

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013804.D
 Acq On : 26 Nov 2019 22:27
 Operator : SY/MD
 Sample : K6056-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFE11

Manual Integrations
 APPROVED

MMDadoda
 11/27/2019 11:40:39 AM

Quant Time: Nov 27 04:39:56 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	329164	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	331346	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144122	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78423	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.58	69	78172	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.14	63	441046	12.86	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	257.20%#
20) 2-Butanone-d5	3.92	46	254420	60.07	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.14%
24) Chloroform-d	4.40	84	172523	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.08	65	98435	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	362264	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.11	67	119995	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	292056	3.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloropropene-	7.66	79	37474	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.13	63	186449	50.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90851	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	130320	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15796	0.871	ug/L	88
12) 1,1-Dichloroethene	2.14	96	652253	41.214	ug/L #	69
13) Acetone	2.19	43	6769m	2.286	ug/L	
17) Methyl tert-butyl Ether	2.80	73	24382	0.563	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4540	0.254	ug/L	98
19) 1,1-Dichloroethane	3.23	63	339225	9.508	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	1037797	49.521	ug/L #	99
25) Chloroform	4.43	83	78091	2.065	ug/L	98
27) 1,2-Dichloroethane	5.18	62	7064	0.326	ug/L #	91
29) 1,1,1-Trichloroethane	4.66	97	138617	4.090	ug/L	99
31) Carbon tetrachloride	4.87	117	6744	0.226	ug/L	91
34) Trichloroethene	5.96	95	2677319	119.409	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	4426	0.297	ug/L	87
47) Tetrachloroethene	8.02	164	789478	40.550	ug/L	98

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

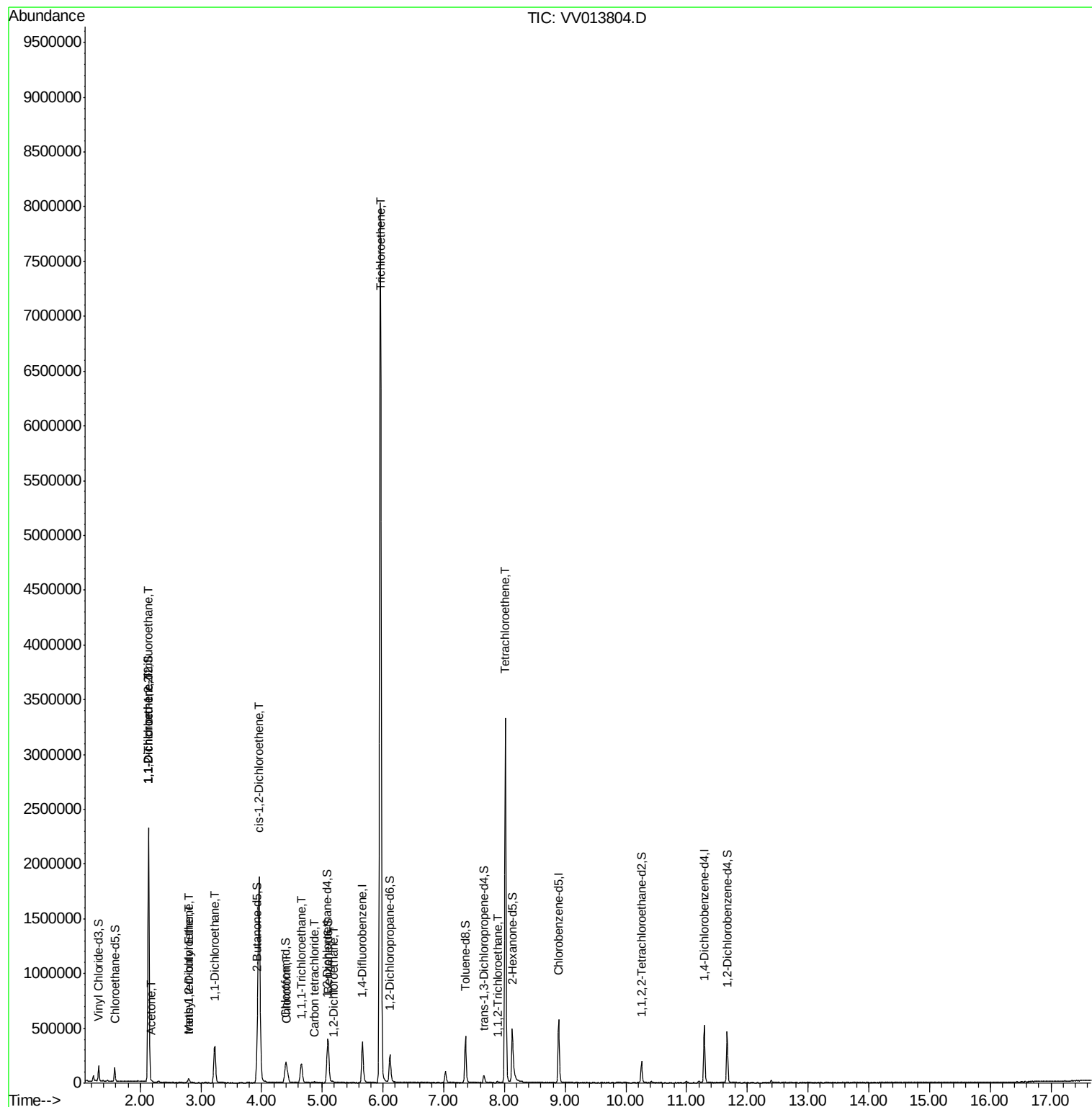
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112619\
Data File : VV013804.D
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ALS Vial : 30 Sample Multiplier: 1

