

Data File : VV012965.D
Acq On : 24 Sep 2019 18:05
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Quant Time: Sep 25 02:00:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 01:56:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	806416	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	790941	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	432146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	279650	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.40%
7) Chloroethane-d5	1.58	69	226801	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.13	63	476909	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.68%
20) 2-Butanone-d5	3.95	46	220566	51.05	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.10%
24) Chloroform-d	4.40	84	511709	23.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	291550	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.56%
29) Benzene-d6	5.10	84	1048145	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.12	67	323996	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.64%
37) Toluene-d8	7.36	98	997251	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	7.66	79	139767	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	8.13	63	158061	56.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	317659	24.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	393612	23.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	256804	28.916 ug/L	98
3) Chloromethane	1.25	50	294637	25.404 ug/L	99
5) Vinyl chloride	1.32	62	303412	26.498 ug/L	100
6) Bromomethane	1.54	94	179706	25.141 ug/L	99
8) Chloroethane	1.60	64	180294	25.624 ug/L	99
9) Trichlorofluoromethane	1.77	101	398194	25.712 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	251697	25.428 ug/L	99
12) 1,1-Dichloroethene	2.14	96	231714	25.419 ug/L	99
13) Acetone	2.21	43	204655	44.569 ug/L	98
14) Carbon disulfide	2.32	76	721975	24.794 ug/L	100
15) Methyl Acetate	2.47	43	176470	24.778 ug/L	100
16) Methylene chloride	2.53	84	299873	24.879 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	694444	25.963 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	274344	25.425 ug/L	100
19) 1,1-Dichloroethane	3.23	63	497727	25.277 ug/L	100
21) 2-Butanone	4.03	43	253242	47.389 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	298458	25.273 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145330	24.915	ug/L	99
25) Chloroform	4.42	83	508261	24.618	ug/L	100
27) 1,2-Dichloroethane	5.18	62	360520	24.706	ug/L	98
30) Cyclohexane	4.72	56	461378	27.190	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	403831	25.797	ug/L	99
32) Carbon tetrachloride	4.87	117	365440	25.746	ug/L	100
34) Benzene	5.14	78	1150691	26.136	ug/L	100
35) Trichloroethene	5.96	95	308632	25.164	ug/L	99
36) Methylcyclohexane	6.17	83	508866	27.027	ug/L	100
40) 1,2-Dichloropropane	6.22	63	297757	26.007	ug/L	99
41) Bromodichloromethane	6.55	83	368913	25.156	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	448729	26.673	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	498759	53.023	ug/L	99
44) Toluene	7.43	91	1249416	26.907	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	369331	26.085	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	244890	25.195	ug/L	99
47) Tetrachloroethene	8.02	164	261159	26.199	ug/L	99
49) 2-Hexanone	8.18	43	373023	52.608	ug/L	98
50) Dibromochloromethane	8.29	129	280394	25.099	ug/L	100
51) 1,2-Dibromoethane	8.39	107	243659	25.581	ug/L	98
52) Chlorobenzene	8.92	112	818600	25.546	ug/L	98
53) Ethylbenzene	9.05	91	1392950	27.245	ug/L	99
54) m,p-Xylene	9.18	106	535505	27.551	ug/L	99
55) o-xylene	9.59	106	514184	27.765	ug/L	99
56) Styrene	9.60	104	907899	27.863	ug/L	100
57) Isopropylbenzene	9.97	105	1375859	28.269	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	312526	25.993	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	246193	24.808	ug/L	99
62) Bromoform	9.77	173	180380	24.598	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	687656	25.851	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	695109	24.898	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	651167	25.664	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	55123	24.505	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	543133	26.102	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	478868	26.318	ug/L	100
69) Naphthalene	13.55	128	1007442	27.528	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	464585	26.557	ug/L	99

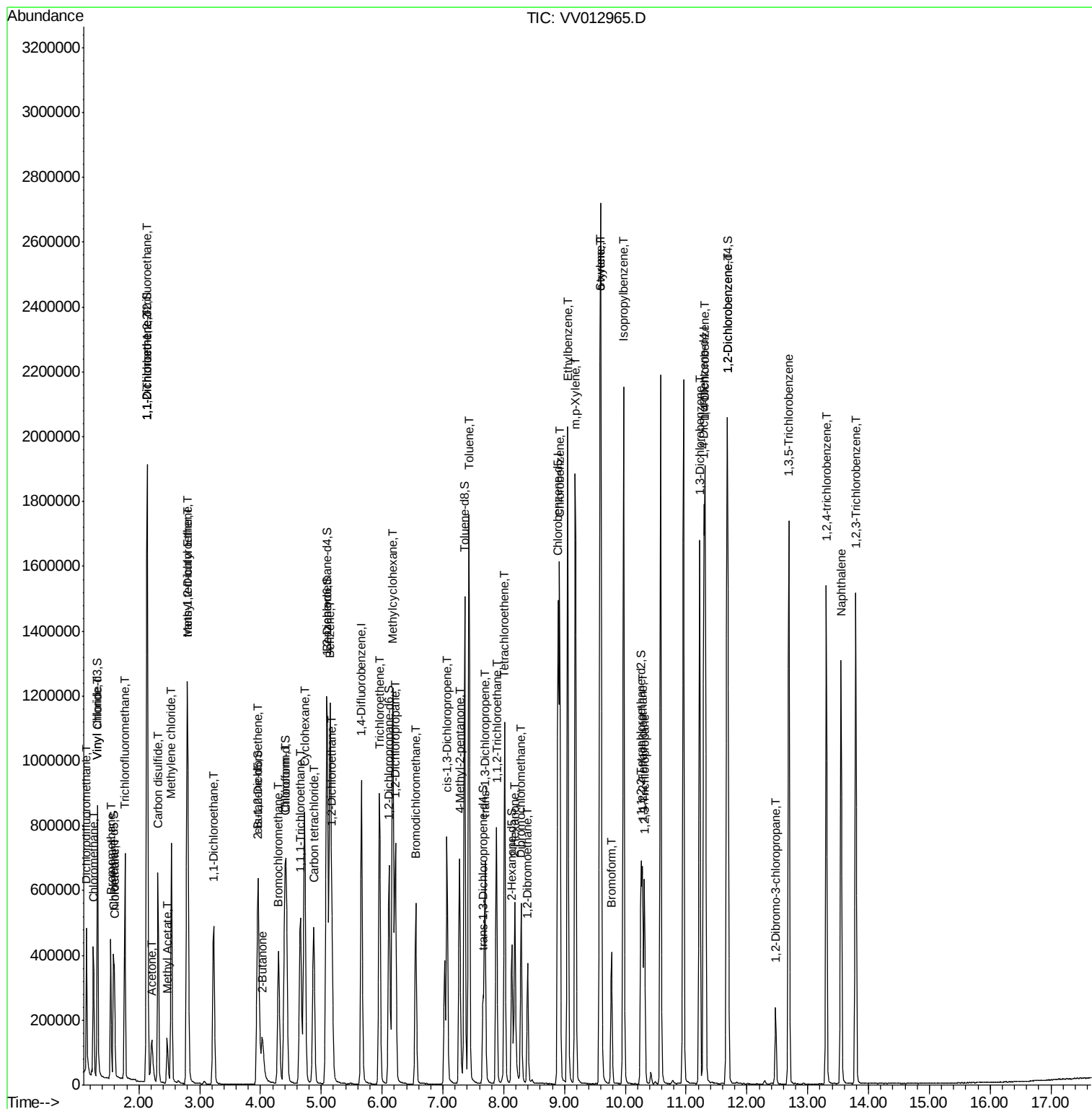
(#) = qualifier out of range (m) = manual integration (+) = signals summed

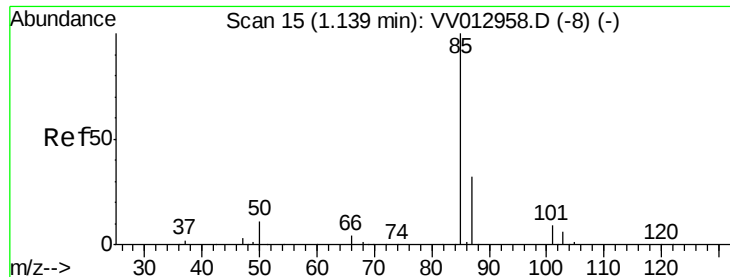
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#2

Dichlorodifluoromethane

Concen: 28.916 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

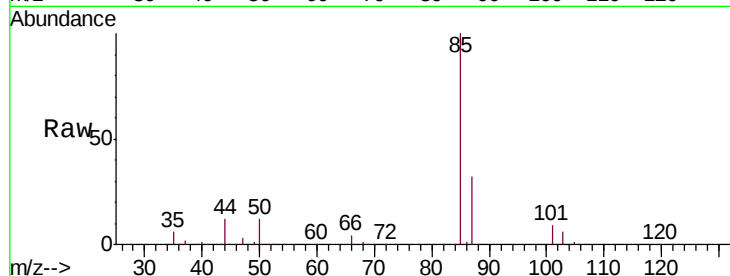
VSTD02570

Tgt Ion: 85 Resp: 256804

Ion Ratio Lower Upper

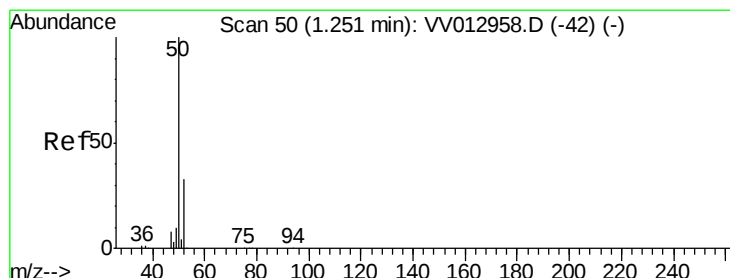
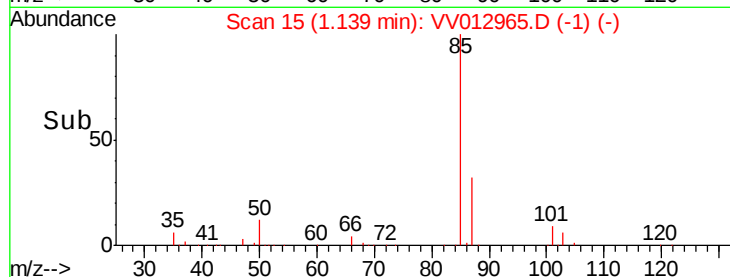
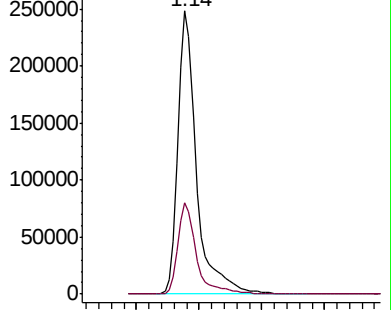
85 100

87 32.2 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV012958.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012958.D (-8) (-)



#3

Chloromethane

Concen: 25.404 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012965.D

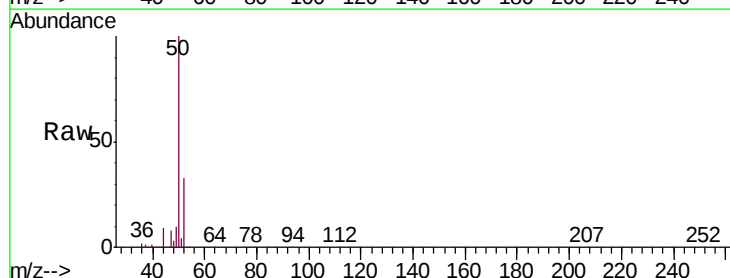
Acq: 24 Sep 2019 18:05

Tgt Ion: 50 Resp: 294637

Ion Ratio Lower Upper

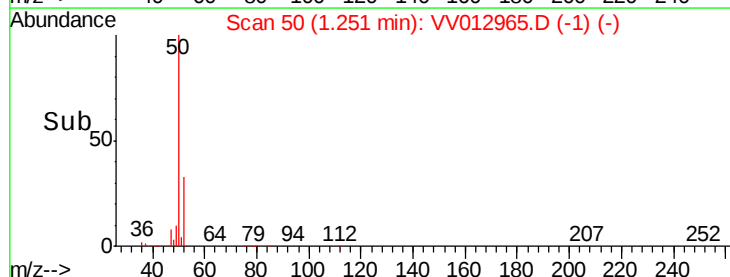
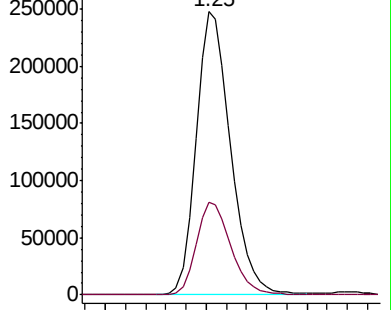
50 100

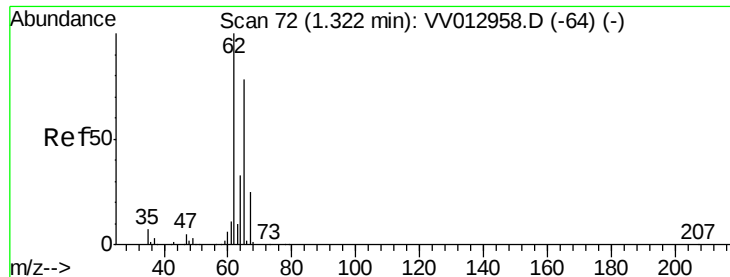
52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV012958.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV012958.D (-42) (-)





#5

Vinyl chloride

Concen: 26.498 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

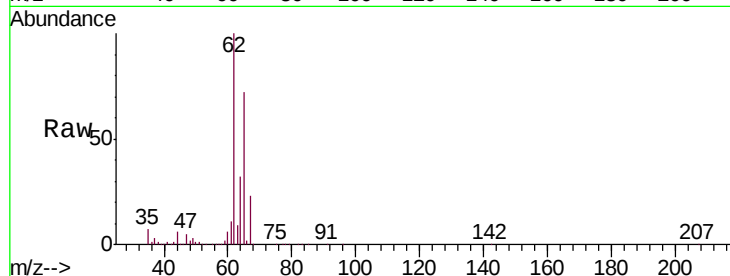
VSTD02570

Tgt Ion: 62 Resp: 303412

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV012958.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012958.D (-64) (-)

1.32

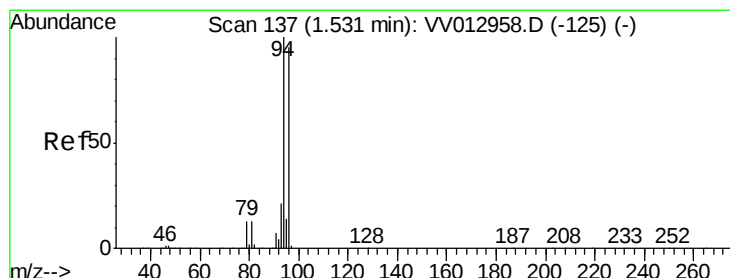
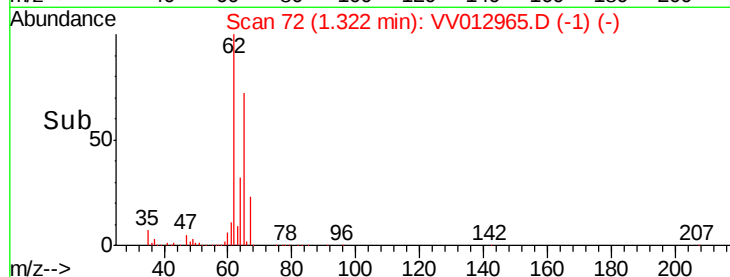
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 25.141 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV012965.D

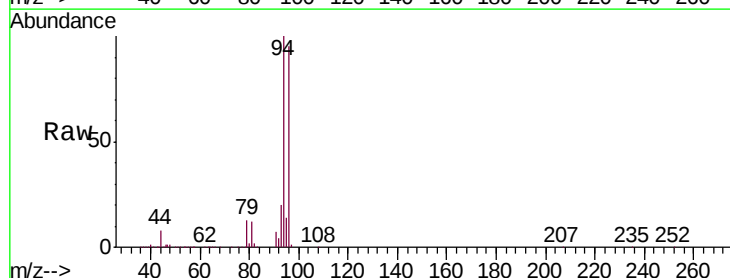
Acq: 24 Sep 2019 18:05

Tgt Ion: 94 Resp: 179706

Ion Ratio Lower Upper

94 100

96 94.5 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV012958.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV012958.D (-125) (-)

