

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090519\
 Data File : VV012580.D
 Acq On : 05 Sep 2019 12:37
 Operator : SY/MD
 Sample : VSTD0.531
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:56:16 PM

Quant Time: Sep 06 02:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 06 02:40:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141833	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145481	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58168	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6389	0.46	ug/L	0.00
7) Chloroethane-d5	1.58	69	5757	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	14328	0.42	ug/L	0.00
20) 2-Butanone-d5	3.99	46	11058m	4.18	ug/L	0.03
24) Chloroform-d	4.41	84	8981	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5257	0.47	ug/L	0.00
32) Benzene-d6	5.10	84	15632	0.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4938	0.38	ug/L	0.00
41) Toluene-d8	7.36	98	11631	0.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1802	0.38	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	5214m	2.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3839	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	4634	0.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8417	0.465 ug/L	100
3) Chloromethane	1.25	50	10458	0.486 ug/L	97
5) Vinyl chloride	1.32	62	11043	0.475 ug/L	97
6) Bromomethane	1.54	94	7340	0.529 ug/L	97
8) Chloroethane	1.60	64	7783	0.487 ug/L	96
9) Trichlorofluoromethane	1.77	101	17743	0.498 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9185	0.460 ug/L	97
12) 1,1-Dichloroethene	2.14	96	9170	0.497 ug/L	96
13) Acetone	2.23	43	18460	5.011 ug/L	79
14) Carbon disulfide	2.32	76	29042	0.488 ug/L	100
15) Methyl Acetate	2.47	43	4479	0.494 ug/L	93
16) Methylene chloride	2.53	84	13158	0.623 ug/L	89
17) Methyl tert-butyl Ether	2.81	73	15052	0.483 ug/L #	88
18) trans-1,2-Dichloroethene	2.78	96	7270	0.492 ug/L	93
19) 1,1-Dichloroethane	3.23	63	13763	0.484 ug/L	99
21) 2-Butanone	4.08	43	17112m	4.805 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	6671	0.440 ug/L	90
23) Bromochloromethane	4.30	128	3231	0.528 ug/L #	85
25) Chloroform	4.43	83	17216	0.575 ug/L	97
27) 1,2-Dichloroethane	5.18	62	7943	0.456 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	11052m	0.457 ug/L	
30) Cyclohexane	4.72	56	9603	0.386 ug/L	95
31) Carbon tetrachloride	4.87	117	9503	0.449 ug/L	92
33) Benzene	5.14	78	25185	0.421 ug/L	100
34) Trichloroethene	5.96	95	7412	0.445 ug/L	94
35) Methylcyclohexane	6.17	83	8450	0.335 ug/L	86
37) 1,2-Dichloropropane	6.22	63	7639	0.474 ug/L #	96
38) Bromodichloromethane	6.56	83	8859	0.438 ug/L #	99
39) cis-1,3-Dichloropropene	7.07	75	7654	0.372 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	34993	3.786 ug/L	93

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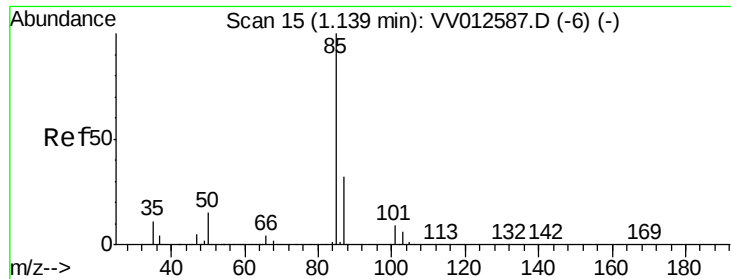
Manual Integrations
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Quant Time: Sep 06 02:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 06 02:40:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	22820	0.349	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	6464	0.395	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	4741	0.470	ug/L	96
47) Tetrachloroethene	8.02	164	5214	0.436	ug/L	91
48) 2-Hexanone	8.20	43	21776	3.345	ug/L	97
49) Dibromochloromethane	8.29	129	5051	0.426	ug/L	80
50) 1,2-Dibromoethane	8.40	107	3839	0.426	ug/L #	88
51) Chlorobenzene	8.92	112	16130	0.396	ug/L	95
52) Ethylbenzene	9.05	91	23548	0.334	ug/L	94
53) m,p-xylene	9.18	106	8322	0.324	ug/L	100
54) o-xylene	9.59	106	7999	0.331	ug/L	99
55) Styrene	9.60	104	11656	0.283	ug/L	96
56) Isopropylbenzene	9.97	105	19017	0.286	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.29	83	4563	0.409	ug/L #	91
59) 1,2,3-Trichloropropane	10.32	75	4084m	0.455	ug/L	
61) Bromoform	9.78	173	2495	0.525	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	10224	0.407	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	10114	0.394	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	10479	0.455	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	778	0.503	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	6863	0.378	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	4317	0.332	ug/L	94
69) Naphthalene	13.55	128	4382	0.228	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	4088	0.342	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.465 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 85 Resp: 8417

Ion Ratio Lower Upper

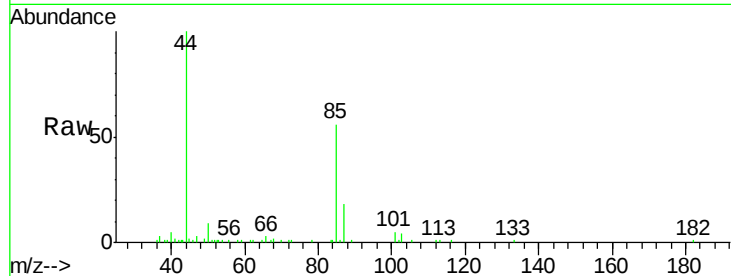
85 100

87 31.7 25.2 37.8

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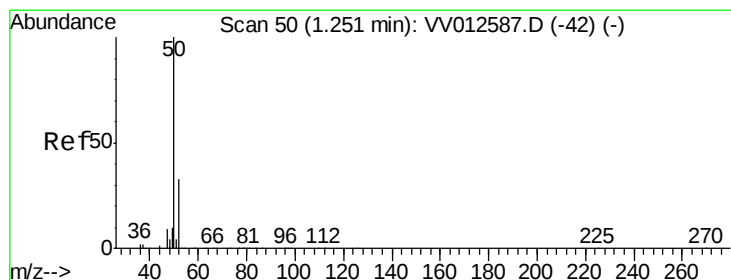
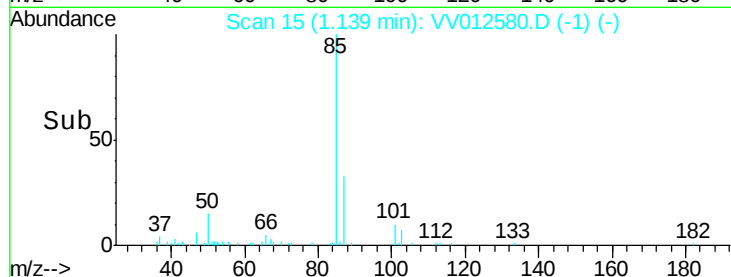
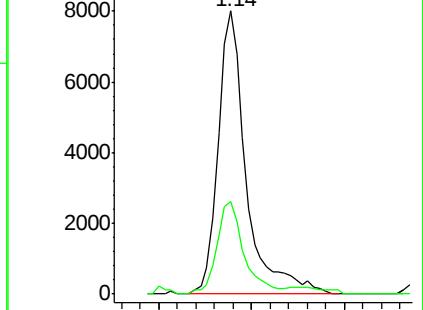
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Abundance Ion 85.00 (84.70 to 85.70): VV012587.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV012587.D (-6) (-)



#3

Chloromethane

Concen: 0.486 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012580.D

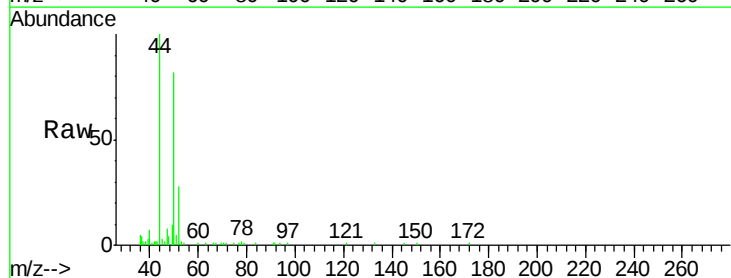
Acq: 05 Sep 2019 12:37

Tgt Ion: 50 Resp: 10458

Ion Ratio Lower Upper

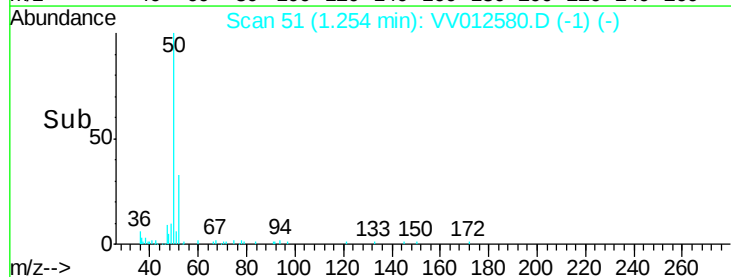
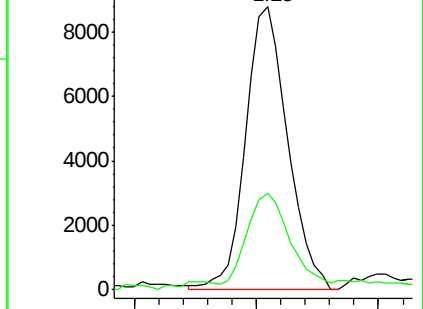
50 100

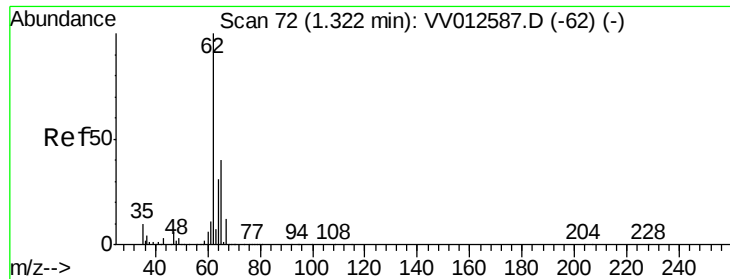
52 34.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012587.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012587.D (-42) (-)





#5

Vinyl chloride

Concen: 0.475 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 62 Resp: 11043

Ion Ratio Lower Upper

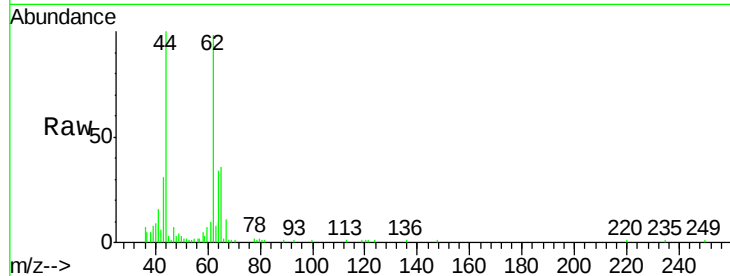
62 100

64 34.8 23.0 42.6

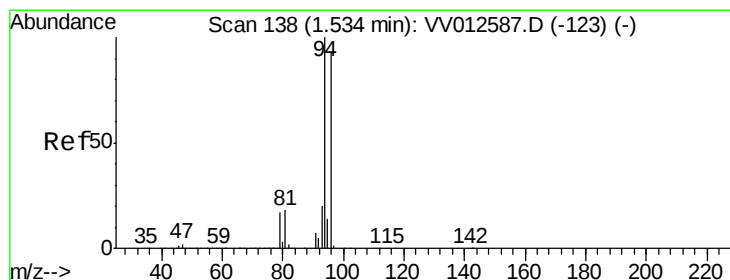
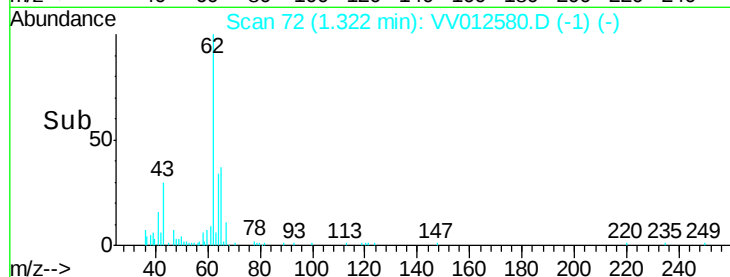
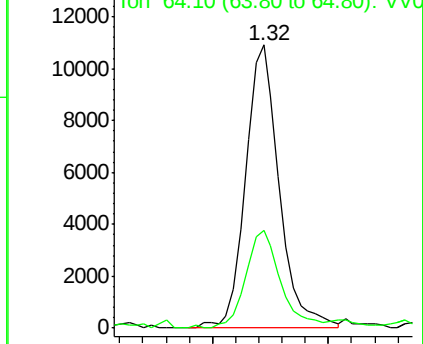
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Abundance Ion 62.00 (61.70 to 62.70): VV012587.D (-62) (-)



#6

Bromomethane

Concen: 0.529 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012580.D

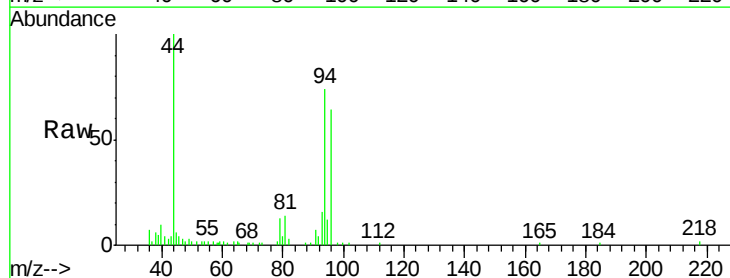
Acq: 05 Sep 2019 12:37

Tgt Ion: 94 Resp: 7340

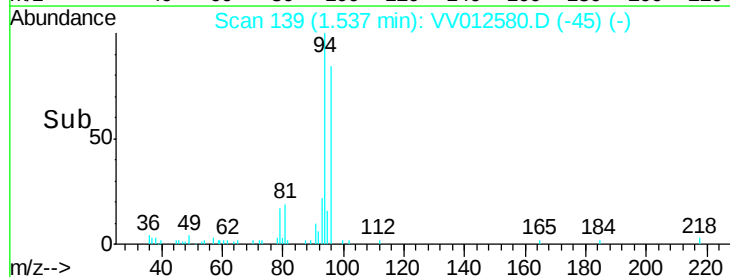
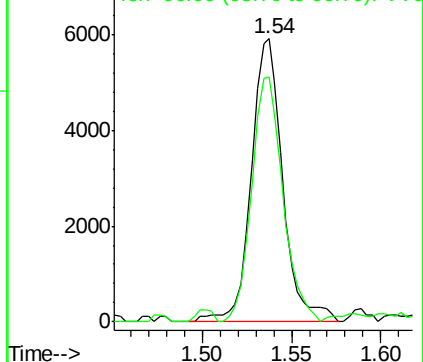
Ion Ratio Lower Upper

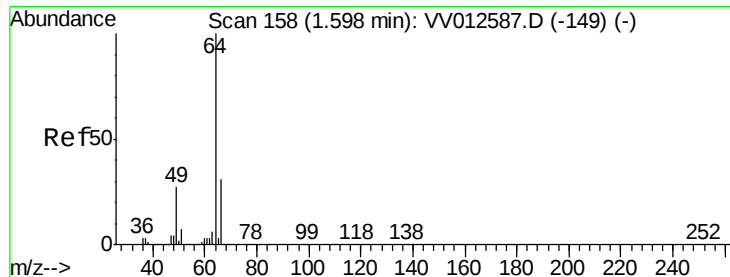
94 100

96 86.4 62.6 116.3



Abundance Ion 94.00 (93.70 to 94.70): VV012587.D (-123) (-)





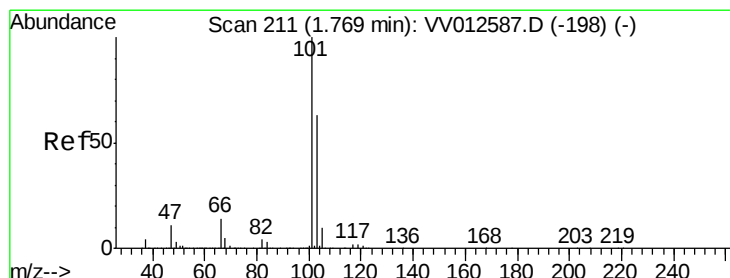
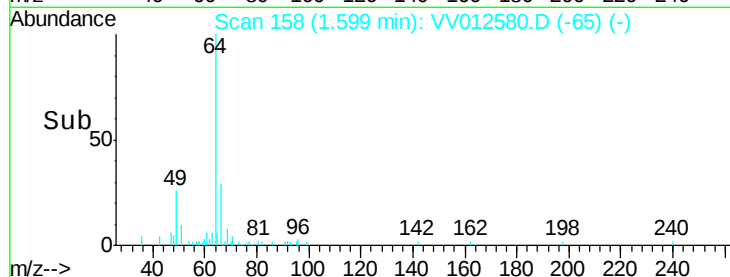
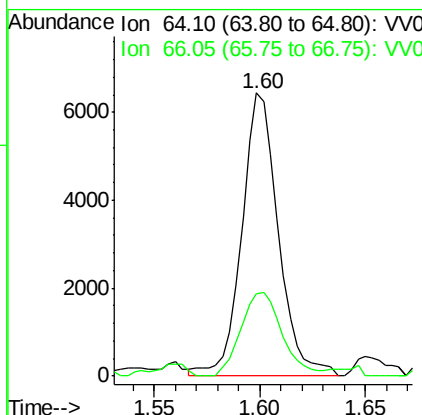
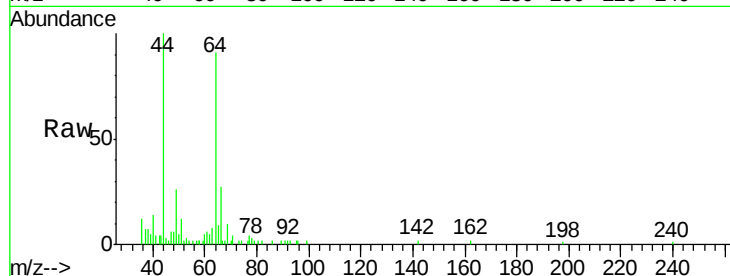
#8
Chloroethane
Concen: 0.487 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tot Ion	Ratio	Lower	Upper
64	100		
66	29.3	22.2	41.2

