

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012419\
 Data File : VV009260.D
 Acq On : 24 Jan 2019 15:11
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICSVV012419

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:01:37 AM

Quant Time: Jan 24 15:35:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 15:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	78850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	130491	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	121202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	63298	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	47733	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	4.64	113	42714	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	7.36	98	163811	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	10.12	95	64219	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	32779	49.435	ug/l	99
3) Chloromethane	1.25	50	42053	46.944	ug/l	100
4) Vinyl Chloride	1.33	62	43139	47.536	ug/l	97
5) Bromomethane	1.53	94	23679	46.116	ug/l	100
6) Chloroethane	1.60	64	22298	46.848	ug/l	93
7) Trichlorofluoromethane	1.76	101	19464	45.401	ug/l	100
8) Diethyl Ether	1.96	74	20176	47.266	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.14	101	36135	47.344	ug/l	97
10) Methyl Iodide	2.26	142	58878	46.825	ug/l	98
11) Tert butyl alcohol	2.65	59	20233	267.838	ug/l #	94
12) 1,1-Dichloroethene	2.14	96	36233	45.687	ug/l	92
13) Acrolein	2.06	56	11963	260.720	ug/l	98
14) Allyl chloride	2.42	41	55288	46.672	ug/l	95
15) Acrylonitrile	2.76	53	51050	255.368	ug/l	97
16) Acetone	2.18	43	60992	242.709	ug/l	97
17) Carbon Disulfide	2.32	76	104803	47.070	ug/l	99
18) Methyl Acetate	2.44	43	31716	48.172	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	60488	48.724	ug/l	99
20) Methylene Chloride	2.53	84	38541	46.678	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	37378	45.514	ug/l	90
22) Diisopropyl ether	3.33	45	125921	44.475	ug/l	89
23) Vinyl Acetate	3.30	43	423257	242.488	ug/l	98
24) 1,1-Dichloroethane	3.22	63	74620	42.675	ug/l	98
25) 2-Butanone	4.01	43	83930	243.552	ug/l	99
26) 2,2-Dichloropropane	3.95	77	40601	45.555	ug/l	96
27) cis-1,2-Dichloroethene	3.95	96	46191	44.355	ug/l	96
28) Bromochloromethane	4.29	49	36062	51.407	ug/l	94
29) Tetrahydrofuran	4.39	42	49340	251.210	ug/l	96
30) Chloroform	4.42	83	77475	44.095	ug/l	99
31) Cyclohexane	4.72	56	69854	43.333	ug/l	94
32) 1,1,1-Trichloroethane	4.65	97	60833	44.532	ug/l	99
36) 1,1-Dichloropropene	4.87	75	59536	45.563	ug/l	98
37) Ethyl Acetate	4.12	43	33245	43.630	ug/l	98
38) Carbon Tetrachloride	4.87	117	60149	46.551	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	77656	47.423	ug/l	100
40) Benzene	5.14	78	172737	44.873	ug/l	99
41) Methacrylonitrile	4.31	41	18822	49.444	ug/l	94
42) 1,2-Dichloroethane	5.17	62	54235	45.311	ug/l	97
43) Isopropyl Acetate	5.33	43	61993	48.978	ug/l	97
44) Trichloroethene	5.96	130	45584	44.373	ug/l	93
45) 1,2-Dichloropropane	6.22	63	42153	44.482	ug/l	99
46) Dibromomethane	6.35	93	24877	46.860	ug/l	95
47) Bromodichloromethane	6.55	83	56779	45.470	ug/l	98
48) Methyl methacrylate	6.42	41	31395	50.002	ug/l	99
49) 1,4-Dioxane	6.41	88	8432	1012.206	ug/l	94
51) 4-Methyl-2-Pentanone	7.27	43	166446	249.871	ug/l	98
52) Toluene	7.43	92	109307	44.966	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	58583	46.390	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	66175	46.190	ug/l	98
55) 1,1,2-Trichloroethane	7.88	97	35424	47.854	ug/l	98
56) Ethyl methacrylate	7.83	69	45339	50.695	ug/l	98
57) 1,3-Dichloropropane	8.05	76	61758	46.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.94	63	4184	245.673	ug/l	95
59) 2-Hexanone	8.18	43	122531	255.873	ug/l	98
60) Dibromochloromethane	8.29	129	39351	46.505	ug/l	99
61) 1,2-Dibromoethane	8.40	107	35433	47.640	ug/l	99
64) Tetrachloroethene	8.02	164	38775	46.397	ug/l	95
65) Chlorobenzene	8.92	112	121364	44.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	41750	45.745	ug/l	98
67) Ethyl Benzene	9.05	91	212918	45.913	ug/l	99
68) m/p-Xylenes	9.18	106	164312	92.367	ug/l	95
69) o-Xylene	9.59	106	77940	46.885	ug/l	96
70) Styrene	9.60	104	126607	46.767	ug/l	99
71) Bromoform	9.78	173	23823	48.415	ug/l #	95
73) Isopropylbenzene	9.97	105	214034	45.533	ug/l	99
74) N-amyl acetate	9.84	43	53027	48.211	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.29	83	45710	47.289	ug/l	99
76) 1,2,3-Trichloropropane	10.32	75	49874	66.554	ug/l	78
77) Bromobenzene	10.26	156	49043	44.715	ug/l	96
78) n-propylbenzene	10.40	91	253778	45.632	ug/l	99
79) 2-Chlorotoluene	10.47	91	151356	45.155	ug/l	99
80) 1,3,5-Trimethylbenzene	10.59	105	180141	45.560	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	13536	51.459	ug/l	96
82) 4-Chlorotoluene	10.58	91	177893	44.768	ug/l	100
83) tert-Butylbenzene	10.91	119	175162	45.885	ug/l	98
84) 1,2,4-Trimethylbenzene	10.96	105	185638	45.738	ug/l	98
85) sec-Butylbenzene	11.14	105	229601	46.152	ug/l	100
86) p-Isopropyltoluene	11.29	119	201952	46.001	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	99637	44.858	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	100187	44.189	ug/l	98
89) n-Butylbenzene	11.70	91	194835	45.828	ug/l	99
90) Hexachloroethane	11.95	117	35361	45.537	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	91681	46.007	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.48	75	8612	53.365	ug/l	98

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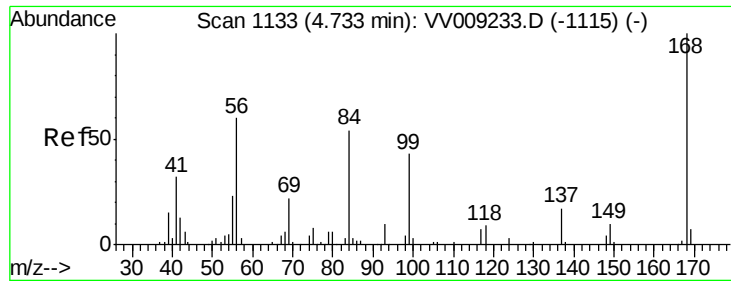
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	63690	45.606	ug/l	99
94) Hexachlorobutadiene	13.50	225	36034	45.139	ug/l	99
95) Naphthalene	13.55	128	140440	50.201	ug/l	98
96) 1,2,3-Trichlorobenzene	13.80	180	57689	46.832	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion:168 Resp: 78850

Ion Ratio Lower Upper

168 100

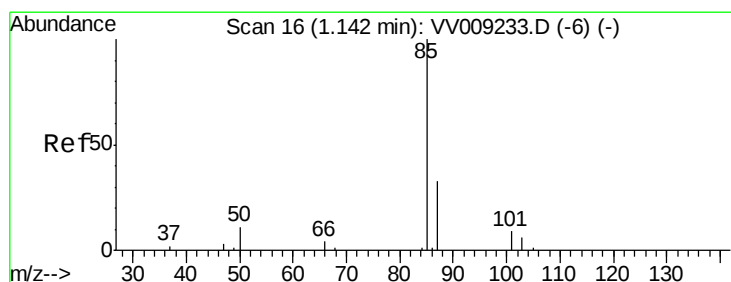
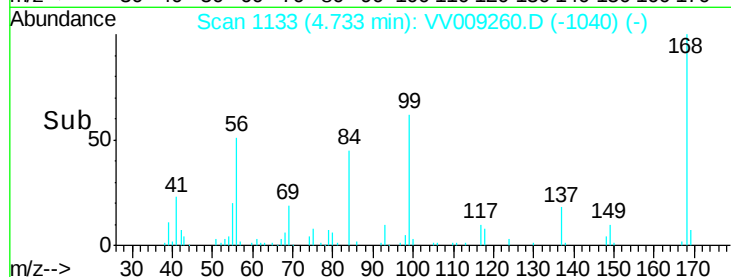
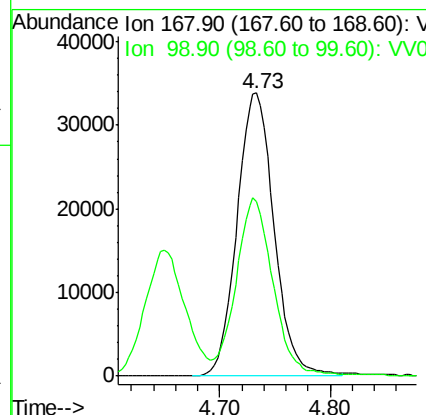
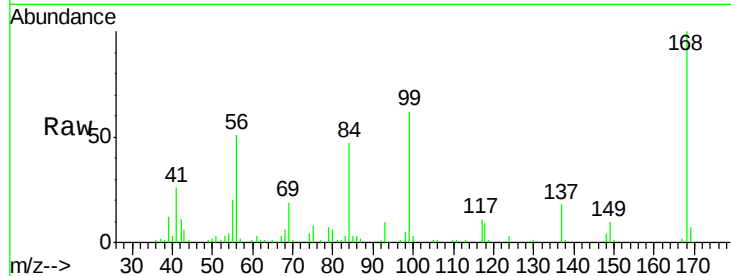
99 61.0 50.9 76.3

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#2

Dichlorodifluoromethane

Concen: 49.435 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009260.D

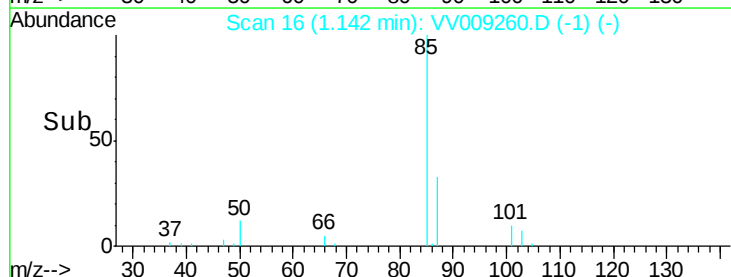
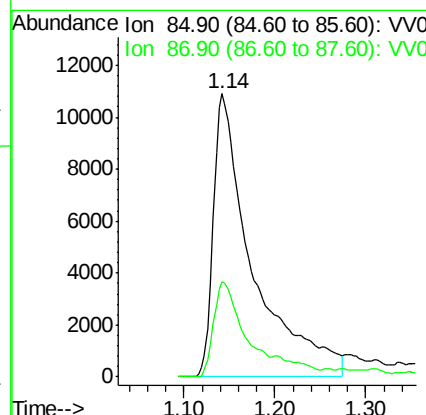
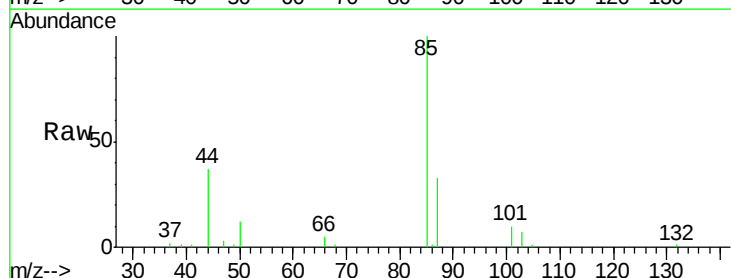
Acq: 24 Jan 2019 15:11

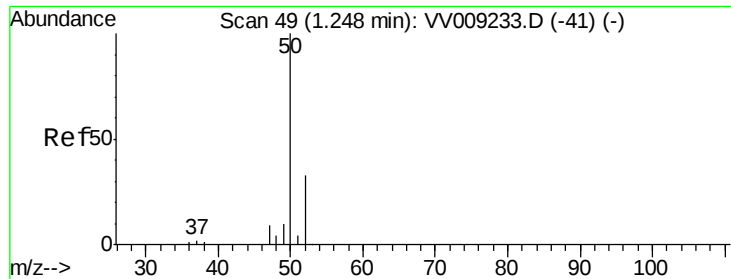
Tgt Ion: 85 Resp: 32779

Ion Ratio Lower Upper

85 100

87 33.5 16.6 49.7





#3

Chloromethane

Concen: 46.944 ug/l

RT: 1.25 min Scan# 51

Delta R.T. 0.01 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion: 50 Resp: 42053

Ion Ratio Lower Upper

50 100

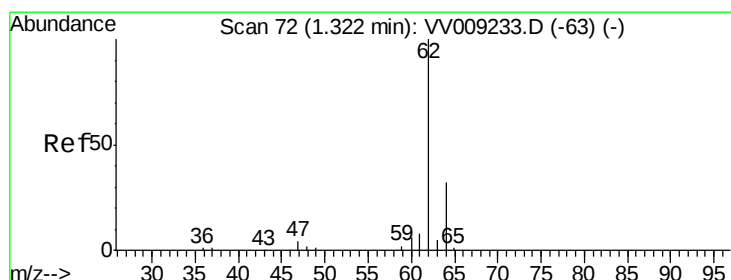
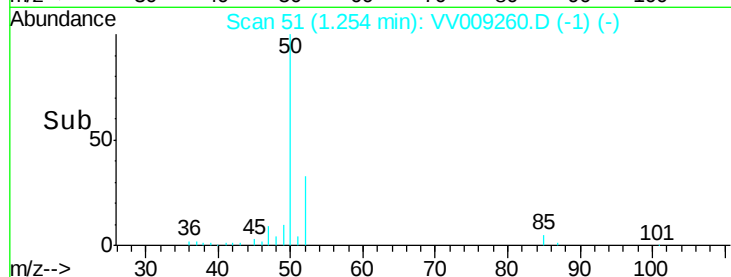
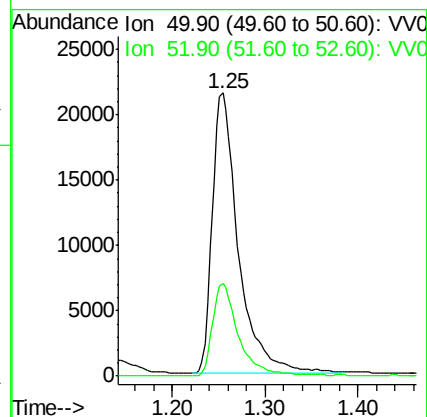
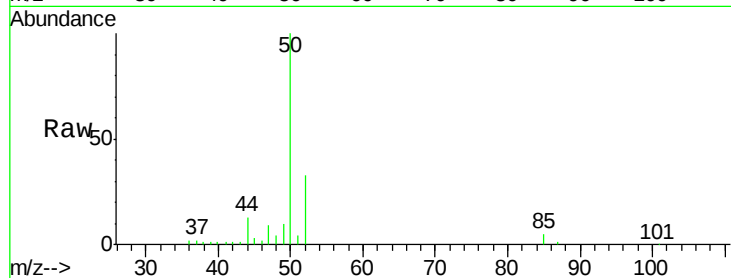
52 33.1 26.3 39.5

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#4

Vinyl Chloride

Concen: 47.536 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VV009260.D

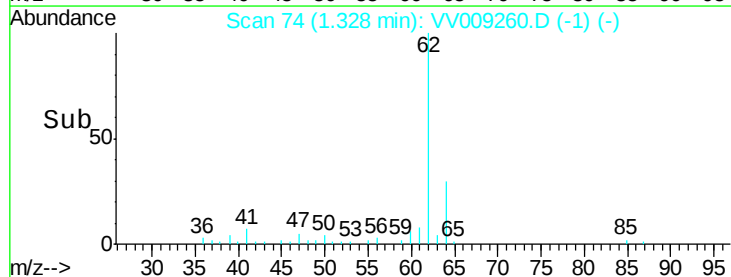
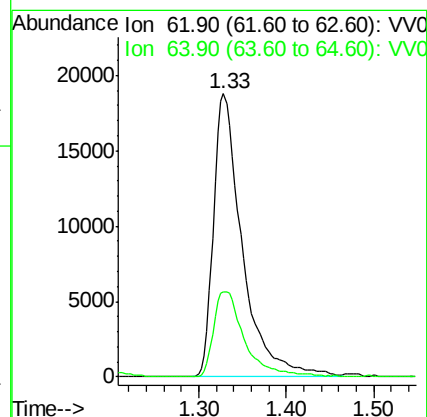
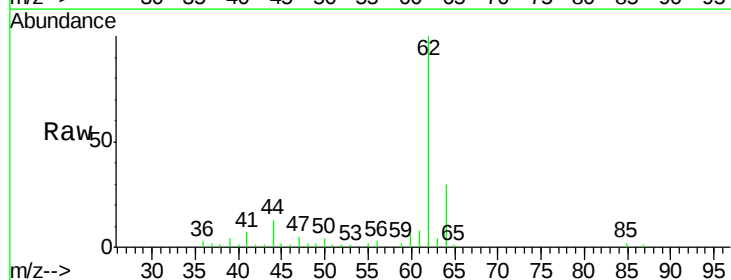
Acq: 24 Jan 2019 15:11

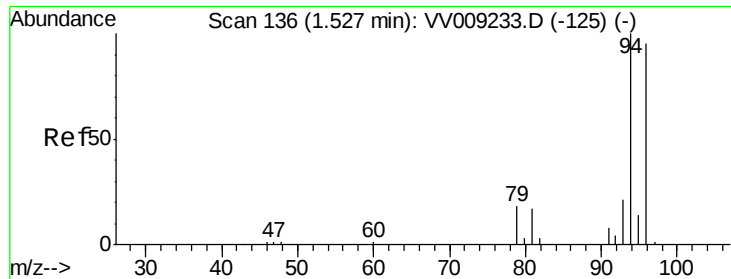
Tgt Ion: 62 Resp: 43139

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0





#5

Bromomethane

Concen: 46.116 ug/l

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

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ClientSampleId :