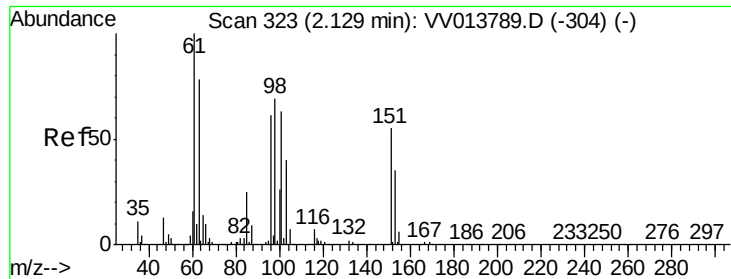
Instrument :
MSVOA_V
ClientSampleId :
BFE11

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Quant Time: Nov 27 04:39:56 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: 0.871 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Instrument :

MSVOA_V

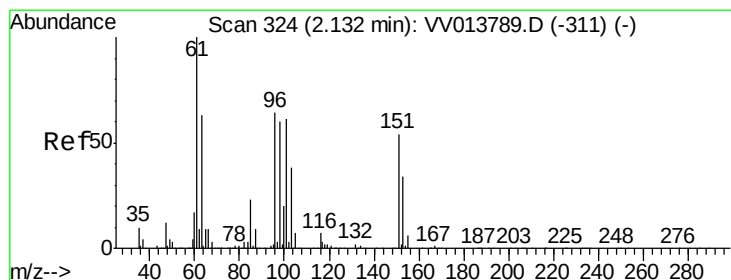
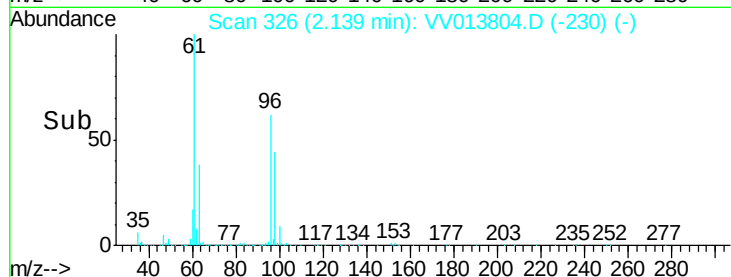
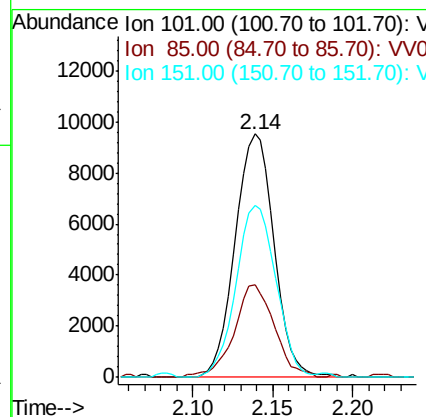
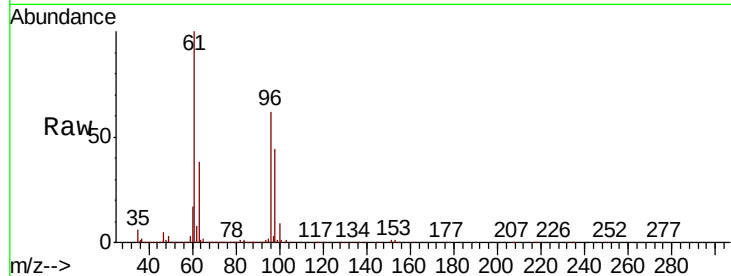
ClientSampleId :

BFE11

Tot Ion:	101	Resp:	15796
Ion Ratio	Lower	Upper	
101	100		
85	39.1	33.4	50.0
151	72.3	69.4	104.0

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 41.214 ug/L

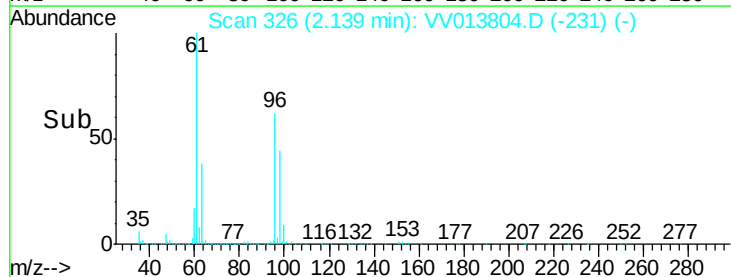
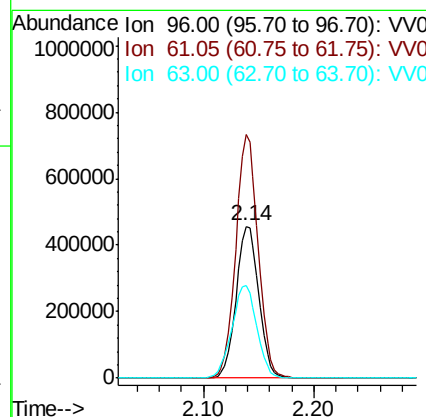
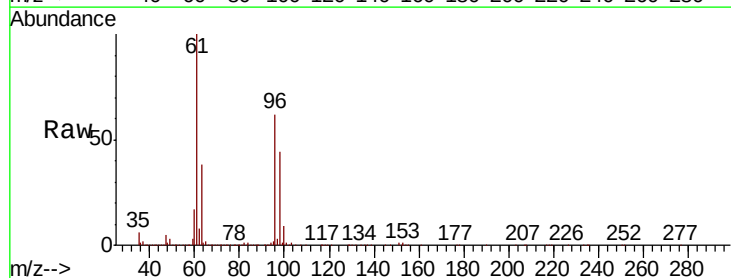
RT: 2.14 min Scan# 326