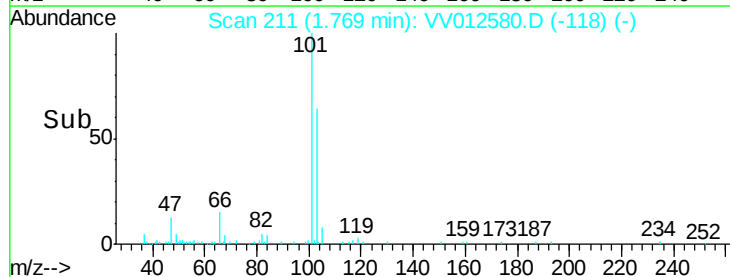
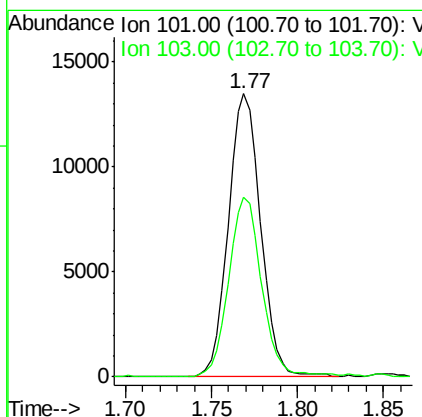
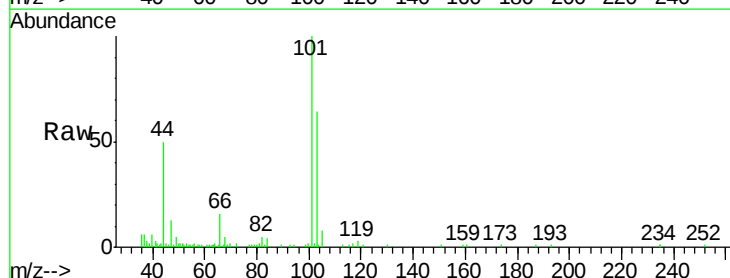
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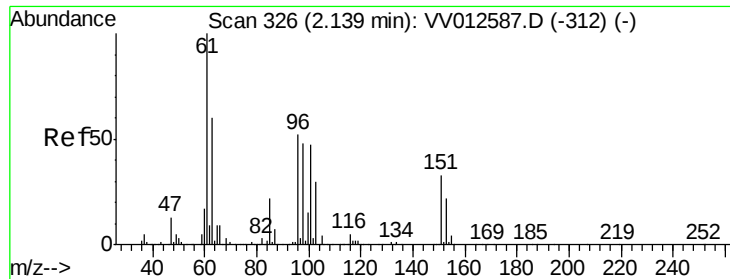
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#9
Trichlorofluoromethane
Concen: 0.498 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6





#10

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

Concen: 0.460 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

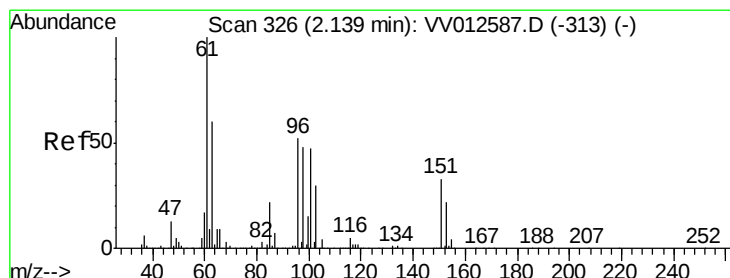
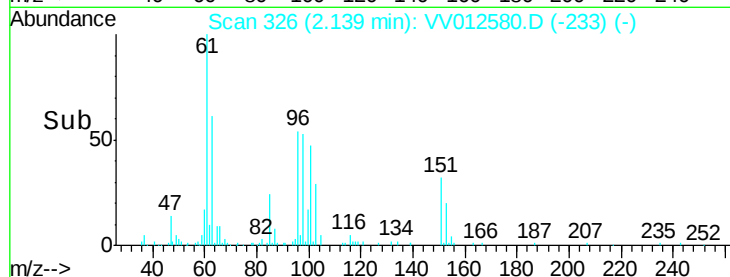
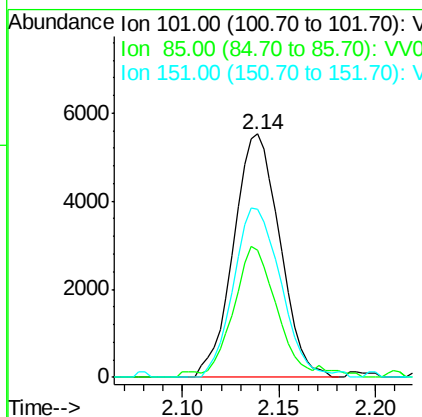
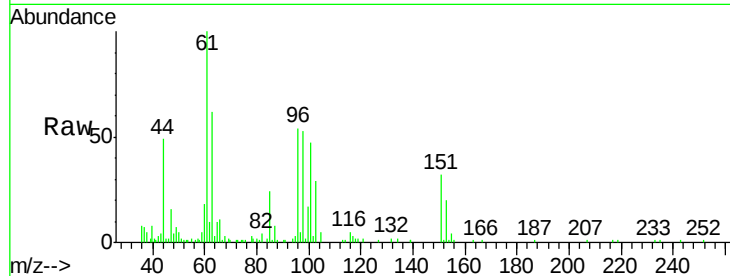
ClientSampleId :

VSTD0.531

Tot Ion:	101	Resp:	9185
Ion Ratio	Lower	Upper	
101	100		
85	50.2	37.4	56.0
151	71.6	58.2	87.4

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#12

1,1-Dichloroethene

Concen: 0.497 ug/L

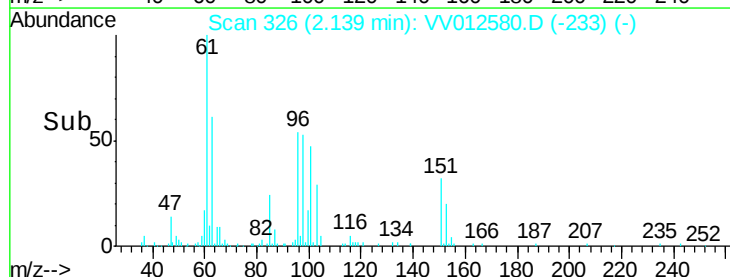
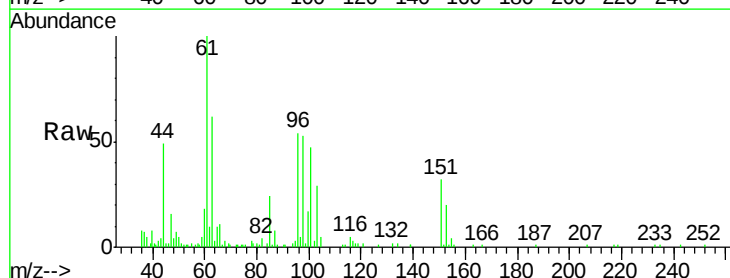
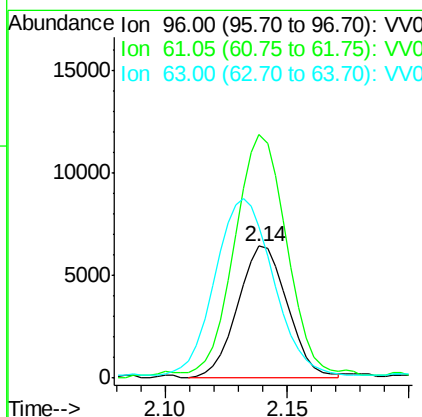
RT: 2.14 min Scan# 326

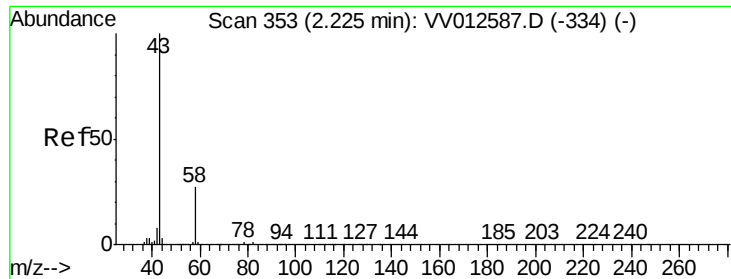
Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion:	96	Resp:	9170
Ion Ratio	Lower	Upper	
96	100		
61	184.4	132.7	246.5
63	114.7	84.1	156.1





#13

Acetone

Concen: 5.011 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012580.D

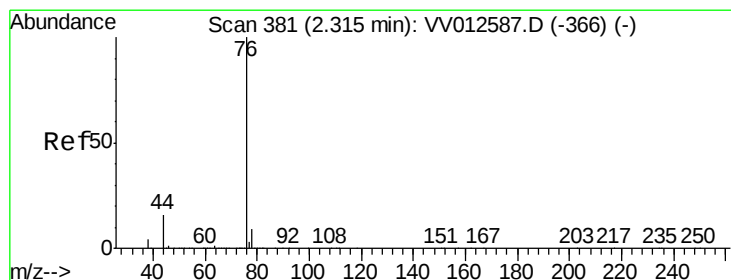
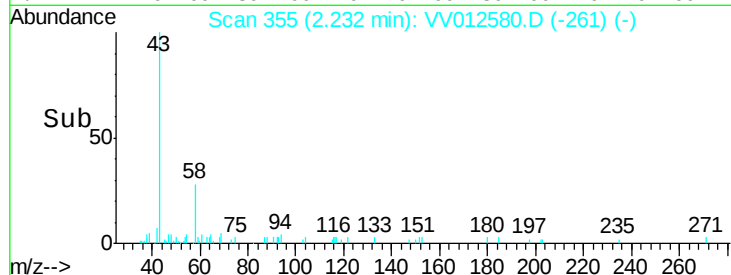
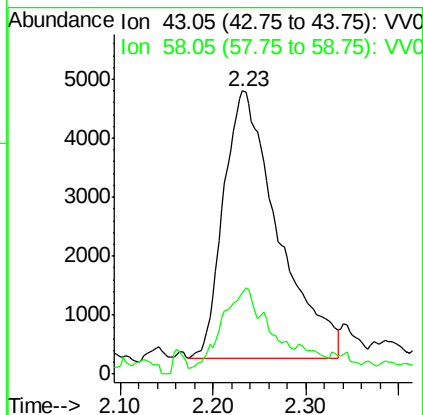
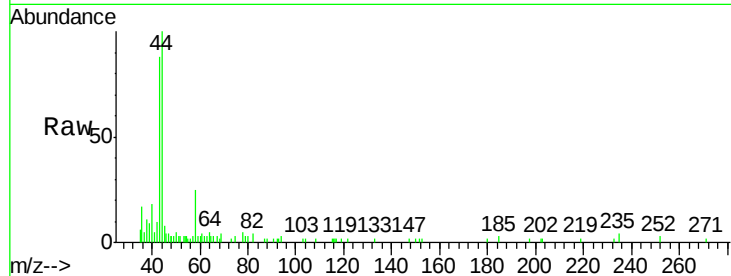
Acq: 05 Sep 2019 12:37

Tot Ion	43	Resp	18460
Ion Ratio	43	100	
	58	17.3	
		0.0	57.0

Instrument :
MSVOA_V
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VSTD0.531

Manual Integrations
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#14

Carbon disulfide

Concen: 0.488 ug/L

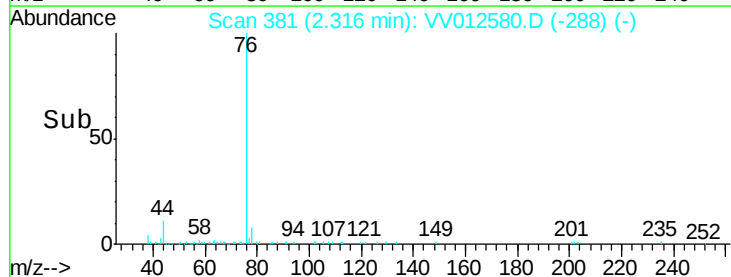
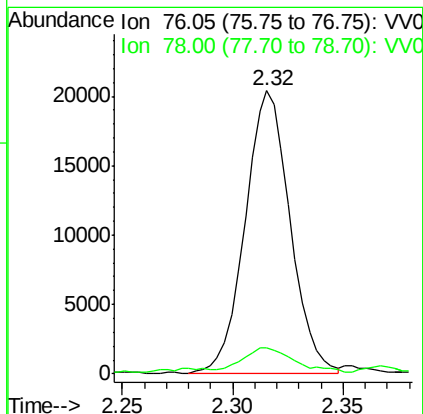
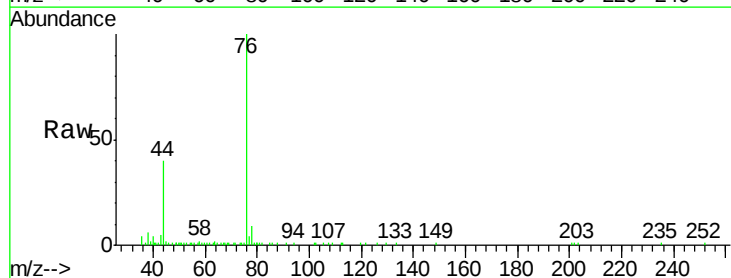
RT: 2.32 min Scan# 381

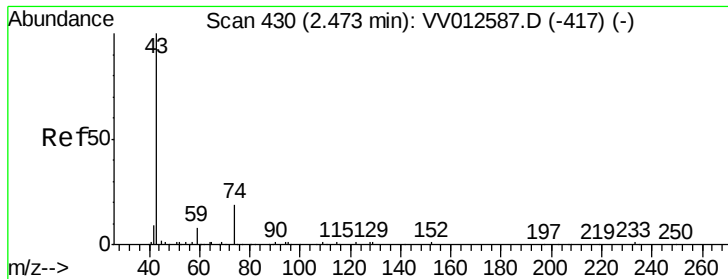
Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion	76	Resp	29042
Ion Ratio	76	100	
	78	9.4	
		7.4	11.0





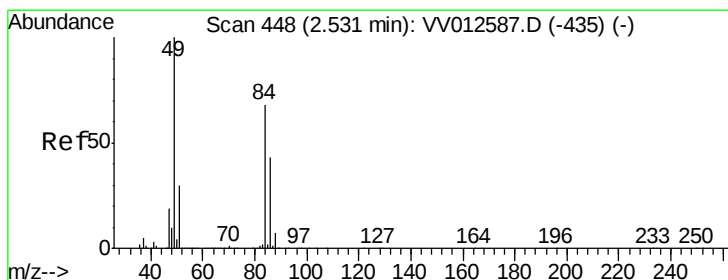
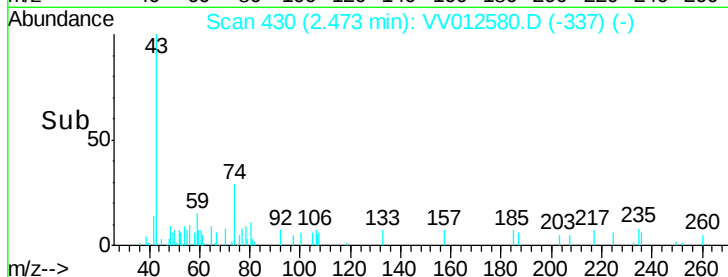
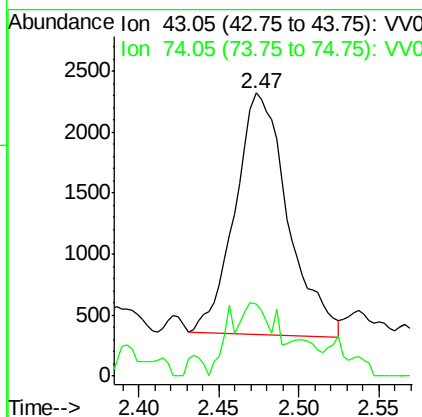
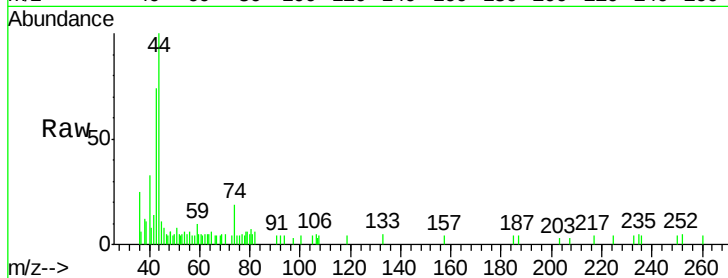
#15
Methvl Acetate
Concen: 0.494 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tot Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
74 15.3 14.9 22.3

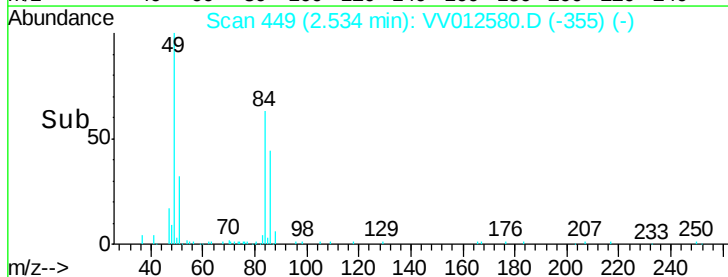
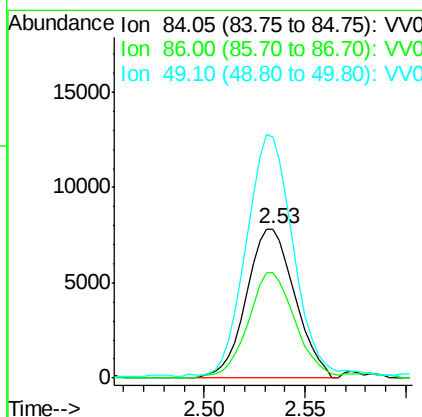
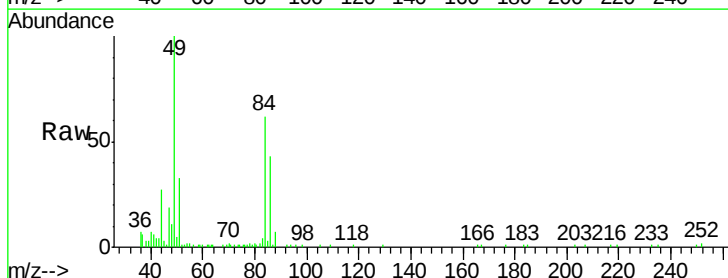
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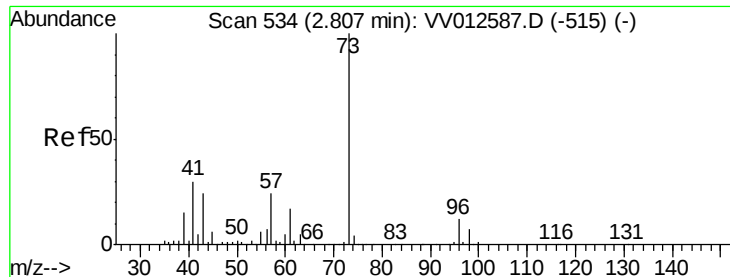
MMDadoda
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#16
Methylene chloride
Concen: 0.623 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion: 84 Resp: 13158
Ion Ratio Lower Upper
84 100
86 70.2 43.6 81.0
49 161.4 103.0 191.2





