

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013806.D
 Acq On : 26 Nov 2019 23:15
 Operator : SY/MD
 Sample : K6056-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFE13

Manual Integrations
 APPROVED

MMDadoda
 11/27/2019 11:40:46 AM

Quant Time: Nov 27 04:50:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	343077	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	330793	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151117	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78462	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.58	69	75465	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.14	63	1017489	28.46	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	569.20%#
20) 2-Butanone-d5	3.95	46	252265	57.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.30%
24) Chloroform-d	4.40	84	172140	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
26) 1,2-Dichloroethane-d4	5.08	65	99948	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	354424	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.11	67	116733	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	287659	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	7.66	79	37778	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.14	63	187603	51.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	91560	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	128203	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11352	0.600	ug/L #	64
12) 1,1-Dichloroethene	2.14	96	1785407	108.241	ug/L #	64
13) Acetone	2.21	43	9903m	3.208	ug/L	
16) Methylene chloride	2.53	84	7166	0.317	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4116	0.221	ug/L	95
19) 1,1-Dichloroethane	3.23	63	1770590	47.616	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	206415	9.450	ug/L	100
25) Chloroform	4.42	83	31811	0.807	ug/L	98
27) 1,2-Dichloroethane	5.18	62	27342	1.212	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	66328	1.960	ug/L	100
33) Benzene	5.15	78	14110	0.174	ug/L	100
34) Trichloroethene	5.96	95	3502043	156.453	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	7398	0.498	ug/L	98
47) Tetrachloroethene	8.02	164	277348	14.269	ug/L	97

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

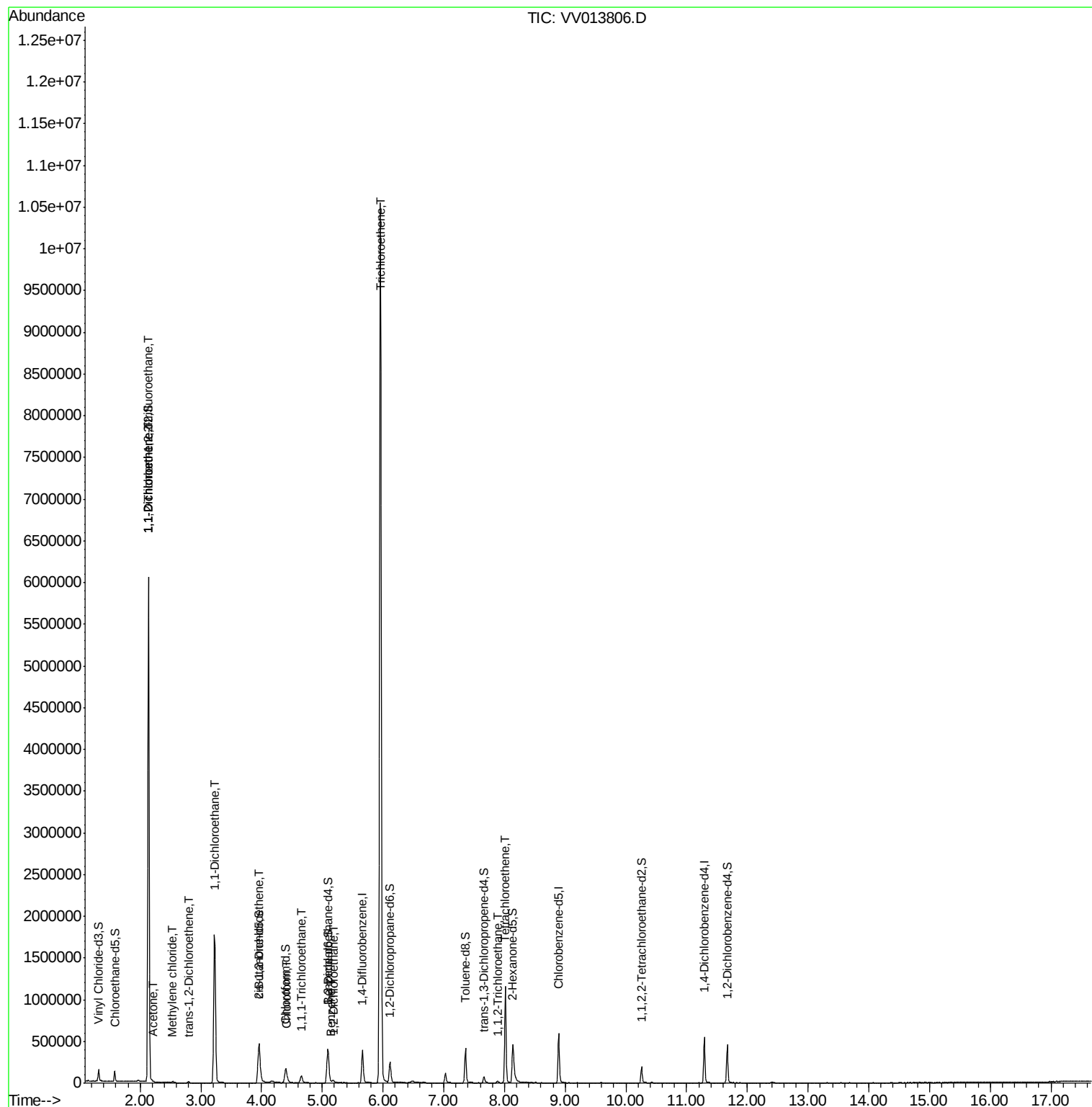
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112619\
Data File : VV013806.D
Acq On : 26 Nov 2019 23:15
Operator : SY/MD
Sample : K6056-06
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 32 Sample Multiplier: 1