ICVVV012419

Tot Ion: 94 Resp: 23679

Ion Ratio Lower Upper

94 100

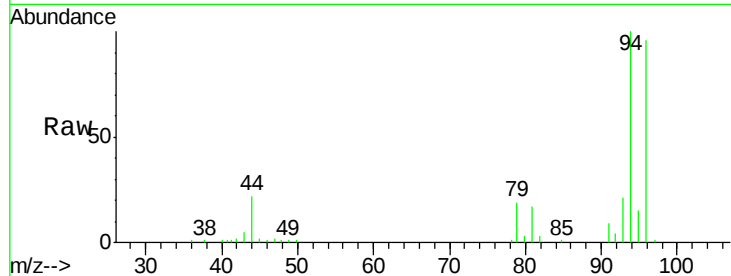
96 95.8 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VV0

Ion 95.90 (95.60 to 96.60): VV0

15000

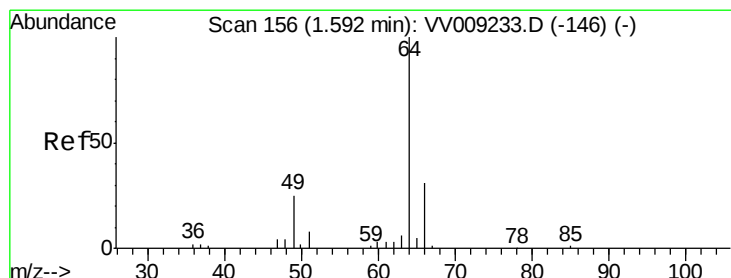
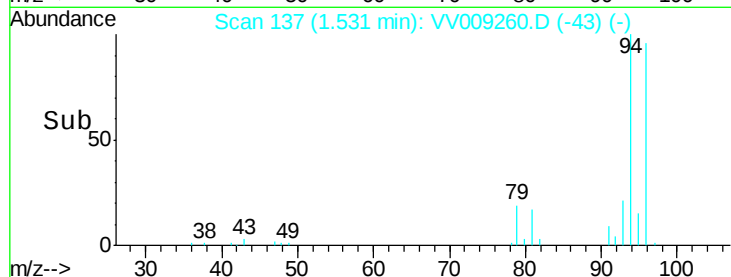
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5000

0

Time-->

1.45 1.50 1.55 1.60 1.65



#6

Chloroethane

Concen: 46.848 ug/l

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009260.D

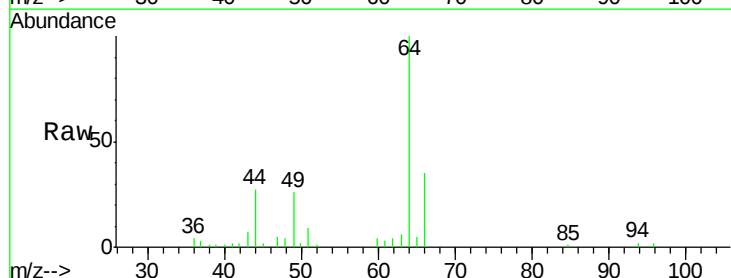
Acq: 24 Jan 2019 15:11

Tgt Ion: 64 Resp: 22298

Ion Ratio Lower Upper

64 100

66 35.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0

Ion 65.90 (65.60 to 66.60): VV0

12000

10000

8000

6000

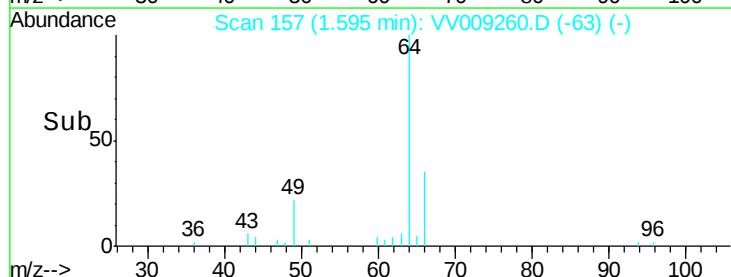
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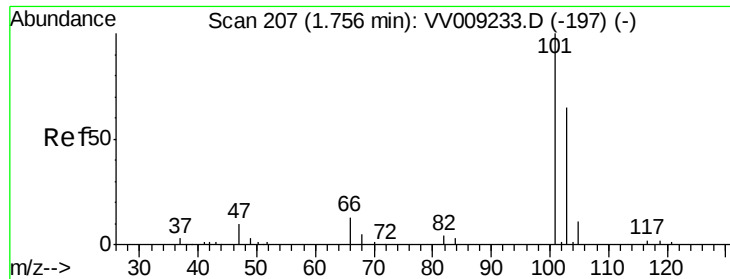
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Time-->

1.50 1.55 1.60 1.65 1.70





#7

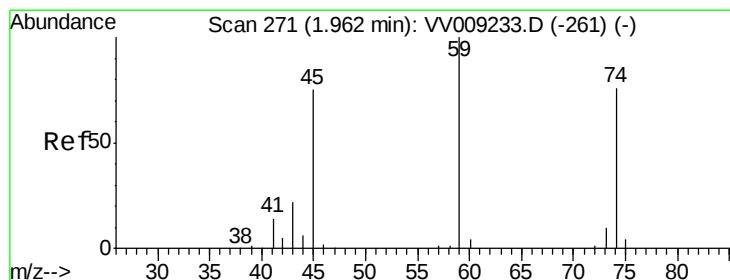
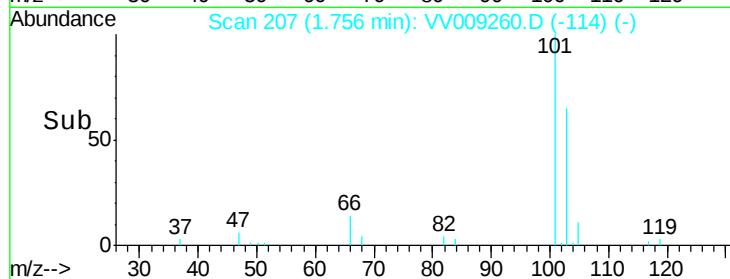
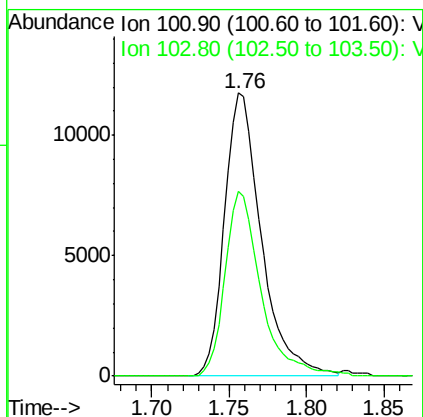
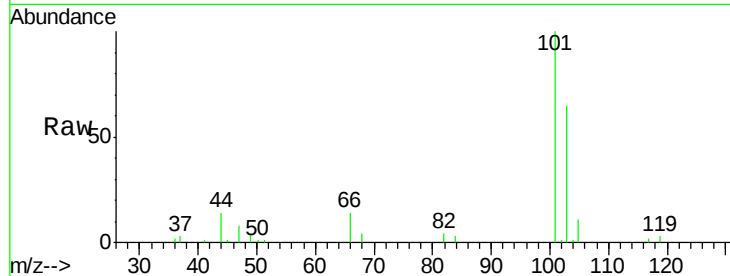
Trichlorofluoromethane
 Concen: 45.401 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

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 ICVVV012419

Tot Ion:101 Resp: 19464
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4

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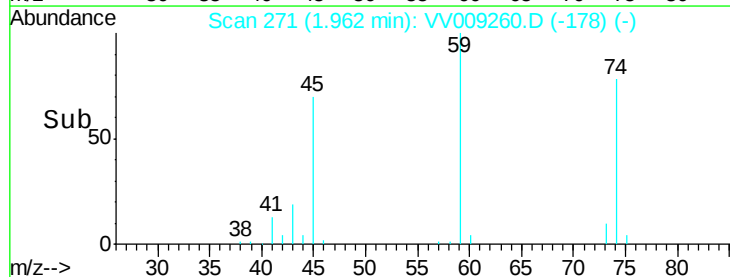
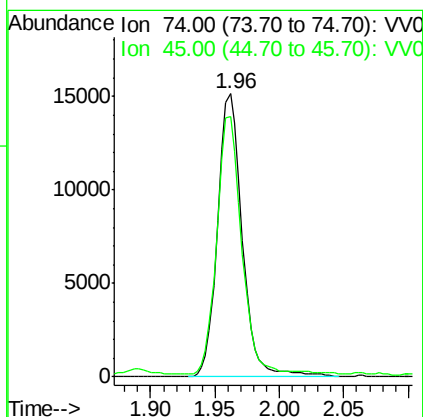
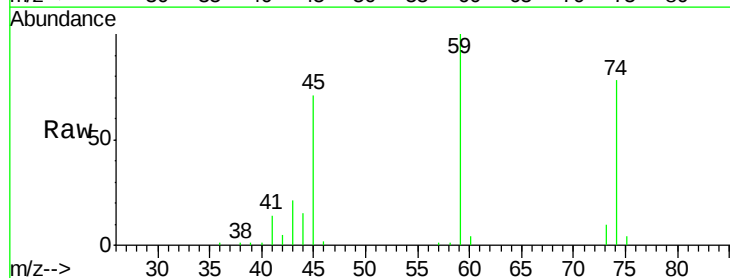
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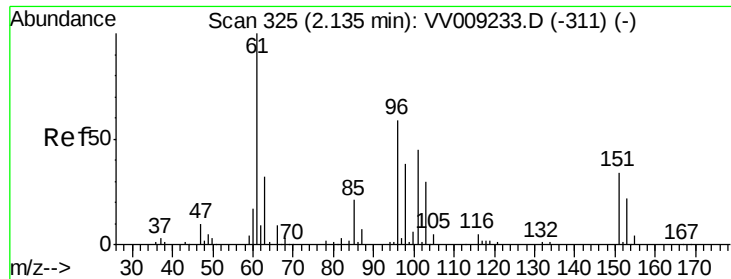


#8

Diethyl Ether
 Concen: 47.266 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion: 74 Resp: 20176
 Ion Ratio Lower Upper
 74 100
 45 90.9 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.344 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

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MSVOA_V

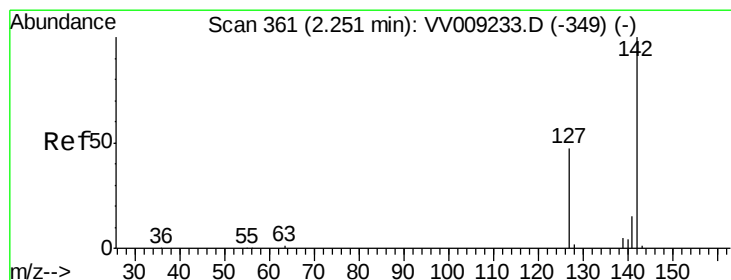
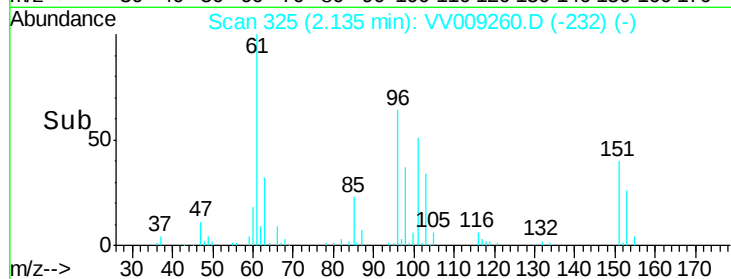
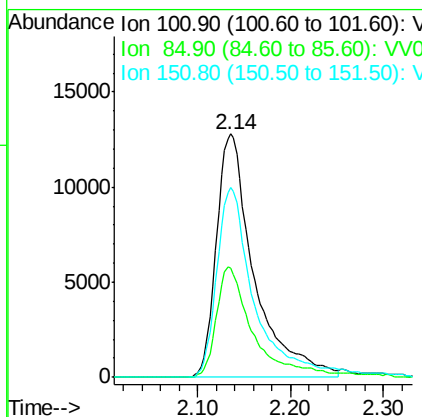
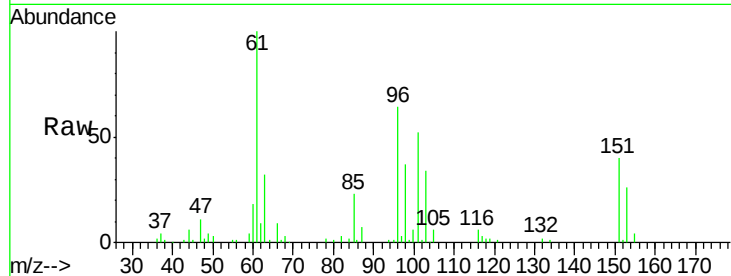
ClientSampleId :

ICVVV012419

Tot Ion:	101	Resp:	36135
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.3	52.9
151	78.6	60.1	90.1

Manual Integrations
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#10

Methyl Iodide

Concen: 46.825 ug/l

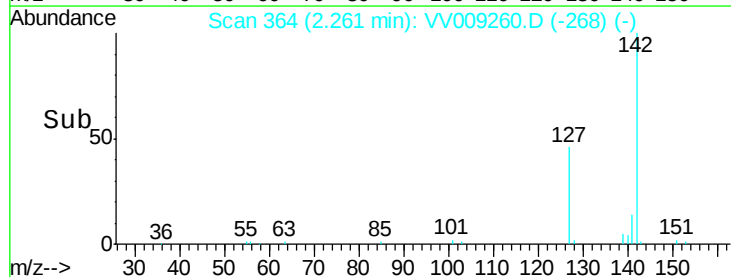
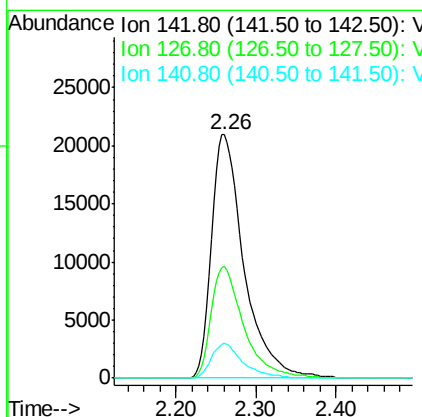
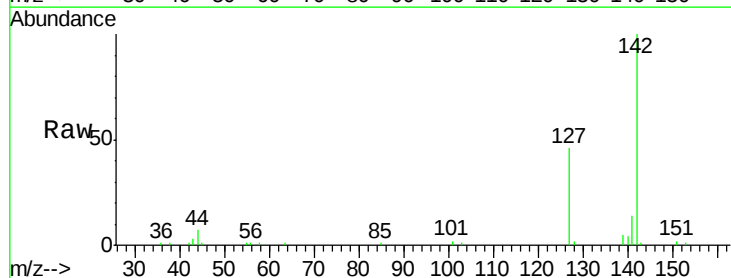
RT: 2.26 min Scan# 364

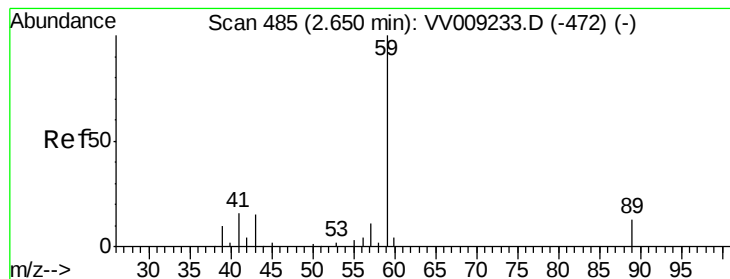
Delta R.T. 0.01 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	142	Resp:	58878
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.9	56.9
141	13.7	11.7	17.5





#11

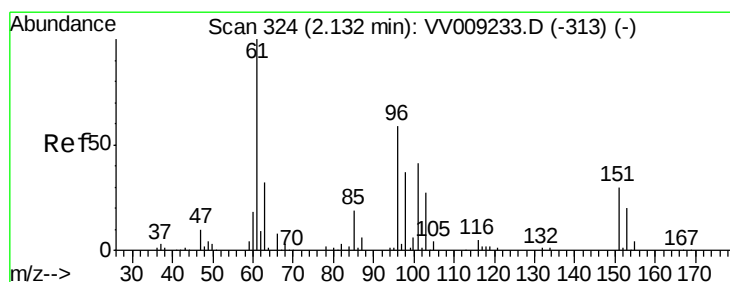
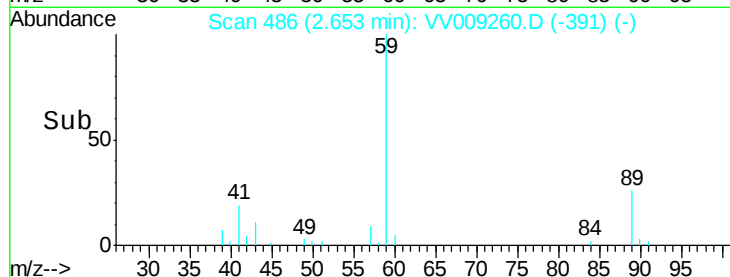
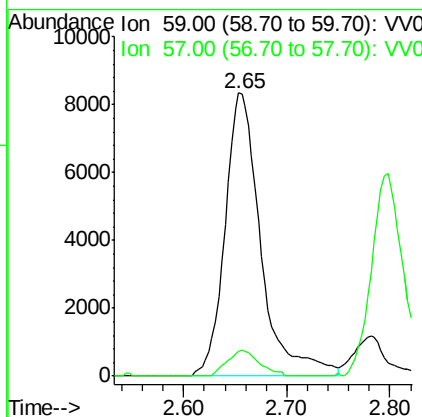
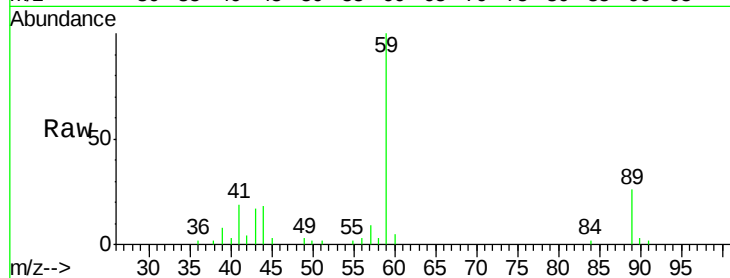
Tert butyl alcohol
 Concen: 267.838 ug/l
 RT: 2.65 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012419