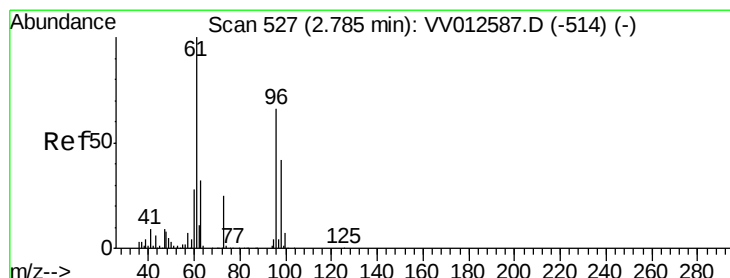
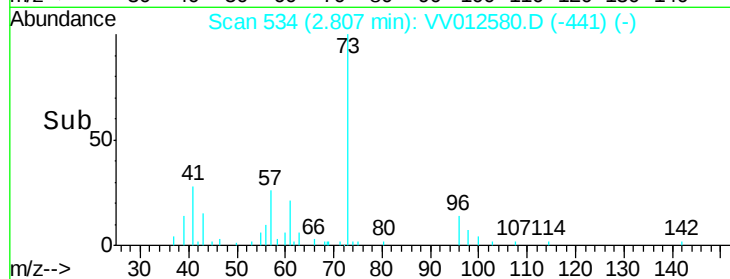
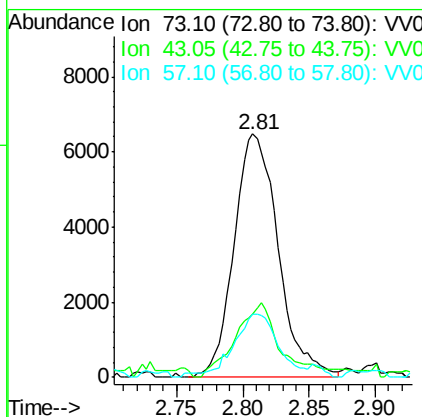
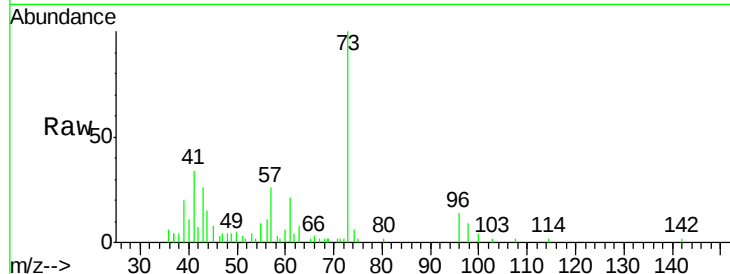
#17
Methvl tert-butvl Ether
Concen: 0.483 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tot Ion	Ratio	Lower	Upper
73	100		
43	32.7	18.9	28.3#
57	25.9	18.9	28.3

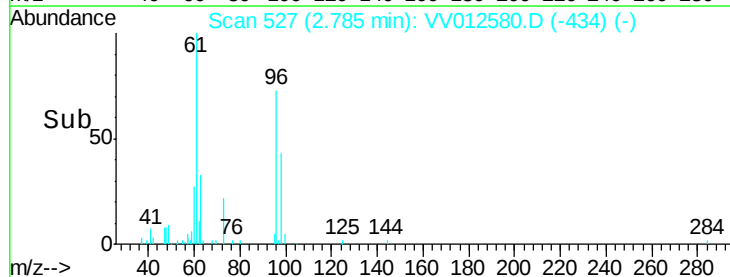
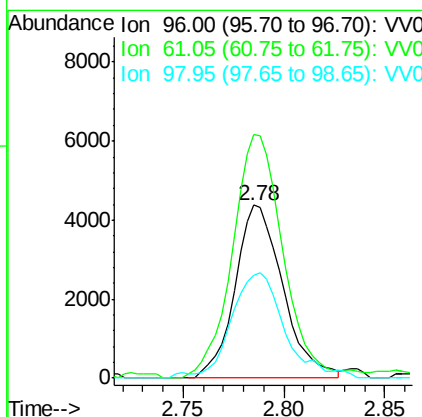
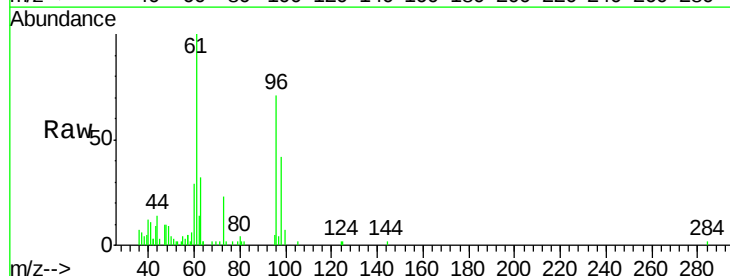
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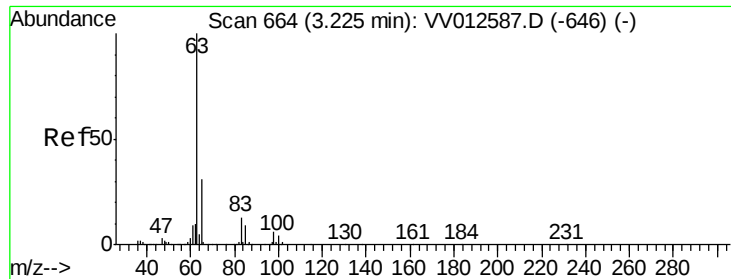
MMDadoda
9/6/2019 3:56:16 PM



#18
trans-1,2-Dichloroethene
Concen: 0.492 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	105.6	196.0
98	59.6	45.2	84.0





#19

1,1-Dichloroethane

Concen: 0.484 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

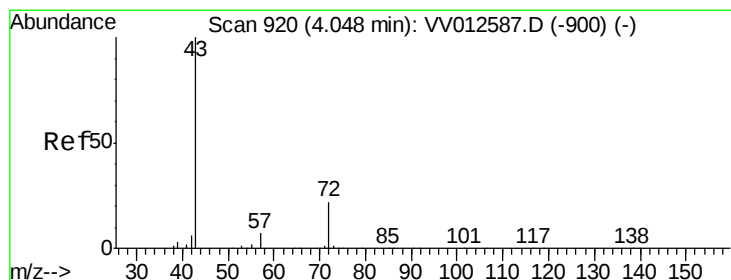
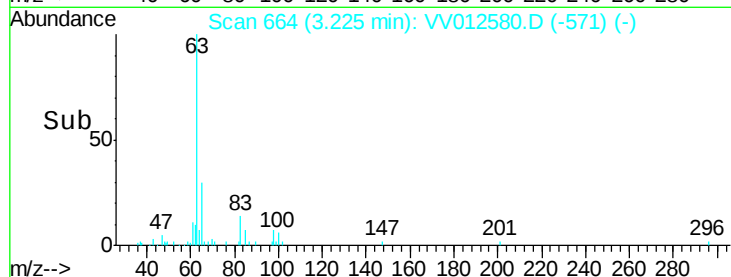
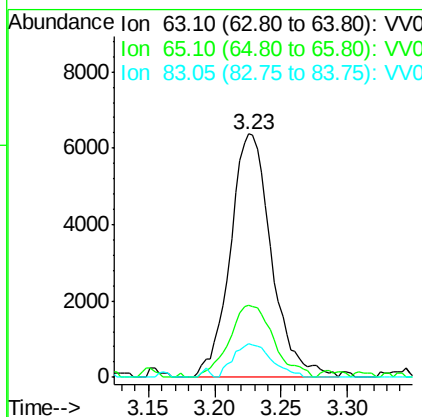
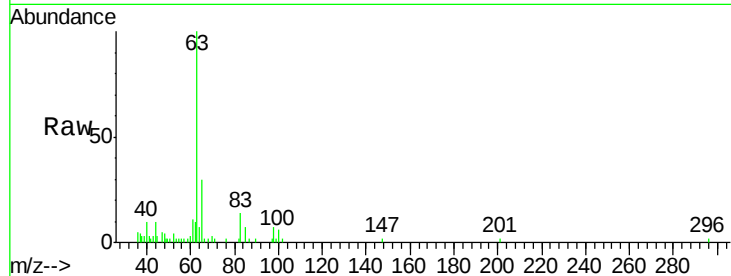
ClientSampleId :

VSTD0.531

Tot Ion:	63	Resp:	13763
Ion	Ratio	Lower	Upper
63	100		
65	29.6	20.9	38.9
83	13.7	8.8	16.3

Manual Integrations
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#21

2-Butanone

Concen: 4.805 ug/L m

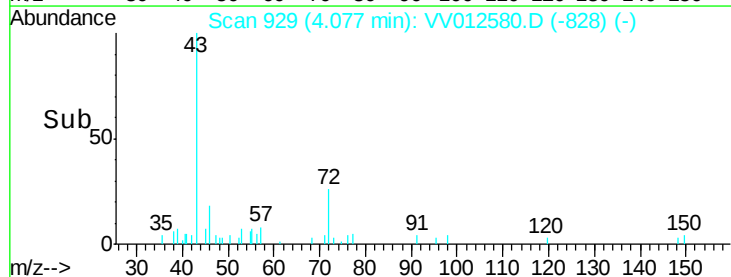
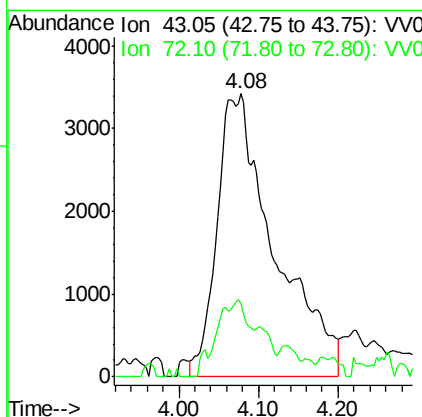
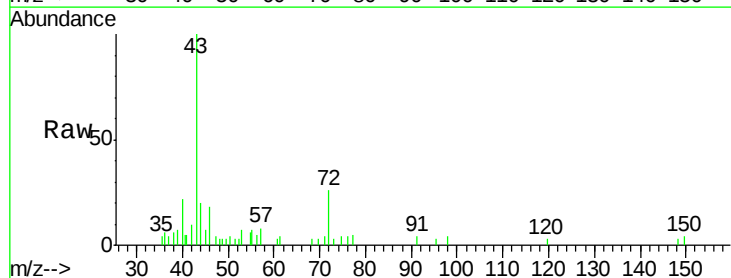
RT: 4.08 min Scan# 929

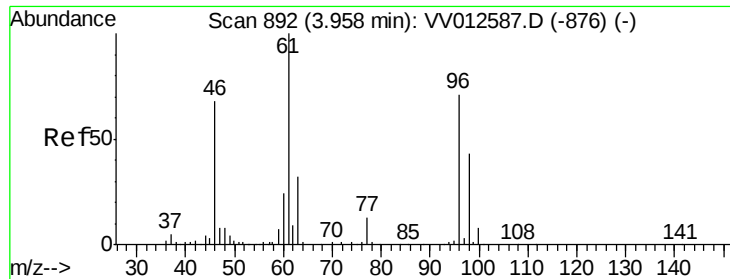
Delta R.T. 0.03 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion:	43	Resp:	17112
Ion	Ratio	Lower	Upper
43	100		
72	3.9	10.5	31.6#





#22

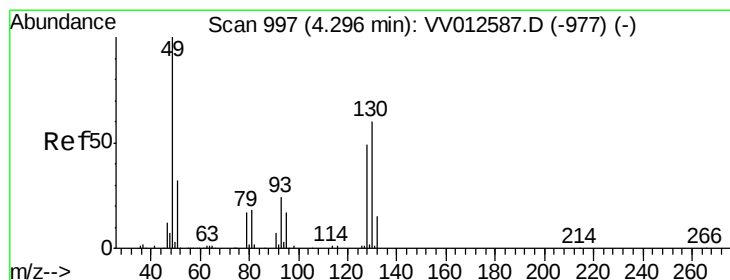
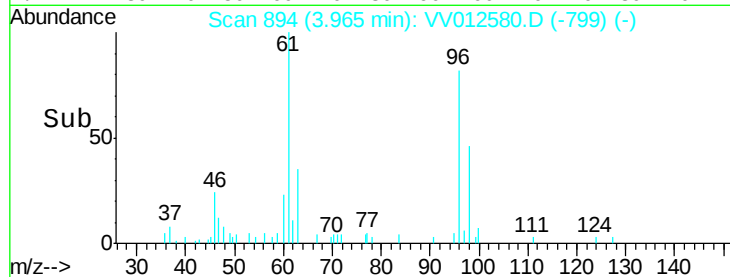
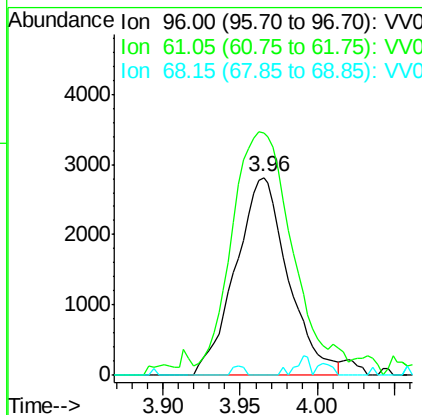
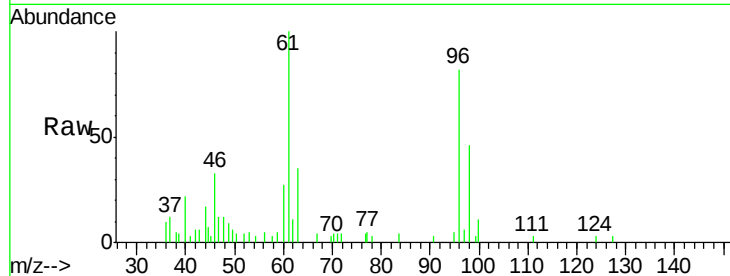
cis-1,2-Dichloroethene
 Concen: 0.440 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.7	93.9	174.5
68	0.0	0.0	0.0

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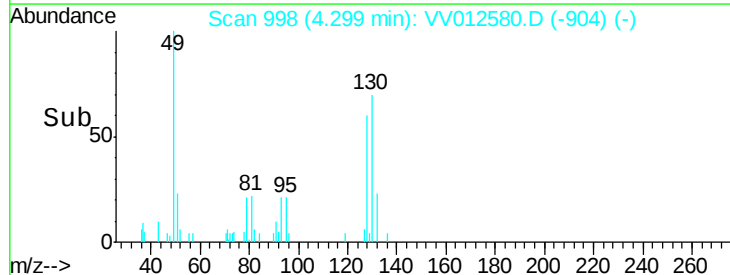
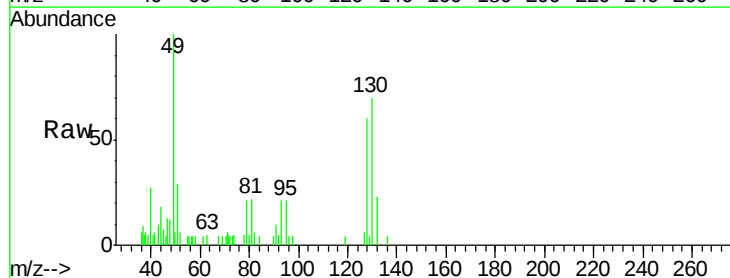
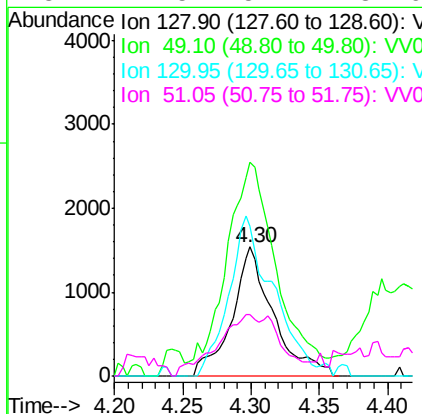
MMDadoda
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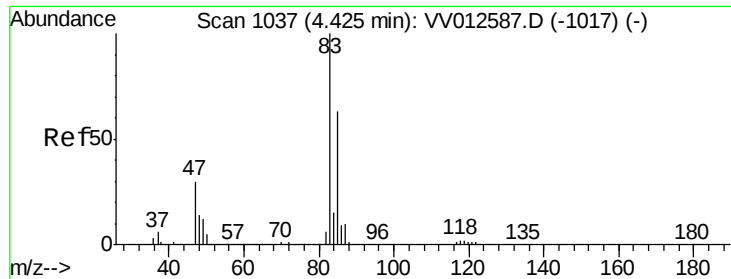


#23

Bromochloromethane
 Concen: 0.528 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.4	137.1	254.7
130	115.8	90.9	168.9
51	47.5	54.4	81.6





#25

Chloroform

Concen: 0.575 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 83 Resp: 17216

Ion Ratio Lower Upper

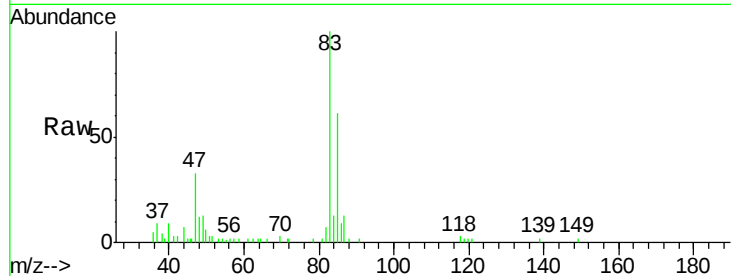
83 100

85 61.1 44.4 82.5

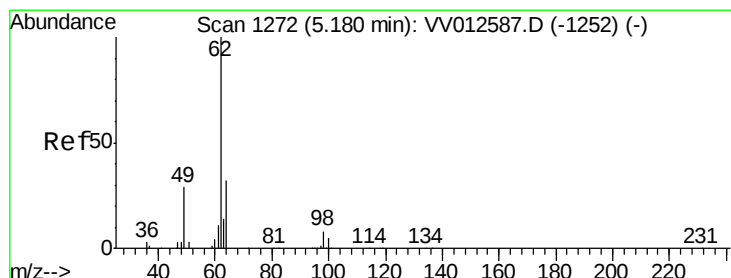
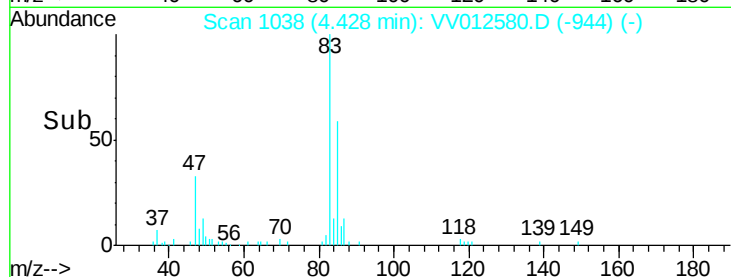
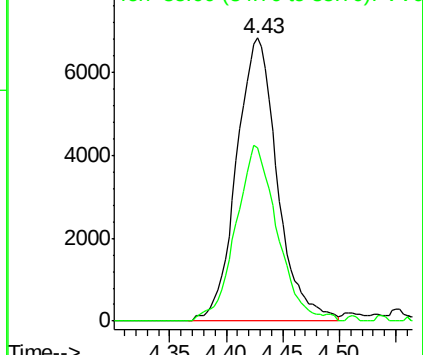
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Abundance Ion 83.05 (82.75 to 83.75): VV012580.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 0.456 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012580.D

