

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013745.D
 Acq On : 22 Nov 2019 19:48
 Operator : SY/MD
 Sample : K5941-18
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AD4

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 12:53:53 PM

Quant Time: Nov 23 03:20:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 01:35:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	340772	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342683	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	160306	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104754	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.58	69	95494	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.13	63	226156	6.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	127.40%#
20) 2-Butanone-d5	3.92	46	259607	59.21	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.42%
24) Chloroform-d	4.40	84	220807	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	112204	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.09	84	429025	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.11	67	133202	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	373440	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	46210	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.13	63	198597	52.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101595	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159862	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	37900	1.862	ug/L #	1
8) Chloroethane	1.60	64	50259	4.097	ug/L	84
12) 1,1-Dichloroethene	2.14	96	164905	10.065	ug/L #	79
13) Acetone	2.18	43	19632m	6.403	ug/L	
14) Carbon disulfide	2.32	76	8922	0.236	ug/L #	94
15) Methyl Acetate	2.46	43	5499	0.801	ug/L #	87
16) Methylene chloride	2.53	84	6514	0.290	ug/L	85
17) Methyl tert-butyl Ether	2.80	73	69897	1.559	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4401	0.238	ug/L	97
19) 1,1-Dichloroethane	3.23	63	505025	13.673	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	41838	1.928	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	137900	3.934	ug/L	97
34) Trichloroethene	5.96	95	1112170	47.962	ug/L	97
42) Toluene	7.43	91	37220	0.413	ug/L	96
47) Tetrachloroethene	8.02	164	47639	2.366	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	4108	0.088	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	3724	0.079	ug/L	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.69	146	3231	0.075	ug/L	95

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

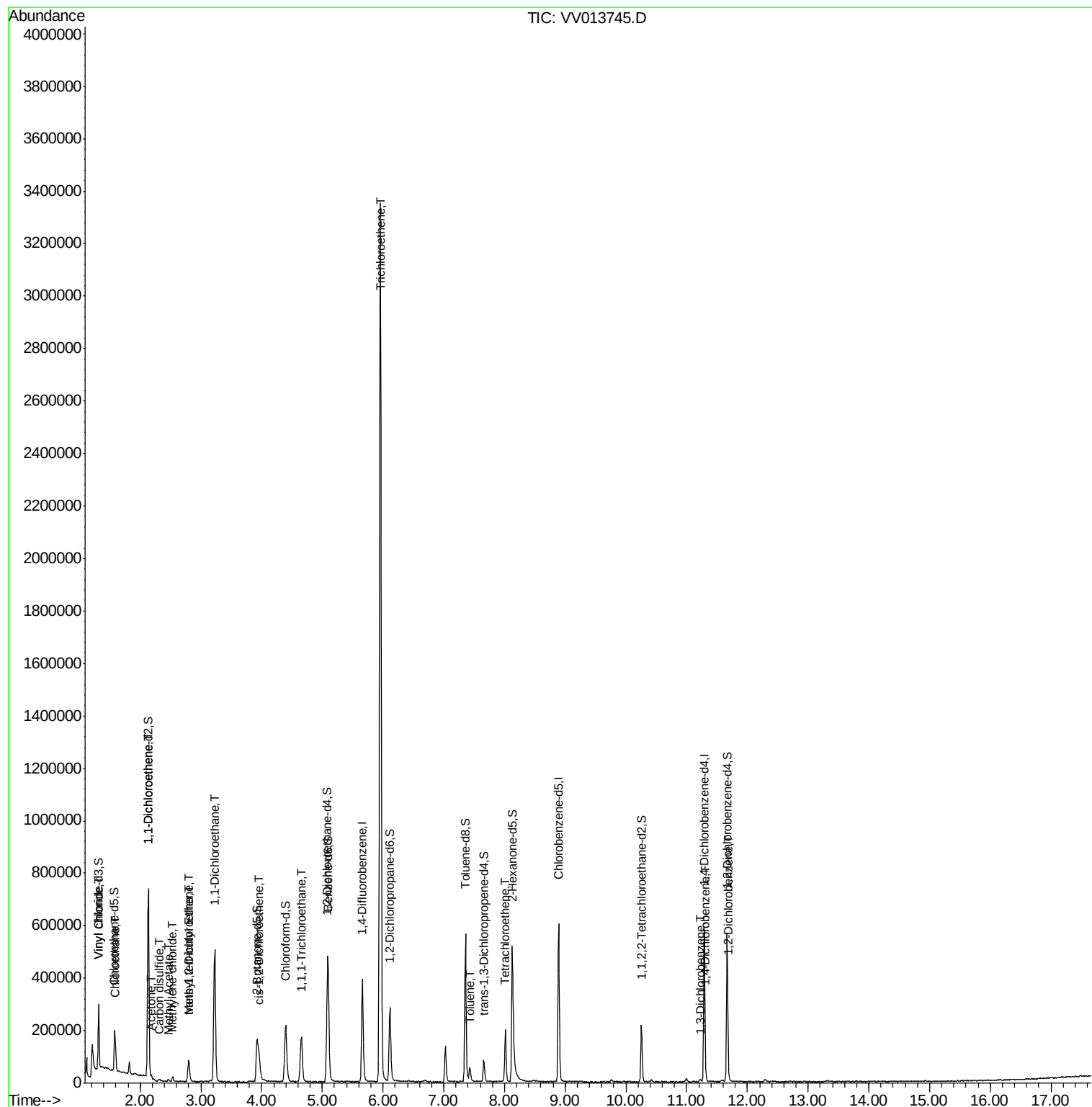
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV112219\
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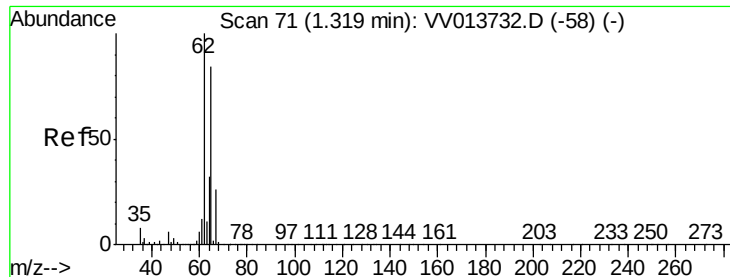
Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Manual Integrations
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Quant Time: Nov 23 03:20:04 2019
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QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.862 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD4