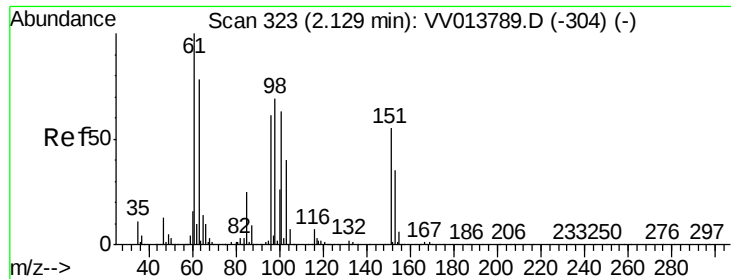
Instrument :
MSVOA_V
ClientSampleId :
BFE13

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Quant Time: Nov 27 04:50:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#10

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

Concen: 0.600 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Instrument :

MSVOA_V

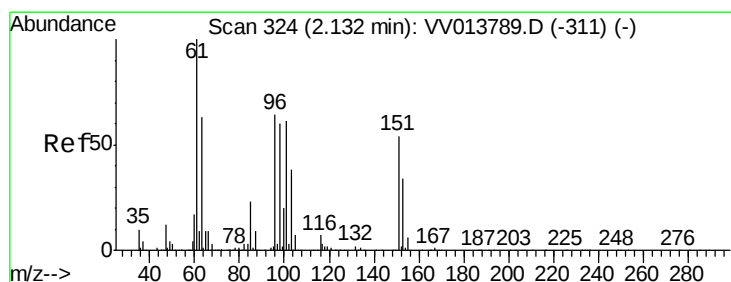
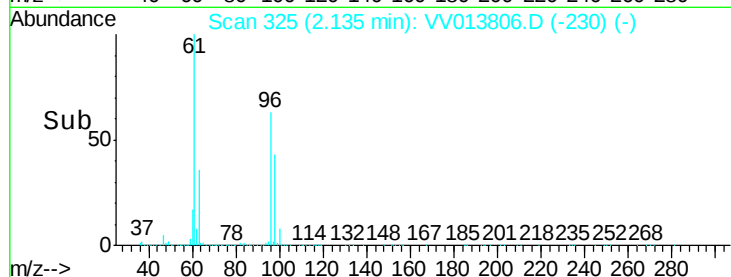
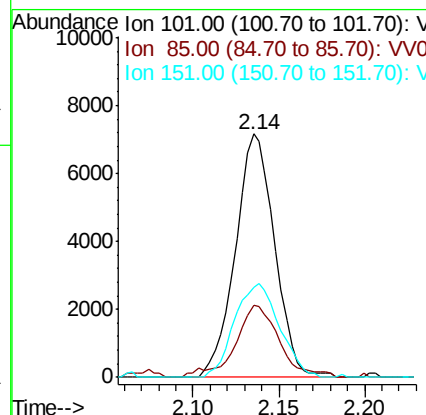
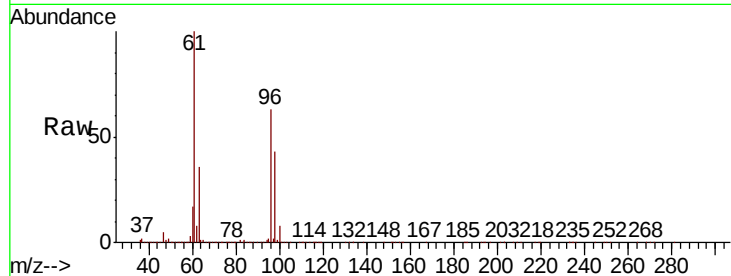
ClientSampleId :

BFE13

Tot Ion:	101	Resp:	11352
Ion Ratio	Lower	Upper	
101	100		
85	33.1	33.4	50.0#
151	44.2	69.4	104.0#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 108.241 ug/L

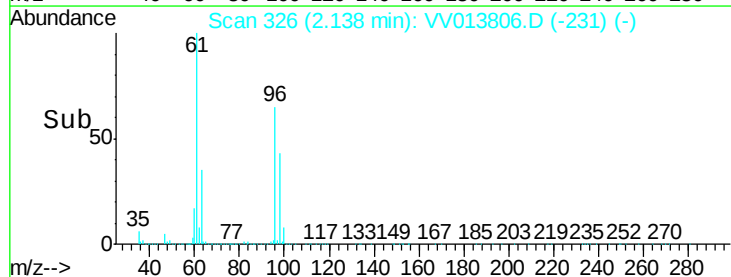
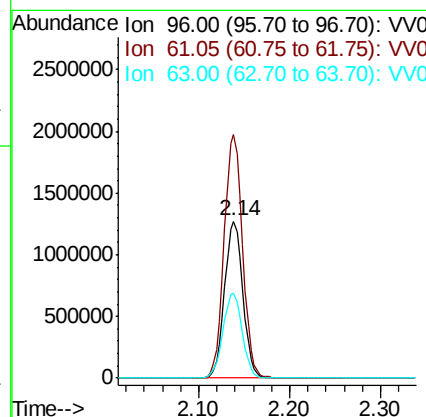
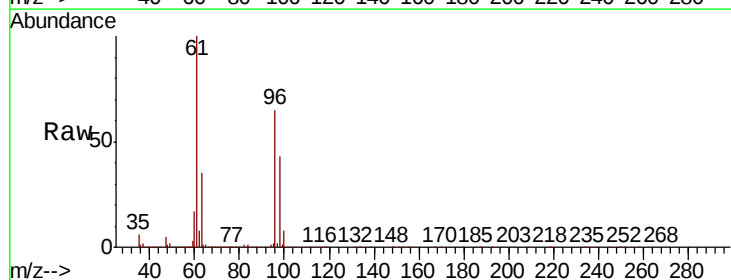
RT: 2.14 min Scan# 326

