

Data File : VV012432.D
Acq On : 28 Aug 2019 20:31
Operator : SY/MD
Sample : VSTD00135
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Quant Time: Aug 29 01:58:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 01:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	220629	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	215346	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	96731	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1903	0.21	ug/L	0.00
7) Chloroethane-d5	1.59	69	1606	0.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	12460	0.68	ug/L	0.00
20) 2-Butanone-d5	3.97	46	30359	9.87	ug/L	0.01
24) Chloroform-d	4.40	84	19199	0.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	7488	0.65	ug/L	0.00
32) Benzene-d6	5.10	84	20524	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	10561	0.71	ug/L	0.00
41) Toluene-d8	7.36	98	22371	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3770	0.66	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	20892	10.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	10825	1.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13542	0.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	33726	1.577 ug/L	99
3) Chloromethane	1.25	50	27178	1.627 ug/L	99
5) Vinyl chloride	1.32	62	25577	1.605 ug/L	99
6) Bromomethane	1.54	94	13259	1.723 ug/L	98
8) Chloroethane	1.60	64	13291	1.633 ug/L	99
9) Trichlorofluoromethane	1.77	101	34961	1.624 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	17159	1.563 ug/L	98
12) 1,1-Dichloroethene	2.14	96	16784	1.663 ug/L	99
13) Acetone	2.23	43	27475	18.429 ug/L	99
14) Carbon disulfide	2.32	76	48608	1.541 ug/L	100
15) Methyl Acetate	2.47	43	6736	1.819 ug/L	100
16) Methylene chloride	2.53	84	17694	1.592 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	47791	1.576 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	21960	1.493 ug/L	97
19) 1,1-Dichloroethane	3.23	63	44453	1.598 ug/L	96
21) 2-Butanone	4.05	43	52484	15.170 ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	23145	1.443 ug/L	94
23) Bromochloromethane	4.30	128	10094	1.491 ug/L	97
25) Chloroform	4.42	83	46760	1.530 ug/L	98
27) 1,2-Dichloroethane	5.18	62	26561	1.614 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	37107	1.537 ug/L	99
30) Cyclohexane	4.72	56	35137	1.401 ug/L	99
31) Carbon tetrachloride	4.87	117	32807	1.537 ug/L	98
33) Benzene	5.15	78	91464	1.486 ug/L	100
34) Trichloroethene	5.96	95	24262	1.480 ug/L	97
35) Methylcyclohexane	6.17	83	33482	1.287 ug/L	98
37) 1,2-Dichloropropane	6.22	63	22782	1.453 ug/L	100
38) Bromodichloromethane	6.55	83	30873	1.591 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	28353	1.341 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	127655	14.815 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	90923	1.437	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	22774	1.439	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	16244	1.598	ug/L	96
47) Tetrachloroethene	8.02	164	19707	1.483	ug/L	99
48) 2-Hexanone	8.19	43	85682	13.894	ug/L	98
49) Dibromochloromethane	8.29	129	18373	1.503	ug/L	99
50) 1,2-Dibromoethane	8.40	107	13998	1.476	ug/L #	99
51) Chlorobenzene	8.92	112	60511	1.473	ug/L	97
52) Ethylbenzene	9.05	91	94014	1.376	ug/L	98
53) m,p-xylene	9.18	106	34470	1.337	ug/L	97
54) o-xylene	9.59	106	33030	1.346	ug/L	94
55) Styrene	9.60	104	54908	1.333	ug/L	99
56) Isopropylbenzene	9.97	105	88055	1.349	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	19188	1.694	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	13405	1.541	ug/L	95
61) Bromoform	9.77	173	9963	1.587	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	43609	1.485	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	45475	1.548	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	41786	1.546	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2888	1.790	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	33113	1.469	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	25039	1.552	ug/L	98
69) Naphthalene	13.55	128	34376	1.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	25382	1.670	ug/L	93

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

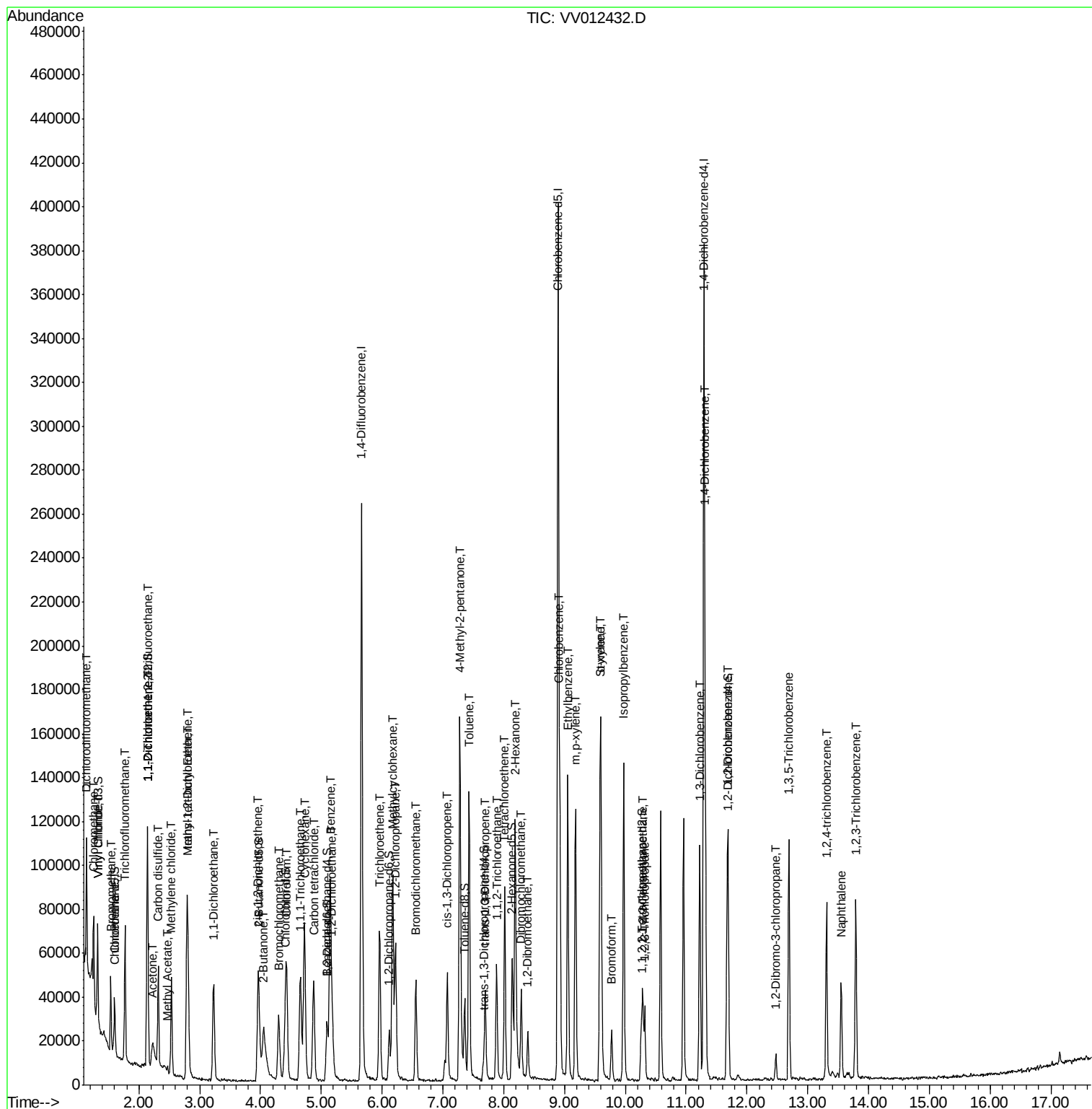
Quant Time: Aug 29 01:58:47 2019

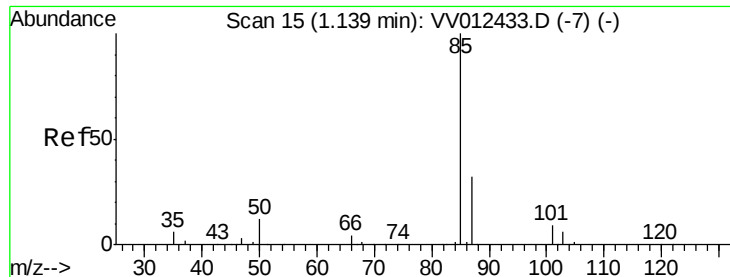
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 29 01:55:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.577 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

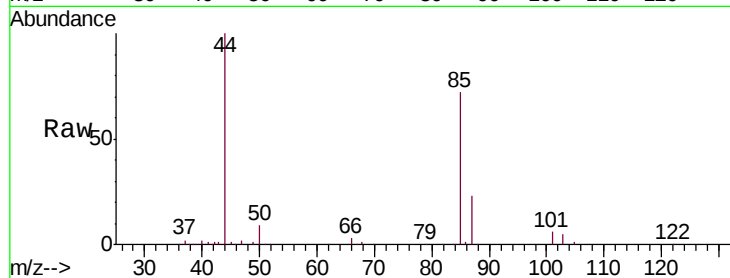
VSTD00135

Tgt Ion: 85 Resp: 33726

Ion Ratio Lower Upper

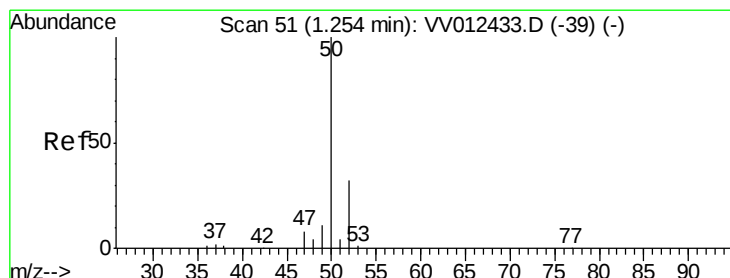
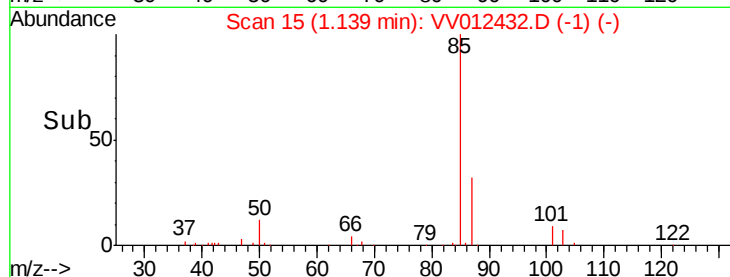
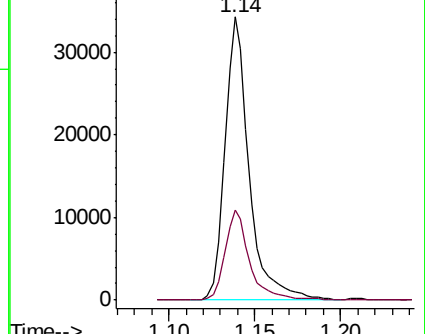
85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.627 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012432.D

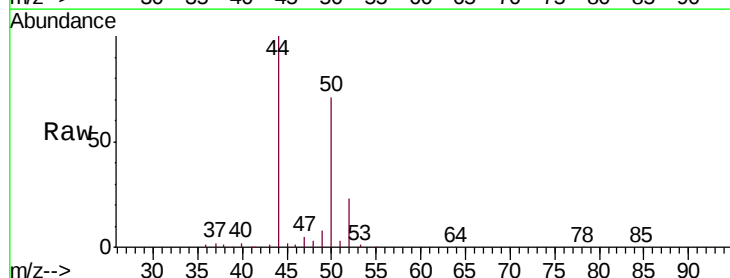
Acq: 28 Aug 2019 20:31

Tgt Ion: 50 Resp: 27178

Ion Ratio Lower Upper

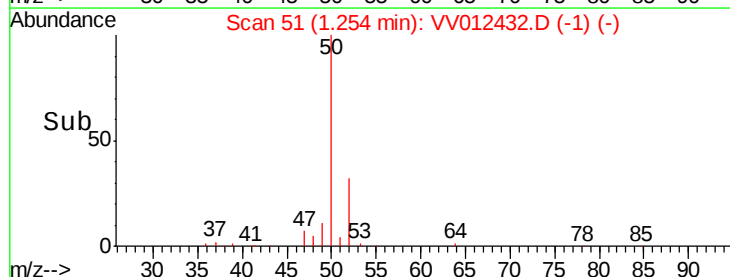
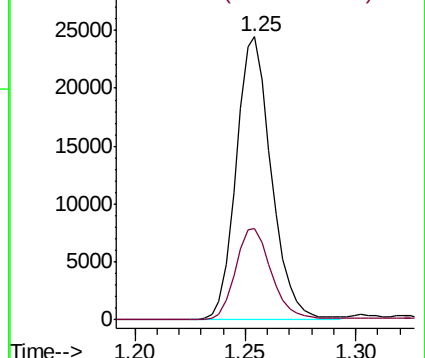
50 100

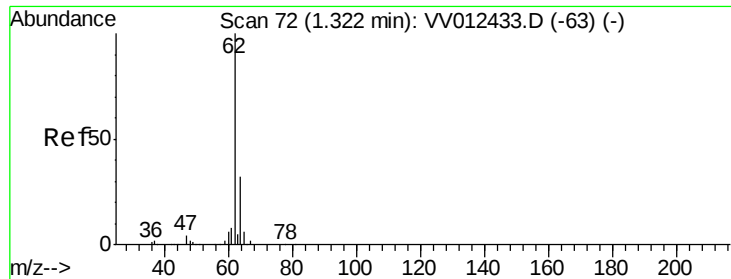
52 32.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.605 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

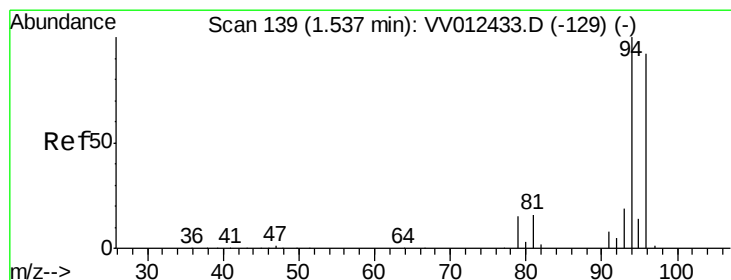
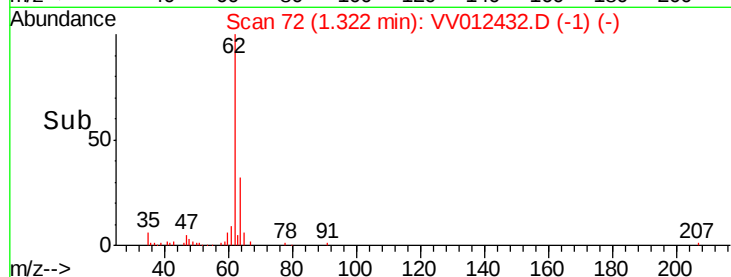
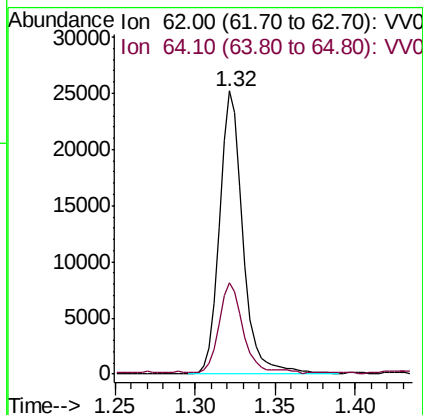
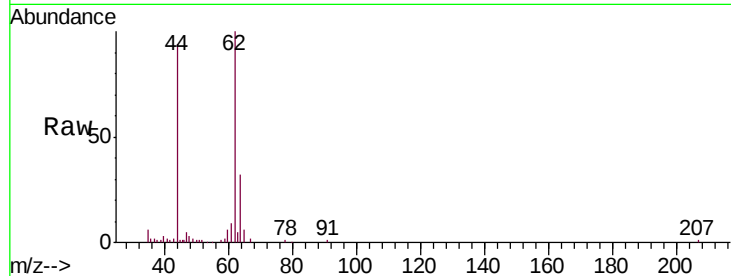
VSTD00135

Tgt Ion: 62 Resp: 25577

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#6

Bromomethane

Concen: 1.723 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012432.D

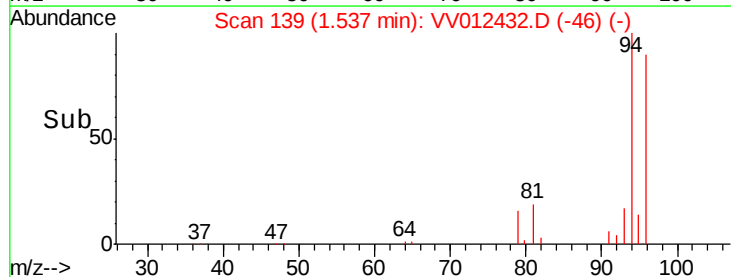
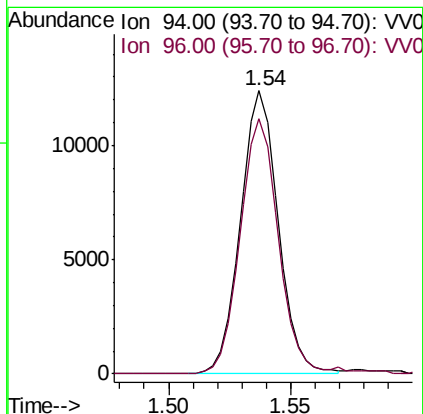
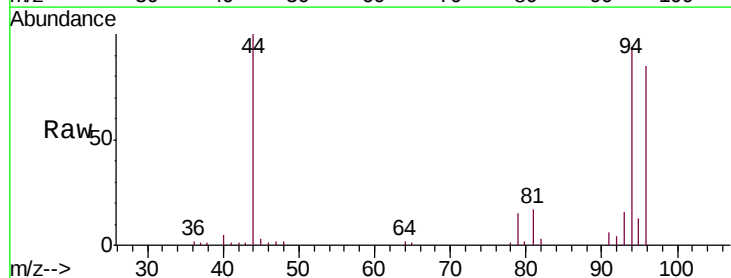
Acq: 28 Aug 2019 20:31