Tot Ion: 62 Resp: 37900

Ion Ratio Lower Upper

62 100

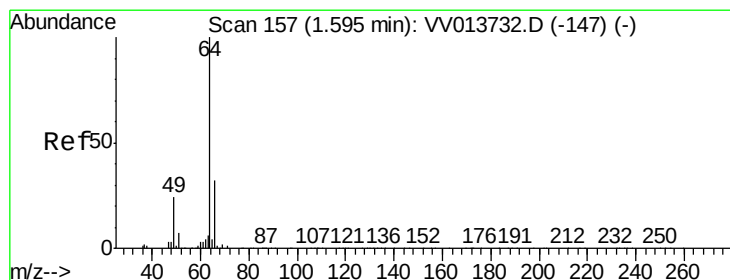
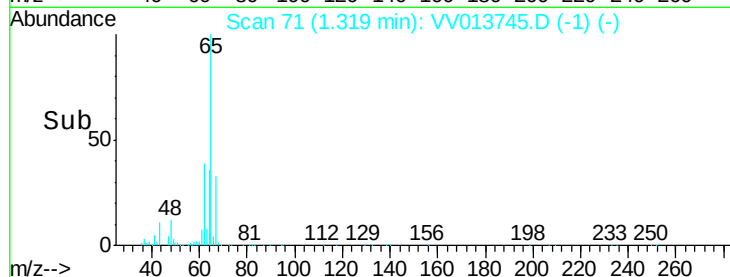
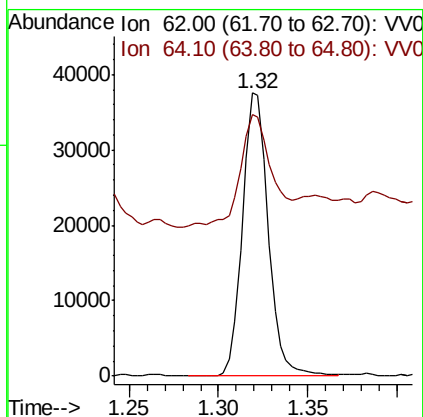
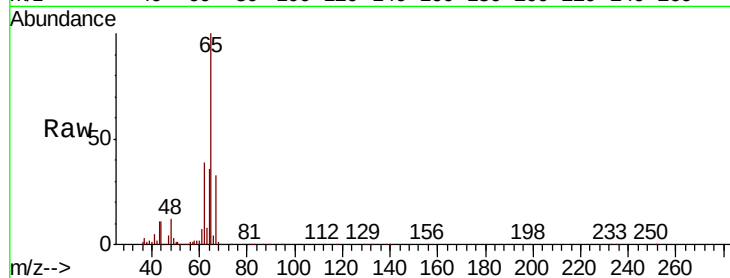
64 92.4 23.3 43.3#

Manual Integrations

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#8

Chloroethane

Concen: 4.097 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013745.D

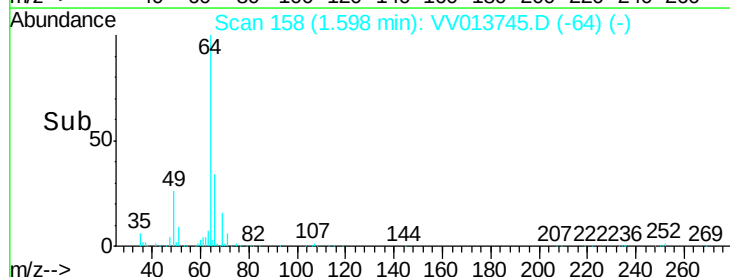
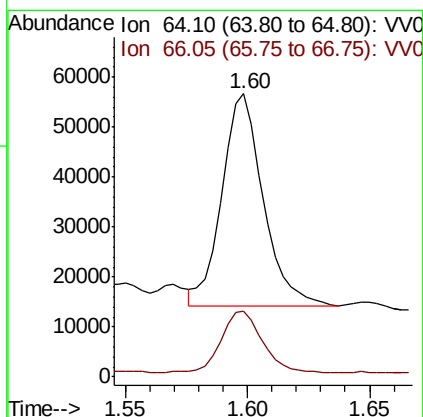
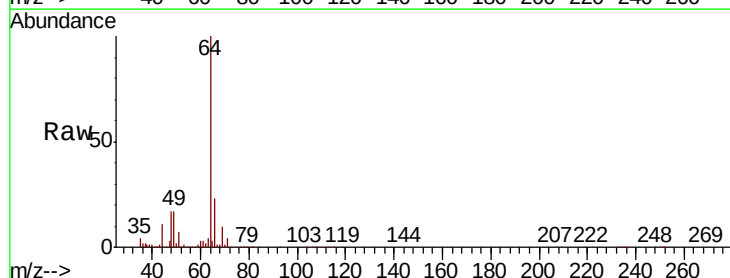
Acq: 22 Nov 2019 19:48

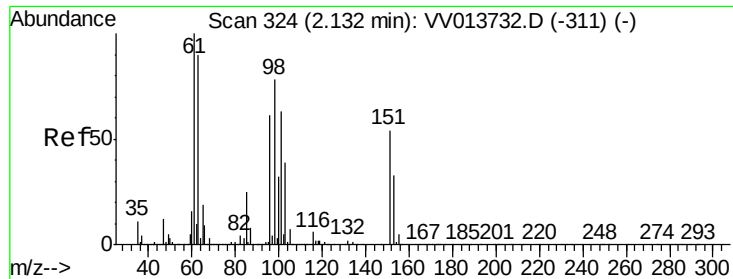
Tgt Ion: 64 Resp: 50259

Ion Ratio Lower Upper

64 100

66 23.3 22.6 42.0





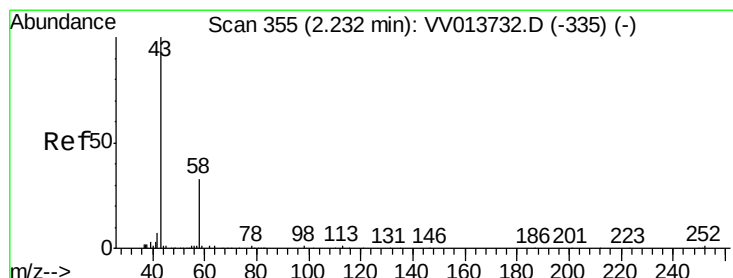
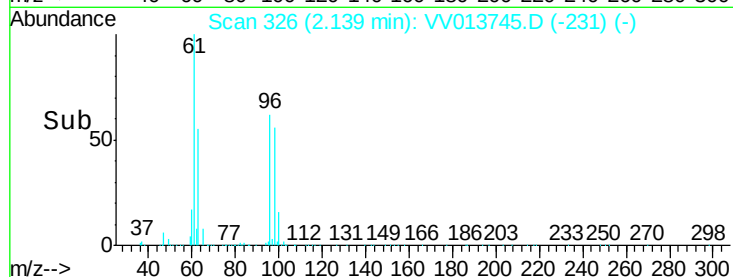
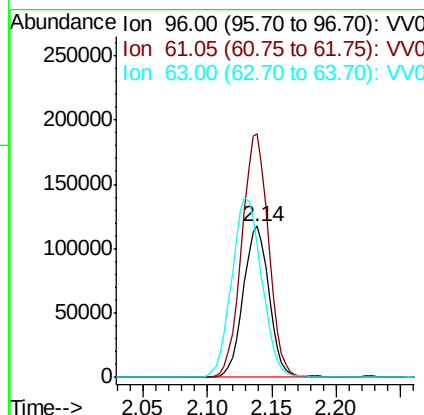
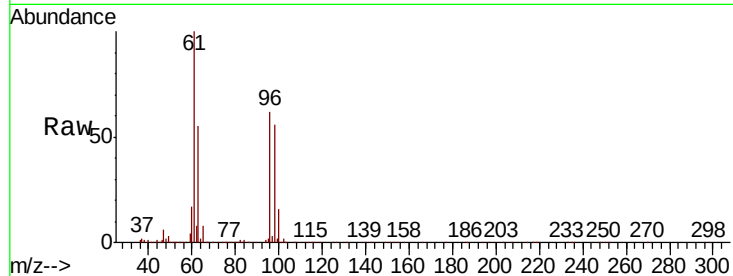
#12
 1,1-Dichloroethene
 Concen: 10.065 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VV013745.D
 Acq: 22 Nov 2019 19:48

