

Data File : VV010671.D
Acq On : 03 May 2019 23:12
Operator : SY/MD
Sample : VSTDCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Quant Time: May 04 00:05:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 23:50:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	179751	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185466	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91069	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38275	16.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.28%
7) Chloroethane-d5	1.57	69	29946	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.20%
10) 1,1-Dichloroethene-d2	2.13	63	70354	17.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.52%
20) 2-Butanone-d5	3.93	46	34528	49.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.74%
24) Chloroform-d	4.40	84	114453	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	64977	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.68%
29) Benzene-d6	5.10	84	228148	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.12	67	71539	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
37) Toluene-d8	7.36	98	219800	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	7.66	79	30933	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.68%
39) 2-Hexanone-d5	8.13	63	28099	53.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	65323	24.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	91043	25.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56967	21.437 ug/L	99
3) Chloromethane	1.25	50	54110	22.142 ug/L	99
5) Vinyl chloride	1.32	62	42705	19.379 ug/L	97
6) Bromomethane	1.51	94	22289	19.753 ug/L	98
8) Chloroethane	1.59	64	25089	21.575 ug/L	100
9) Trichlorofluoromethane	1.76	101	72763	18.653 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37404	18.937 ug/L	97
12) 1,1-Dichloroethene	2.14	96	34479	19.966 ug/L	96
13) Acetone	2.19	43	19391	32.668 ug/L	95
14) Carbon disulfide	2.31	76	122802	21.477 ug/L	100
15) Methyl Acetate	2.46	43	28906	24.912 ug/L	99
16) Methylene chloride	2.53	84	68062	27.148 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	151925	28.562 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	54756	24.967 ug/L	95
19) 1,1-Dichloroethane	3.23	63	102802	25.702 ug/L	97
21) 2-Butanone	4.02	43	37523	48.479 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	67539	28.213 ug/L	97

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32444	28.665	ug/L	95
25) Chloroform	4.43	83	116808	26.348	ug/L	100
27) 1,2-Dichloroethane	5.18	62	75273	26.214	ug/L	97
30) Cyclohexane	4.73	56	69681	21.362	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	88141	24.328	ug/L	98
32) Carbon tetrachloride	4.87	117	75819	23.378	ug/L	98
34) Benzene	5.15	78	230944	26.048	ug/L	100
35) Trichloroethene	5.96	95	63417	25.077	ug/L	98
36) Methylcyclohexane	6.18	83	75481	20.890	ug/L	97
40) 1,2-Dichloropropane	6.22	63	61202	26.541	ug/L	100
41) Bromodichloromethane	6.56	83	85488	27.998	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	95198	28.223	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	84881	52.278	ug/L	95
44) Toluene	7.43	91	261433	26.718	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	79744	28.091	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	54237	28.167	ug/L	98
47) Tetrachloroethene	8.02	164	46791	23.736	ug/L	96
49) 2-Hexanone	8.18	43	57248	47.430	ug/L	93
50) Dibromochloromethane	8.29	129	64306	28.160	ug/L	99
51) 1,2-Dibromoethane	8.40	107	51025	27.473	ug/L	97
52) Chlorobenzene	8.92	112	186984	27.381	ug/L	99
53) Ethylbenzene	9.05	91	292293	26.412	ug/L	99
54) m,p-Xylene	9.18	106	115770	27.608	ug/L	96
55) o-xylene	9.59	106	118166	28.844	ug/L	96
56) Styrene	9.60	104	200266	28.803	ug/L	98
57) Isopropylbenzene	9.97	105	293966	27.344	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	64893	27.015	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	48373	26.769	ug/L	98
62) Bromoform	9.77	173	35928	28.129	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	148091	28.496	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	149501	27.548	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	145009	28.263	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	10291	27.273	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	105818	26.521	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	85326	28.027	ug/L	99
69) Naphthalene	13.55	128	172339	29.606	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	84388	29.387	ug/L	96

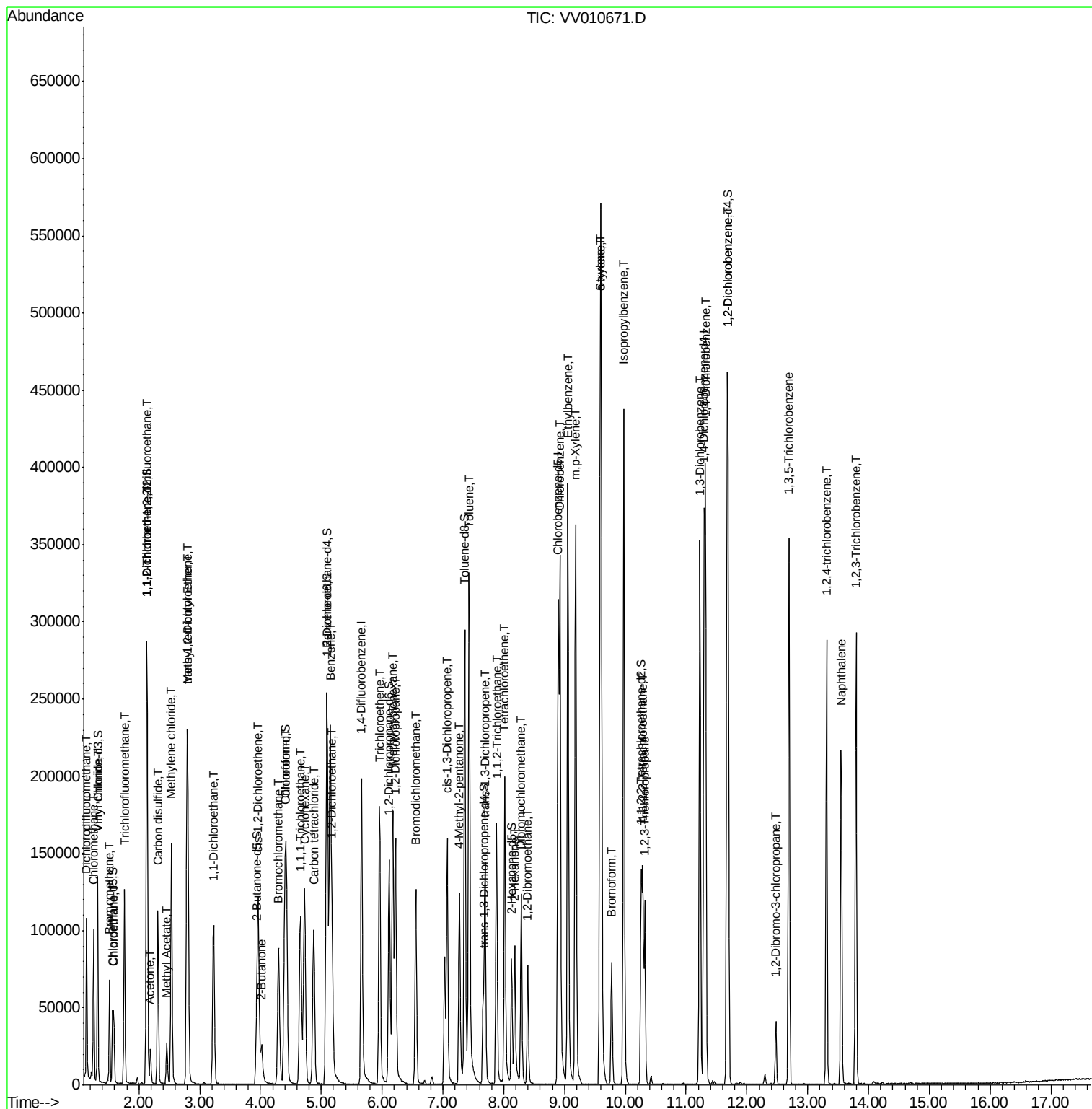
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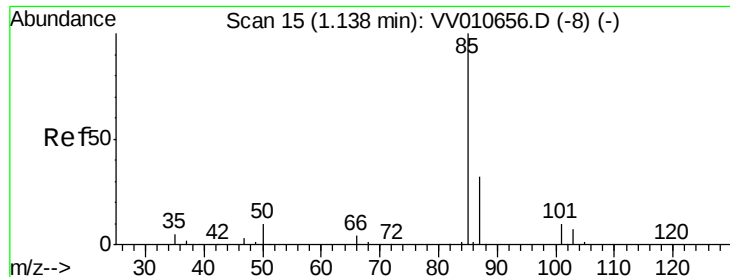
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#2

Dichlorodifluoromethane

Concen: 21.437 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

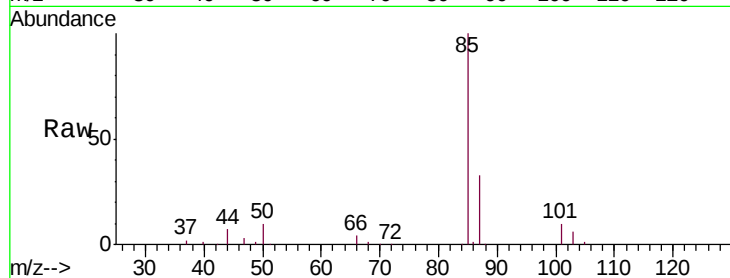
VSTD02583

Tgt Ion: 85 Resp: 56967

Ion Ratio Lower Upper

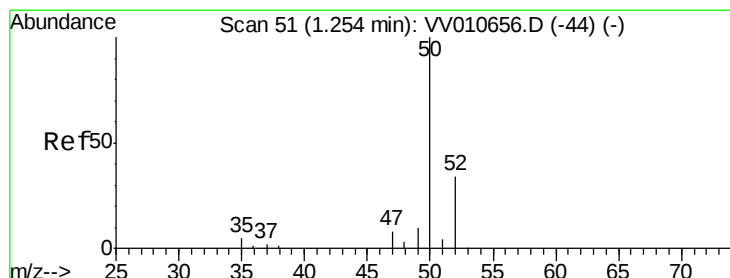
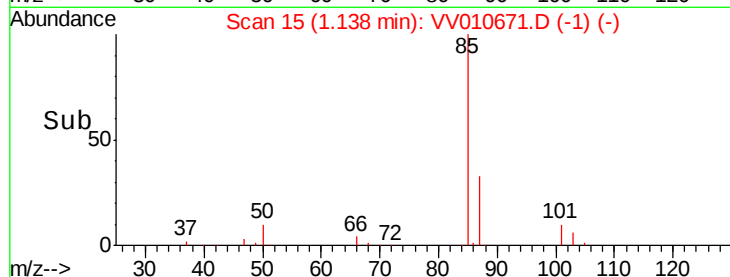
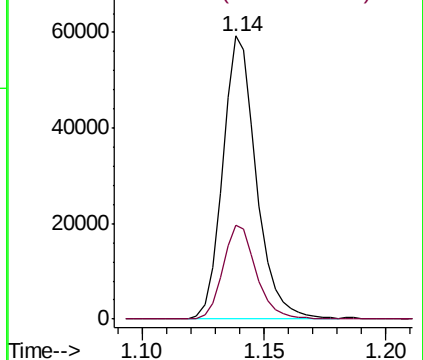
85 100

87 33.2 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 22.142 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010671.D

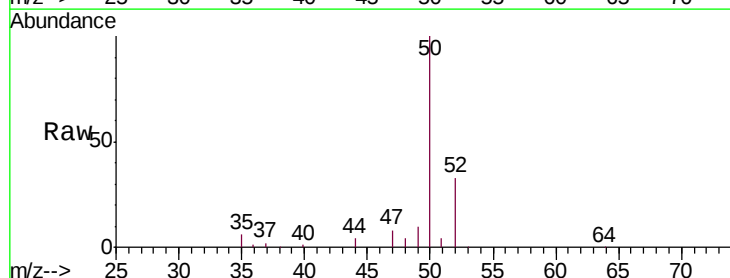
Acq: 03 May 2019 23:12

Tgt Ion: 50 Resp: 54110

Ion Ratio Lower Upper

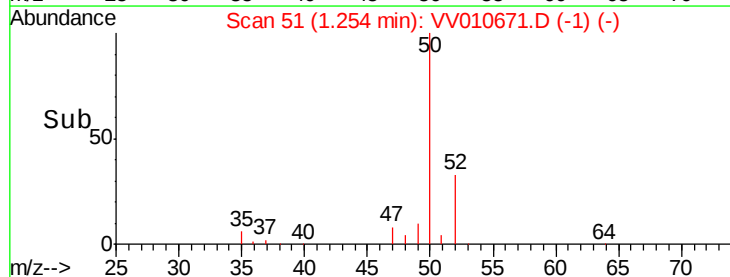
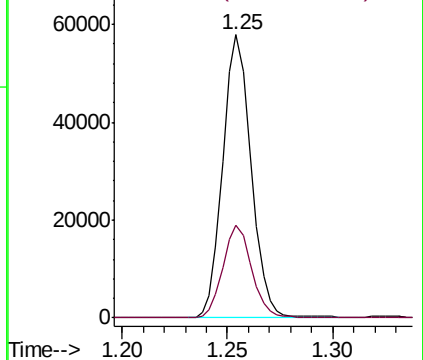
50 100

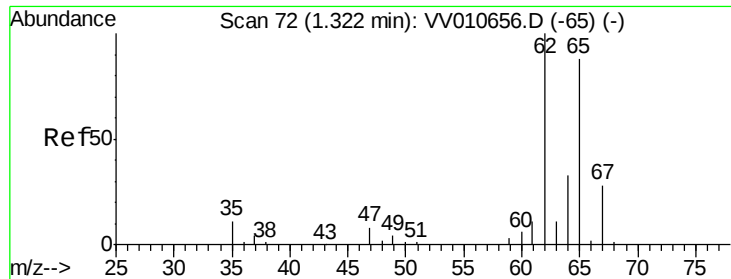
52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 19.379 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

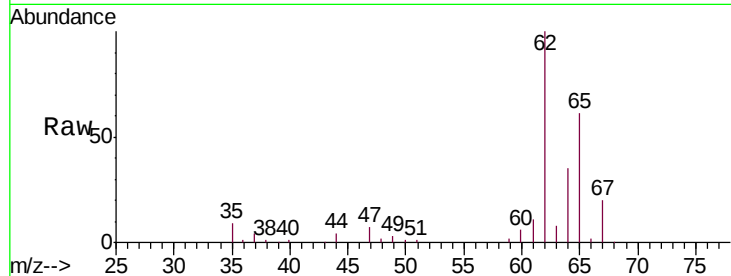
VSTD02583

Tgt Ion: 62 Resp: 42705

Ion Ratio Lower Upper

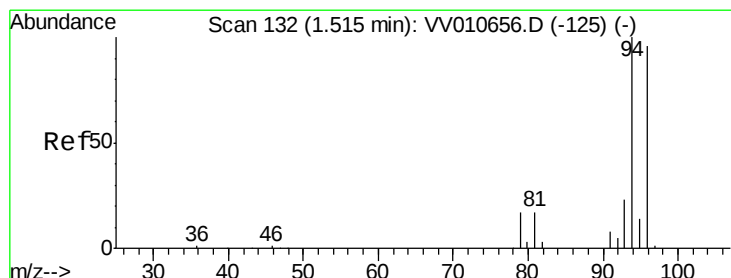
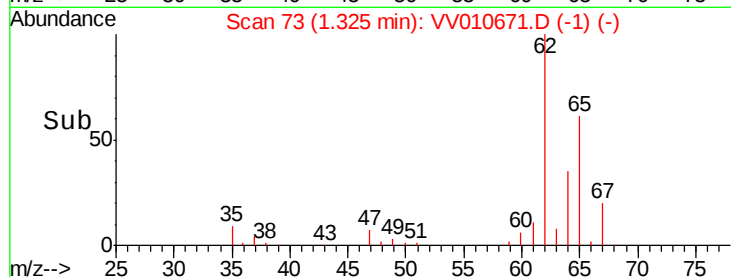
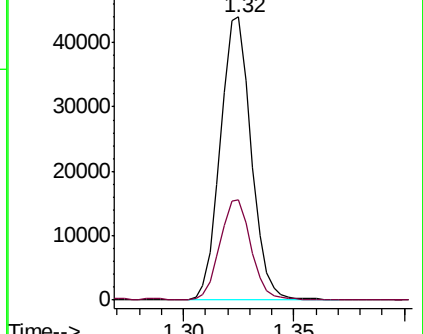
62 100

64 35.4 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 19.753 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010671.D

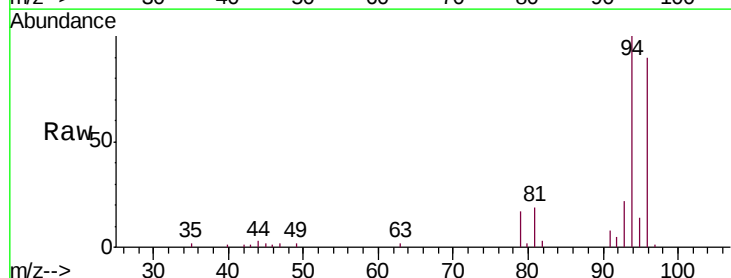
Acq: 03 May 2019 23:12

Tgt Ion: 94 Resp: 22289

Ion Ratio Lower Upper

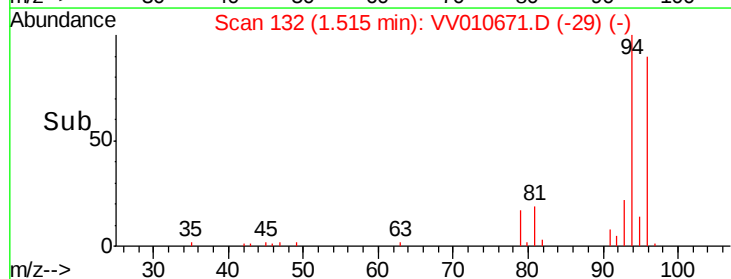
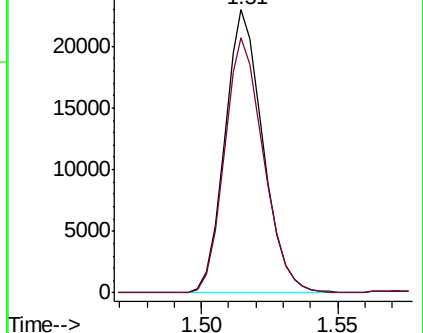
94 100

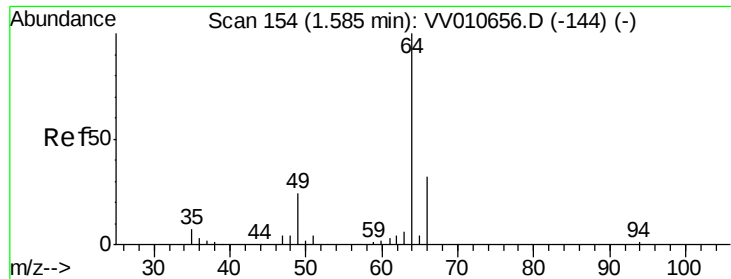
96 92.4 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