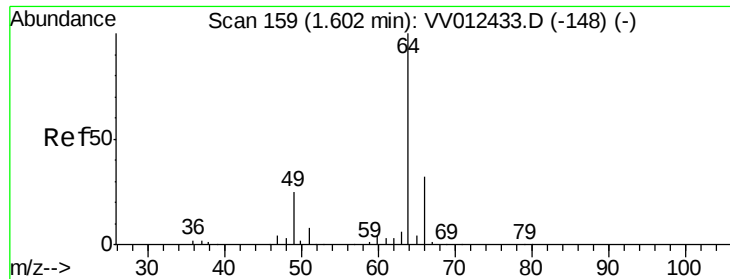
Tgt Ion: 94 Resp: 13259

Ion Ratio Lower Upper

94 100

96 90.3 64.3 119.3

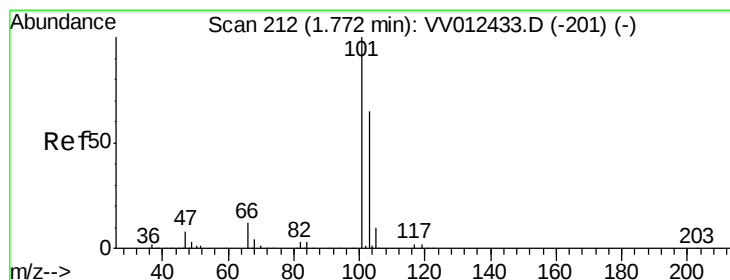
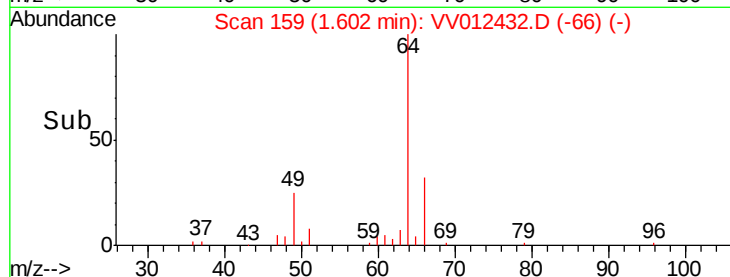
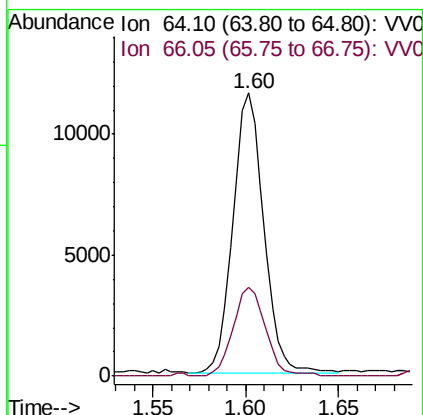
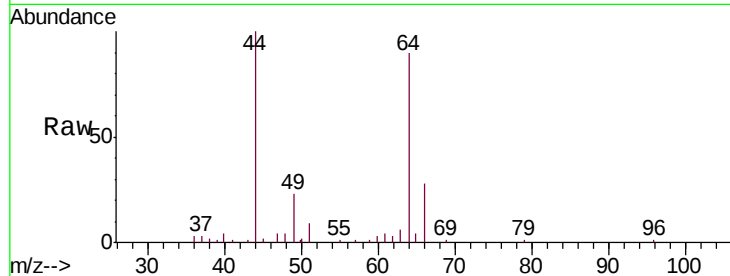




#8
 Chloroethane
 Concen: 1.633 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

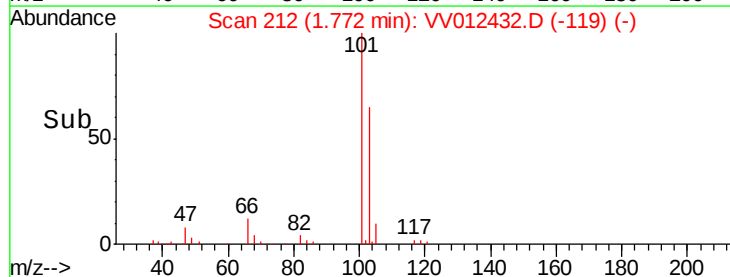
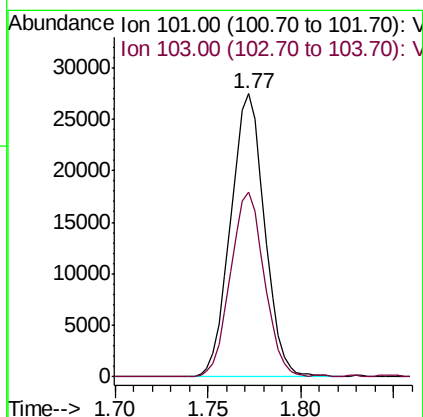
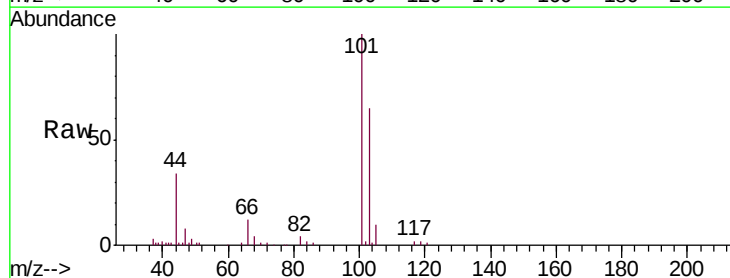
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

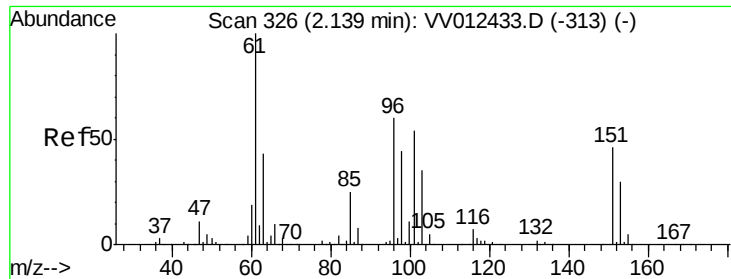
Tgt Ion: 64 Resp: 13291
 Ion Ratio Lower Upper
 64 100
 66 31.5 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 1.624 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 101 Resp: 34961
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.6





#10

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

Concen: 1.563 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

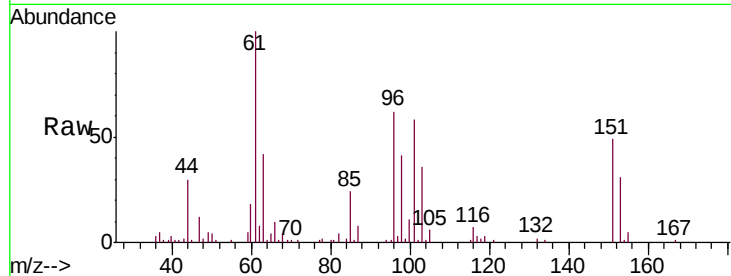
Tgt Ion: 101 Resp: 17159

Ion Ratio Lower Upper

101 100

85 42.8 35.9 53.9

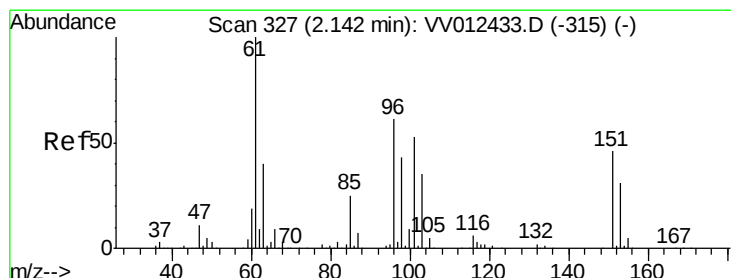
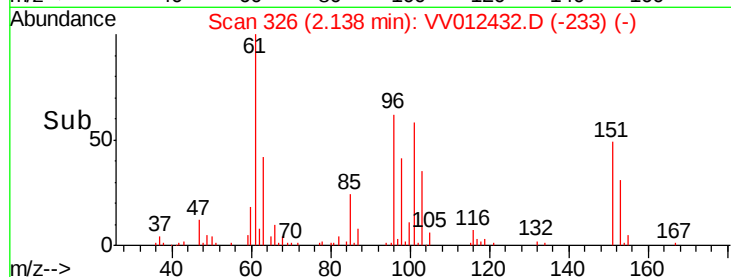
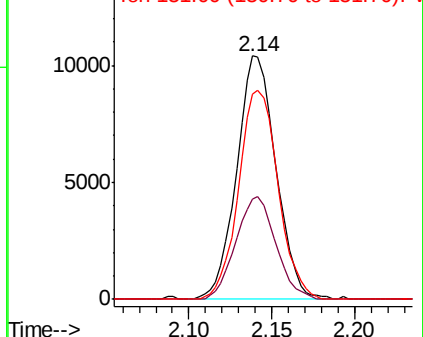
151 86.1 68.4 102.6



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: 1.663 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

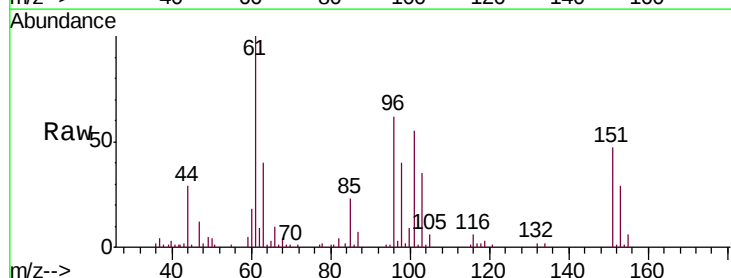
Tgt Ion: 96 Resp: 16784

Ion Ratio Lower Upper

96 100

61 161.2 114.0 211.6

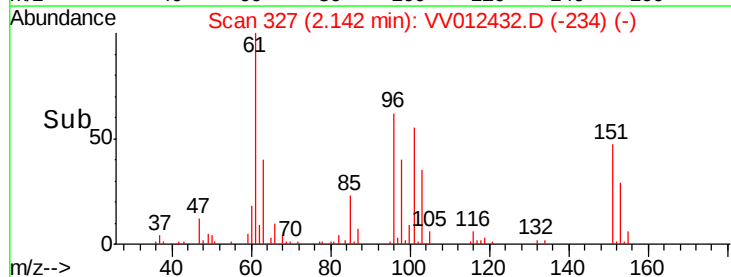
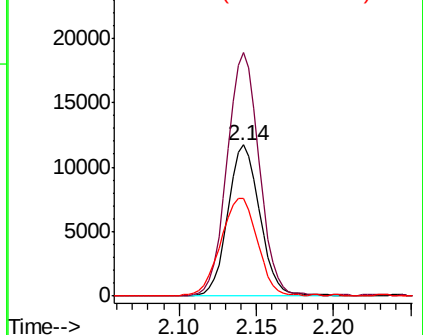
63 64.3 45.3 84.1

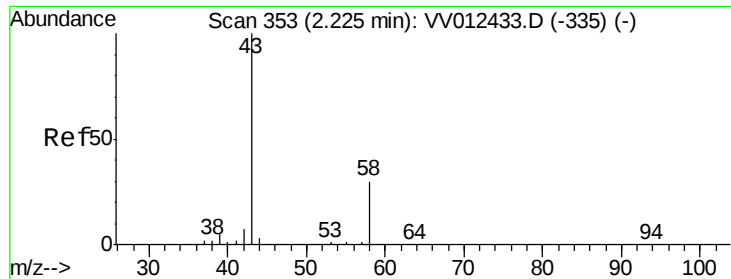


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.429 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

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ClientSampleId :

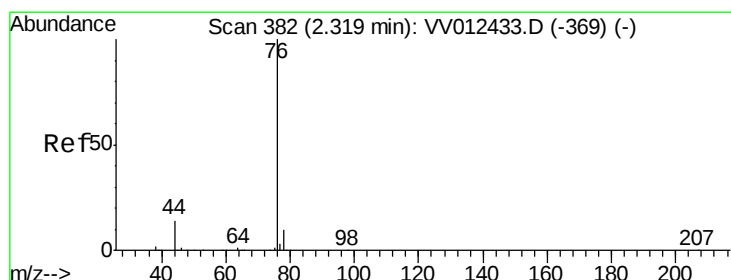
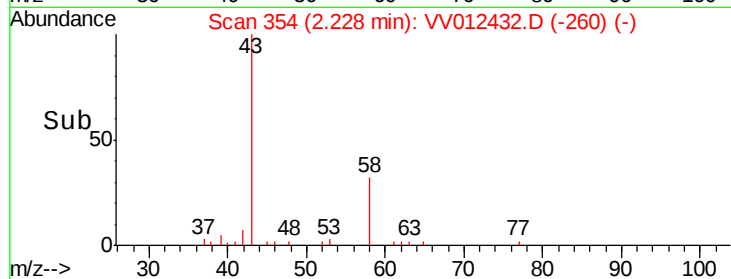
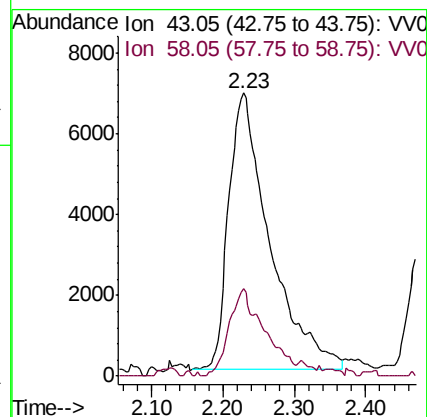
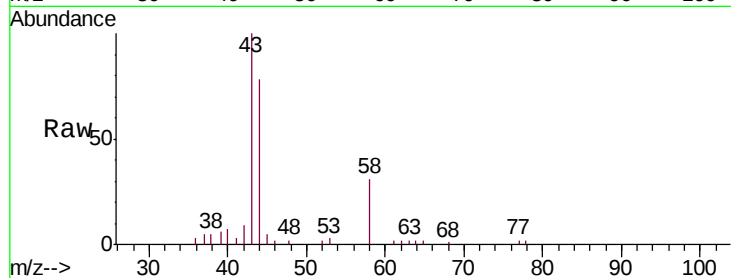
VSTD00135

Tgt Ion: 43 Resp: 27475

Ion Ratio Lower Upper

43 100

58 27.4 0.0 56.2



#14

Carbon disulfide

Concen: 1.541 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012432.D

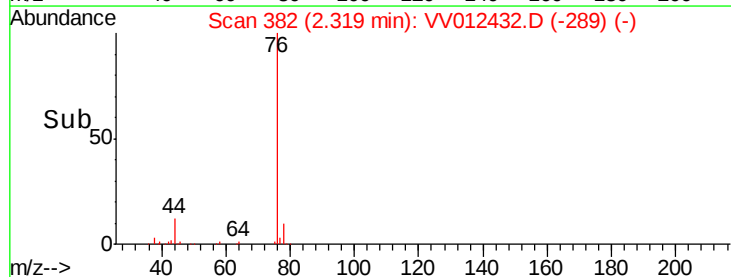
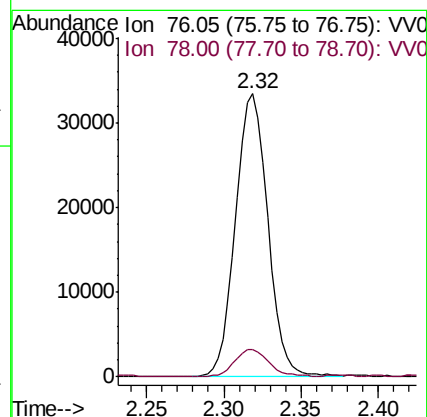
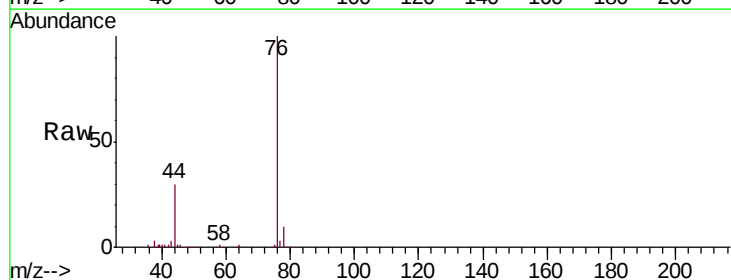
Acq: 28 Aug 2019 20:31

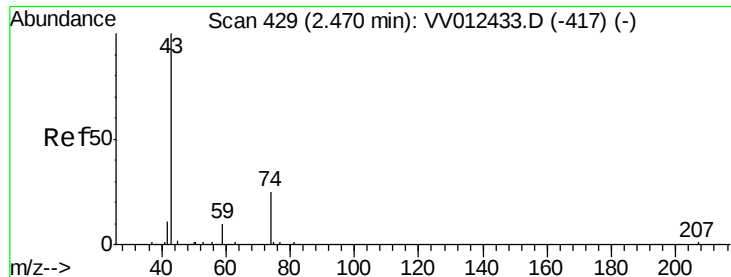
Tgt Ion: 76 Resp: 48608

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5





#15

Methyl Acetate

Concen: 1.819 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

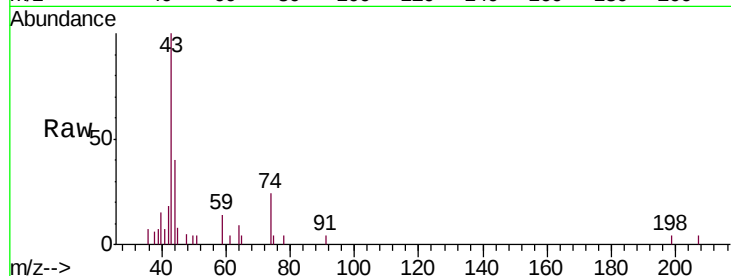
VSTD00135

Tgt Ion: 43 Resp: 6736

Ion Ratio Lower Upper

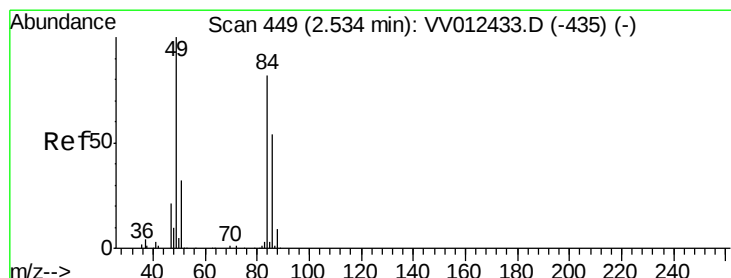
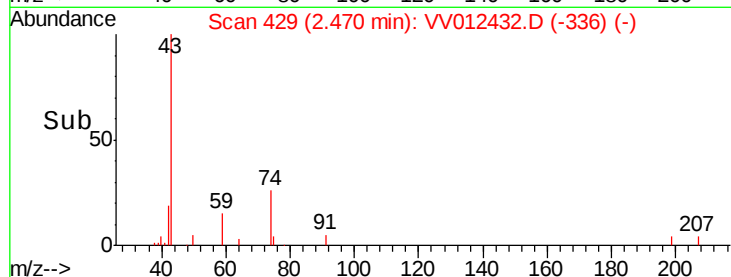
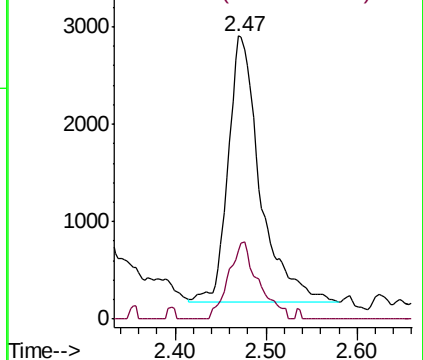
43 100