Tot Ion	59	Resp	20233
Ion Ratio	100	Lower	Upper
57	8.2	8.4	12.6#

Manual Integrations
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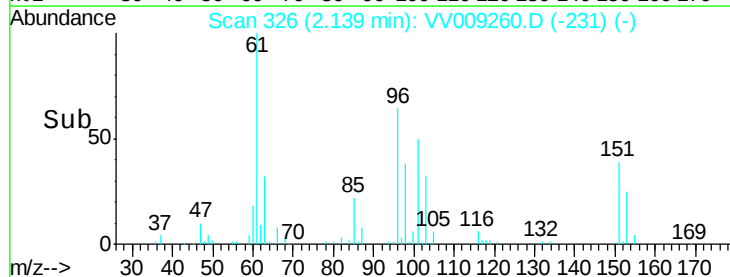
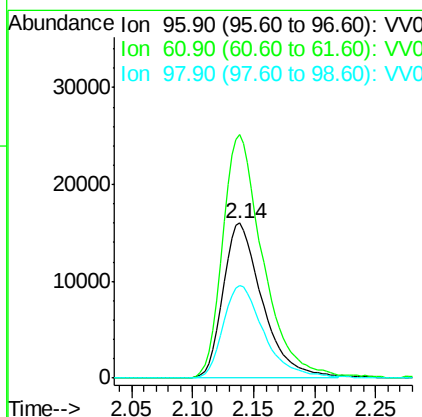
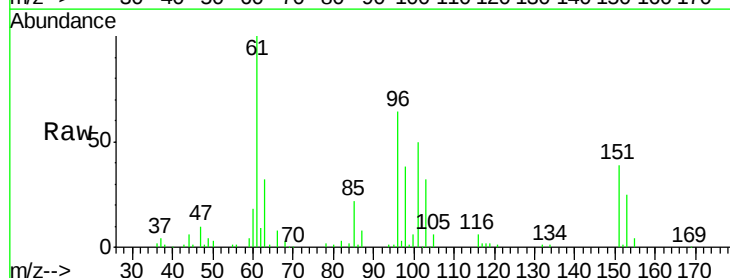
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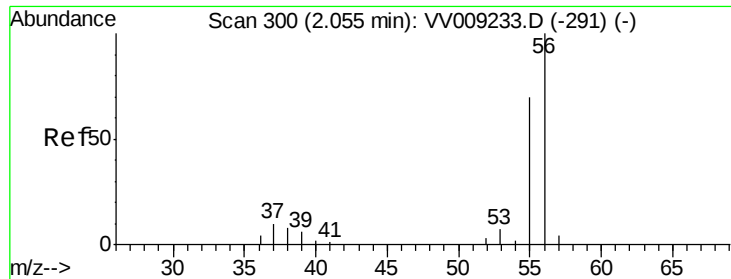


#12

1,1-Dichloroethene
 Concen: 45.687 ug/l
 RT: 2.14 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	96	Resp	36233
Ion Ratio	100	Lower	Upper
61	157.3	136.6	205.0
98	59.9	50.6	75.8





#13

Acrolein

Concen: 260.720 ug/l

RT: 2.06 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion: 56 Resp: 11963

Ion Ratio Lower Upper

56 100

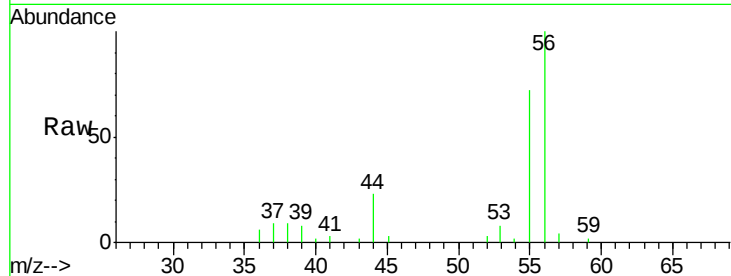
55 69.2 54.0 81.0

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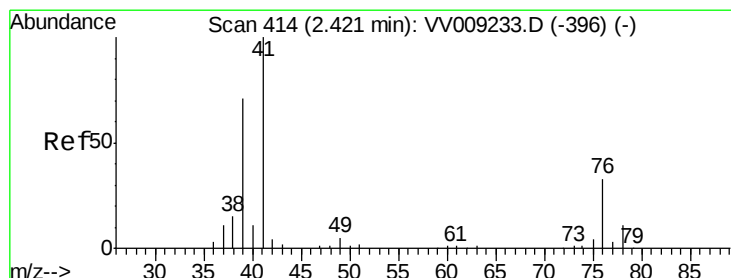
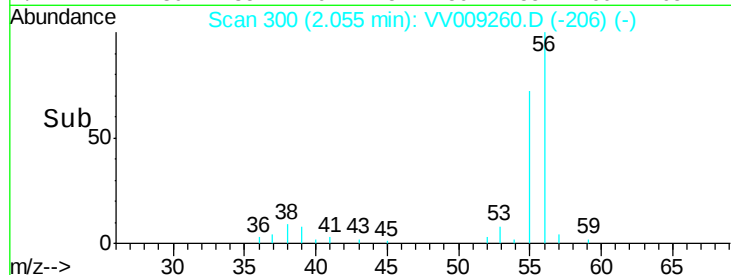


Abundance Ion 56.00 (55.70 to 56.70): VV009260.D (-206) (-)

Ion 55.00 (54.70 to 55.70): VV009260.D (-206) (-)

2.06

Time-->



#14

Allyl chloride

Concen: 46.672 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

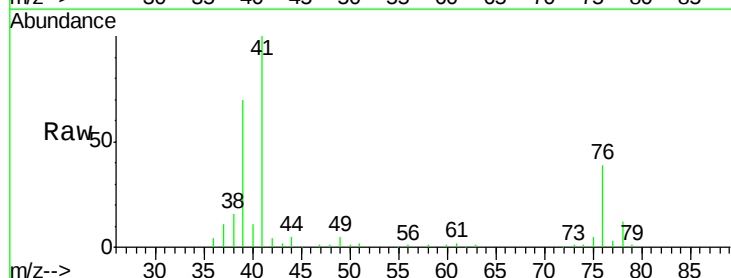
Tgt Ion: 41 Resp: 55288

Ion Ratio Lower Upper

41 100

39 66.8 55.1 82.7

76 38.3 26.7 40.1



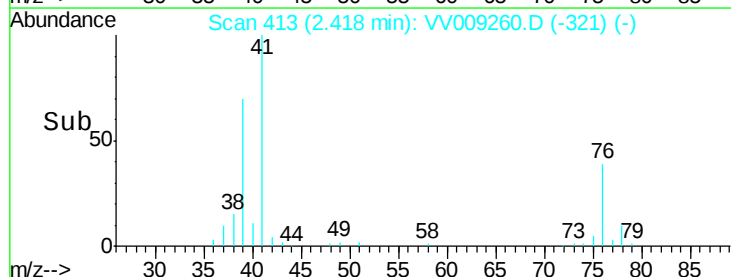
Abundance Ion 41.00 (40.70 to 41.70): VV009260.D (-321) (-)

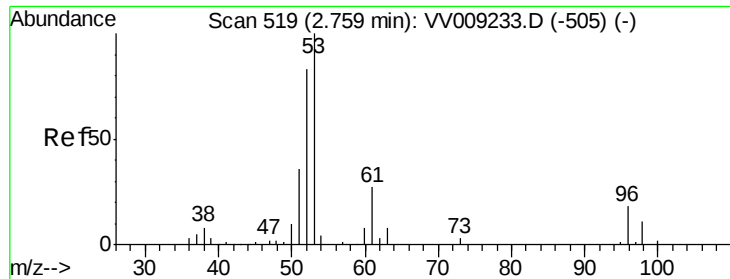
Ion 39.00 (38.70 to 39.70): VV009260.D (-321) (-)

Ion 75.90 (75.60 to 76.60): VV009260.D (-321) (-)

2.42

Time-->





#15

Acrylonitrile

Concen: 255.368 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

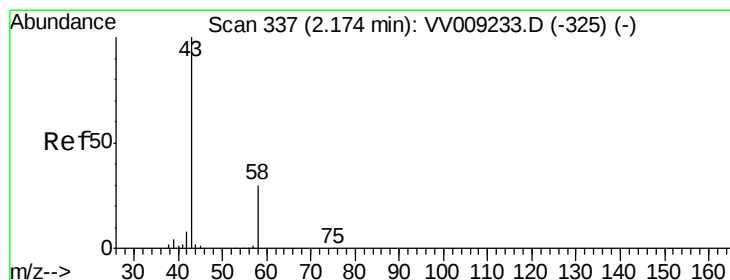
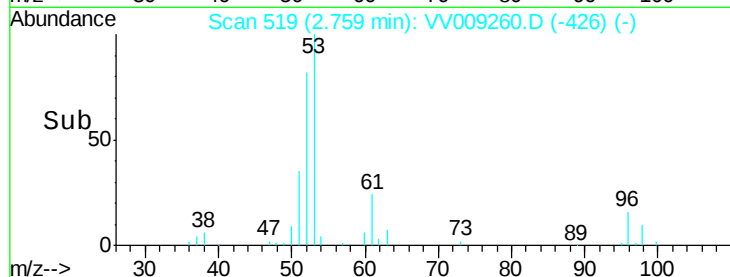
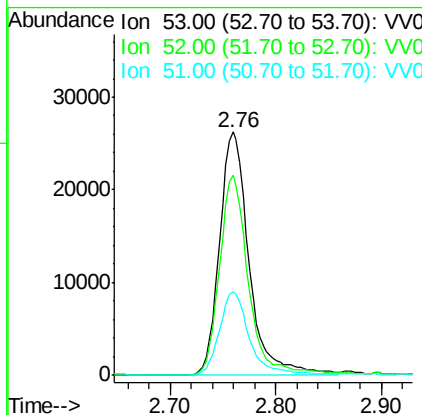
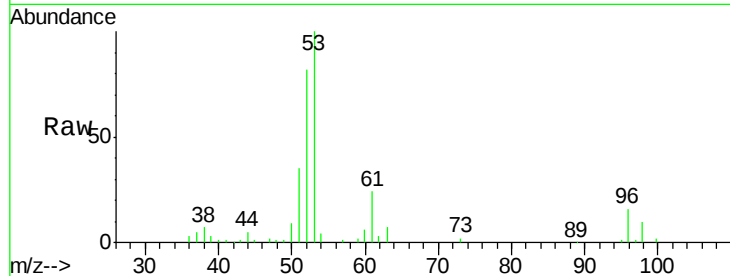
ClientSampleId :

ICVV012419

Tot Ion:	53	Resp:	51050
Ion	Ratio	Lower	Upper
53	100		
52	78.3	65.3	97.9
51	34.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 242.709 ug/l

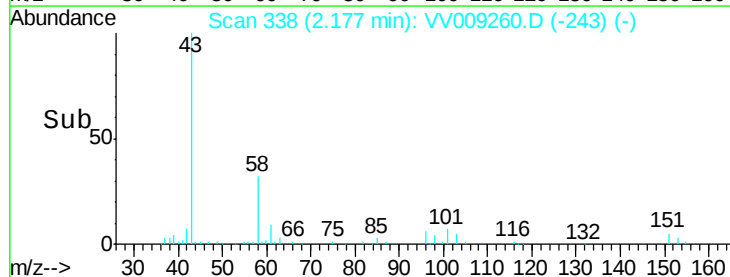
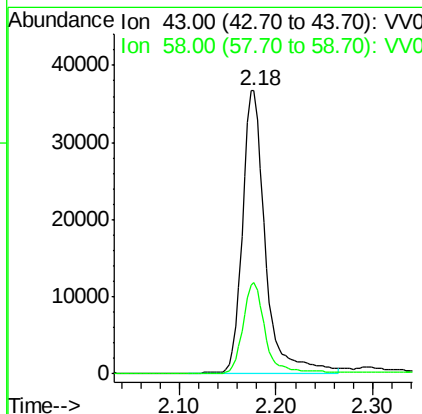
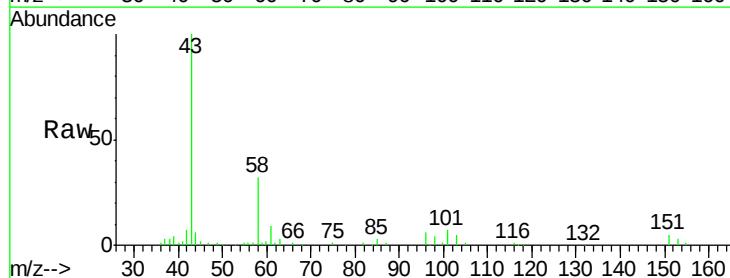
RT: 2.18 min Scan# 338

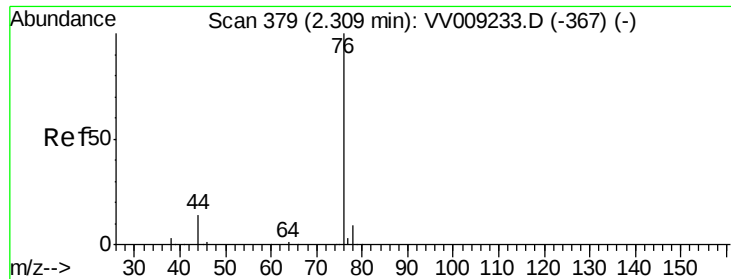
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	43	Resp:	60992
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6





#17

Carbon Disulfide

Concen: 47.070 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion: 76 Resp: 104803

Ion Ratio Lower Upper

76 100

78 9.5

7.3

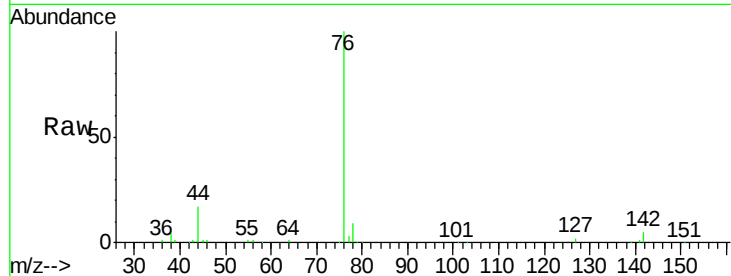
10.9

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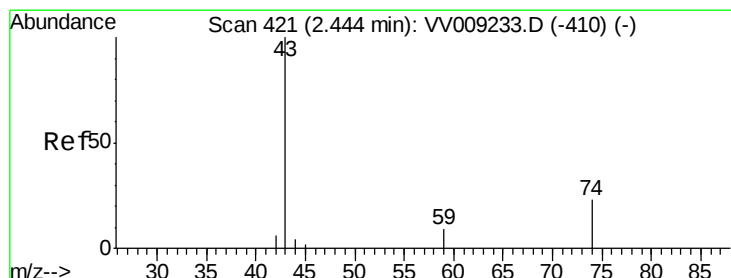
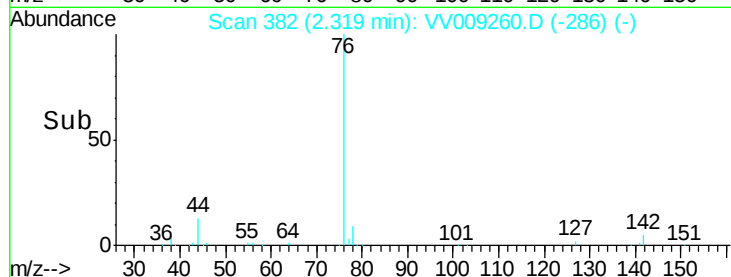
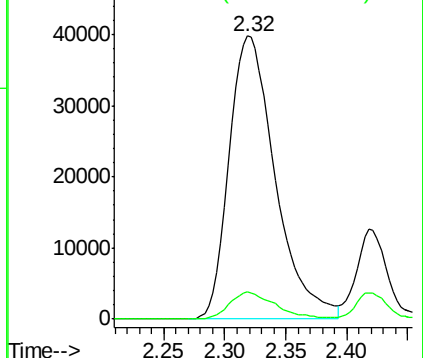
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Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#18

Methyl Acetate

Concen: 48.172 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion: 43 Resp: 31716

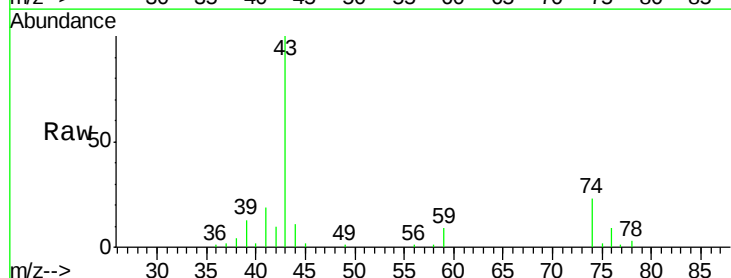
Ion Ratio Lower Upper

43 100

74 23.7

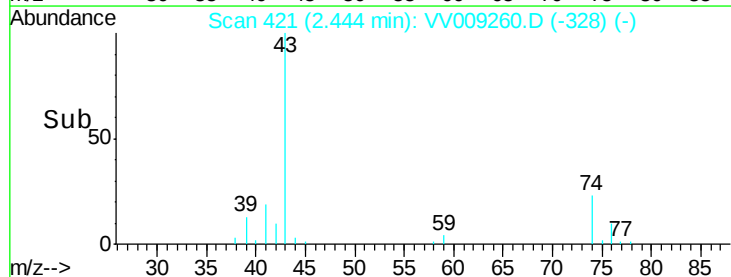
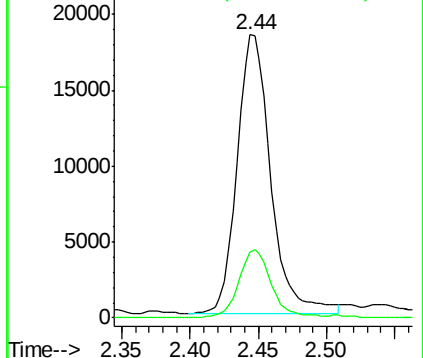
19.7