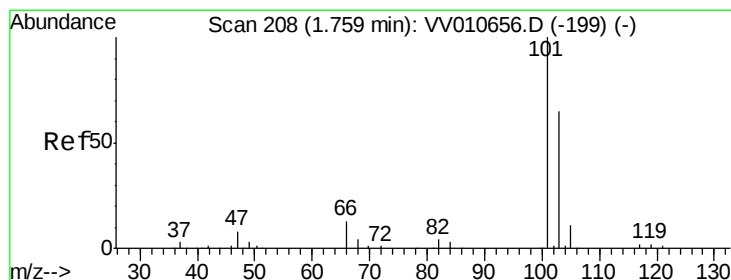
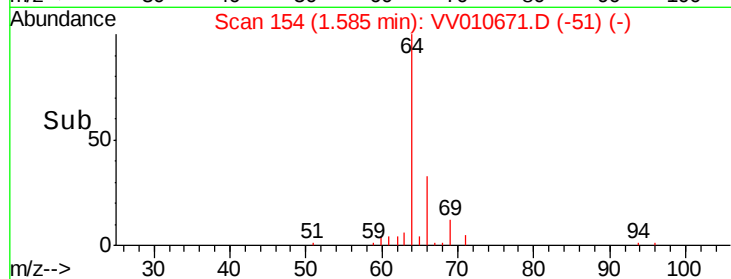
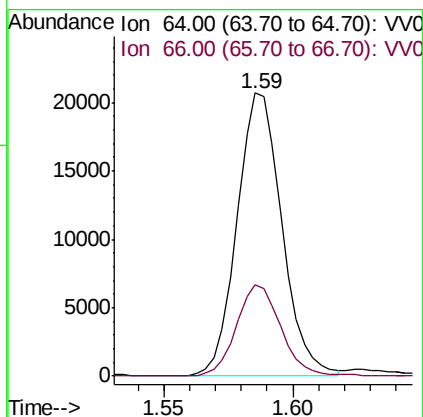
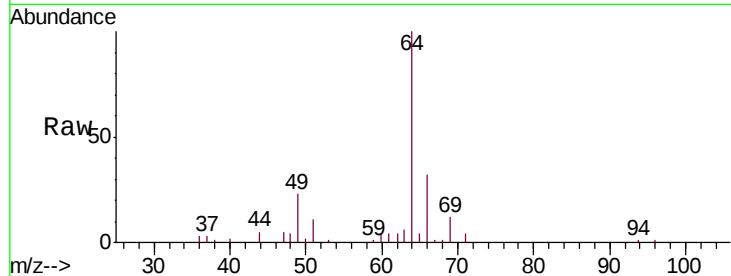




#8
Chloroethane
Concen: 21.575 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

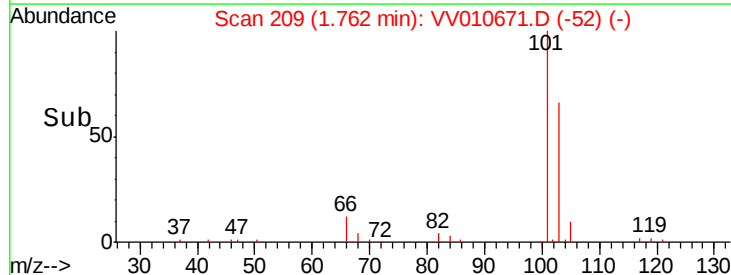
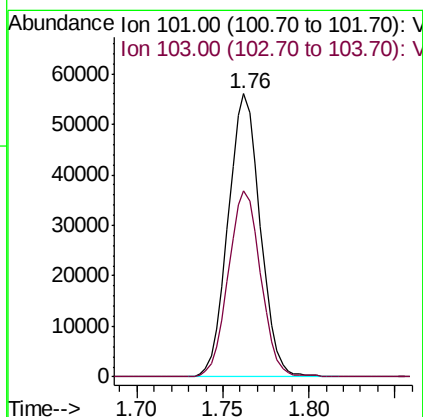
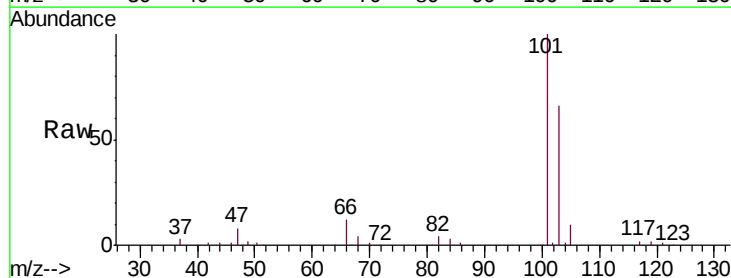
Instrument :
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VSTD02583

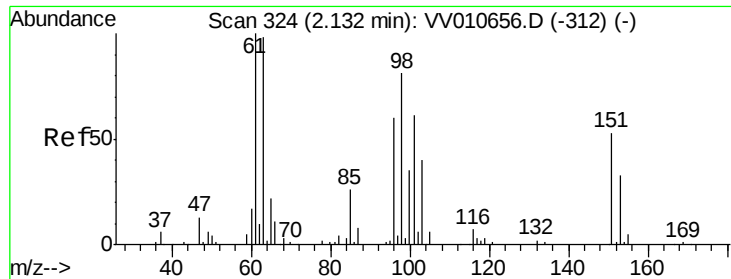
Tgt Ion: 64 Resp: 25089
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 18.653 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion: 101 Resp: 72763
Ion Ratio Lower Upper
101 100
103 66.6 45.1 83.9





#11

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

Concen: 18.937 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

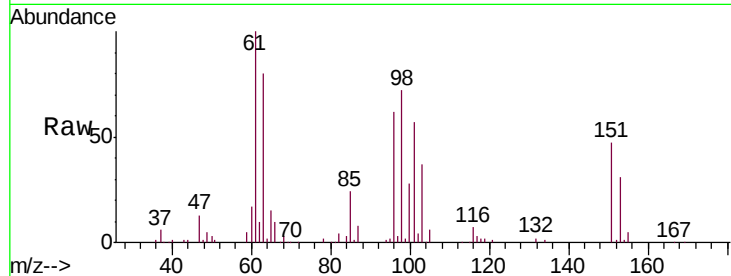
Tgt Ion: 101 Resp: 37404

Ion Ratio Lower Upper

101 100

85 42.0 34.6 51.8

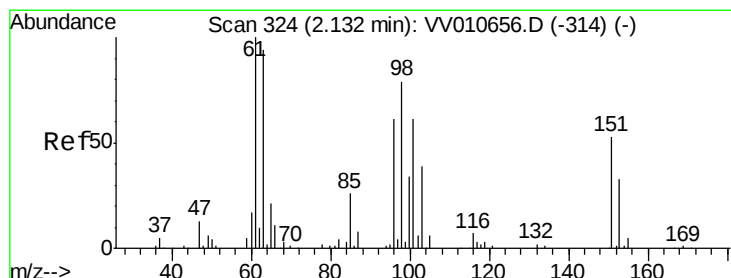
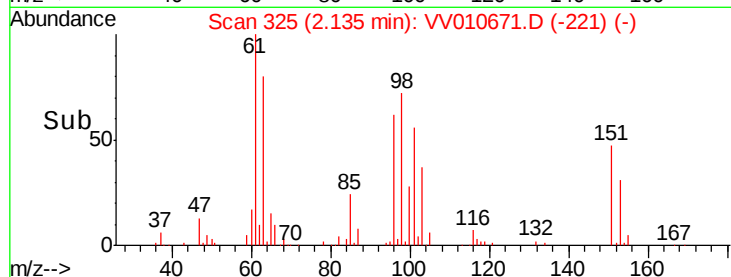
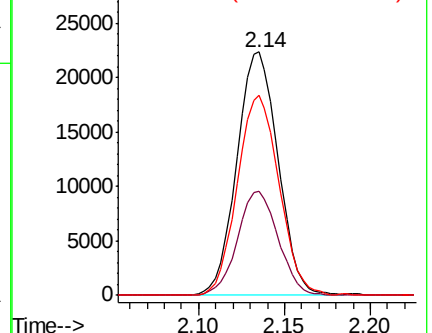
151 83.0 68.6 103.0



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: 19.966 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

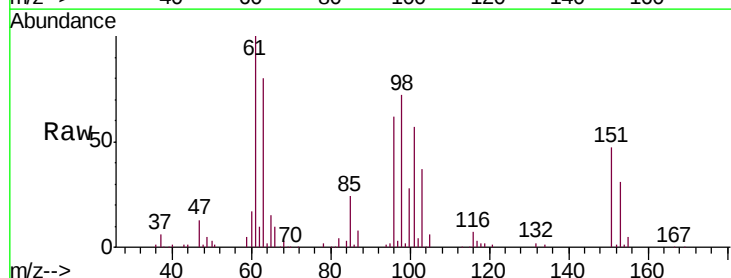
Tgt Ion: 96 Resp: 34479

Ion Ratio Lower Upper

96 100

61 162.6 111.1 206.3

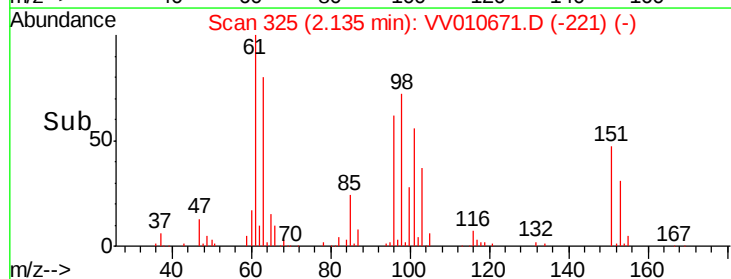
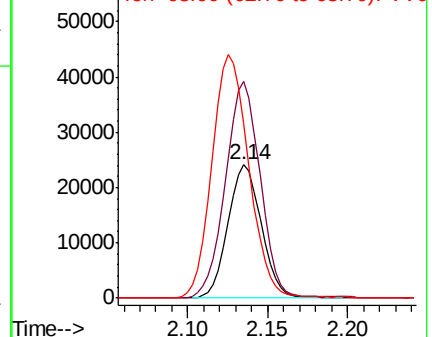
63 130.5 95.2 176.8

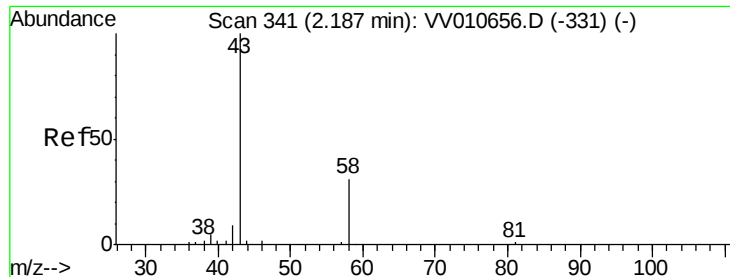


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 32.668 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

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ClientSampleId :

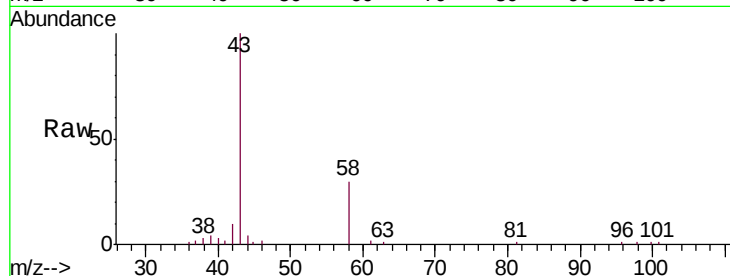
VSTD02583

Tgt Ion: 43 Resp: 19391

Ion Ratio Lower Upper

43 100

58 31.7 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010671.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010671.D (-238) (-)

15000

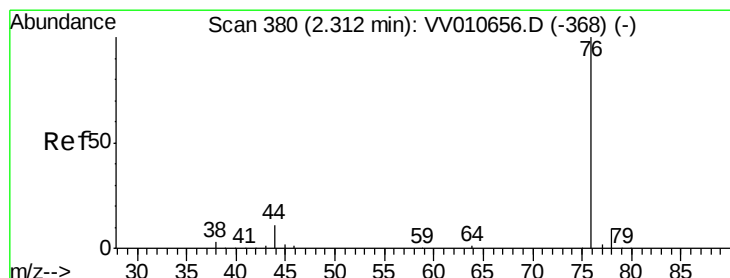
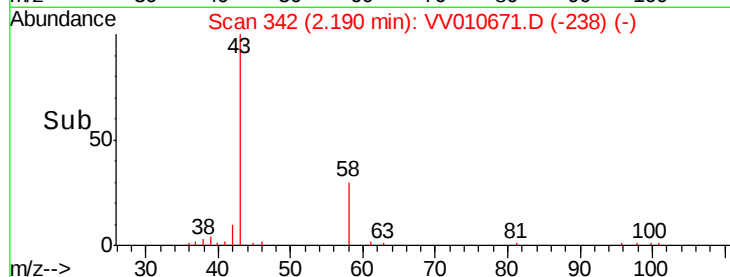
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 21.477 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010671.D

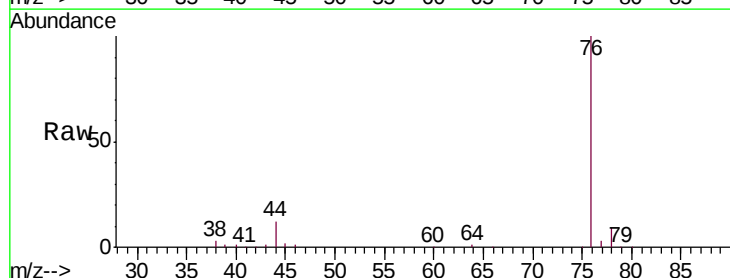
Acq: 03 May 2019 23:12

Tgt Ion: 76 Resp: 122802

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV010671.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV010671.D (-224) (-)

100000

80000

60000

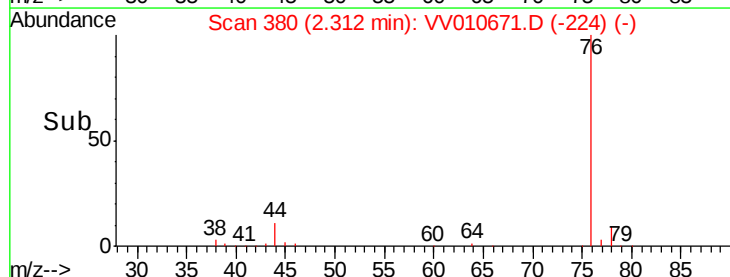
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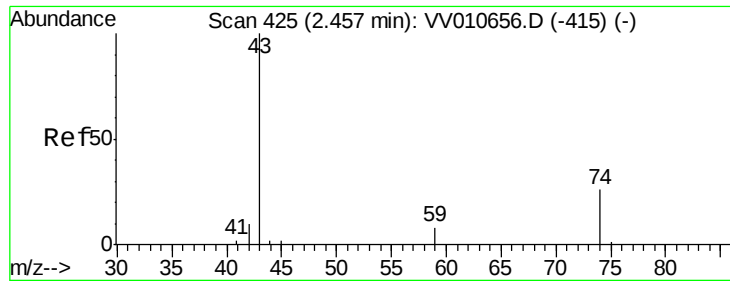
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2.25 2.30 2.35 2.40

Time-->

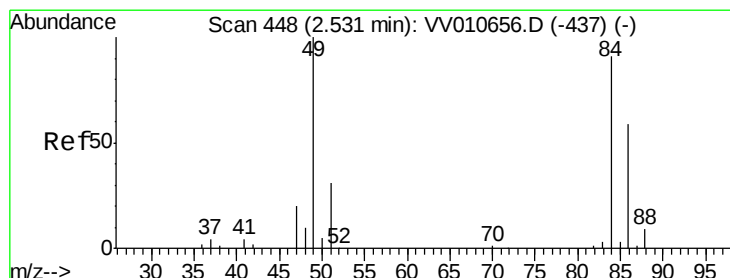
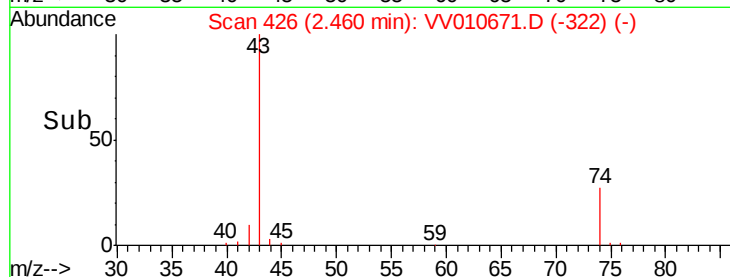
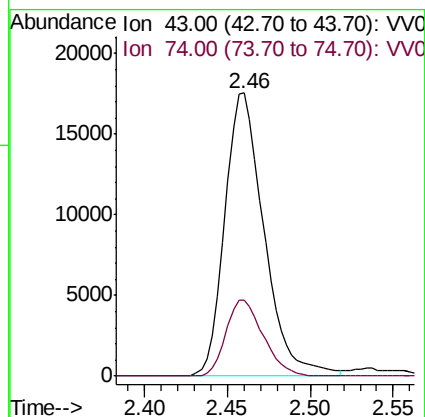
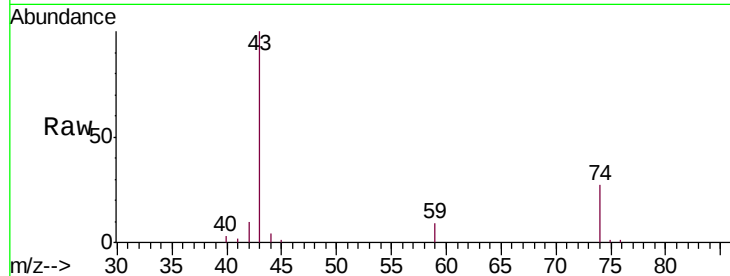




#15
Methyl Acetate
Concen: 24.912 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

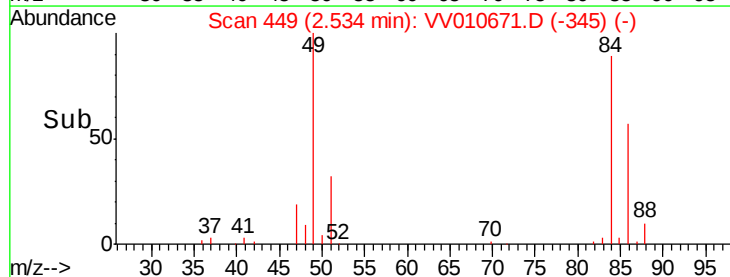
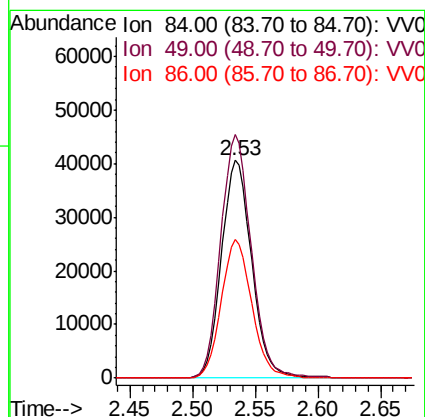
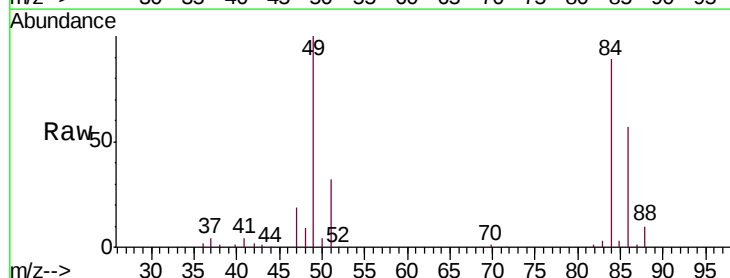
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