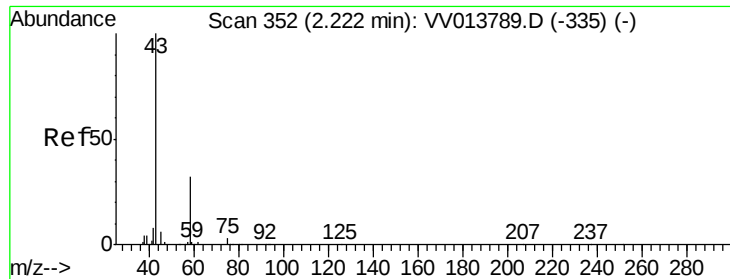
Delta R.T. 0.01 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Tgt Ion:	96	Resp:	1785407
Ion Ratio	Lower	Upper	
96	100		
61	154.9	116.3	215.9
63	54.1	96.7	179.7#





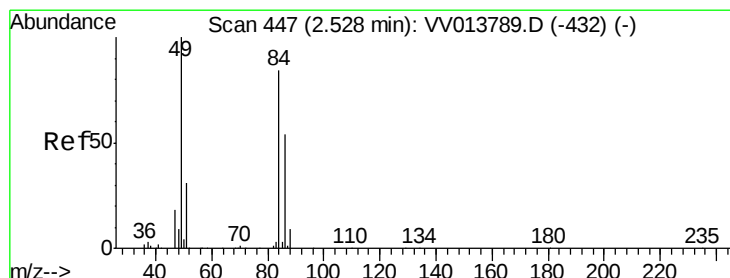
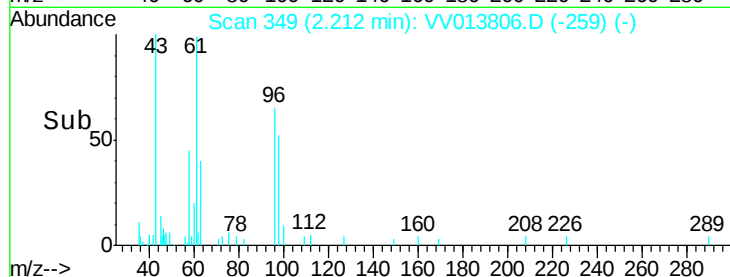
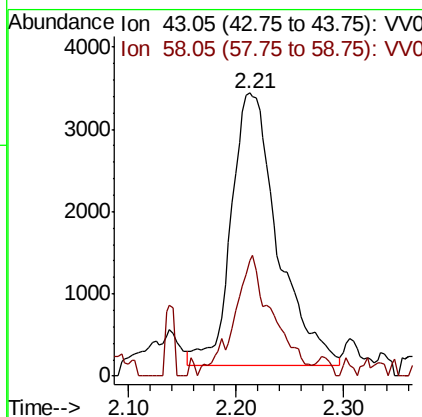
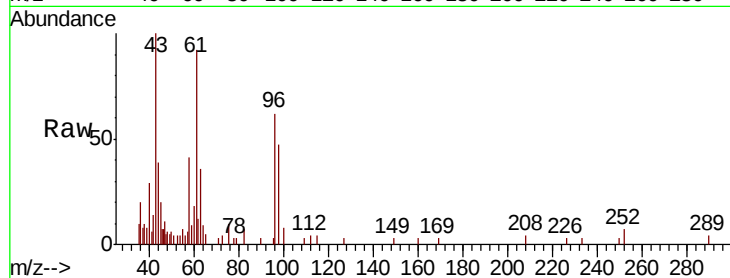
#13
Acetone
Concen: 3.208 ug/L m
RT: 2.21 min Scan# 349
Delta R.T. -0.01 min
Lab File: VV013806.D
Acq: 26 Nov 2019 23:15