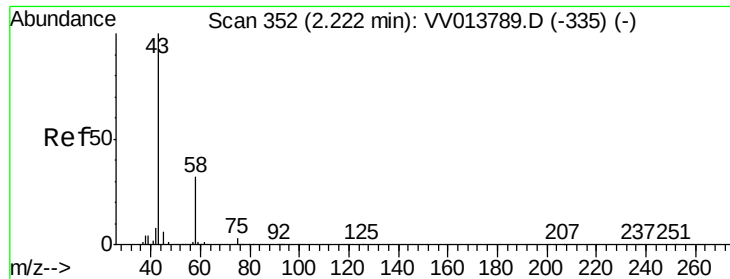
Delta R.T. 0.01 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Tgt Ion:	96	Resp:	652253
Ion Ratio	Lower	Upper	
96	100		
61	160.1	116.3	215.9
63	61.0	96.7	179.7#





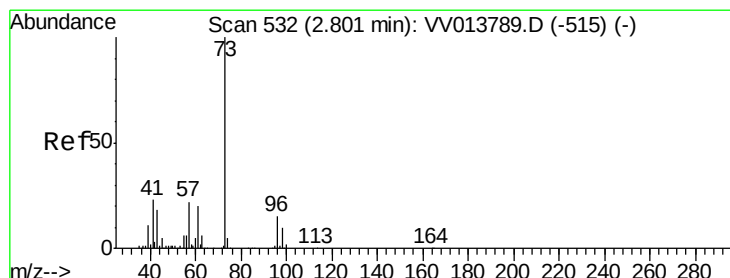
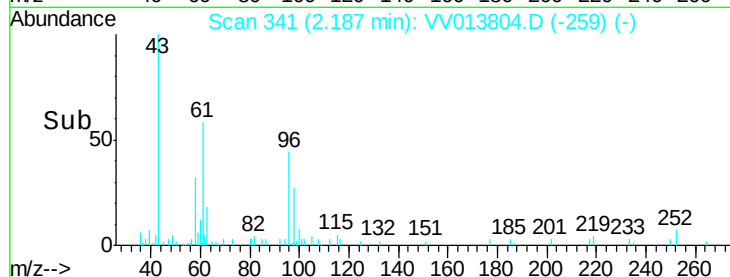
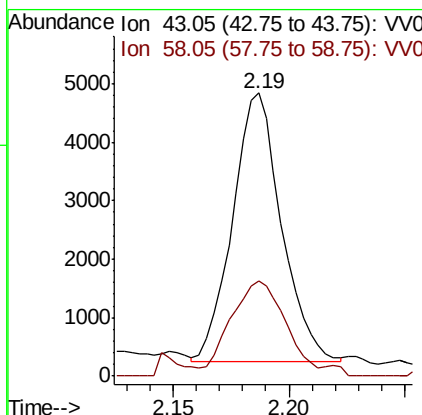
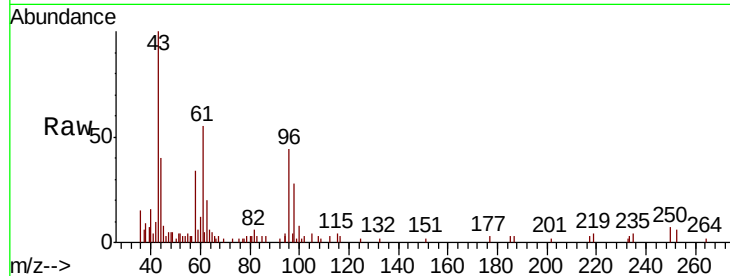
#13
Acetone
Concen: 2.286 ug/L m
RT: 2.19 min Scan# 341
Delta R.T. -0.04 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Instrument :
MSVOA_V
ClientSampled :
BFE11

Tot Ion	Ratio	Lower	Upper
43	100		
58	7.4	0.0	27.2

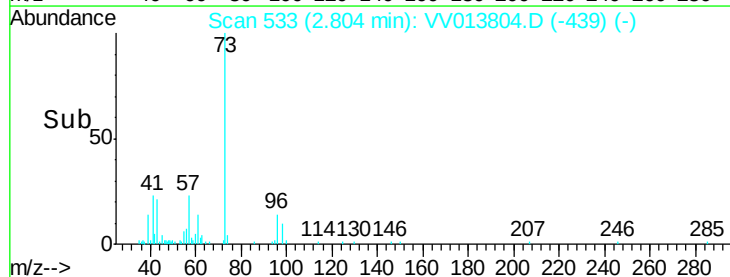
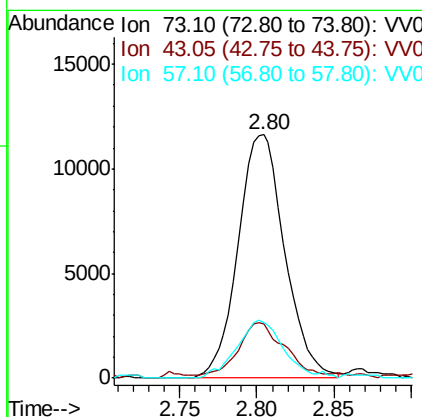
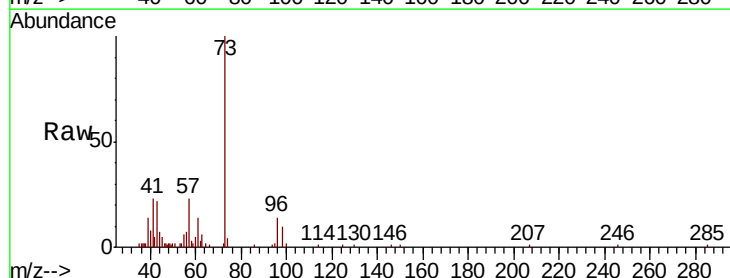
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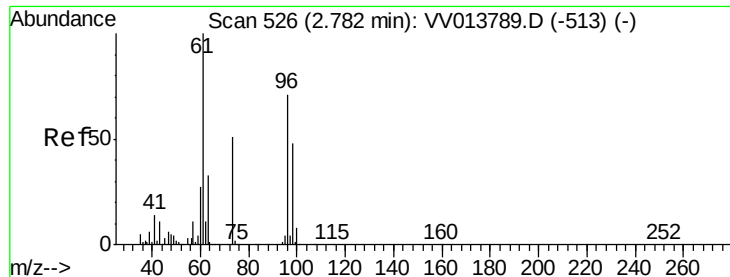
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#17
Methyl tert-butyl Ether
Concen: 0.563 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.7	15.5	23.3
57	23.4	17.5	26.3