74 26.9 21.7 32.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.592 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

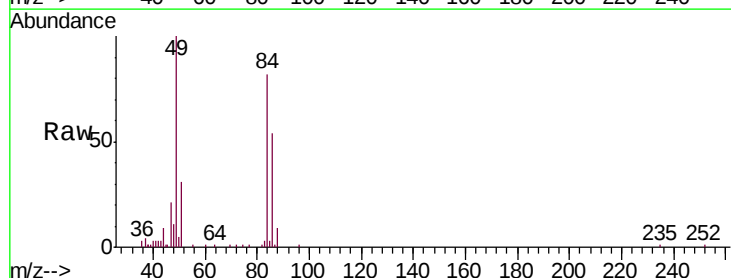
Tgt Ion: 84 Resp: 17694

Ion Ratio Lower Upper

84 100

86 65.1 45.8 85.0

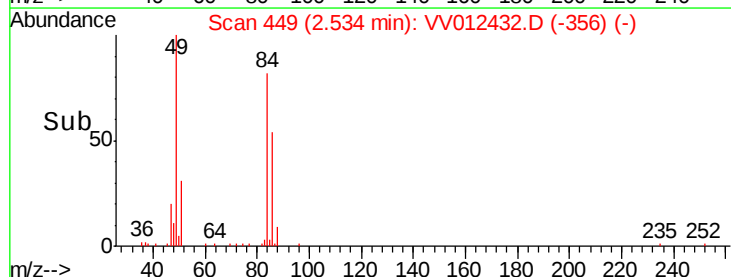
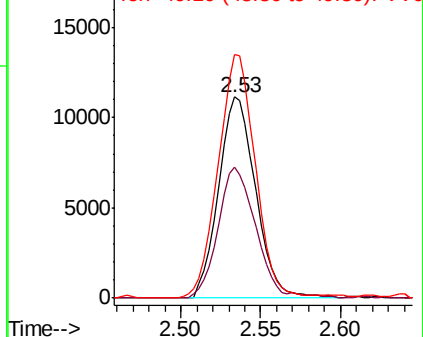
49 121.3 85.5 158.9

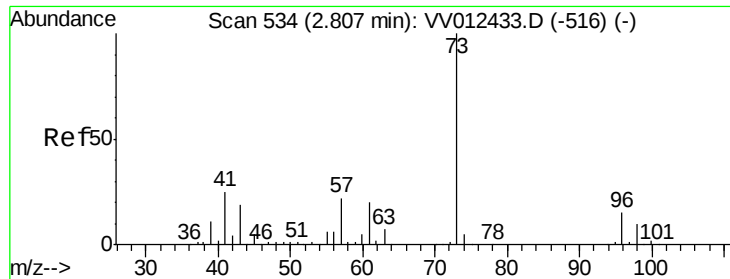


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

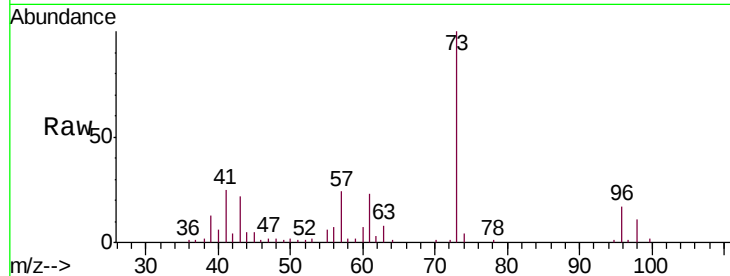




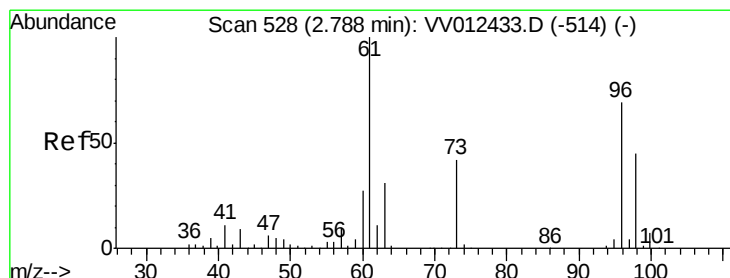
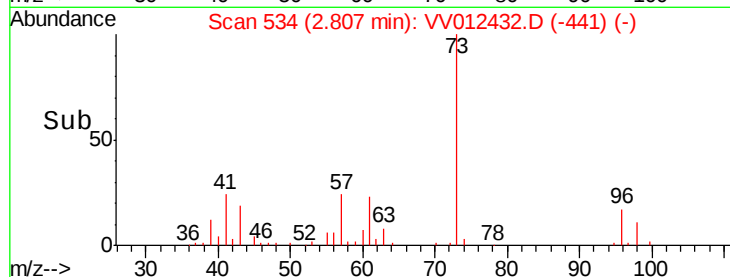
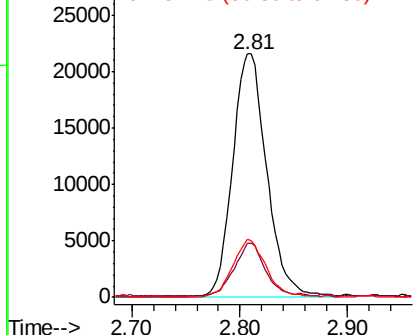
#17
Methyl tert-butyl Ether
Concen: 1.576 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 73 Resp: 47791
Ion Ratio Lower Upper
73 100
43 19.5 15.9 23.9
57 23.1 18.6 27.8

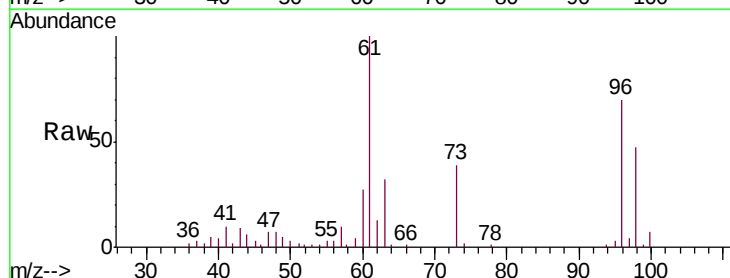


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

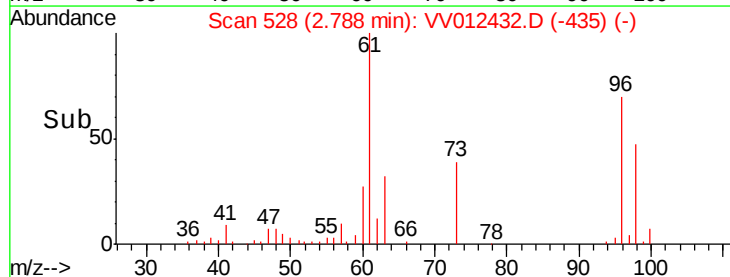
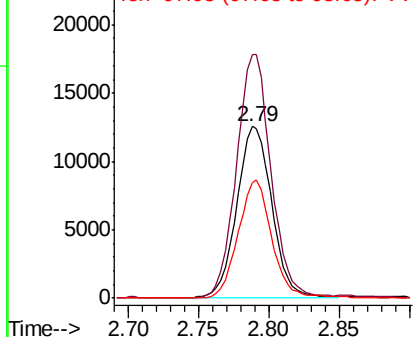


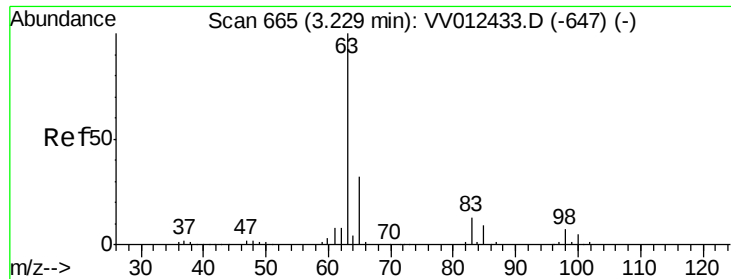
#18
trans-1,2-Dichloroethene
Concen: 1.493 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

Tgt Ion: 96 Resp: 21960
Ion Ratio Lower Upper
96 100
61 142.0 102.1 189.5
98 67.4 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

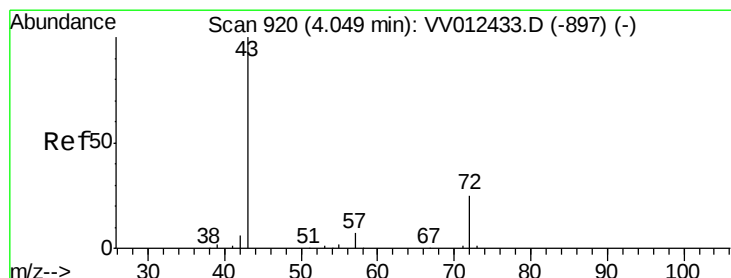
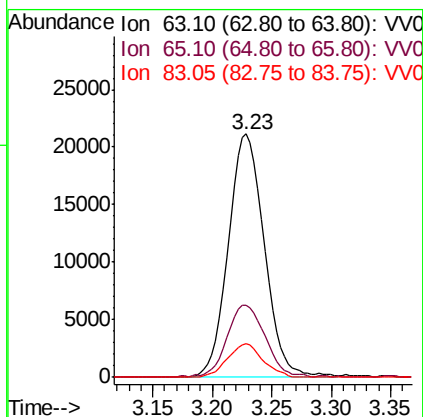
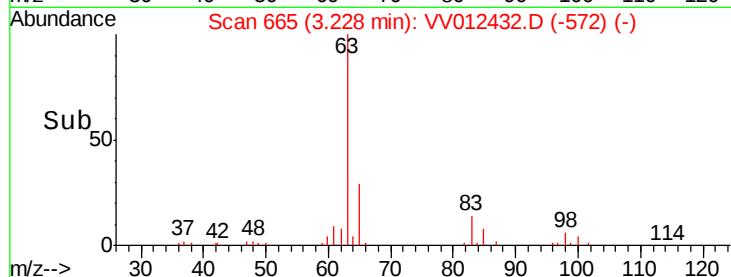
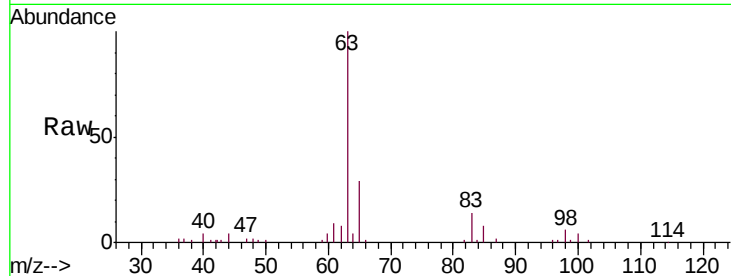




#19
 1,1-Dichloroethane
 Concen: 1.598 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

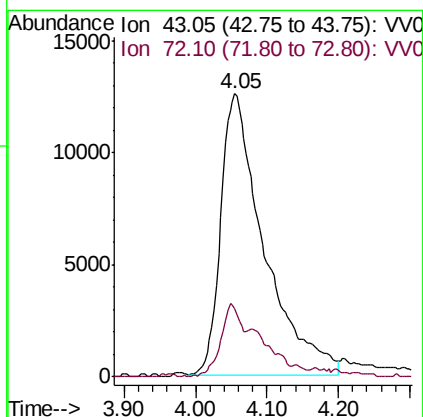
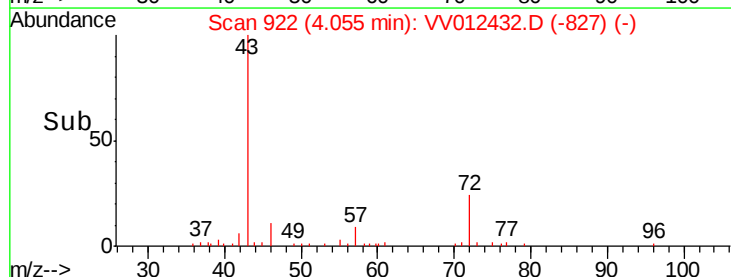
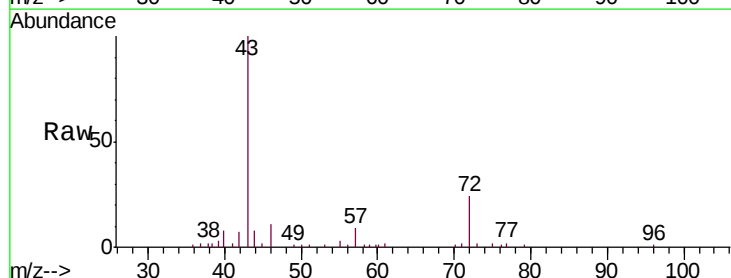
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00135

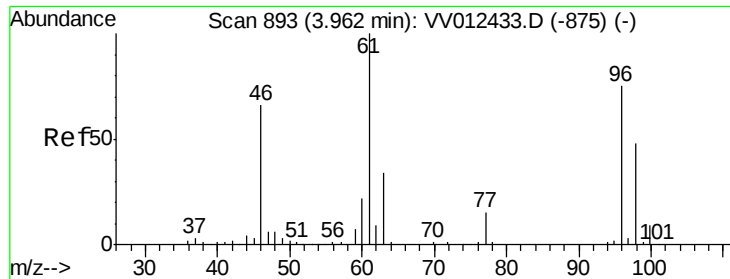
Tgt Ion: 63 Resp: 44453
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.2 41.2
 83 14.0 9.0 16.8



#21
 2-Butanone
 Concen: 15.170 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 43 Resp: 52484
 Ion Ratio Lower Upper
 43 100
 72 12.9 12.2 36.6



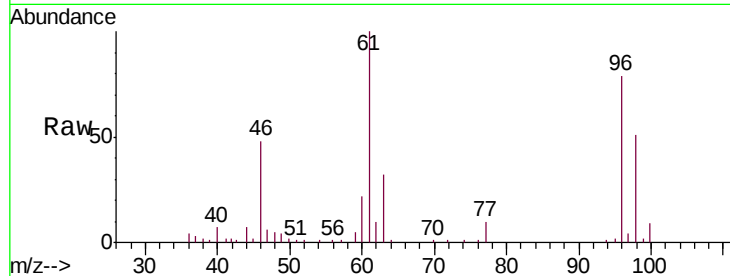


#22

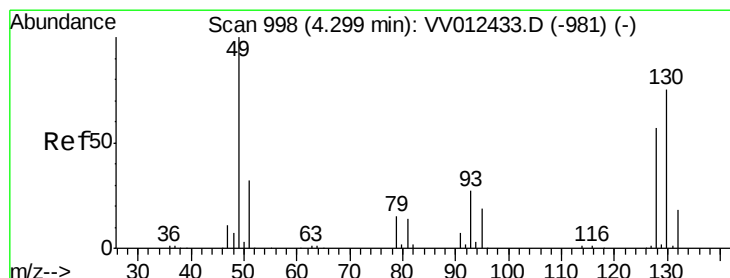
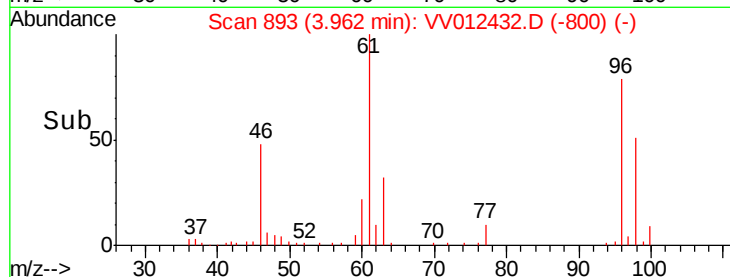
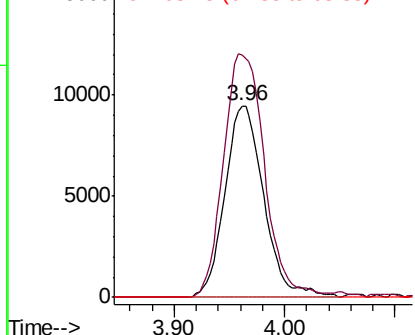
cis-1,2-Dichloroethene
 Concen: 1.443 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 96 Resp: 23145
 Ion Ratio Lower Upper
 96 100
 61 126.8 93.7 173.9
 68 0.0 0.0 0.0



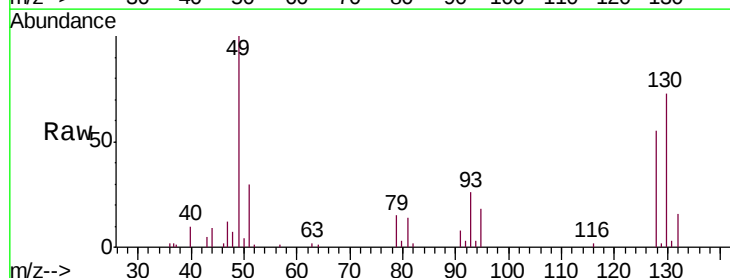
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



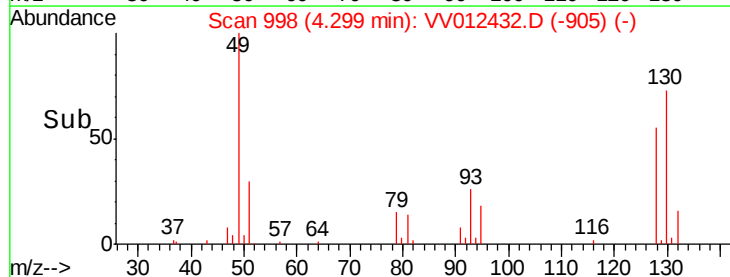
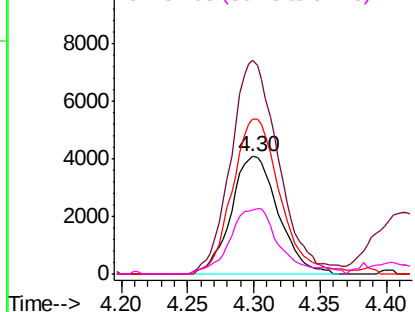
#23

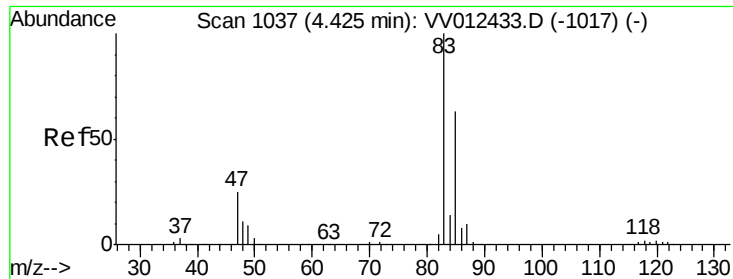
Bromochloromethane
 Concen: 1.491 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 128 Resp: 10094
 Ion Ratio Lower Upper
 128 100
 49 181.8 122.2 226.9
 130 131.9 90.9 168.7
 51 54.8 44.6 66.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