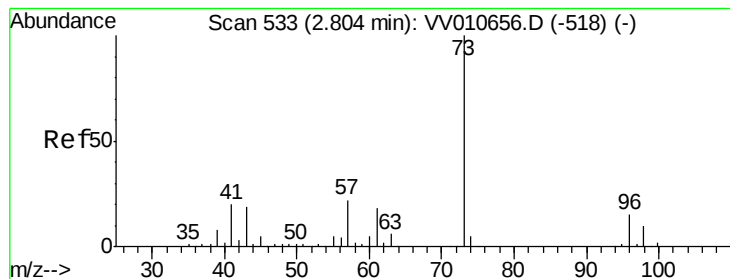
Tgt Ion: 43 Resp: 28906
Ion Ratio Lower Upper
43 100
74 25.5 20.0 30.0



#16
Methylene chloride
Concen: 27.148 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion: 84 Resp: 68062
Ion Ratio Lower Upper
84 100
49 112.0 81.9 152.1
86 63.6 44.0 81.6



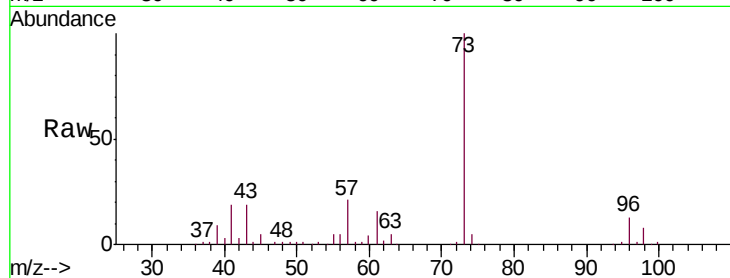


#17

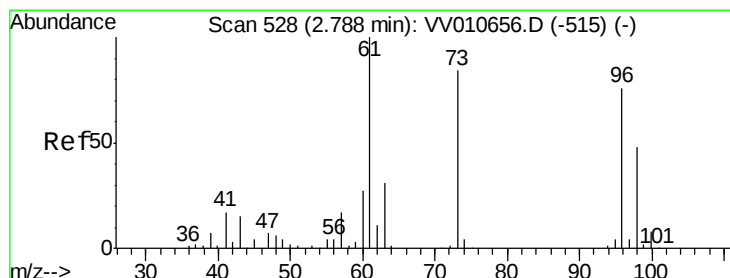
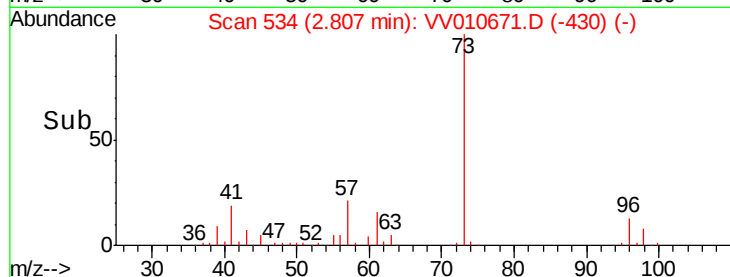
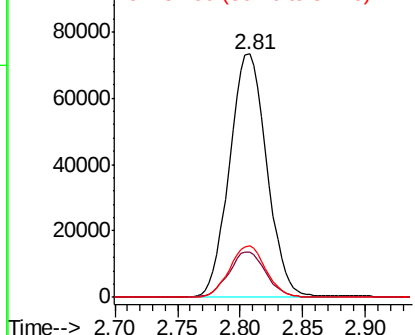
Methyl tert-butyl Ether
 Concen: 28.562 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Tgt Ion: 73 Resp: 151925
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.9 23.9
 57 20.7 17.9 26.9



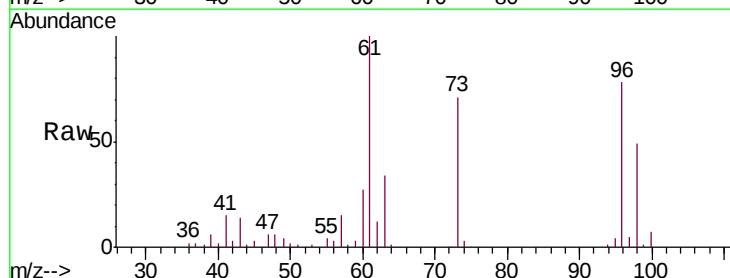
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



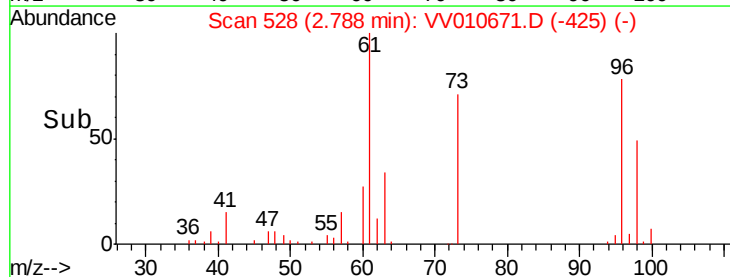
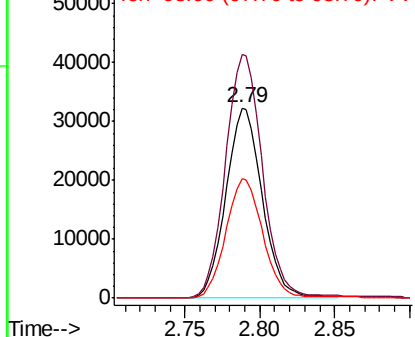
#18

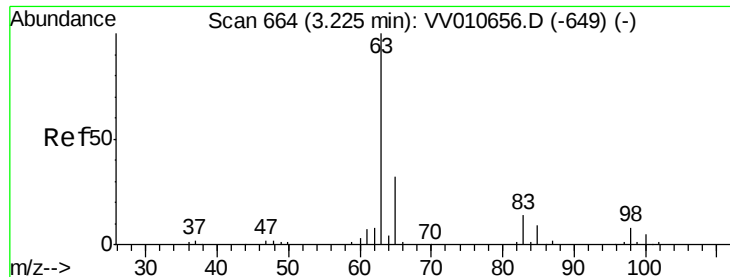
trans-1,2-Dichloroethene
 Concen: 24.967 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion: 96 Resp: 54756
 Ion Ratio Lower Upper
 96 100
 61 127.9 94.6 175.8
 98 62.6 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

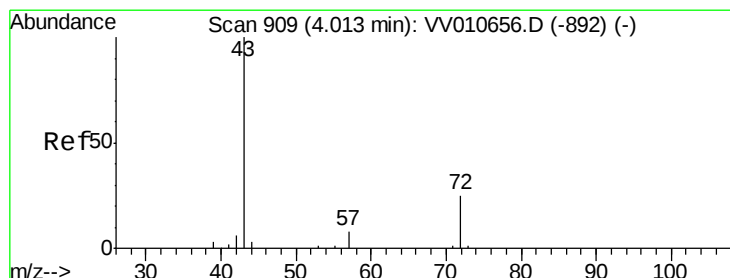
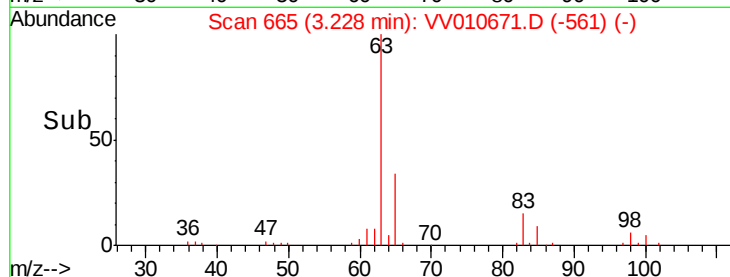
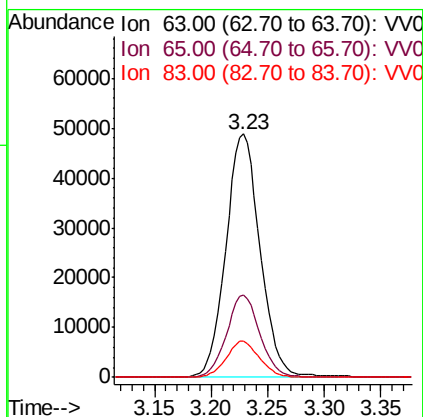
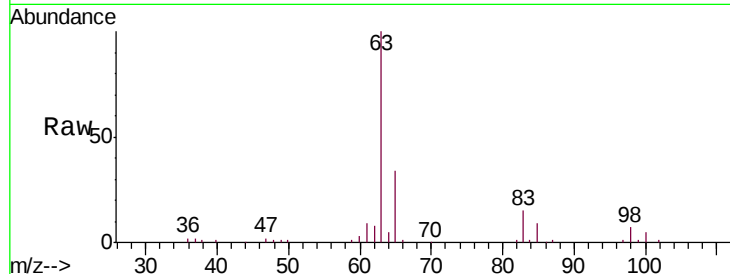




#19
 1,1-Dichloroethane
 Concen: 25.702 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

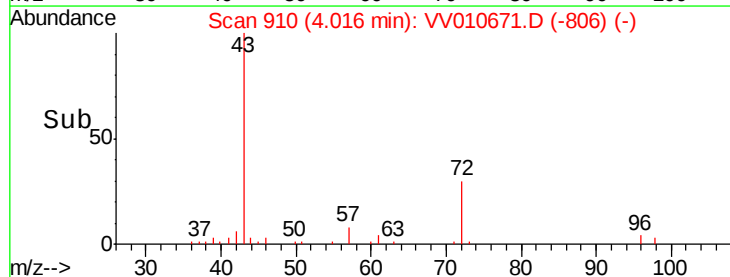
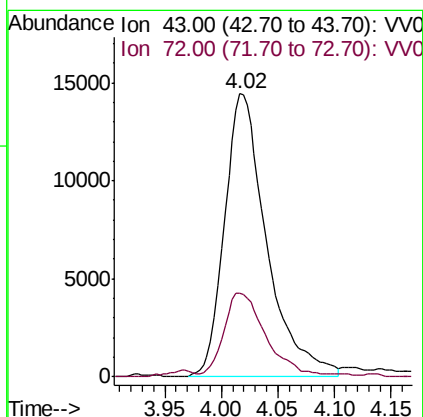
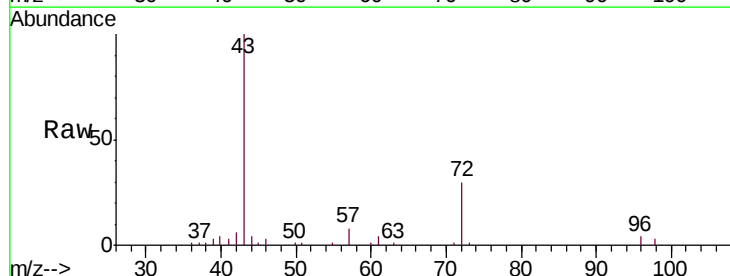
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

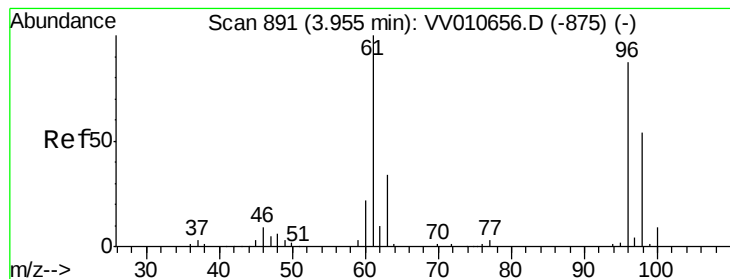
Tgt Ion: 63 Resp: 102802
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.0 40.8
 83 14.8 10.0 18.6



#21
 2-Butanone
 Concen: 48.479 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion: 43 Resp: 37523
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.2 42.6



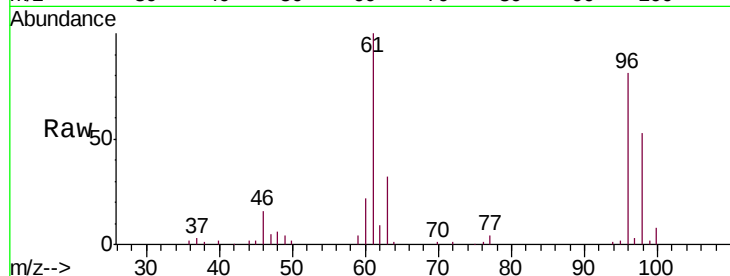


#22

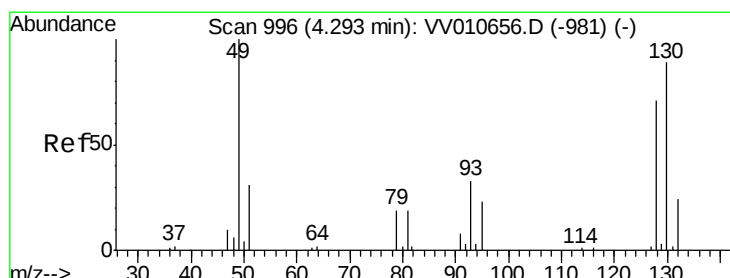
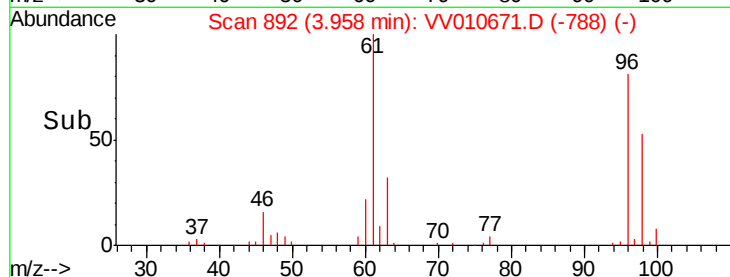
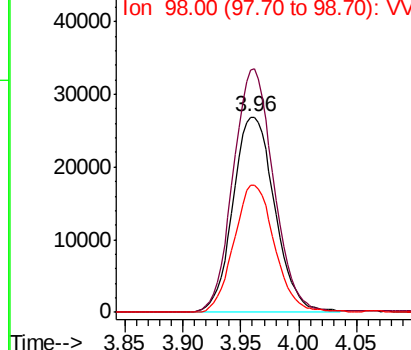
cis-1,2-Dichloroethene
 Concen: 28.213 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Tgt Ion: 96 Resp: 67539
 Ion Ratio Lower Upper
 96 100
 61 124.0 89.6 166.4
 98 65.3 44.5 82.7



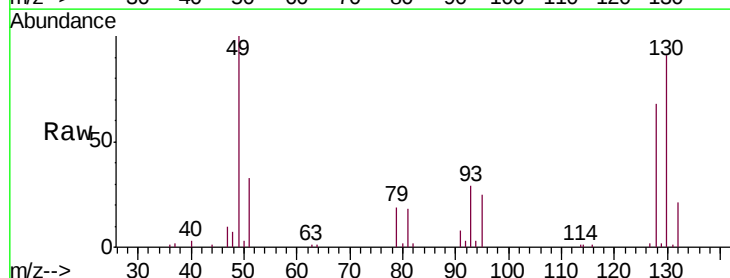
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



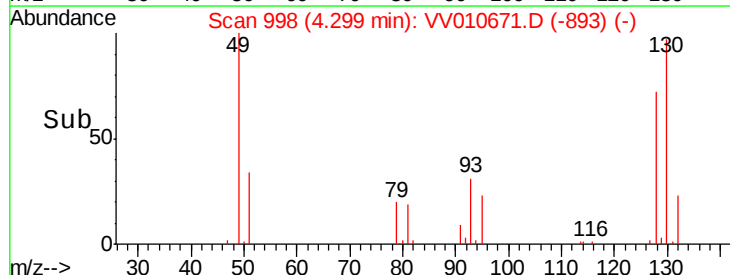
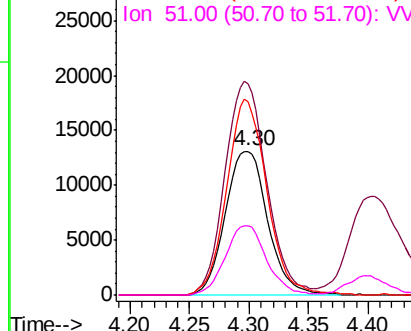
#23

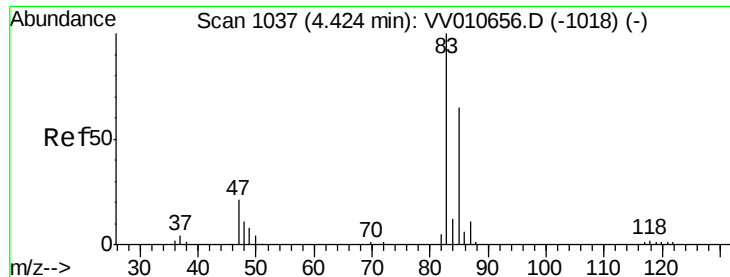
Bromochloromethane
 Concen: 28.665 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion: 128 Resp: 32444
 Ion Ratio Lower Upper
 128 100
 49 147.2 108.0 200.6
 130 134.2 89.7 166.7
 51 48.3 37.3 55.9