#18

trans-1,2-Dichloroethene

Concen: 0.254 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Instrument :

MSVOA_V

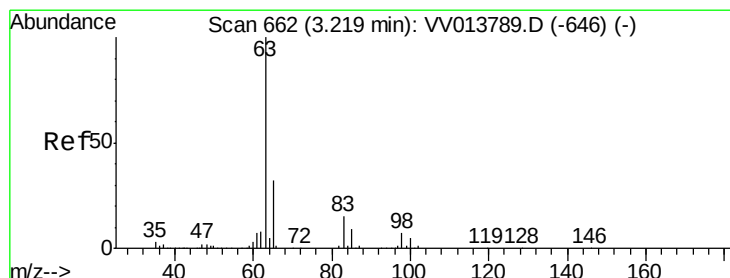
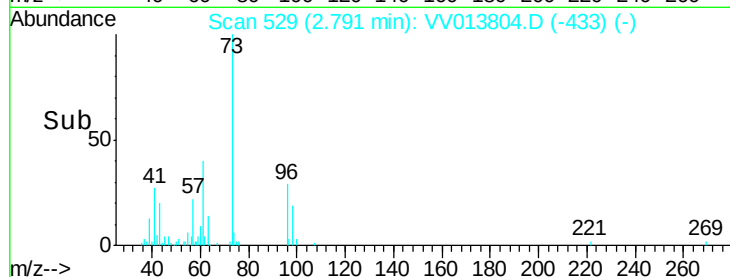
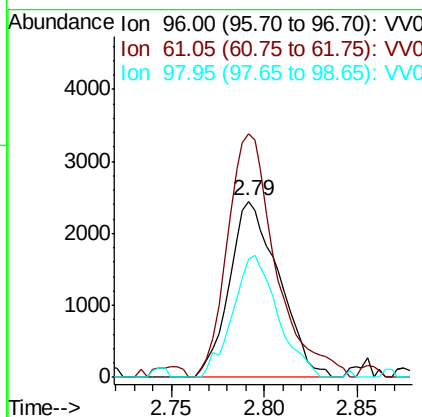
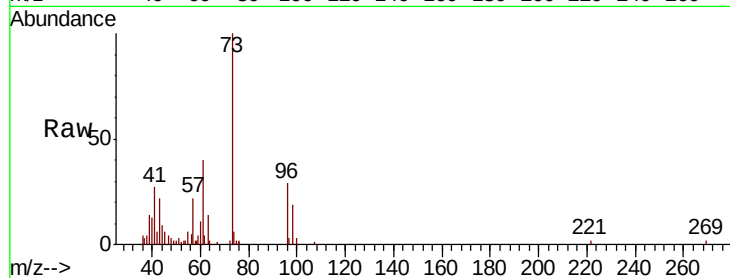
ClientSampled :

BFE11

Tot Ion:	96	Resp:	4540
Ion	Ratio	Lower	Upper
96	100		
61	138.2	95.1	176.7
98	67.3	46.5	86.3

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#19

1,1-Dichloroethane

Concen: 9.508 ug/L

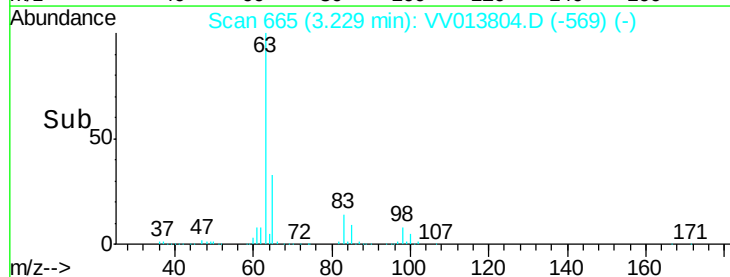
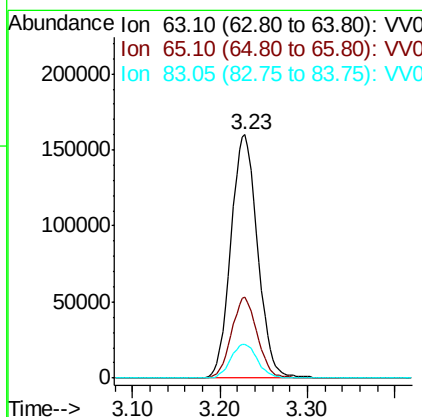
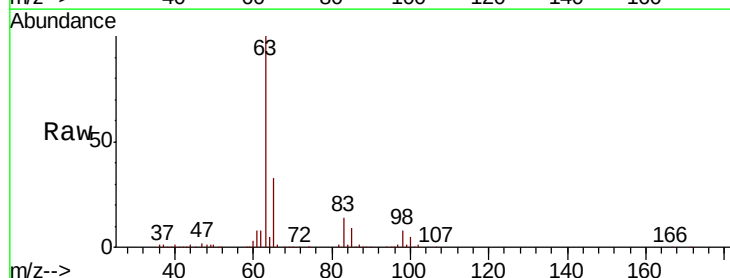
RT: 3.23 min Scan# 665