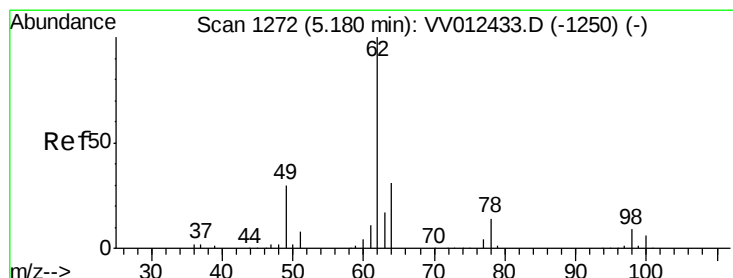
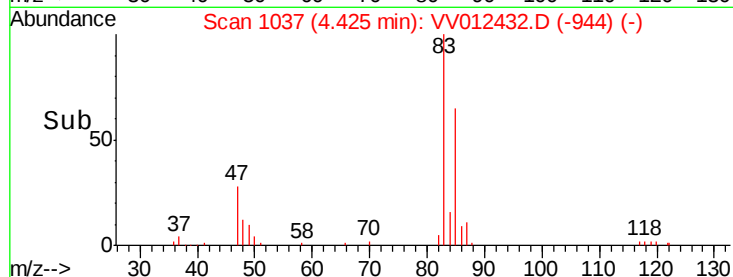
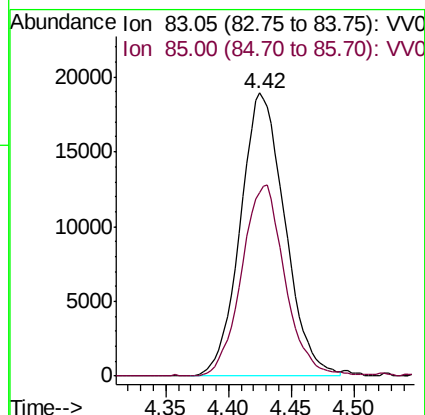
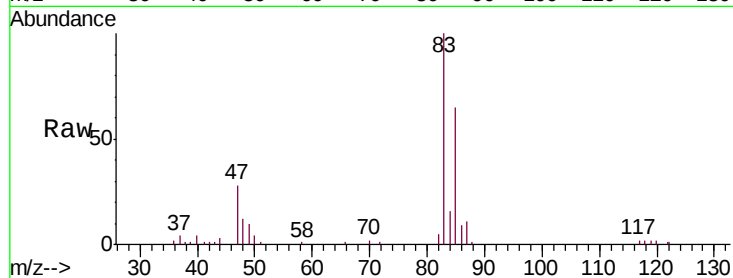




#25
Chloroform
Concen: 1.530 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

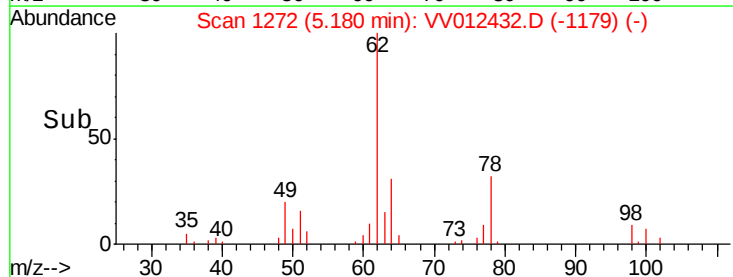
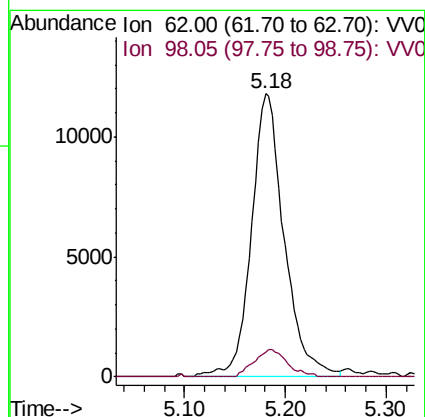
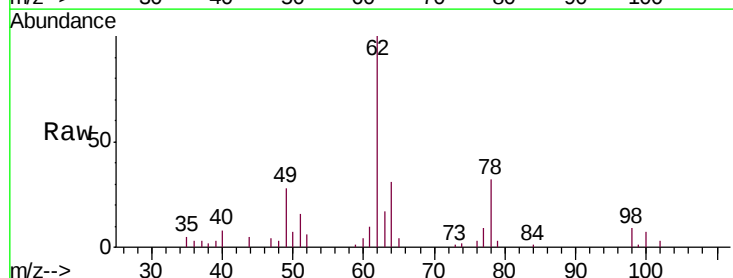
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

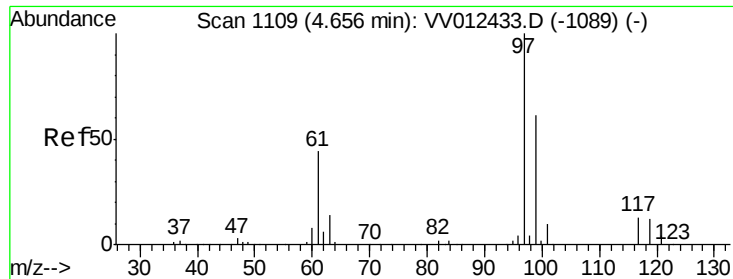
Tgt Ion: 83 Resp: 46760
Ion Ratio Lower Upper
83 100
85 65.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 1.614 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

Tgt Ion: 62 Resp: 26561
Ion Ratio Lower Upper
62 100
98 8.7 7.1 10.7

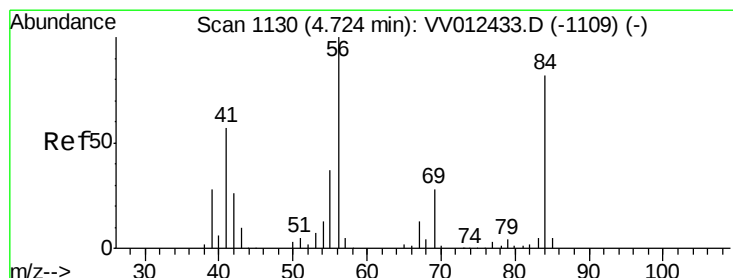
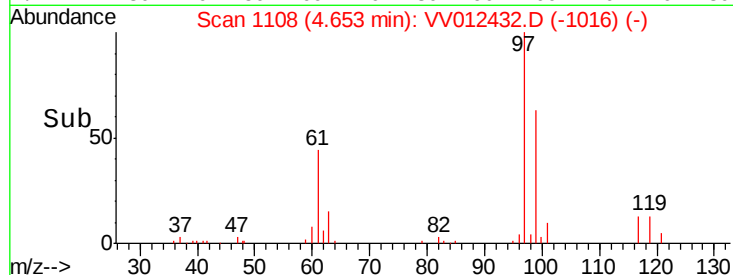
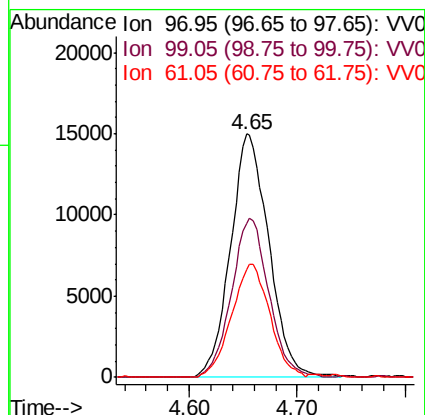
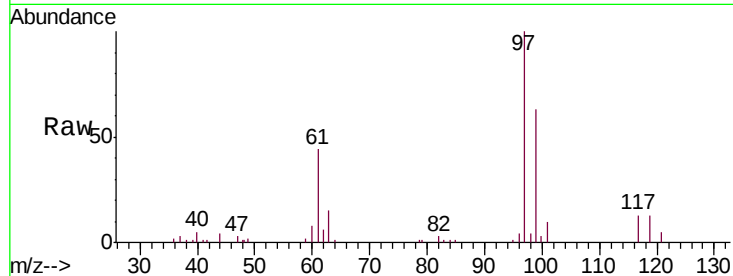




#29
 1,1,1-Trichloroethane
 Concen: 1.537 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

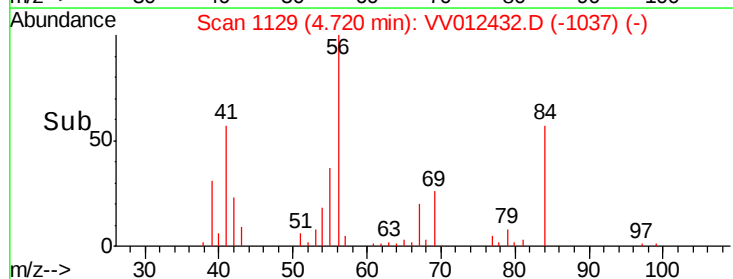
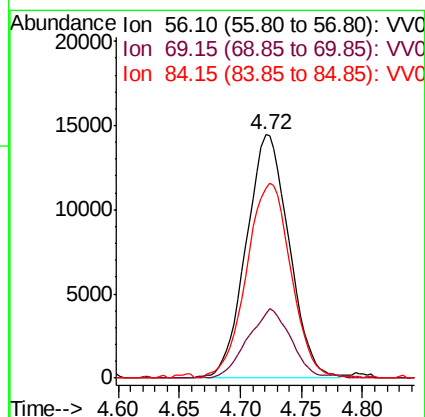
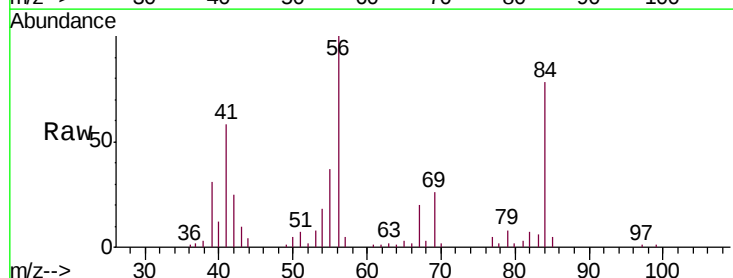
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

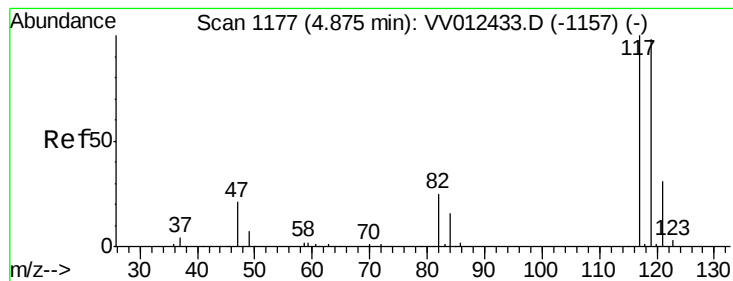
Tgt Ion: 97 Resp: 37107
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.5 75.7
 61 46.2 36.0 54.0



#30
 Cyclohexane
 Concen: 1.401 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 56 Resp: 35137
 Ion Ratio Lower Upper
 56 100
 69 28.5 23.0 34.4
 84 83.3 67.3 100.9





#31

Carbon tetrachloride

Concen: 1.537 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

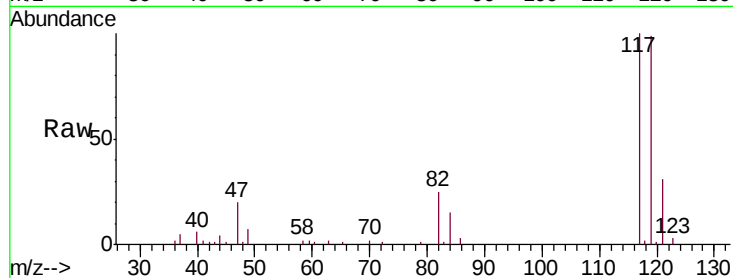
VSTD00135

Tgt Ion:117 Resp: 32807

Ion Ratio Lower Upper

117 100

119 95.3 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

15000

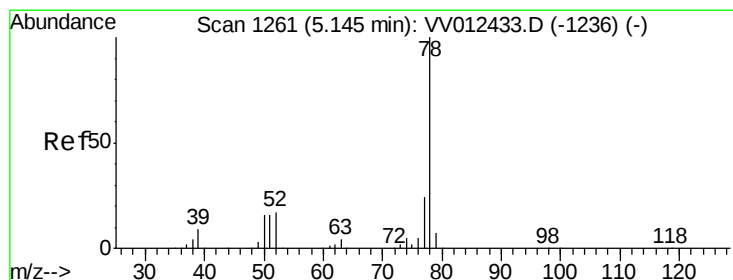
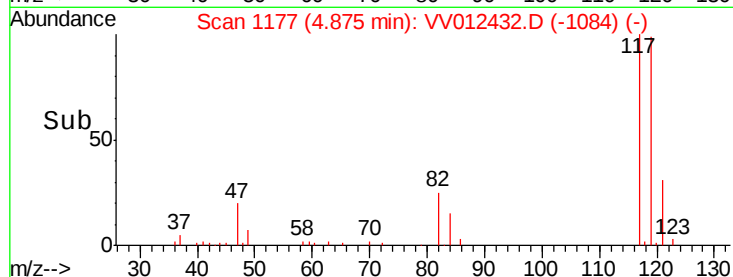
10000

5000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 1.486 ug/L

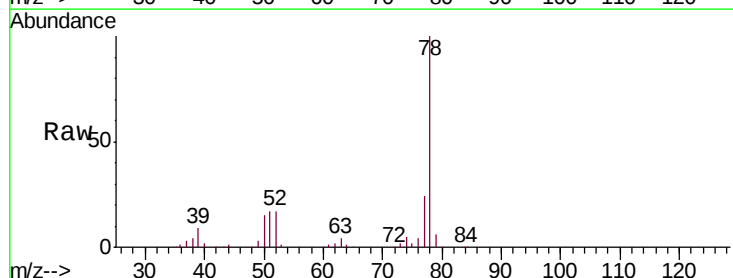
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Tgt Ion: 78 Resp: 91464



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

40000

30000

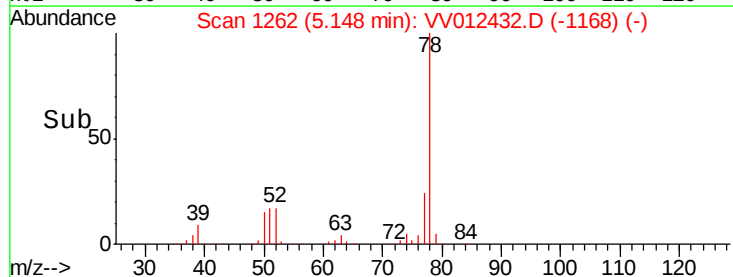
20000

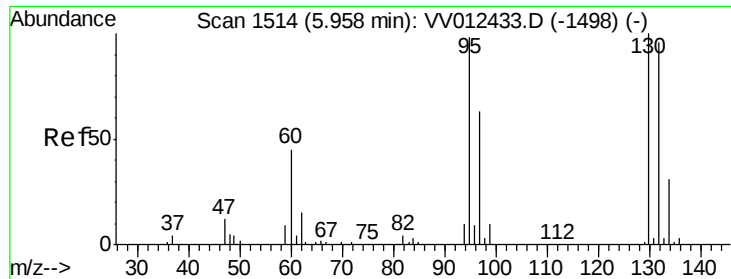
10000

0

Time-->

5.10 5.20

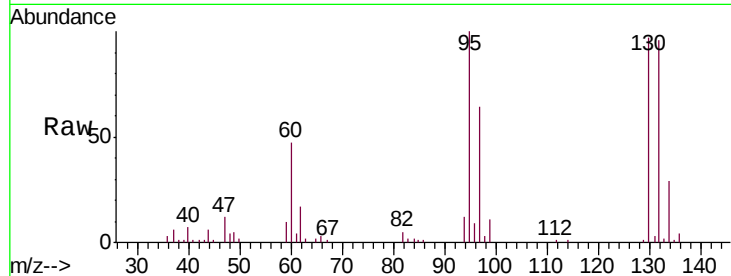




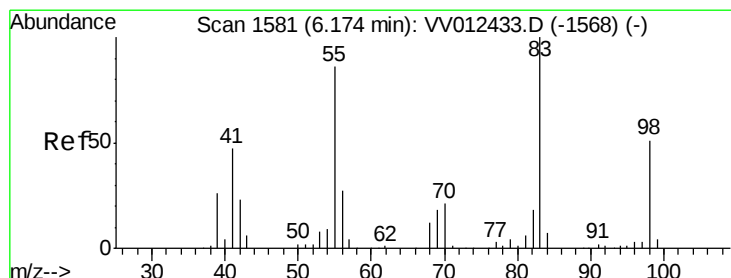
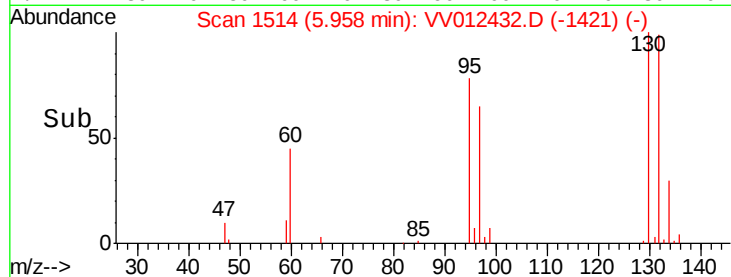
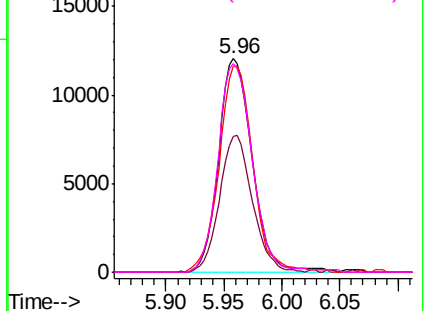
#34
 Trichloroethene
 Concen: 1.480 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 95 Resp: 24262
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.1 83.9
 132 96.4 68.4 127.0
 130 97.5 71.5 132.9