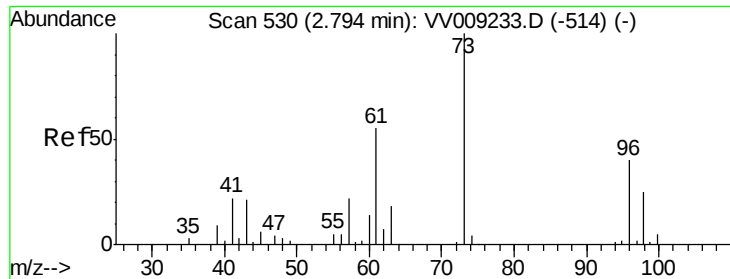
29.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





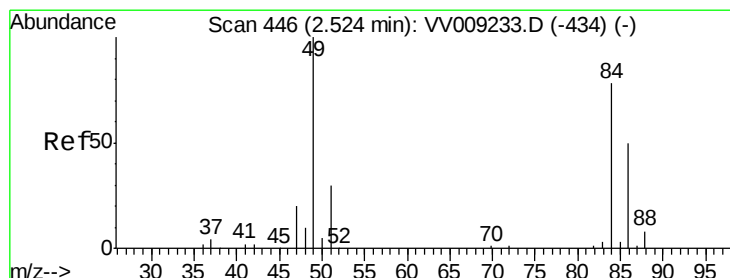
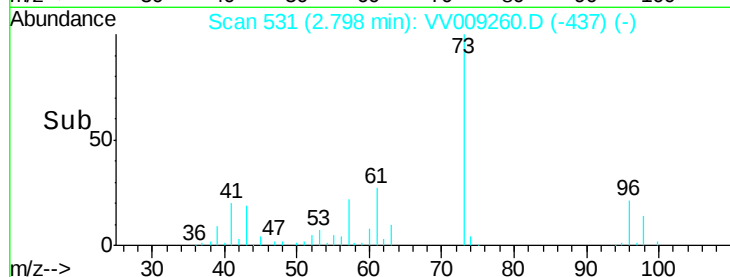
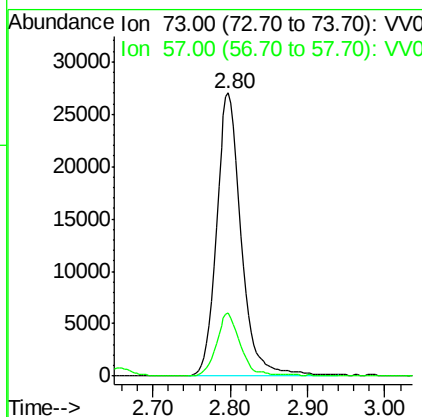
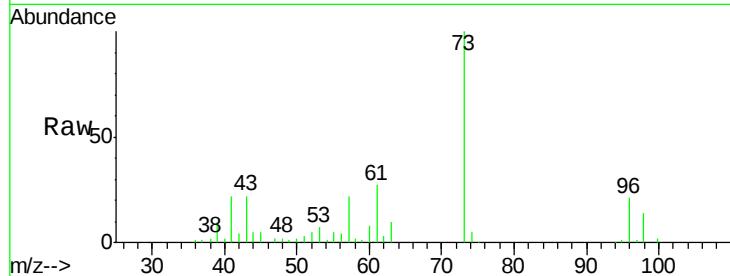
#19
Methvl tert-butvl Ether
Concen: 48.724 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012419

Tot Ion: 73 Resp: 60488
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

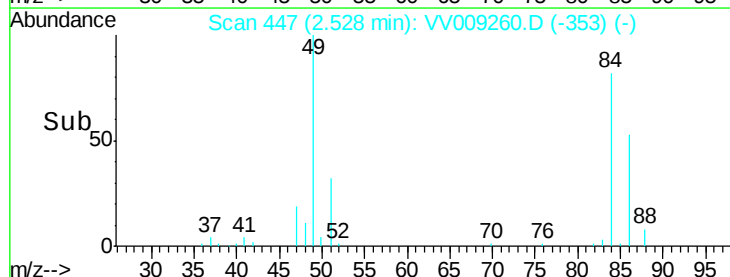
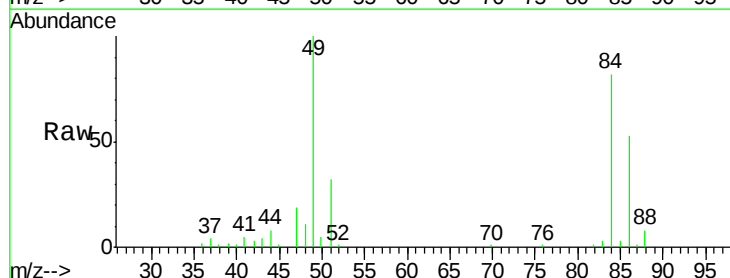
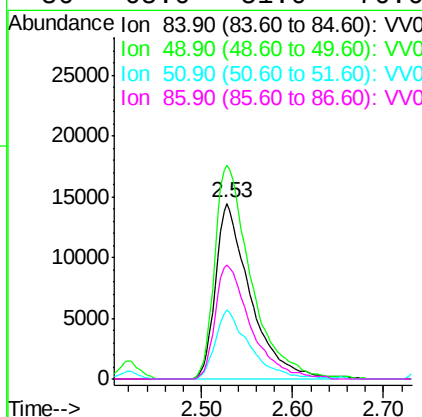
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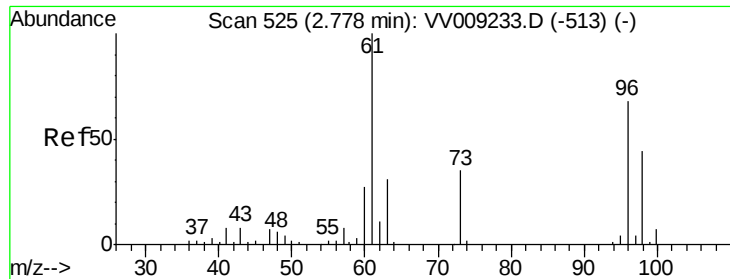
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#20
Methylene Chloride
Concen: 46.678 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion: 84 Resp: 38541
Ion Ratio Lower Upper
84 100
49 121.8 102.0 153.0
51 39.1 30.9 46.3
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.514 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion: 96 Resp: 37378

Ion Ratio Lower Upper

96 100

61 130.9 117.7 176.5

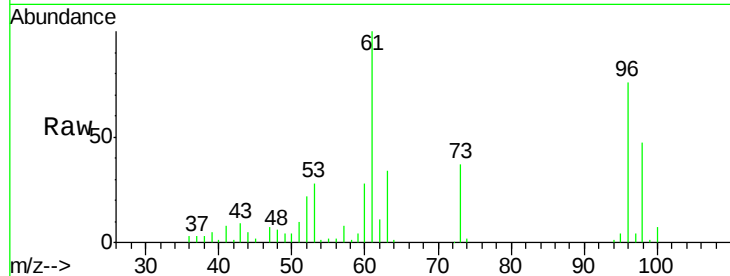
98 61.4 51.5 77.3

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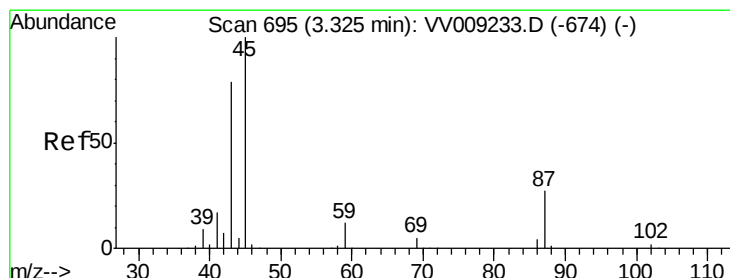
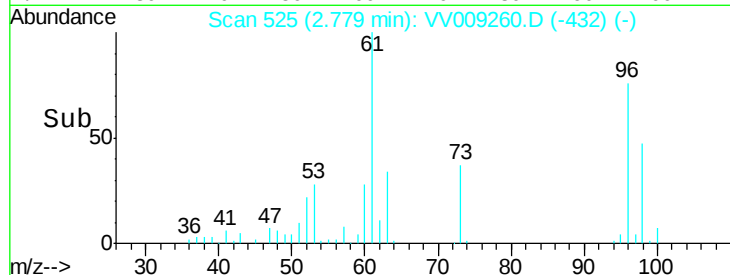
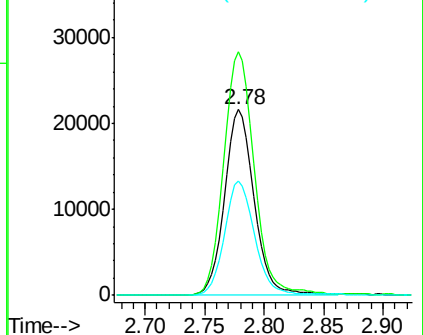
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Abundance Ion 95.90 (95.60 to 96.60): VV009260.D (-432) (-)

Ion 60.90 (60.60 to 61.60): VV009260.D (-432) (-)

Ion 97.90 (97.60 to 98.60): VV009260.D (-432) (-)



#22

Diisopropyl ether

Concen: 44.475 ug/l

RT: 3.33 min Scan# 695

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion: 45 Resp: 125921

Ion Ratio Lower Upper

45 100

43 92.4 63.0 94.4

87 27.0 21.5 32.3

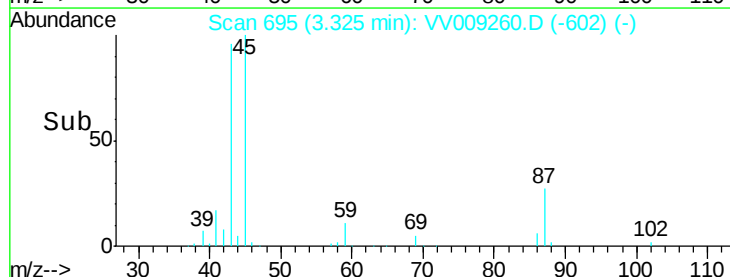
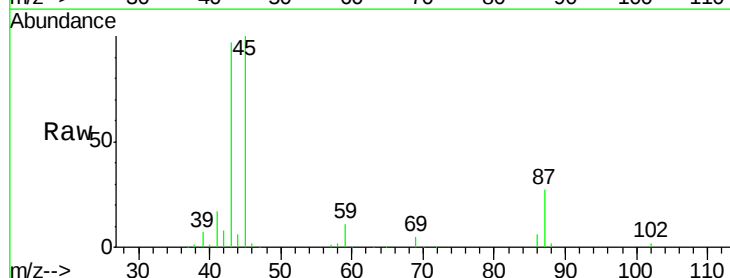
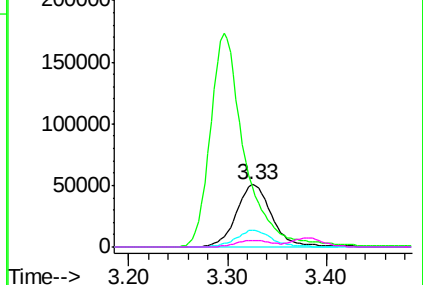
59 11.0 9.3 13.9

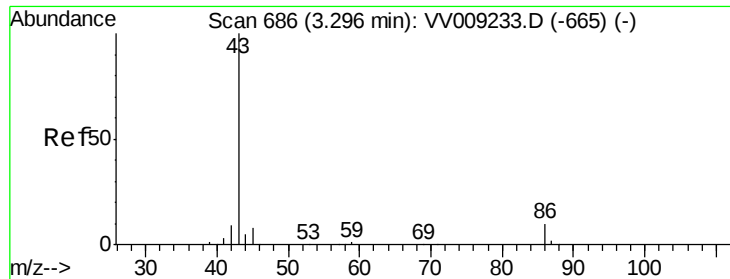
Abundance Ion 45.00 (44.70 to 45.70): VV009260.D (-602) (-)

Ion 43.00 (42.70 to 43.70): VV009260.D (-602) (-)

Ion 87.00 (86.70 to 87.70): VV009260.D (-602) (-)

Ion 59.00 (58.70 to 59.70): VV009260.D (-602) (-)





#23

Vinyl Acetate

Concen: 242.488 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion: 43 Resp: 423257

Ion Ratio Lower Upper

43 100

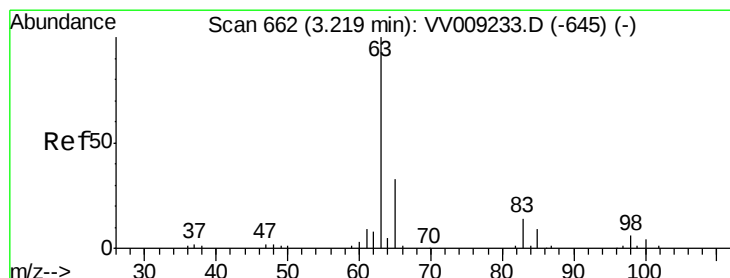
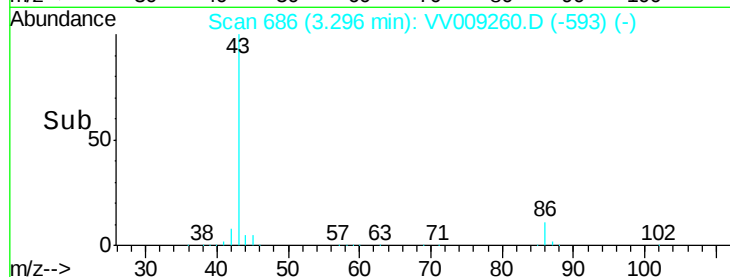
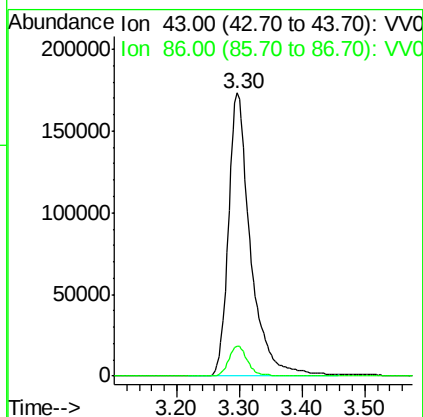
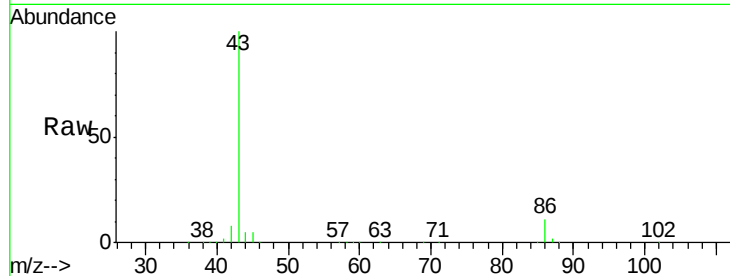
86 10.7 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 42.675 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

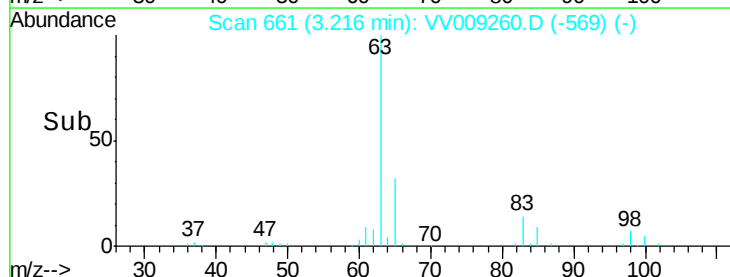
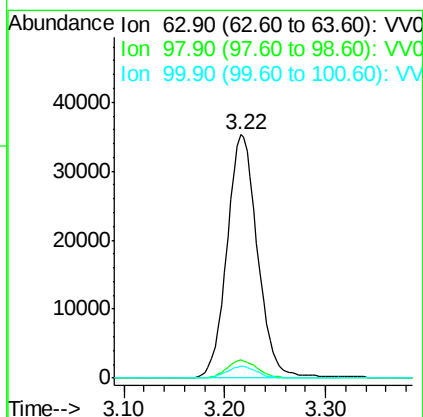
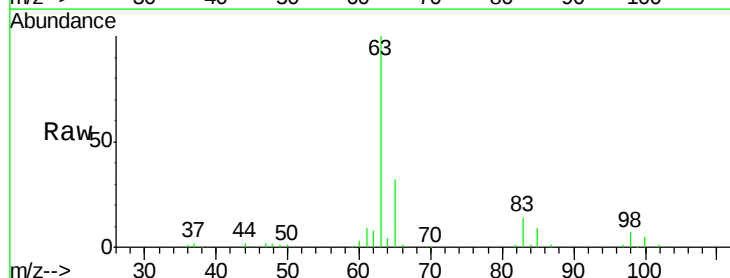
Tgt Ion: 63 Resp: 74620

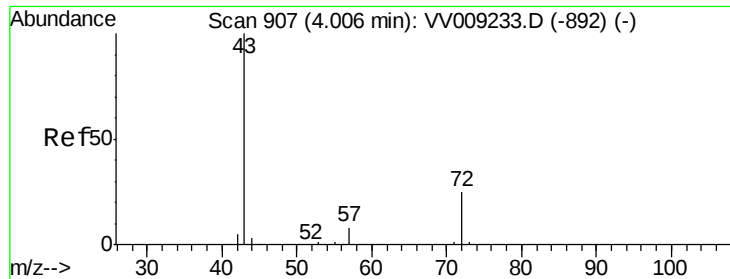
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 243.552 ug/l