1.54

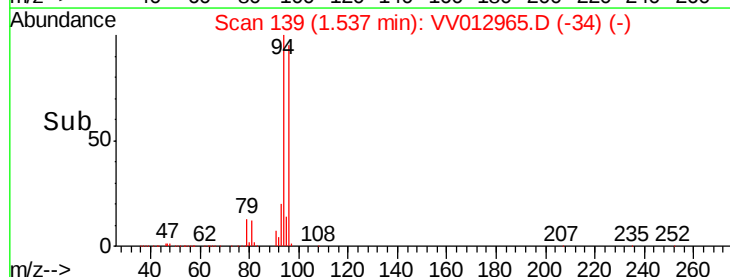
150000

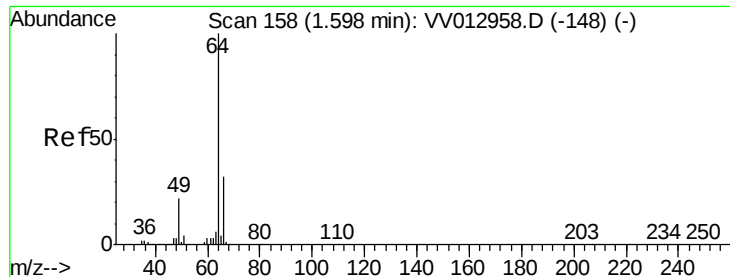
100000

50000

0

Time-->





#8

Chloroethane

Concen: 25.624 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

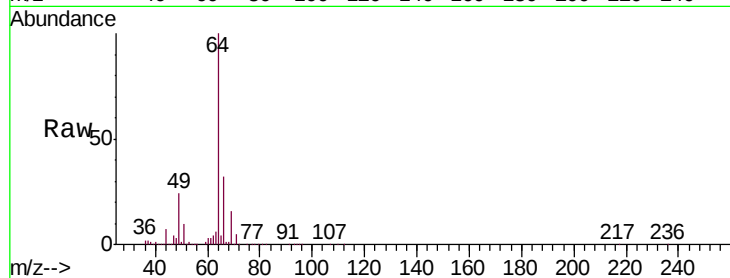
VSTD02570

Tgt Ion: 64 Resp: 180294

Ion Ratio Lower Upper

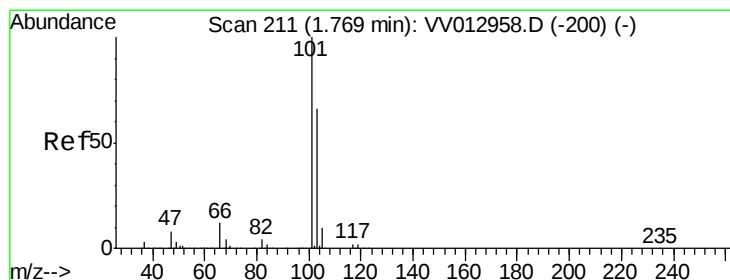
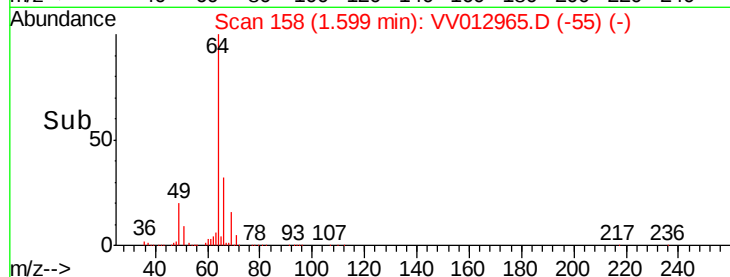
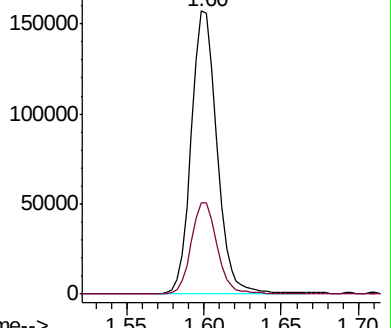
64 100

66 32.4 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV012958.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV012958.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 25.712 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012965.D

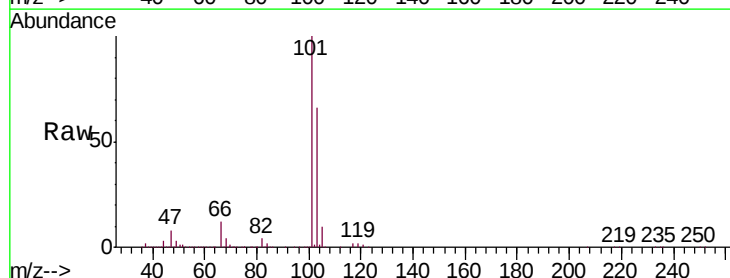
Acq: 24 Sep 2019 18:05

Tgt Ion: 101 Resp: 398194

Ion Ratio Lower Upper

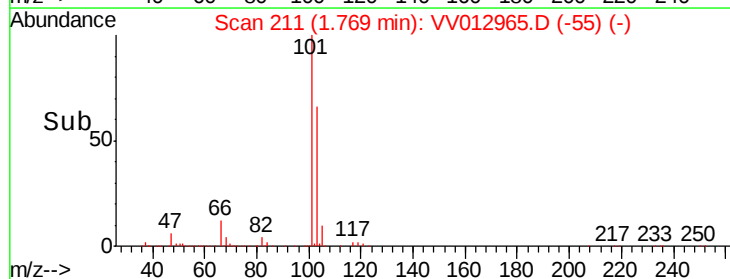
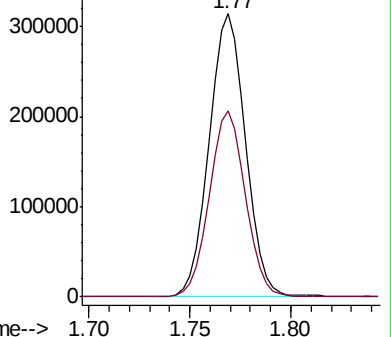
101 100

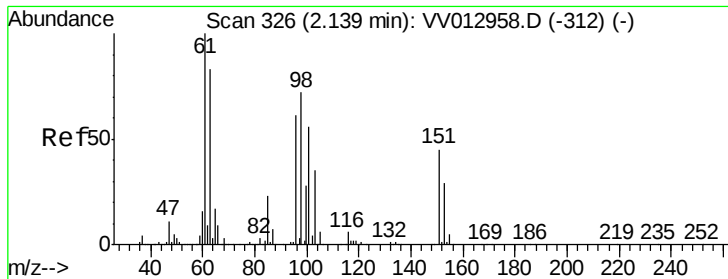
103 65.1 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV012958.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012958.D (-200) (-)





#11

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

Concen: 25.428 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

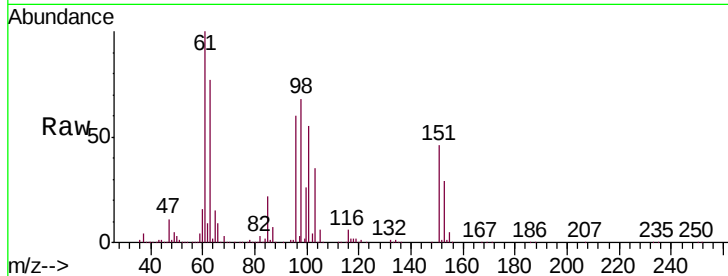
Tgt Ion: 101 Resp: 251697

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

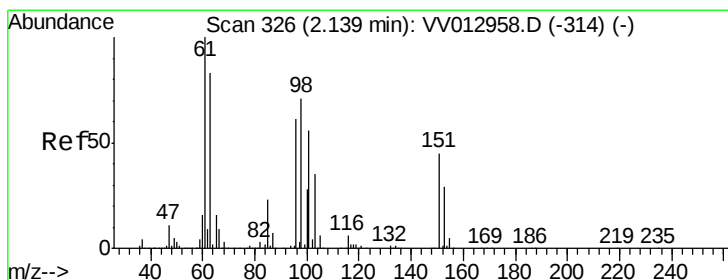
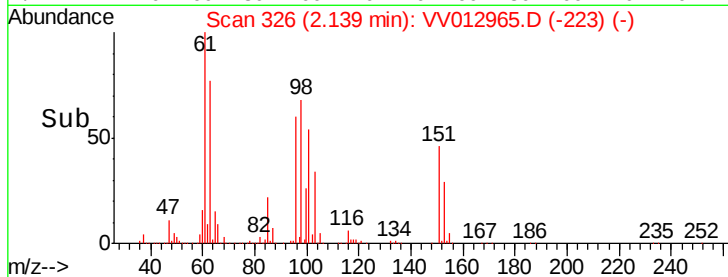
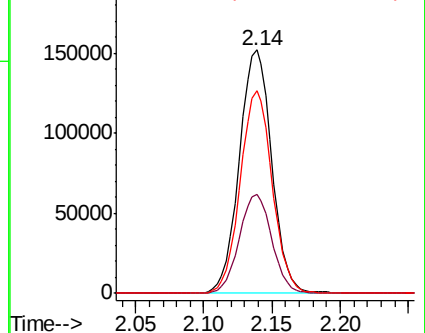
151 82.0 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV012965.D (-223) (-)

Ion 85.00 (84.70 to 85.70): VV012965.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV012965.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 25.419 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

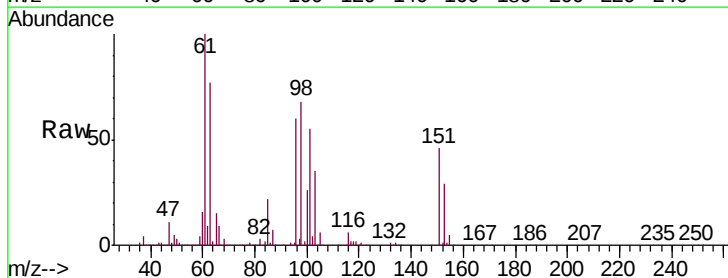
Tgt Ion: 96 Resp: 231714

Ion Ratio Lower Upper

96 100

61 167.1 117.2 217.8

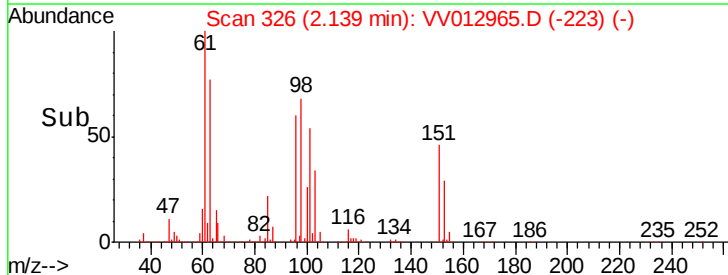
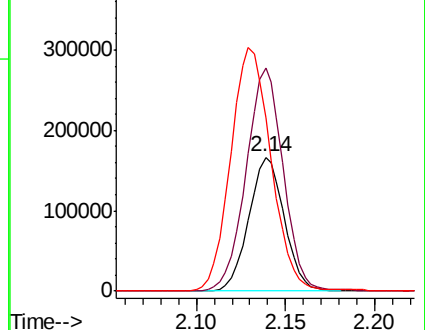
63 129.3 89.6 166.4

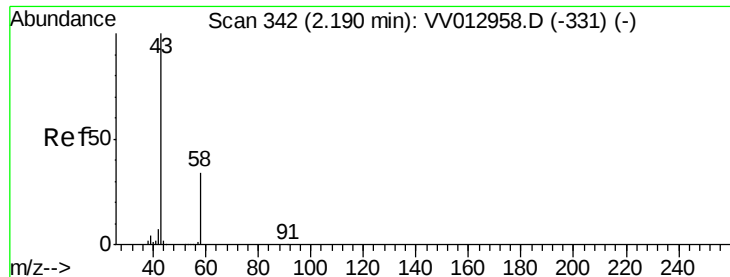


Abundance Ion 96.00 (95.70 to 96.70): VV012965.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV012965.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV012965.D (-223) (-)





#13

Acetone

Concen: 44.569 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.02 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

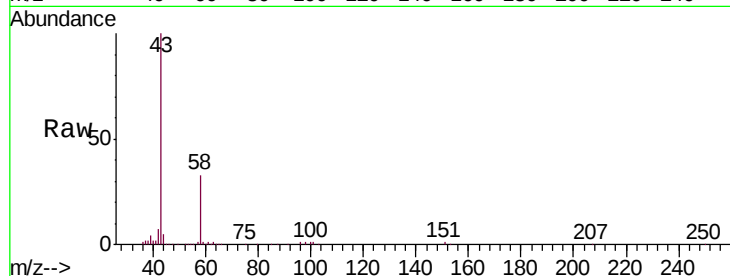
VSTD02570

Tgt Ion: 43 Resp: 204655

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV012958.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV012958.D (-331) (-)

2.21

80000

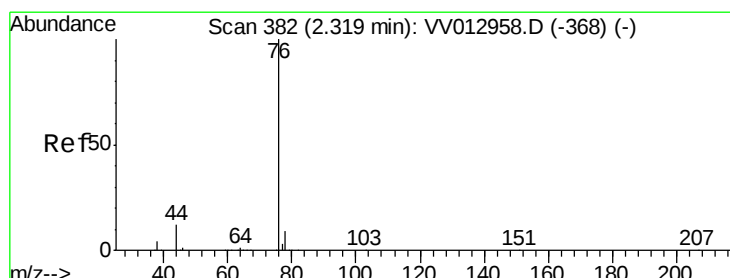
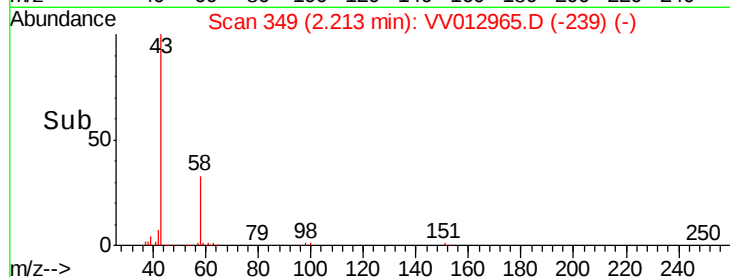
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 24.794 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012965.D

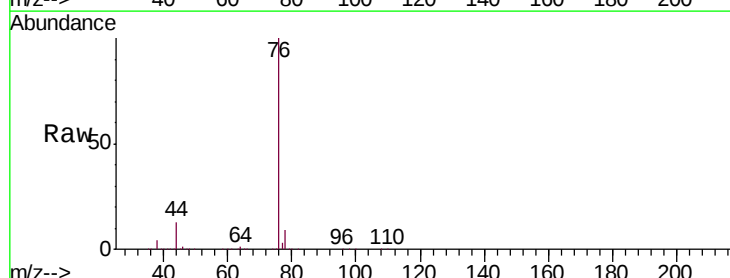
Acq: 24 Sep 2019 18:05

Tgt Ion: 76 Resp: 721975

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012958.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012958.D (-368) (-)

2.32

500000

400000

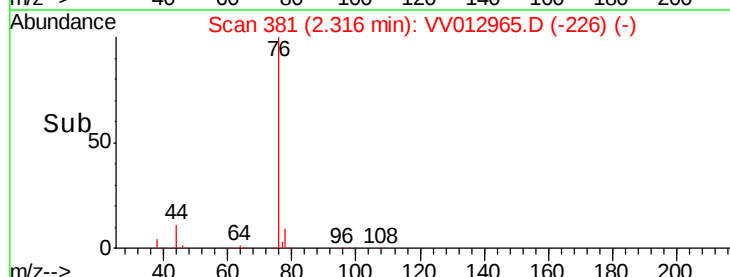
300000

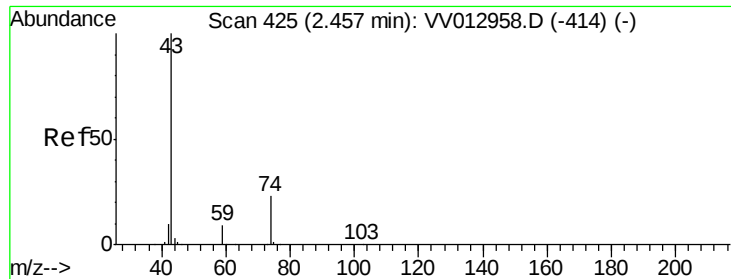
200000

100000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 24.778 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

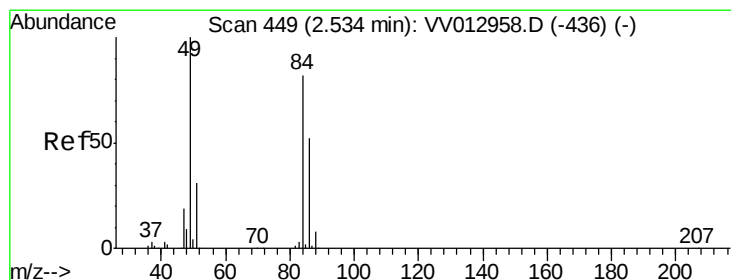
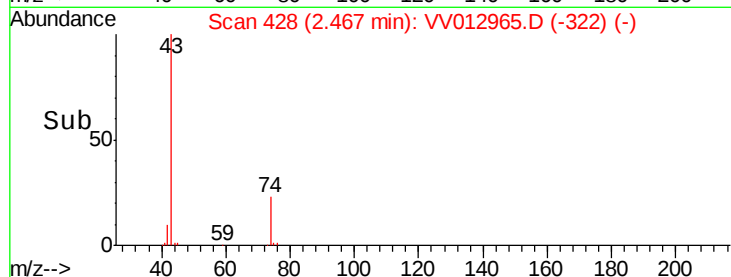
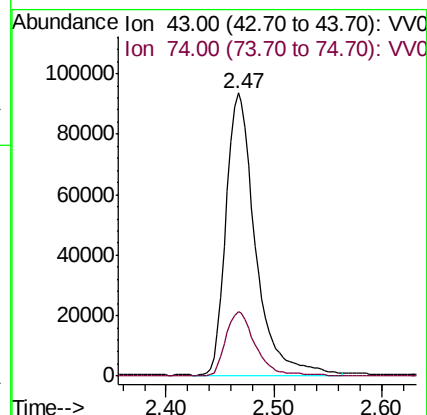
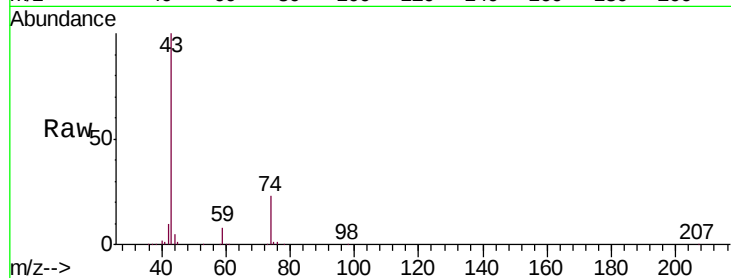
VSTD02570

Tgt Ion: 43 Resp: 176470

Ion Ratio Lower Upper

43 100

74 23.4 18.8 28.2



#16

Methylene chloride

Concen: 24.879 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

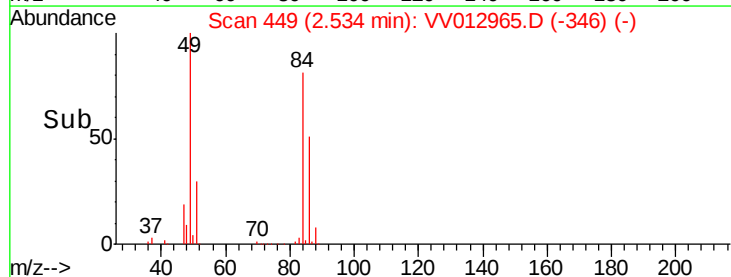
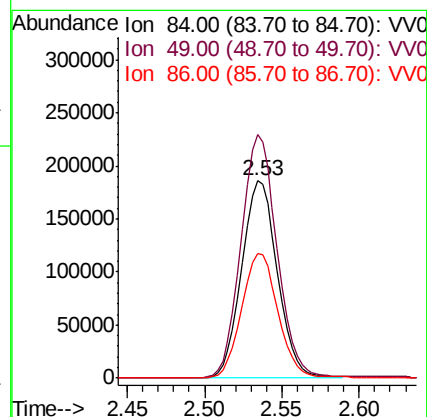
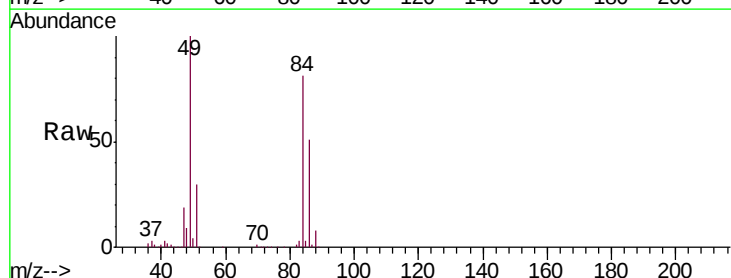
Tgt Ion: 84 Resp: 299873