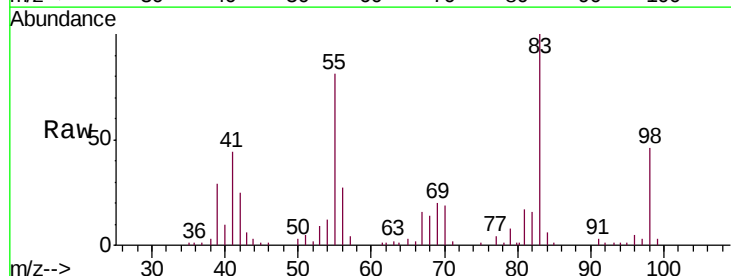


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

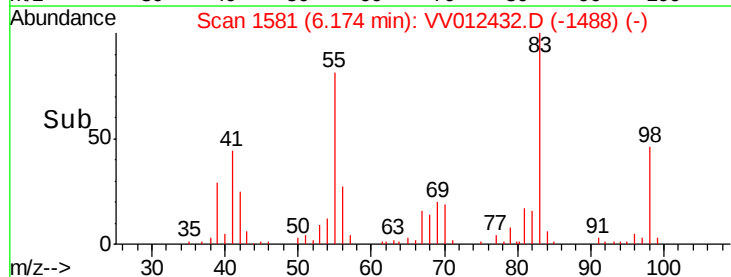
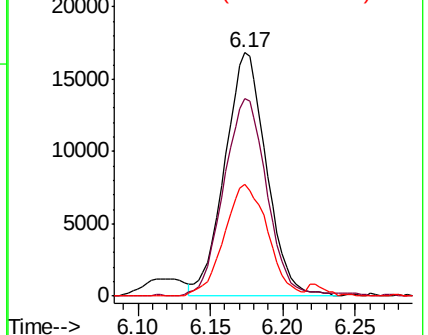


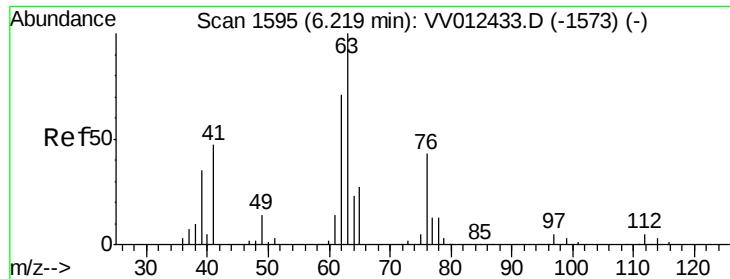
#35
 Methylcyclohexane
 Concen: 1.287 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 83 Resp: 33482
 Ion Ratio Lower Upper
 83 100
 55 84.7 66.0 99.0
 98 47.8 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

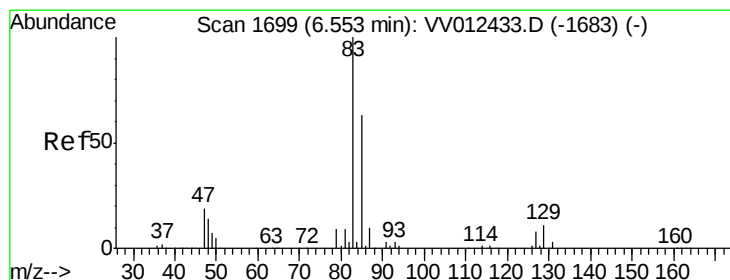
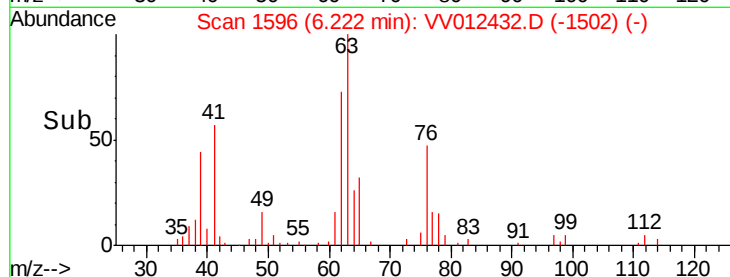
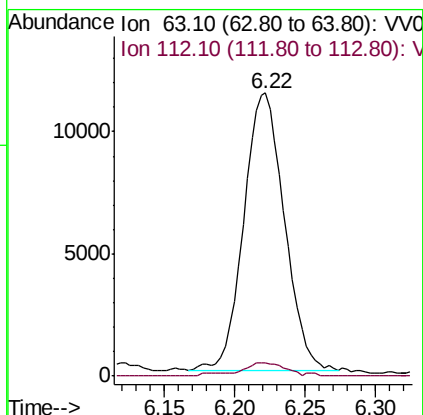
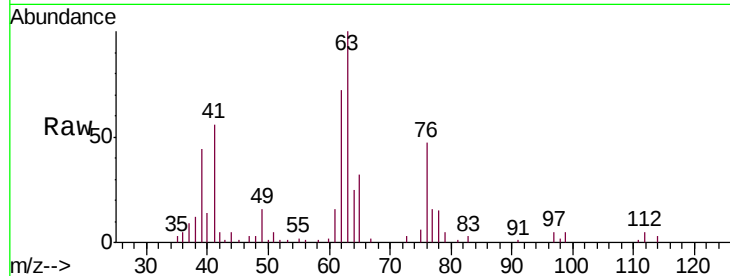




#37
 1,2-Dichloropropane
 Concen: 1.453 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

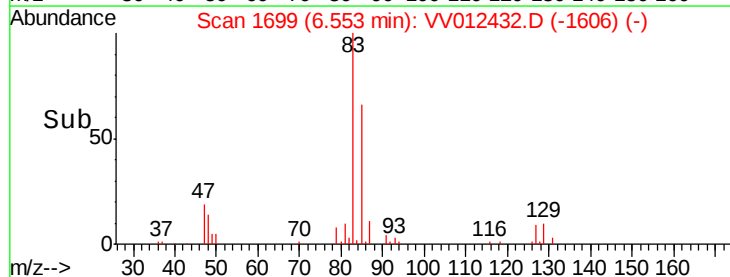
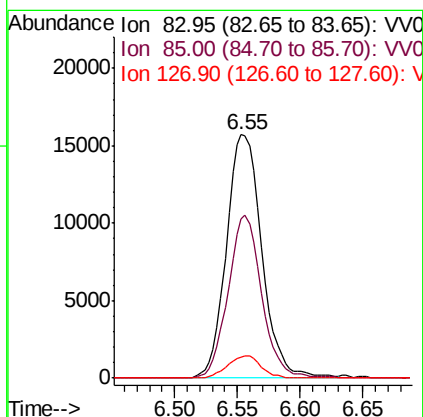
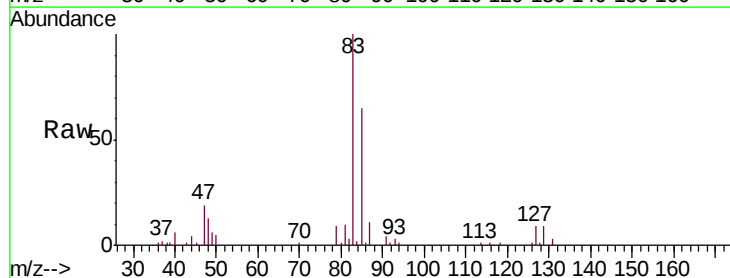
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

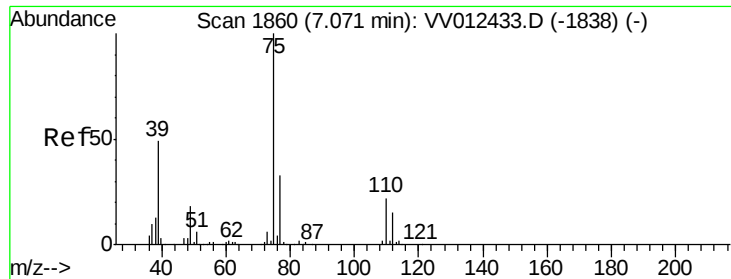
Tgt Ion: 63 Resp: 22782
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 1.591 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 83 Resp: 30873
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.1 81.9
 127 8.7 6.7 10.1

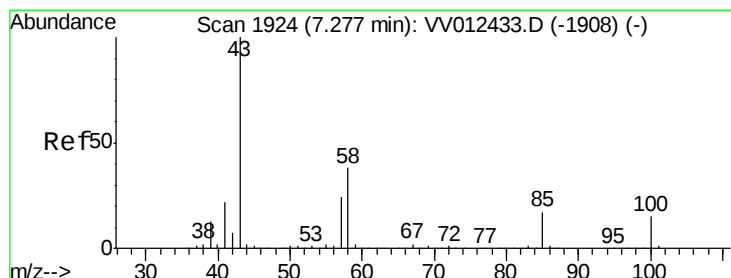
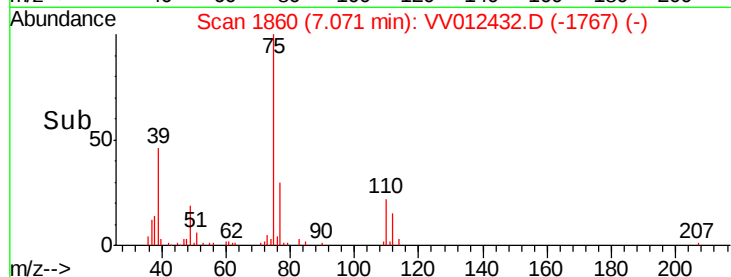
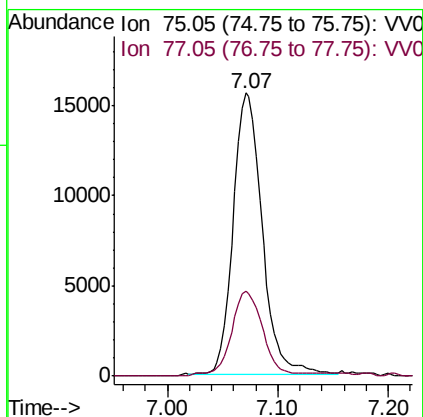
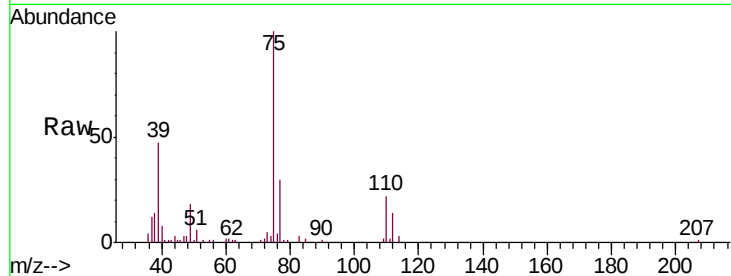




#39
 cis-1,3-Dichloropropene
 Concen: 1.341 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

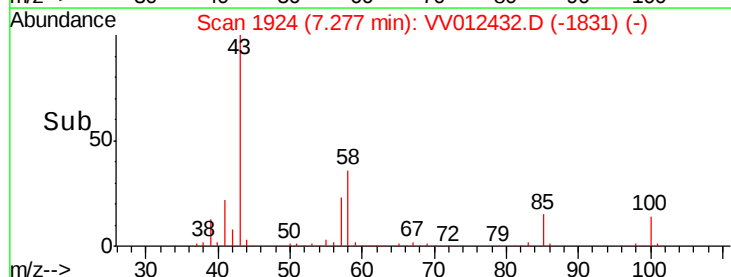
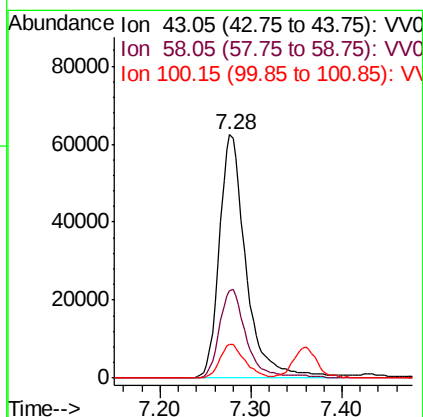
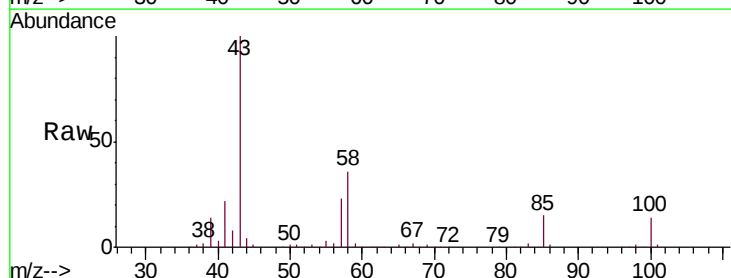
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

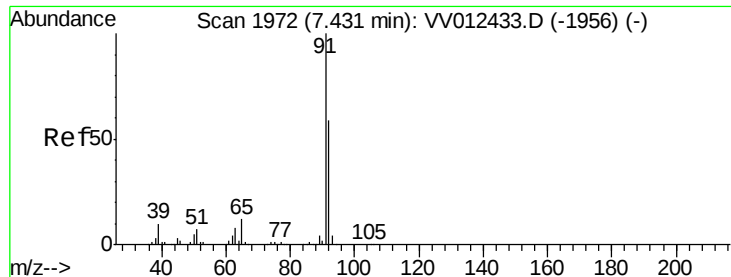
Tgt Ion: 75 Resp: 28353
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 14.815 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 43 Resp: 127655
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.8 46.2
 100 13.1 11.4 17.0





#42

Toluene

Concen: 1.437 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

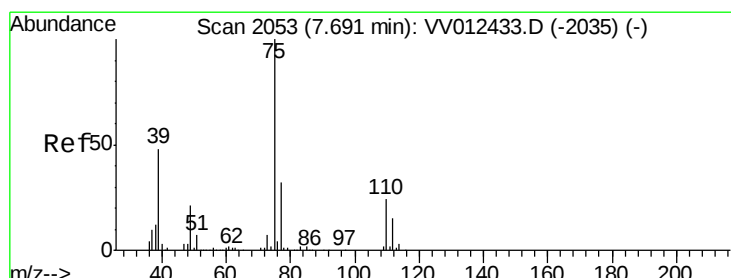
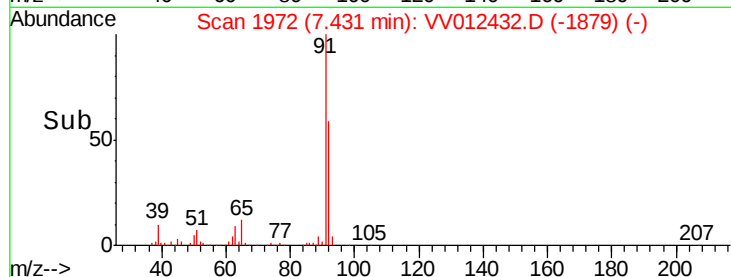
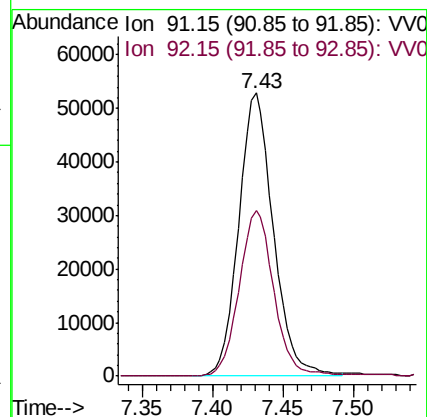
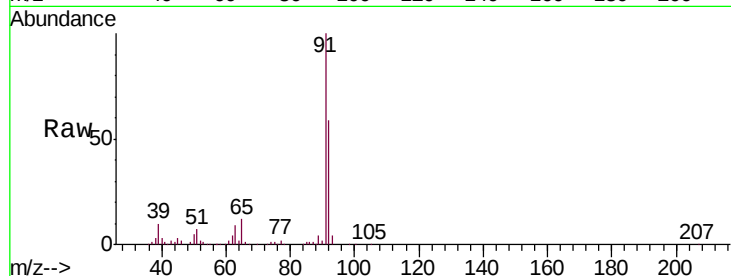
VSTD00135

Tgt Ion: 91 Resp: 90923

Ion Ratio Lower Upper

91 100

92 58.5 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 1.439 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012432.D

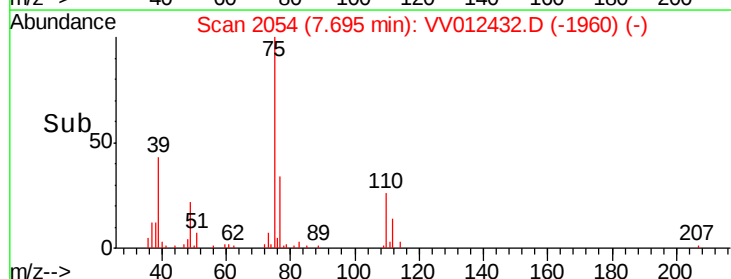
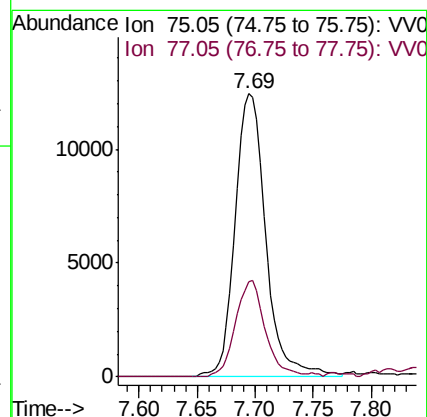
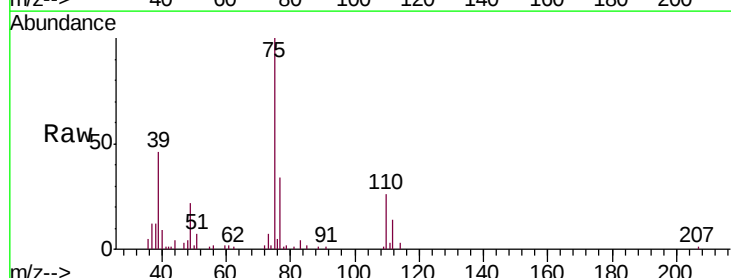
Acq: 28 Aug 2019 20:31