Instrument :
MSVOA_V
ClientSampleId :
BFE13

Tot Ion: 43 Resp: 9903
Ion Ratio Lower Upper
43 100
58 1.4 0.0 27.2

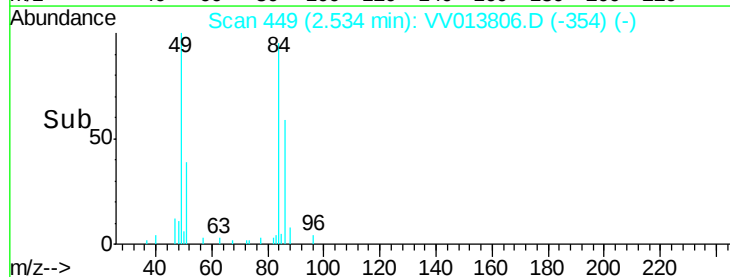
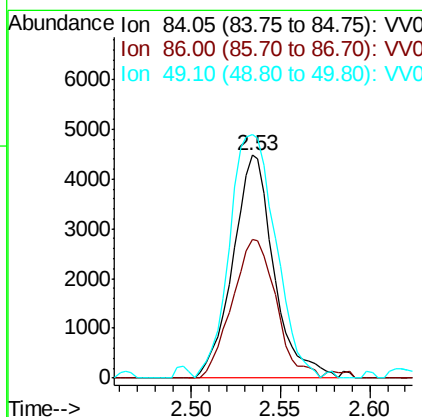
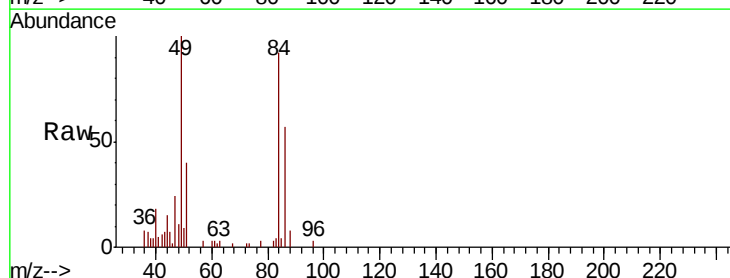
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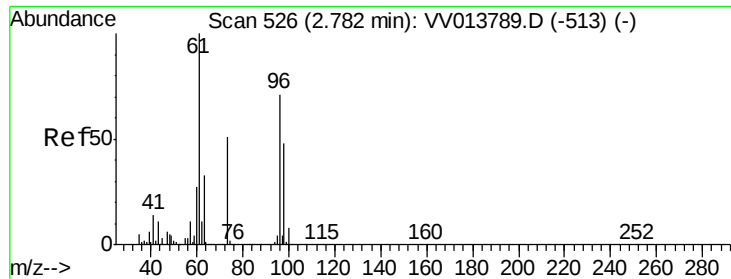
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#16
Methylene chloride
Concen: 0.317 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.01 min
Lab File: VV013806.D
Acq: 26 Nov 2019 23:15

Tgt Ion: 84 Resp: 7166
Ion Ratio Lower Upper
84 100
86 62.2 44.0 81.6
49 109.3 81.5 151.5





#18

trans-1,2-Dichloroethene

Concen: 0.221 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Instrument :

MSVOA_V

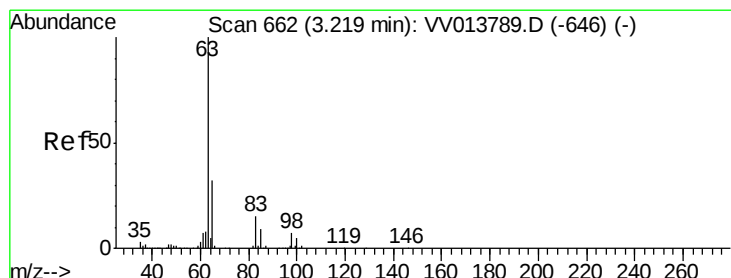
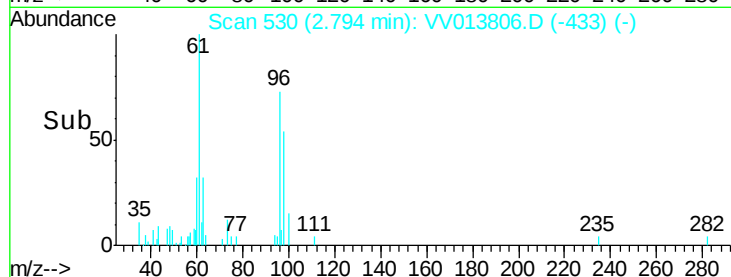
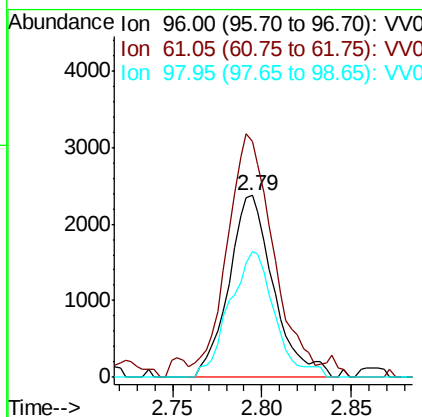
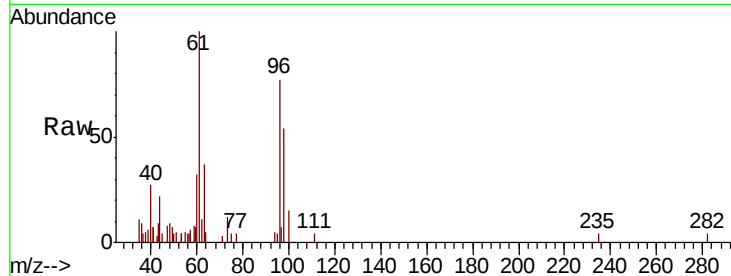
ClientSampleId :

BFE13

Tot Ion:	96	Resp:	4116
Ion	Ratio	Lower	Upper
96	100		
61	129.4	95.1	176.7
98	69.4	46.5	86.3