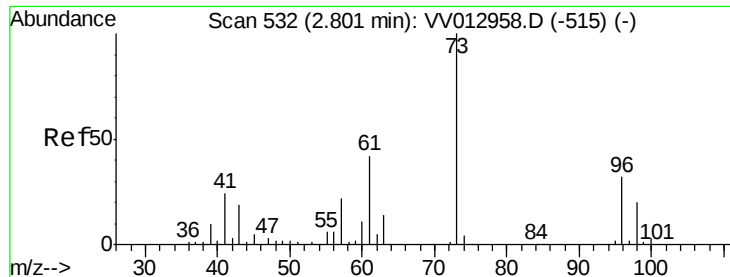
Ion Ratio Lower Upper

84 100

49 123.3 88.3 164.1

86 63.1 44.9 83.3

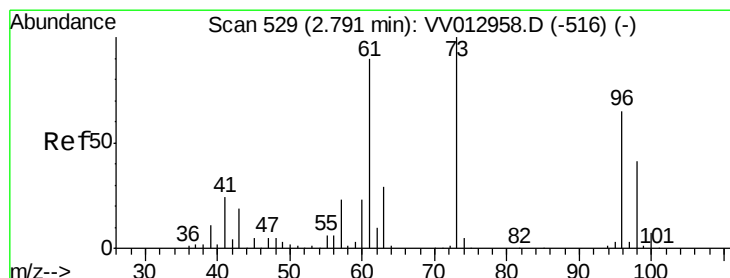
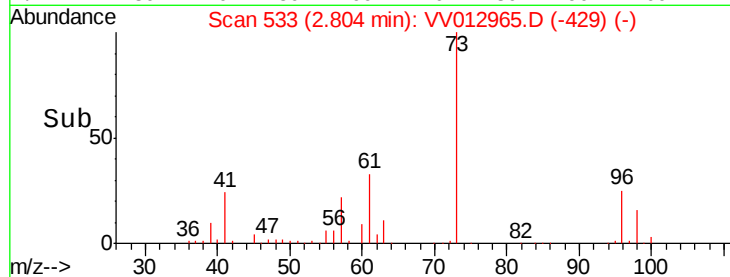
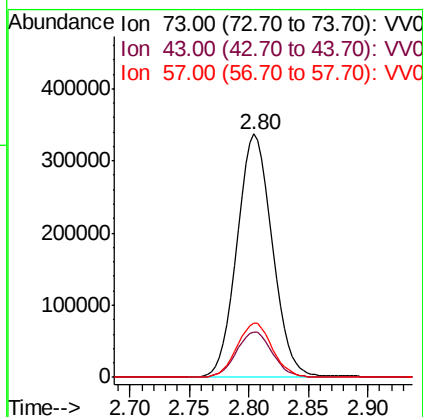
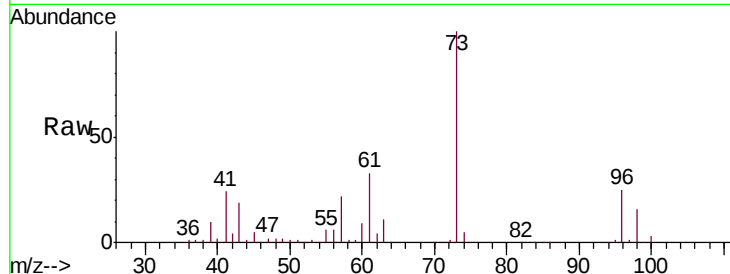




#17
Methyl tert-butyl Ether
Concen: 25.963 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

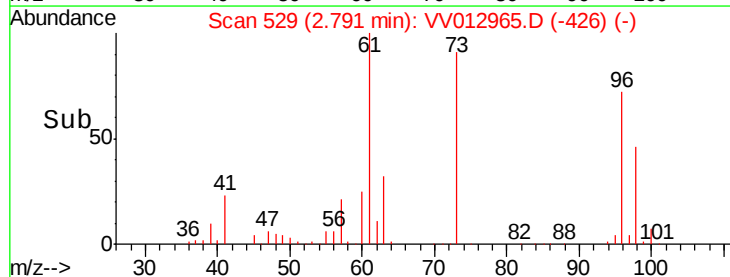
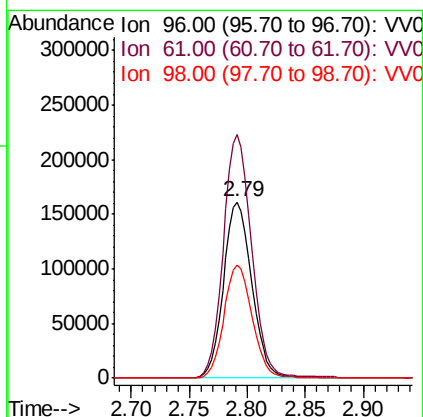
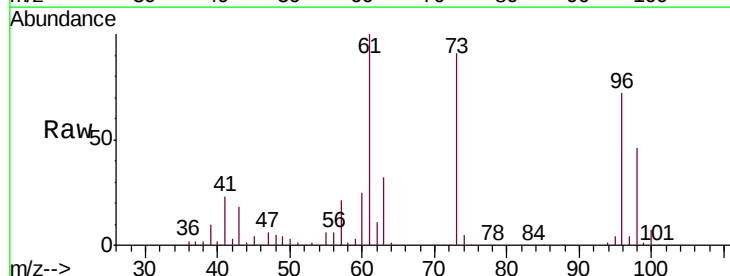
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

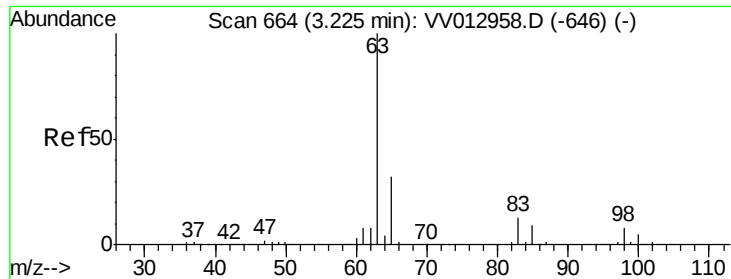
Tgt Ion: 73 Resp: 694444
Ion Ratio Lower Upper
73 100
43 18.9 15.0 22.6
57 22.4 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 25.425 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Tgt Ion: 96 Resp: 274344
Ion Ratio Lower Upper
96 100
61 138.3 96.8 179.8
98 64.0 44.8 83.2

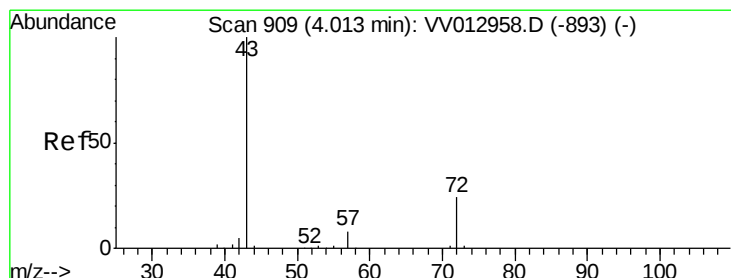
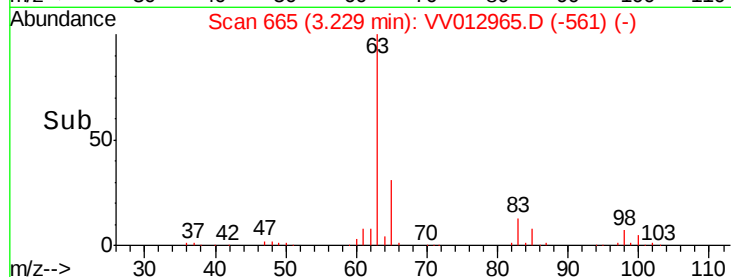
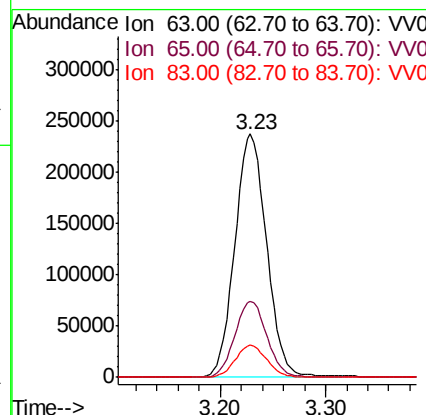
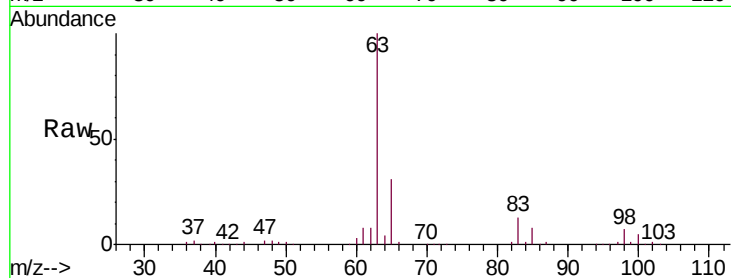




#19
 1,1-Dichloroethane
 Concen: 25.277 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

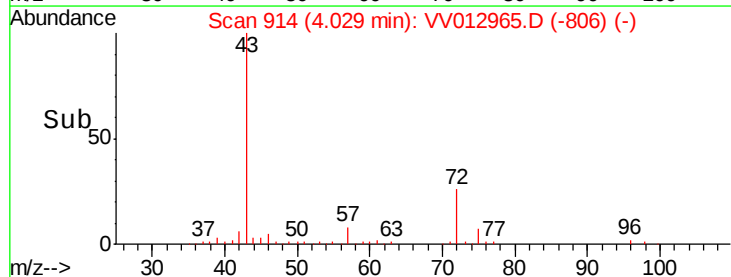
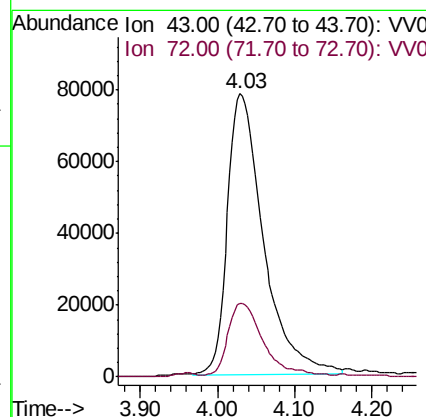
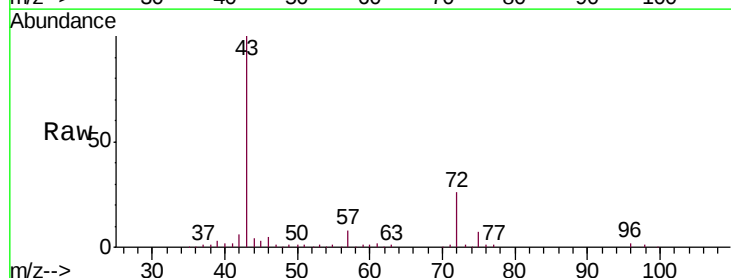
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

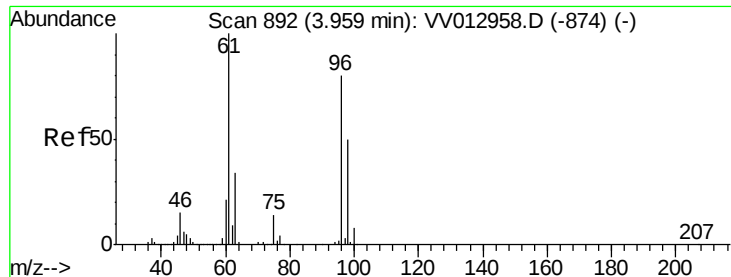
Tgt Ion: 63 Resp: 497727
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 41.0
 83 13.3 9.2 17.0



#21
 2-Butanone
 Concen: 47.389 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Tgt Ion: 43 Resp: 253242
 Ion Ratio Lower Upper
 43 100
 72 24.6 11.9 35.9



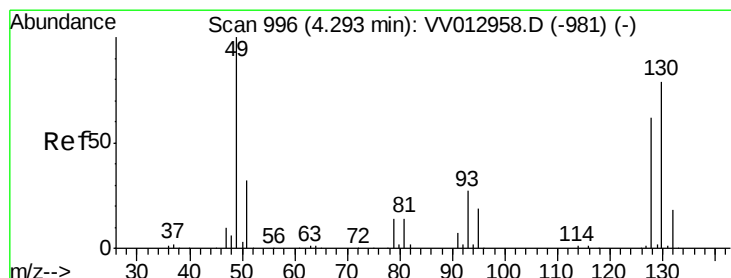
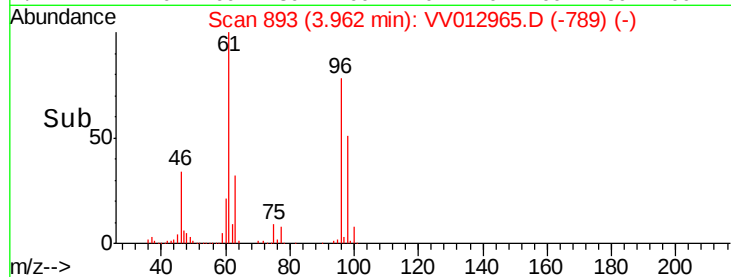
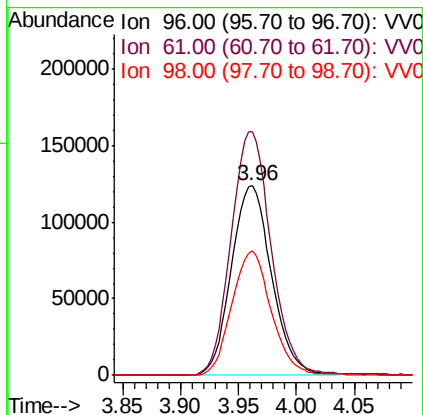
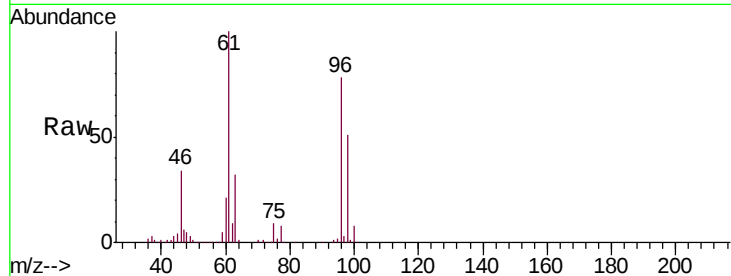


#22

cis-1,2-Dichloroethene
Concen: 25.273 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

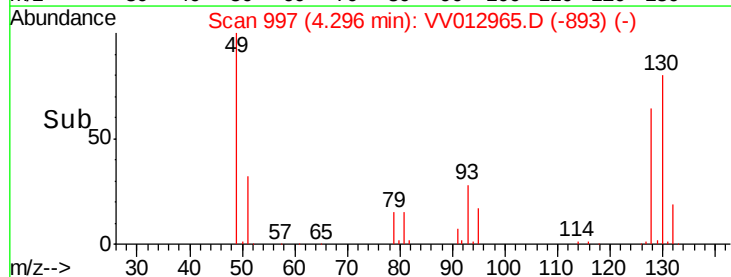
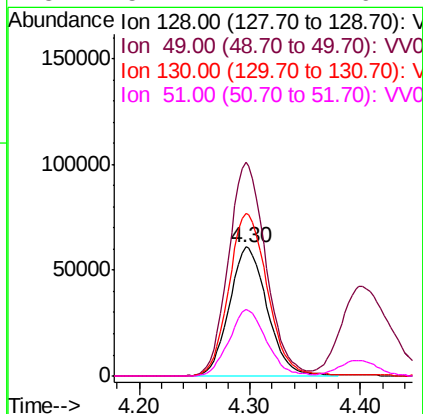
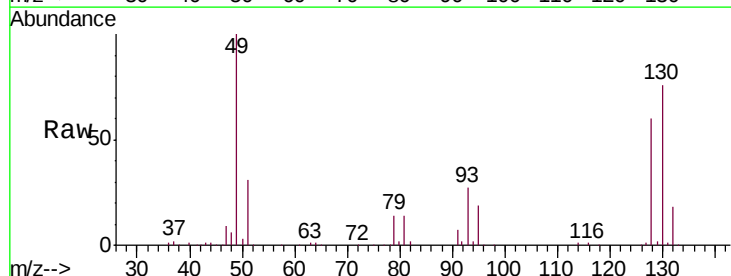
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.4	90.9	168.7
98	65.5	45.6	84.6

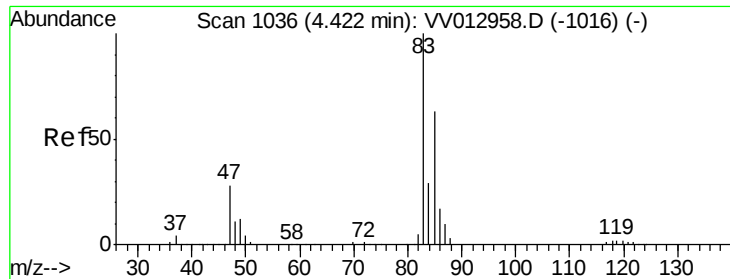


#23

Bromochloromethane
Concen: 24.915 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.8	114.4	212.6
130	126.1	88.5	164.4
51	51.4	41.4	62.2