Instrument :
 MSVOA_V
 ClientSampled :
 B0AD4

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	116.3	215.9
63	88.3	96.7	179.7

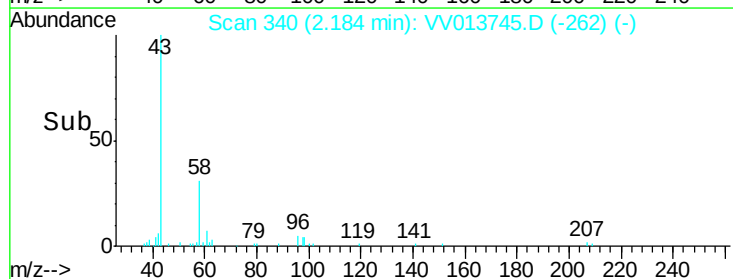
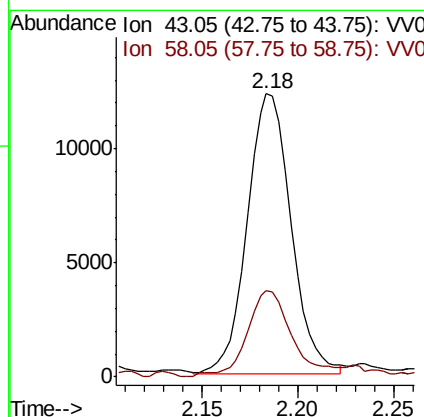
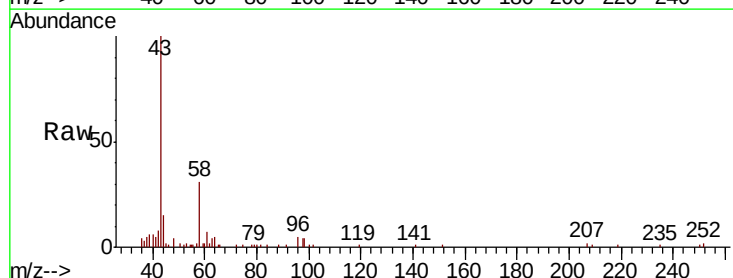
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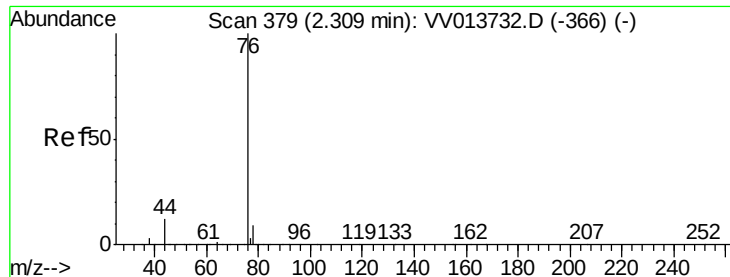
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 11/26/2019 12:53:53 PM



#13
 Acetone
 Concen: 6.403 ug/L m
 RT: 2.18 min Scan# 340
 Delta R.T. -0.05 min
 Lab File: VV013745.D
 Acq: 22 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	1.6	0.0	27.2





#14

Carbon disulfide

Concen: 0.236 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_V

ClientSampled :

B0AD4

Tot Ion: 76 Resp: 8922

Ion Ratio Lower Upper

76 100

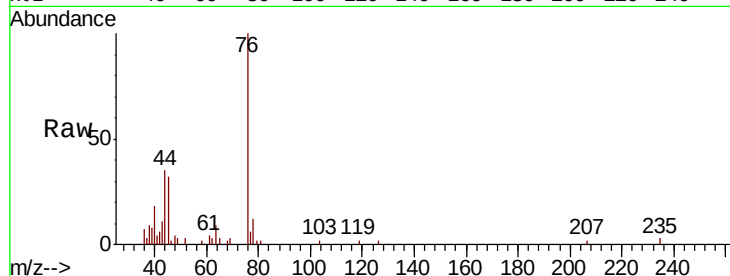
78 11.5 7.5 11.3#

Manual Integrations

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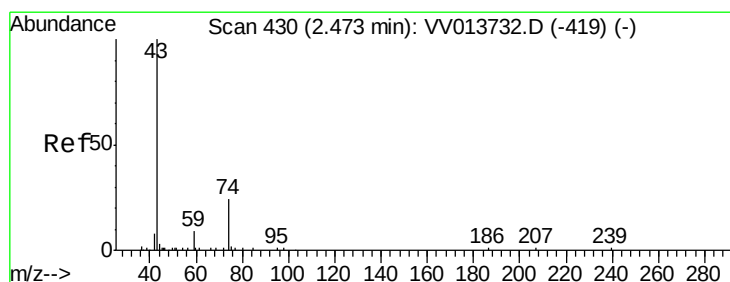
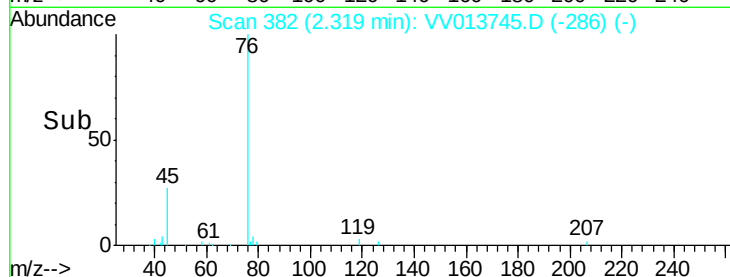
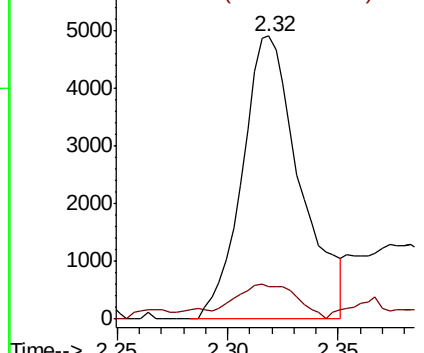
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Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.801 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV013745.D