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

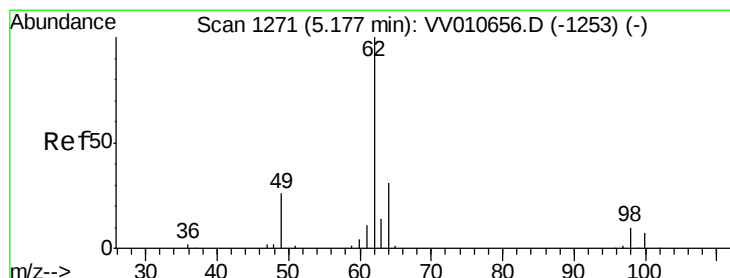
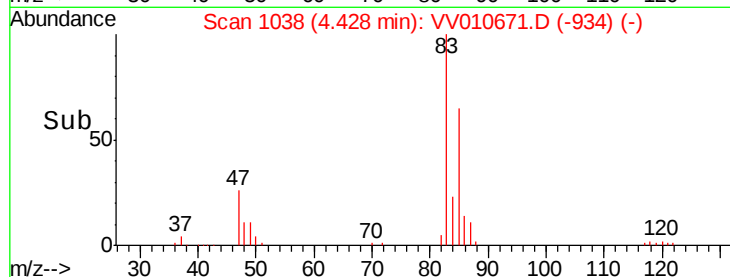
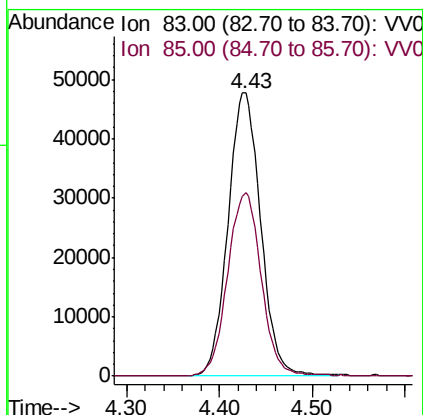
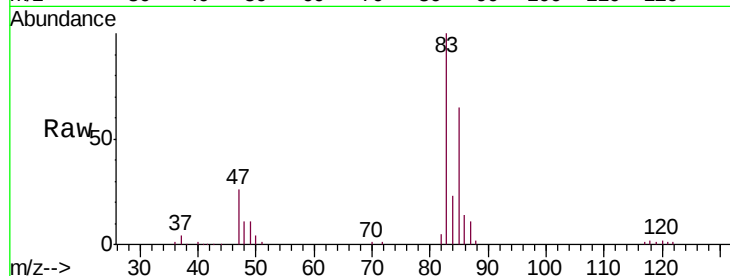




#25
Chloroform
Concen: 26.348 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

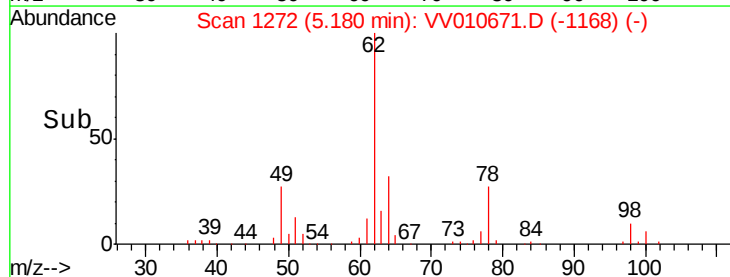
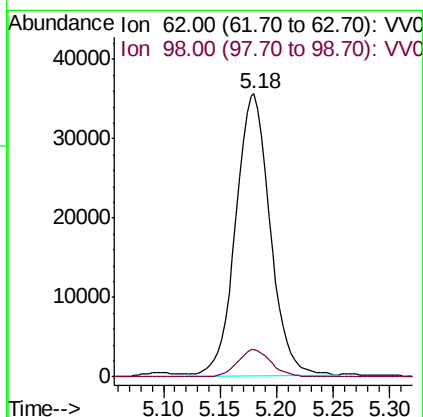
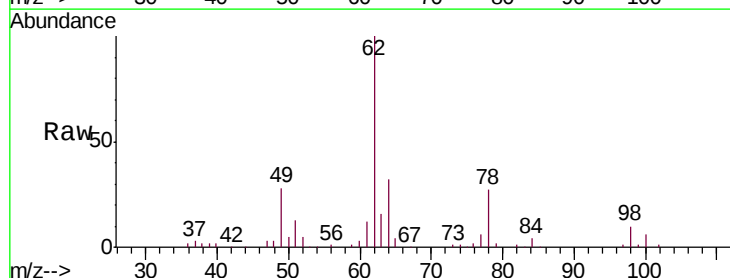
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

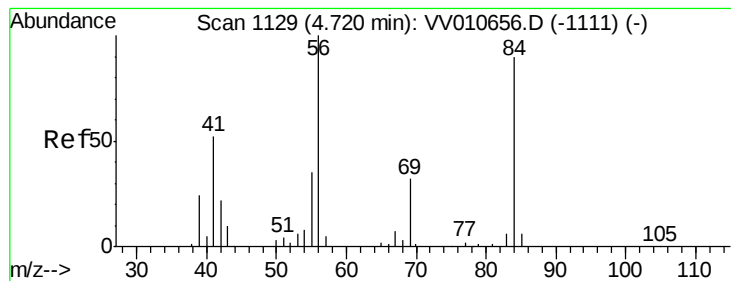
Tgt Ion: 83 Resp: 116808
Ion Ratio Lower Upper
83 100
85 66.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 26.214 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion: 62 Resp: 75273
Ion Ratio Lower Upper
62 100
98 9.5 6.6 10.0





#30

Cyclohexane

Concen: 21.362 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

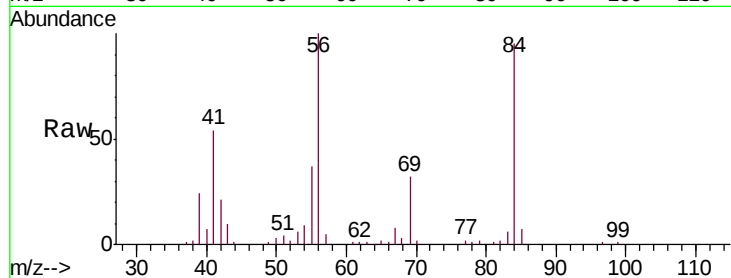
Tgt Ion: 56 Resp: 69681

Ion Ratio Lower Upper

56 100

69 32.4 25.0 37.6

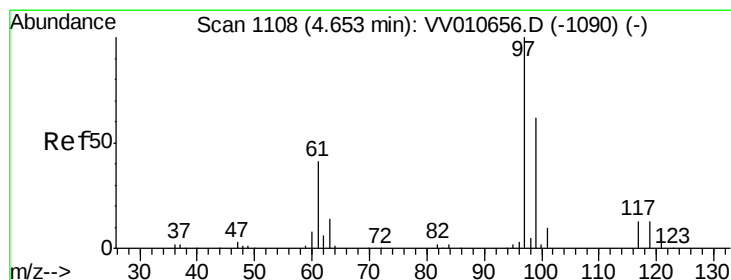
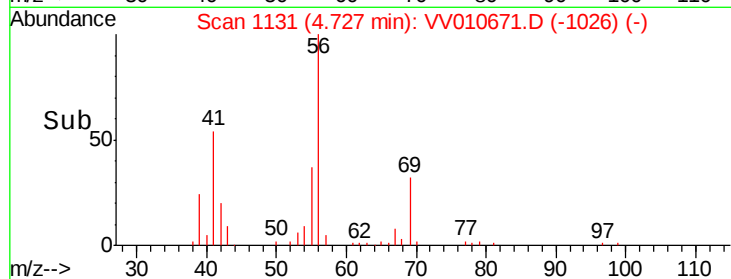
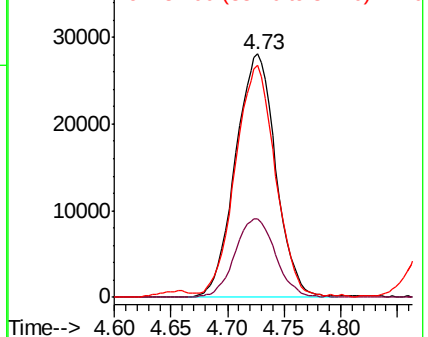
84 94.8 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VV010656.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV010656.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV010656.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 24.328 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

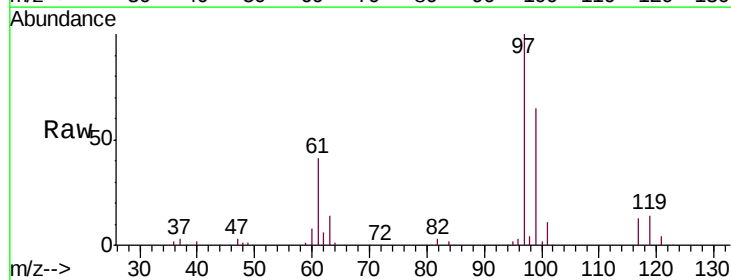
Tgt Ion: 97 Resp: 88141

Ion Ratio Lower Upper

97 100

99 64.4 50.3 75.5

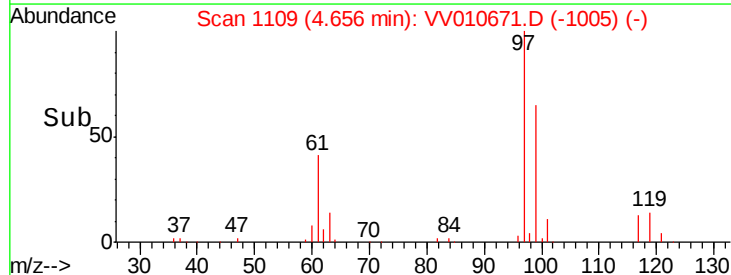
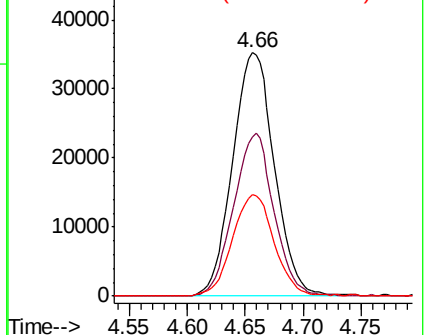
61 41.5 34.1 51.1

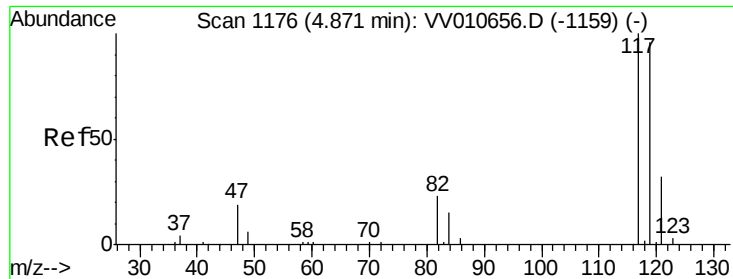


Abundance Ion 97.00 (96.70 to 97.70): VV010656.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV010656.D (-1090) (-)

Ion 61.00 (60.70 to 61.70): VV010656.D (-1090) (-)





#32

Carbon tetrachloride

Concen: 23.378 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

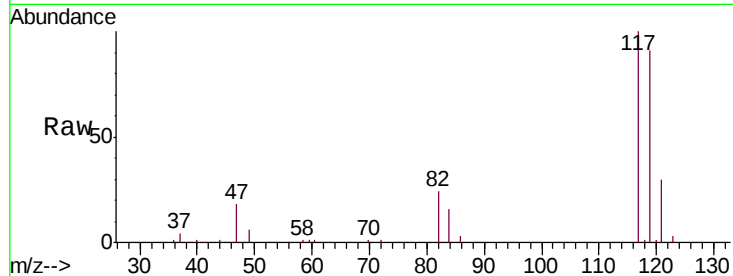
VSTD02583

Tgt Ion:117 Resp: 75819

Ion Ratio Lower Upper

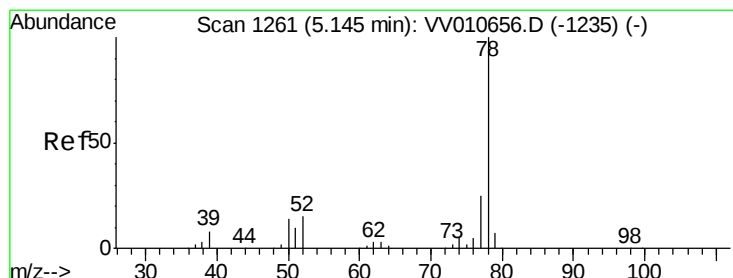
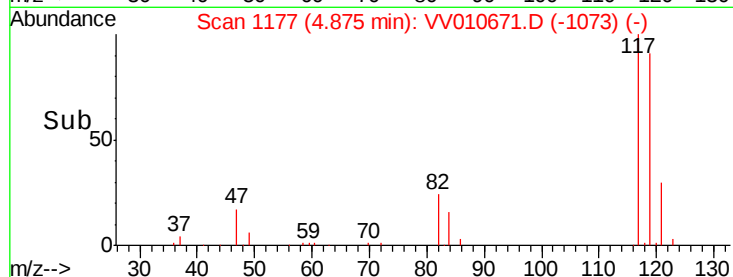
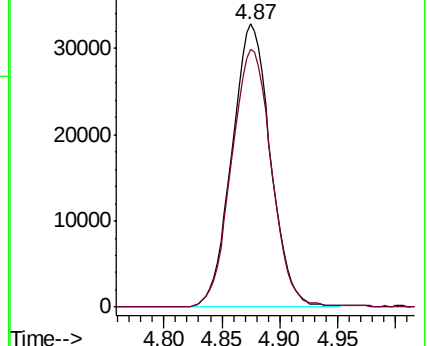
117 100

119 94.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.048 ug/L

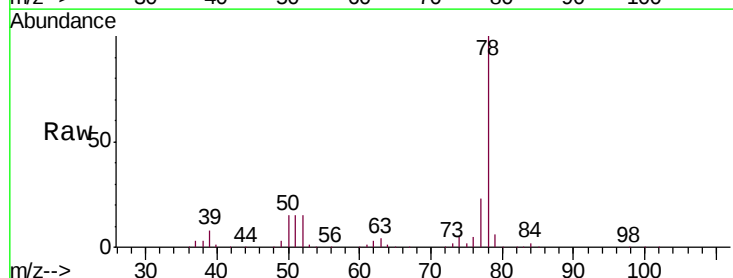
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

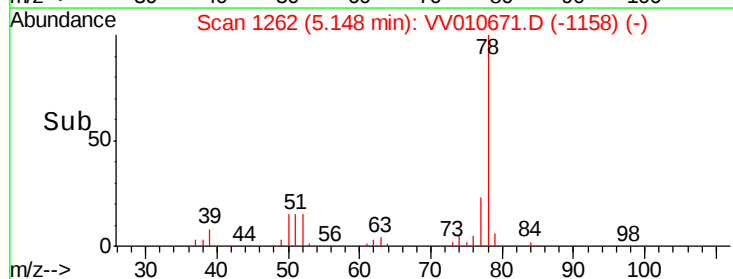
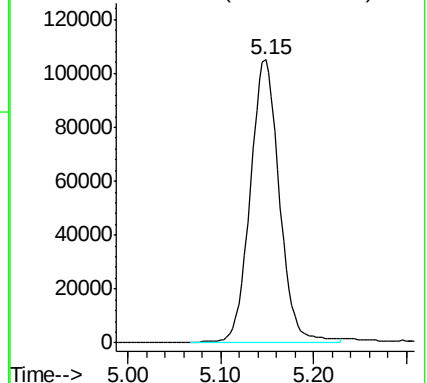
Lab File: VV010671.D

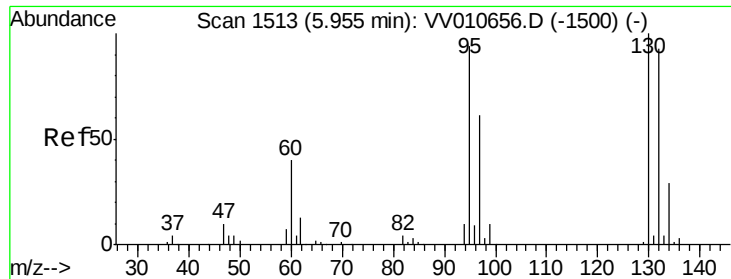
Acq: 03 May 2019 23:12

Tgt Ion: 78 Resp: 230944



Abundance Ion 78.00 (77.70 to 78.70): VV0

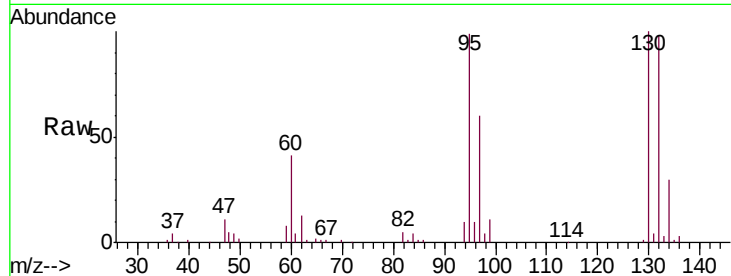




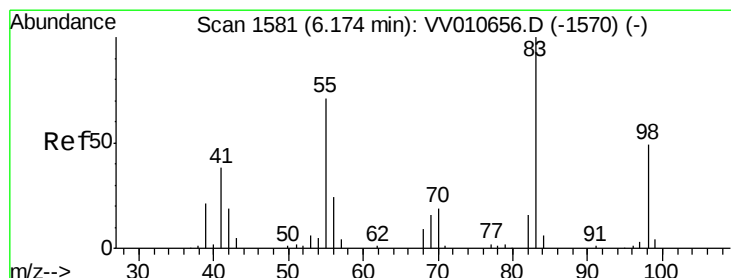
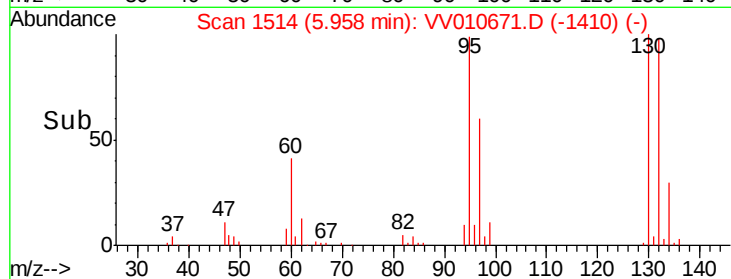
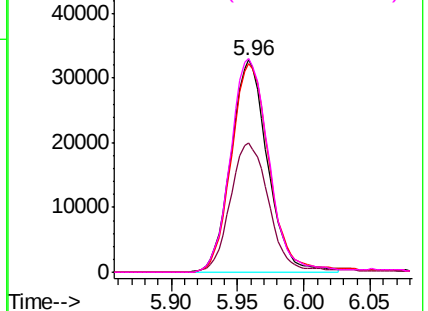
#35
 Trichloroethene
 Concen: 25.077 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Tgt Ion:	95	Resp:	63417
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.0	83.6
132	101.3	69.9	129.9
130	104.6	71.3	132.3

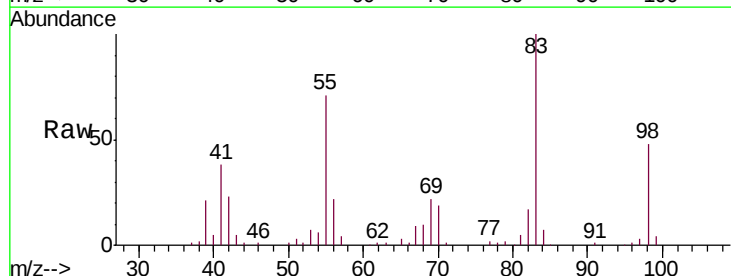


Abundance Ion 95.00 (94.70 to 95.70): VV010656.D (-1500) (-)
 Ion 97.00 (96.70 to 97.70): VV010656.D (-1500) (-)
 Ion 132.00 (131.70 to 132.70): VV010656.D (-1500) (-)
 Ion 130.00 (129.70 to 130.70): VV010656.D (-1500) (-)