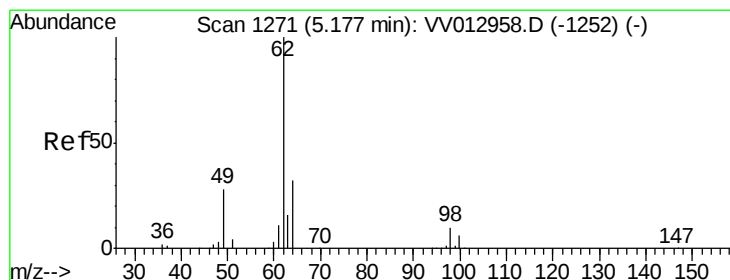
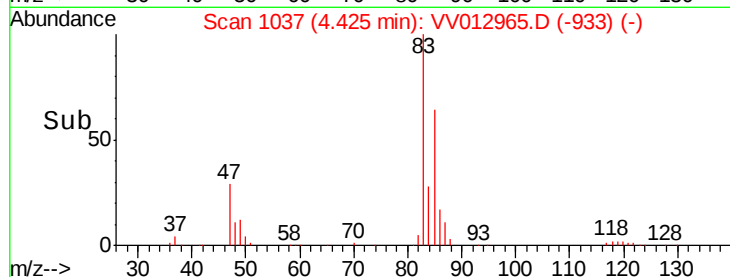
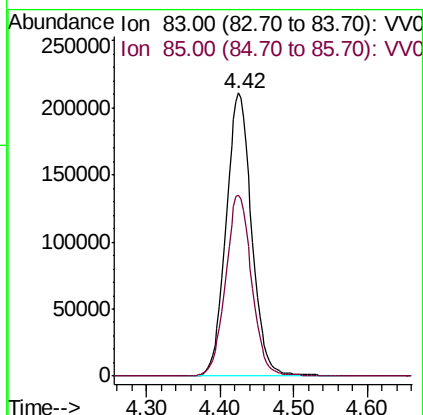
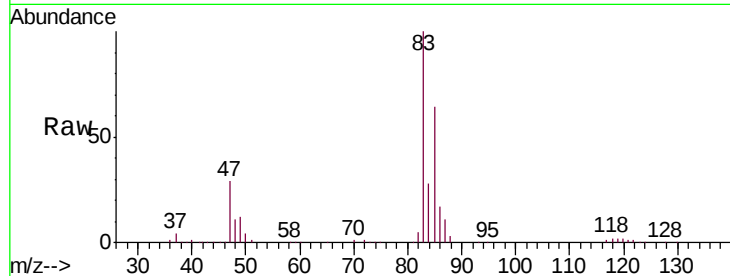




#25
Chloroform
Concen: 24.618 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

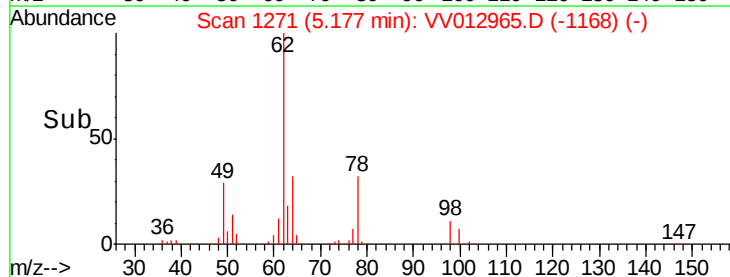
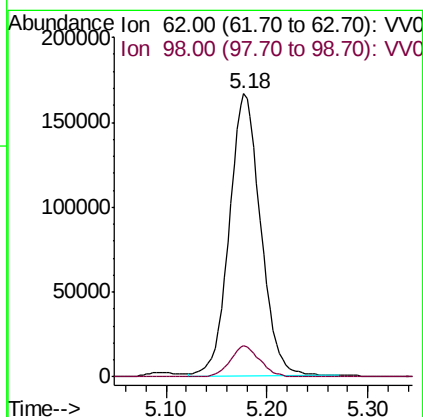
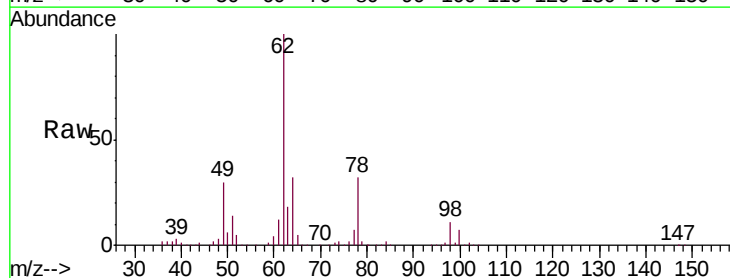
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

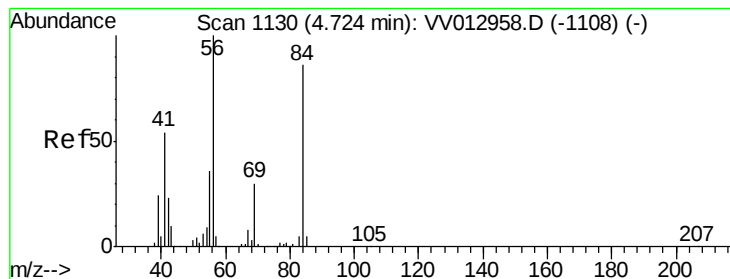
Tgt Ion: 83 Resp: 508261
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 24.706 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Tgt Ion: 62 Resp: 360520
Ion Ratio Lower Upper
62 100
98 10.9 8.2 12.4





#30

Cyclohexane

Concen: 27.190 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

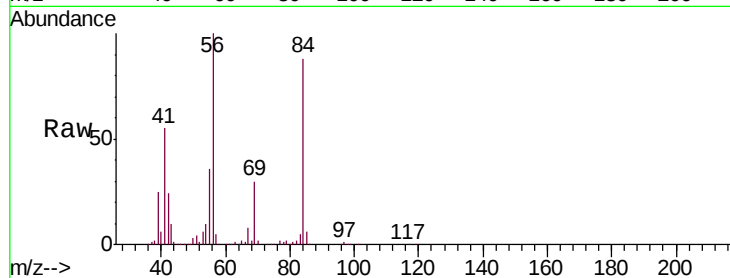
Tgt Ion: 56 Resp: 461378

Ion Ratio Lower Upper

56 100

69 30.5 23.8 35.8

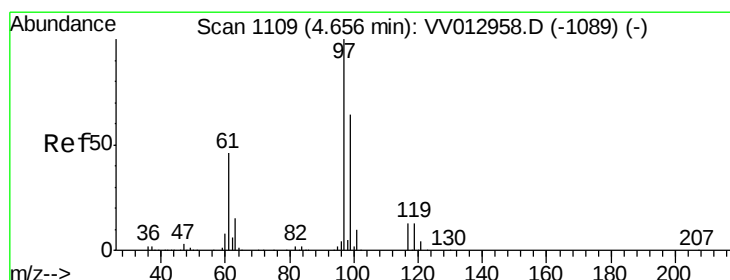
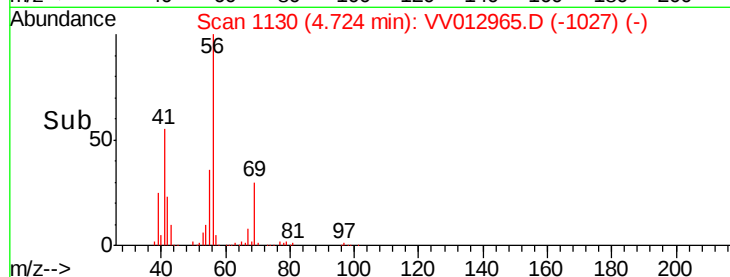
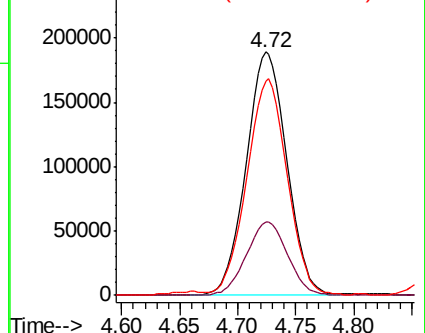
84 88.1 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VV012965.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV012965.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV012965.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 25.797 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

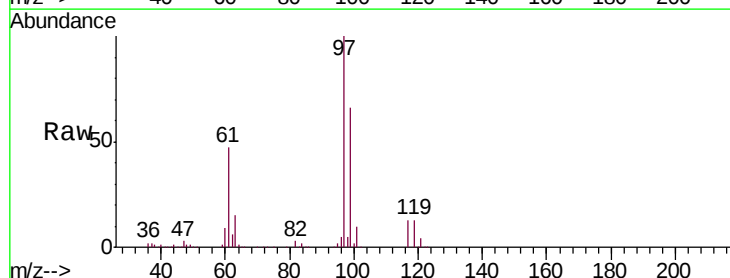
Tgt Ion: 97 Resp: 403831

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

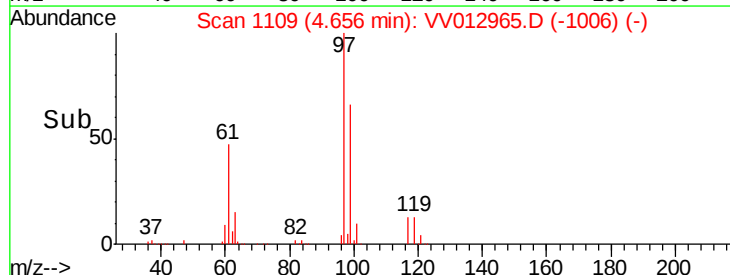
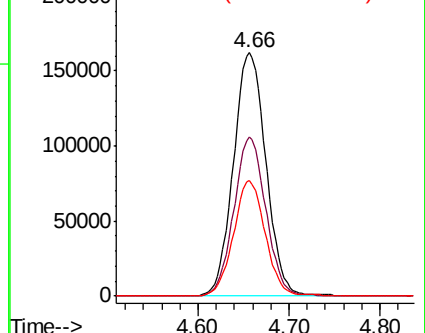
61 46.3 37.8 56.8

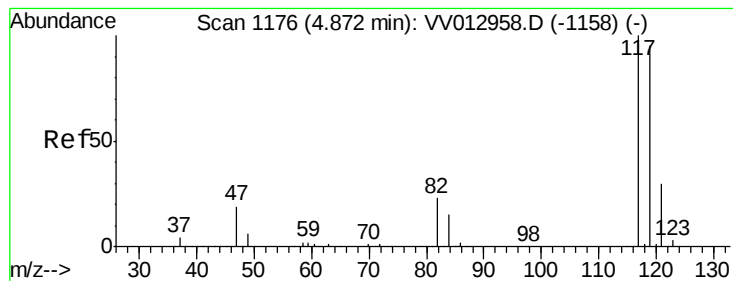


Abundance Ion 97.00 (96.70 to 97.70): VV012965.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV012965.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV012965.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 25.746 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

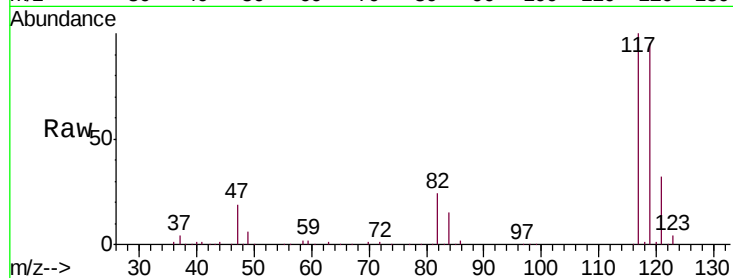
VSTD02570

Tgt Ion:117 Resp: 365440

Ion Ratio Lower Upper

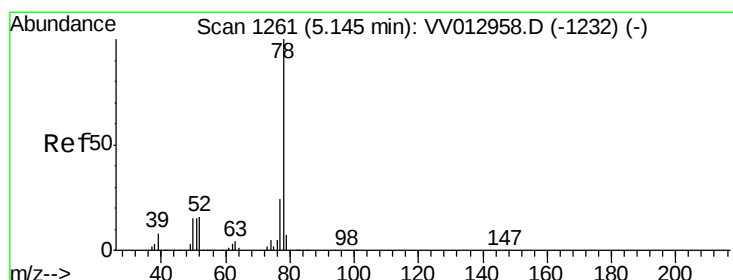
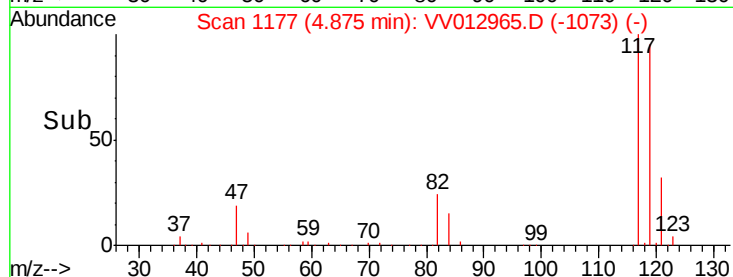
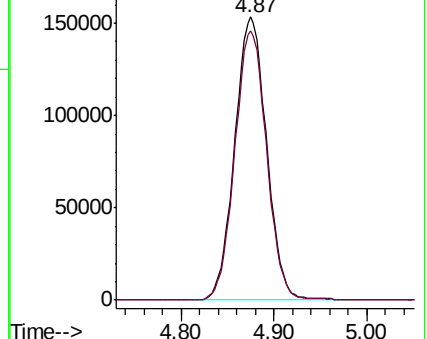
117 100

119 94.9 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.136 ug/L

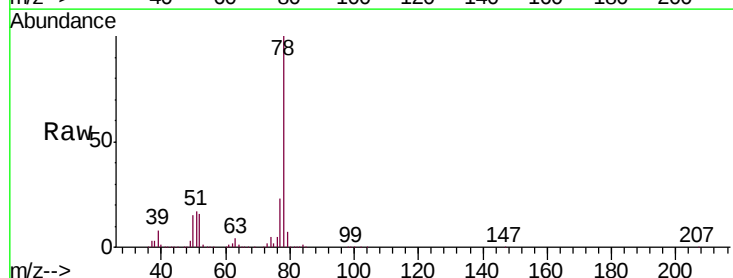
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

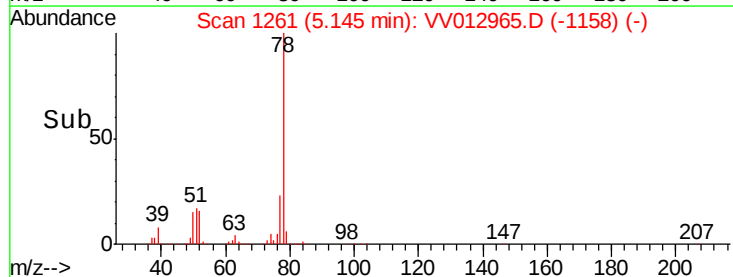
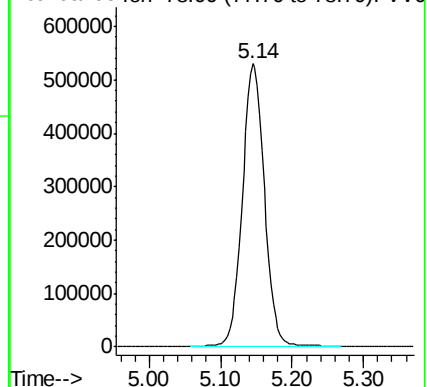
Lab File: VV012965.D

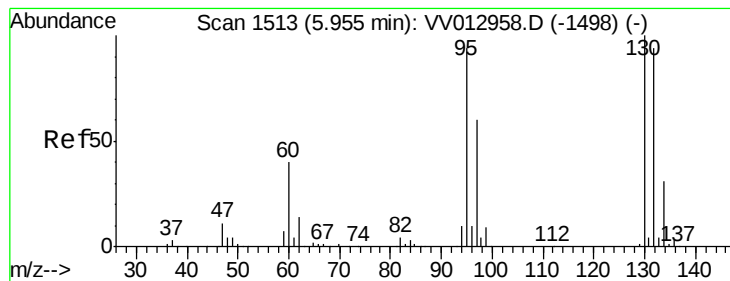
Acq: 24 Sep 2019 18:05

Tgt Ion: 78 Resp: 1150691



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.164 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion: 95 Resp: 308632

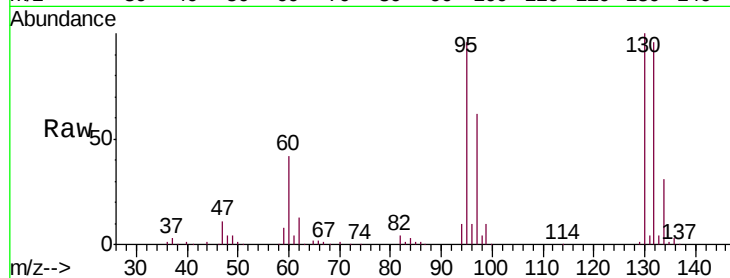
Ion Ratio Lower Upper

95 100

97 63.7 44.7 82.9

132 100.8 70.1 130.1

130 103.7 73.3 136.1

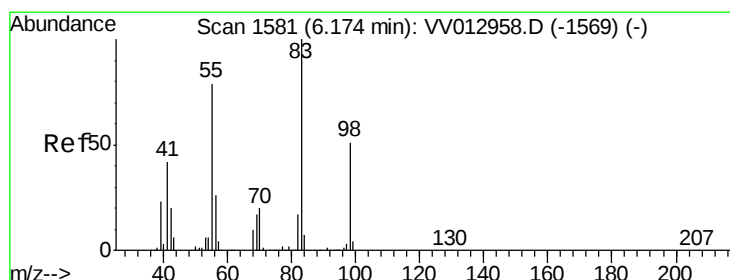
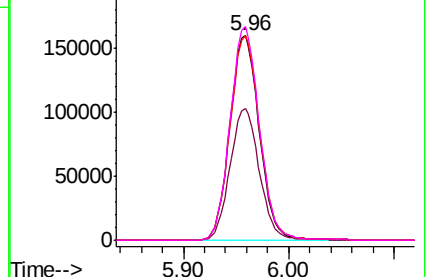
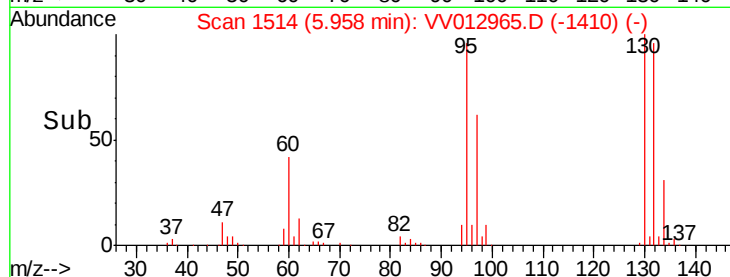