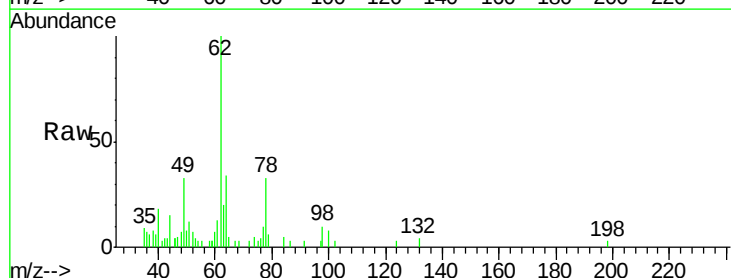
Acq: 05 Sep 2019 12:37

Tgt Ion: 62 Resp: 7943

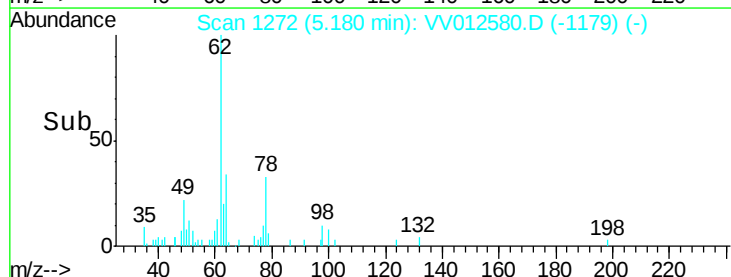
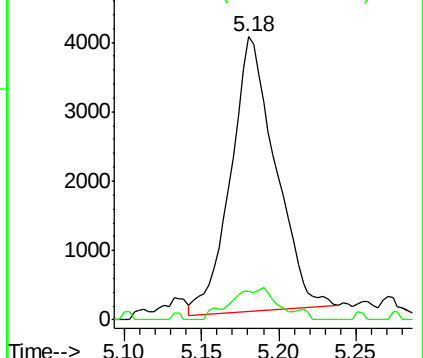
Ion Ratio Lower Upper

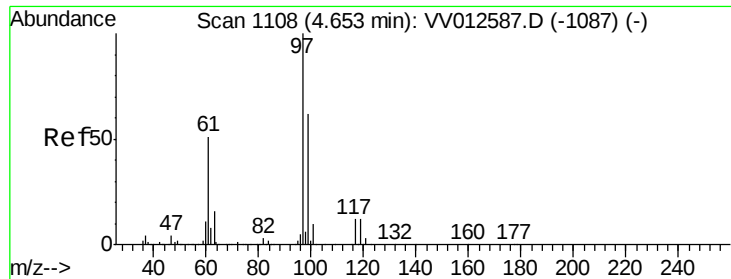
62 100

98 10.0 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VV012580.D (-1179) (-)





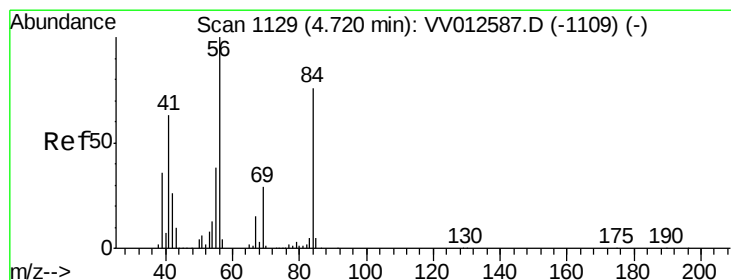
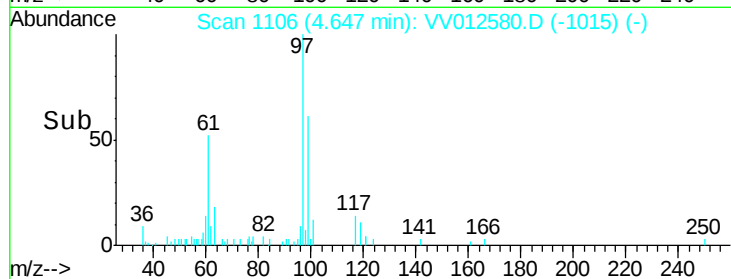
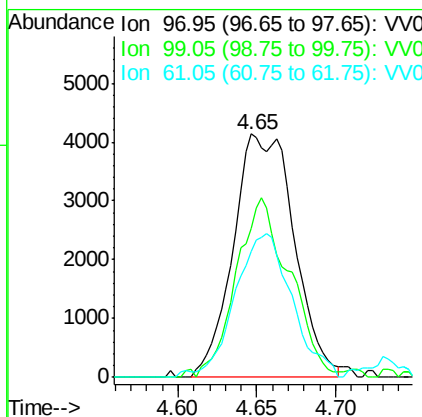
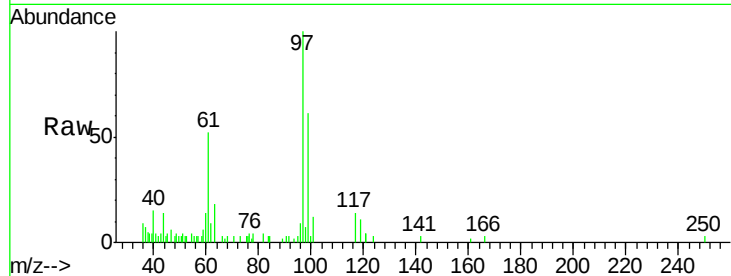
#29
 1,1,1-Trichloroethane
 Concen: 0.457 ug/L m
 RT: 4.65 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	55.3	43.4	65.0

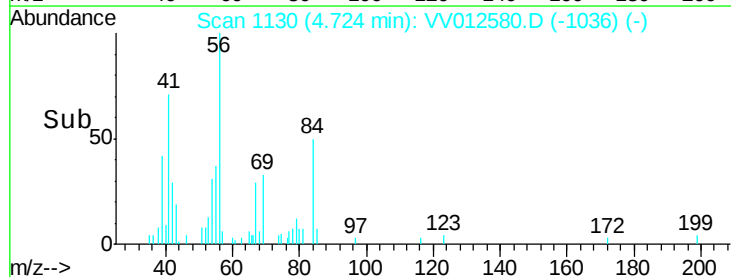
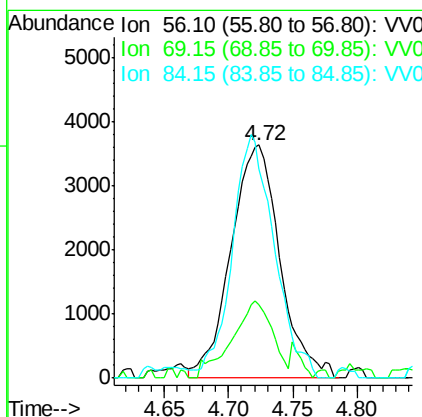
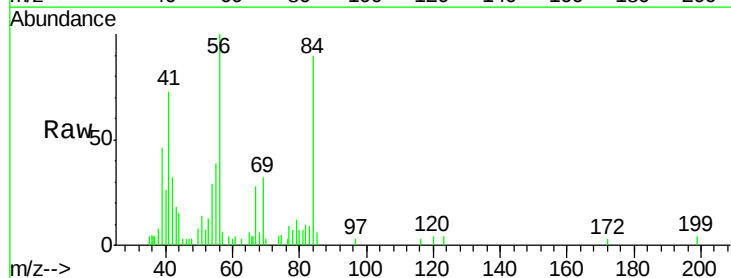
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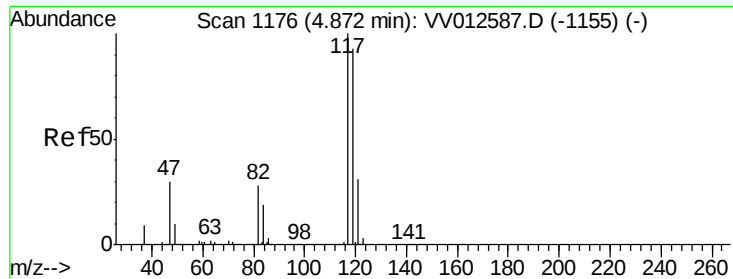
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#30
 Cyclohexane
 Concen: 0.386 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.4	23.4	35.0
84	89.8	68.0	102.0





#31

Carbon tetrachloride

Concen: 0.449 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion:117 Resp: 9503

Ion Ratio Lower Upper

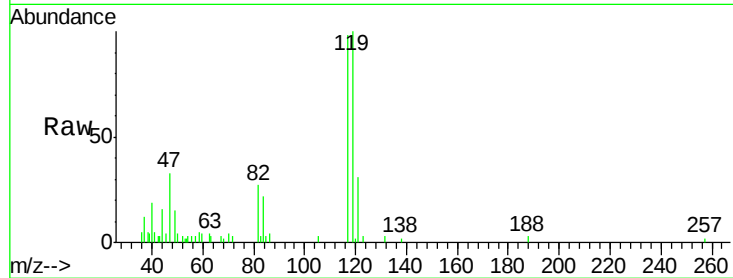
117 100

119 103.6 76.9 115.3

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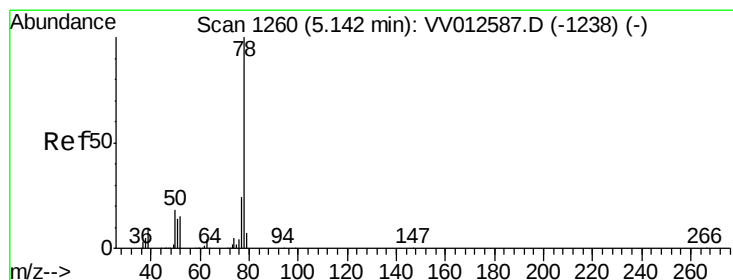
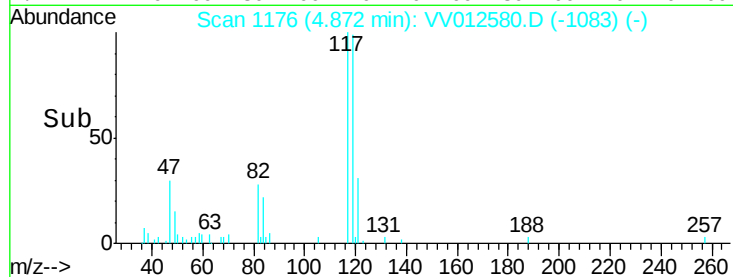
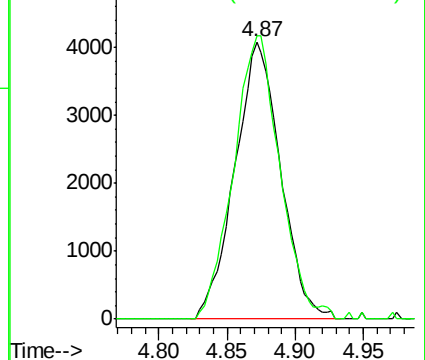
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.421 ug/L

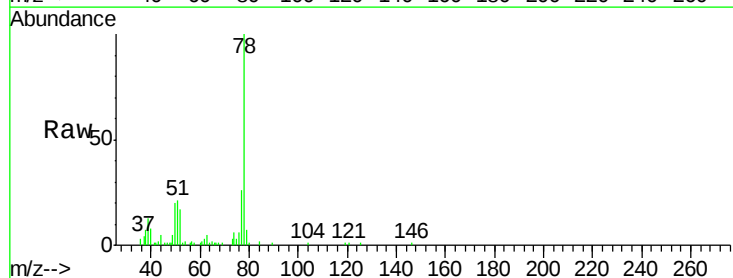
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

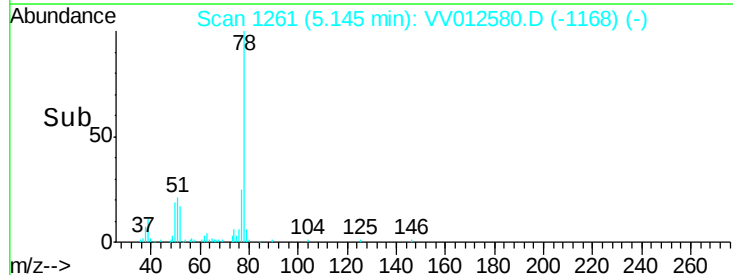
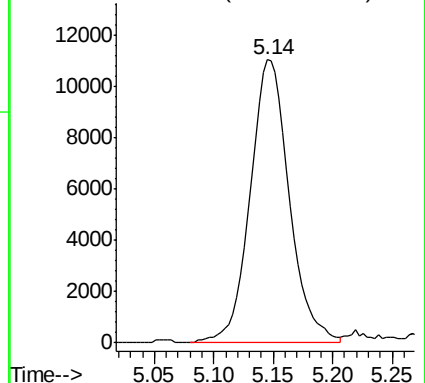
Lab File: VV012580.D

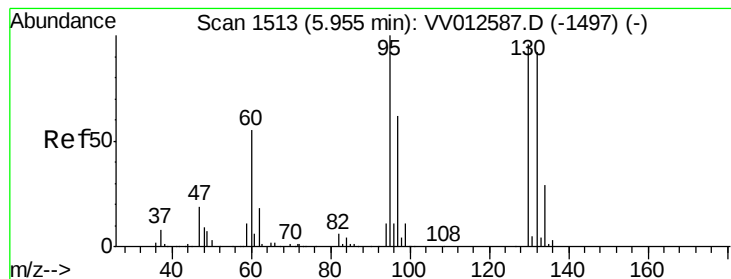
Acq: 05 Sep 2019 12:37

Tgt Ion: 78 Resp: 25185



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.445 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 95 Resp: 7412

Ion Ratio Lower Upper

95 100

97 56.5 43.9 81.5

132 93.4 64.8 120.4

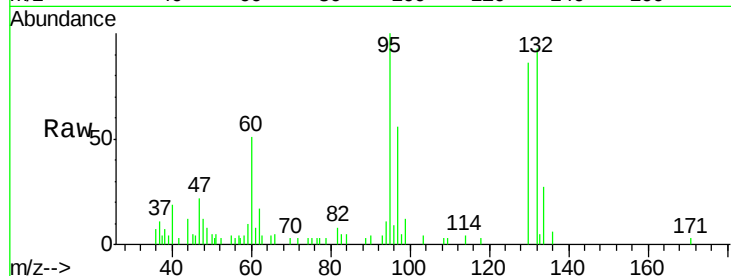
130 85.7 67.1 124.7

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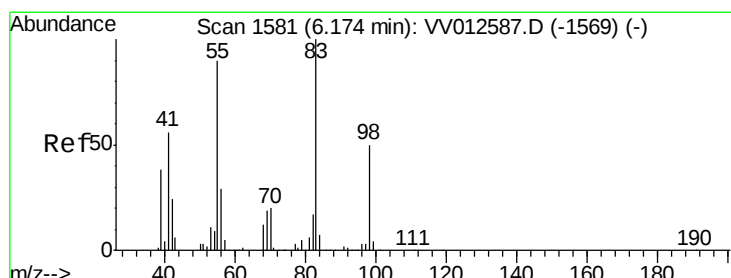
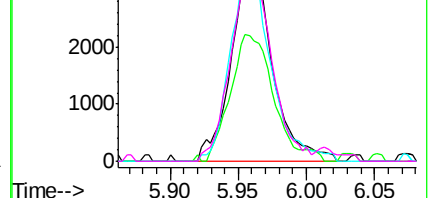
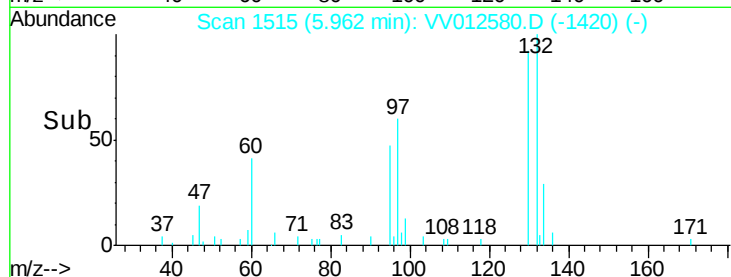
Abundance Ion 95.00 (94.70 to 95.70): VV012580.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012580.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012580.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012580.D (-1420) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.335 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

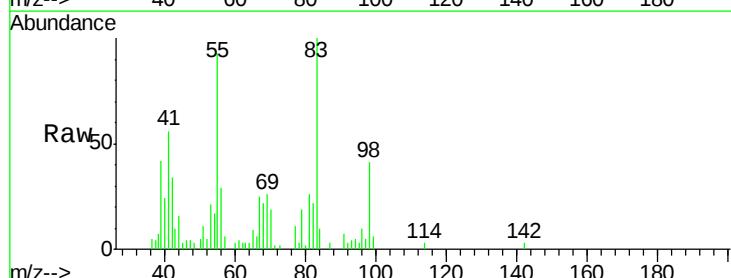
Tgt Ion: 83 Resp: 8450

Ion Ratio Lower Upper

83 100

55 101.3 69.0 103.6

98 53.9 38.0 57.0

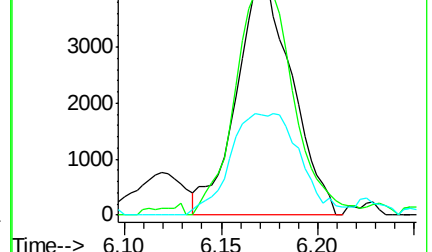
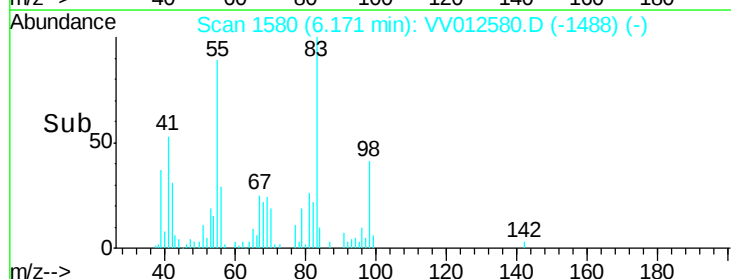


