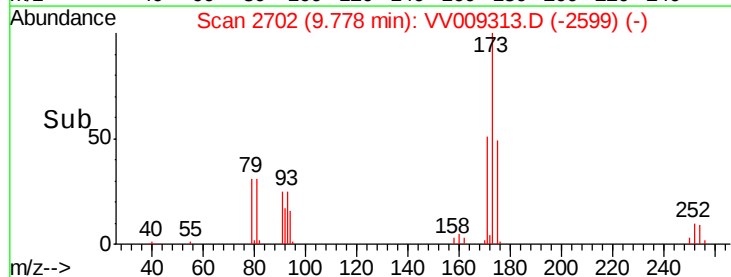
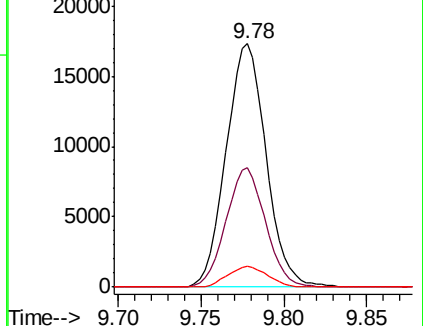
254 8.4 5.7 8.5

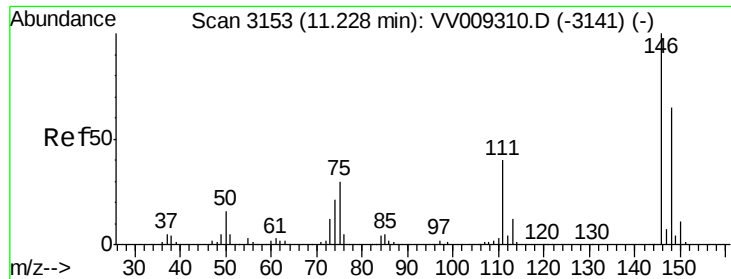


Abundance Ion 173.00 (172.70 to 173.70): VV009313.D (-2599) (-)

Ion 175.00 (174.70 to 175.70): VV009313.D (-2599) (-)

Ion 254.00 (253.70 to 254.70): VV009313.D (-2599) (-)





#63

1,3-Dichlorobenzene

Concen: 26.952 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

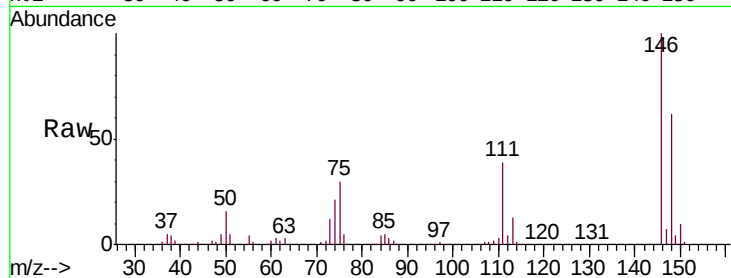
Tgt Ion:146 Resp: 99187

Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.4

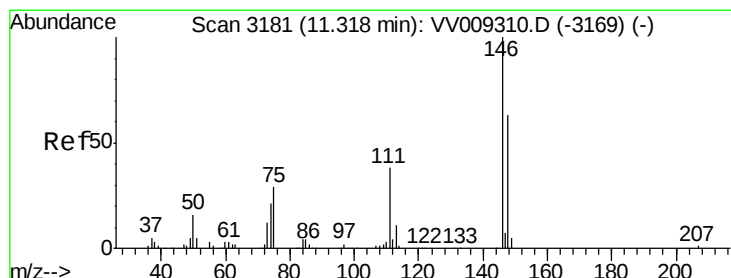
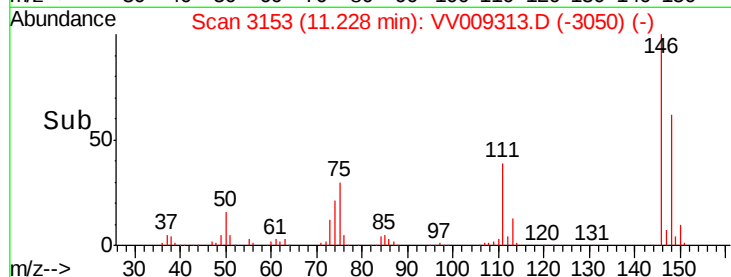
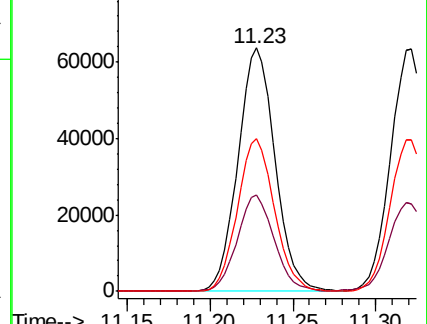
148 62.5 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 27.125 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