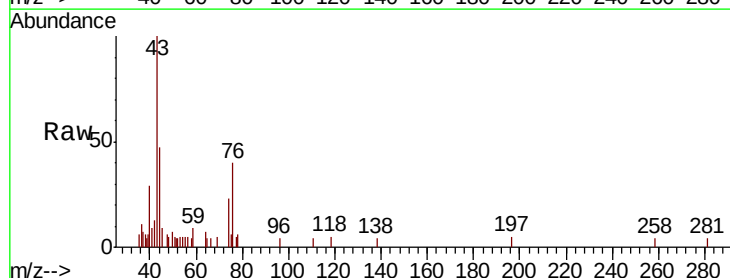
Acq: 22 Nov 2019 19:48

Tgt Ion: 43 Resp: 5499

Ion Ratio Lower Upper

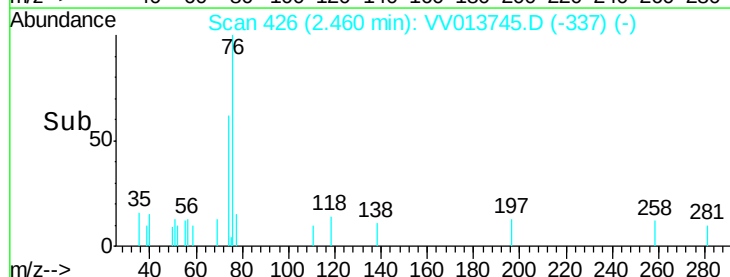
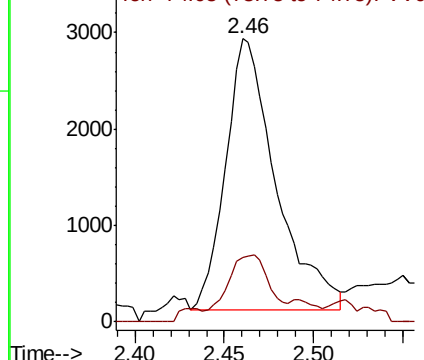
43 100

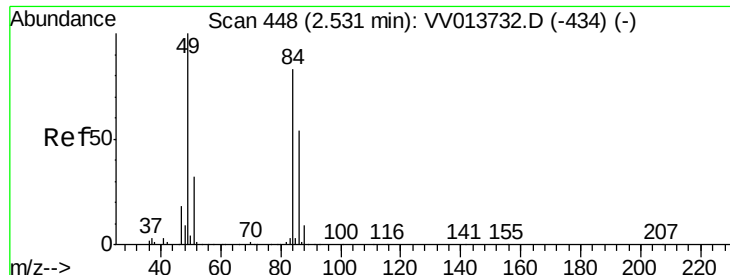
74 19.0 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





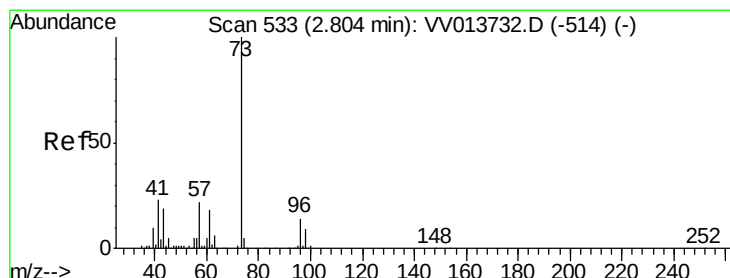
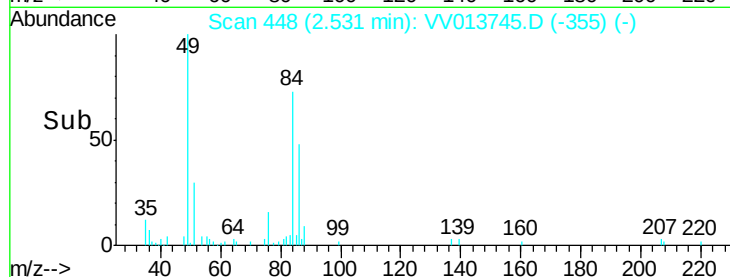
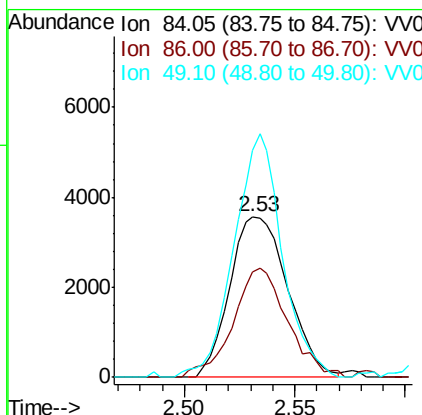
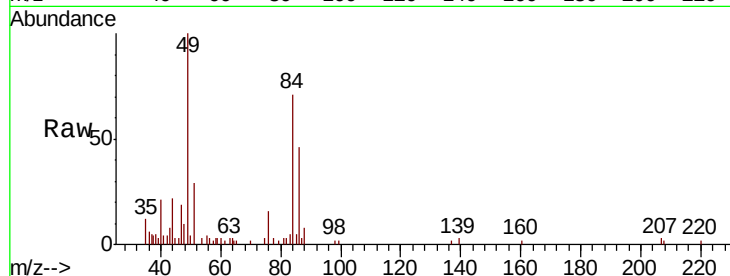
#16
Methylene chloride
Concen: 0.290 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampled :
B0AD4