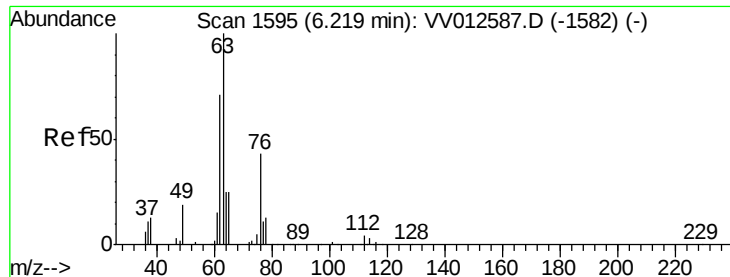
Abundance Ion 83.15 (82.85 to 83.85): VV012580.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012580.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012580.D (-1488) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 0.474 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 63 Resp: 7639

Ion Ratio Lower Upper

63 100

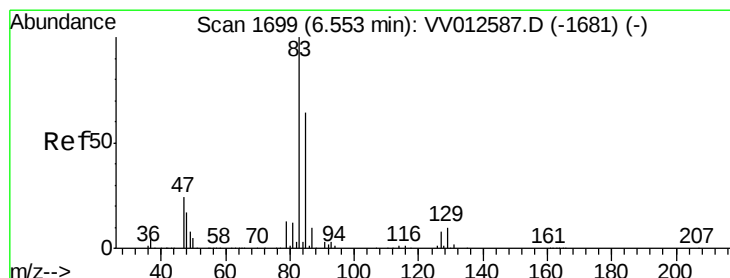
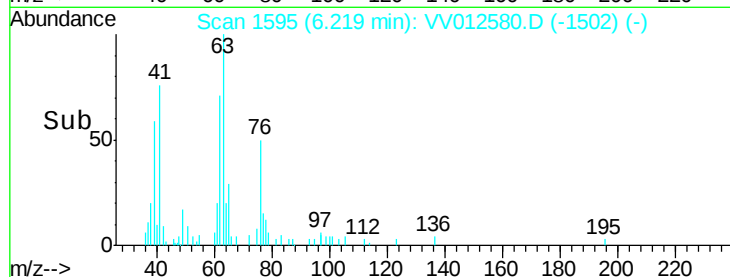
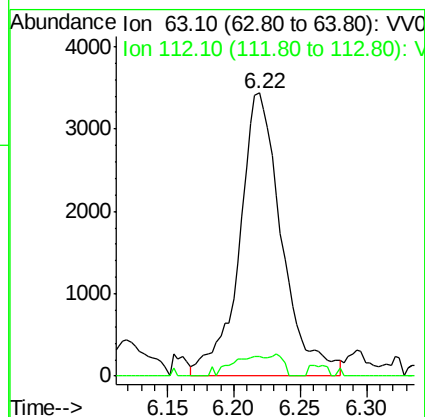
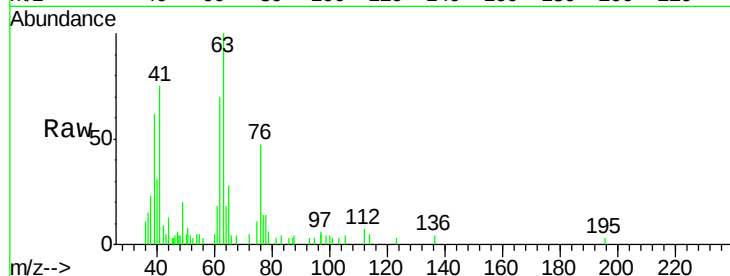
112 6.2 3.9 5.9#

Manual Integrations

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#38

Bromodichloromethane

Concen: 0.438 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

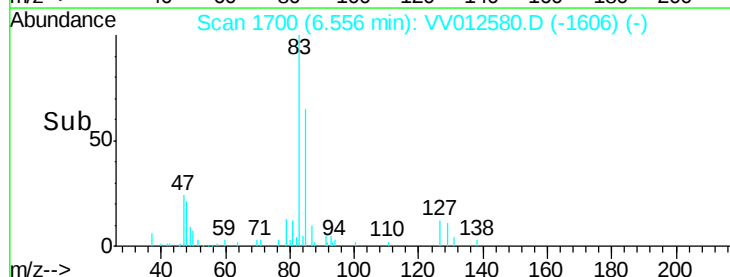
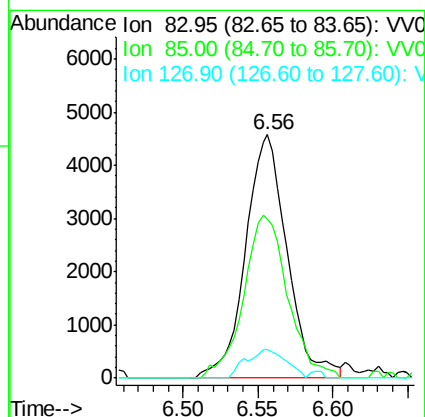
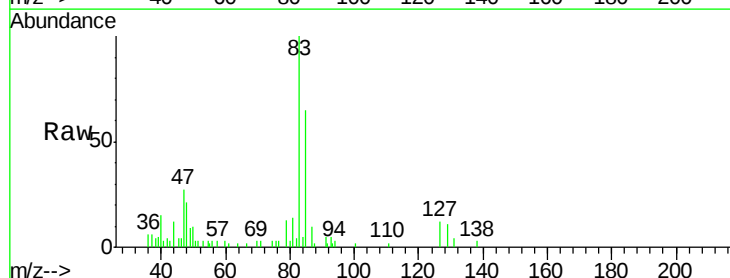
Tgt Ion: 83 Resp: 8859

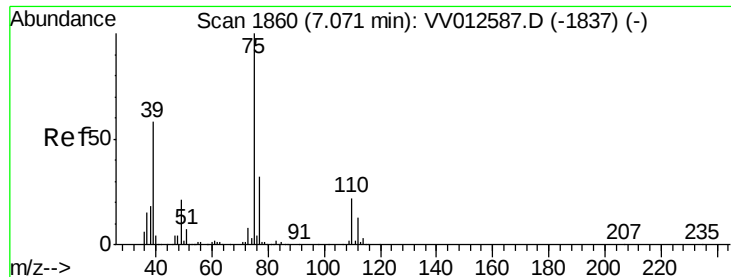
Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8

127 11.6 6.4 9.6#





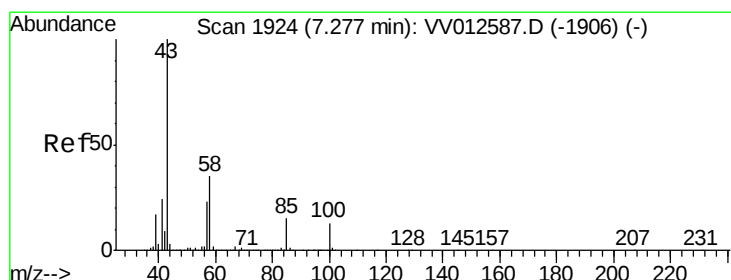
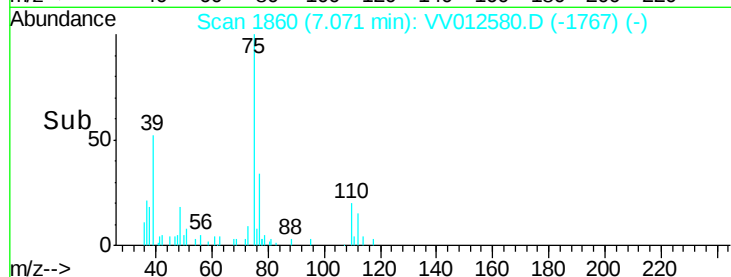
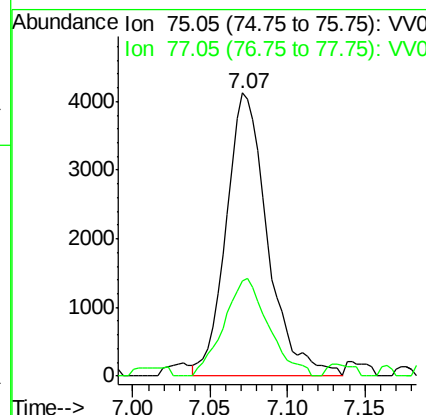
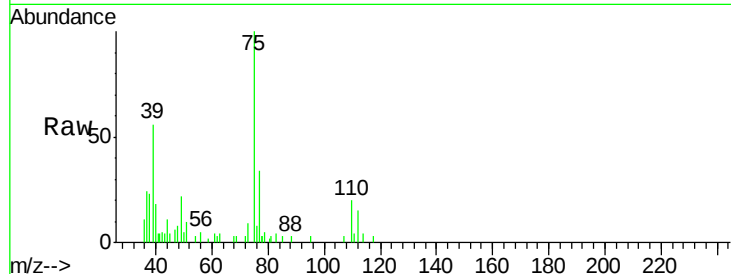
#39
 cis-1,3-Dichloropropene
 Concen: 0.372 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.6	21.6	40.2

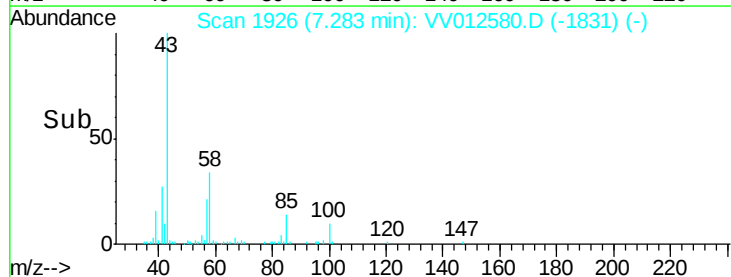
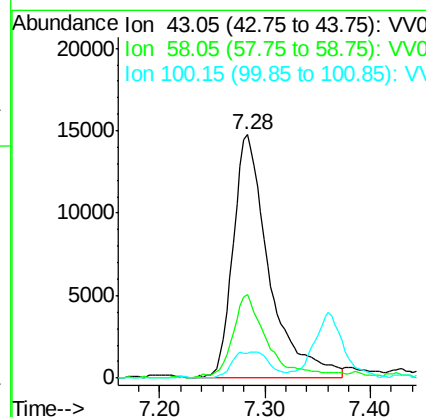
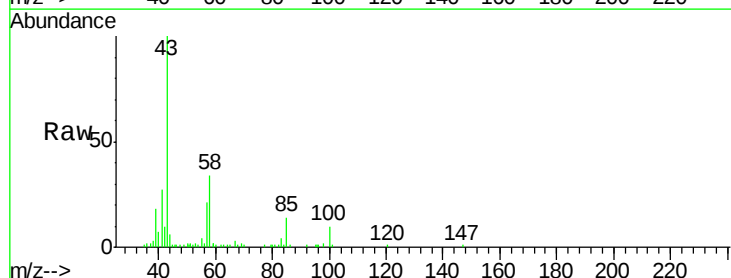
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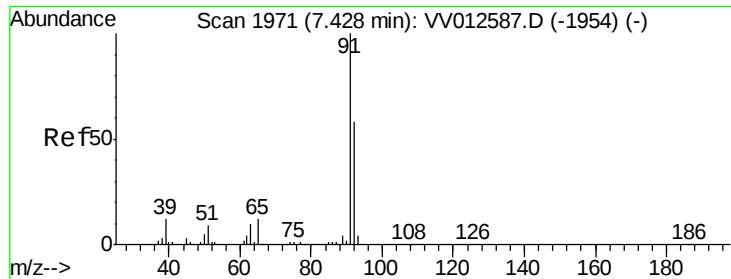
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 3.786 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	28.4	42.6
100	11.0	9.8	14.6





#42

Toluene

Concen: 0.349 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 91 Resp: 22820

Ion Ratio Lower Upper

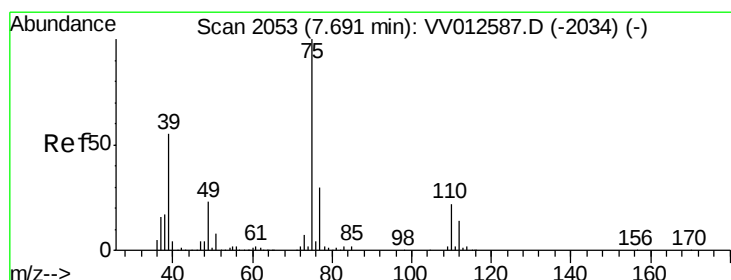
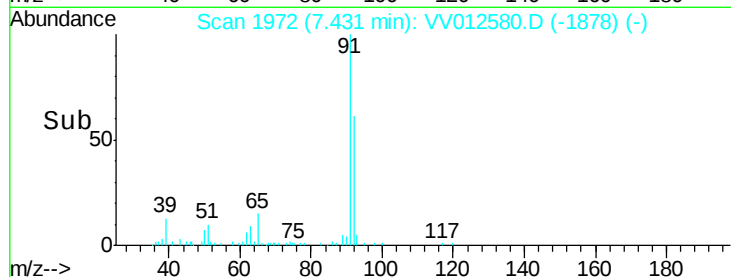
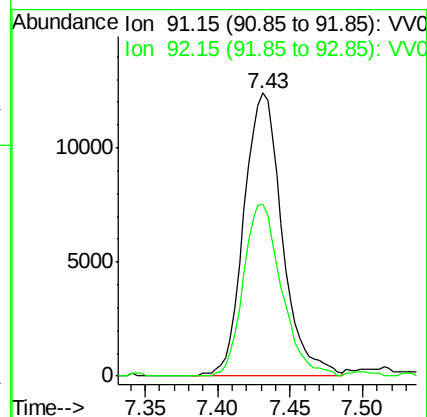
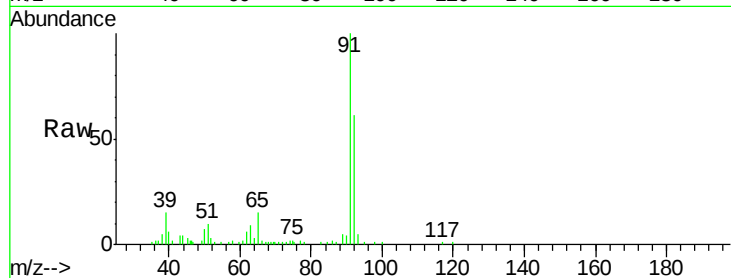
91 100

92 60.6 40.0 74.2

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#44

trans-1,3-Dichloropropene

Concen: 0.395 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012580.D

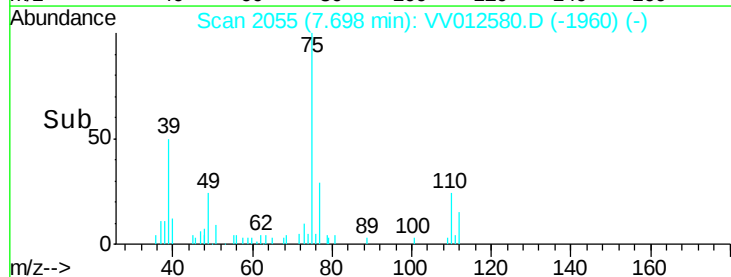
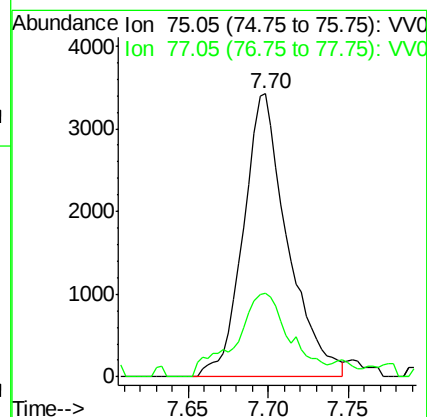
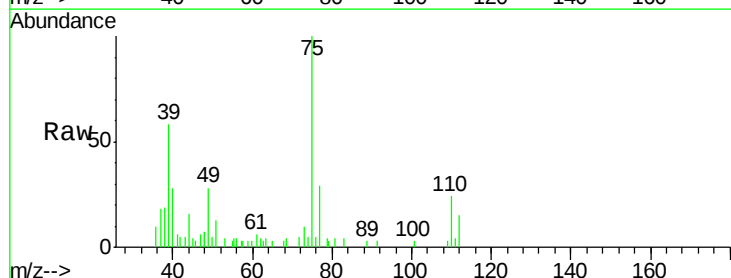
Acq: 05 Sep 2019 12:37

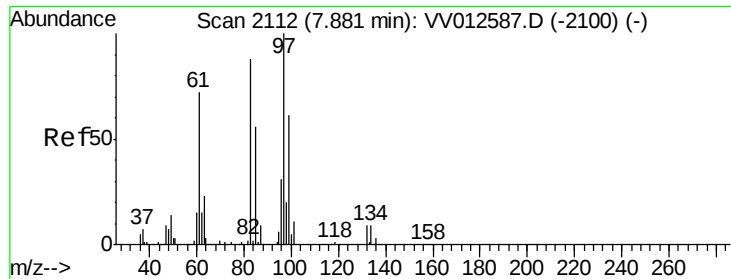
Tgt Ion: 75 Resp: 6464

Ion Ratio Lower Upper

75 100

77 29.5 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 0.470 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

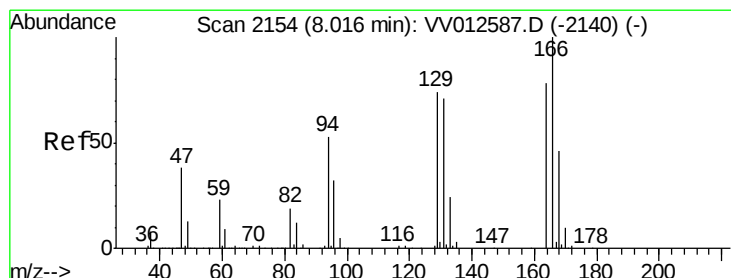
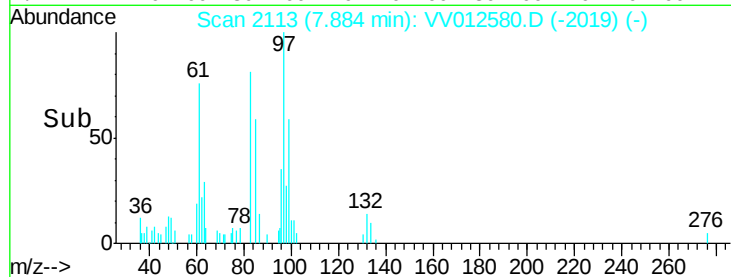
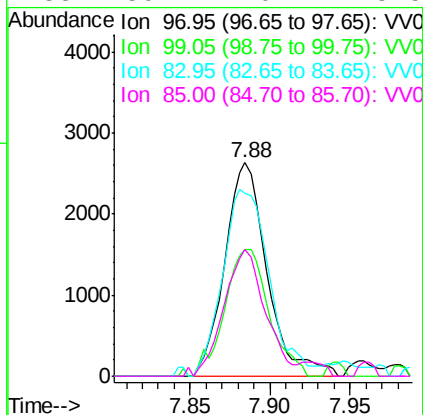
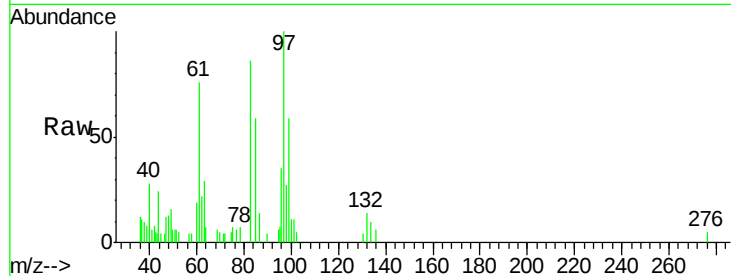
ClientSampleId :