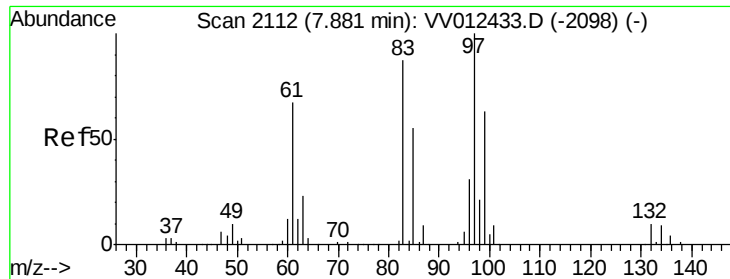
Tgt Ion: 75 Resp: 22774

Ion Ratio Lower Upper

75 100

77 33.7 22.2 41.2

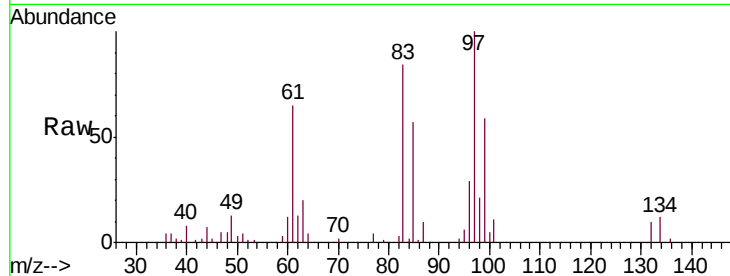




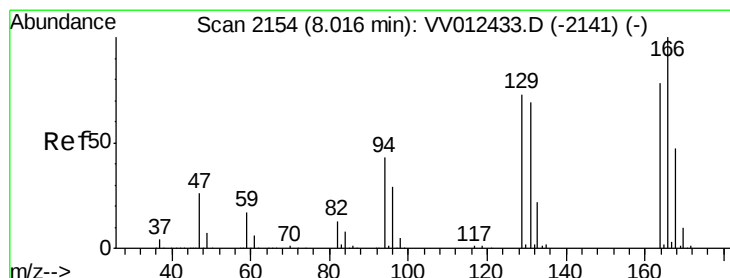
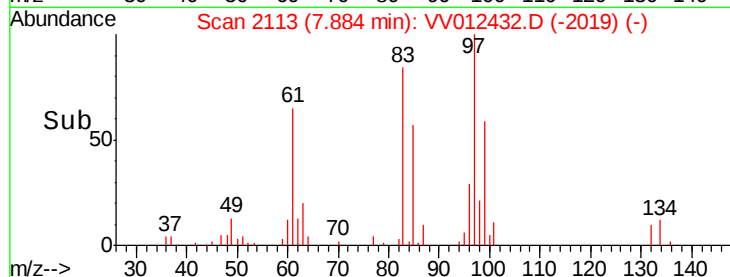
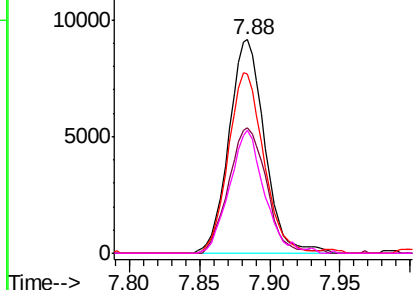
#45
 1,1,2-Trichloroethane
 Concen: 1.598 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:	97	Resp:	16244
Ion	Ratio	Lower	Upper
97	100		
99	58.9	44.2	82.2
83	83.8	60.6	112.6
85	57.3	38.8	72.0

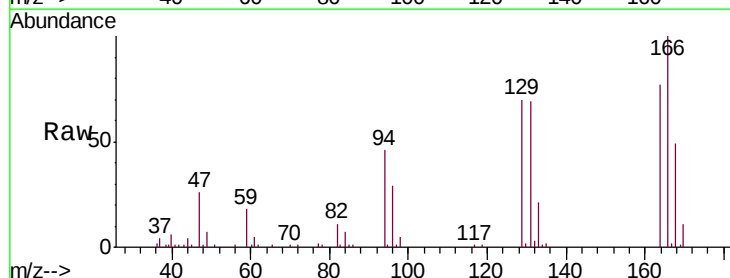


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

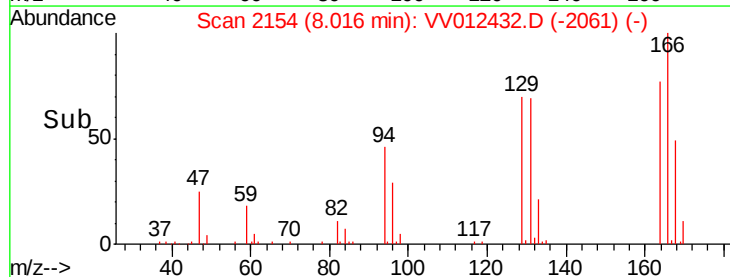
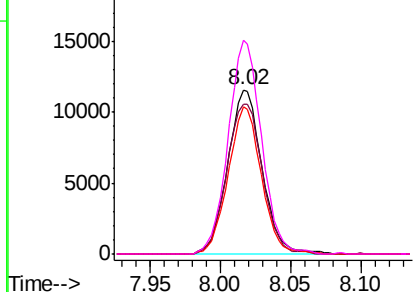


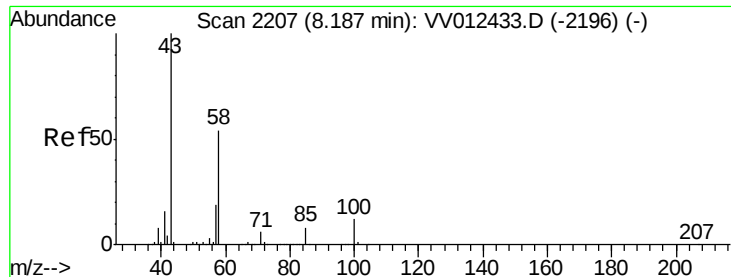
#47
 Tetrachloroethene
 Concen: 1.483 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion:	164	Resp:	19707
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.4	121.4
131	89.5	62.6	116.3
166	130.3	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

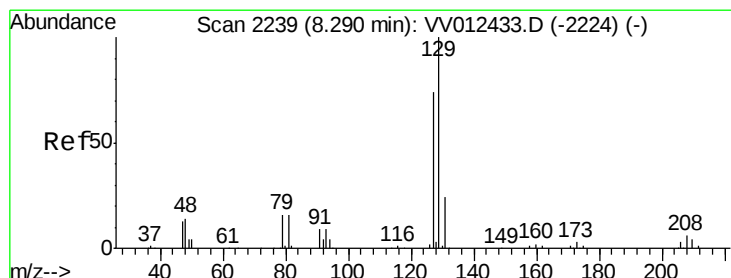
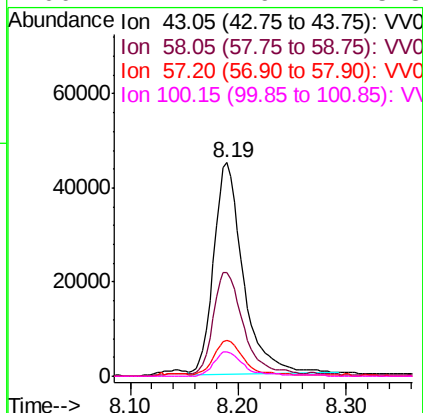
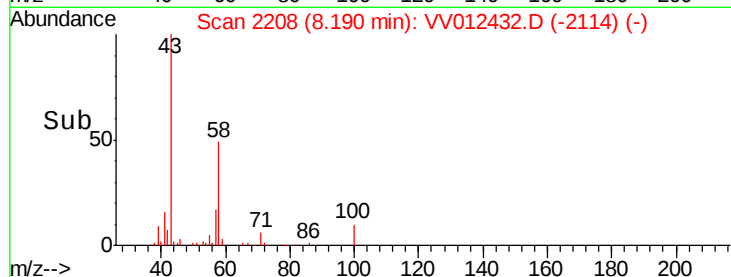
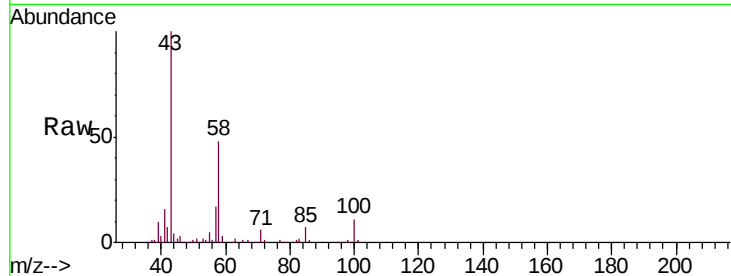




#48
2-Hexanone
Concen: 13.894 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

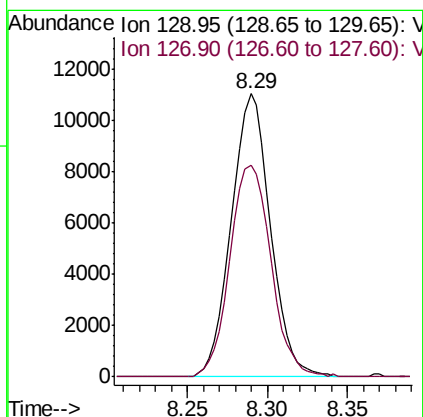
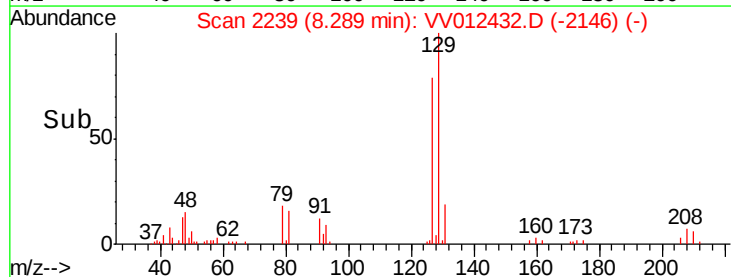
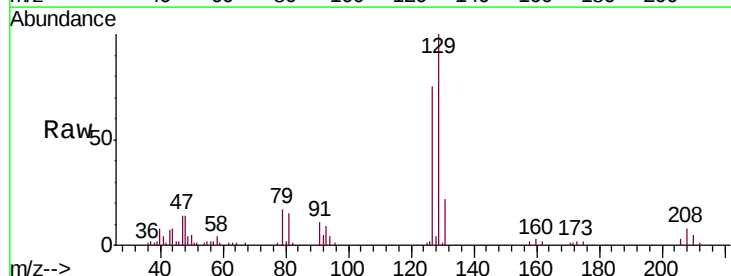
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

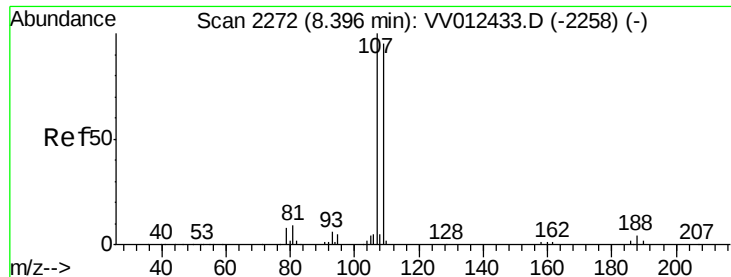
Tgt Ion: 43 Resp: 85682
Ion Ratio Lower Upper
43 100
58 52.6 42.7 64.1
57 16.1 14.7 22.1
100 11.1 9.2 13.8



#49
Dibromochloromethane
Concen: 1.503 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

Tgt Ion: 129 Resp: 18373
Ion Ratio Lower Upper
129 100
127 75.0 52.1 96.9

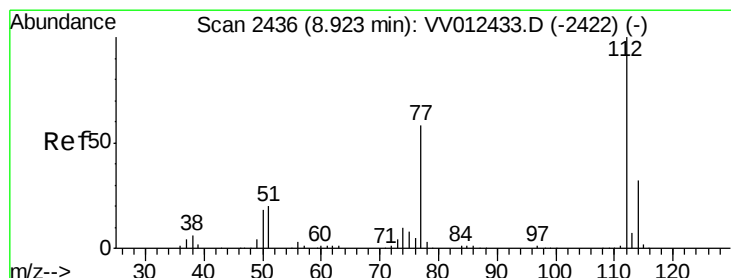
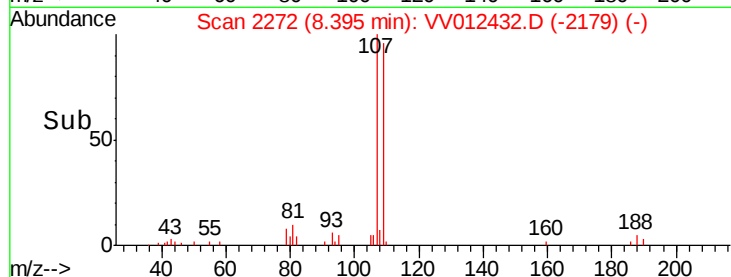
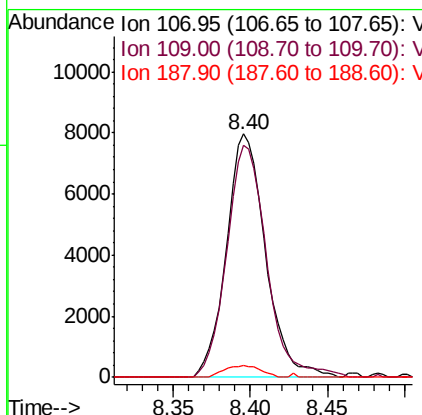
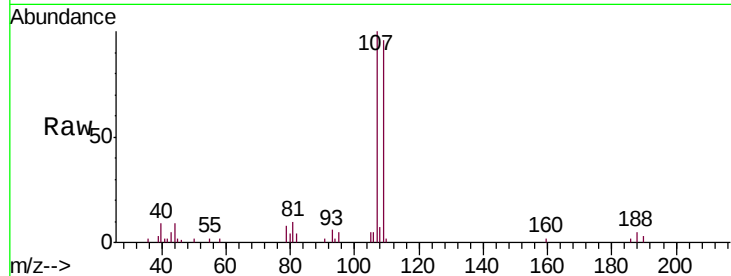




#50
1,2-Dibromoethane
Concen: 1.476 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

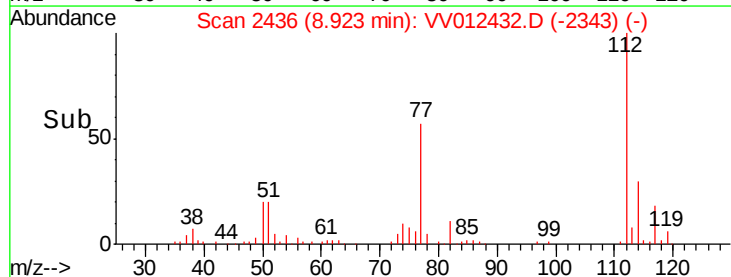
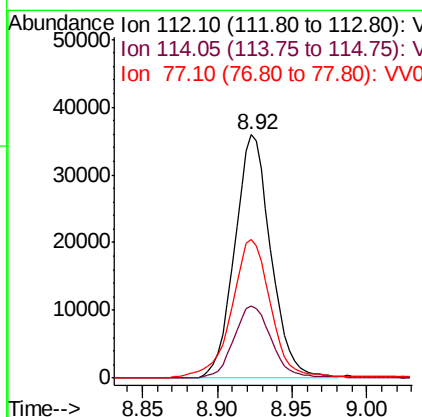
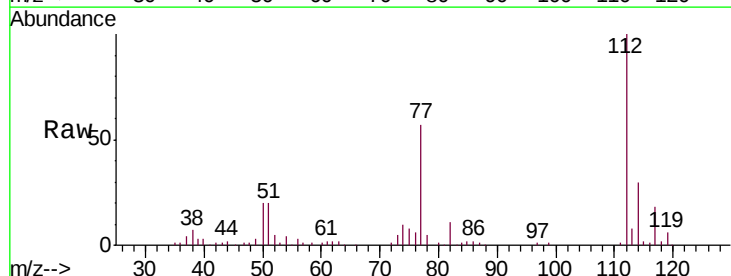
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

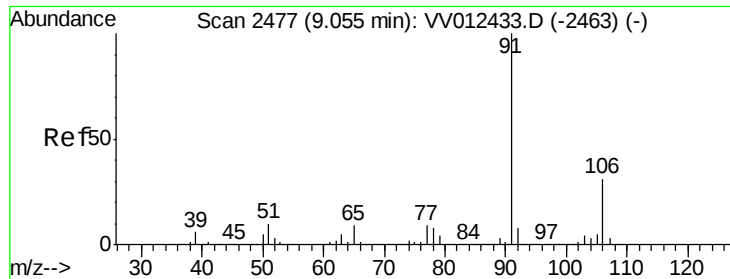
Tgt Ion:107 Resp: 13998
Ion Ratio Lower Upper
107 100
109 95.6 66.6 123.6
188 4.7 3.1 4.7#



#51
Chlorobenzene
Concen: 1.473 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012432.D
Acq: 28 Aug 2019 20:31

Tgt Ion:112 Resp: 60511
Ion Ratio Lower Upper
112 100
114 29.6 22.2 41.2
77 57.1 46.9 70.3





#52

Ethylbenzene

Concen: 1.376 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

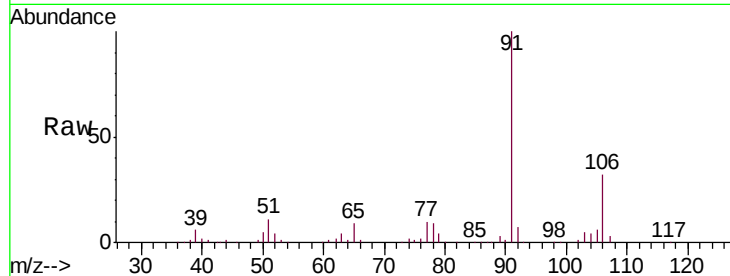
VSTD00135

Tgt Ion: 91 Resp: 94014

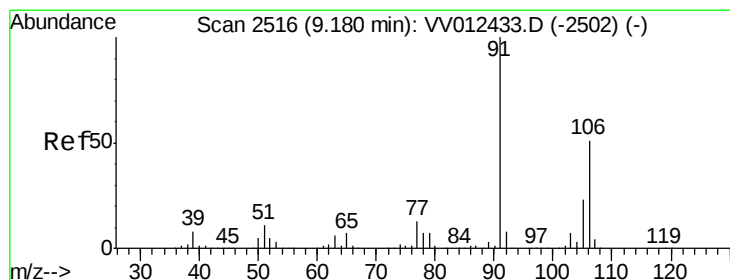
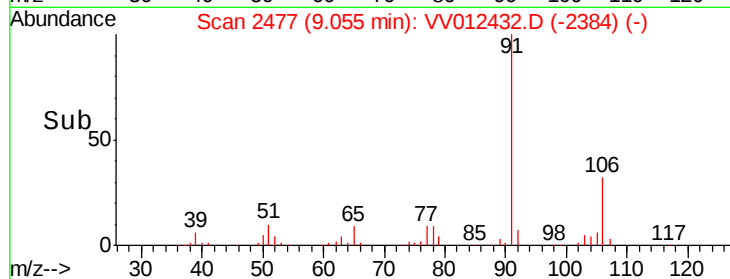
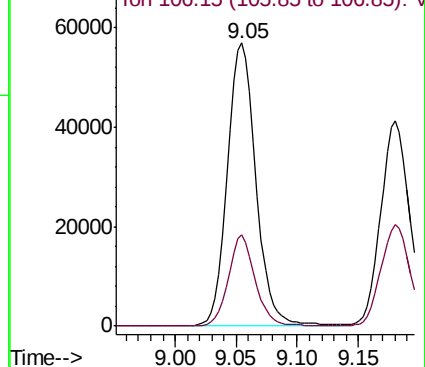
Ion Ratio Lower Upper

91 100

106 32.2 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012433.D (-2463) (-)