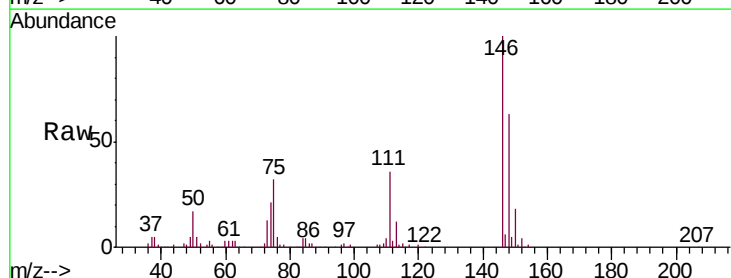
Tgt Ion:146 Resp: 99504

Ion Ratio Lower Upper

146 100

111 36.3 26.9 50.1

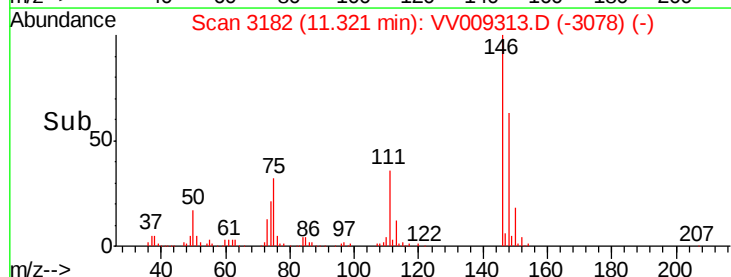
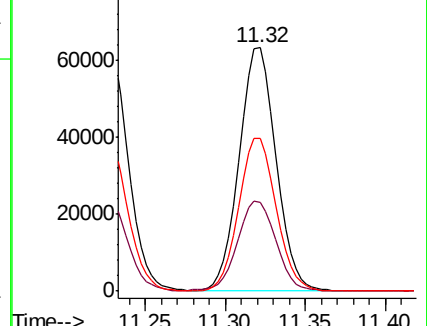
148 62.5 44.1 81.9

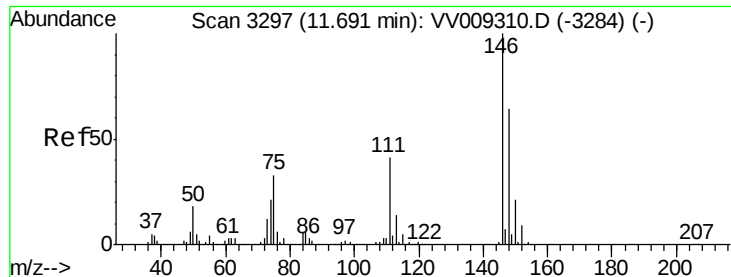


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.245 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