Tot Ion	Ratio	Lower	Upper
84	100		
86	65.1	44.0	81.6
49	140.7	81.5	151.5

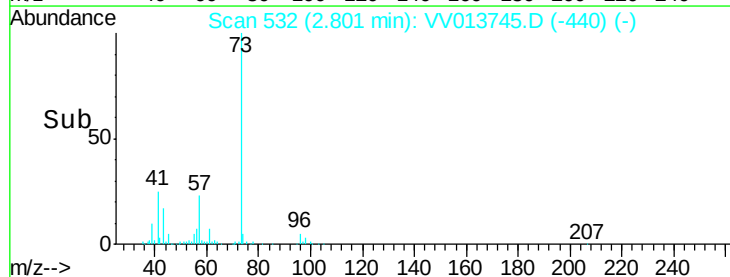
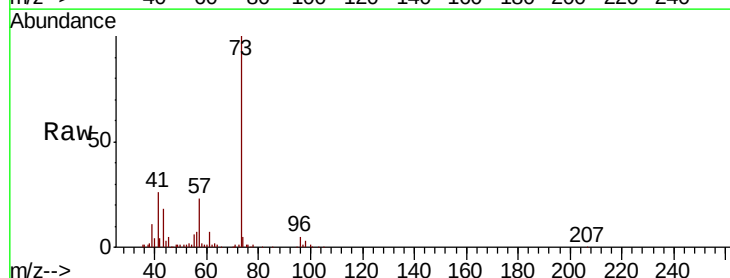
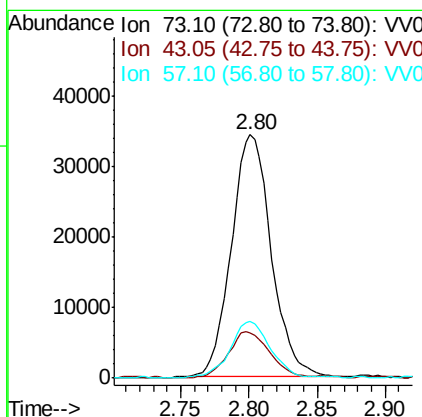
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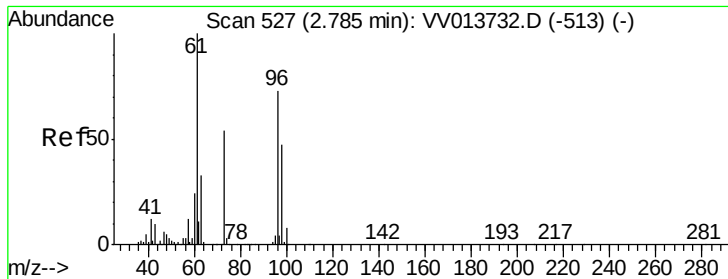
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11/26/2019 12:53:53 PM



#17
Methyl tert-butyl Ether
Concen: 1.559 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.5	23.3
57	23.9	17.5	26.3





#18

trans-1,2-Dichloroethene

Concen: 0.238 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_V

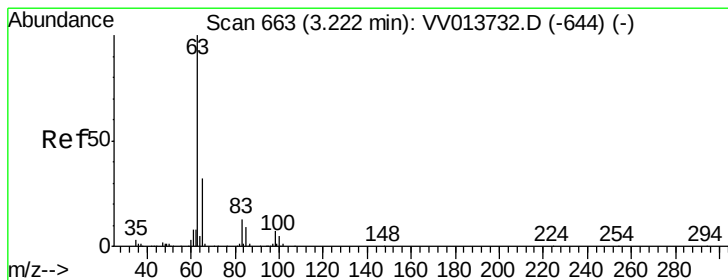
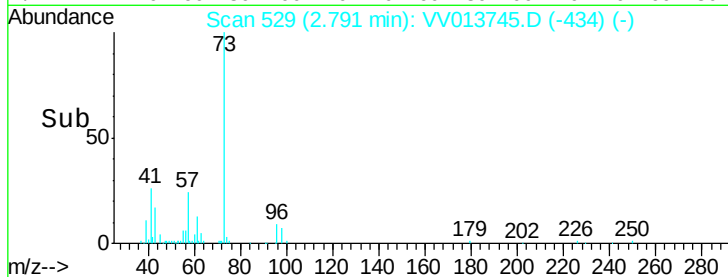
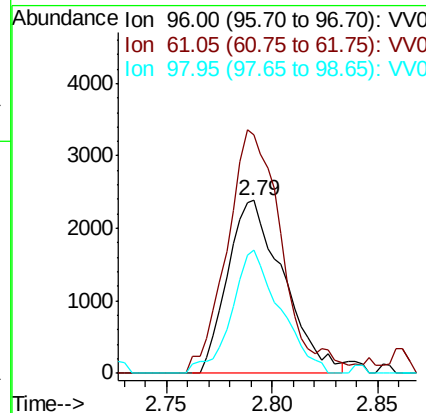
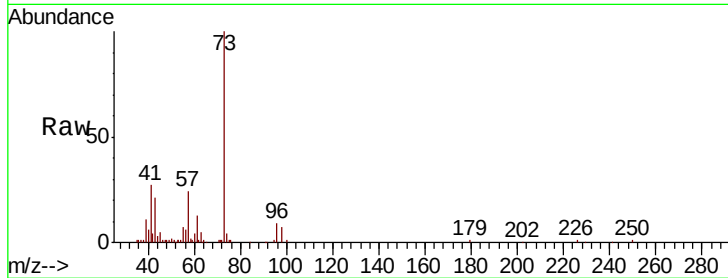
ClientSampled :

B0AD4

Tot Ion:	96	Resp:	4401
Ion	Ratio	Lower	Upper
96	100		
61	138.1	95.1	176.7
98	71.8	46.5	86.3

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#19

1,1-Dichloroethane

Concen: 13.673 ug/L

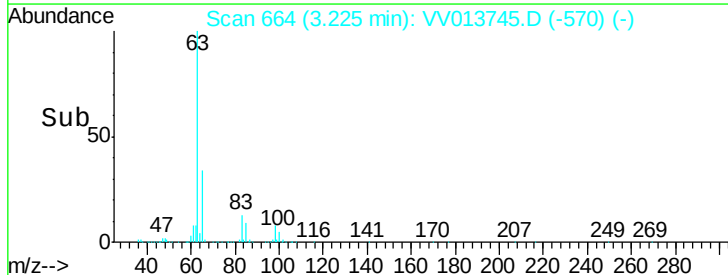
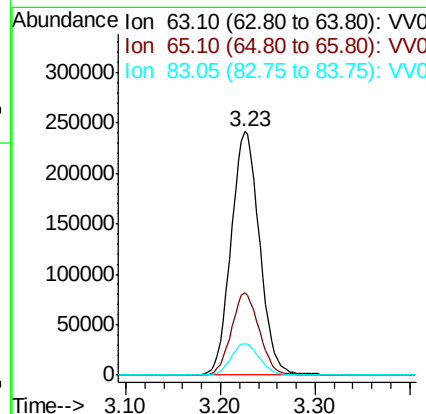
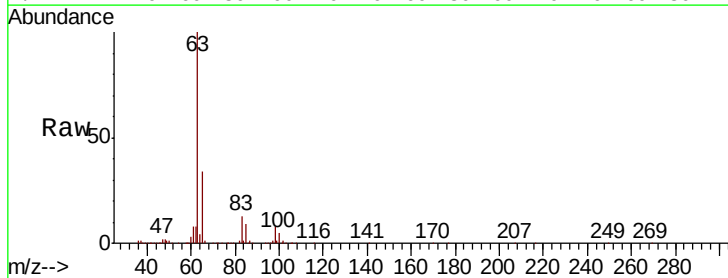
RT: 3.23 min Scan# 664

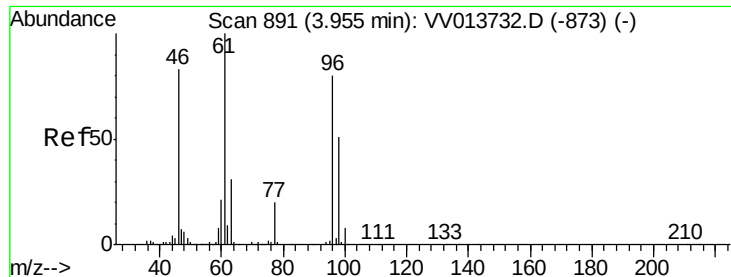
Delta R.T. 0.00 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Tgt Ion:	63	Resp:	505025
Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.7	42.1
83	13.0	9.2	17.2