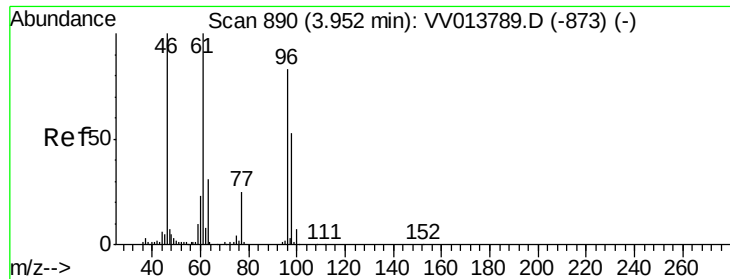
Delta R.T. 0.01 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Tgt Ion:	63	Resp:	339225
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.7	42.1
83	13.9	9.2	17.2





#22

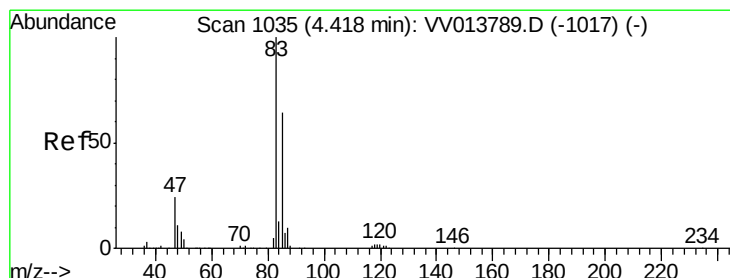
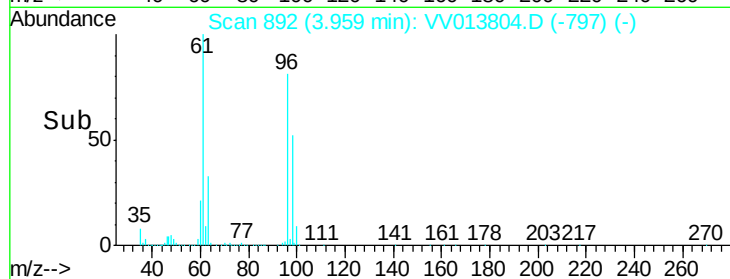
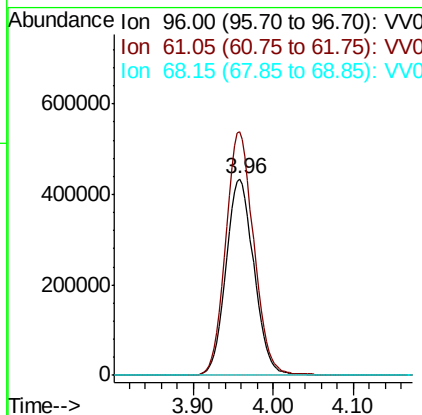
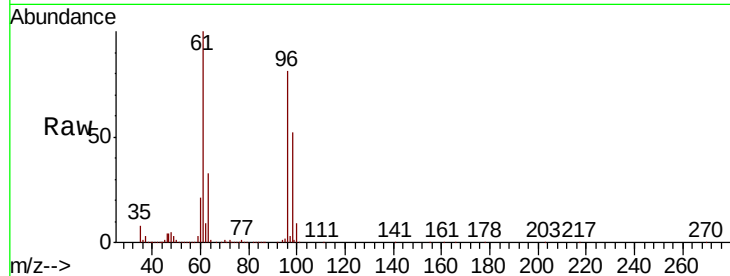
cis-1,2-Dichloroethene
Concen: 49.521 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.01 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Instrument :
MSVOA_V
ClientSampleId :
BFE11