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 27.027 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

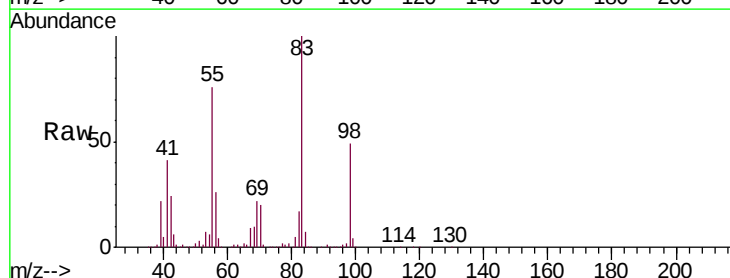
Tgt Ion: 83 Resp: 508866

Ion Ratio Lower Upper

83 100

55 77.0 61.8 92.8

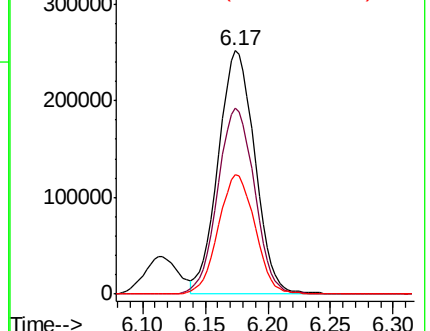
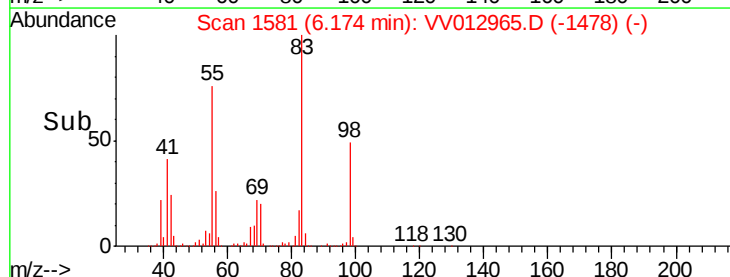
98 49.3 39.3 58.9

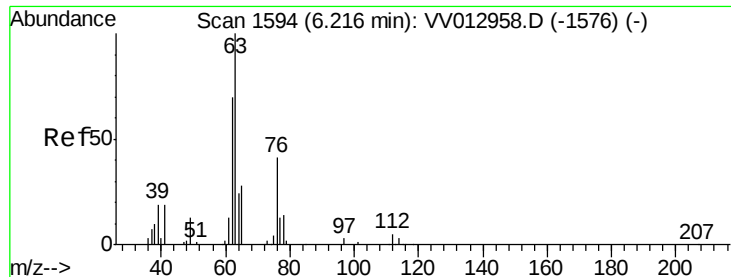


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

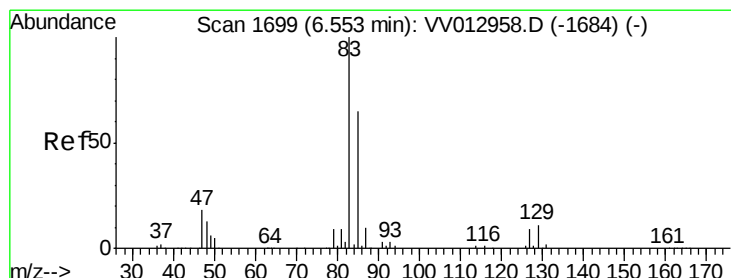
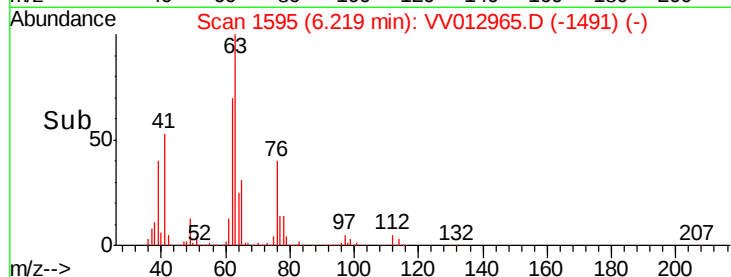
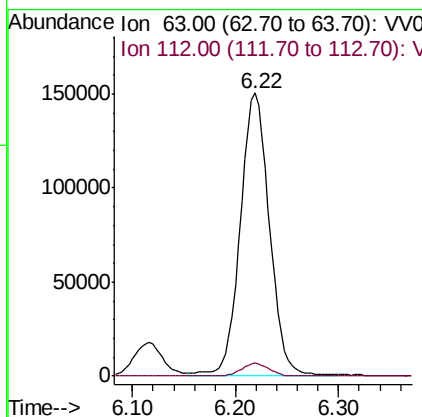
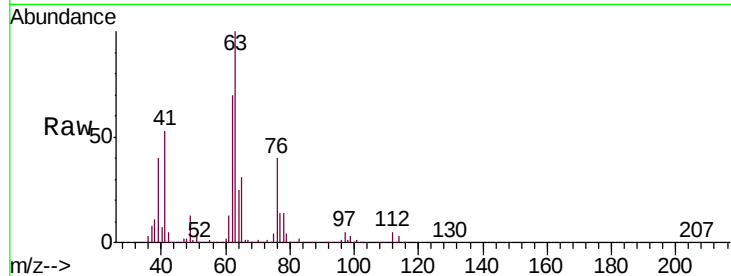




#40
 1,2-Dichloropropane
 Concen: 26.007 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

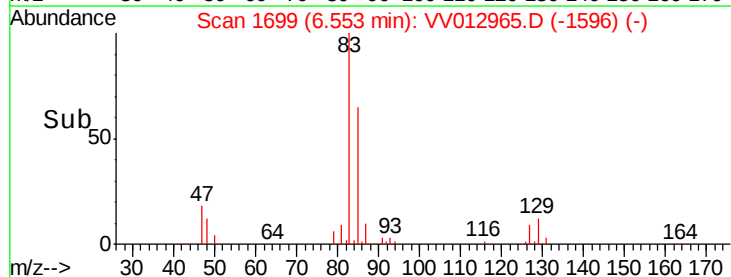
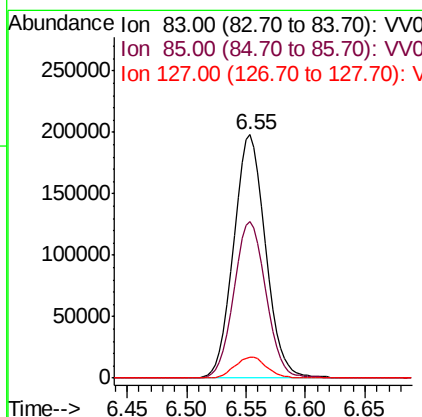
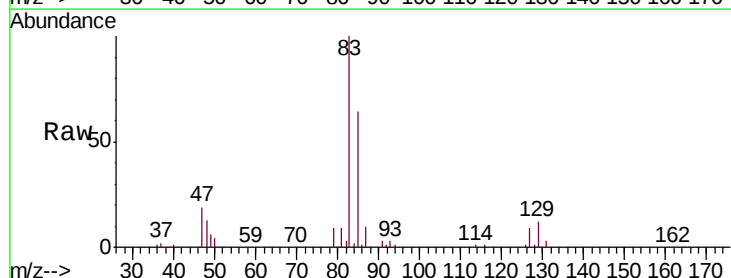
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

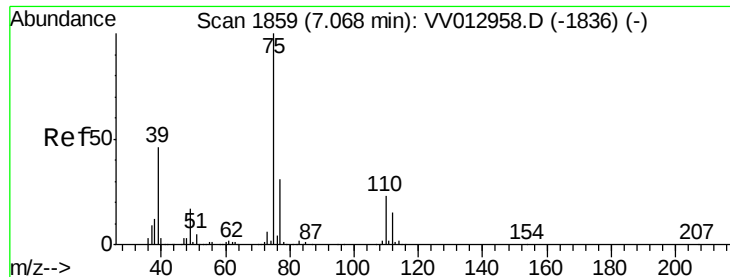
Tgt Ion: 63 Resp: 297757
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.8 5.6



#41
 Bromodichloromethane
 Concen: 25.156 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Tgt Ion: 83 Resp: 368913
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 8.7 7.2 10.8

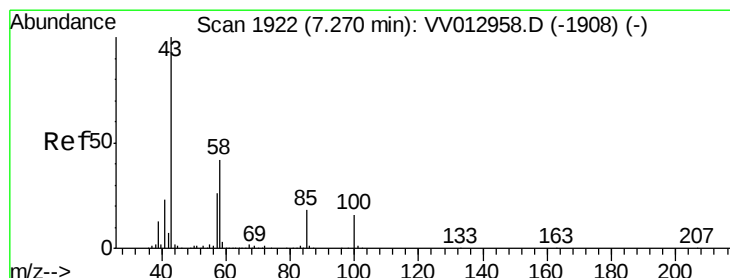
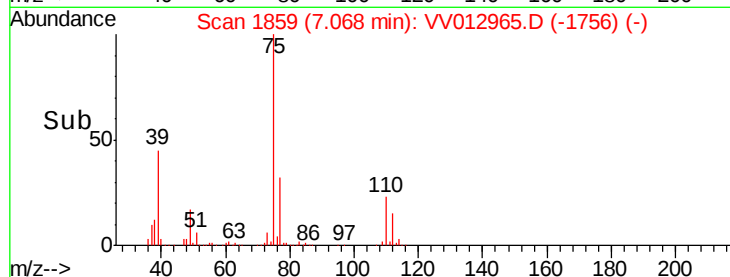
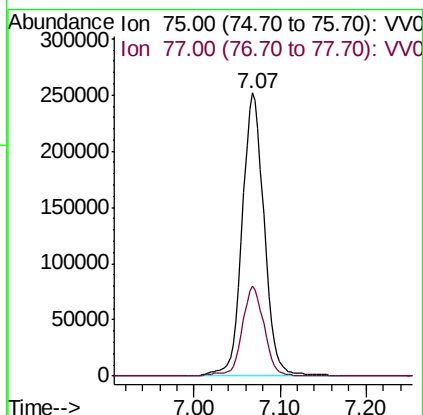
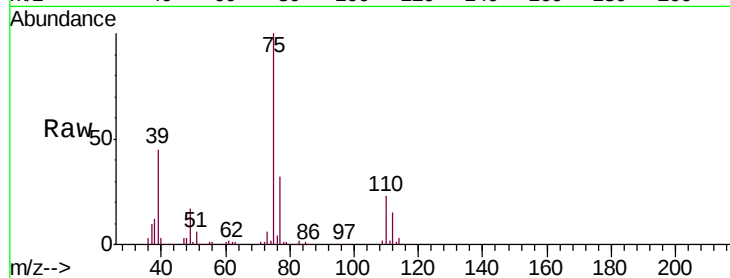




#42
 cis-1,3-Dichloropropene
 Concen: 26.673 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

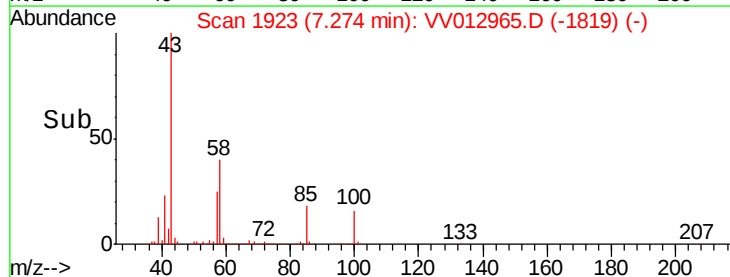
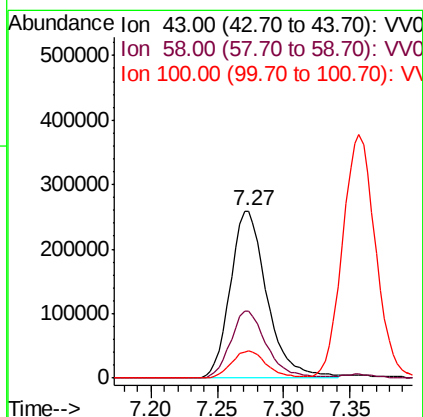
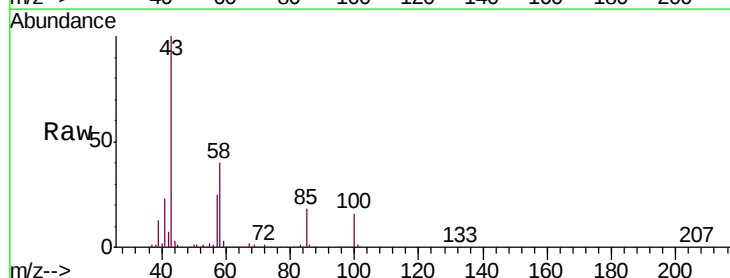
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02570

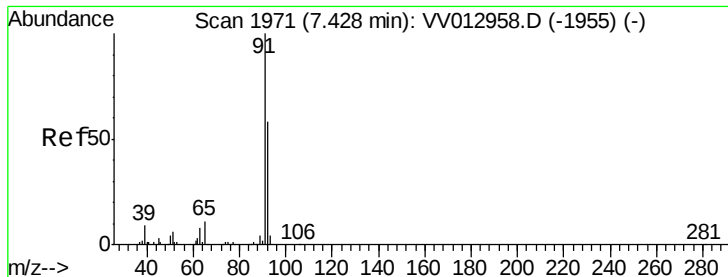
Tgt Ion: 75 Resp: 448729
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.5 39.9



#43
 4-Methyl-2-pentanone
 Concen: 53.023 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Tgt Ion: 43 Resp: 498759
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.2 46.8
 100 15.8 12.2 18.2





#44

Toluene

Concen: 26.907 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

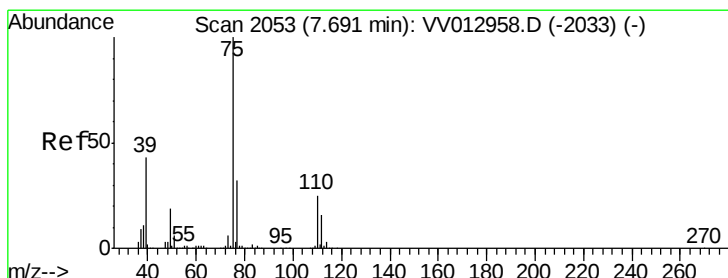
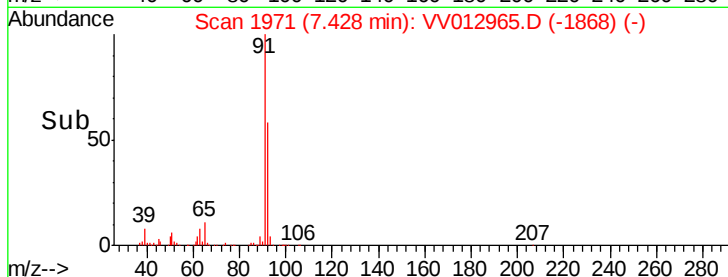
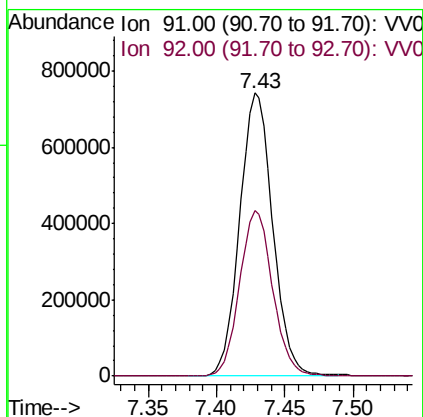
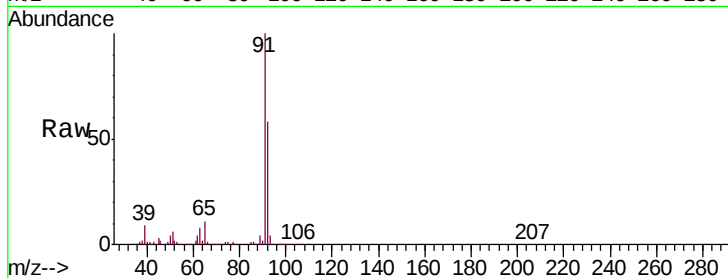
VSTD02570

Tgt Ion: 91 Resp: 1249416

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 26.085 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012965.D

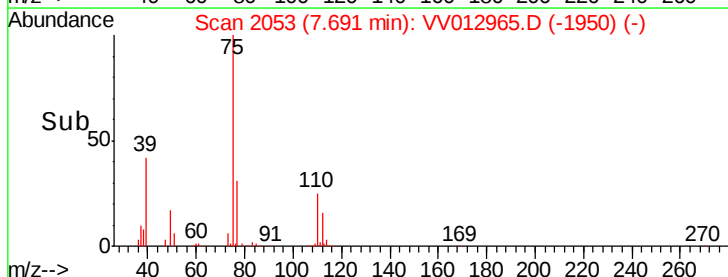
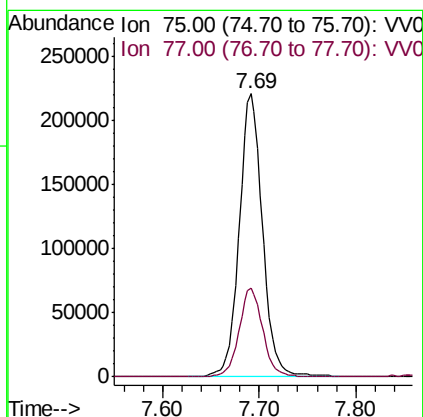
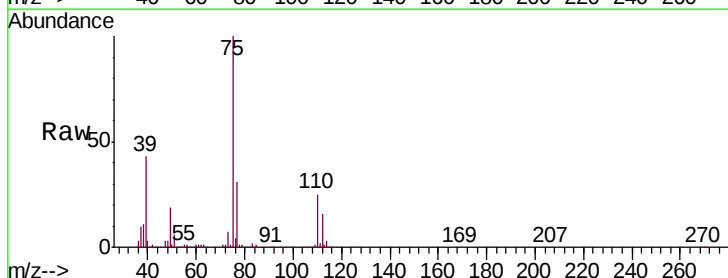
Acq: 24 Sep 2019 18:05