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#19

1,1-Dichloroethane

Concen: 47.616 ug/L

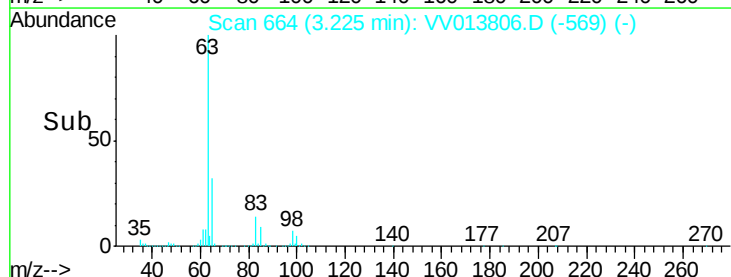
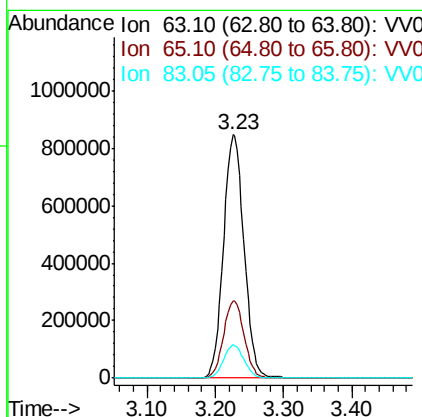
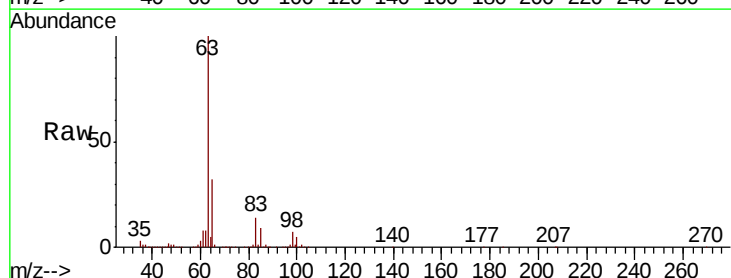
RT: 3.23 min Scan# 664

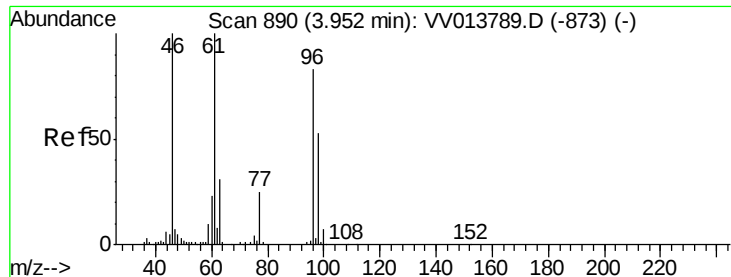
Delta R.T. 0.01 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Tgt Ion:	63	Resp:	1770590
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.7	42.1
83	13.6	9.2	17.2





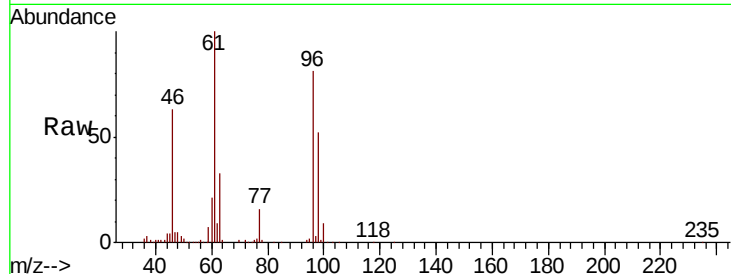
#22
 cis-1,2-Dichloroethene
 Concen: 9.450 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BFE13

Tot Ion	Ratio	Resp	Lower	Upper
96	100	206415		
61	123.0		86.1	159.9
68	0.0		0.0	0.0

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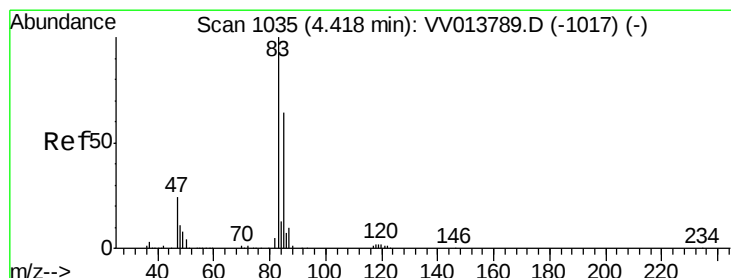
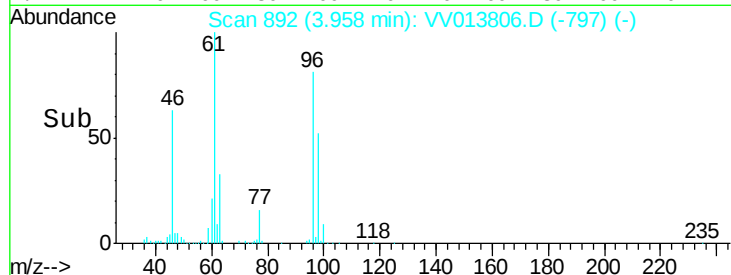
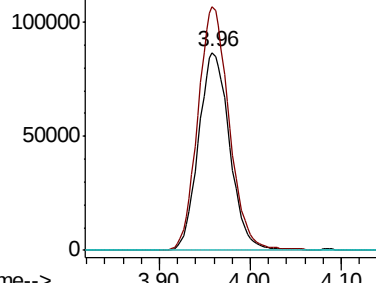
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Abundance Ion 96.00 (95.70 to 96.70): VV013806.D (-797) (-)

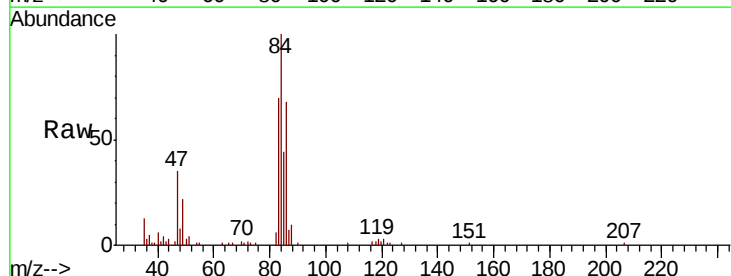
Ion 61.05 (60.75 to 61.75): VV013806.D (-797) (-)