#53

m,p-xylene

Concen: 1.337 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012432.D

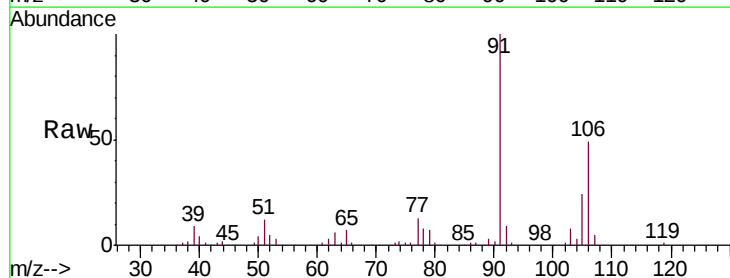
Acq: 28 Aug 2019 20:31

Tgt Ion: 106 Resp: 34470

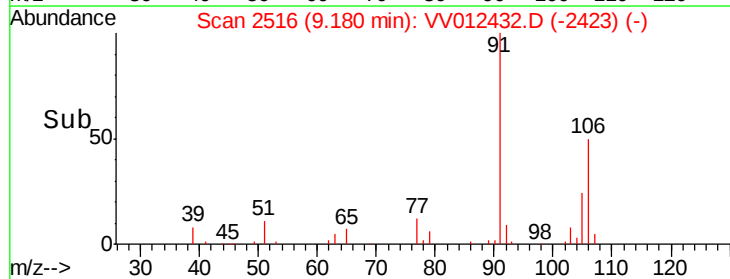
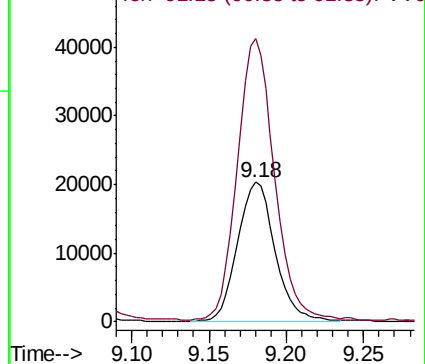
Ion Ratio Lower Upper

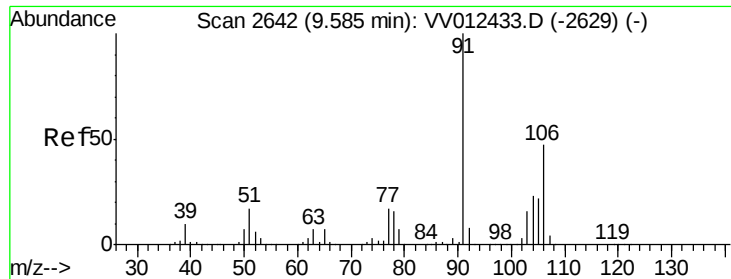
106 100

91 202.7 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VV012433.D (-2502) (-)





#54

o-xylene

Concen: 1.346 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

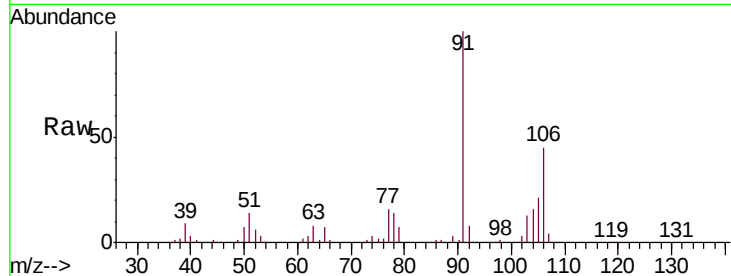
VSTD00135

Tgt Ion:106 Resp: 33030

Ion Ratio Lower Upper

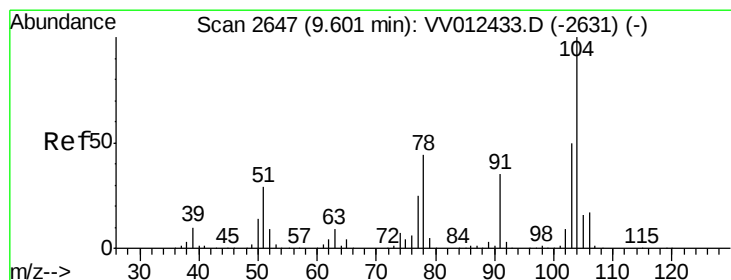
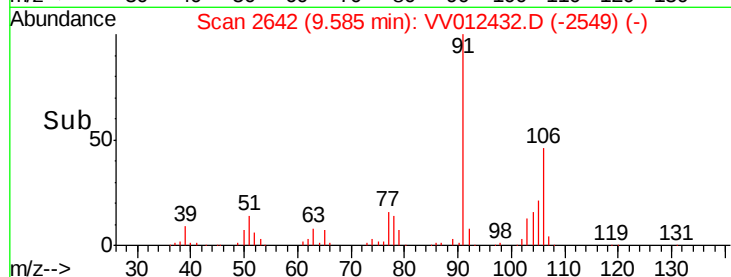
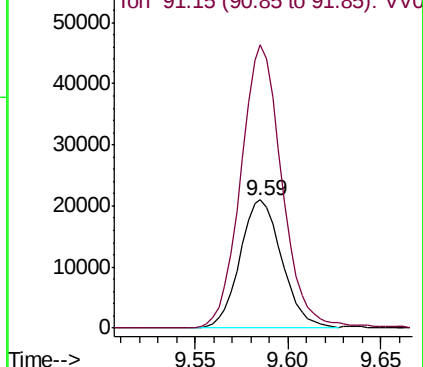
106 100

91 220.7 148.3 275.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.333 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012432.D

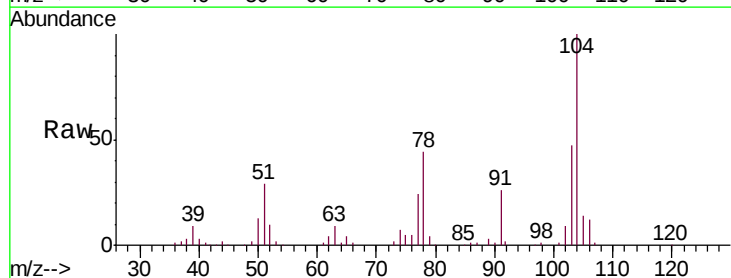
Acq: 28 Aug 2019 20:31

Tgt Ion:104 Resp: 54908

Ion Ratio Lower Upper

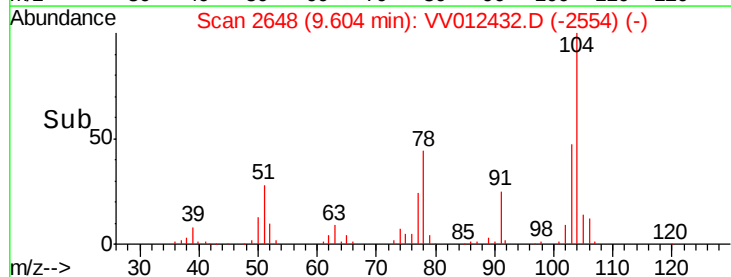
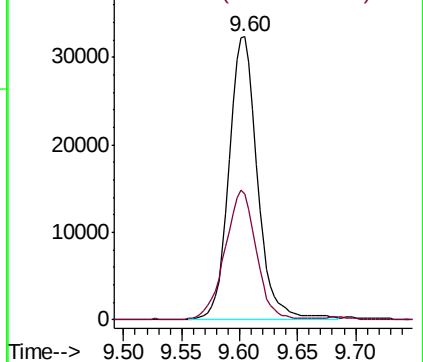
104 100

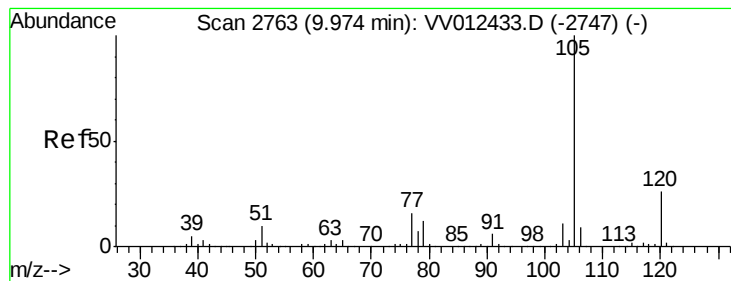
78 44.4 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 1.349 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

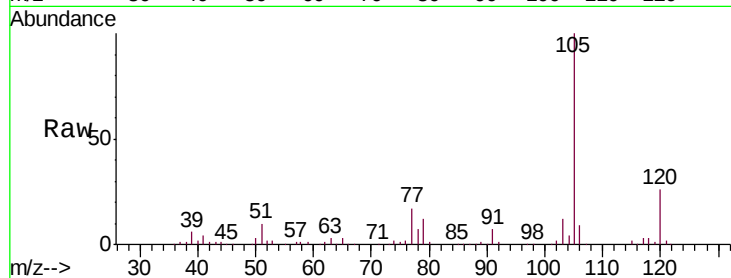
Tgt Ion: 105 Resp: 88055

Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.6

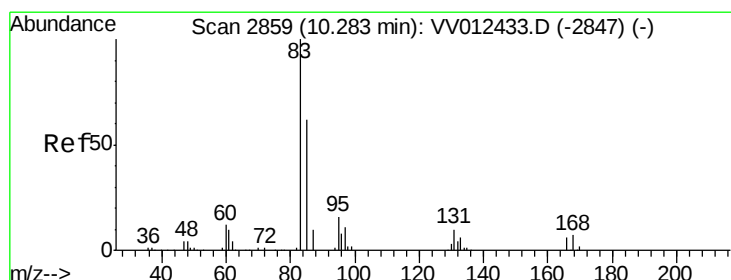
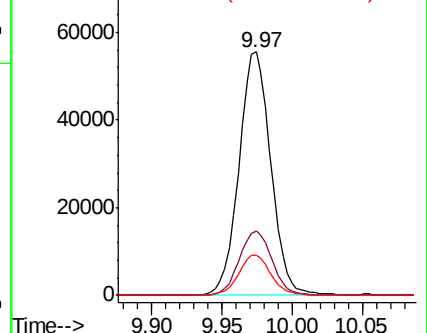
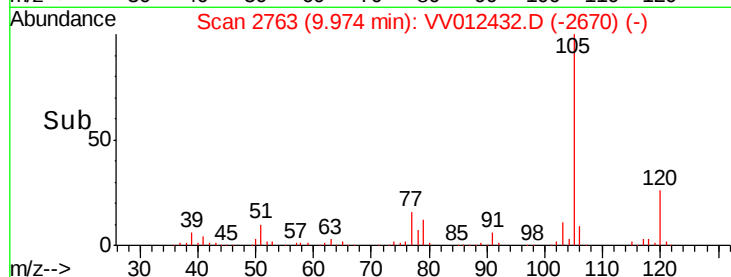
77 16.9 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.694 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

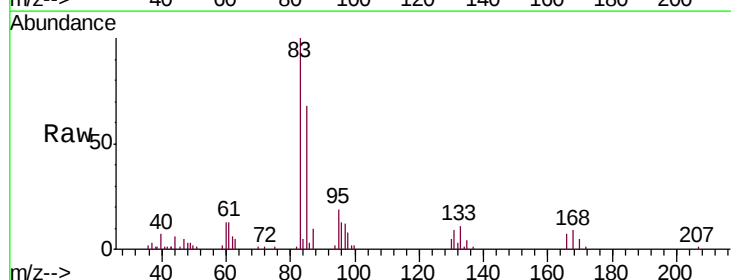
Tgt Ion: 83 Resp: 19188

Ion Ratio Lower Upper

83 100

85 67.5 44.0 81.6

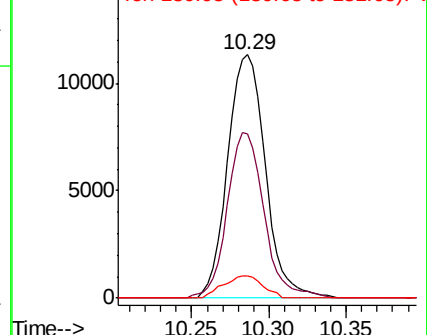
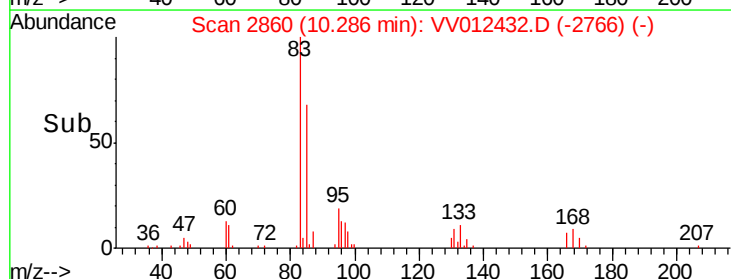
131 8.9 8.1 12.1

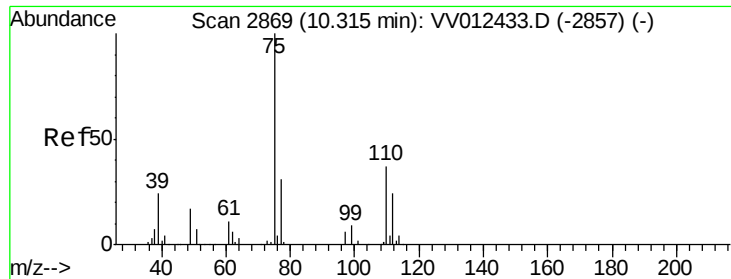


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

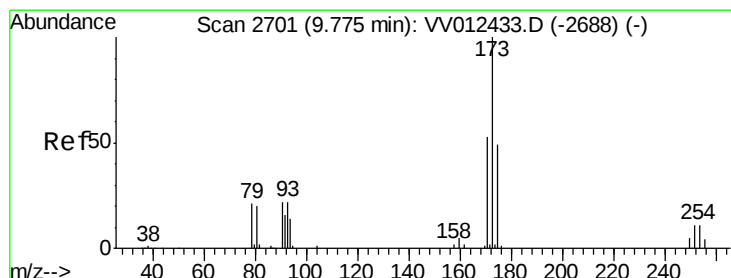
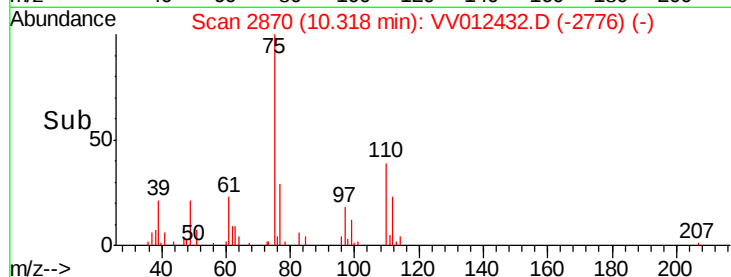
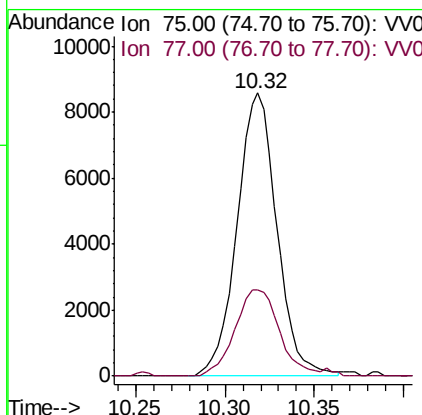
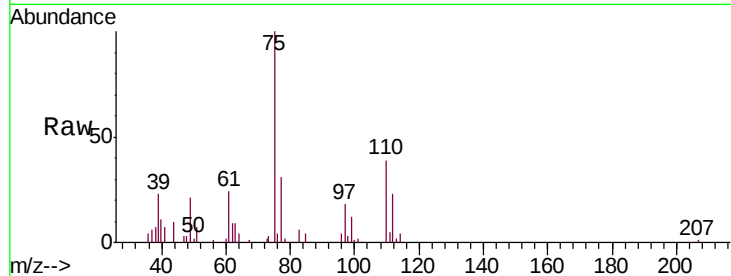




#59
 1,2,3-Trichloropropane
 Concen: 1.541 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

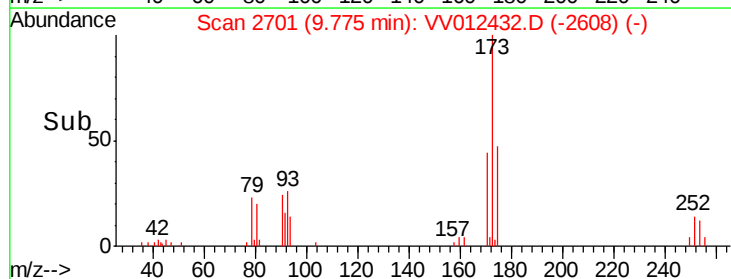
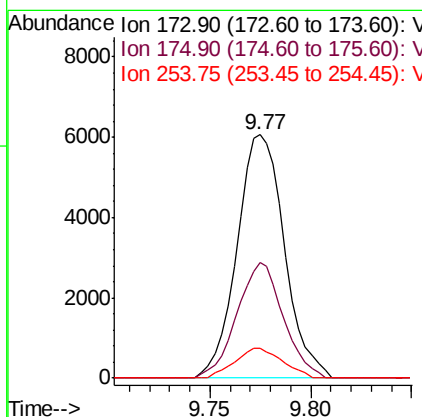
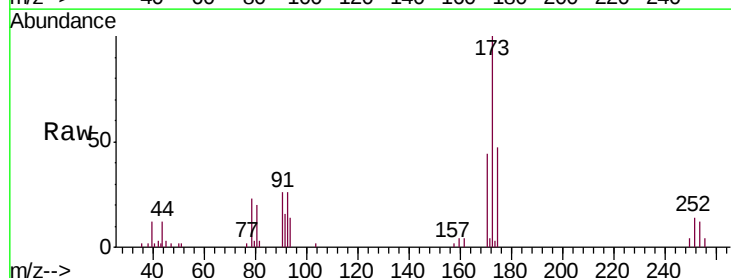
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

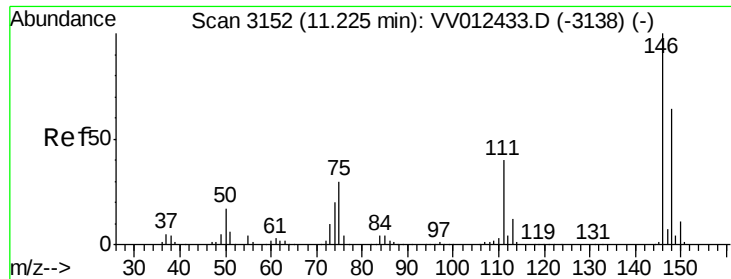
Tgt Ion: 75 Resp: 13405
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.8 37.2



#61
 Bromoform
 Concen: 1.587 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion: 173 Resp: 9963
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.7 58.1
 254 12.3 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 1.485 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