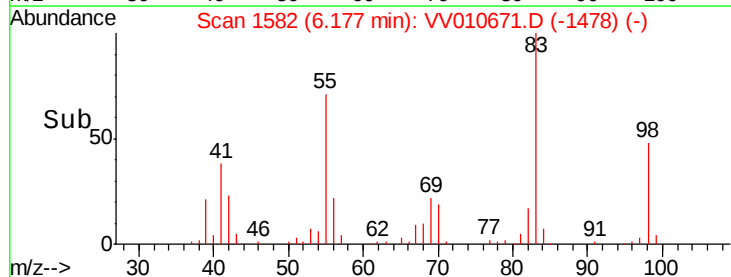
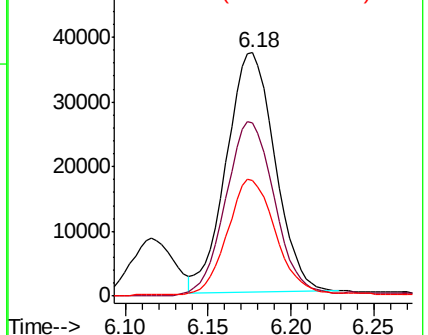


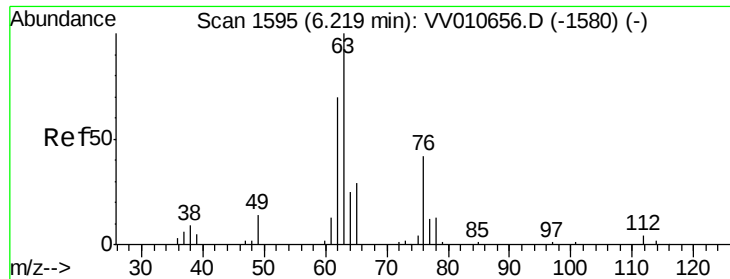
#36
 Methylcyclohexane
 Concen: 20.890 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion:	83	Resp:	75481
Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.4	92.0
98	48.3	37.4	56.2



Abundance Ion 83.00 (82.70 to 83.70): VV010656.D (-1570) (-)
 Ion 55.00 (54.70 to 55.70): VV010656.D (-1570) (-)
 Ion 98.00 (97.70 to 98.70): VV010656.D (-1570) (-)

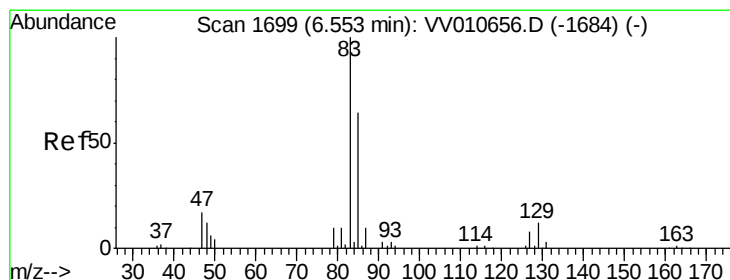
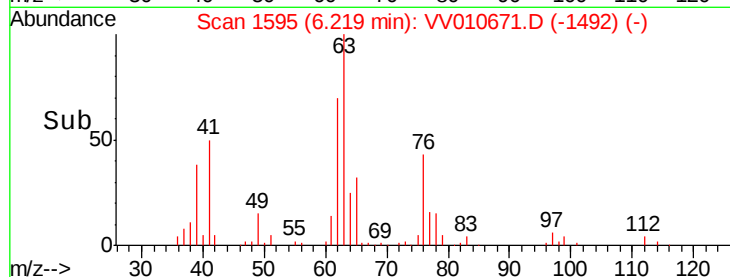
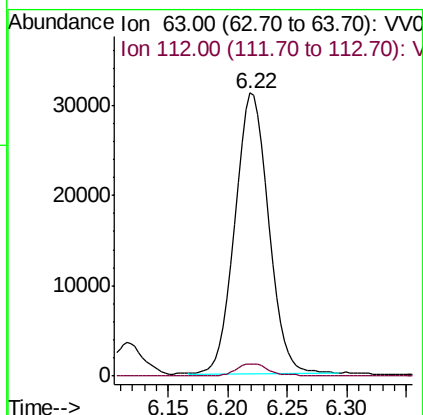
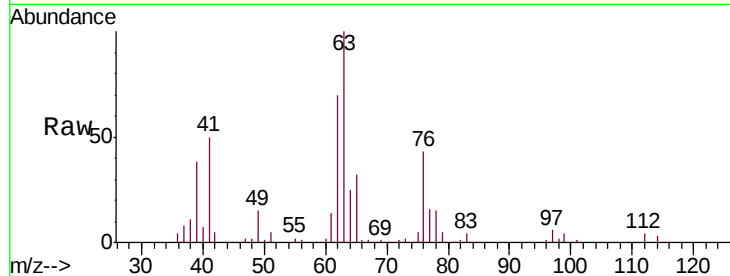




#40
 1,2-Dichloropropane
 Concen: 26.541 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

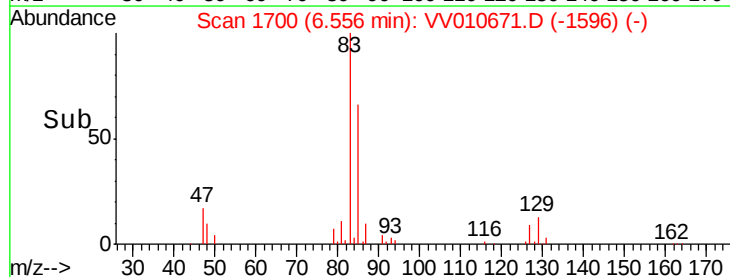
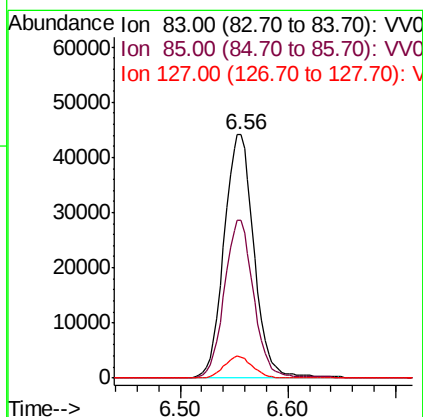
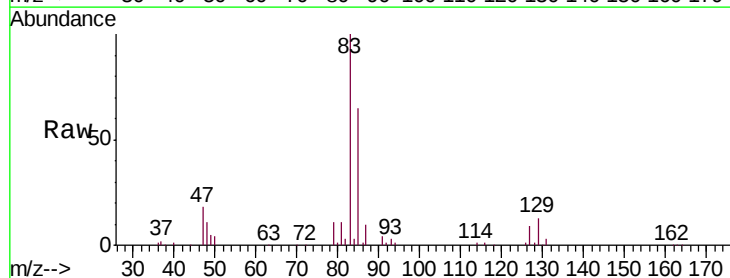
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

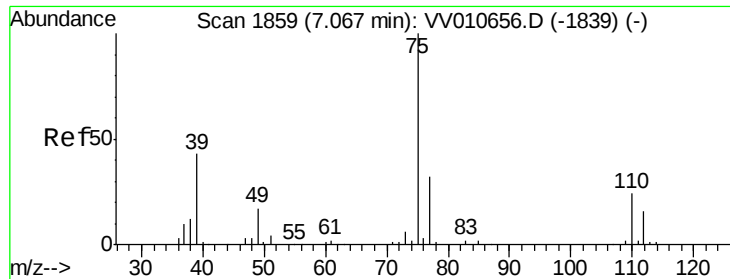
Tgt Ion: 63 Resp: 61202
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#41
 Bromodichloromethane
 Concen: 27.998 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion: 83 Resp: 85488
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.9
 127 8.7 7.2 10.8



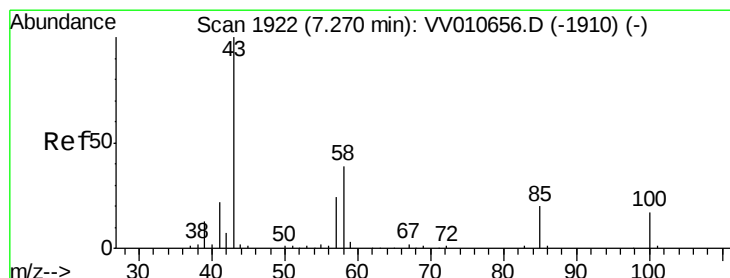
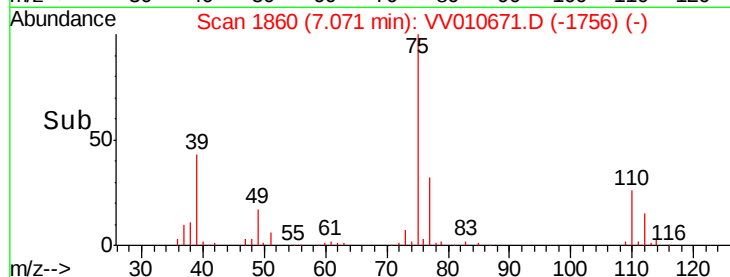
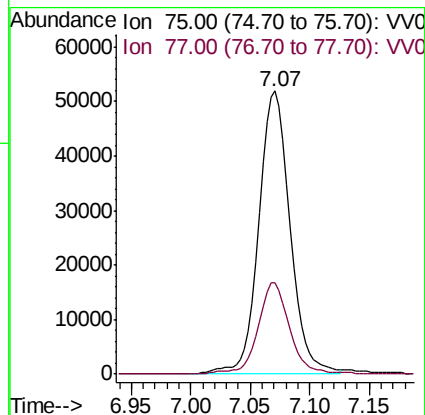
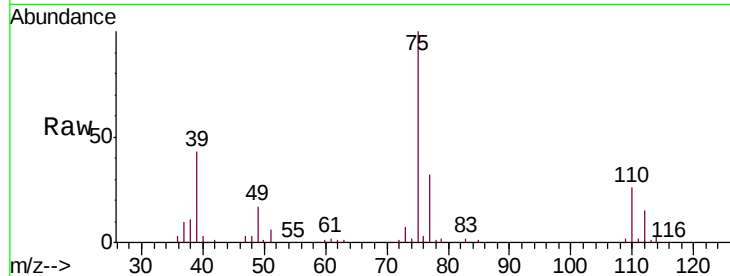


#42

cis-1,3-Dichloropropene
Concen: 28.223 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

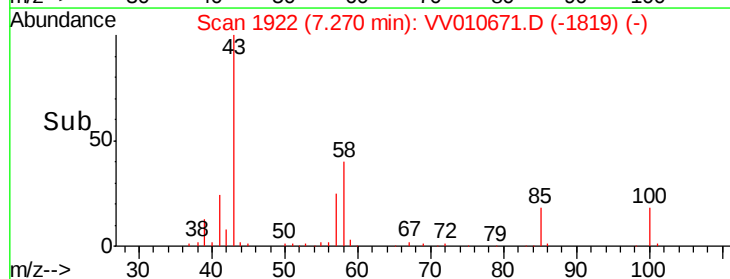
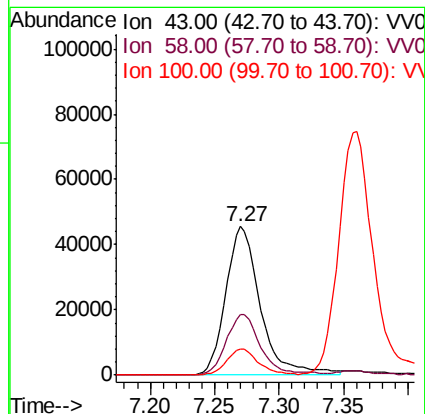
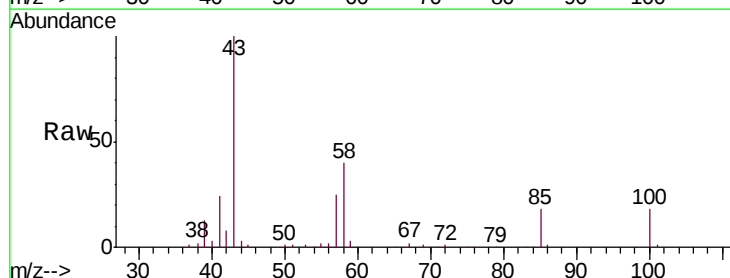
Tgt Ion: 75 Resp: 95198
Ion Ratio Lower Upper
75 100
77 32.2 21.8 40.4

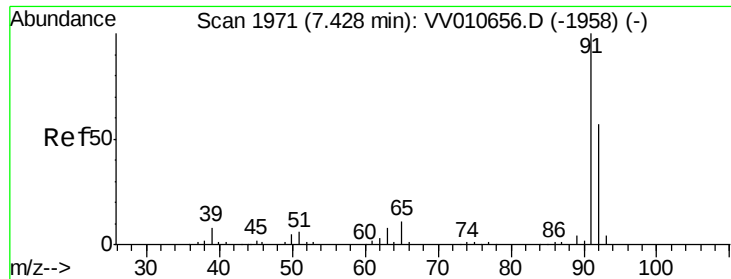


#43

4-Methyl-2-pentanone
Concen: 52.278 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion: 43 Resp: 84881
Ion Ratio Lower Upper
43 100
58 40.3 29.6 44.4
100 16.1 11.2 16.8





#44

Toluene

Concen: 26.718 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

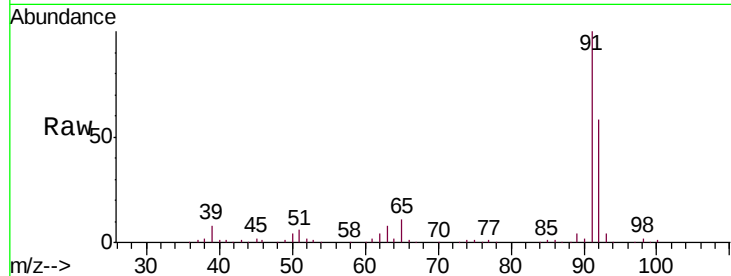
VSTD02583

Tgt Ion: 91 Resp: 261433

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010656.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010656.D (-1958) (-)

7.43

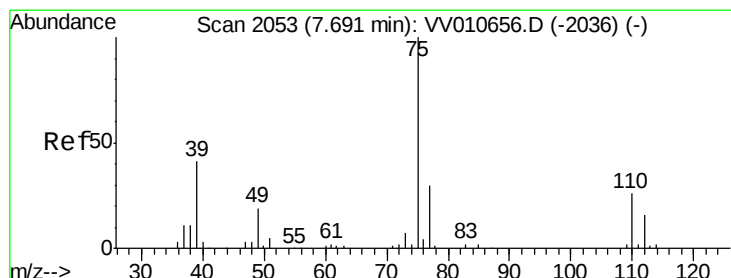
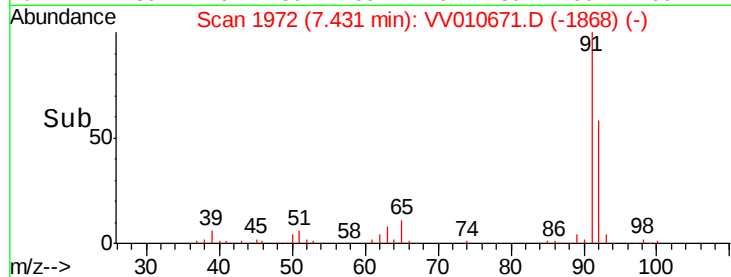
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.091 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010671.D

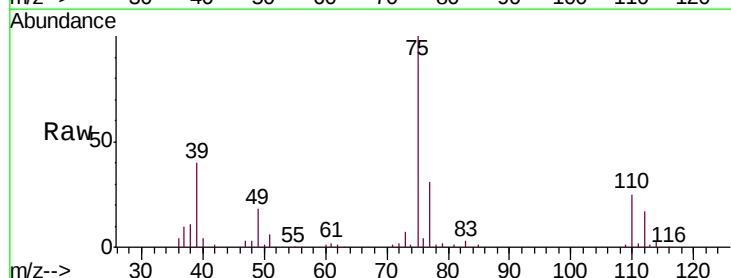
Acq: 03 May 2019 23:12

Tgt Ion: 75 Resp: 79744

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV010656.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010656.D (-2036) (-)

7.69

50000

40000

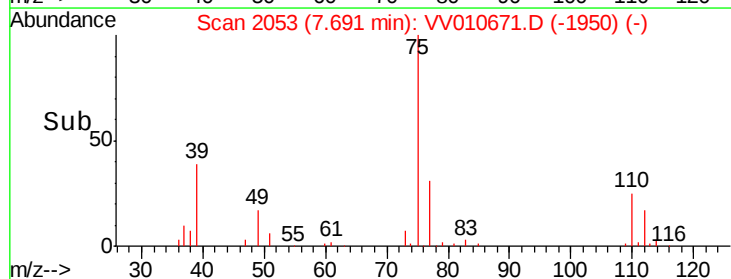
30000

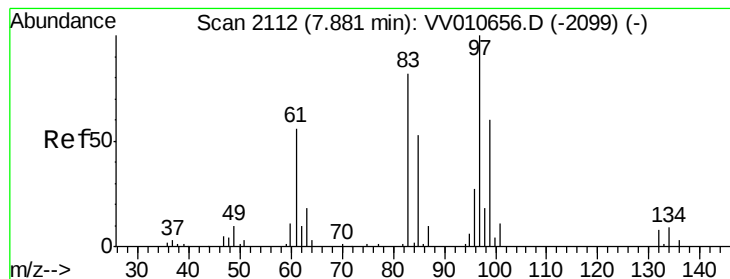
20000

10000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 28.167 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

Tgt Ion: 97 Resp: 54237

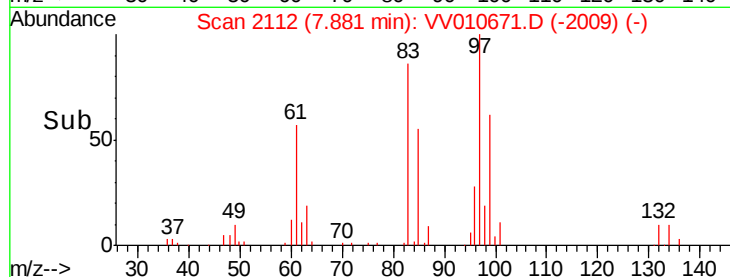
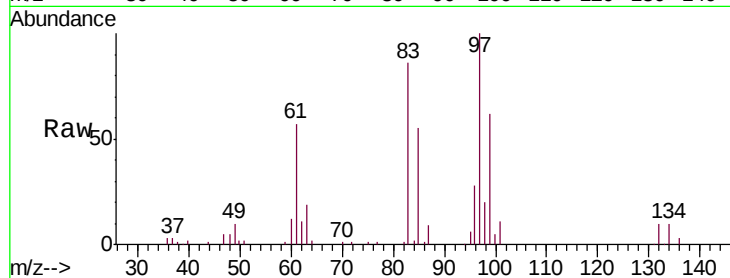
Ion Ratio Lower Upper