Ion 68.15 (67.85 to 68.85): VV013806.D (-797) (-)



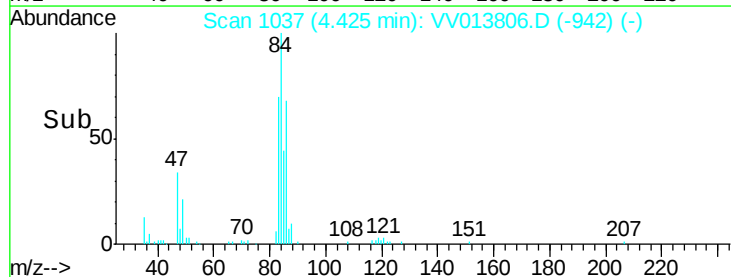
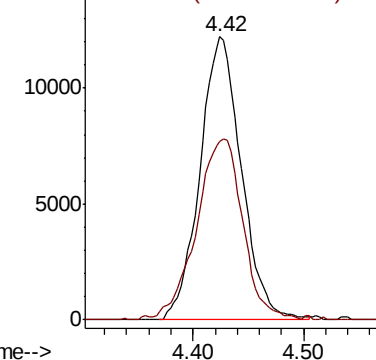
#25
 Chloroform
 Concen: 0.807 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

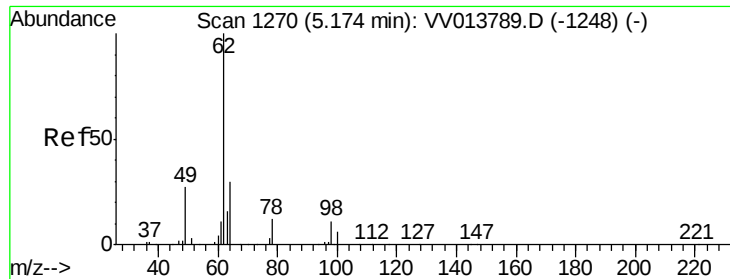
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	31811		
85	63.0		45.1	83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013806.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV013806.D (-942) (-)





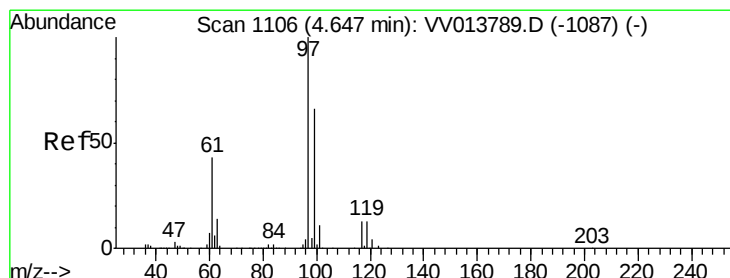
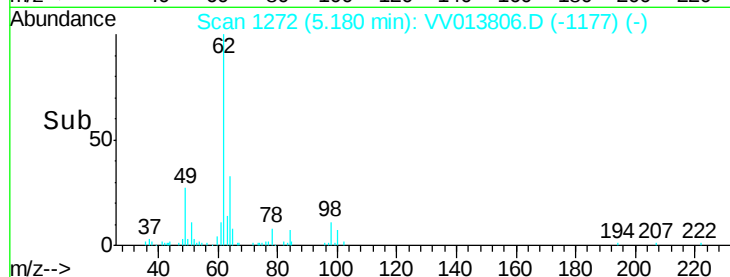
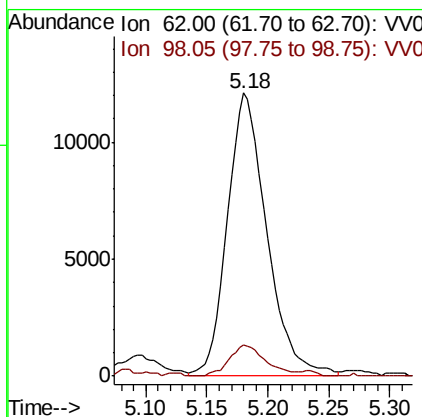
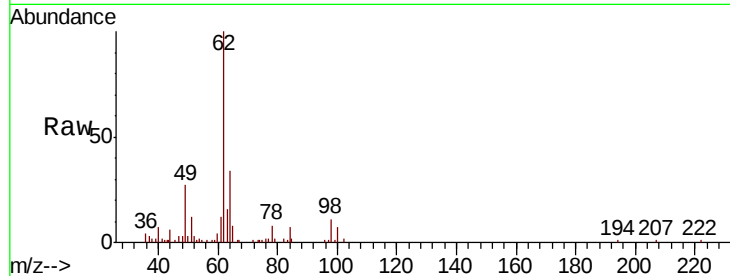
#27
 1,2-Dichloroethane
 Concen: 1.212 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