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion: 43 Resp: 83930

Ion Ratio Lower Upper

43 100

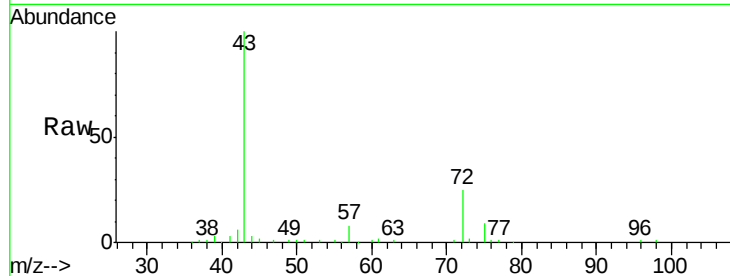
72 25.0 20.2 30.4

Manual Integrations

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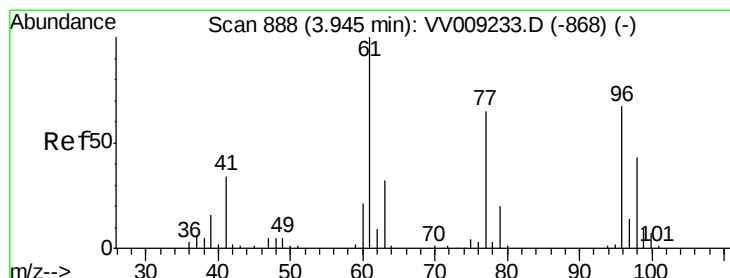
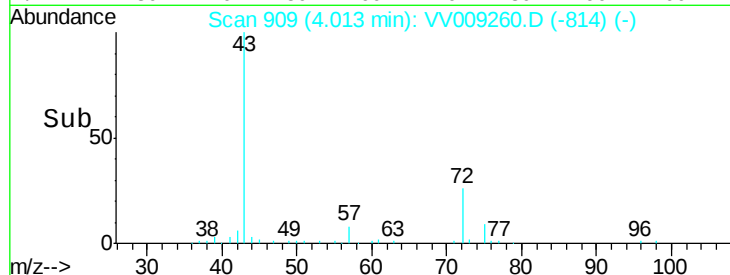
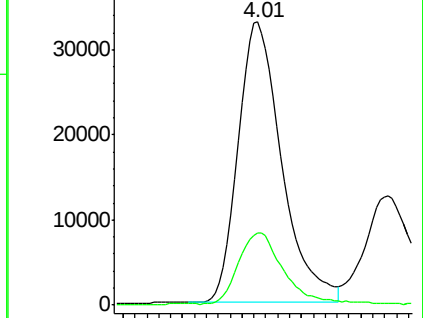
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#26

2,2-Dichloropropane

Concen: 45.555 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009260.D

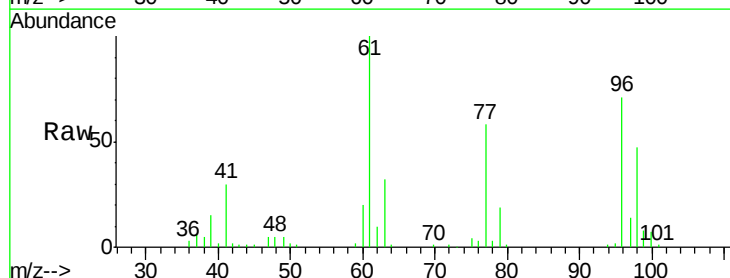
Acq: 24 Jan 2019 15:11

Tgt Ion: 77 Resp: 40601

Ion Ratio Lower Upper

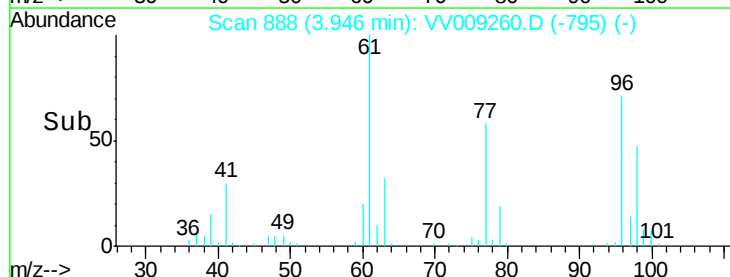
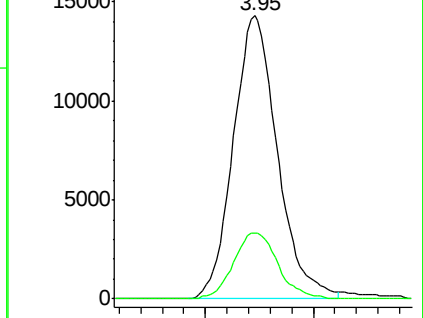
77 100

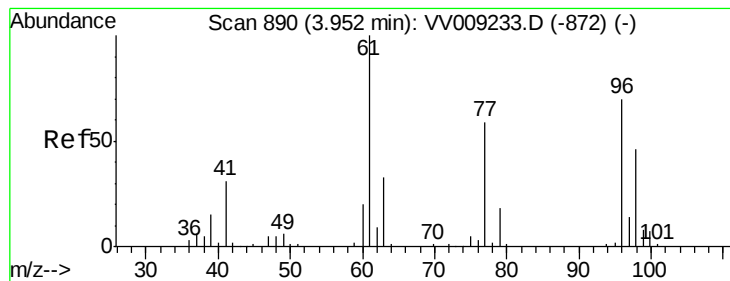
97 23.4 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0





#27

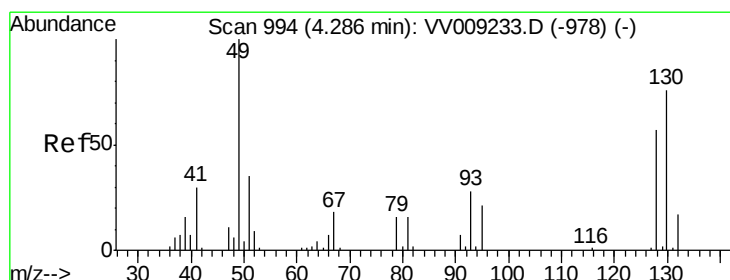
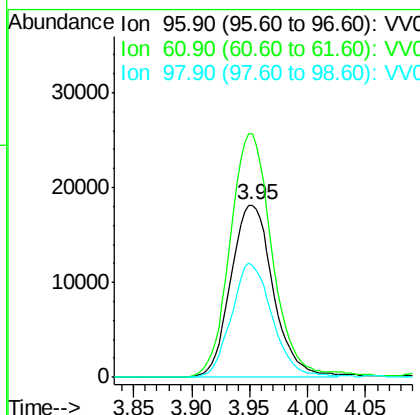
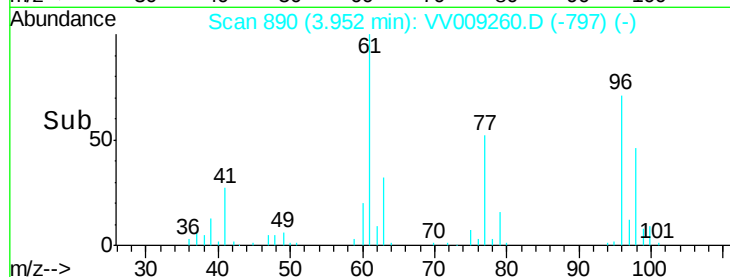
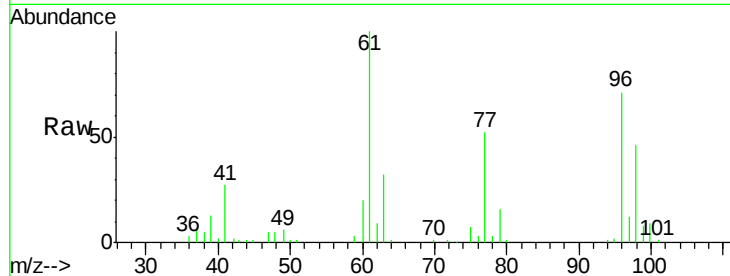
cis-1,2-Dichloroethene
Concen: 44.355 ug/l
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012419

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.3	0.0	296.4	
98	64.0	0.0	130.0	

Manual Integrations
APPROVED

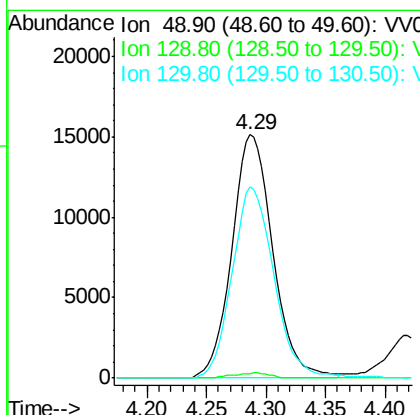
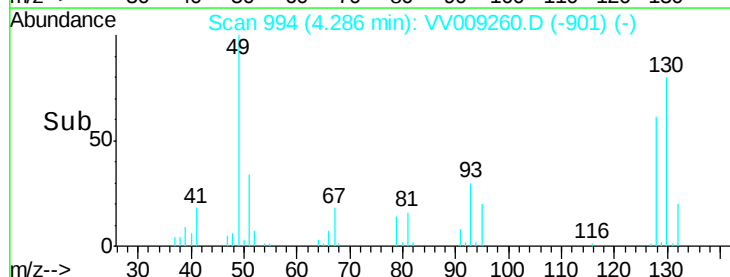
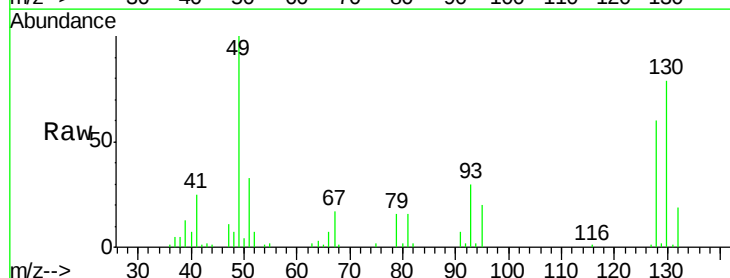
MMDadoda
1/25/2019 10:01:37 AM

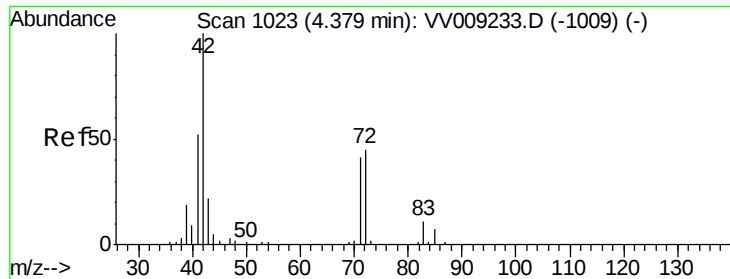


#28

Bromochloromethane
Concen: 51.407 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	80.4	60.2	90.4	





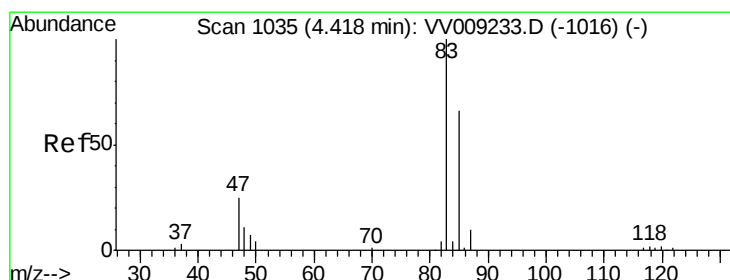
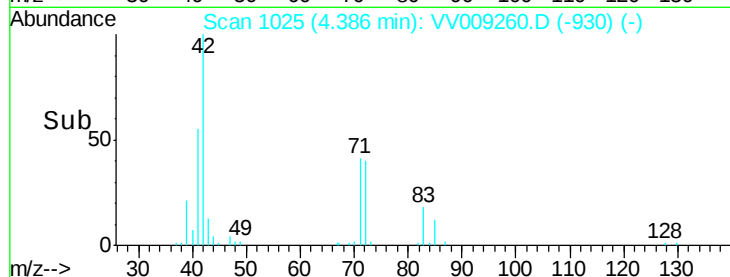
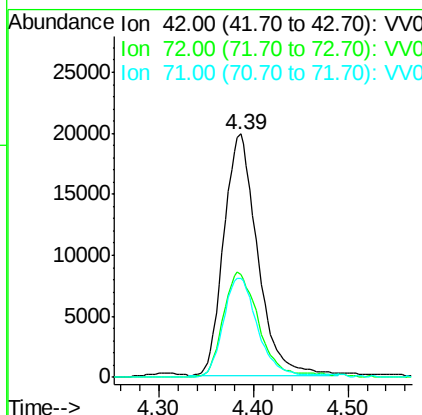
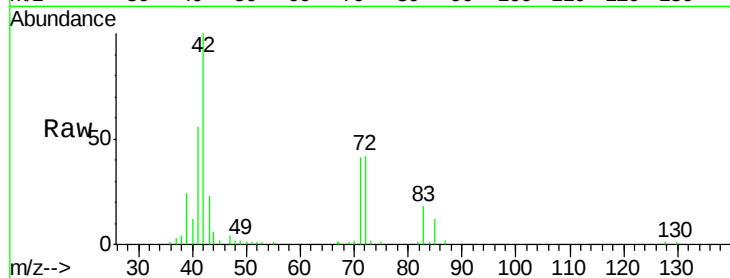
#29
Tetrahydrofuran
Concen: 251.210 ug/l
RT: 4.39 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.7	56.5
71	41.9	31.5	47.3

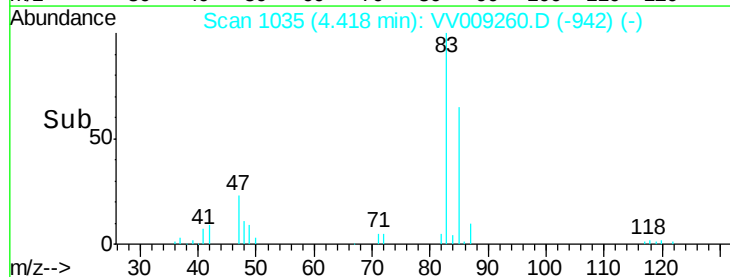
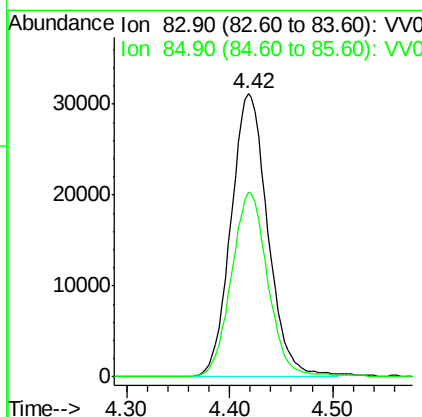
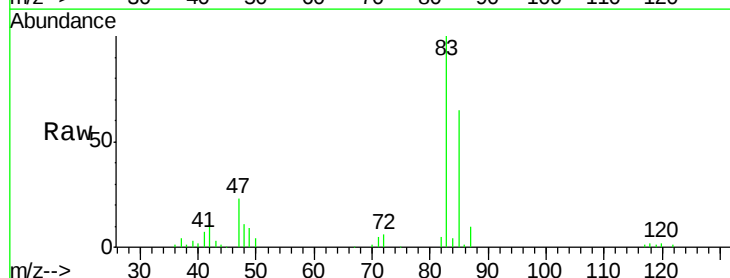
Manual Integrations
APPROVED

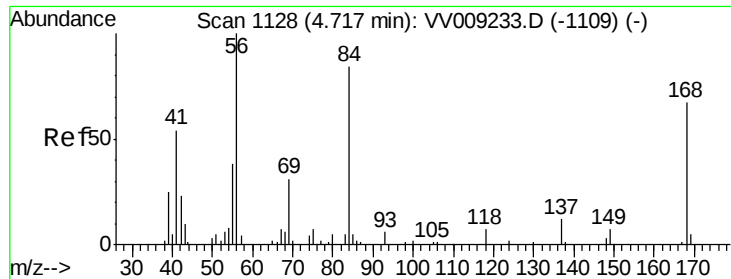
MMDadoda
1/25/2019 10:01:37 AM



#30
Chloroform
Concen: 44.095 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	79.0





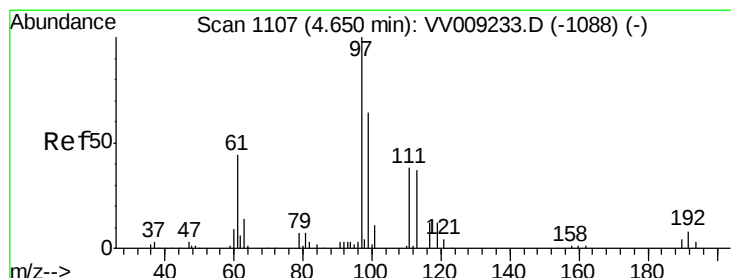
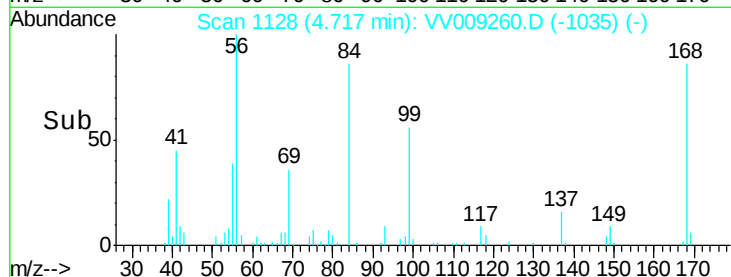
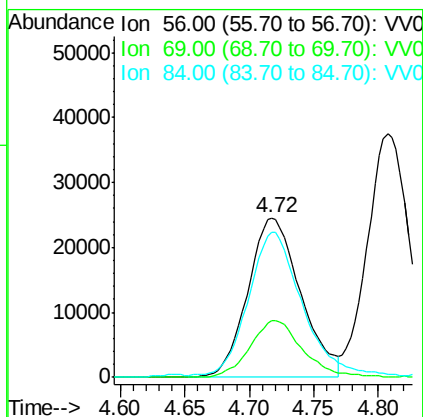
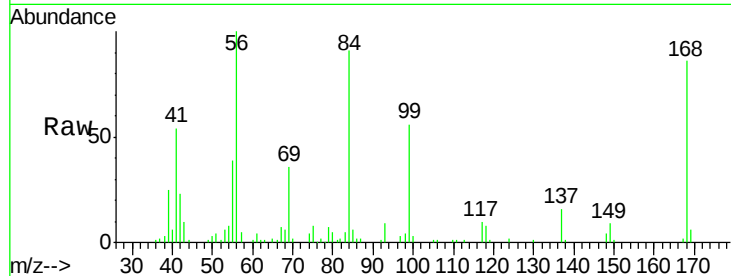
#31
Cyclohexane
Concen: 43.333 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.1	37.7
84	89.6	67.3	100.9