97 100

83 86.4 62.1 115.3

85 54.9 39.8 74.0

99 61.8 44.2 82.0

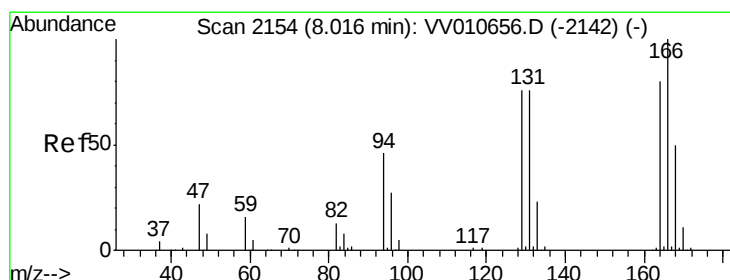
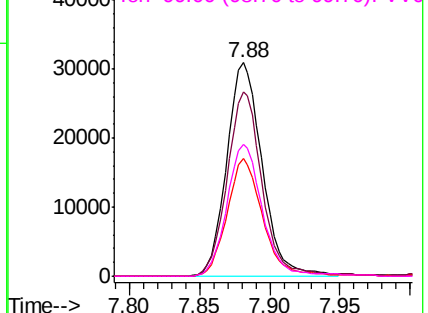


Abundance Ion 97.00 (96.70 to 97.70): VV010671.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010671.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV010671.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010671.D (-2099) (-)



#47

Tetrachloroethene

Concen: 23.736 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Tgt Ion: 164 Resp: 46791

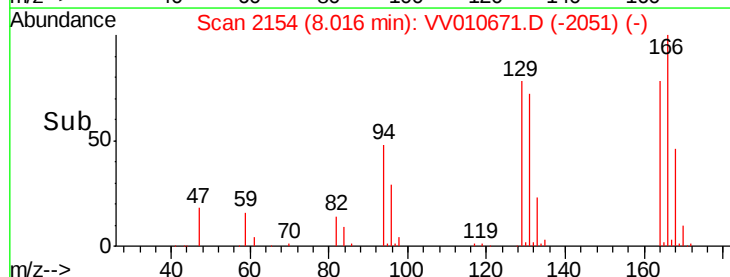
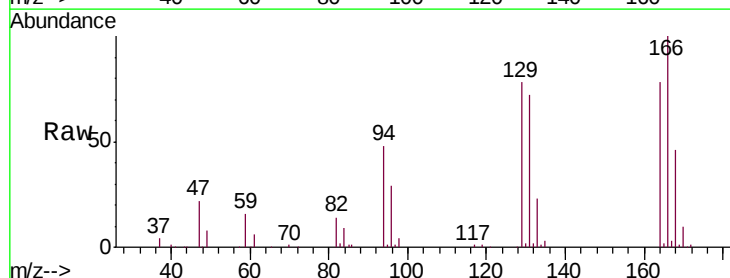
Ion Ratio Lower Upper

164 100

129 100.7 67.5 125.4

131 93.3 65.1 120.9

166 128.9 86.0 159.6

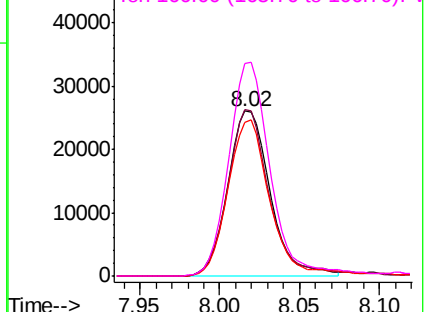


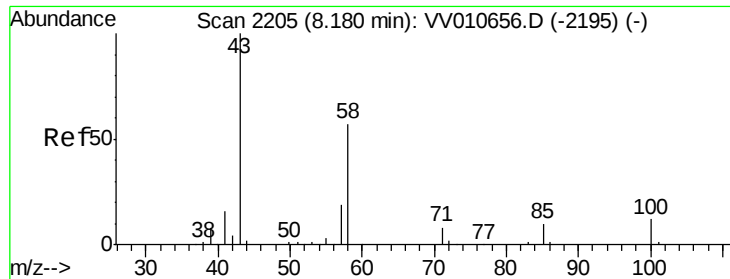
Abundance Ion 164.00 (163.70 to 164.70): VV010671.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV010671.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV010671.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV010671.D (-2051) (-)

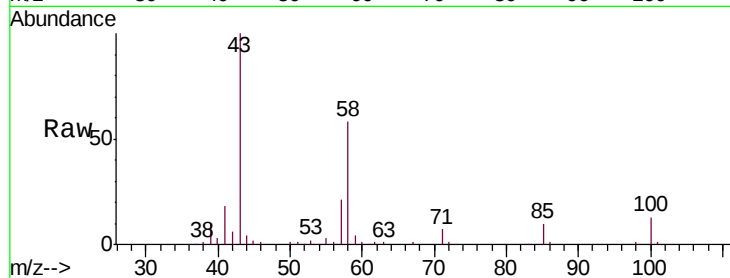




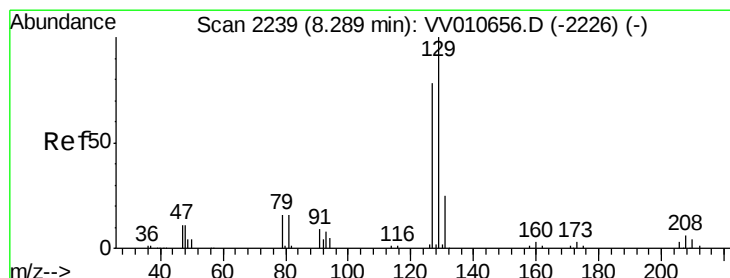
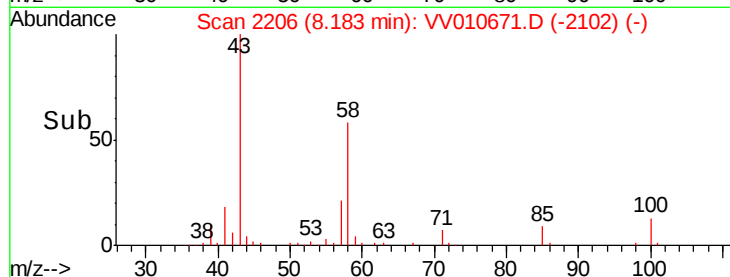
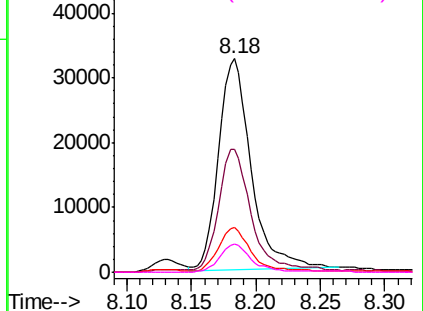
#49
2-Hexanone
Concen: 47.430 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Tgt Ion: 43 Resp: 57248
Ion Ratio Lower Upper
43 100
58 58.7 42.5 63.7
57 20.9 14.4 21.6
100 12.8 10.0 15.0

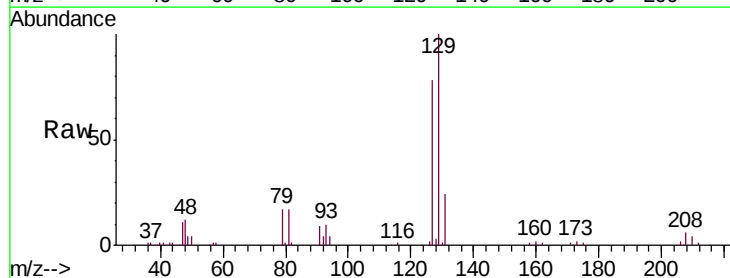


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

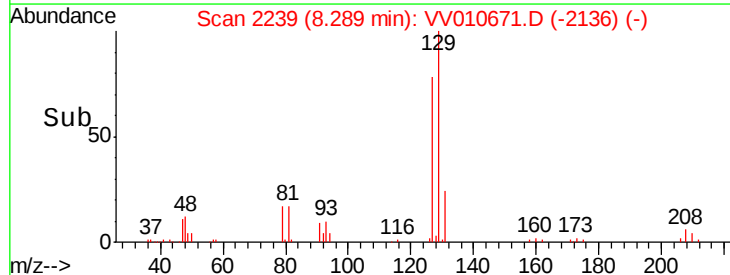
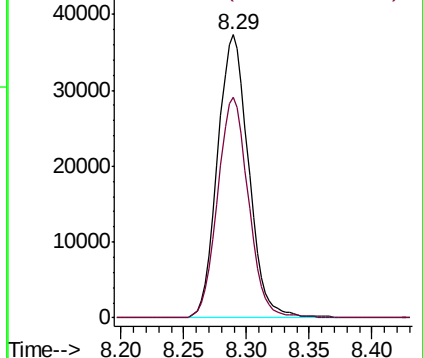


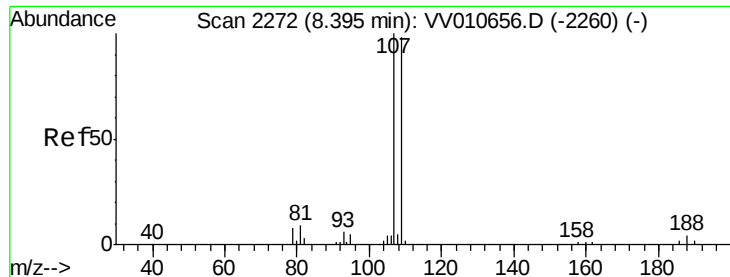
#50
Dibromochloromethane
Concen: 28.160 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion: 129 Resp: 64306
Ion Ratio Lower Upper
129 100
127 77.9 53.9 100.1



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

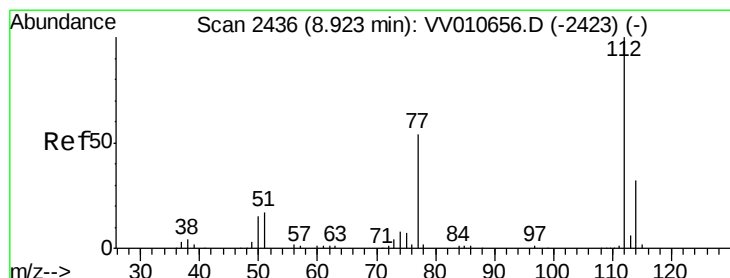
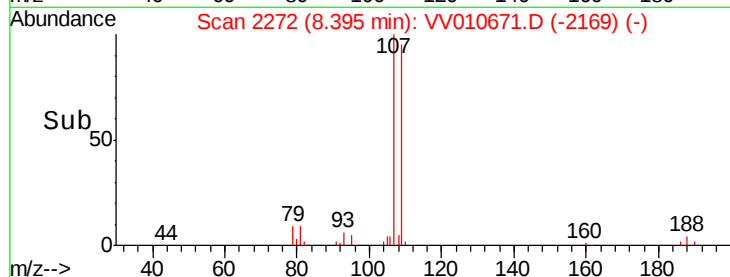
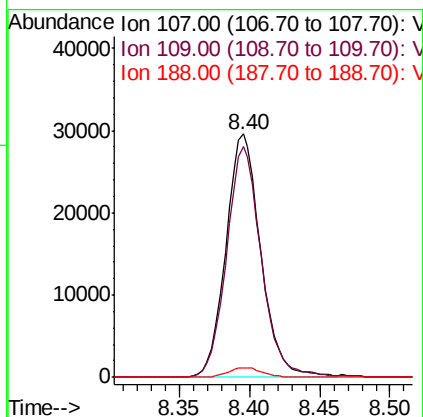
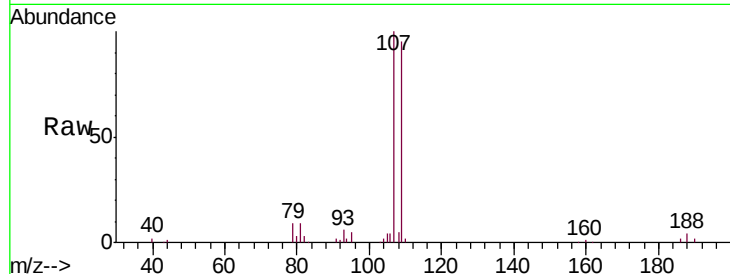




#51
 1,2-Dibromoethane
 Concen: 27.473 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

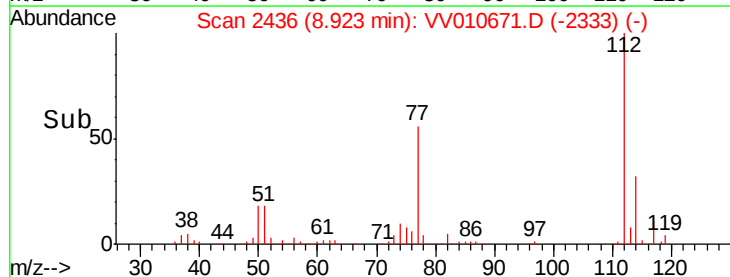
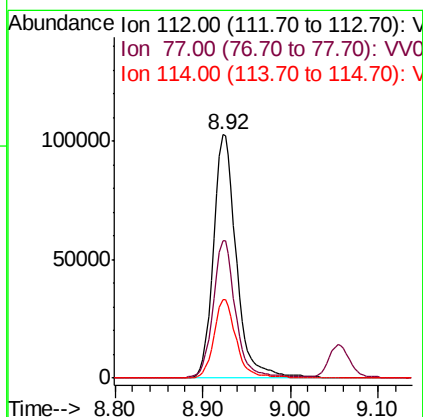
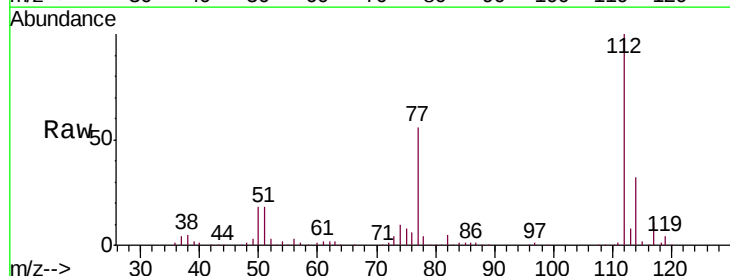
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

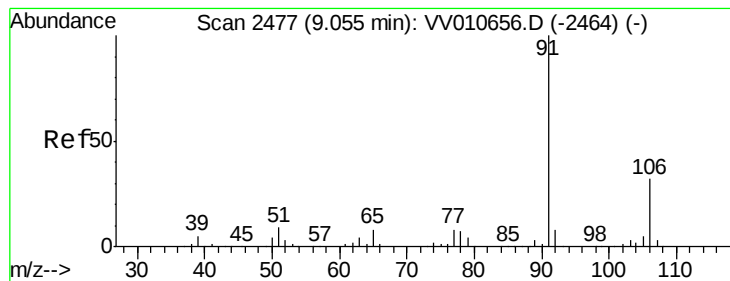
Tgt Ion:107 Resp: 51025
 Ion Ratio Lower Upper
 107 100
 109 94.8 68.7 127.7
 188 3.7 3.0 4.4



#52
 Chlorobenzene
 Concen: 27.381 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion:112 Resp: 186984
 Ion Ratio Lower Upper
 112 100
 77 56.4 44.5 66.7
 114 32.4 22.5 41.7





#53

Ethylbenzene

Concen: 26.412 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

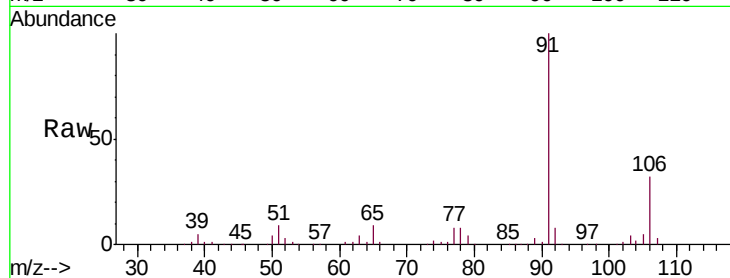
VSTD02583

Tgt Ion: 91 Resp: 292293

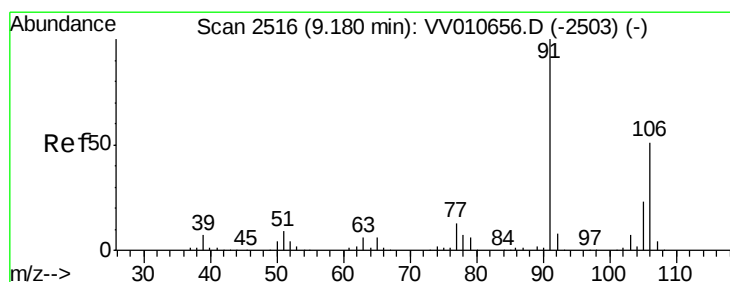
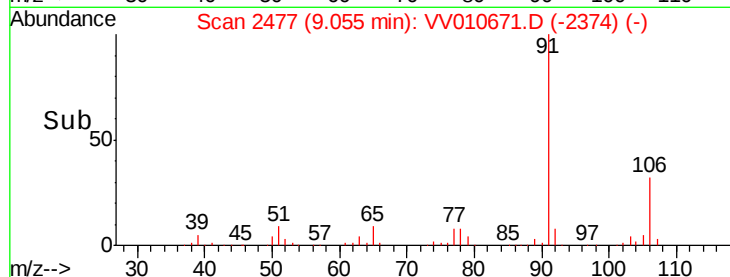
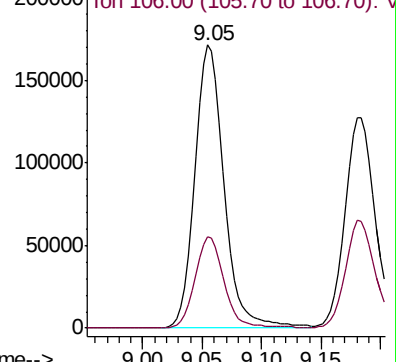
Ion Ratio Lower Upper

91 100

106 32.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VV010671.D (-2374) (-)