Instrument :
 MSVOA_V
 ClientSampled :
 BFE13

Tot Ion	Ratio	Resp	Lower	Upper
62	100	27342		
98	11.1		8.2	12.2

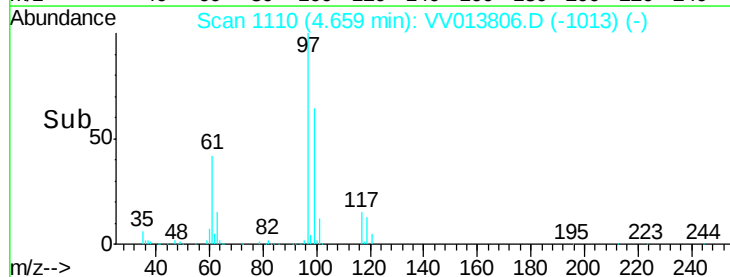
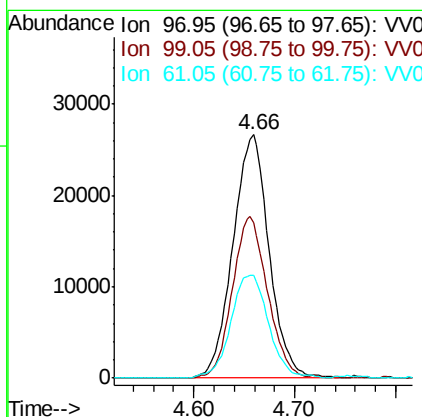
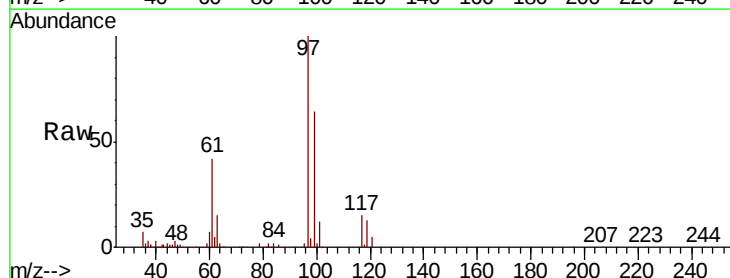
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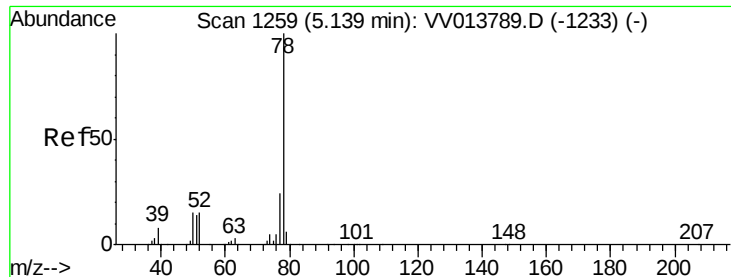
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#29
 1,1,1-Trichloroethane
 Concen: 1.960 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	66328		
99	64.5		51.7	77.5
61	44.2		35.0	52.6





#33

Benzene

Concen: 0.174 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Instrument :

MSVOA_V

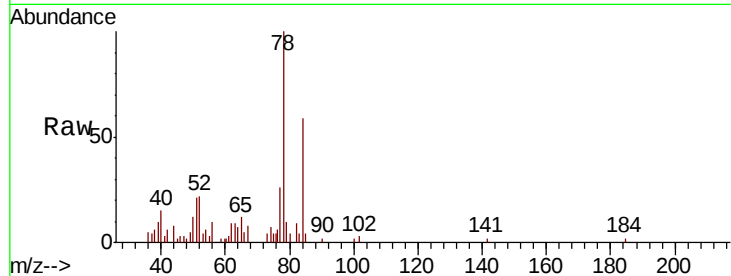
ClientSampleId :

BFE13

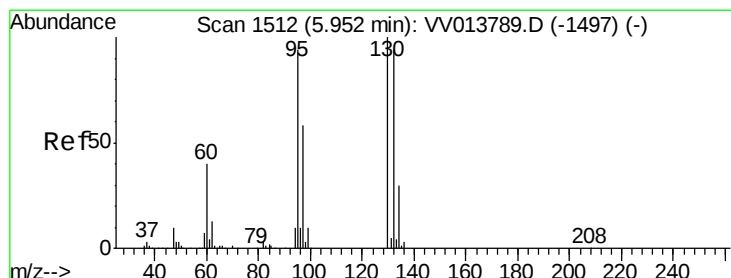
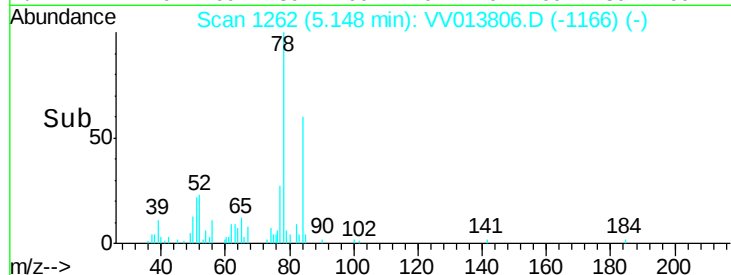
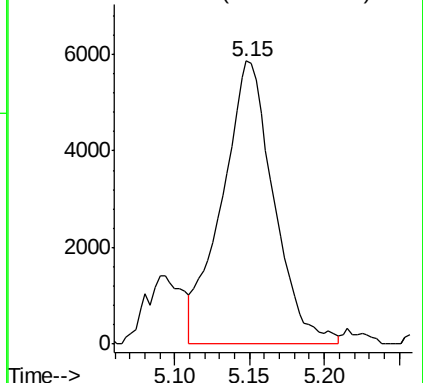
Tgt Ion: 78 Resp: 14110

Manual Integrations
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Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 156.453 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013806.D