VSTD0.531

Tot Ion:	97	Resp:	4741
Ion	Ratio	Lower	Upper
97	100		
99	59.3	44.3	82.3
83	85.8	62.6	116.3
85	59.1	40.7	75.5

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#47

Tetrachloroethene

Concen: 0.436 ug/L

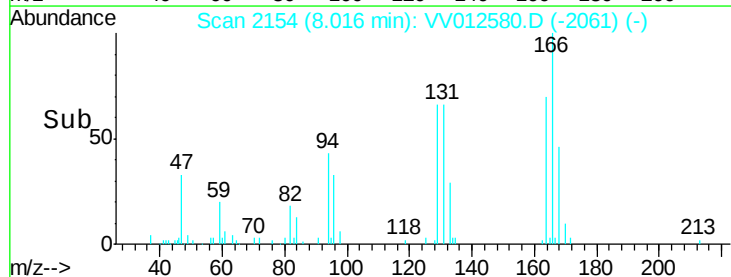
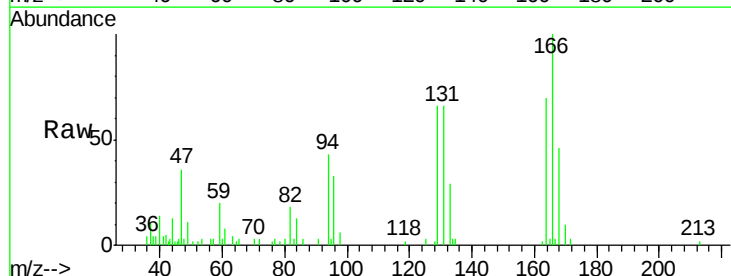
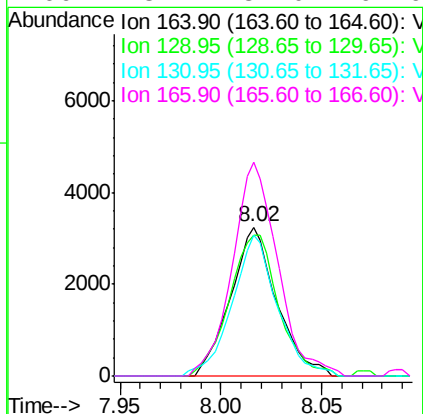
RT: 8.02 min Scan# 2154

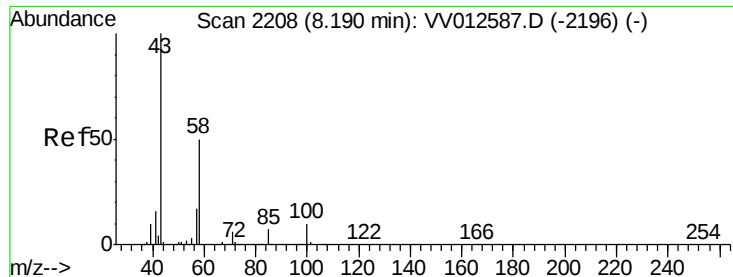
Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion:	164	Resp:	5214
Ion	Ratio	Lower	Upper
164	100		
129	94.9	65.0	120.6
131	94.2	62.0	115.2
166	143.4	87.0	161.6





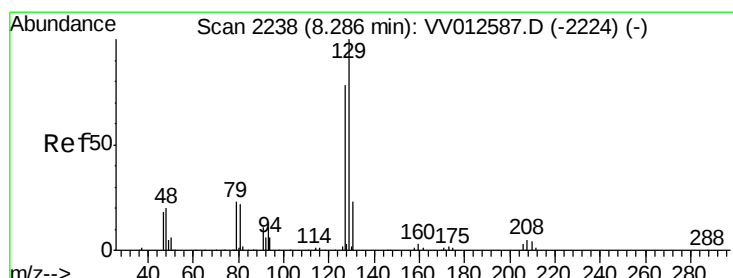
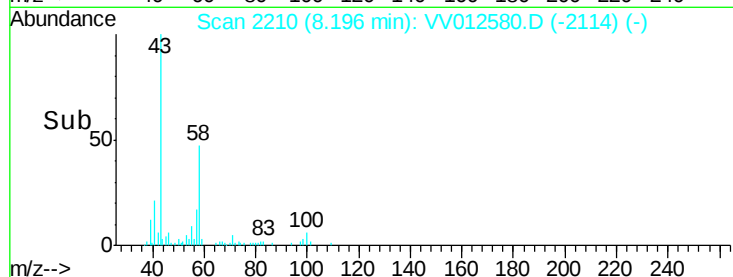
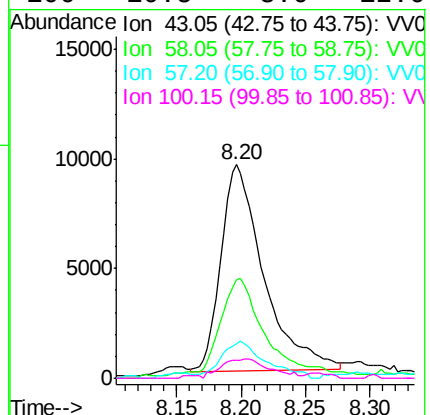
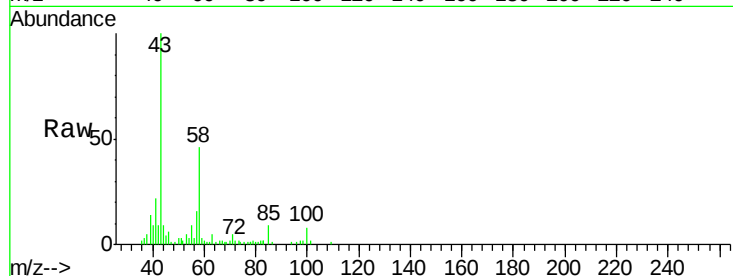
#48
2-Hexanone
Concen: 3.345 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		21776		
58	51.0	39.3	58.9		
57	18.6	12.9	19.3		
100	10.5	8.0	12.0		

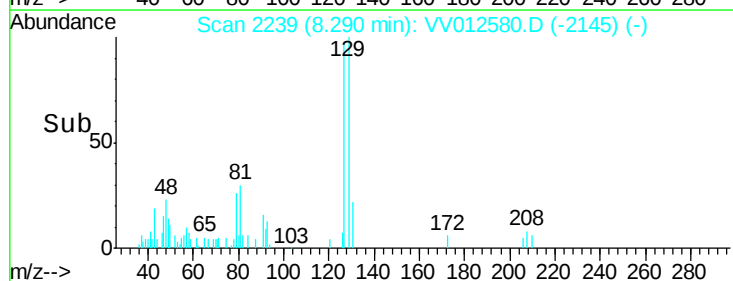
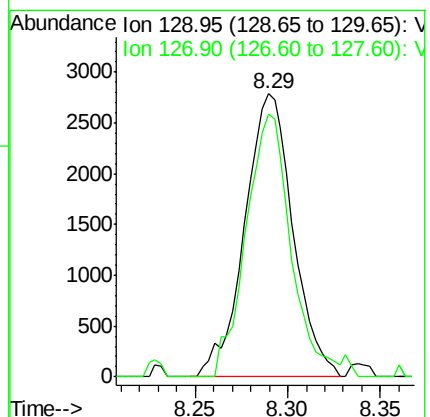
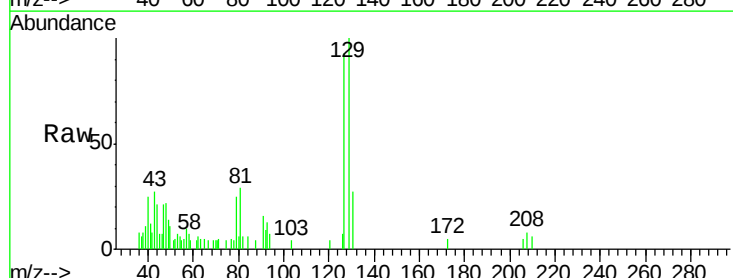
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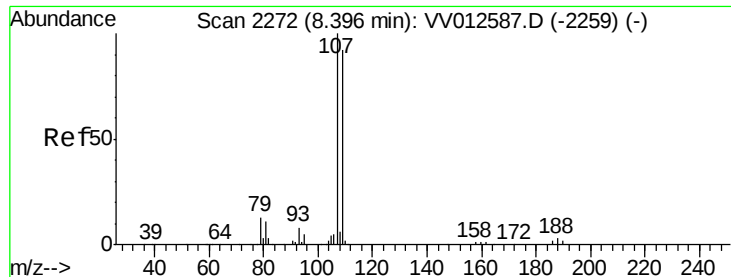
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#49
Dibromochloromethane
Concen: 0.426 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		5051		
127	92.8	53.0	98.4		





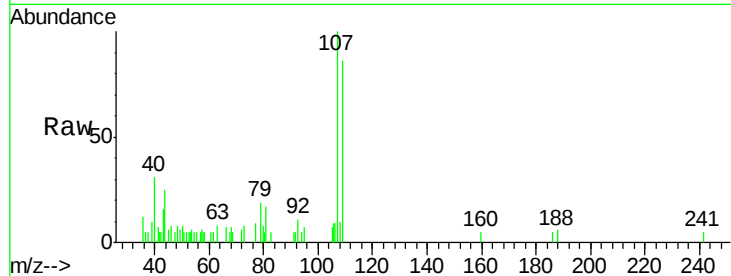
#50
 1,2-Dibromoethane
 Concen: 0.426 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

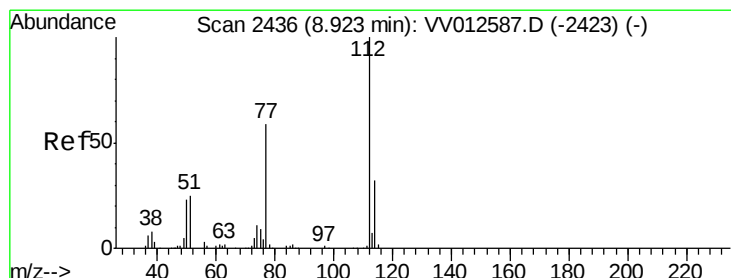
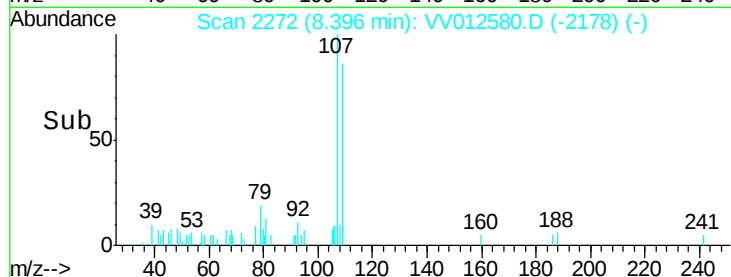
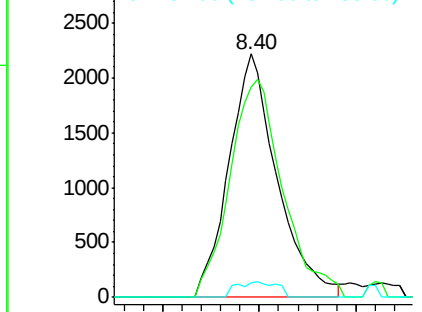
Tot Ion	Ratio	Lower	Upper
107	100		
109	86.4	68.5	127.3
188	5.9	2.6	3.8#

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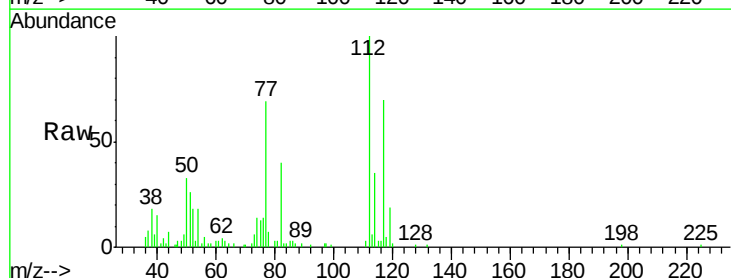


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

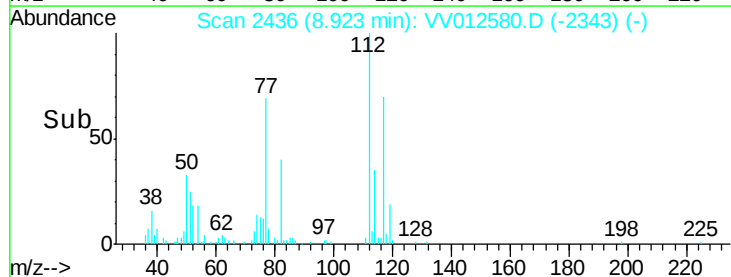
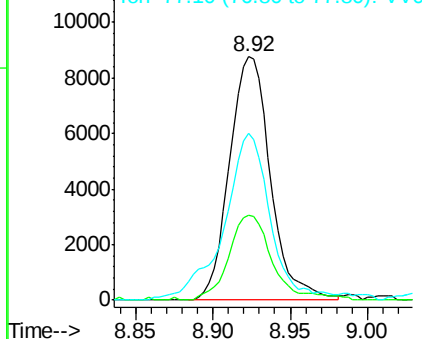


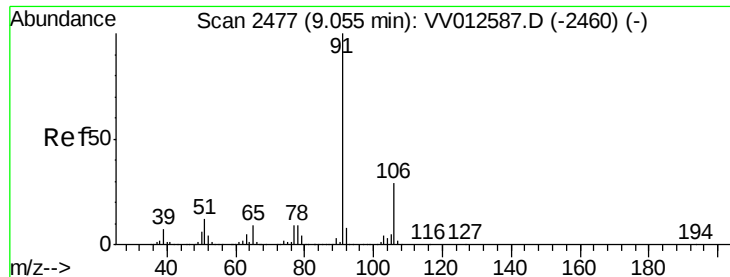
#51
 Chlorobenzene
 Concen: 0.396 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.0	22.7	42.3
77	68.6	51.7	77.5



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.334 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion: 91 Resp: 23548

Ion Ratio Lower Upper

91 100

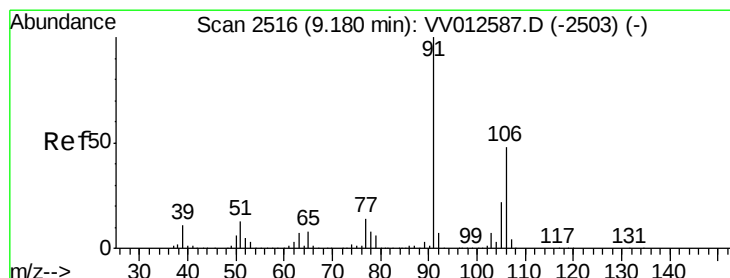
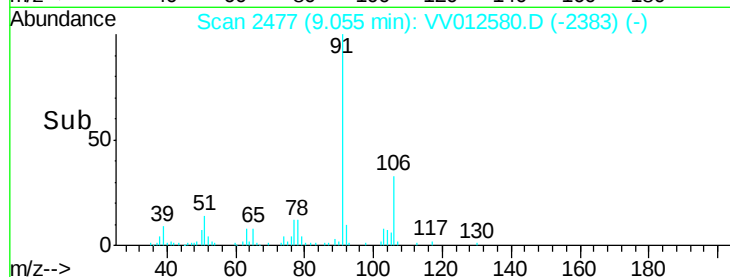
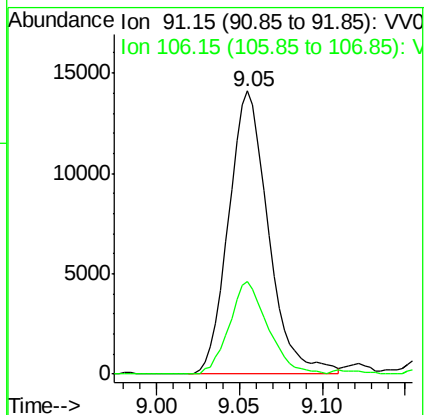
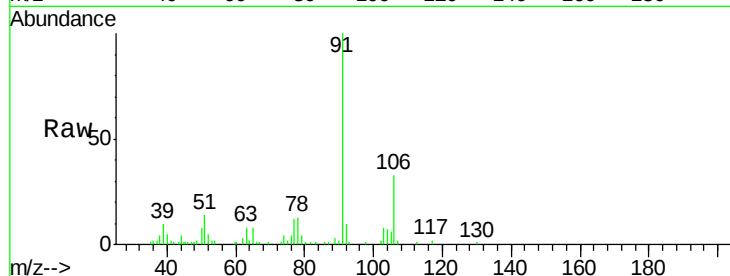
106 32.8 20.6 38.2

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#53

m,p-xylene

Concen: 0.324 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012580.D

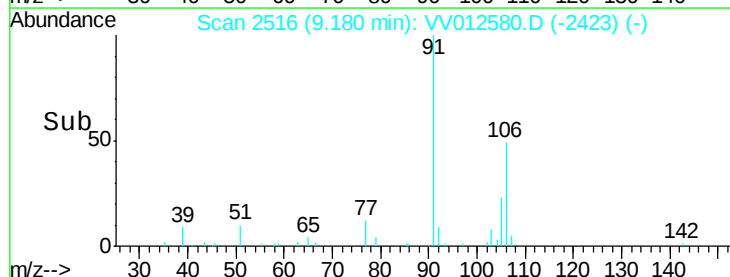
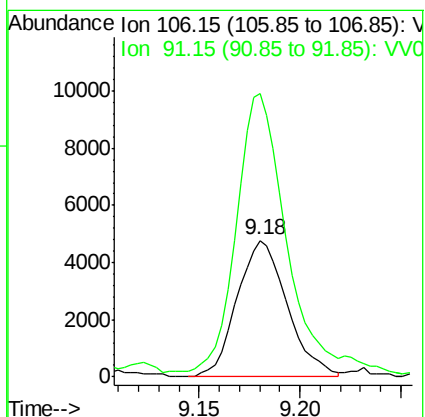
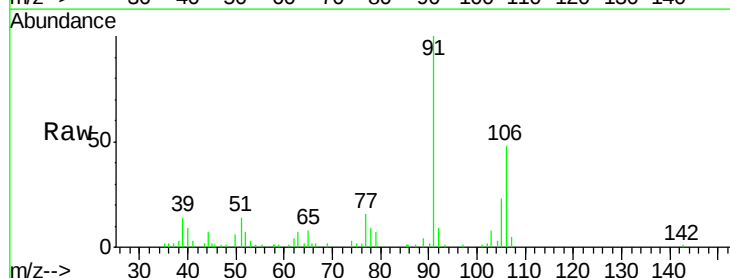
Acq: 05 Sep 2019 12:37