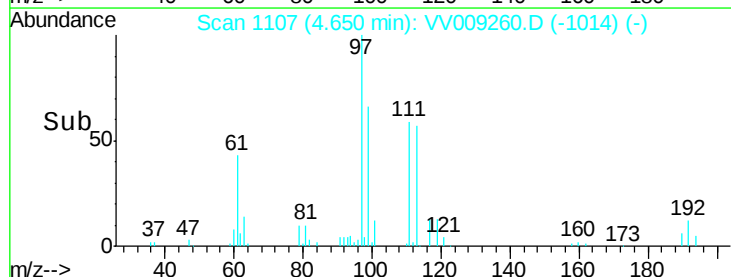
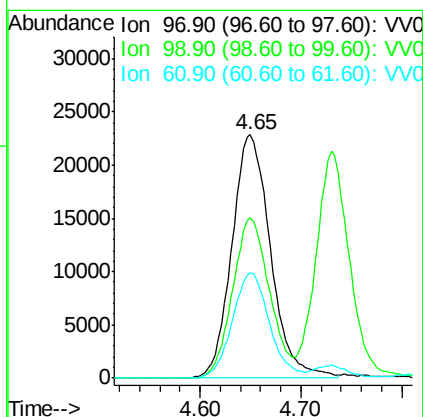
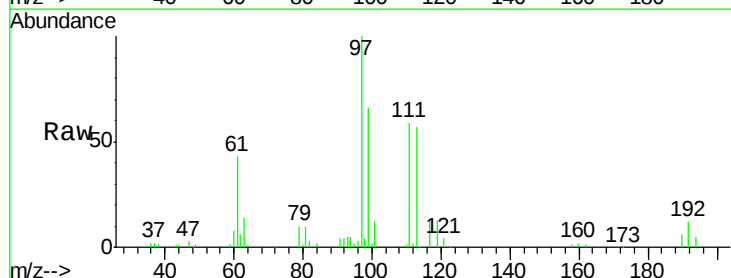
Manual Integrations
APPROVED

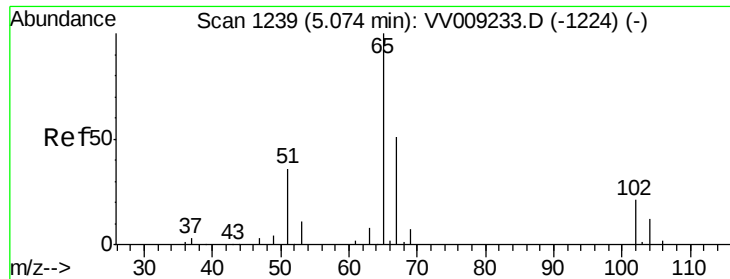
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 44.532 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.2	75.2
61	41.6	34.7	52.1





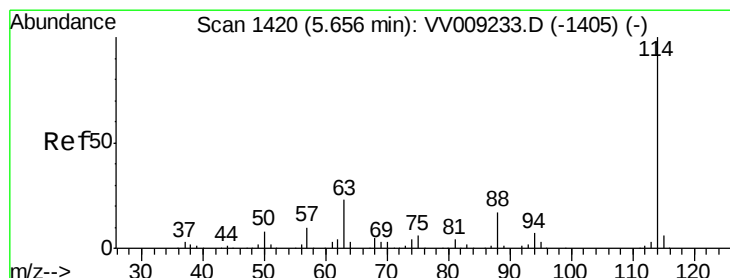
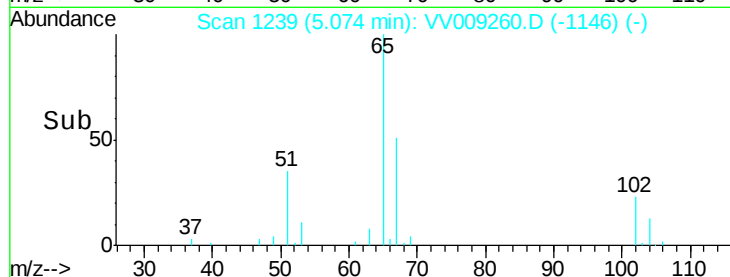
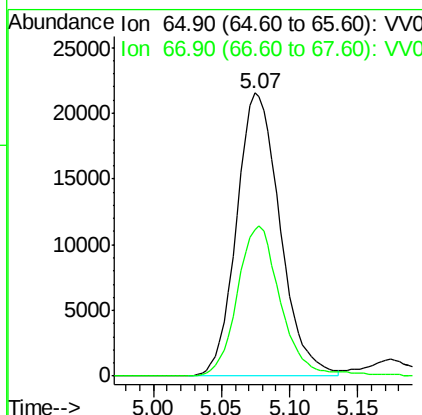
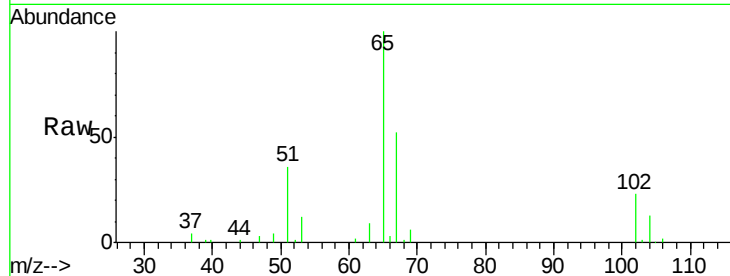
#33
 1,2-Dichloroethane-d4
 Concen: 49.721 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVVV012419

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.8

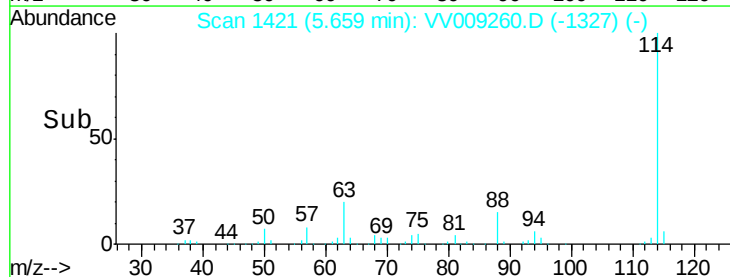
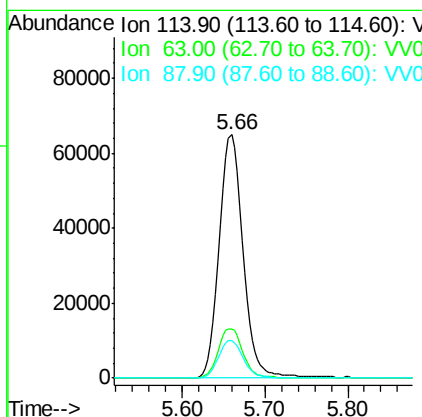
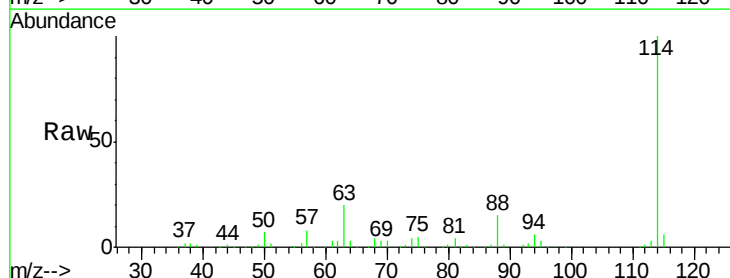
Manual Integrations
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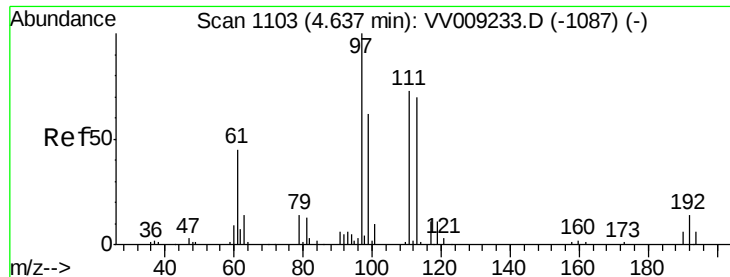
MMDadoda
 1/25/2019 10:01:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	45.2
88	15.4	0.0	33.4





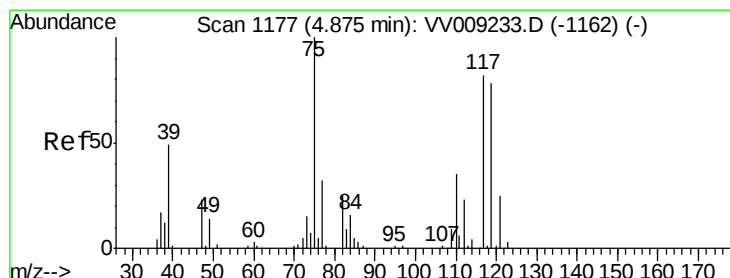
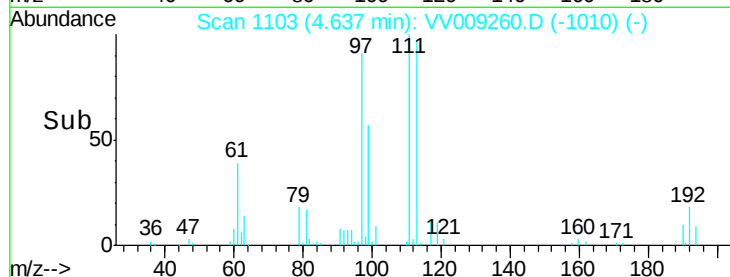
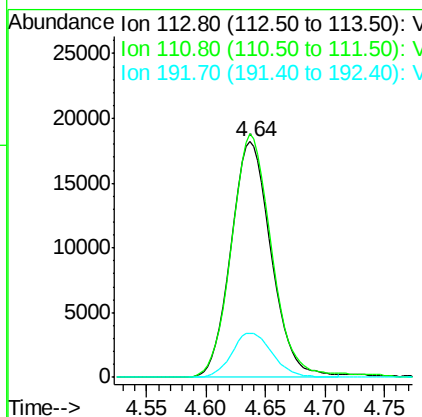
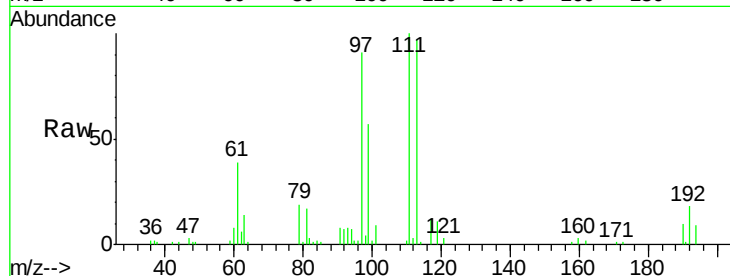
#35
 Dibromofluoromethane
 Concen: 49.613 ug/l
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012419

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	19.0	15.0	22.6

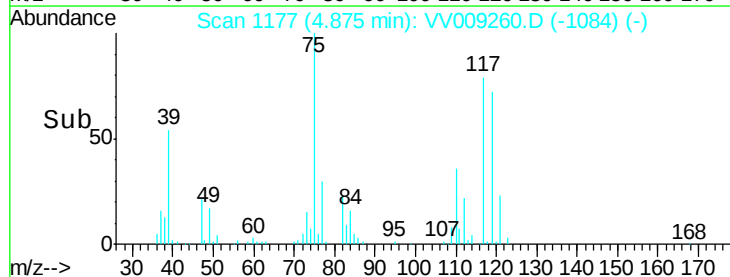
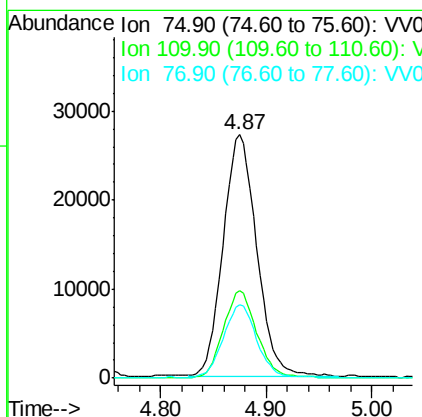
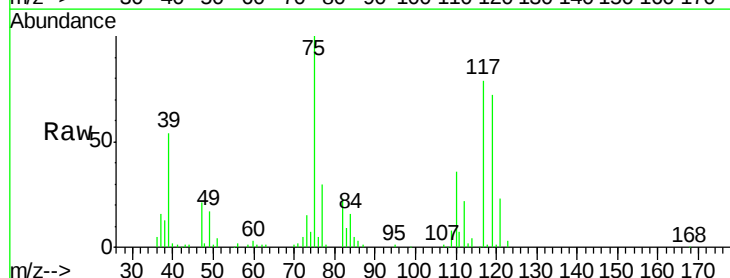
Manual Integrations
 APPROVED

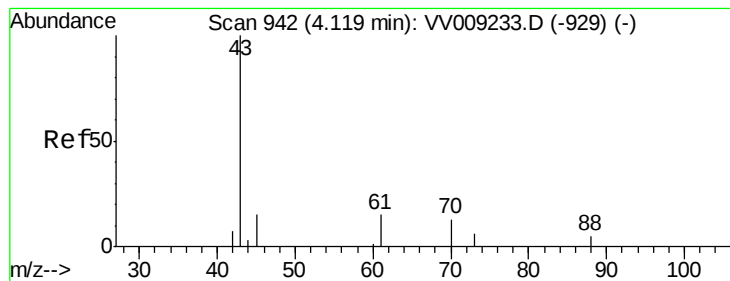
MMDadoda
 1/25/2019 10:01:37 AM



#36
 1,1-Dichloropropene
 Concen: 45.563 ug/l
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.5	52.5
77	30.9	25.5	38.3





#37

Ethyl Acetate

Concen: 43.630 ug/l

RT: 4.12 min Scan# 943

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

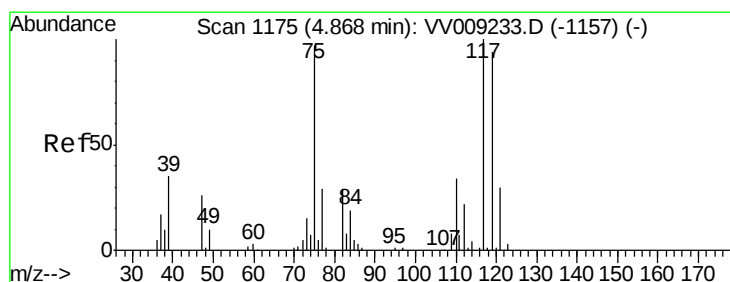
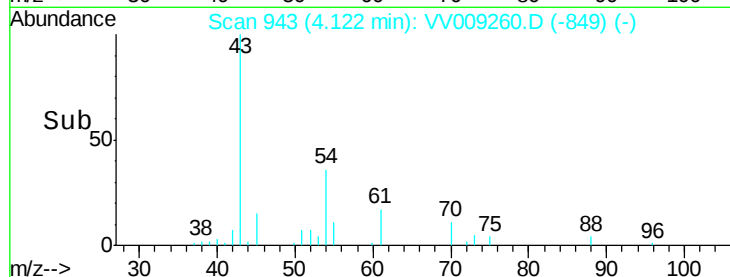
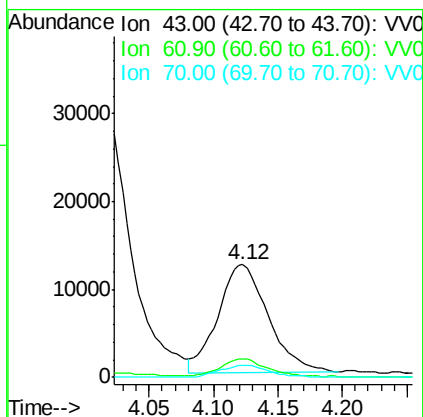
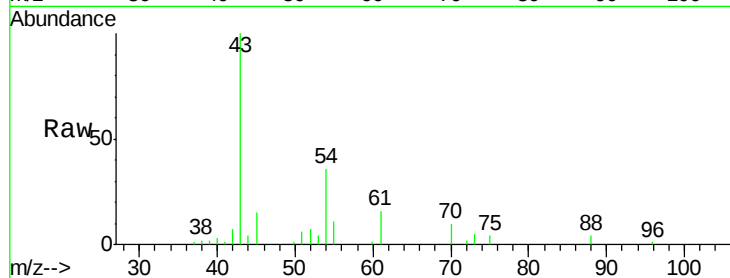
ClientSampleId :

ICVV012419

Tot Ion:	43	Resp:	33245
Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.0	18.0
70	10.7	8.7	13.1

Manual Integrations
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1/25/2019 10:01:37 AM



#38

Carbon Tetrachloride

Concen: 46.551 ug/l

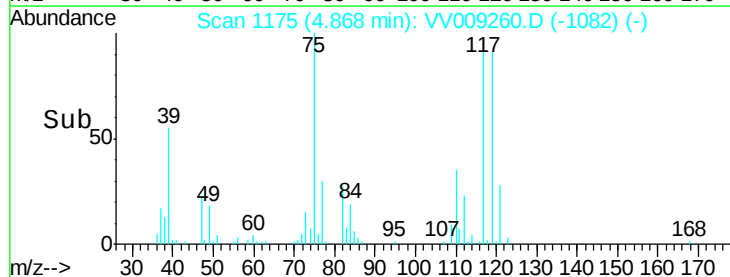
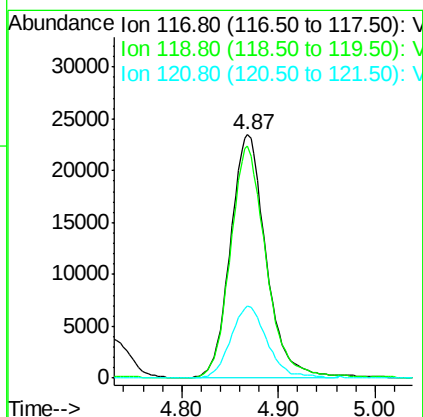
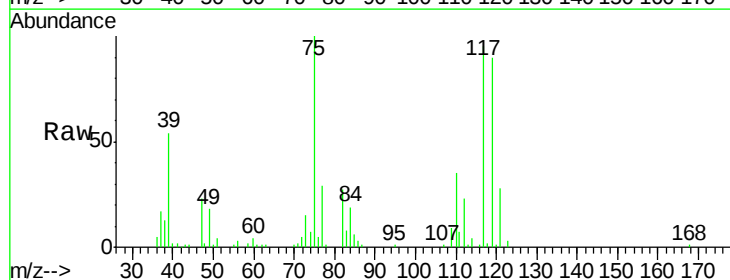
RT: 4.87 min Scan# 1175