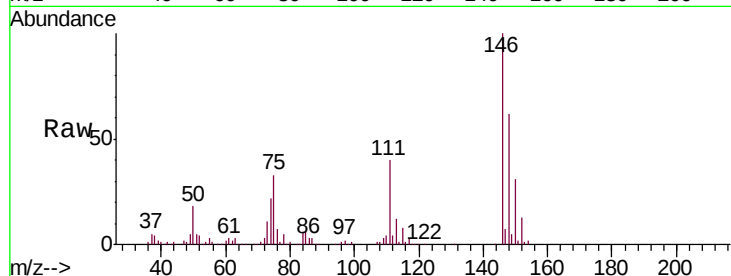
Tgt Ion:146 Resp: 94012

Ion Ratio Lower Upper

146 100

111 40.3 32.6 48.8

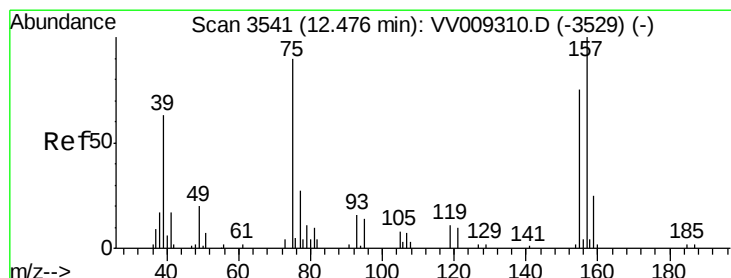
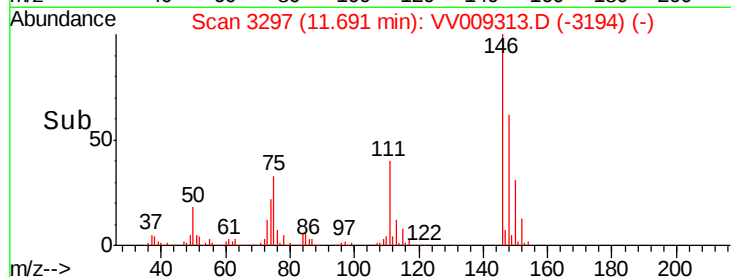
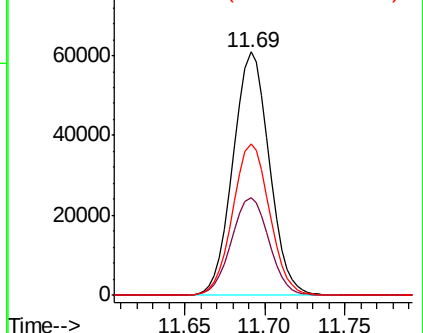
148 62.3 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 29.774 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

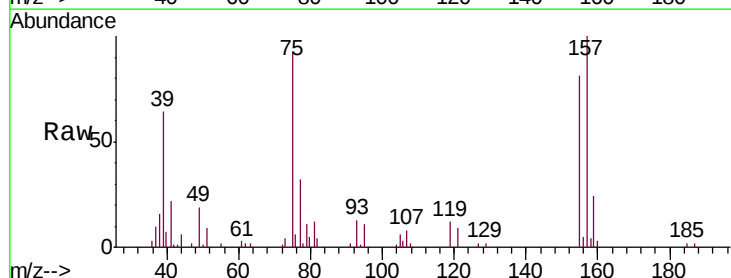
Tgt Ion: 75 Resp: 11410

Ion Ratio Lower Upper

75 100

157 107.0 88.6 133.0

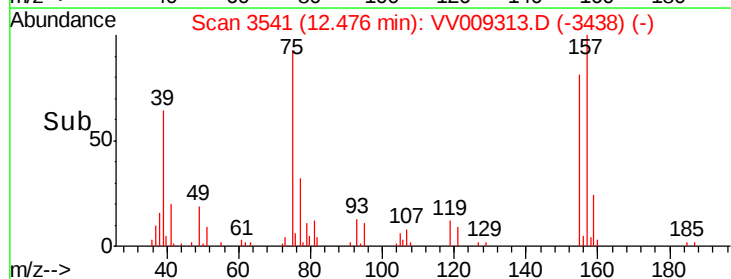
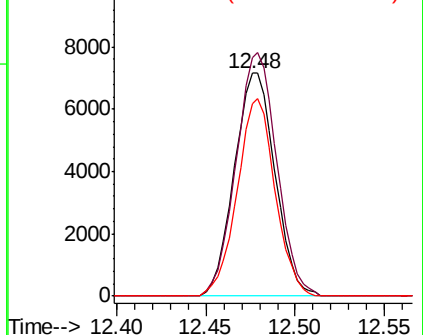
155 86.3 66.6 100.0