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	86.1	159.9
68	0.0	0.0	0.0#

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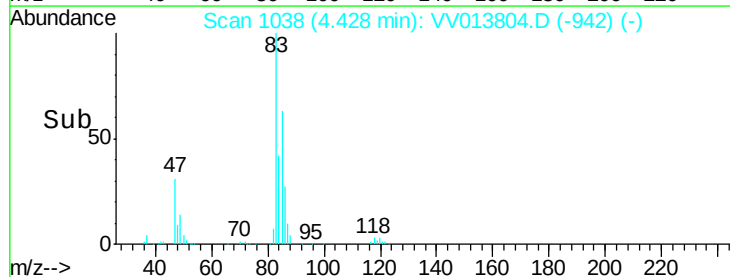
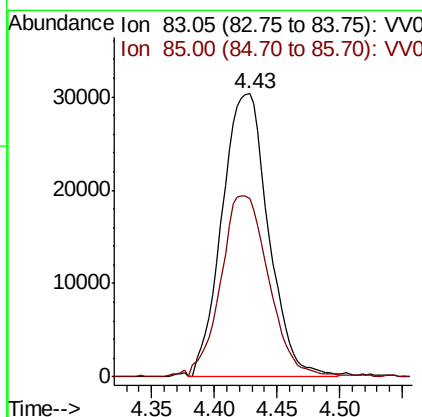
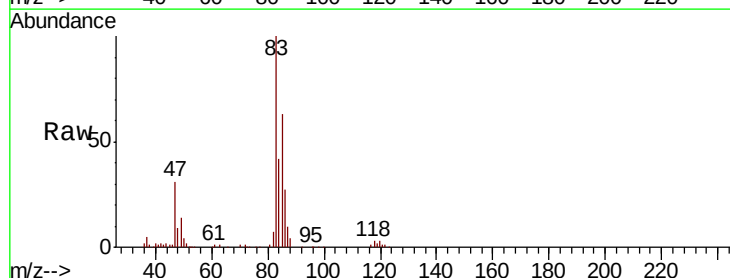
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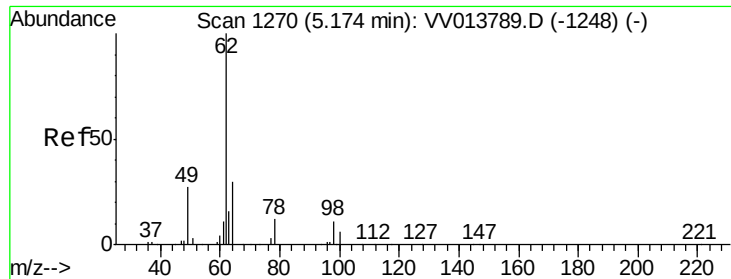


#25

Chloroform
Concen: 2.065 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	45.1	83.7





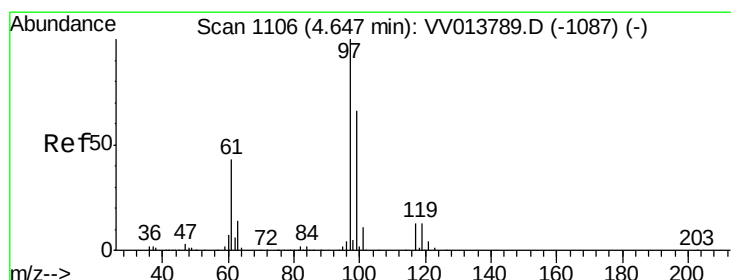
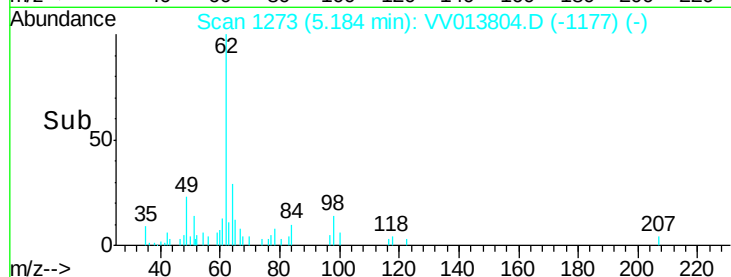
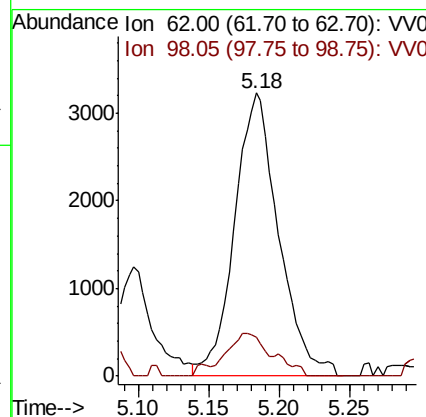
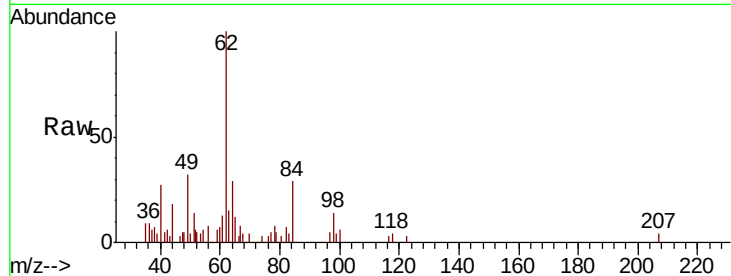
#27
 1,2-Dichloroethane
 Concen: 0.326 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV013804.D
 Acq: 26 Nov 2019 22:27