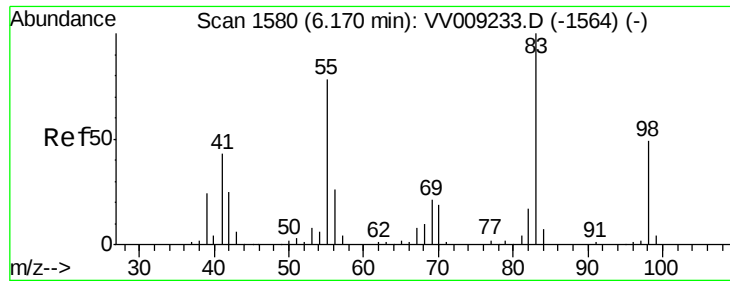
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	117	Resp:	60149
Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.4	113.2
121	29.6	24.2	36.2





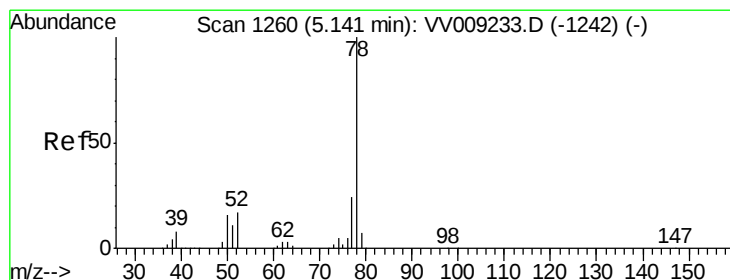
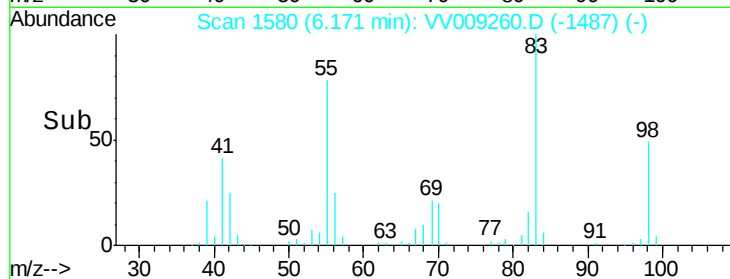
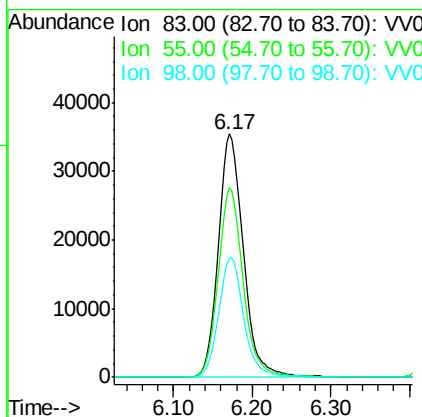
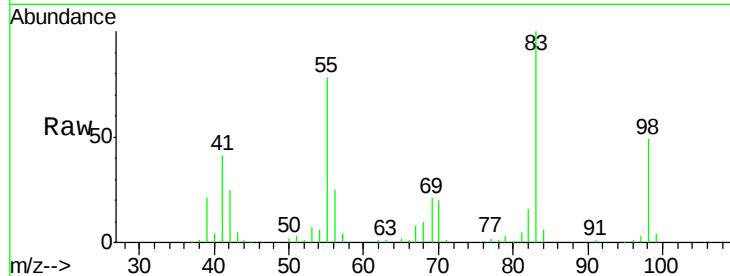
#39
Methvlcvclohexane
Concen: 47.423 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	62.8	94.2
98	49.0	39.1	58.7

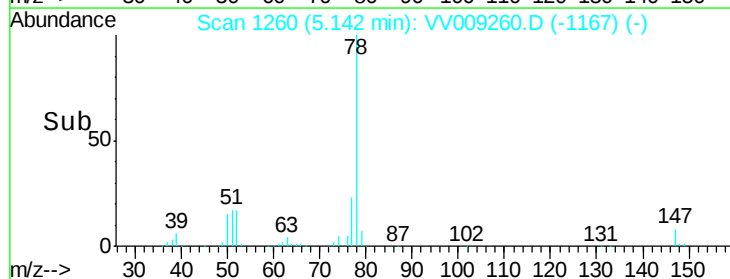
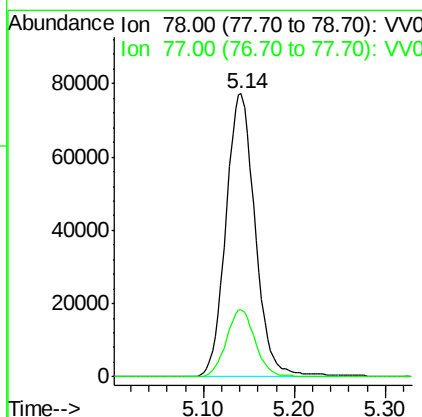
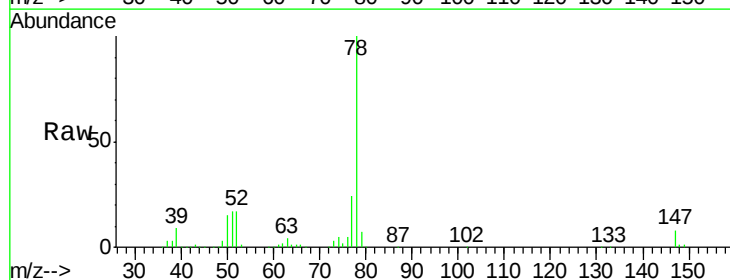
Manual Integrations
APPROVED

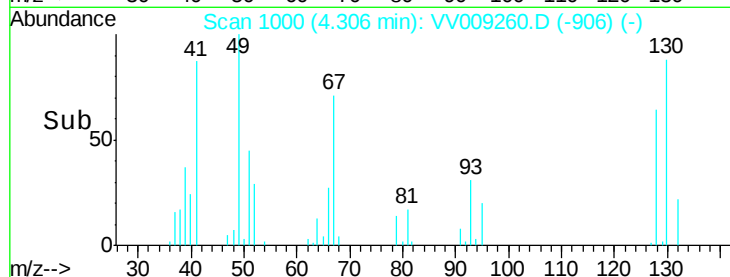
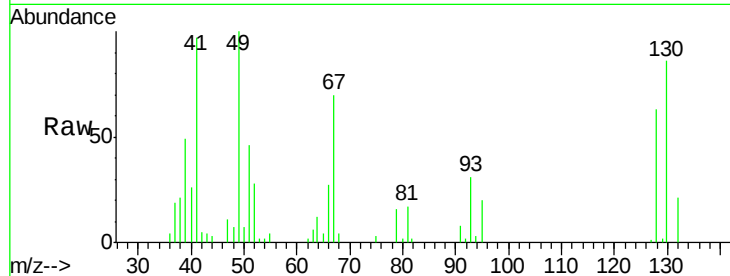
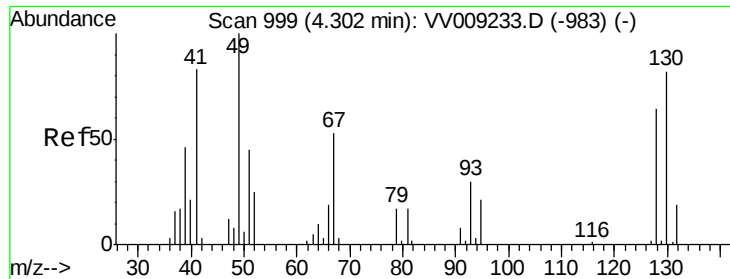
MMDadoda
1/25/2019 10:01:37 AM



#40
Benzene
Concen: 44.873 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.2





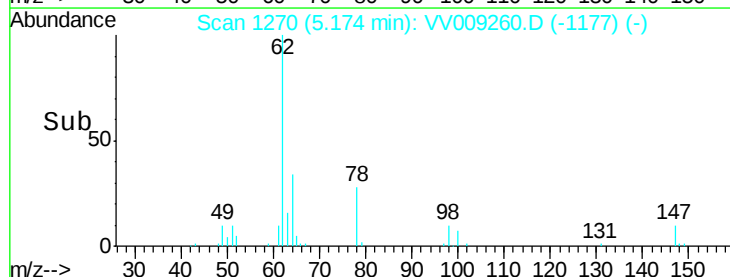
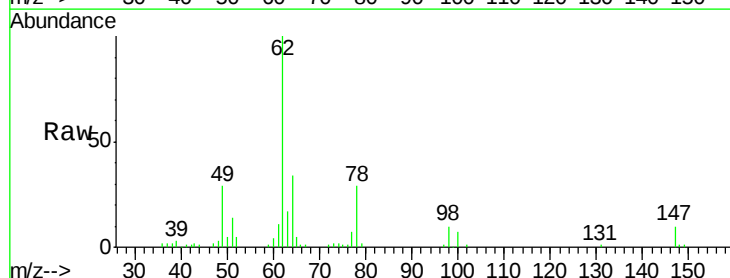
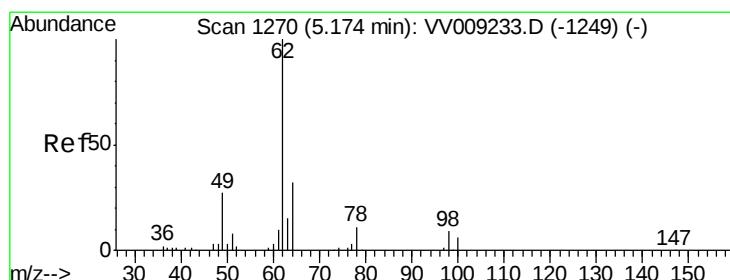
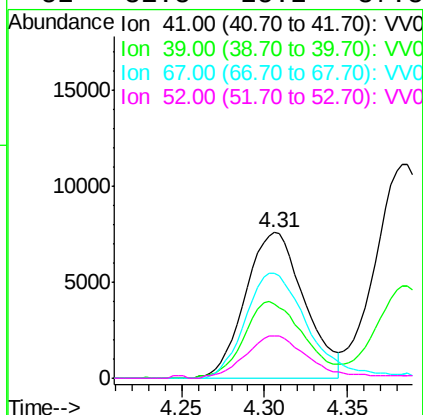
#41
Methacrylonitrile
Concen: 49.444 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	45.4	68.0	
67	77.3	55.5	83.3	
52	31.8	25.2	37.8	

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

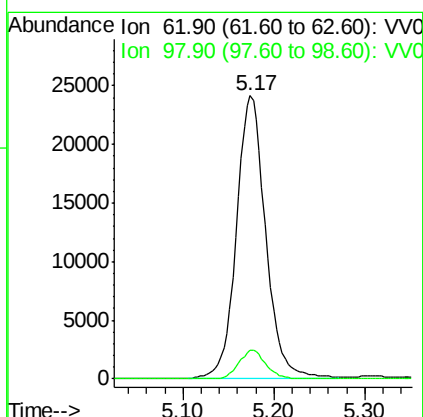
Manual Integrations
APPROVED

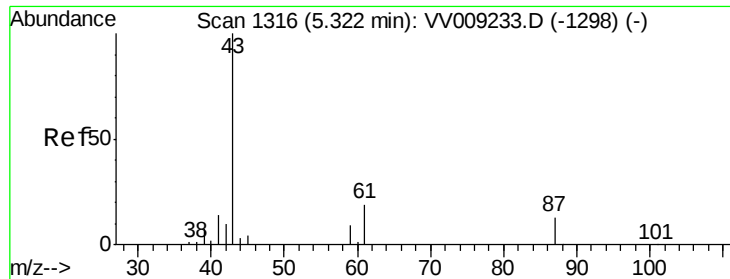
MMDadoda
1/25/2019 10:01:37 AM



#42
1,2-Dichloroethane
Concen: 45.311 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	16.4	





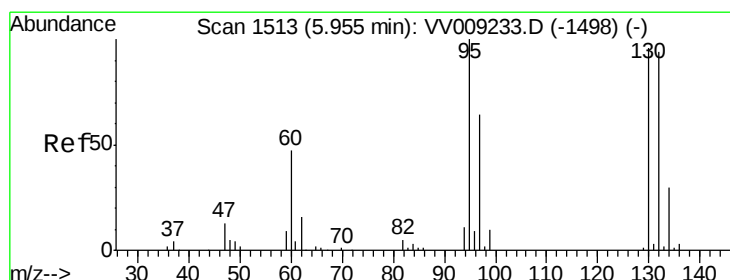
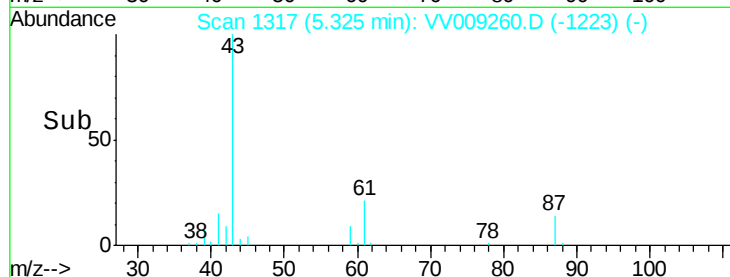
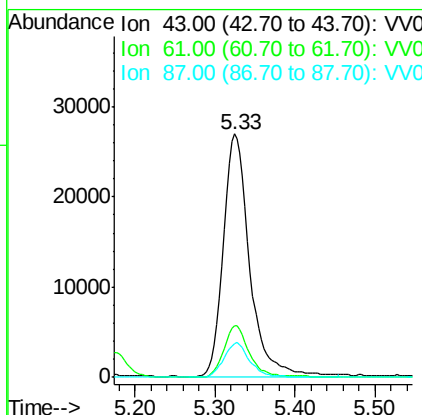
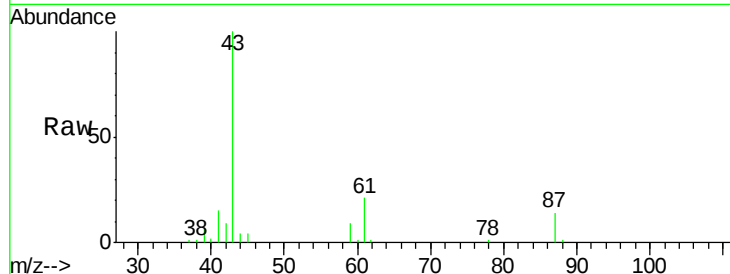
#43
Isopropyl Acetate
Concen: 48.978 ug/l
RT: 5.33 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012419

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.6	9.9	14.9

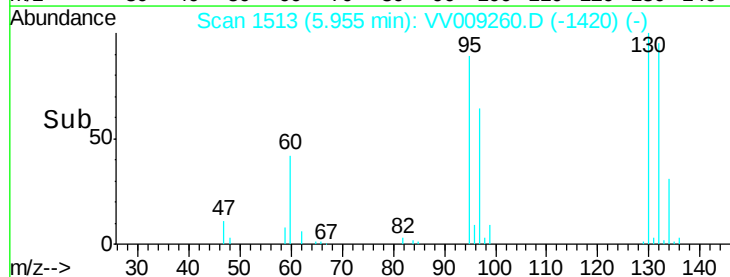
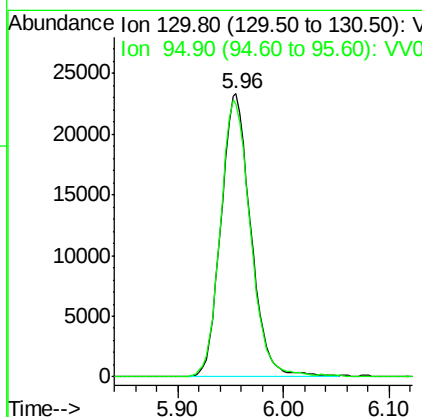
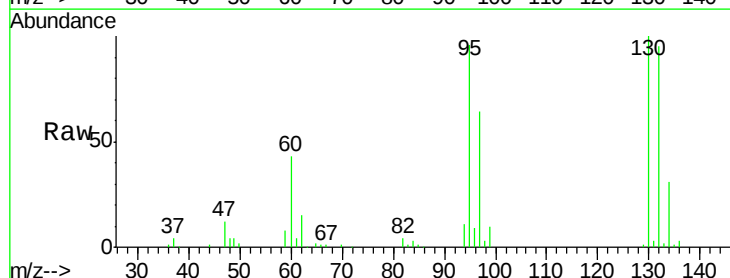
Manual Integrations
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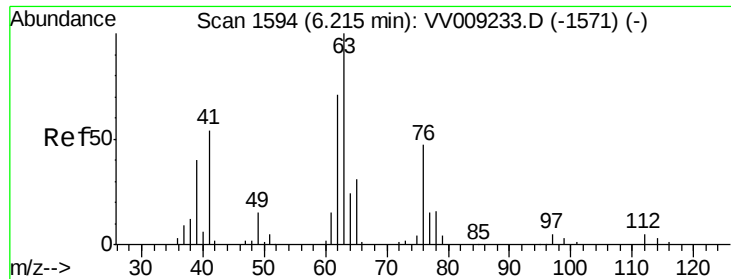
MMDadoda
1/25/2019 10:01:37 AM



#44
Trichloroethene
Concen: 44.373 ug/l
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	208.2