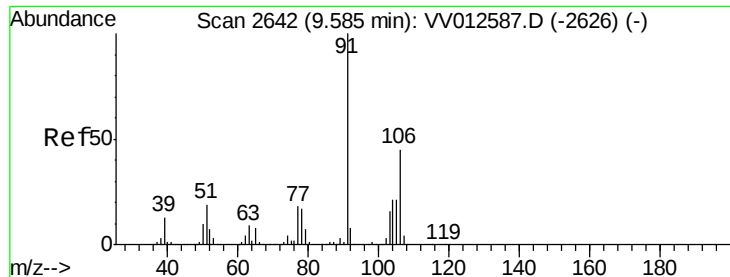
Tgt Ion: 106 Resp: 8322

Ion Ratio Lower Upper

106 100

91 207.6 145.0 269.2





#54

o-xylene

Concen: 0.331 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tot Ion:106 Resp: 7999

Ion Ratio Lower Upper

106 100

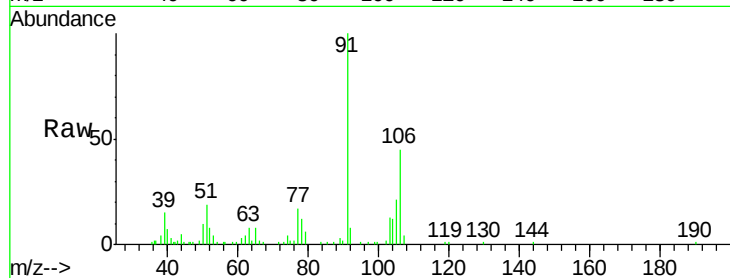
91 222.8 157.0 291.6

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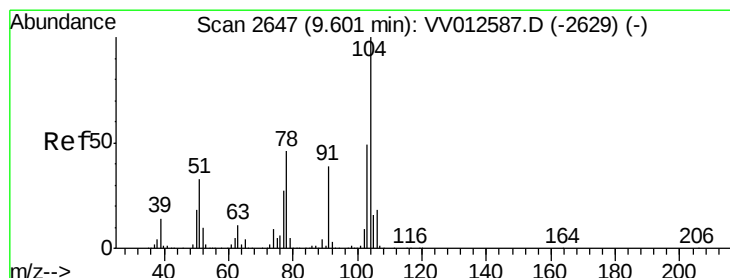
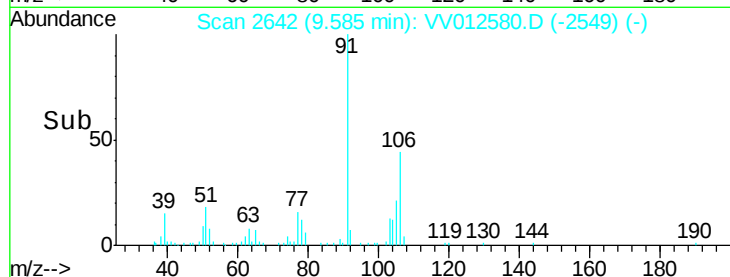
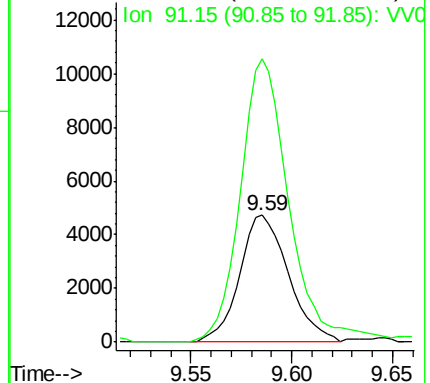
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.283 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012580.D

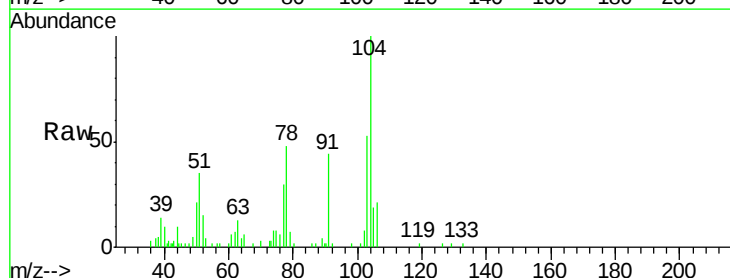
Acq: 05 Sep 2019 12:37

Tgt Ion:104 Resp: 11656

Ion Ratio Lower Upper

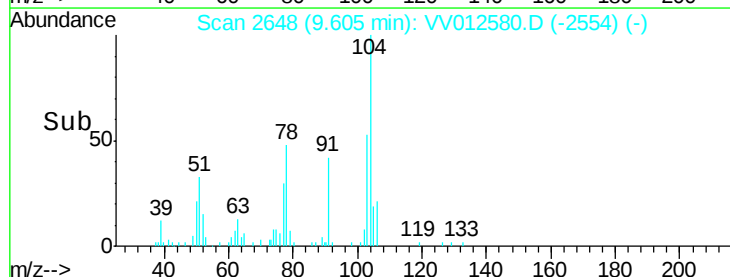
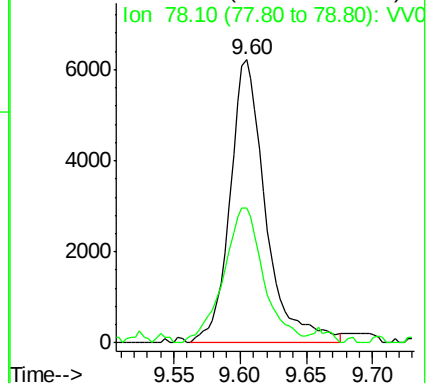
104 100

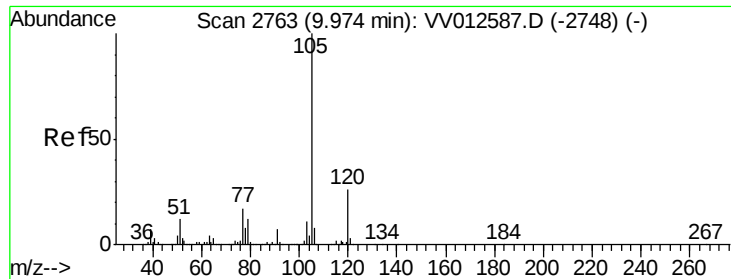
78 47.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.286 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

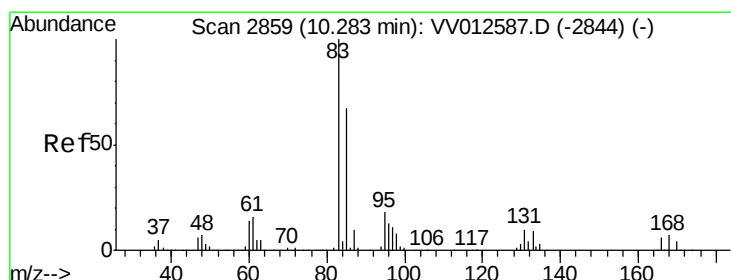
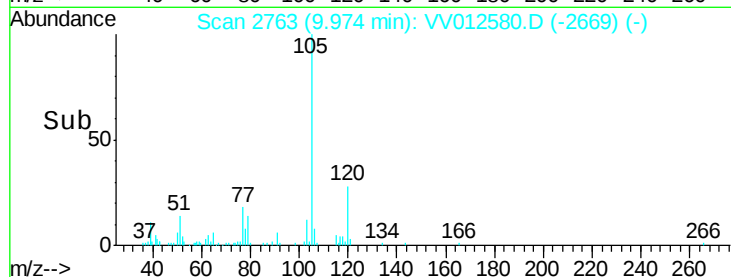
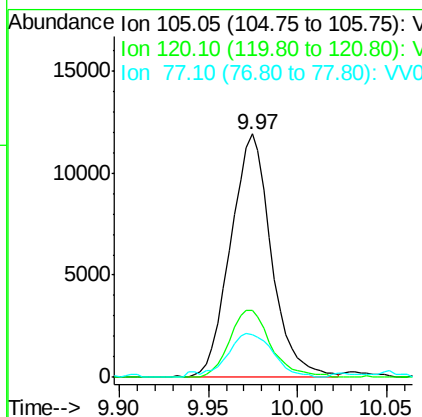
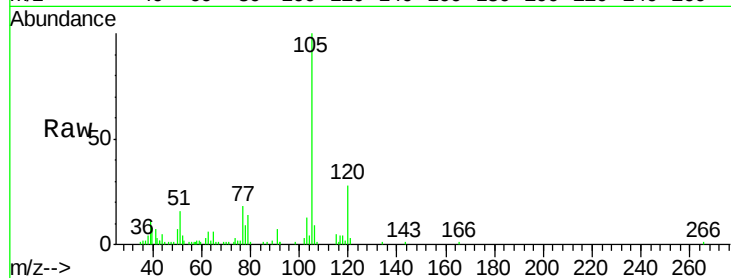
ClientSampleId :

VSTD0.531

Tot Ion:	105	Resp:	19017
Ion Ratio	Lower	Upper	
105	100		
120	28.0	20.6	30.8
77	19.9	14.2	21.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.409 ug/L

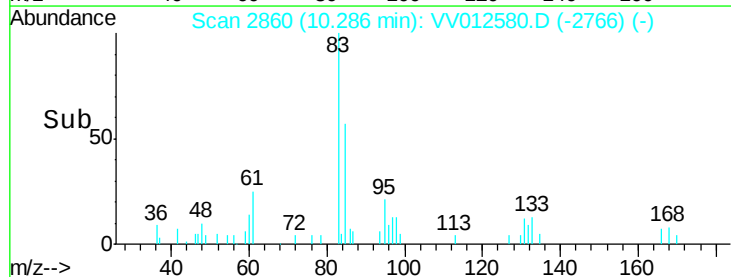
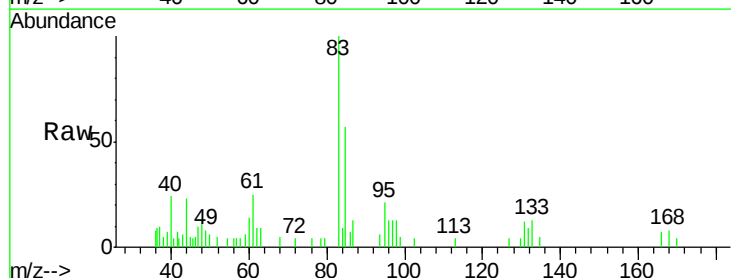
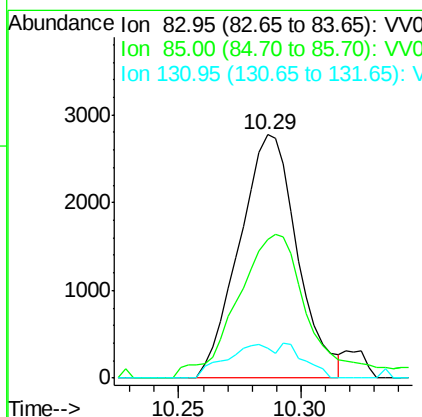
RT: 10.29 min Scan# 2860

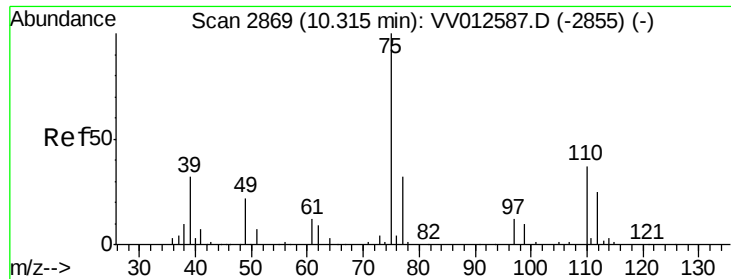
Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion:	83	Resp:	4563
Ion Ratio	Lower	Upper	
83	100		
85	57.0	44.7	82.9
131	12.2	7.4	11.2#





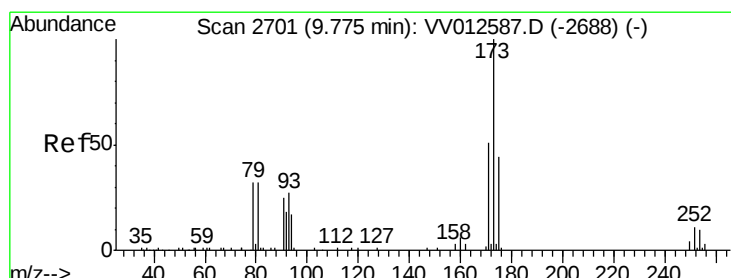
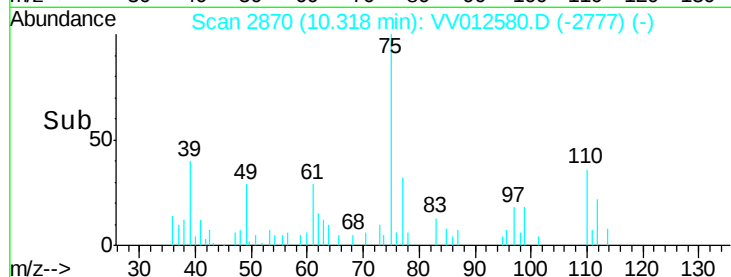
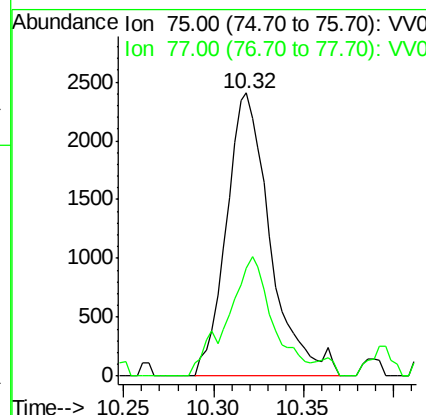
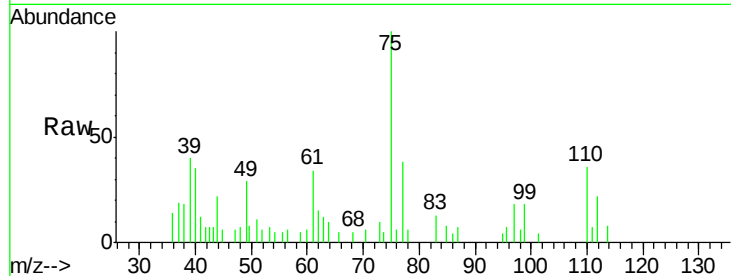
#59
1,2,3-Trichloropropane
Concen: 0.455 ug/L m
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tot Ion: 75 Resp: 4084
Ion Ratio Lower Upper
75 100
77 3.4 25.8 38.8#

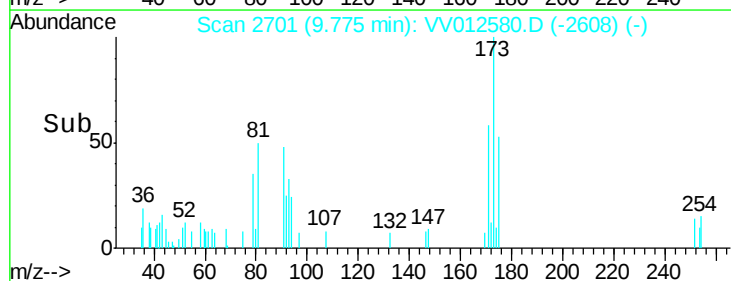
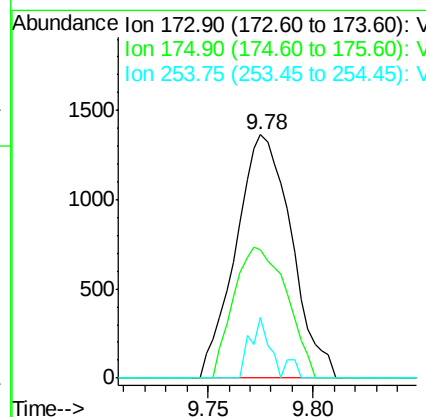
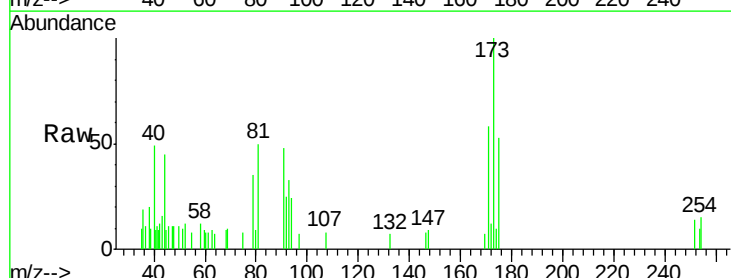
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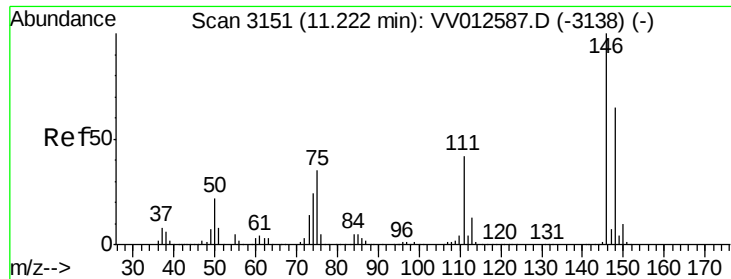
MMDadoda
9/6/2019 3:56:16 PM



#61
Bromoform
Concen: 0.525 ug/L
RT: 9.78 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV012580.D
Acq: 05 Sep 2019 12:37

Tgt Ion: 173 Resp: 2495
Ion Ratio Lower Upper
173 100
175 51.4 39.6 59.4
254 8.5 7.1 10.7