Instrument :
 MSVOA_V
 ClientSampled :
 BFE11

Tot Ion	Ratio	Lower	Upper
62	100		
98	13.7	8.2	12.2#

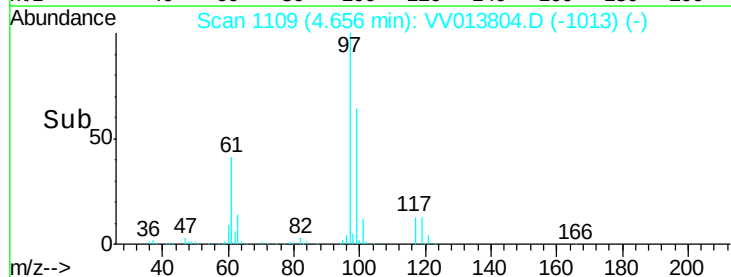
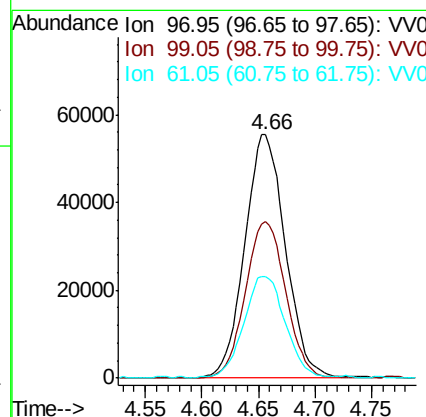
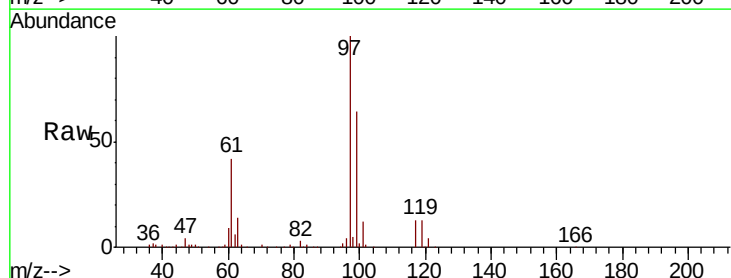
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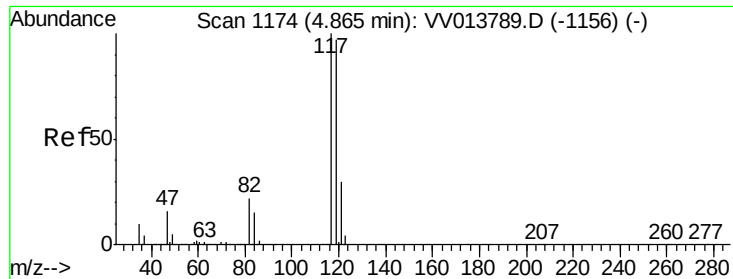
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#29
 1,1,1-Trichloroethane
 Concen: 4.090 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013804.D
 Acq: 26 Nov 2019 22:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.7	35.0	52.6





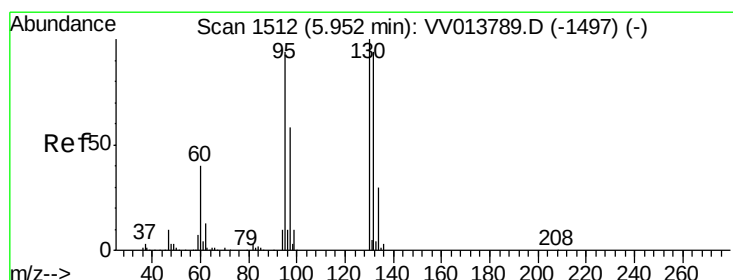
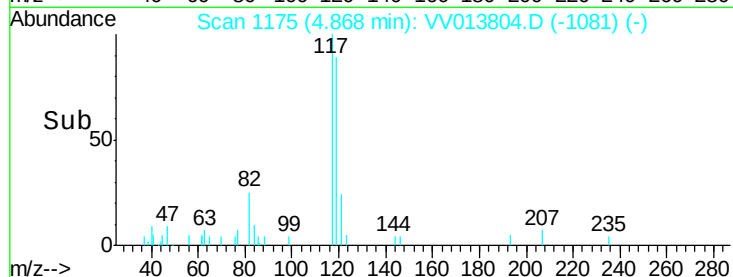
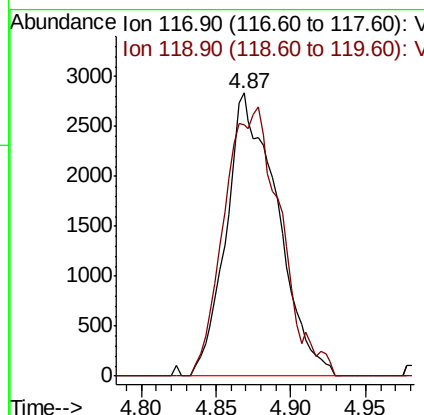
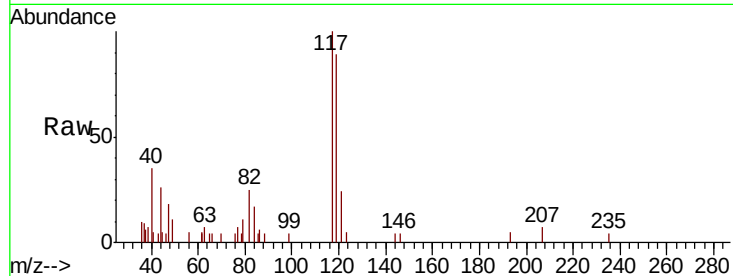
#31
Carbon tetrachloride
Concen: 0.226 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Instrument :
MSVOA_V
ClientSampleId :
BFE11