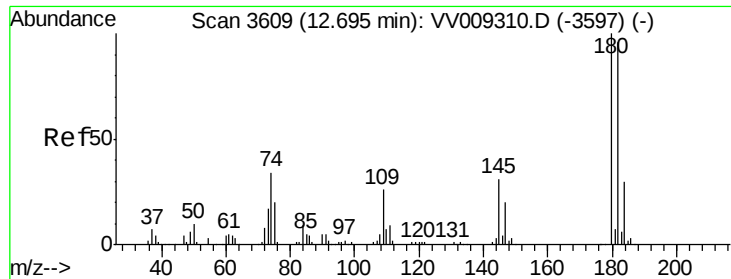


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

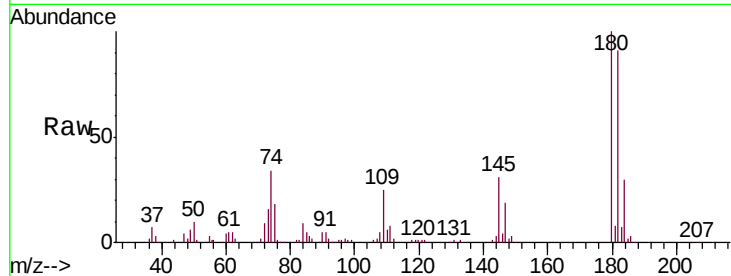




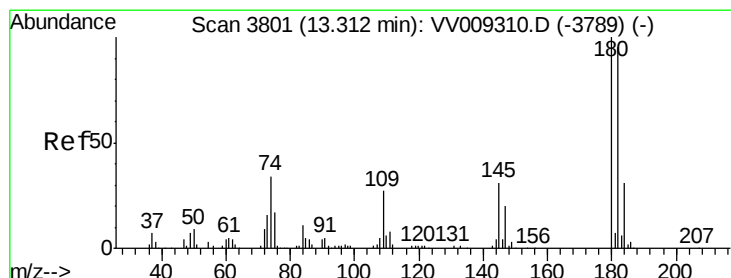
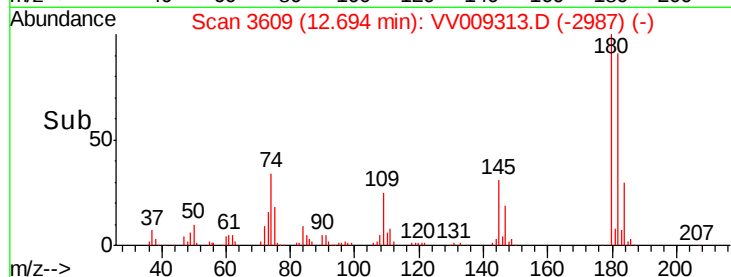
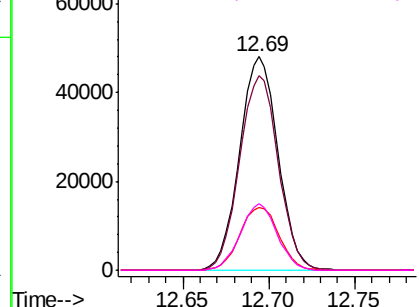
#67
 1,3,5-Trichlorobenzene
 Concen: 28.066 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV74

Tgt Ion:180 Resp: 74738
 Ion Ratio Lower Upper
 180 100
 182 92.0 77.4 116.2
 184 30.2 24.9 37.3
 145 30.0 24.3 36.5

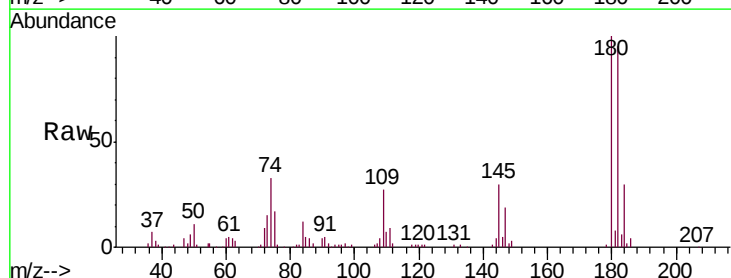


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

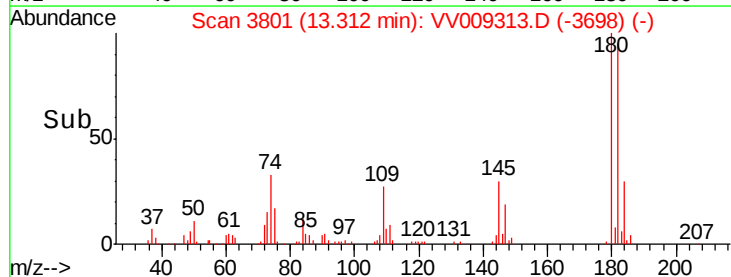
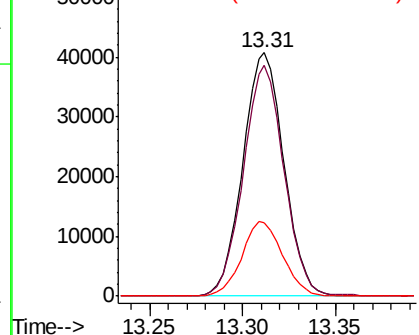