#22

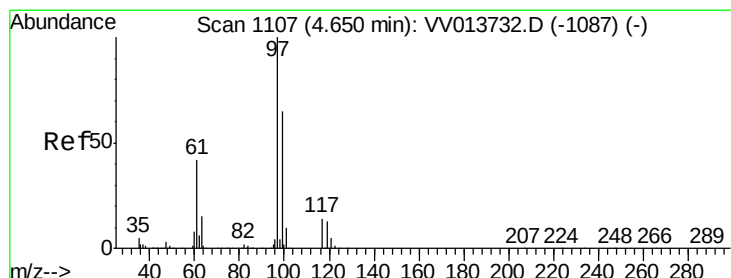
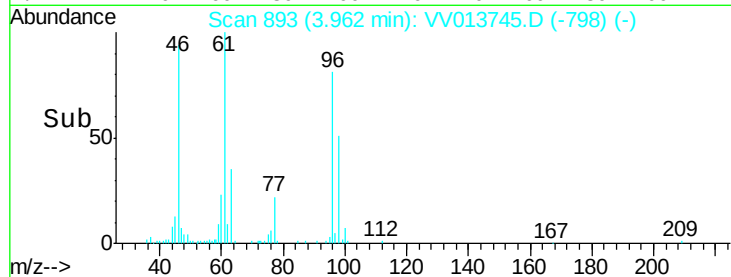
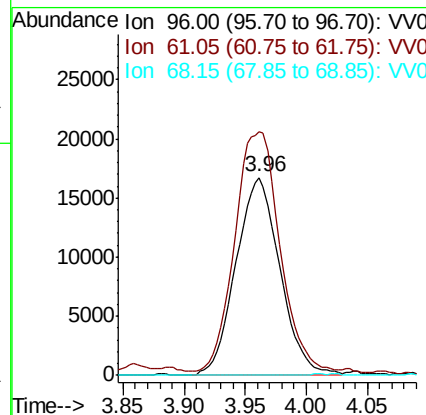
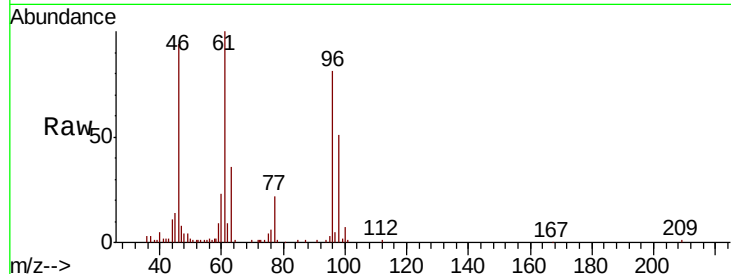
cis-1,2-Dichloroethene
Concen: 1.928 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampled :
B0AD4

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	86.1	159.9
68	0.0	0.0	0.0

Manual Integrations
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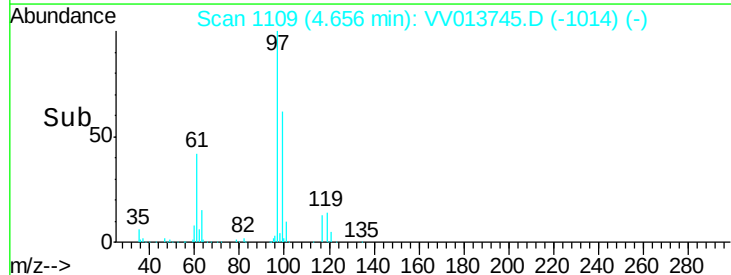
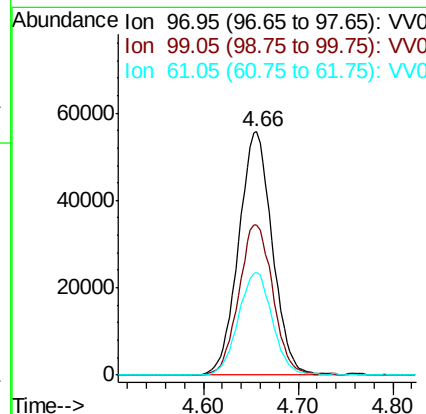
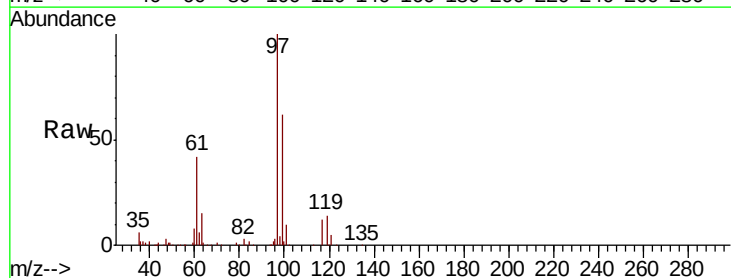
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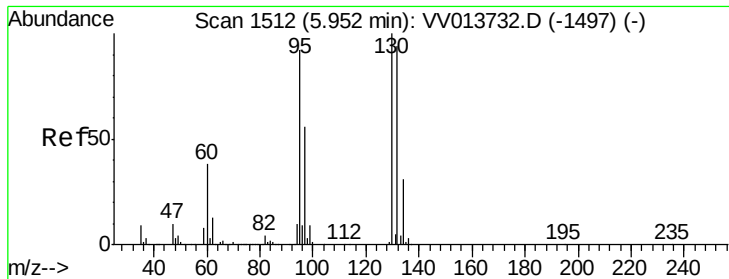


#29

1,1,1-Trichloroethane
Concen: 3.934 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.7	77.5
61	42.4	35.0	52.6