Tot Ion:117 Resp: 6744
Ion Ratio Lower Upper
117 100
119 105.1 76.8 115.2

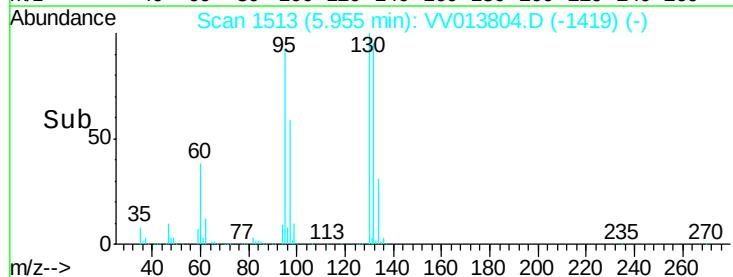
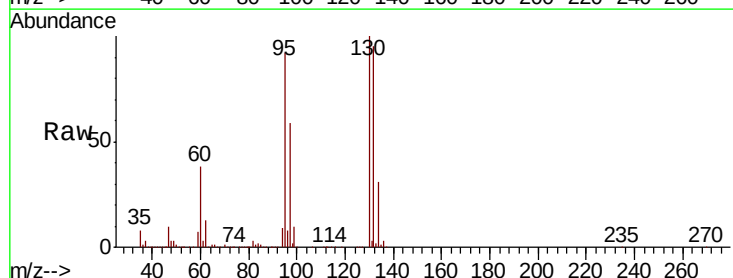
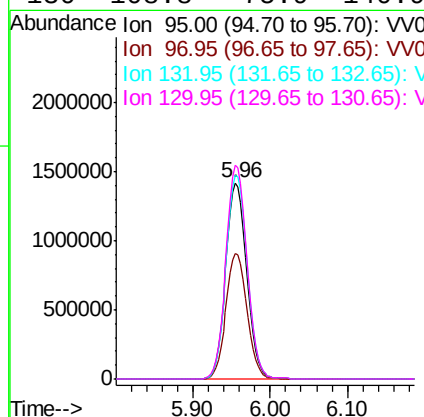
Manual Integrations
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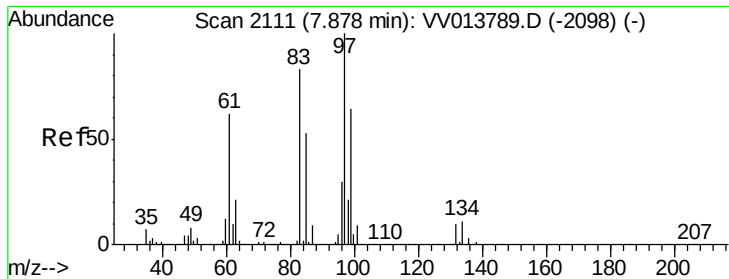
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11/27/2019 11:40:39 AM



#34
Trichloroethene
Concen: 119.409 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013804.D
Acq: 26 Nov 2019 22:27

Tgt Ion: 95 Resp: 2677319
Ion Ratio Lower Upper
95 100
97 64.2 45.6 84.8
132 103.8 70.5 130.9
130 108.8 75.9 140.9





#45

1,1,2-Trichloroethane

Concen: 0.297 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Instrument :

MSVOA_V

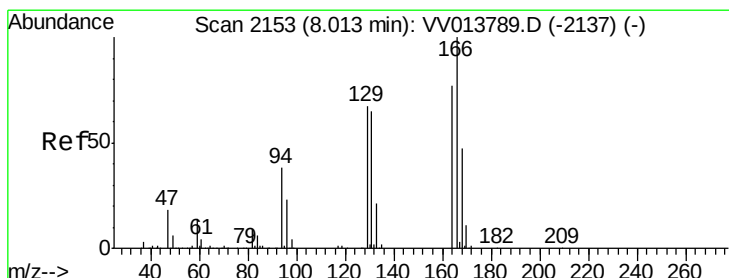
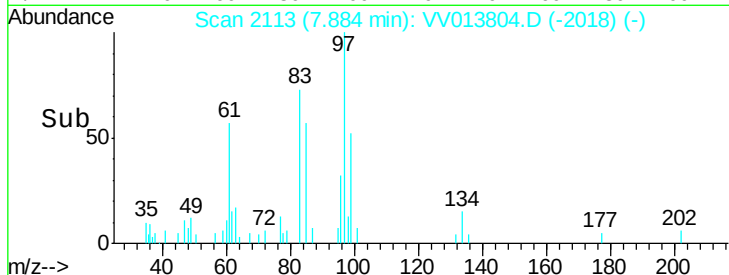
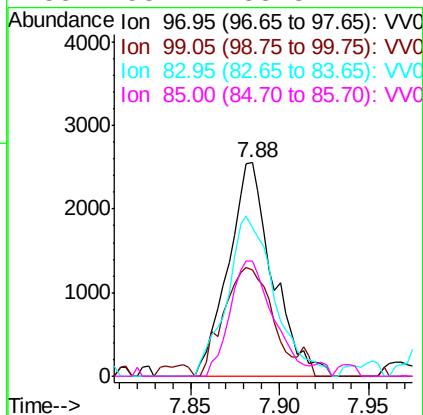
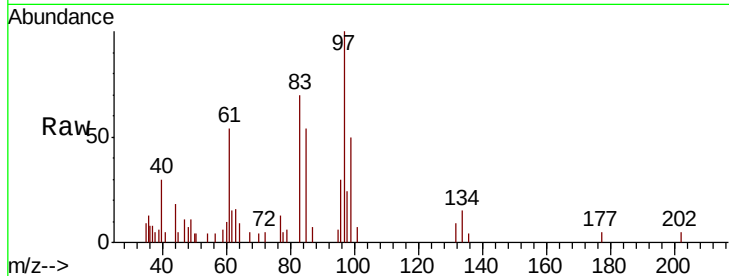
ClientSampleId :

BFE11

Tot Ion:	97	Resp:	4426
Ion	Ratio	Lower	Upper
97	100		
99	49.7	44.2	82.0
83	69.8	59.7	110.9
85	53.7	38.3	71.1

Manual Integrations
APPROVED

MMDadoda
11/27/2019 11:40:39 AM



#47

Tetrachloroethene

Concen: 40.550 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013804.D

Acq: 26 Nov 2019 22:27

Tgt Ion:	164	Resp:	789478
Ion	Ratio	Lower	Upper
164	100		
129	85.2	60.3	112.1
131	83.0	59.9	111.3
166	129.8	89.1	165.5