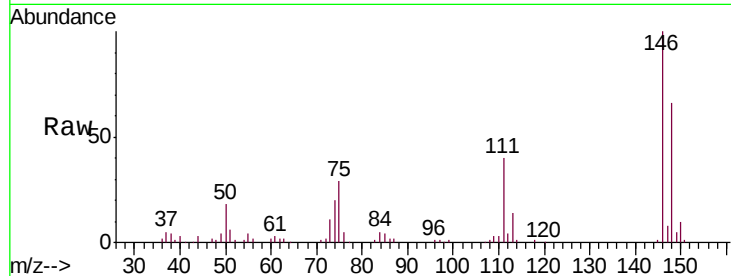
Tgt Ion:146 Resp: 43609

Ion Ratio Lower Upper

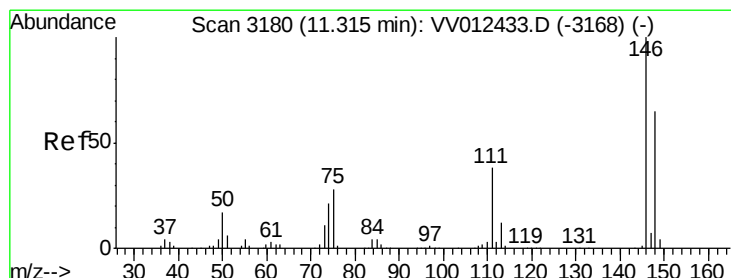
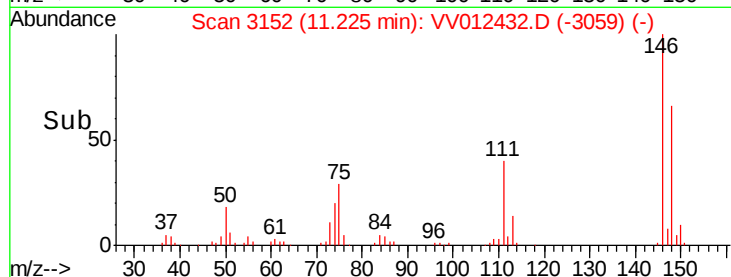
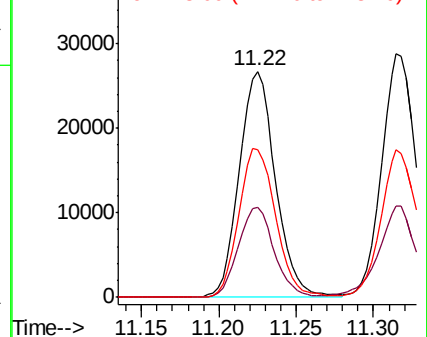
146 100

111 40.0 27.9 51.7

148 65.5 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.548 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

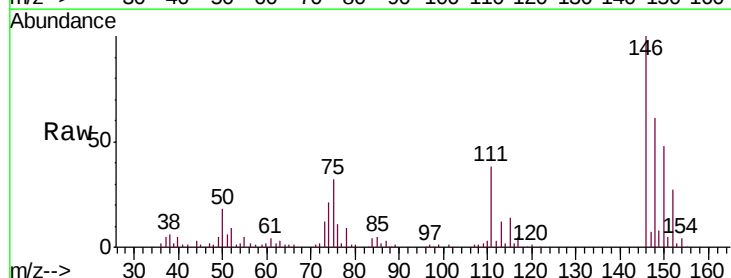
Tgt Ion:146 Resp: 45475

Ion Ratio Lower Upper

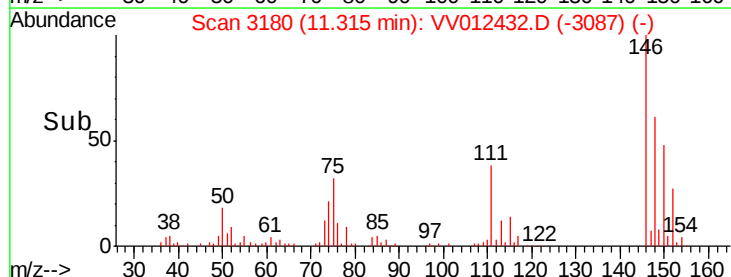
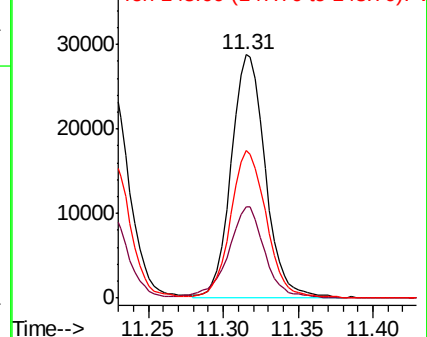
146 100

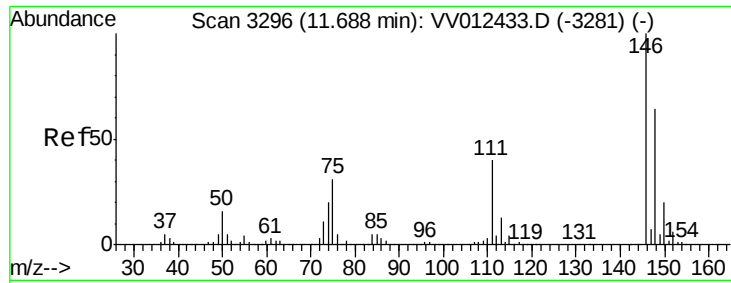
111 37.7 26.6 49.4

148 60.6 45.8 85.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.546 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

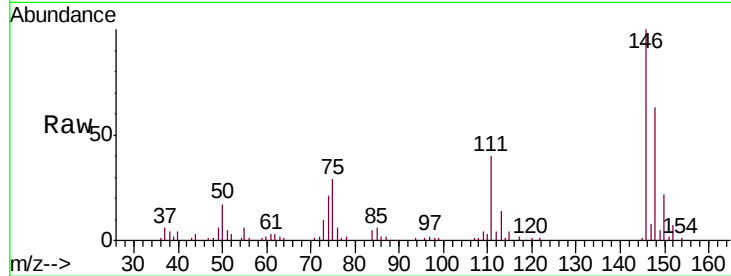
Tgt Ion:146 Resp: 41786

Ion Ratio Lower Upper

146 100

111 40.0 31.9 47.9

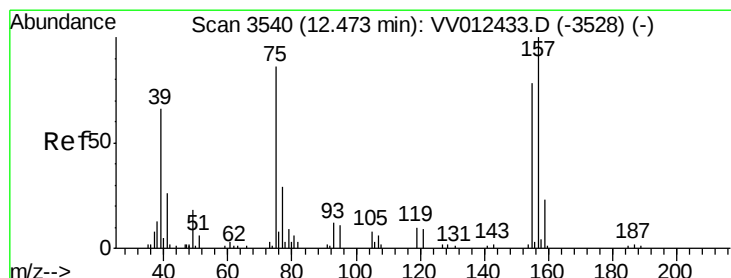
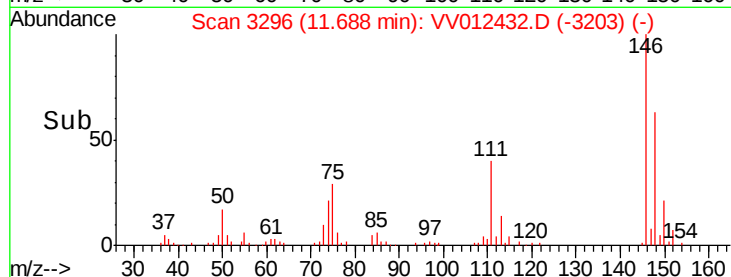
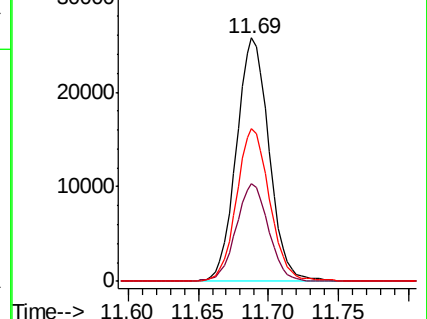
148 62.9 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 1.790 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

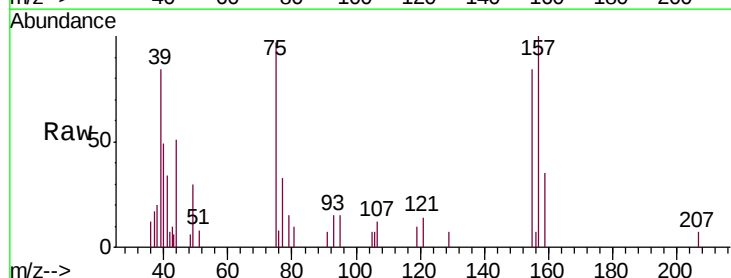
Tgt Ion: 75 Resp: 2888

Ion Ratio Lower Upper

75 100

155 86.7 72.4 108.6

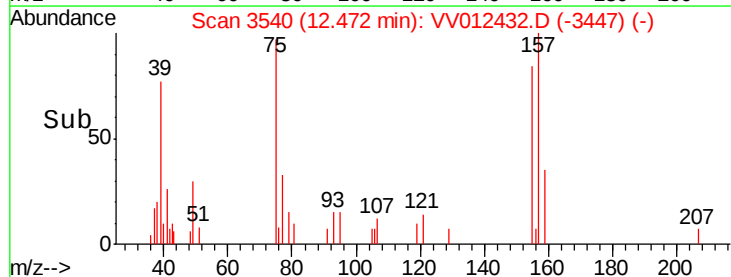
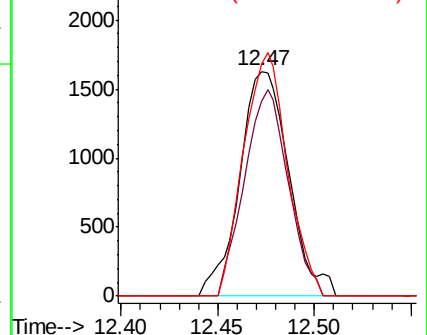
157 103.3 92.7 139.1

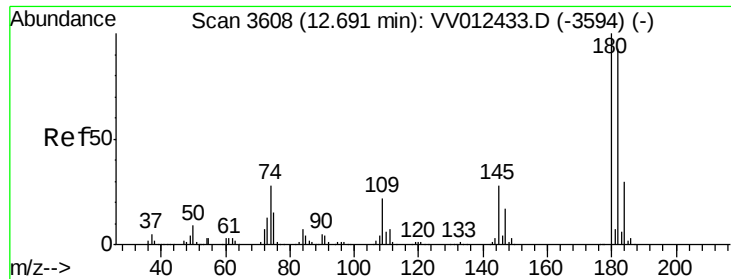


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

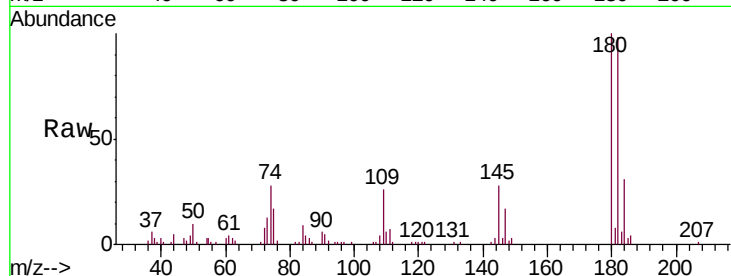




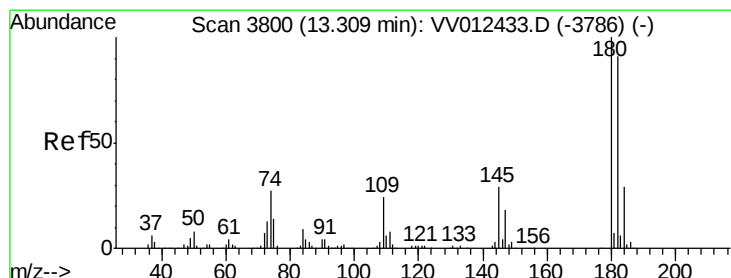
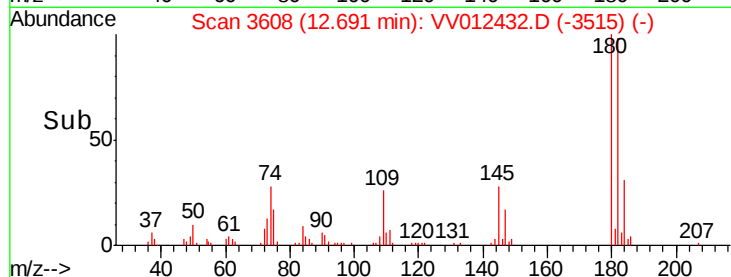
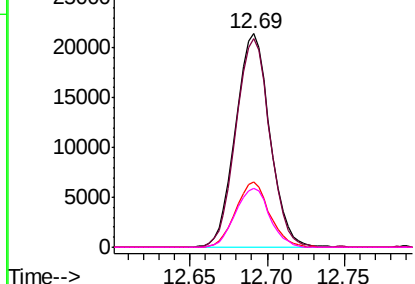
#67
 1,3,5-Trichlorobenzene
 Concen: 1.469 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:	180	Resp:	33113
Ion	Ratio	Lower	Upper
180	100		
182	96.4	74.8	112.2
184	30.0	24.1	36.1
145	27.6	22.2	33.4

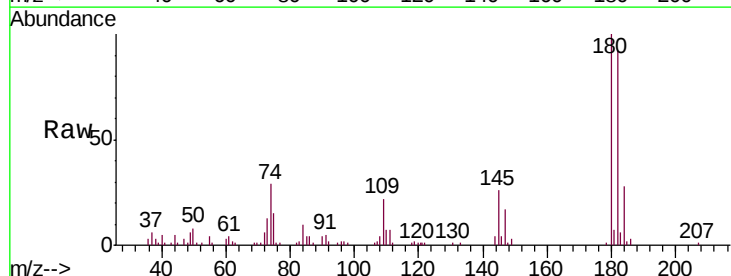


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

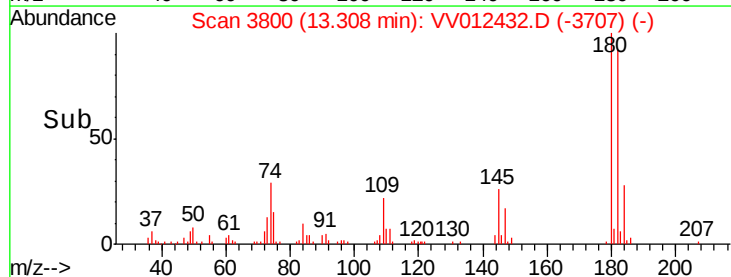
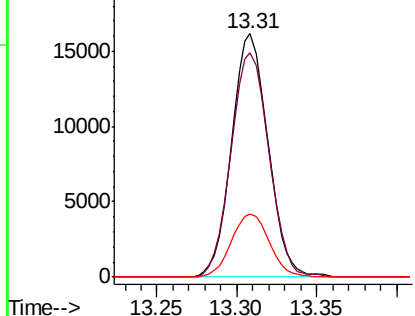


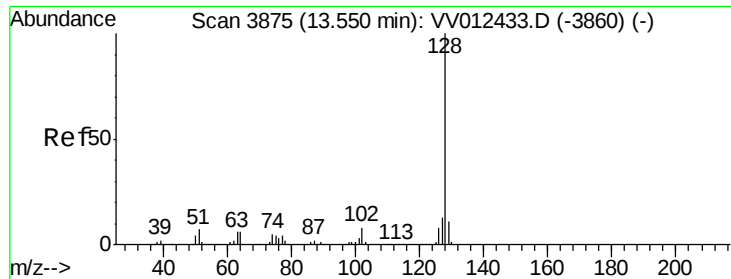
#68
 1,2,4-trichlorobenzene
 Concen: 1.552 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012432.D
 Acq: 28 Aug 2019 20:31

Tgt Ion:	180	Resp:	25039
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.2
145	27.1	22.9	34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 1.478 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

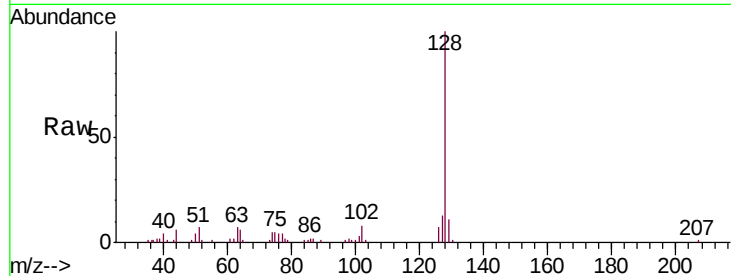
Tgt Ion:128 Resp: 34376

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

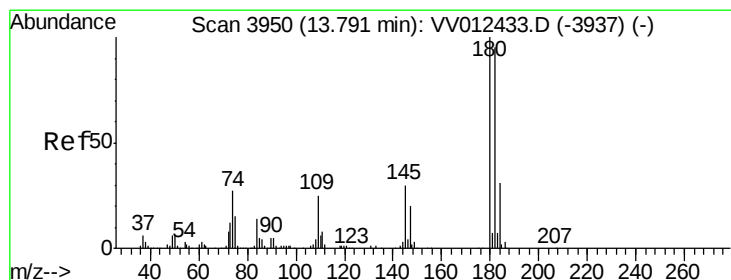
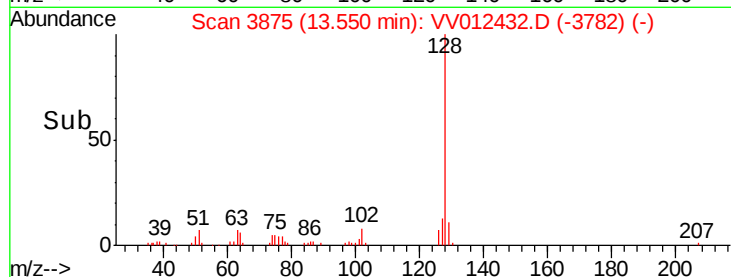
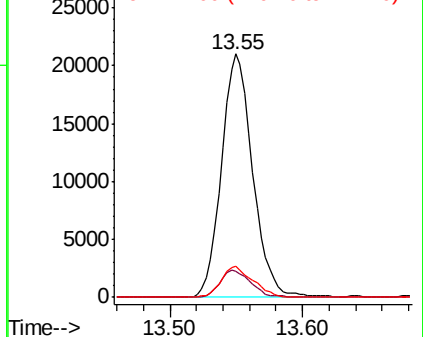
127 12.8 10.3 15.5



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: 1.670 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012432.D

Acq: 28 Aug 2019 20:31

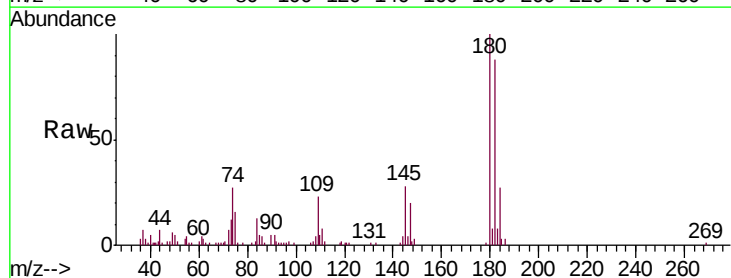
Tgt Ion:180 Resp: 25382

Ion Ratio Lower Upper

180 100

182 88.2 76.1 114.1

145 28.2 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