#34

Trichloroethene

Concen: 47.962 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD4

Tot Ion: 95 Resp: 1112170

Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.8

132 105.0 70.5 130.9

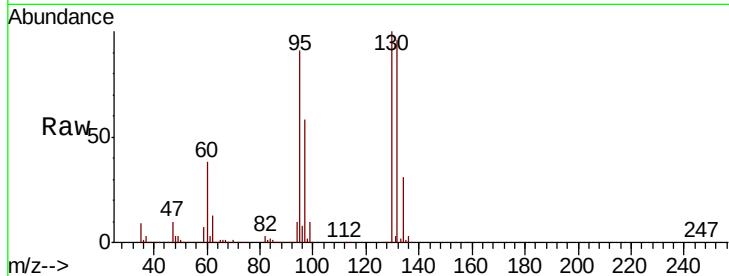
130 109.8 75.9 140.9

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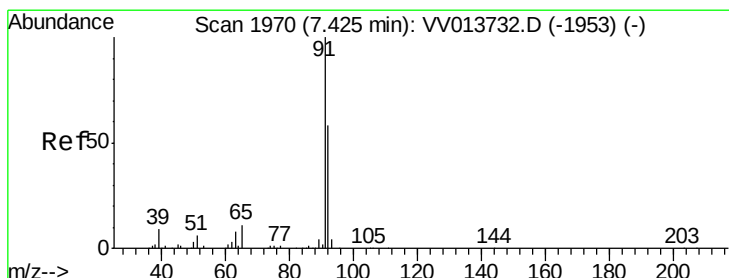
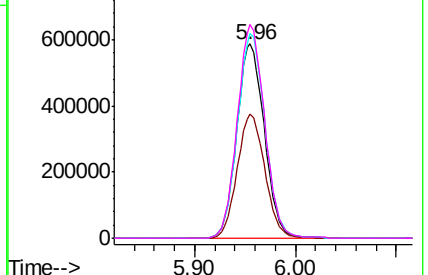
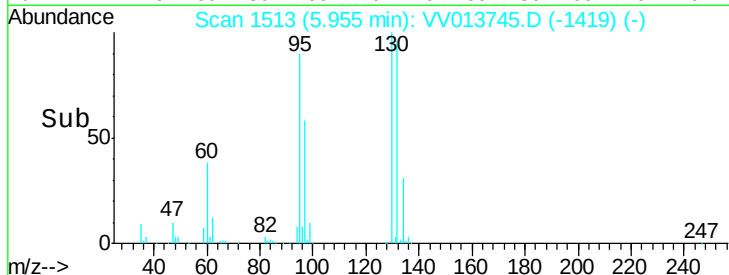


Abundance Ion 95.00 (94.70 to 95.70): VV013745.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV013745.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV013745.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV013745.D (-1419) (-)



#42

Toluene

Concen: 0.413 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013745.D

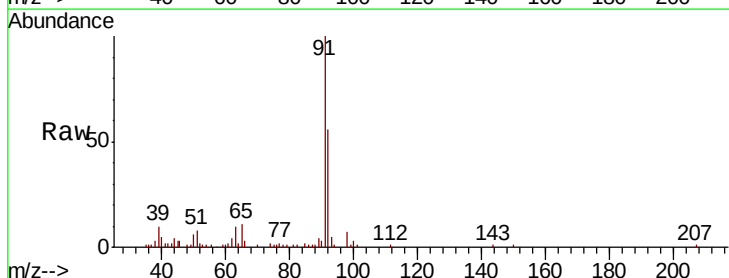
Acq: 22 Nov 2019 19:48

Tgt Ion: 91 Resp: 37220

Ion Ratio Lower Upper

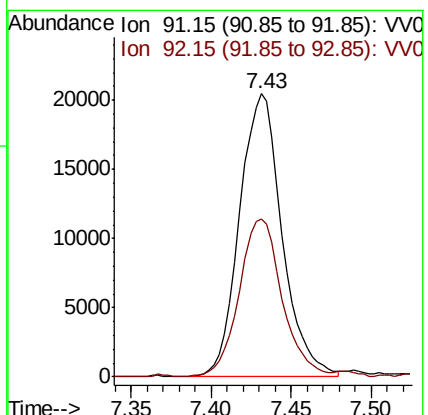
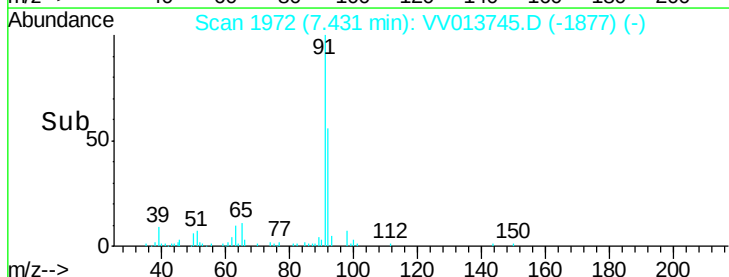
91 100

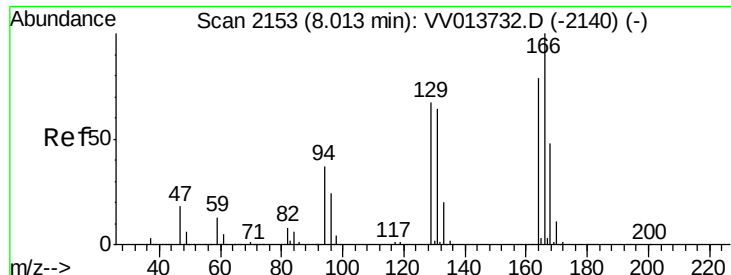
92 55.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013745.D (-1877) (-)

Ion 92.15 (91.85 to 92.85): VV013745.D (-1877) (-)





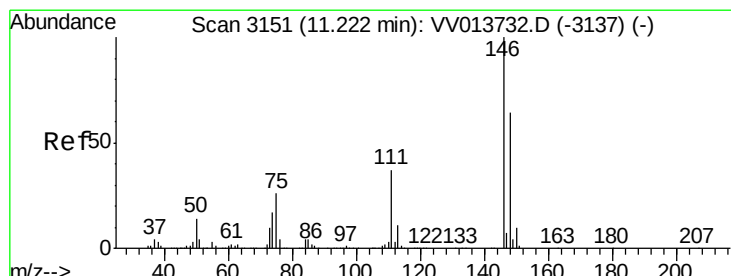
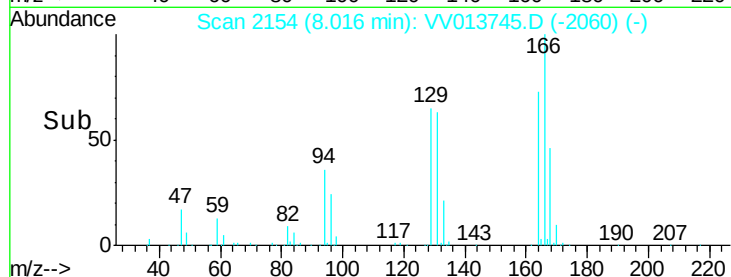
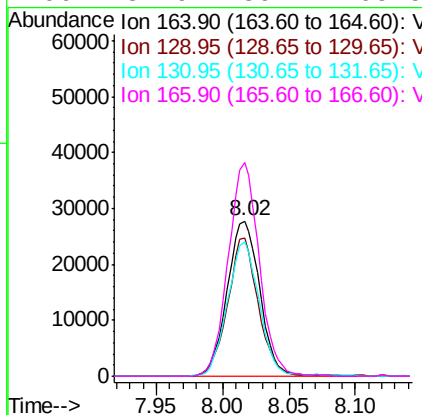
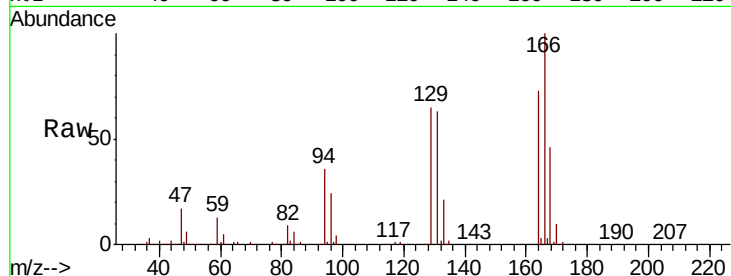
#47
Tetrachloroethene
Concen: 2.366 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Instrument :
MSVOA_V
ClientSampleId :
B0AD4