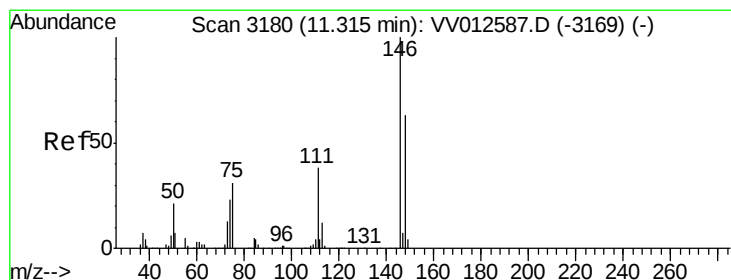
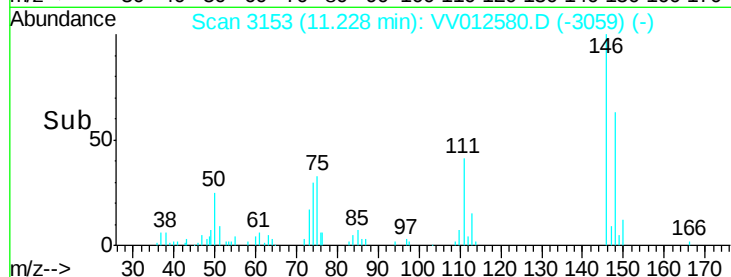
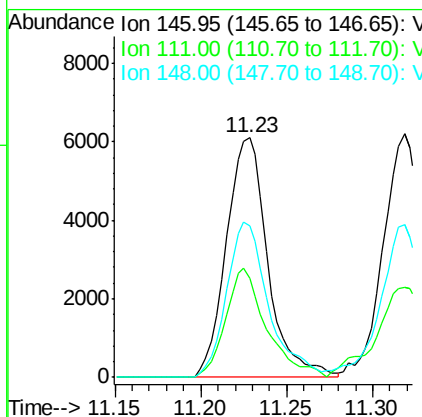
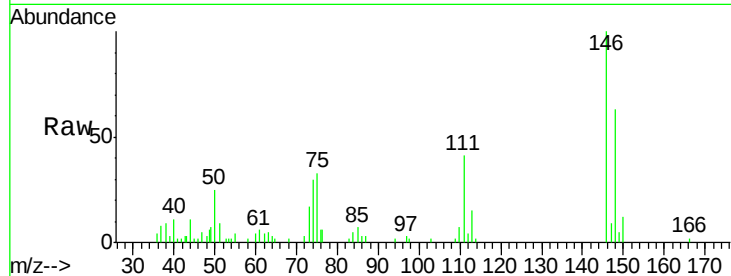
#62
 1,3-Dichlorobenzene
 Concen: 0.407 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.4	52.8
148	63.4	43.5	80.7

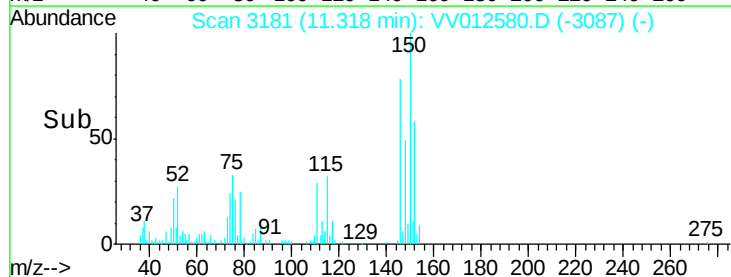
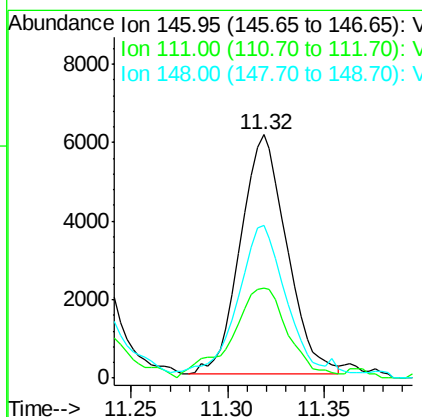
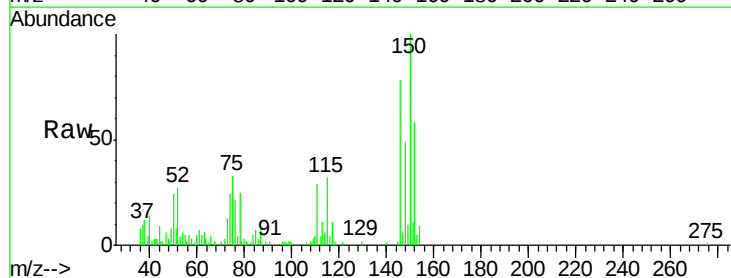
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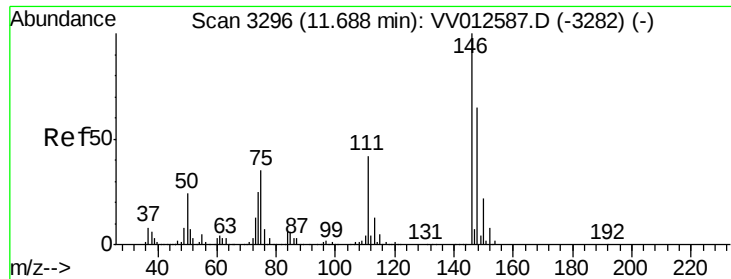
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#63
 1,4-Dichlorobenzene
 Concen: 0.394 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	27.5	51.1
148	63.0	44.8	83.2





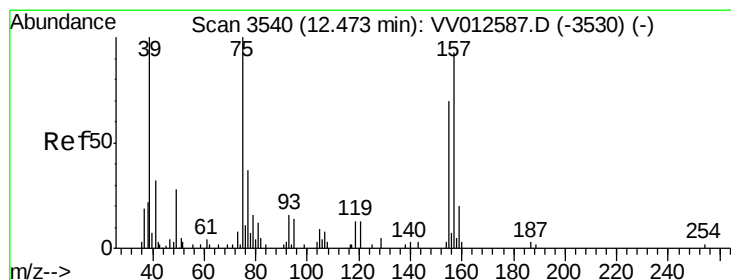
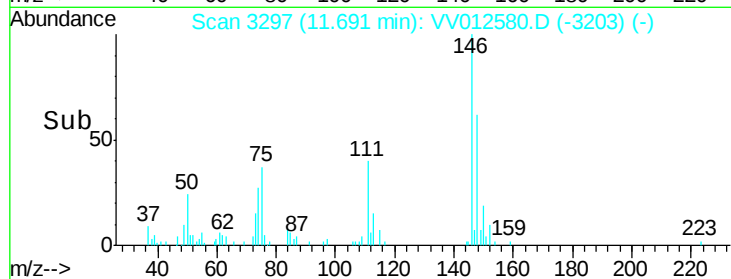
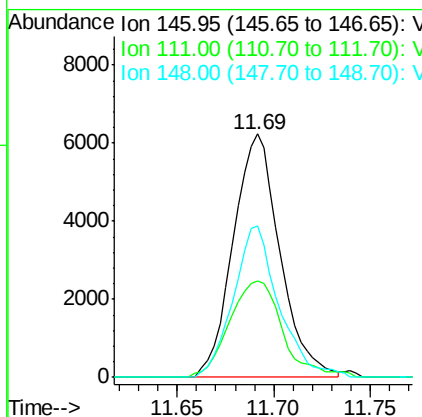
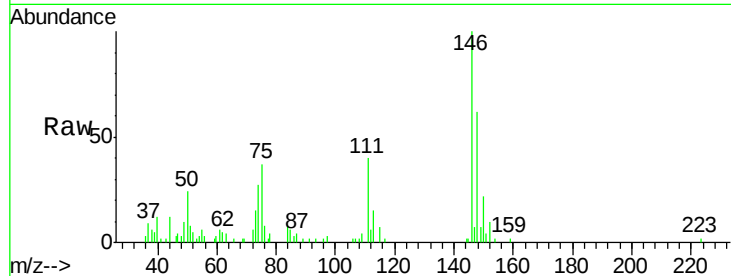
#65
 1,2-Dichlorobenzene
 Concen: 0.455 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	33.1	49.7
148	62.5	52.2	78.4

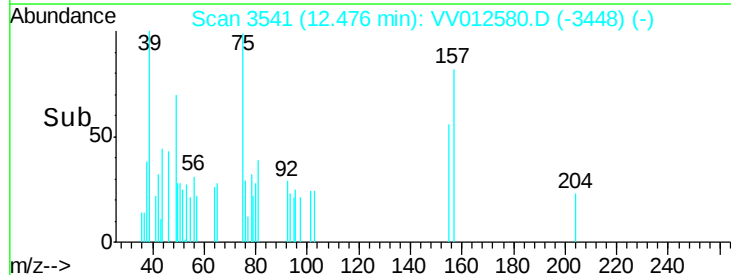
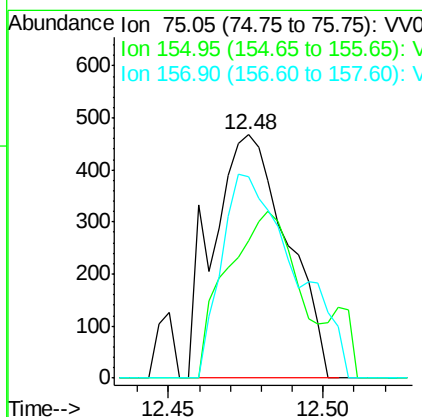
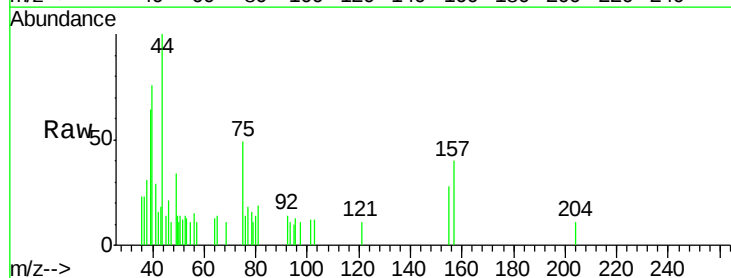
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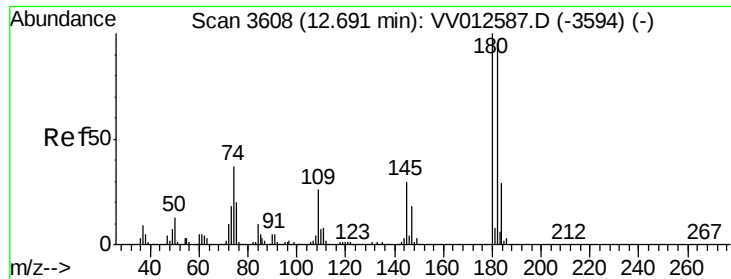
MMDadoda
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.503 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.4	63.0	94.6#
157	82.5	72.2	108.4





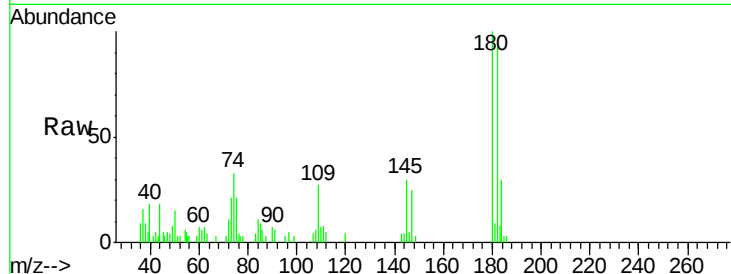
#67
 1,3,5-Trichlorobenzene
 Concen: 0.378 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.8	76.0	114.0
184	32.3	25.3	37.9
145	31.8	24.7	37.1

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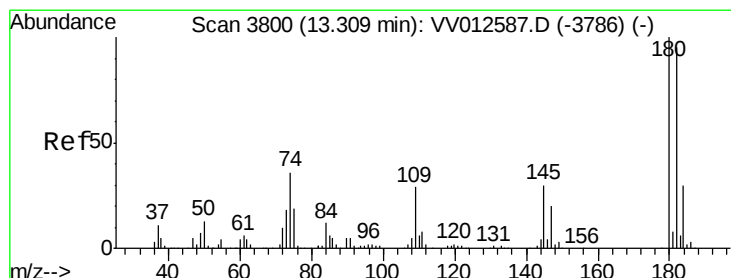
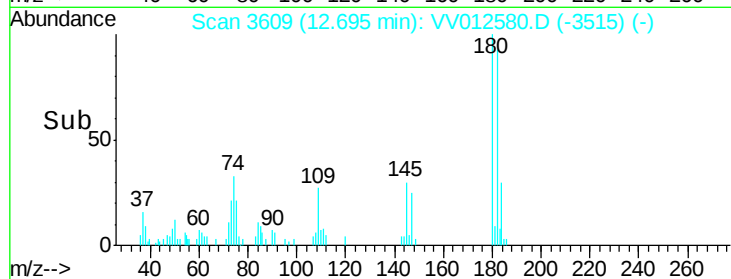
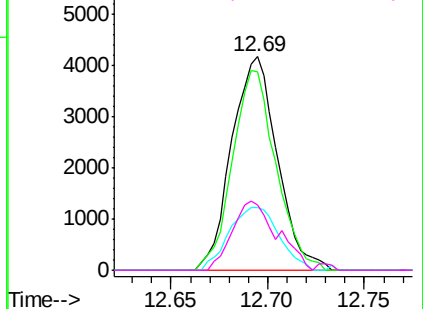


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

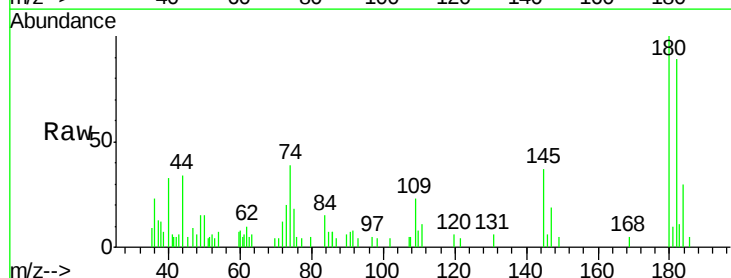
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.332 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.01 min
 Lab File: VV012580.D
 Acq: 05 Sep 2019 12:37

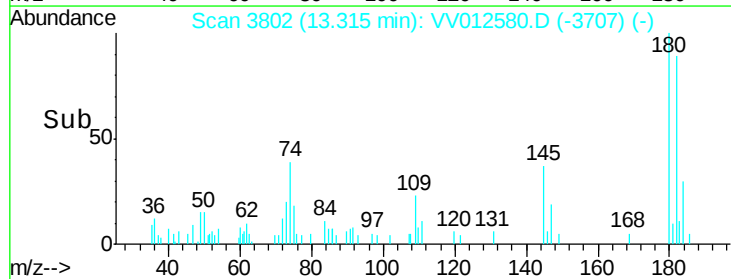
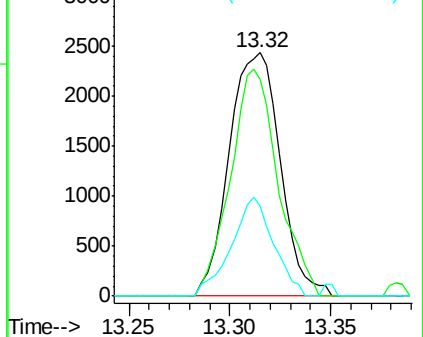
Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.7	74.7	112.1
145	33.5	24.9	37.3

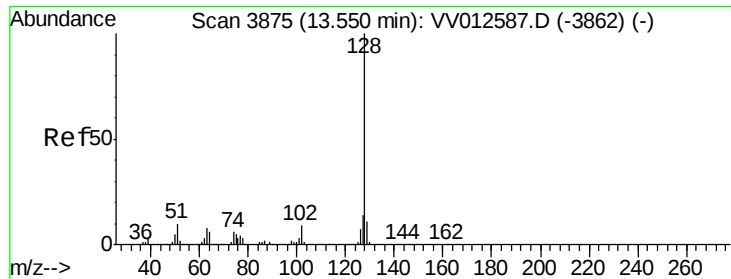


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.228 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Instrument :

MSVOA_V

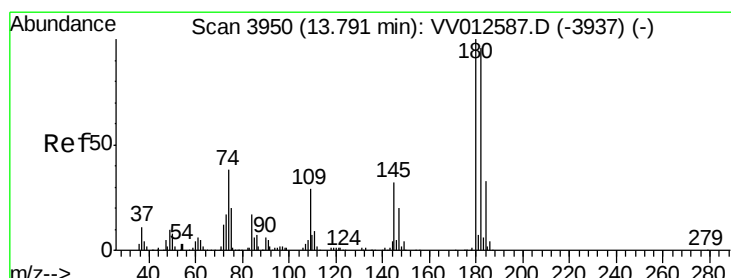
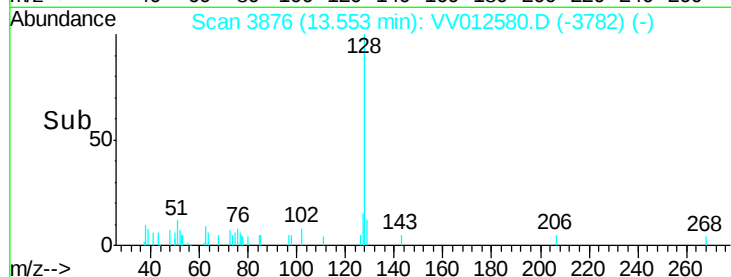
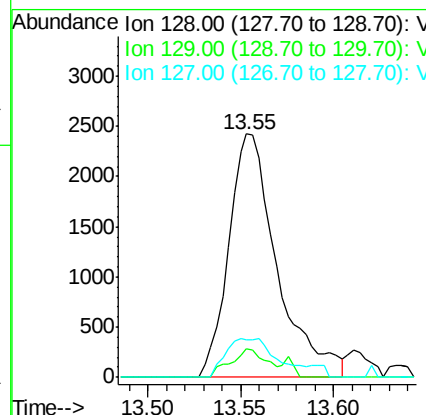
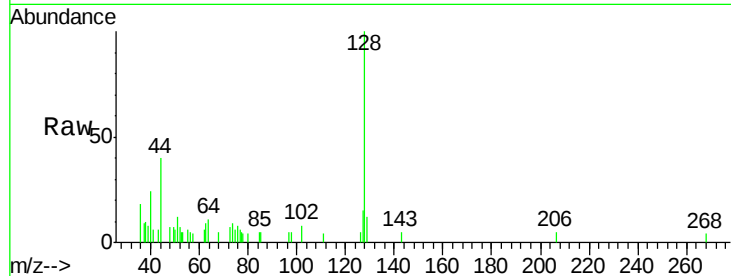
ClientSampleId :

VSTD0.531

Tot Ion:	128	Resp:	4382
Ion Ratio	Lower	Upper	
128	100		
129	8.4	8.6	12.8#
127	16.9	11.1	16.7#

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#70

1,2,3-Trichlorobenzene

Concen: 0.342 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012580.D

Acq: 05 Sep 2019 12:37

Tgt Ion:	180	Resp:	4088
Ion Ratio	Lower	Upper	
180	100		
182	93.5	77.8	116.6
145	34.4	26.8	40.2