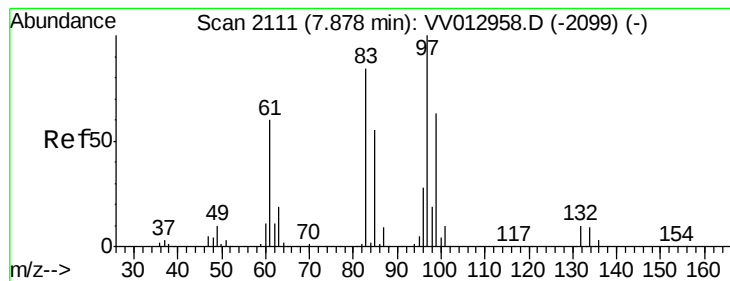
Tgt Ion: 75 Resp: 369331

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8





#46

1,1,2-Trichloroethane

Concen: 25.195 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion: 97 Resp: 244890

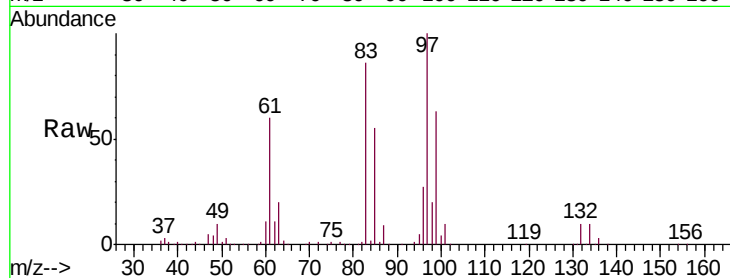
Ion Ratio Lower Upper

97 100

83 85.7 58.9 109.5

85 54.7 38.4 71.2

99 63.2 43.8 81.4

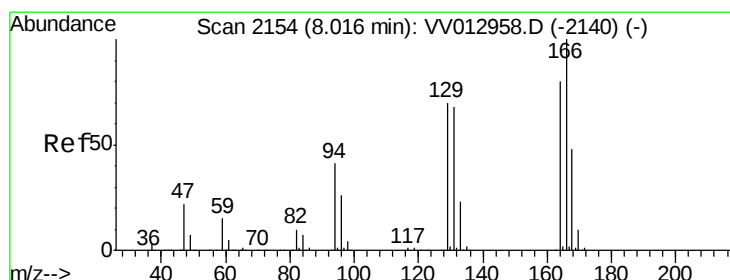
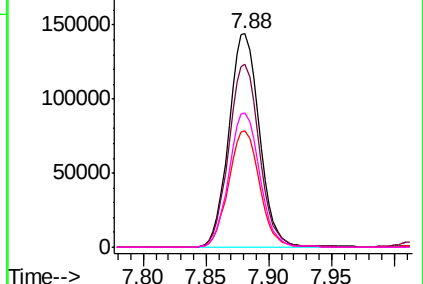
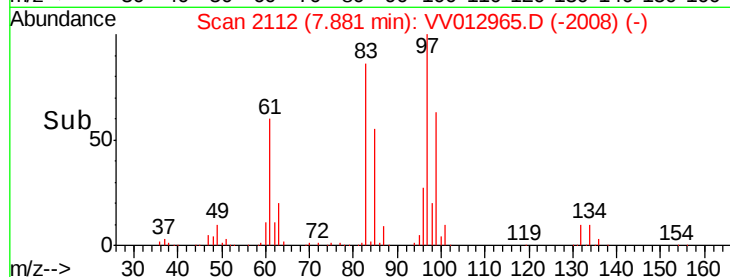


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 26.199 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Tgt Ion: 164 Resp: 261159

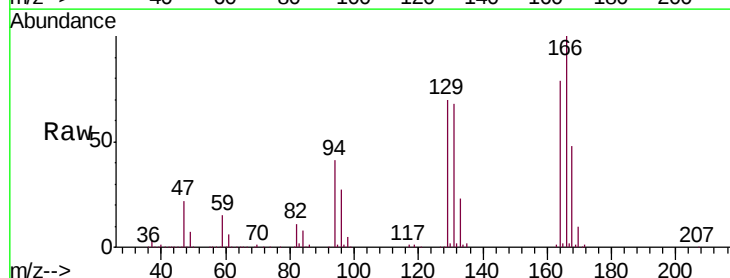
Ion Ratio Lower Upper

164 100

129 88.9 62.8 116.6

131 86.3 60.2 111.8

166 126.2 89.4 166.0

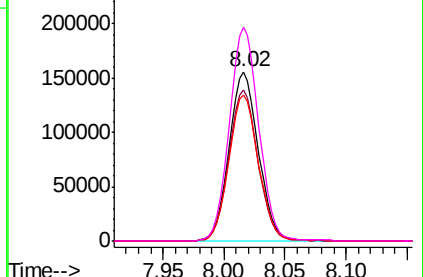
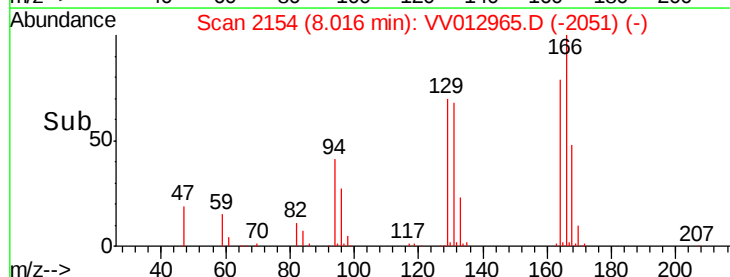


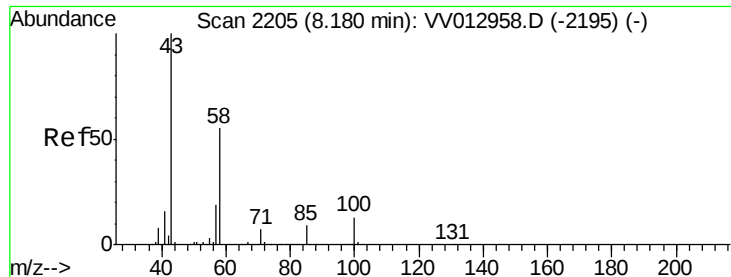
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

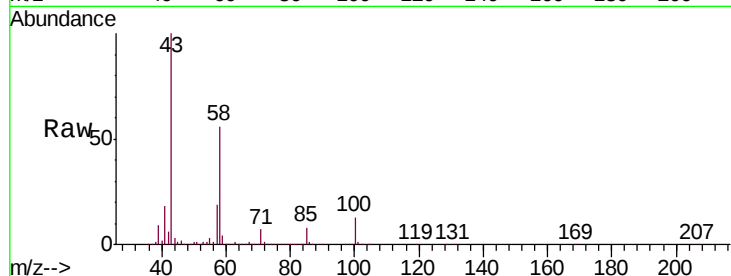




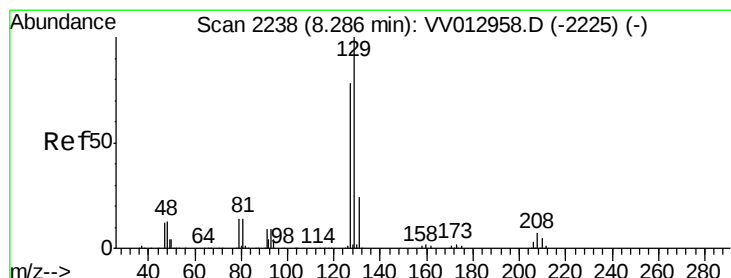
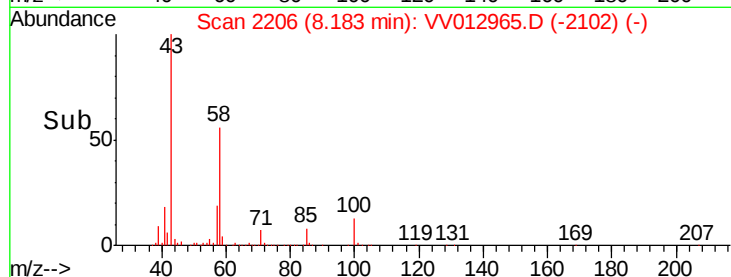
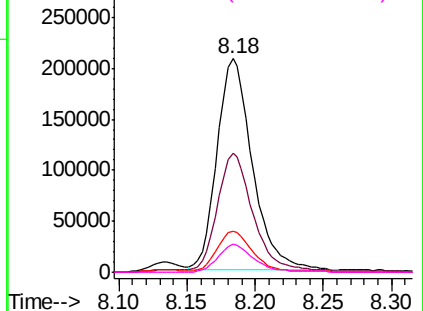
#49
2-Hexanone
Concen: 52.608 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Tgt Ion: 43 Resp: 373023
Ion Ratio Lower Upper
43 100
58 56.2 46.5 69.7
57 19.3 15.5 23.3
100 13.1 9.7 14.5

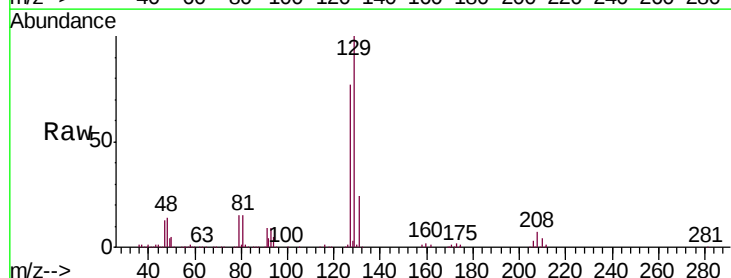


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

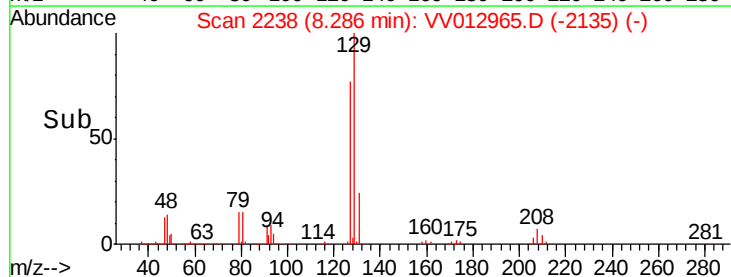
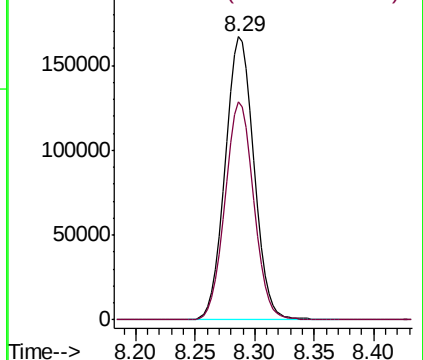


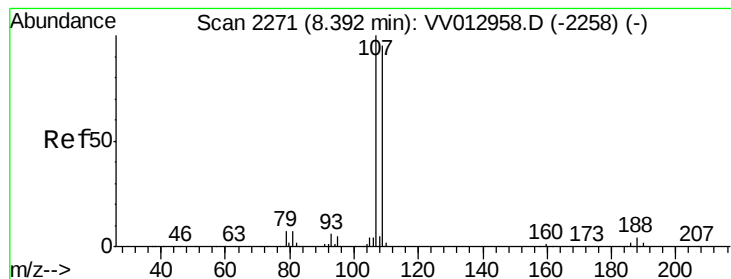
#50
Dibromochloromethane
Concen: 25.099 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012965.D
Acq: 24 Sep 2019 18:05

Tgt Ion: 129 Resp: 280394
Ion Ratio Lower Upper
129 100
127 77.0 53.7 99.7



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





#51

1,2-Dibromoethane

Concen: 25.581 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

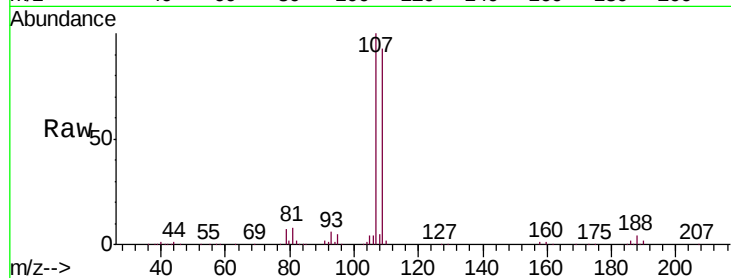
Tgt Ion:107 Resp: 243659

Ion Ratio Lower Upper

107 100

109 93.0 66.1 122.8

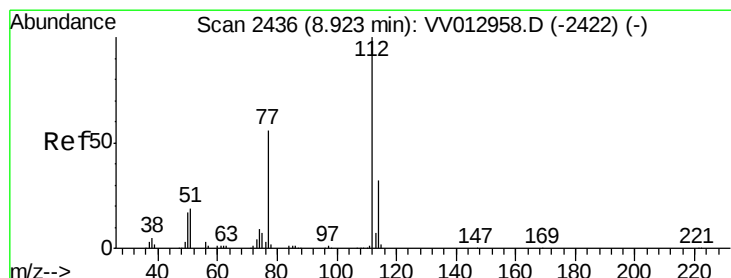
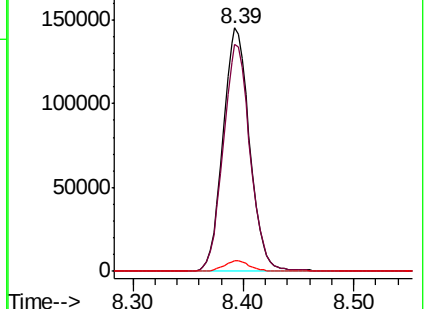
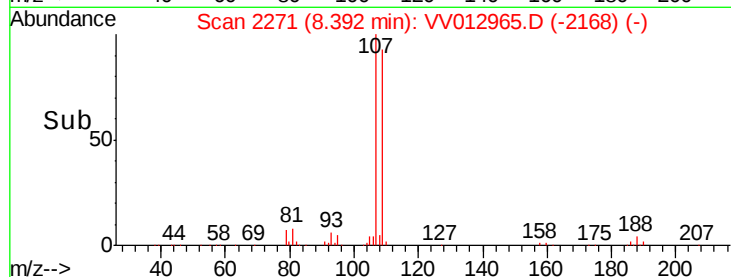
188 4.1 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.546 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

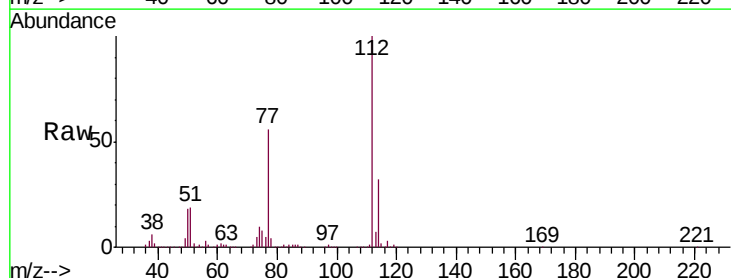
Tgt Ion:112 Resp: 818600

Ion Ratio Lower Upper

112 100

77 56.3 46.3 69.5

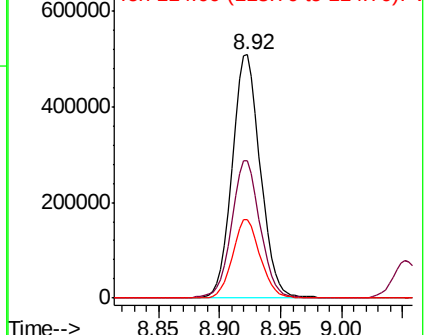
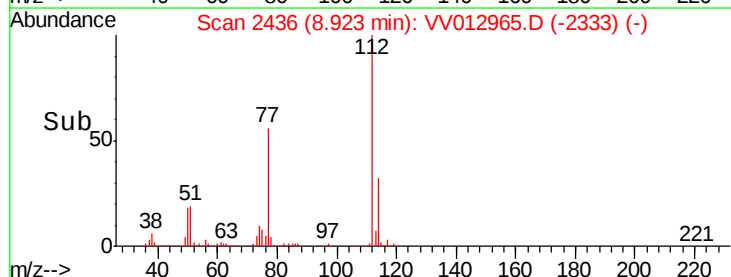
114 32.4 22.5 41.7

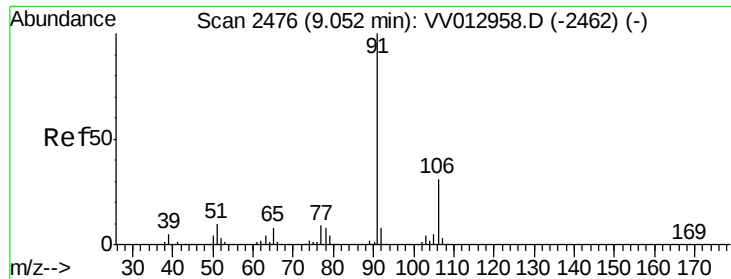


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.245 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

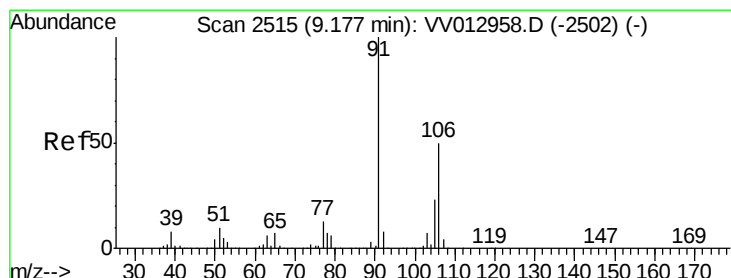
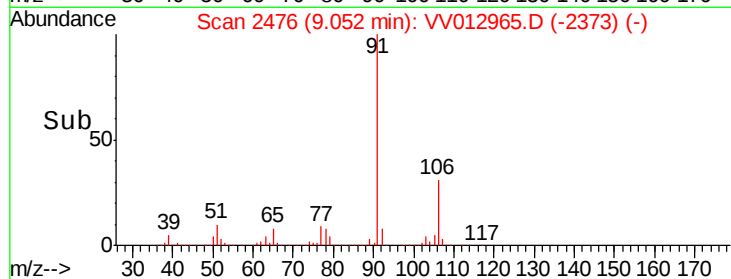
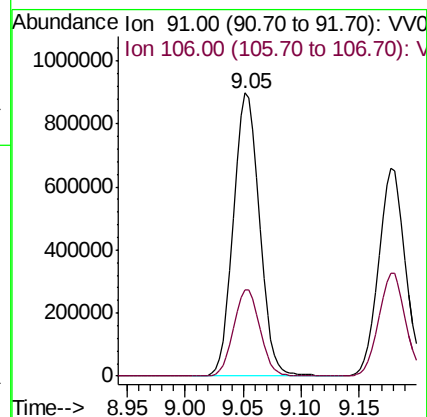
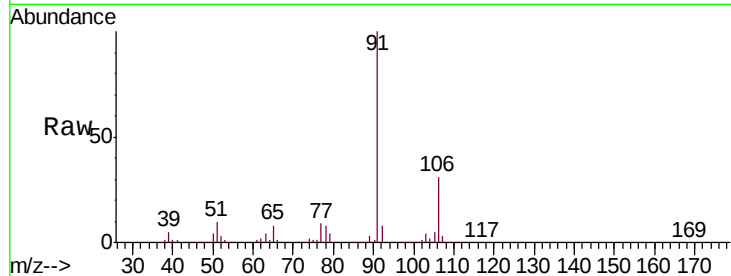
VSTD02570