Tot Ion	Ratio	Lower	Upper
164	100		
129	89.2	60.3	112.1
131	87.1	59.9	111.3
166	137.9	89.1	165.5

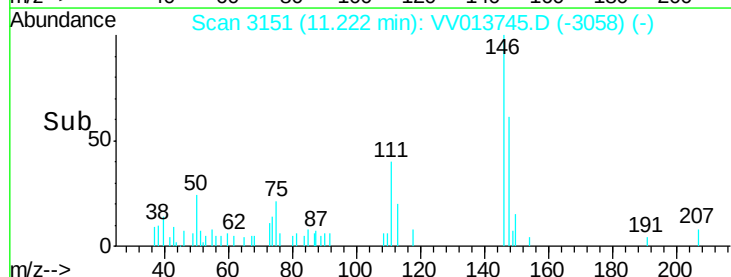
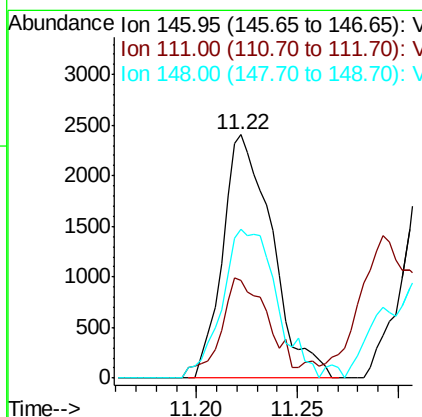
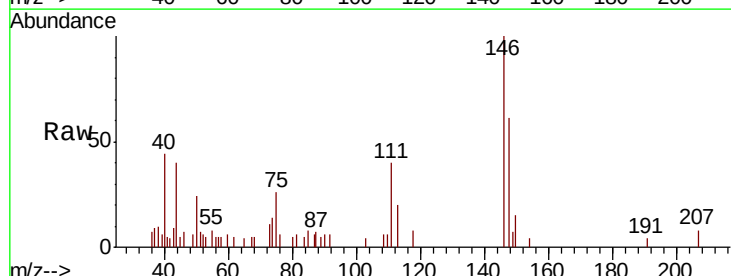
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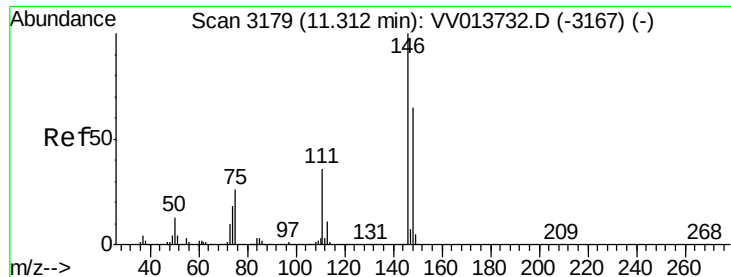
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#62
1,3-Dichlorobenzene
Concen: 0.088 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV013745.D
Acq: 22 Nov 2019 19:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	25.6	47.6
148	61.4	44.7	82.9





#63

1,4-Dichlorobenzene

Concen: 0.079 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Instrument :

MSVOA_V

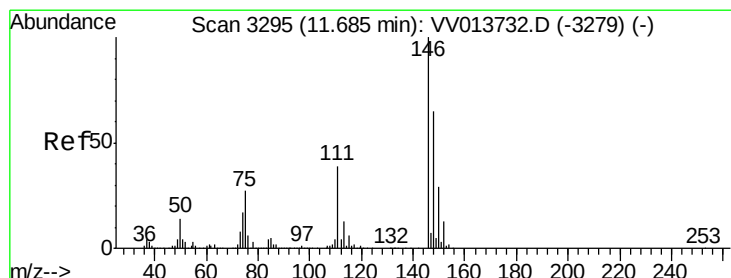
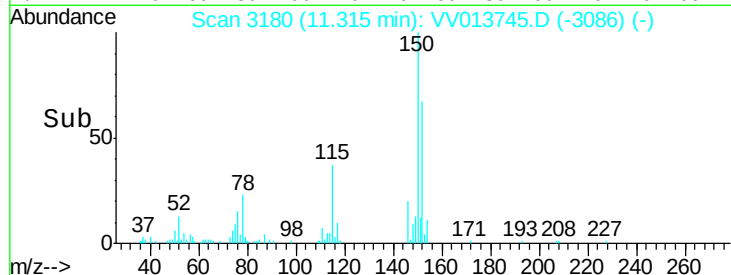
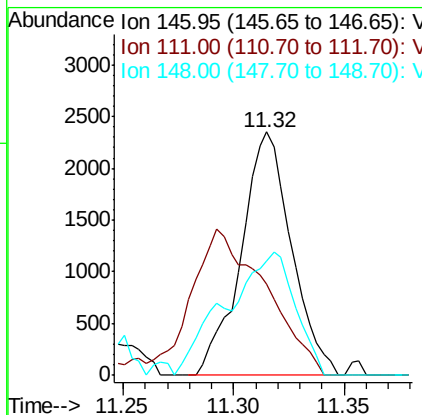
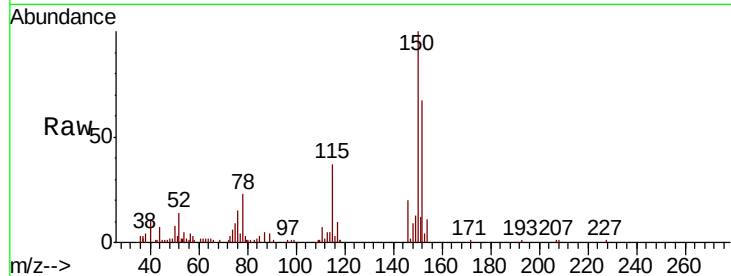
ClientSampleId :

B0AD4

Tot Ion:	146	Resp:	3724
Ion Ratio	Lower	Upper	
146	100		
111	37.3	25.0	46.4
148	46.7	45.4	84.2

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 0.075 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013745.D

Acq: 22 Nov 2019 19:48

Tgt Ion:	146	Resp:	3231
Ion Ratio	Lower	Upper	
146	100		
111	46.4	31.3	46.9
148	65.3	52.2	78.2