#54

m,p-Xylene

Concen: 27.608 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010671.D

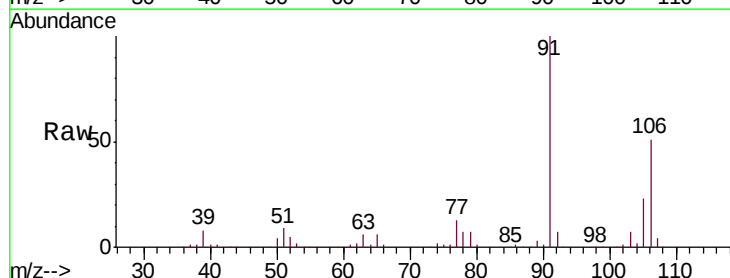
Acq: 03 May 2019 23:12

Tgt Ion: 106 Resp: 115770

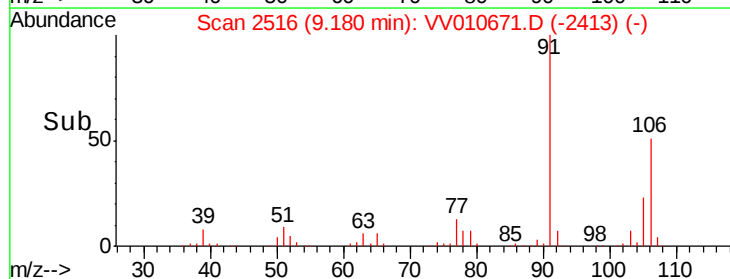
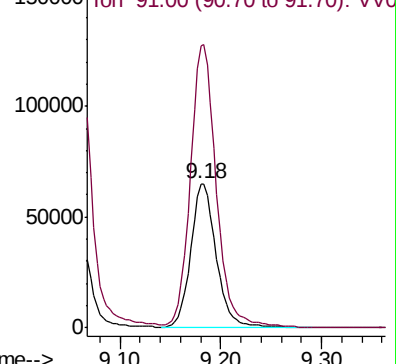
Ion Ratio Lower Upper

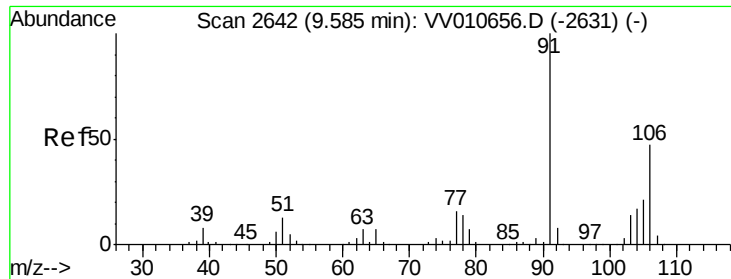
106 100

91 195.2 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): VV010671.D (-2413) (-)

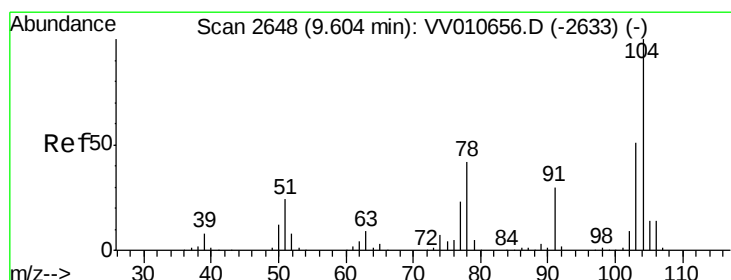
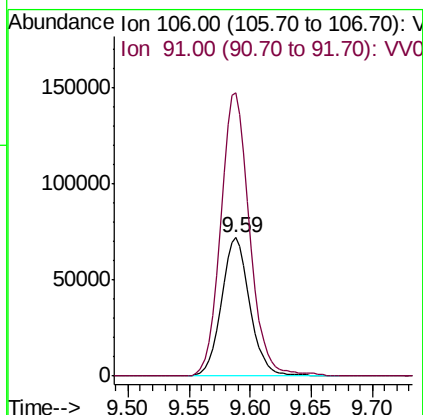
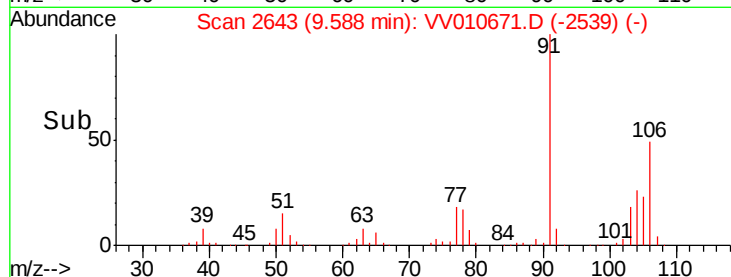
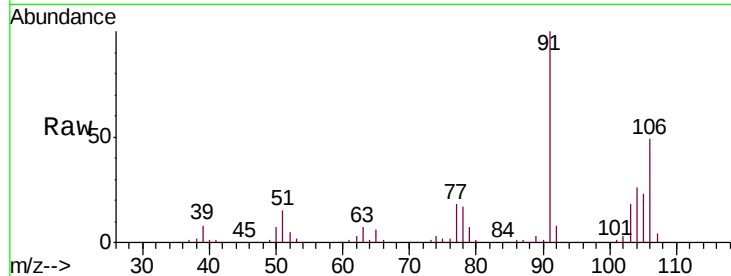




#55
o-xylene
Concen: 28.844 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

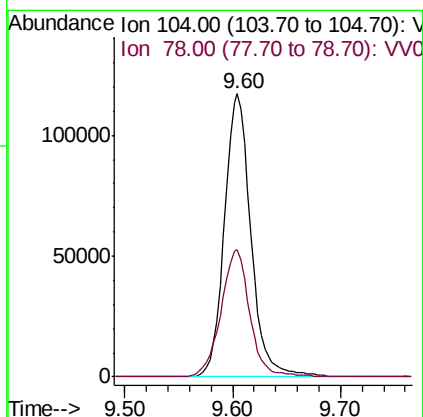
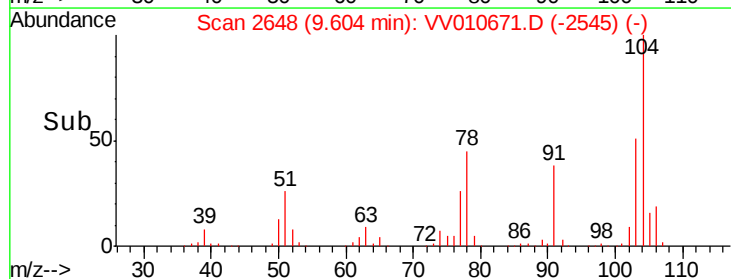
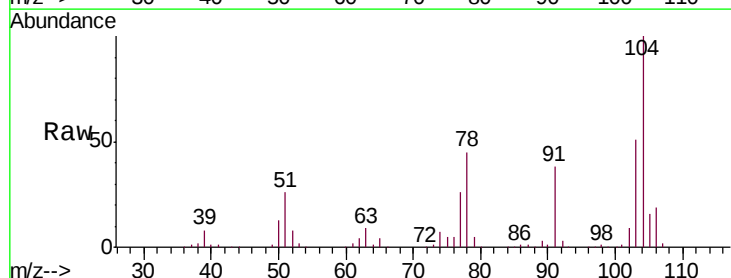
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

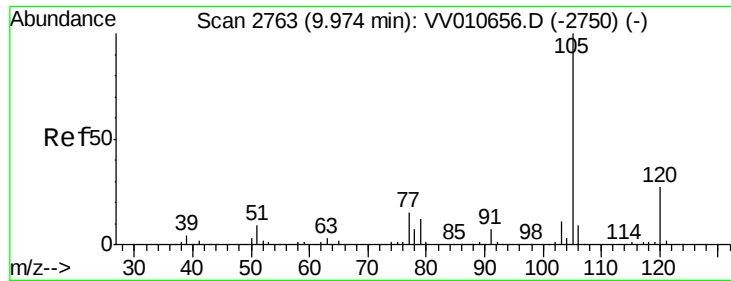
Tgt Ion:106 Resp: 118166
Ion Ratio Lower Upper
106 100
91 204.9 147.3 273.5



#56
Styrene
Concen: 28.803 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010671.D
Acq: 03 May 2019 23:12

Tgt Ion:104 Resp: 200266
Ion Ratio Lower Upper
104 100
78 44.9 30.4 56.5





#57

Isopropylbenzene

Concen: 27.344 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

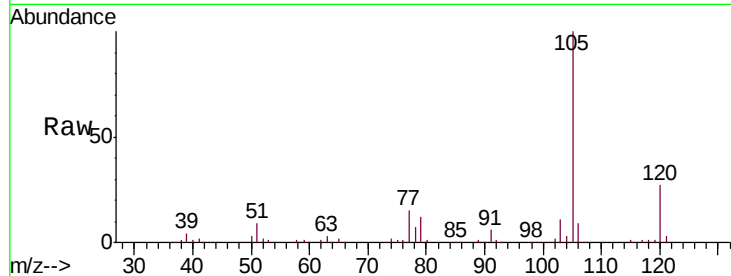
Tgt Ion: 105 Resp: 293966

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

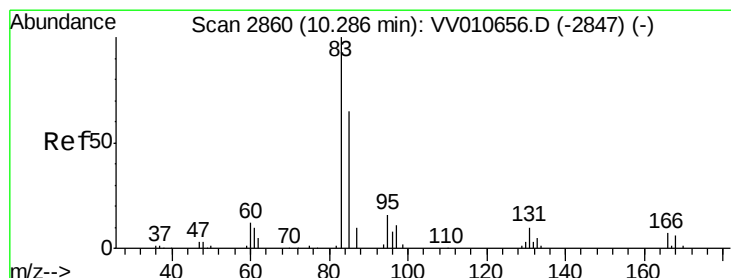
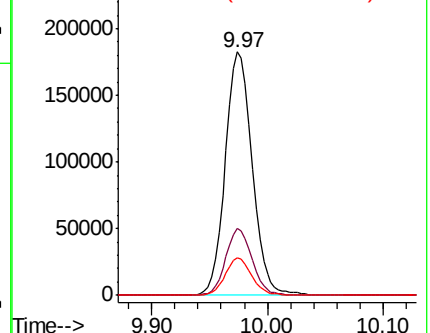
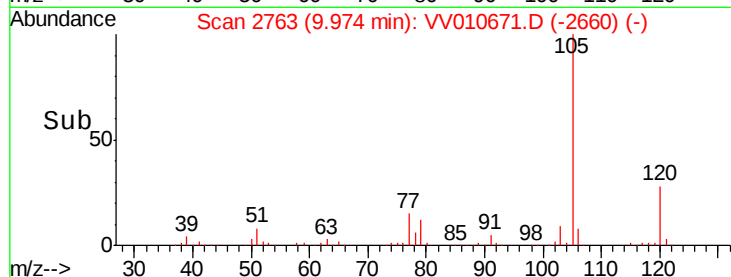
77 15.1 12.3 18.5



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: 27.015 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

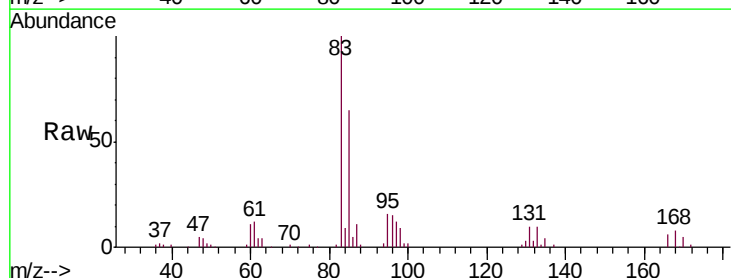
Tgt Ion: 83 Resp: 64893

Ion Ratio Lower Upper

83 100

85 64.5 46.5 86.3

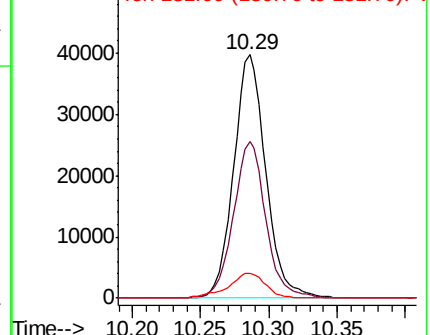
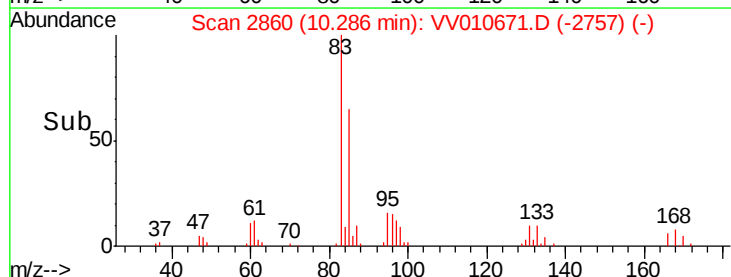
131 10.2 8.4 12.6

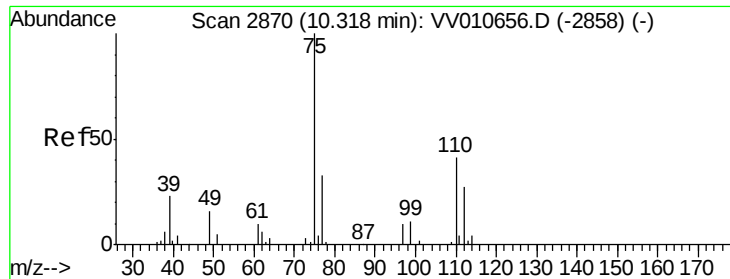


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.769 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

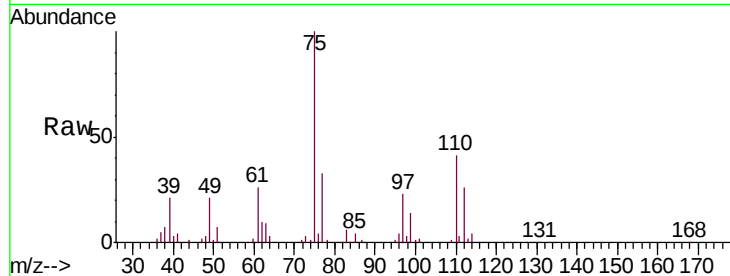
VSTD02583

Tgt Ion: 75 Resp: 48373

Ion Ratio Lower Upper

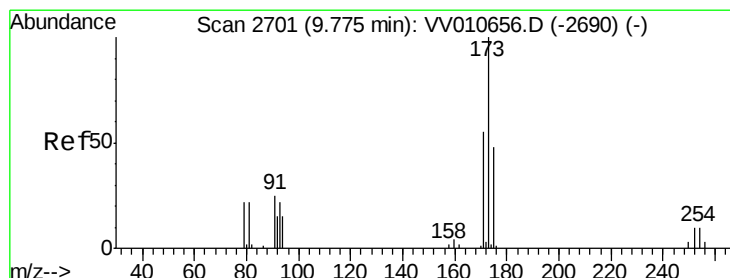
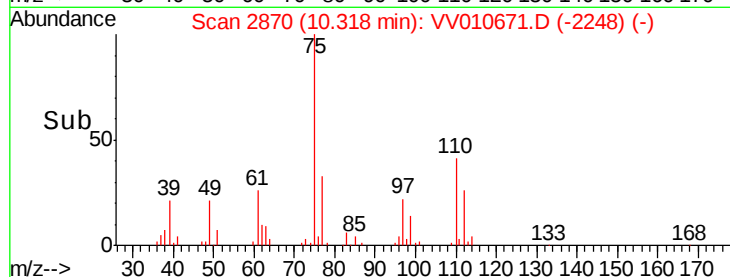
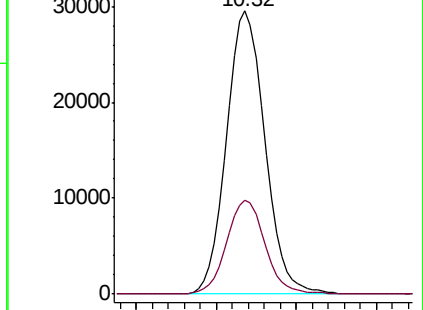
75 100

77 32.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV010656.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010656.D (-2858) (-)



#62

Bromoform

Concen: 28.129 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

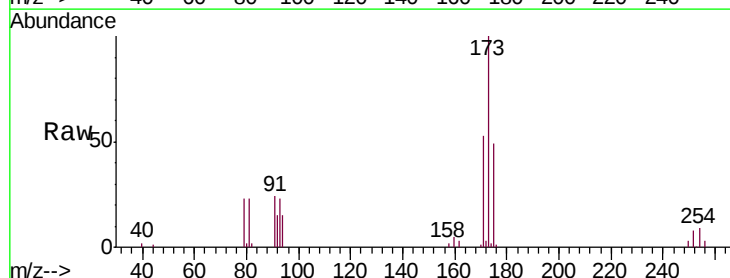
Tgt Ion: 173 Resp: 35928

Ion Ratio Lower Upper

173 100

175 47.0 37.9 56.9

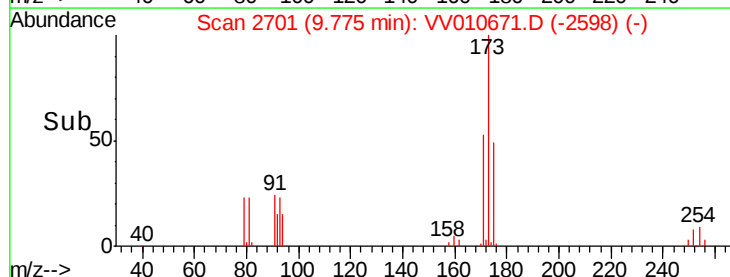
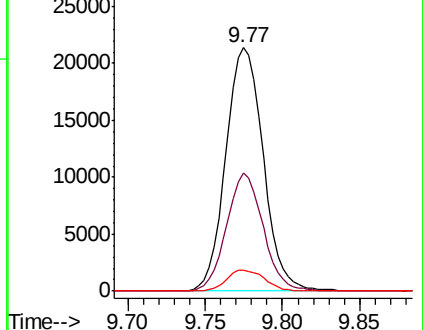
254 8.5 5.9 8.9

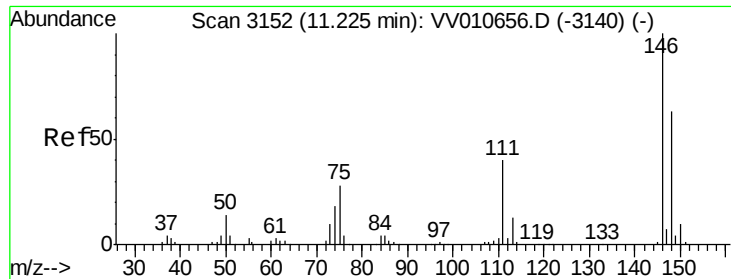


Abundance Ion 173.00 (172.70 to 173.70): VV010656.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV010656.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV010656.D (-2690) (-)