Tgt Ion: 91 Resp: 1392950

Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.4



#54

m,p-Xylene

Concen: 27.551 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012965.D

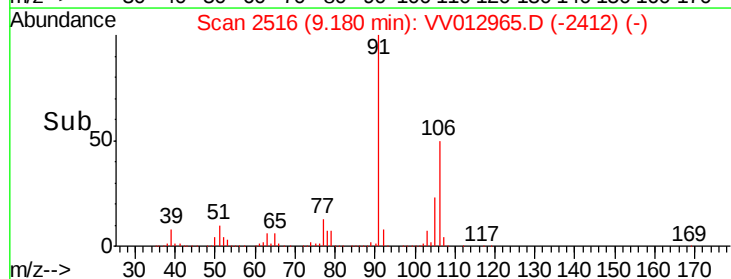
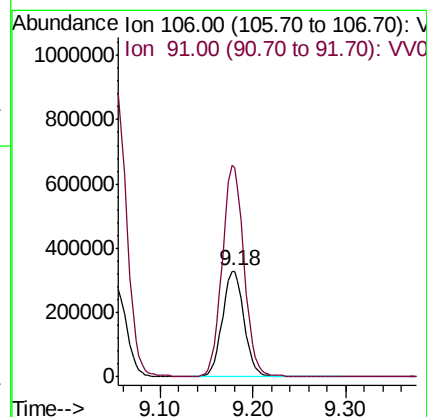
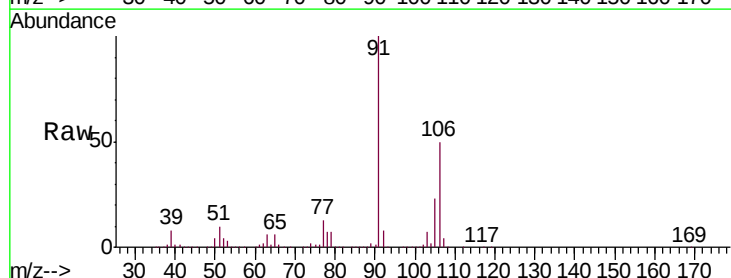
Acq: 24 Sep 2019 18:05

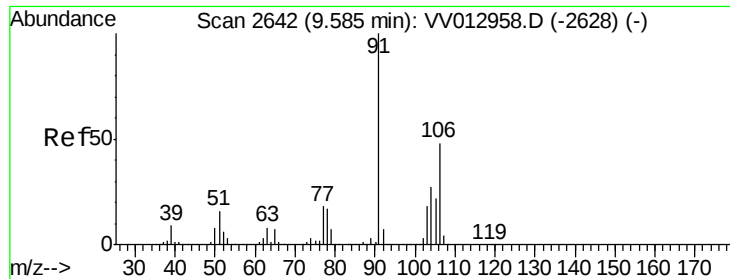
Tgt Ion: 106 Resp: 535505

Ion Ratio Lower Upper

106 100

91 198.6 140.1 260.3





#55

o-xylene

Concen: 27.765 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

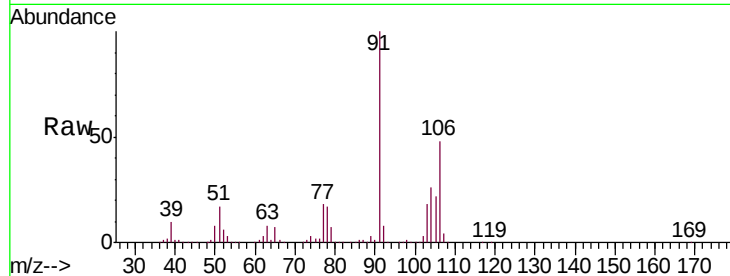
VSTD02570

Tgt Ion:106 Resp: 514184

Ion Ratio Lower Upper

106 100

91 210.4 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

800000

600000

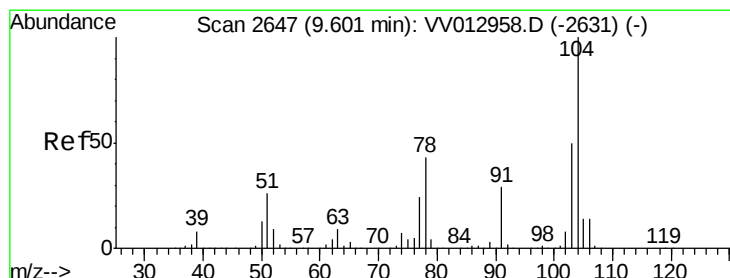
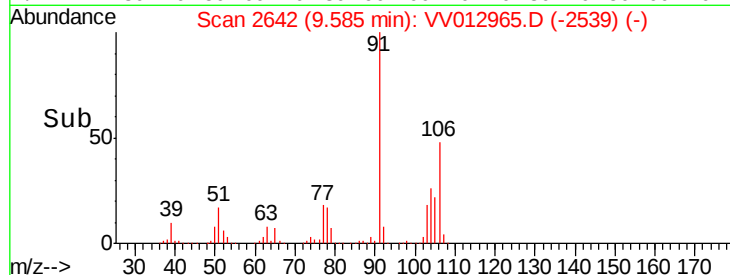
400000

200000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#56

Styrene

Concen: 27.863 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012965.D

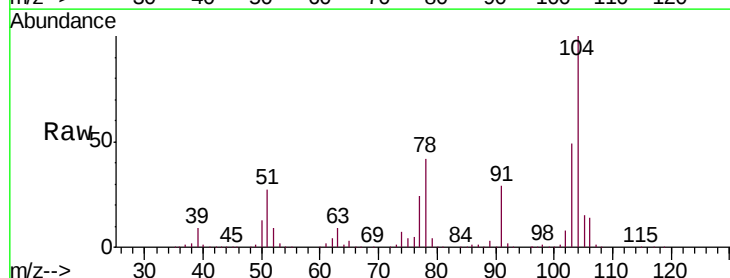
Acq: 24 Sep 2019 18:05

Tgt Ion:104 Resp: 907899

Ion Ratio Lower Upper

104 100

78 42.3 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

600000

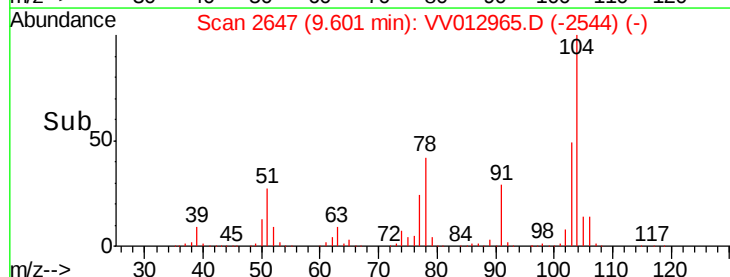
400000

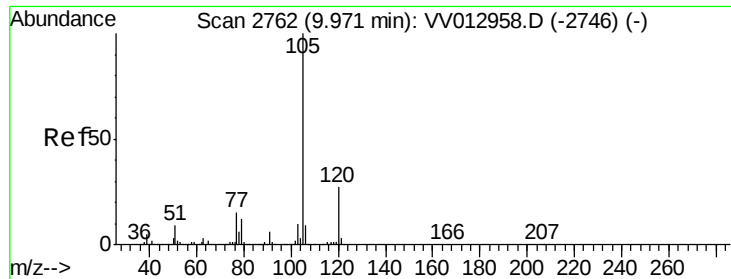
200000

0

9.50 9.60 9.70

Time-->





#57

Isopropylbenzene

Concen: 28.269 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

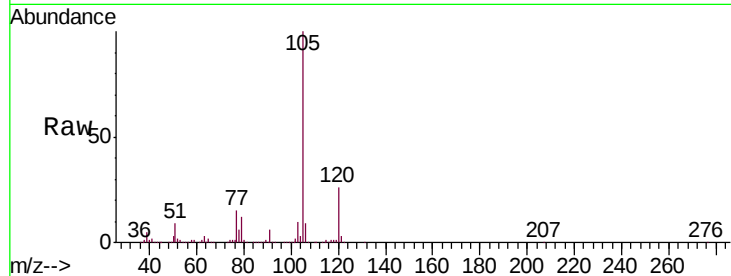
Tgt Ion: 105 Resp: 1375859

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

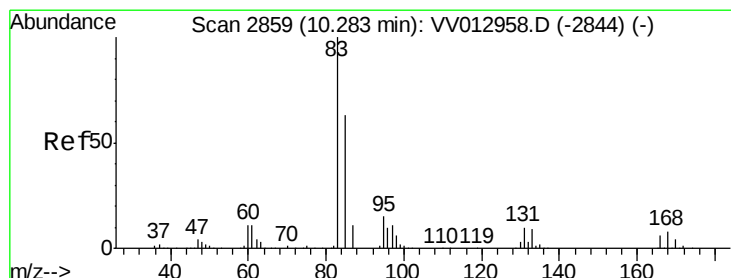
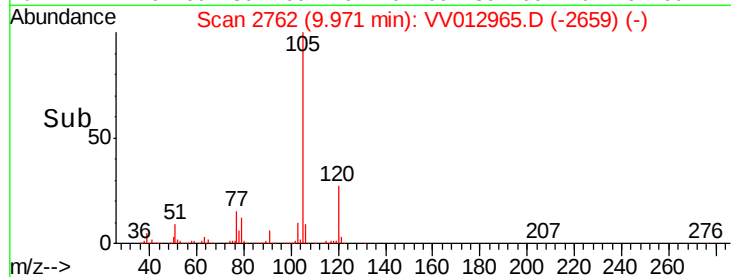
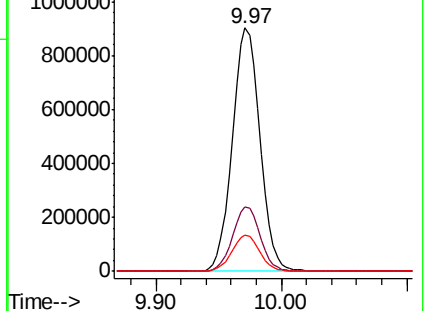
77 14.9 12.2 18.4



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: 25.993 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

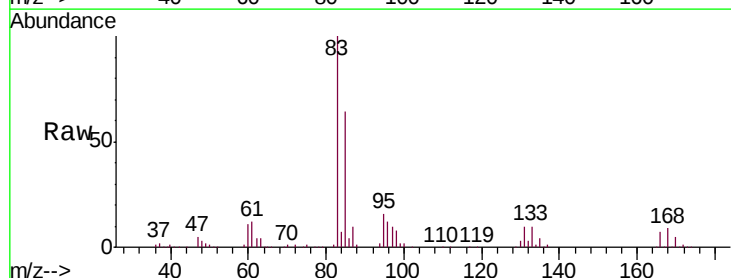
Tgt Ion: 83 Resp: 312526

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

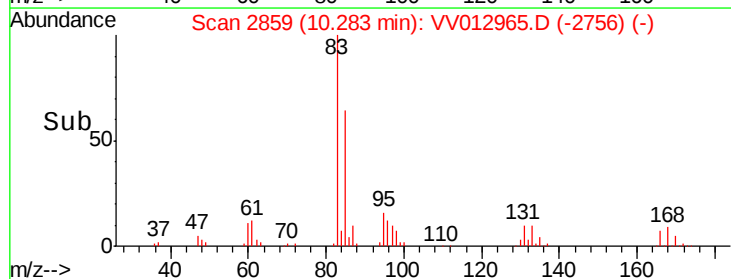
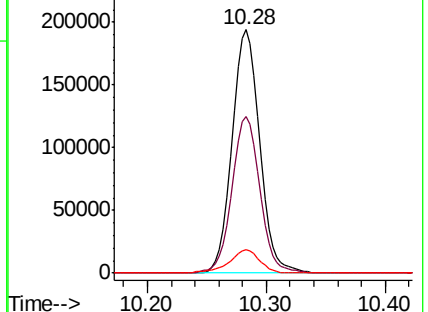
131 9.7 8.2 12.2

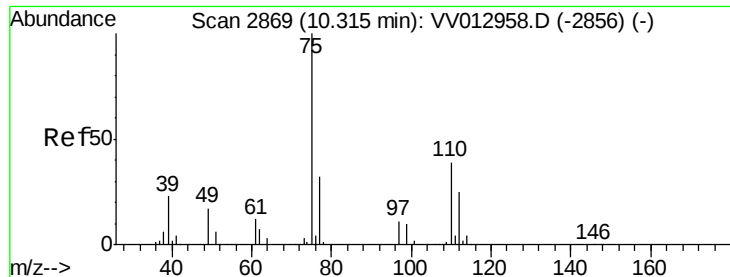


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.808 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

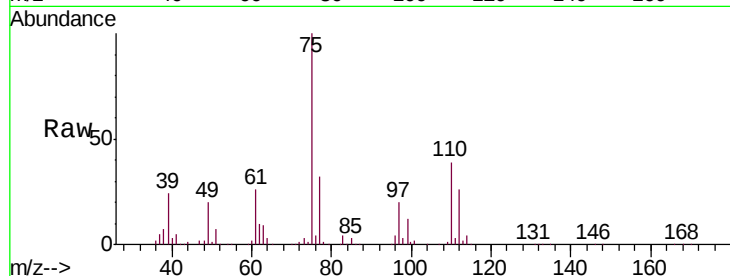
VSTD02570

Tgt Ion: 75 Resp: 246193

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV012958.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012958.D (-2856) (-)

10.32

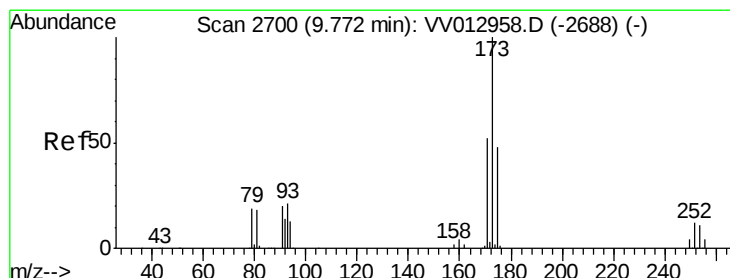
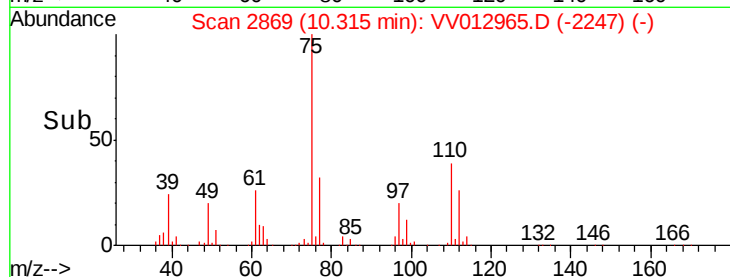
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 24.598 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

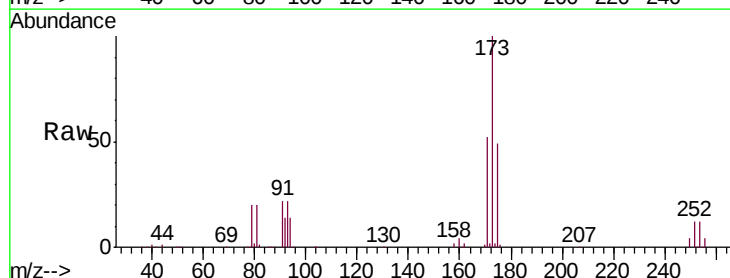
Tgt Ion: 173 Resp: 180380

Ion Ratio Lower Upper

173 100

175 48.7 39.5 59.3

254 12.2 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): VV012958.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV012958.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV012958.D (-2688) (-)

9.77

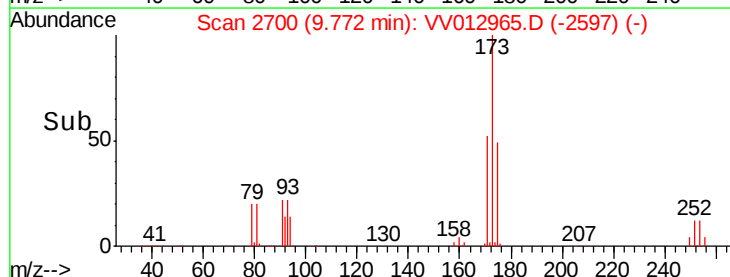
150000

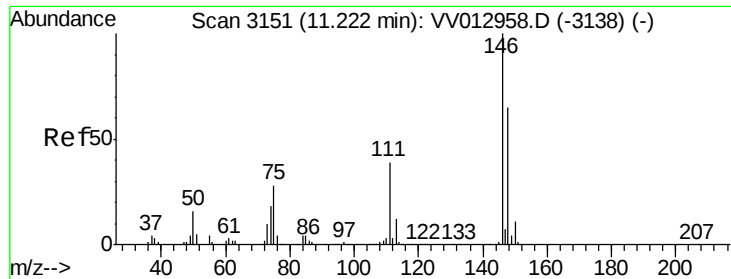
100000

50000

0

Time-->

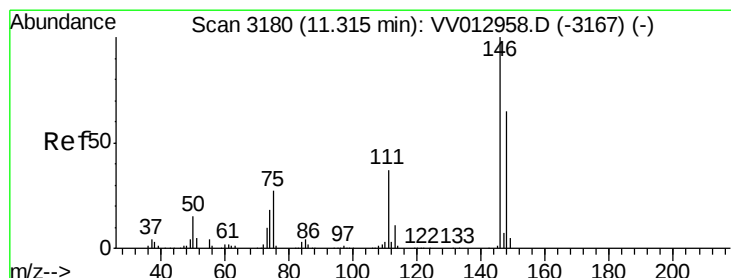
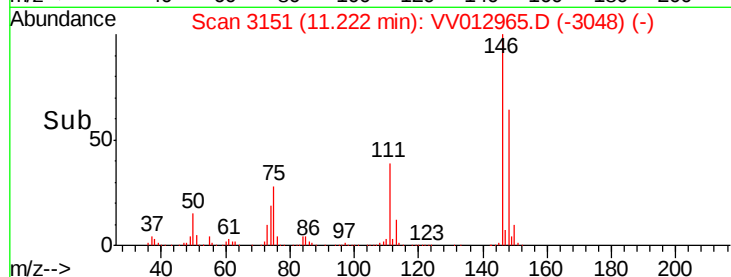
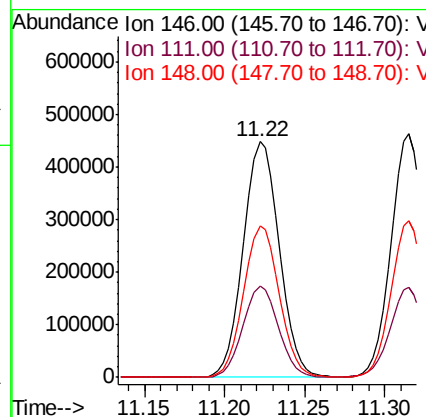
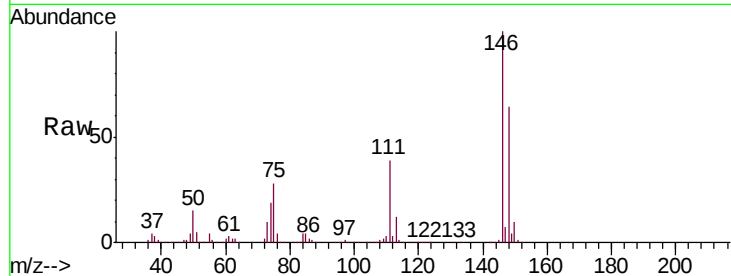