Acq: 26 Nov 2019 23:15

Tgt Ion: 95 Resp: 3502043

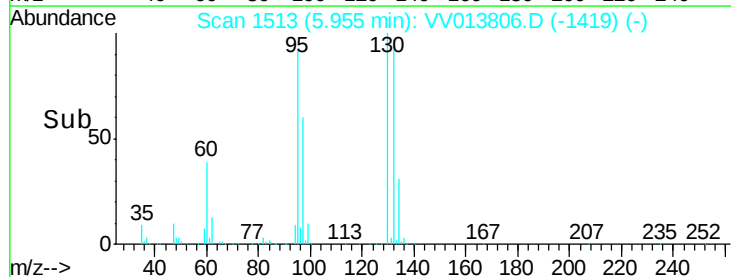
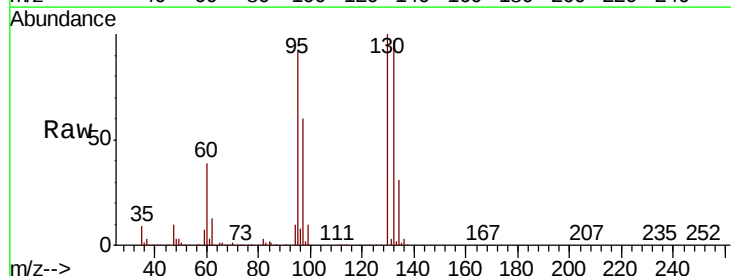
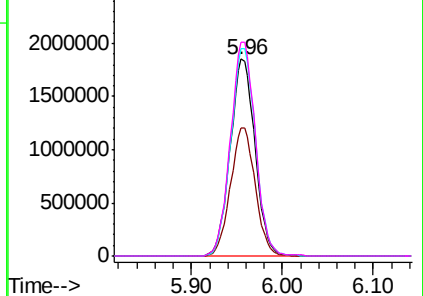
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.8
132	105.2	70.5	130.9
130	108.7	75.9	140.9

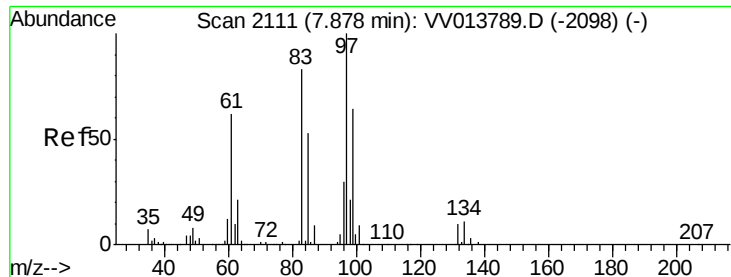
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





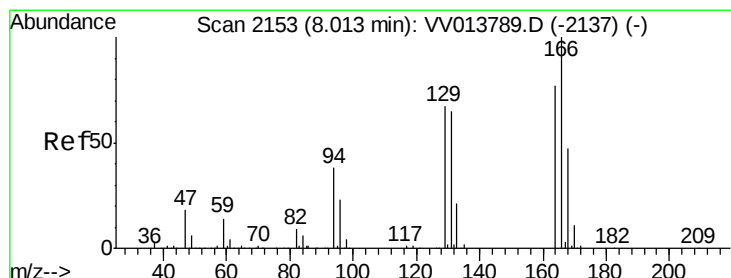
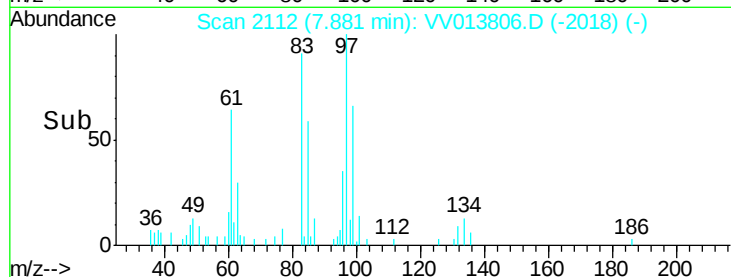
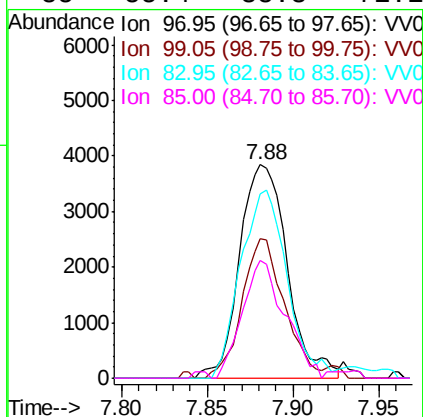
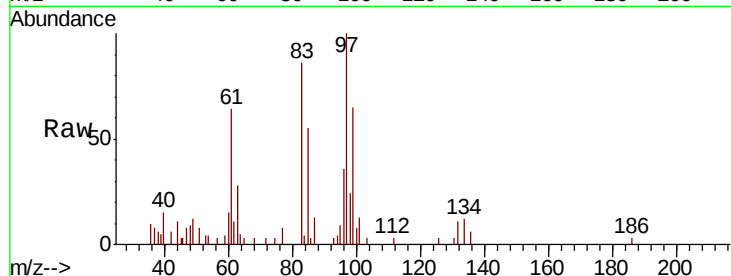
#45
 1,1,2-Trichloroethane
 Concen: 0.498 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

Instrument :
 MSVOA_V
 ClientSampleId :
 BFE13

Tot Ion	97	Resp:	7398
Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.2	82.0
83	86.1	59.7	110.9
85	55.4	38.3	71.1

Manual Integrations
 APPROVED

MMDadoda
 11/27/2019 11:40:46 AM



#47
 Tetrachloroethene
 Concen: 14.269 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013806.D
 Acq: 26 Nov 2019 23:15

Tgt Ion	164	Resp:	277348
Ion	Ratio	Lower	Upper
164	100		
129	84.6	60.3	112.1
131	82.2	59.9	111.3
166	130.0	89.1	165.5