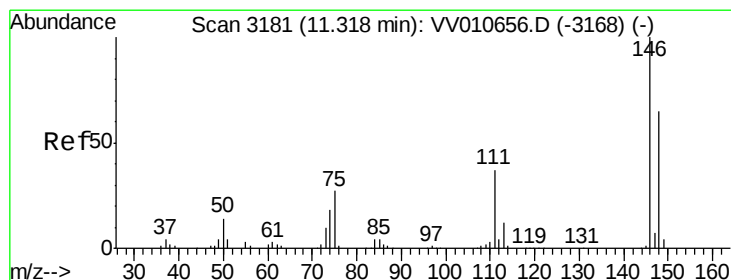
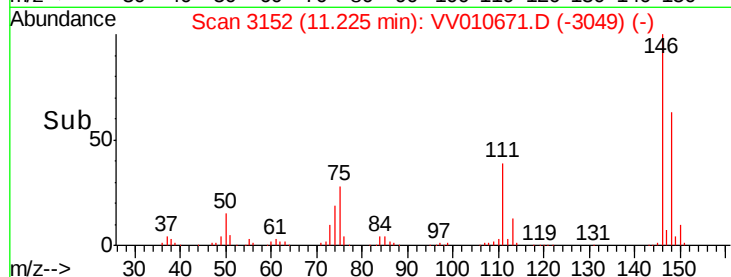
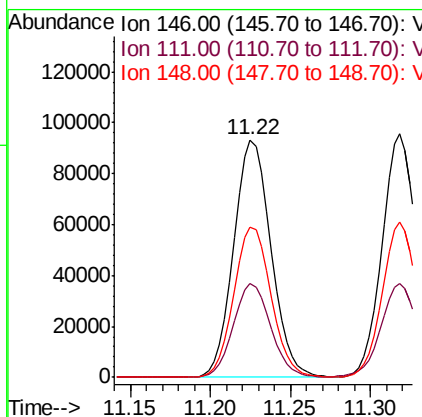
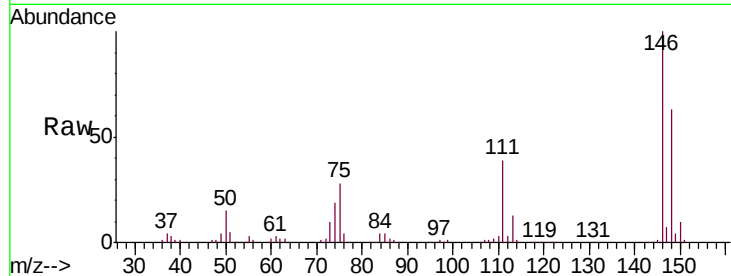




#63
 1,3-Dichlorobenzene
 Concen: 28.496 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

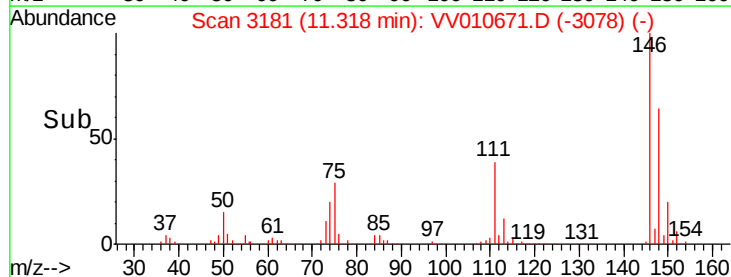
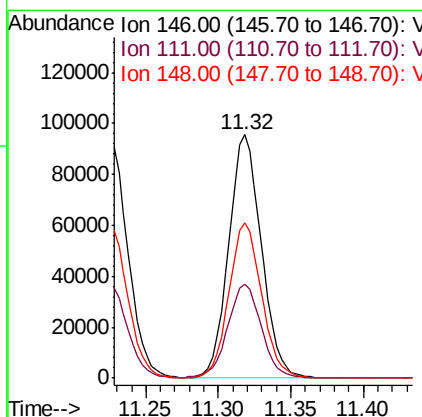
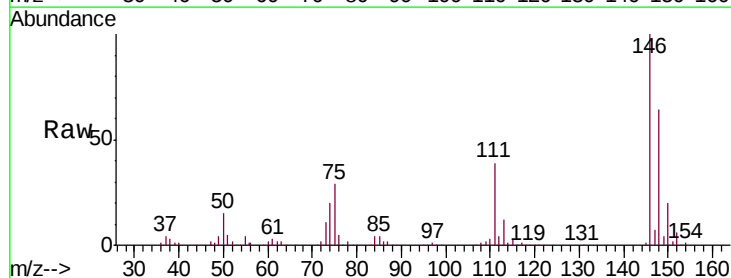
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

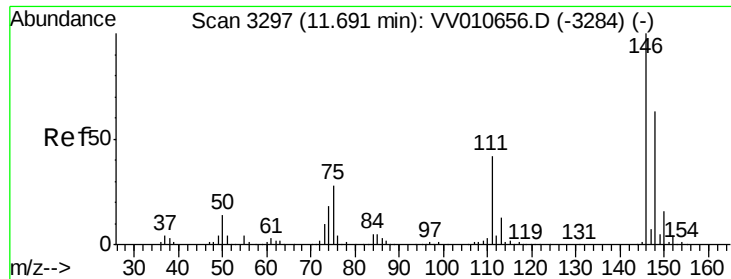
Tgt Ion:146 Resp: 148091
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.3 52.7
 148 63.3 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 27.548 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion:146 Resp: 149501
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.6 51.4
 148 63.5 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 28.263 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

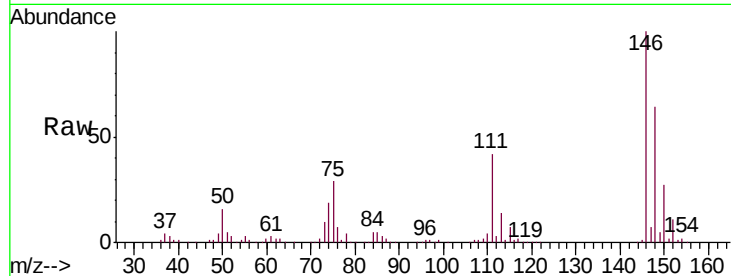
Tgt Ion:146 Resp: 145009

Ion Ratio Lower Upper

146 100

111 41.8 32.7 49.1

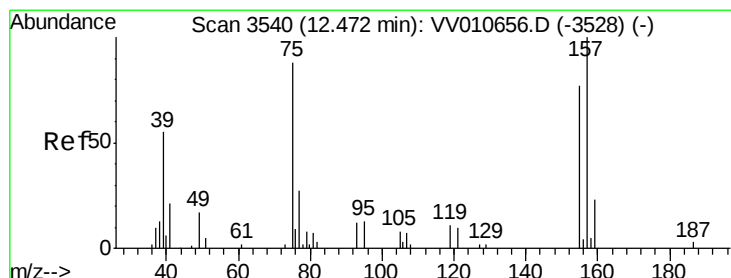
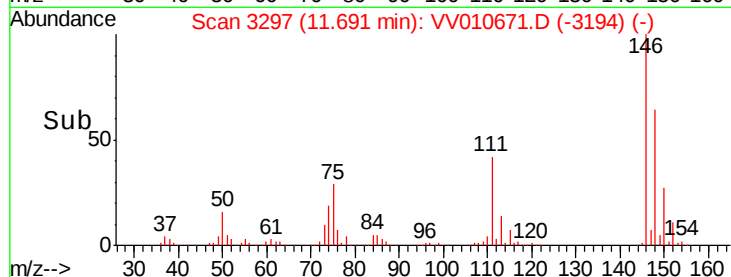
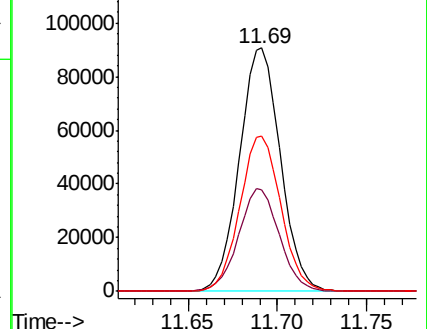
148 63.9 51.0 76.6



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: 27.273 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

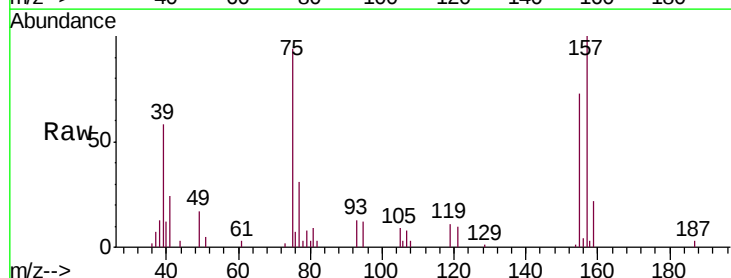
Tgt Ion: 75 Resp: 10291

Ion Ratio Lower Upper

75 100

157 106.9 91.1 136.7

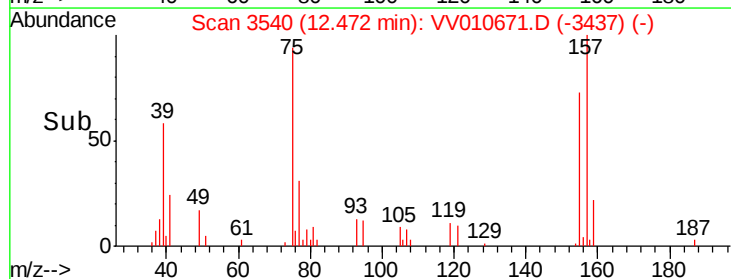
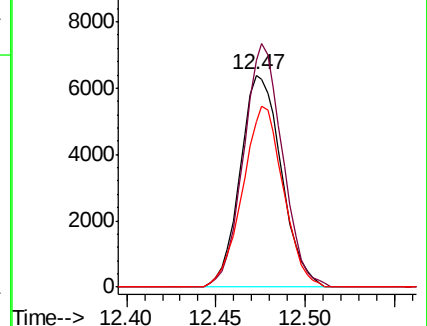
155 78.4 61.0 91.6

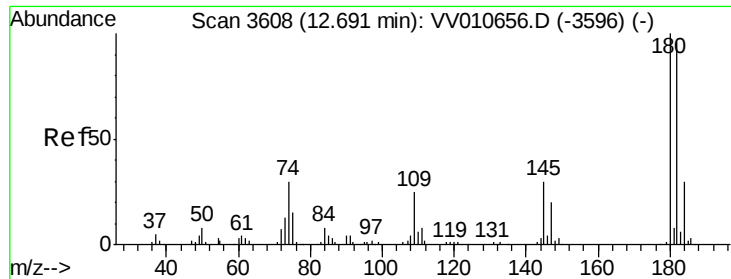


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

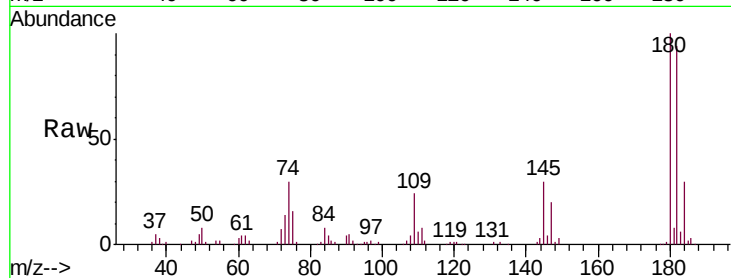




#67
 1,3,5-Trichlorobenzene
 Concen: 26.521 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.2	112.8
184	29.9	23.8	35.6
145	30.5	24.5	36.7



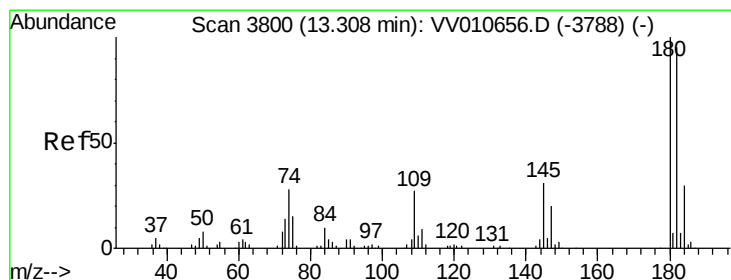
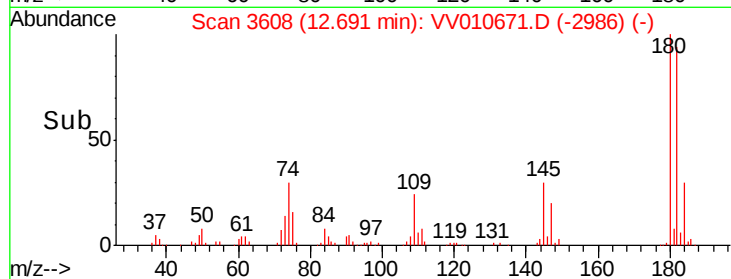
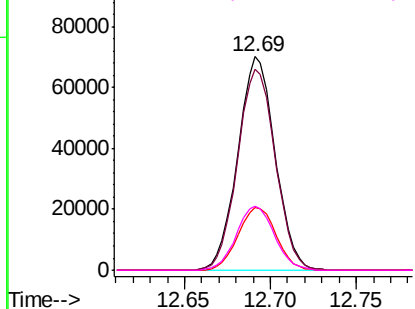
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

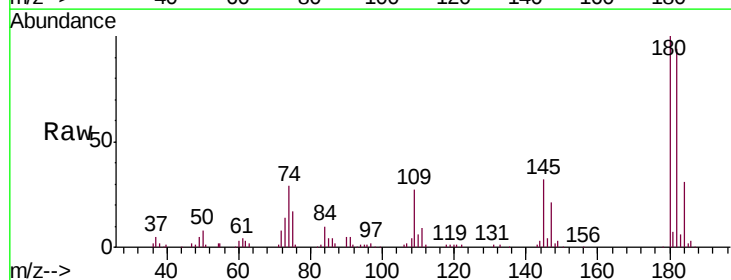
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.027 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010671.D
 Acq: 03 May 2019 23:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
145	31.2	26.0	39.0

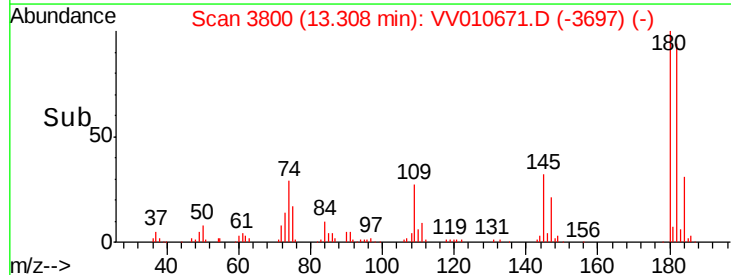
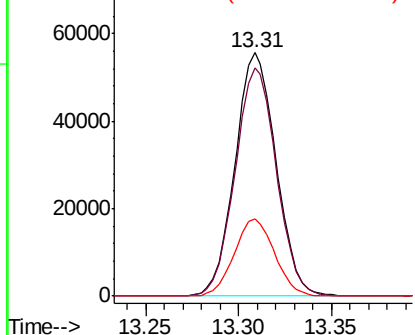


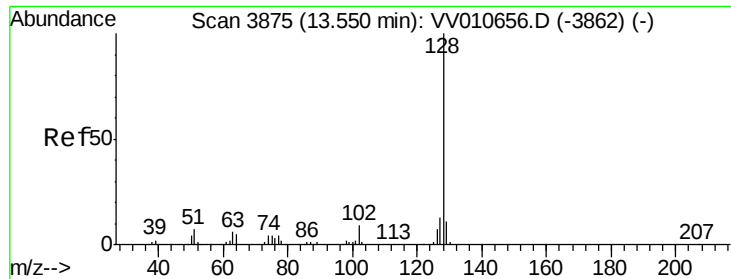
Abundance

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: 29.606 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

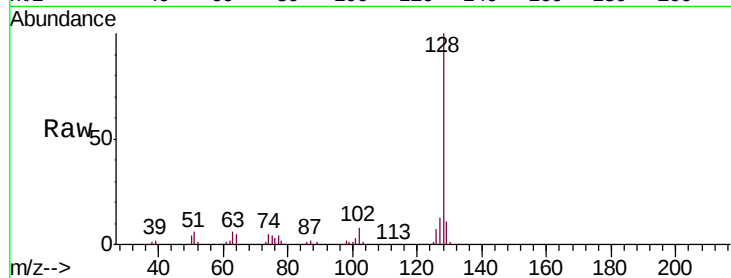
Tgt Ion:128 Resp: 172339

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

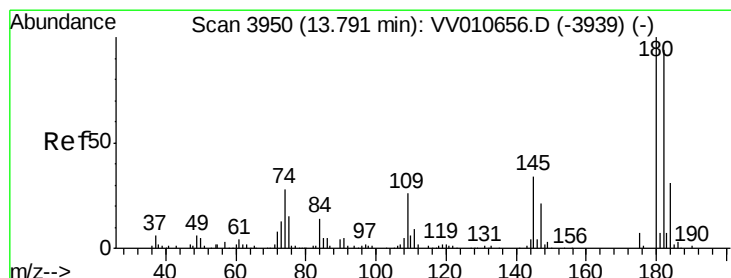
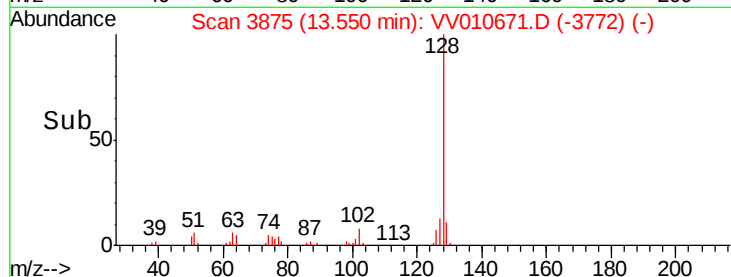
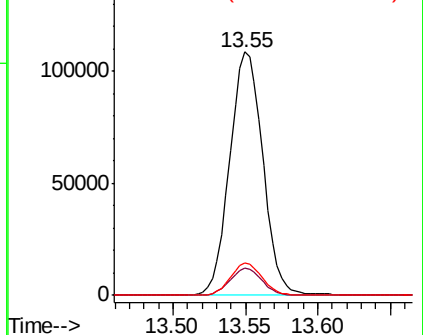
127 12.7 10.6 15.8



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: 29.387 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010671.D

Acq: 03 May 2019 23:12

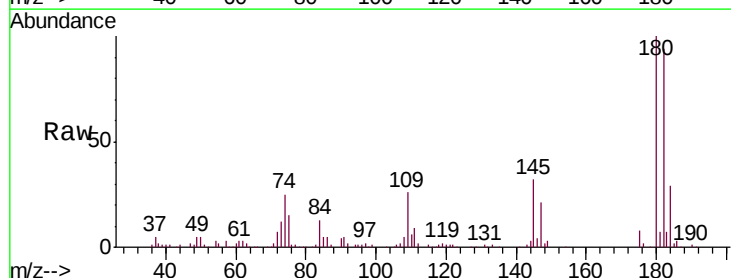
Tgt Ion:180 Resp: 84388

Ion Ratio Lower Upper

180 100

182 94.7 79.0 118.6

145 32.2 28.2 42.4



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