#63
 1,3-Dichlorobenzene
 Concen: 25.851 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

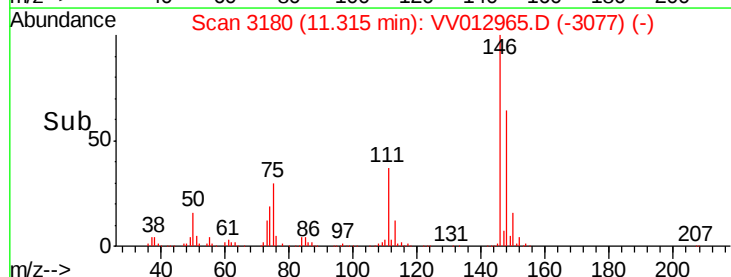
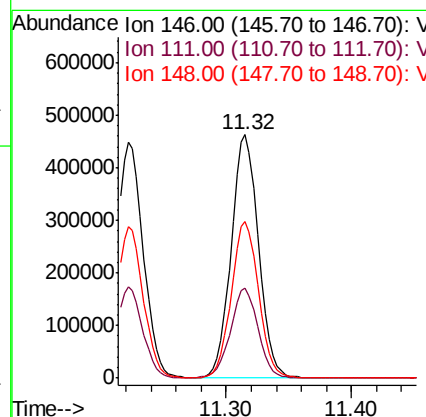
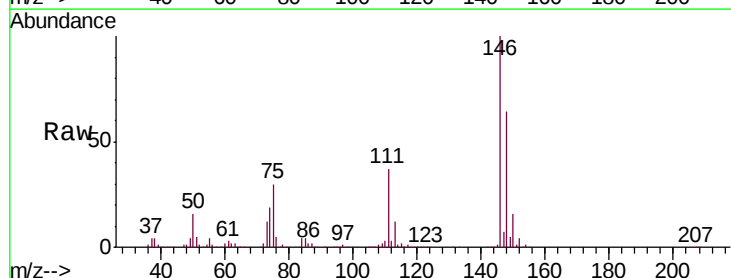
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

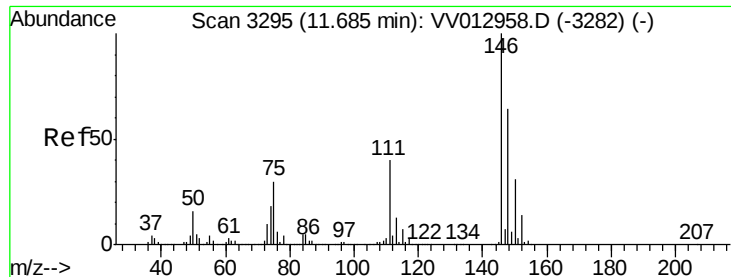
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.7	49.7
148	64.1	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 24.898 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.5	47.3
148	64.4	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 25.664 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampled :

VSTD02570

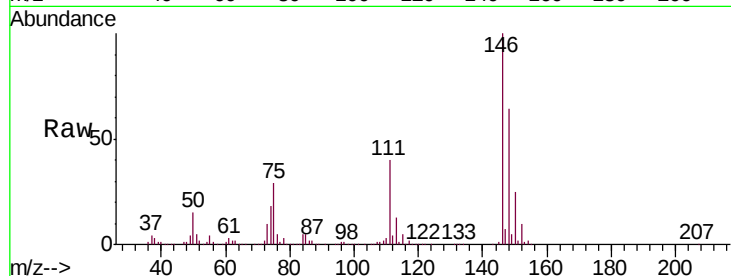
Tgt Ion:146 Resp: 651167

Ion Ratio Lower Upper

146 100

111 39.5 31.9 47.9

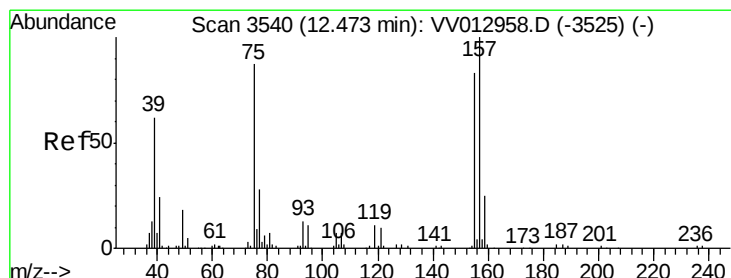
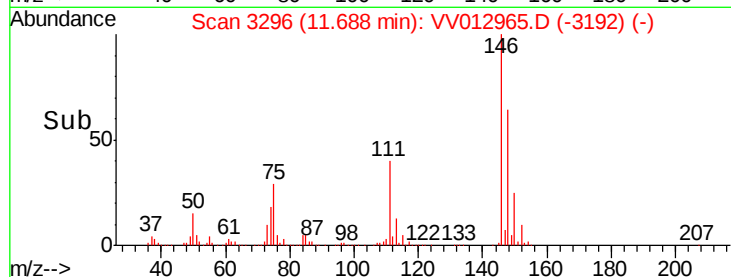
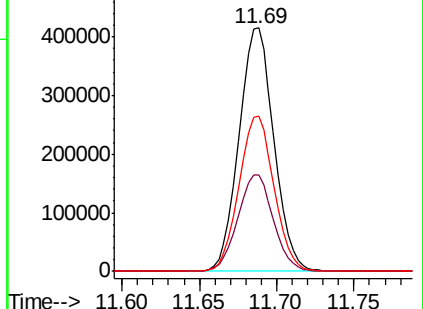
148 63.6 51.0 76.6



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: 24.505 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

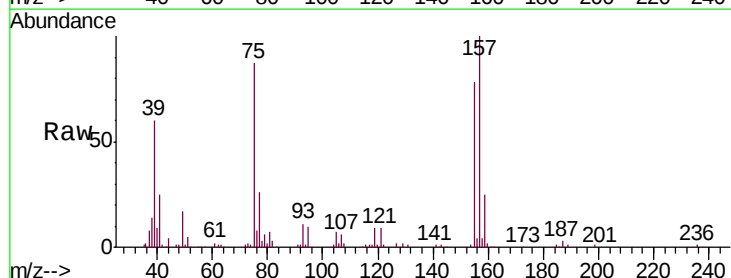
Tgt Ion: 75 Resp: 55123

Ion Ratio Lower Upper

75 100

157 114.3 91.7 137.5

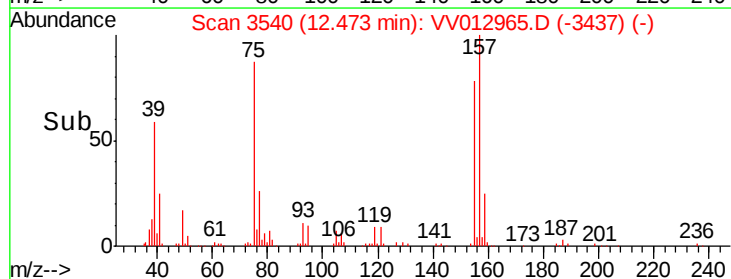
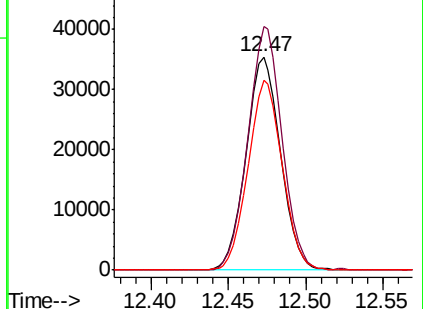
155 88.9 70.8 106.2

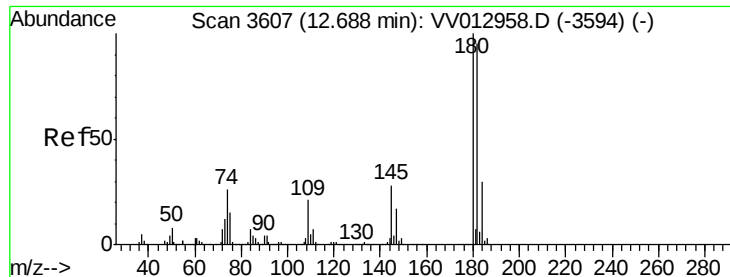


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

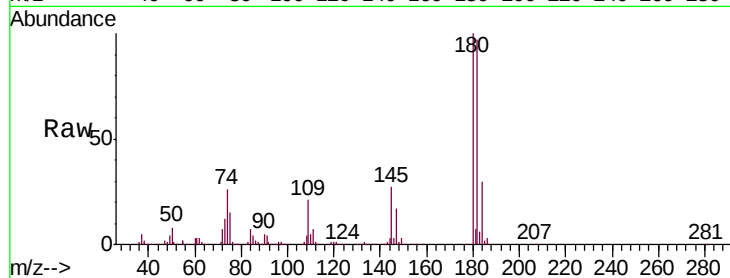




#67
 1,3,5-Trichlorobenzene
 Concen: 26.102 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02570

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.4	114.6
184	30.5	24.6	37.0
145	27.6	22.2	33.4



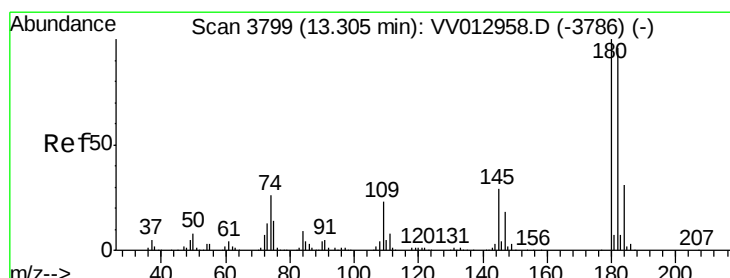
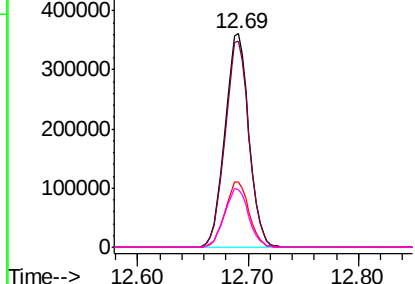
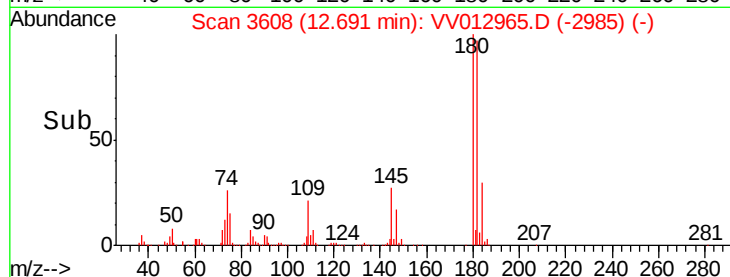
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

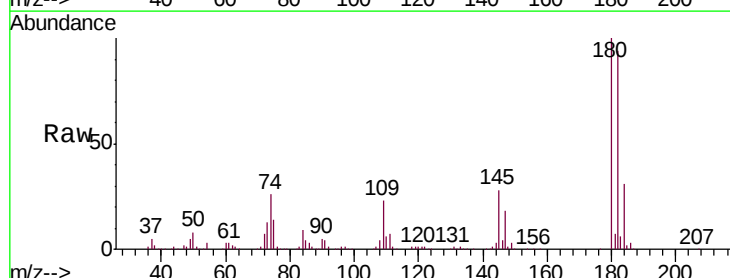
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.318 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012965.D
 Acq: 24 Sep 2019 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	28.3	22.6	34.0

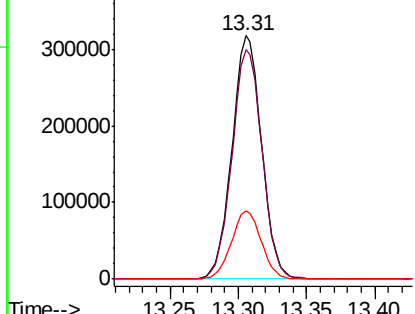
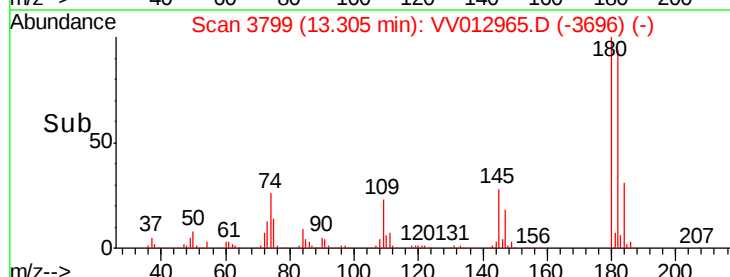


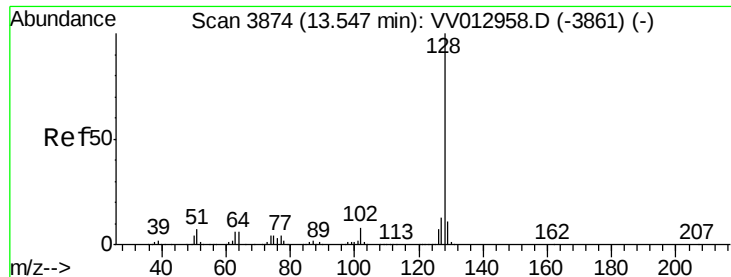
Abundance

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: 27.528 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

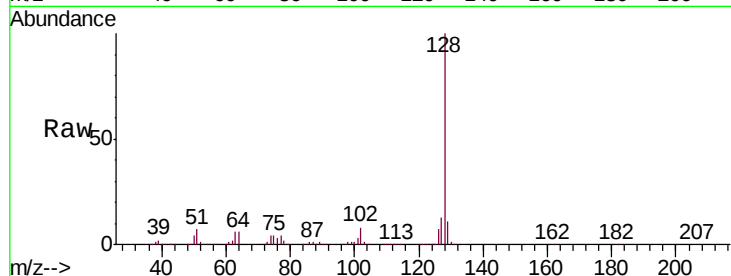
Tgt Ion:128 Resp: 1007442

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

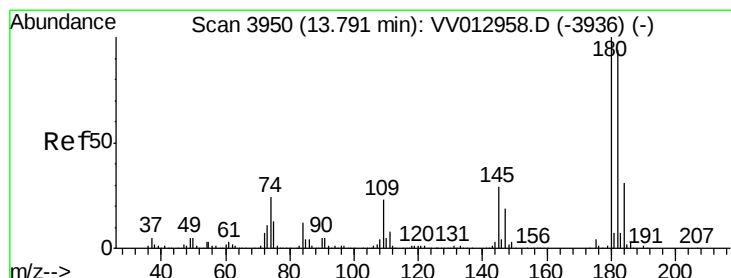
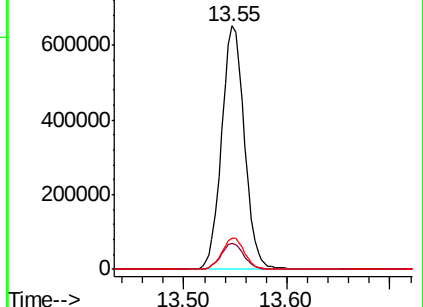
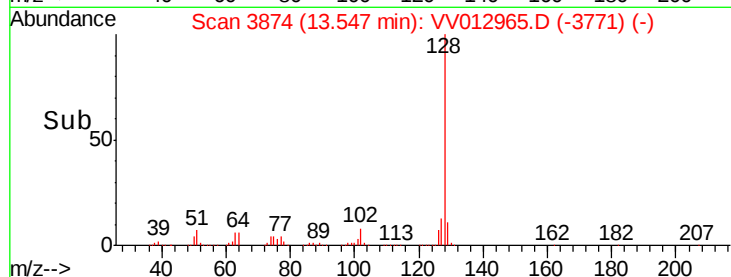
127 12.8 10.2 15.2



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: 26.557 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012965.D

Acq: 24 Sep 2019 18:05

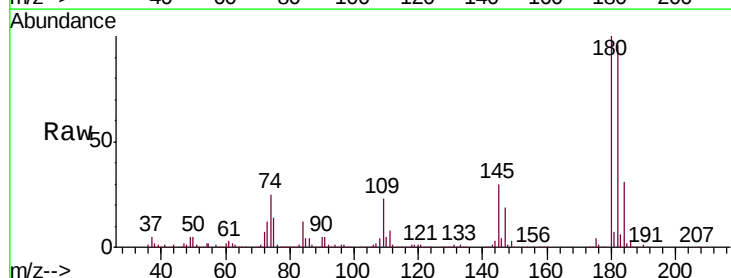
Tgt Ion:180 Resp: 464585

Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

145 30.5 23.9 35.9



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