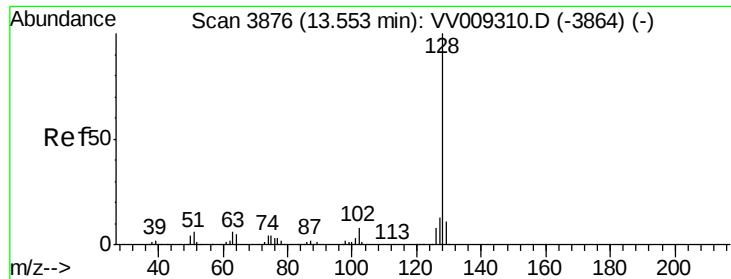
#68
 1,2,4-trichlorobenzene
 Concen: 28.910 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009313.D
 Acq: 20 Feb 2019 21:38

Tgt Ion:180 Resp: 62815
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.7 115.1
 145 30.5 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 33.321 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

Instrument :

MSVOA_V

ClientSampleId :

VICV74

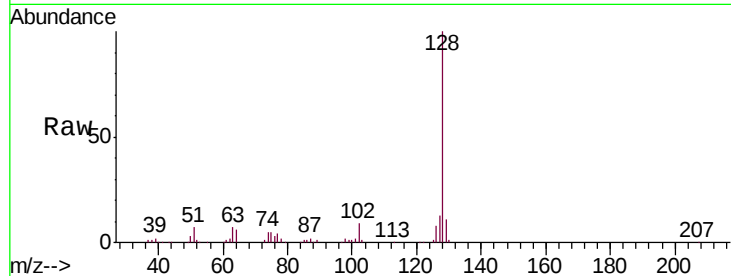
Tgt Ion:128 Resp: 155181

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

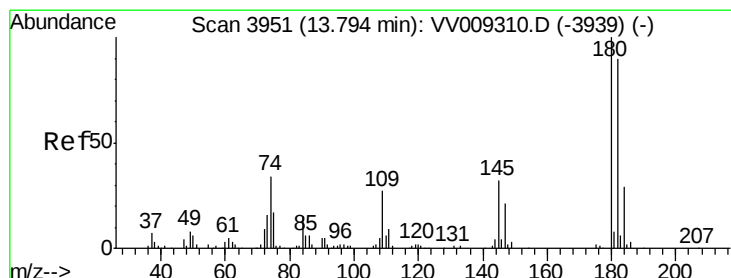
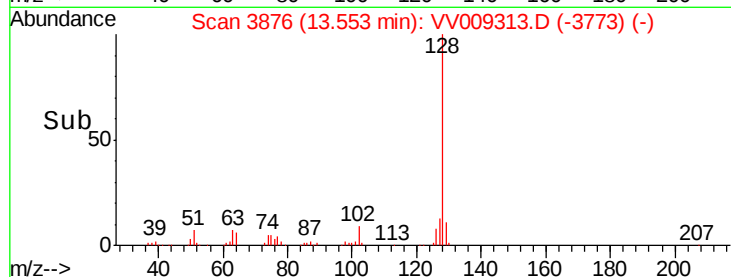
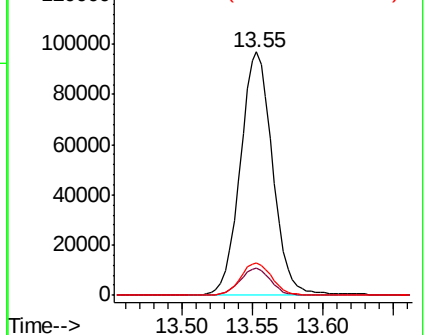
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 29.366 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009313.D

Acq: 20 Feb 2019 21:38

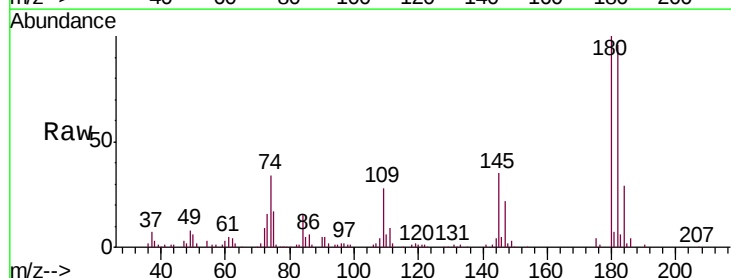
Tgt Ion:180 Resp: 58886

Ion Ratio Lower Upper

180 100

182 96.4 73.6 110.4

145 33.1 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