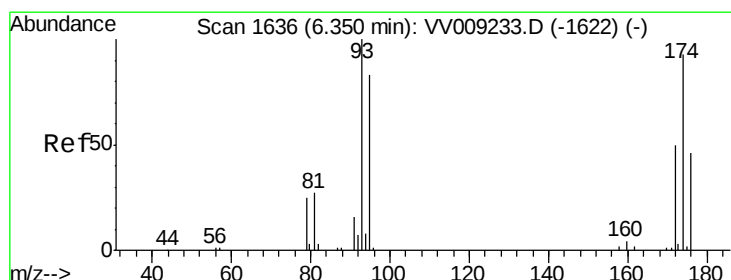
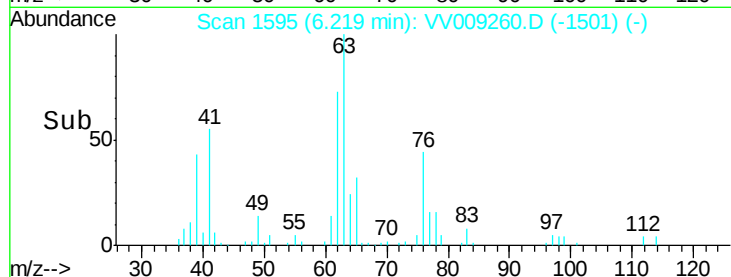
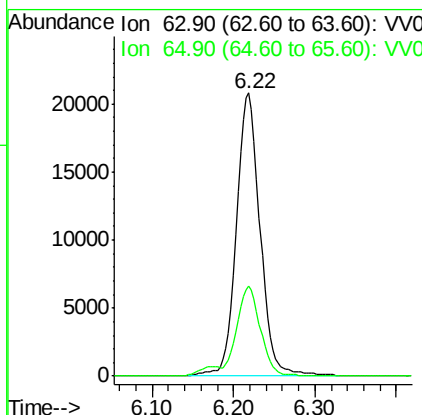
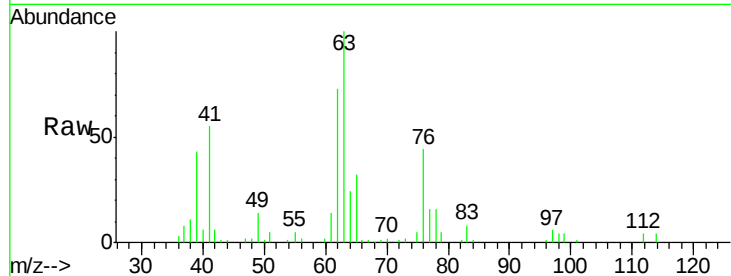
#45
 1,2-Dichloropropane
 Concen: 44.482 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVVV012419

Tot Ion: 63 Resp: 42153
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7

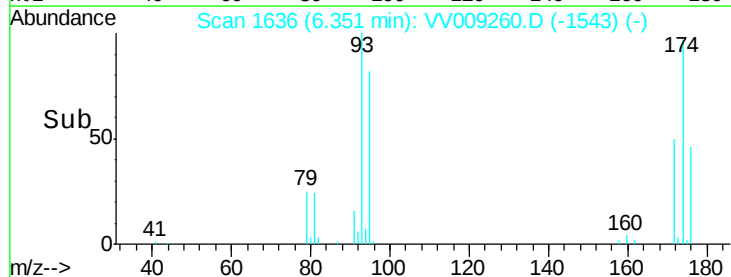
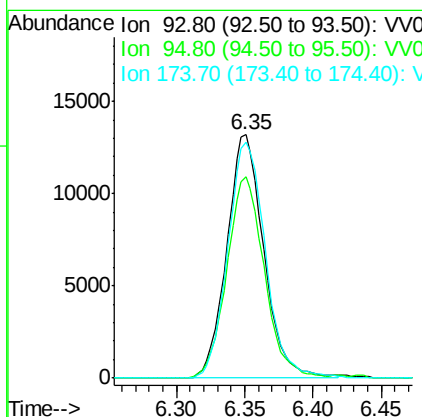
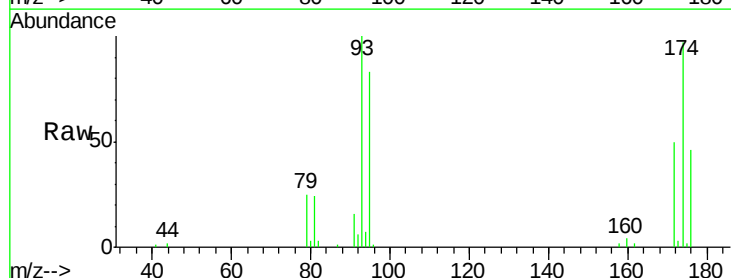
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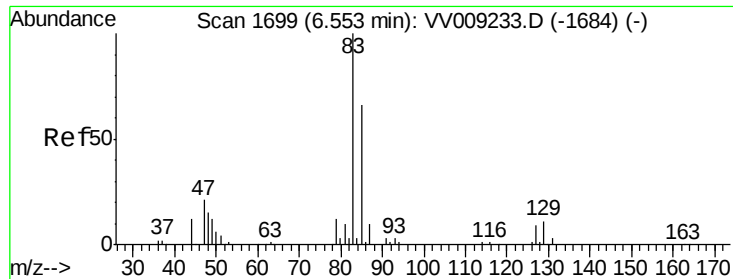
MMDadoda
 1/25/2019 10:01:37 AM



#46
 Dibromomethane
 Concen: 46.860 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion: 93 Resp: 24877
 Ion Ratio Lower Upper
 93 100
 95 83.9 64.6 97.0
 174 98.4 74.0 111.0





#47

Bromodichloromethane

Concen: 45.470 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

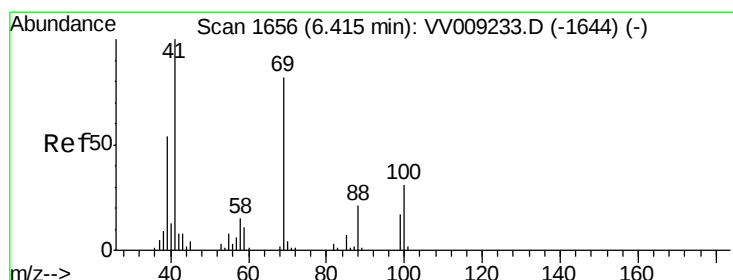
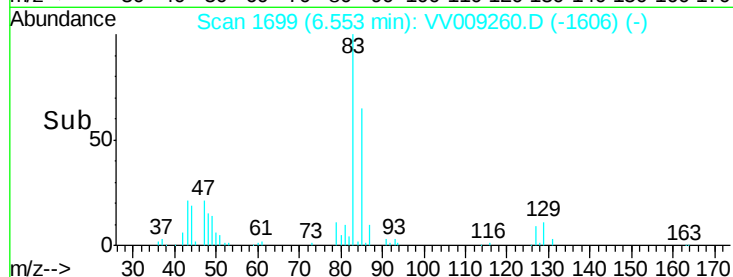
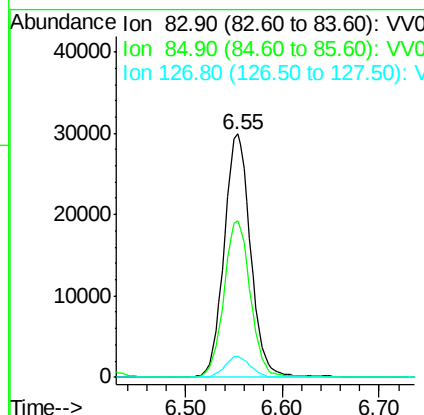
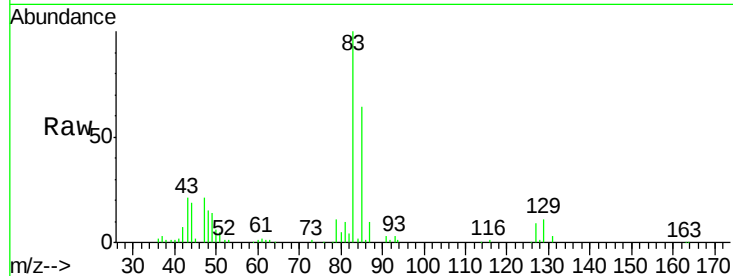
ClientSampleId :

ICVV012419

Tot Ion:	83	Resp:	56779
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	78.8
127	8.7	7.0	10.6

Manual Integrations
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MMDadoda
1/25/2019 10:01:37 AM



#48

Methyl methacrylate

Concen: 50.002 ug/l

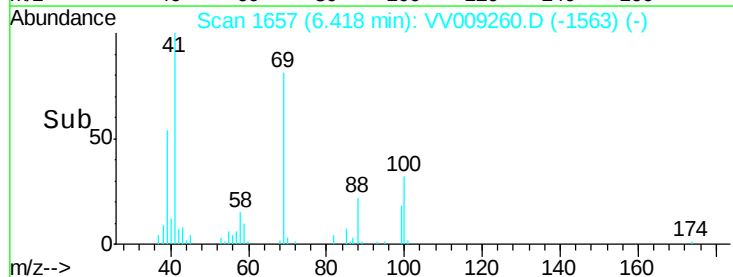
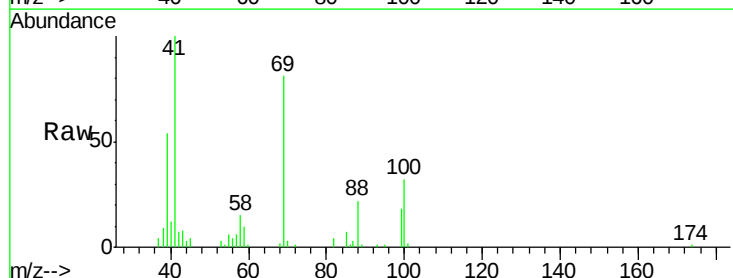
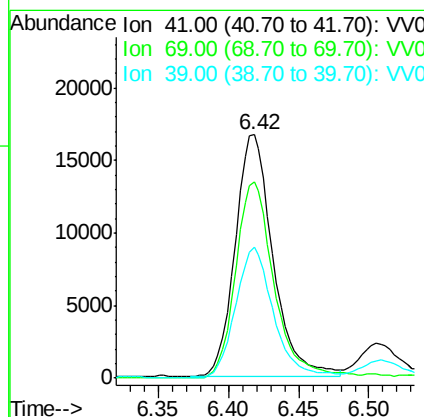
RT: 6.42 min Scan# 1657

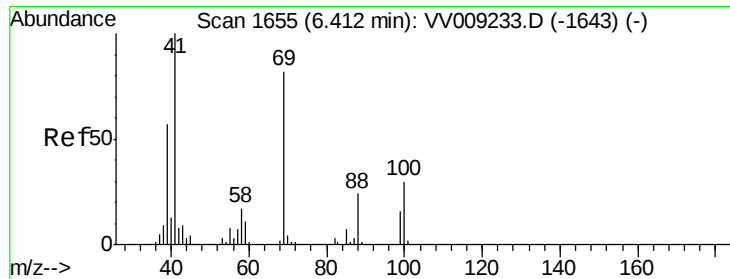
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	41	Resp:	31395
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.8	98.6
39	54.7	43.4	65.0





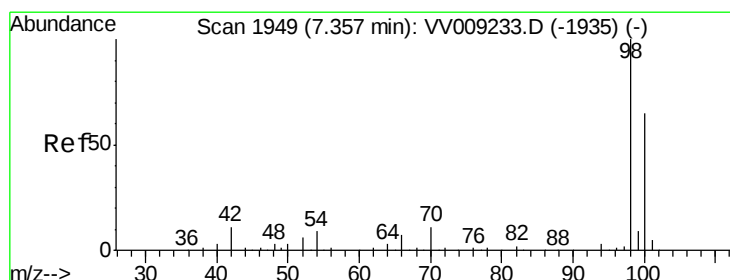
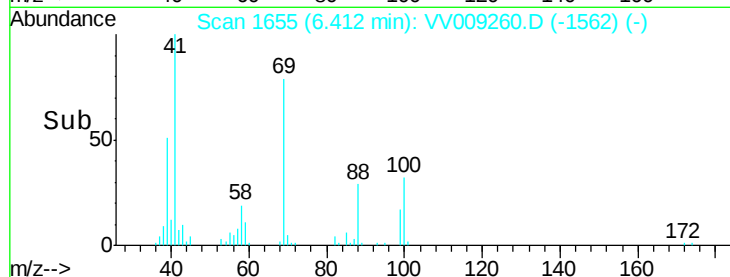
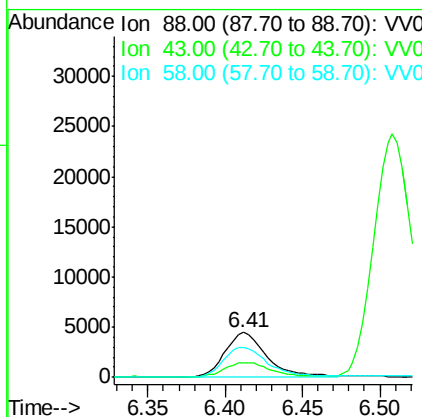
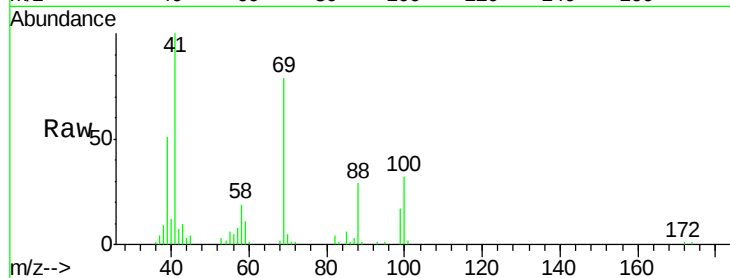
#49
1,4-Dioxane
Concen: 1012.206 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	31.9	47.9
58	71.6	62.0	93.0

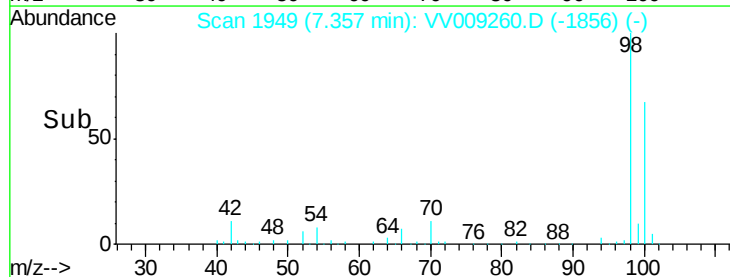
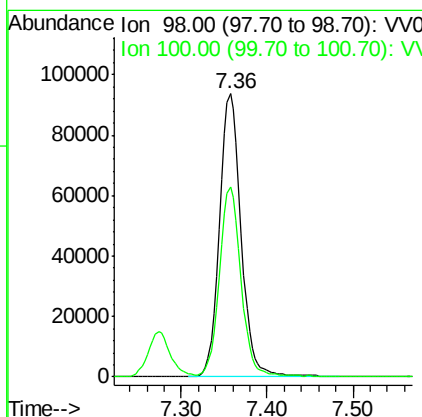
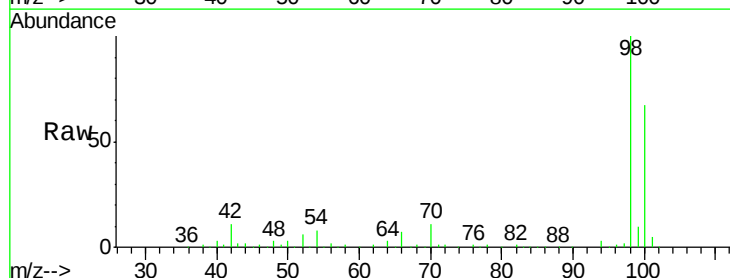
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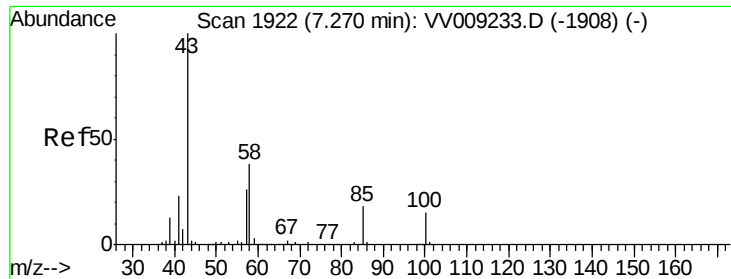
MMDadoda
1/25/2019 10:01:37 AM



#50
Toluene-d8
Concen: 49.961 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 249.871 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion: 43 Resp: 166446

Ion Ratio Lower Upper

43 100

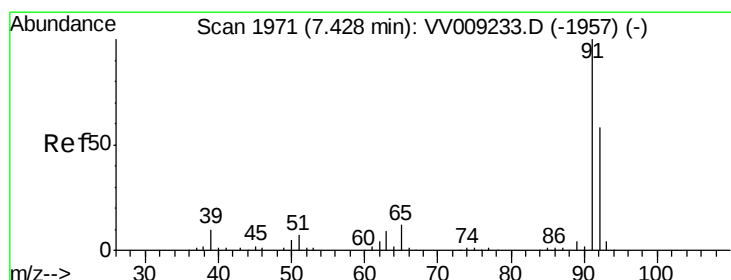
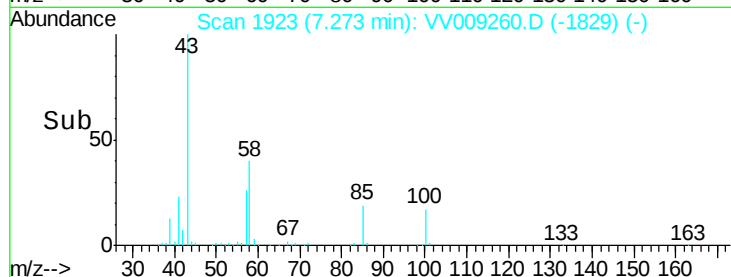
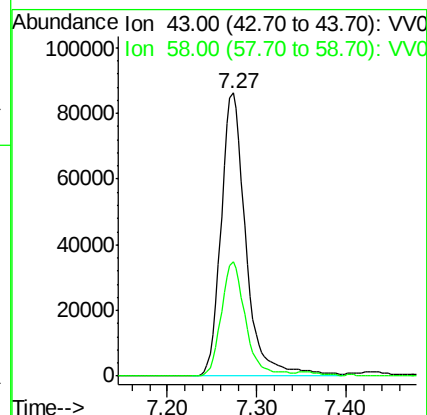
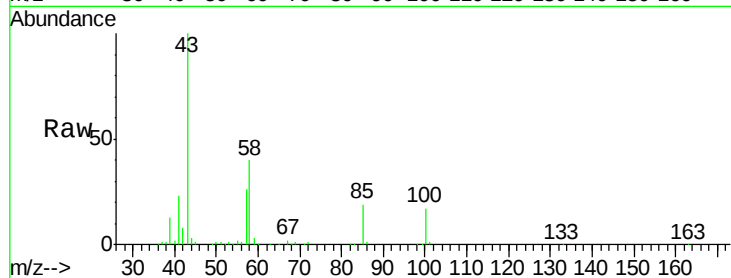
58 39.5 30.4 45.6

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#52

Toluene

Concen: 44.966 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009260.D

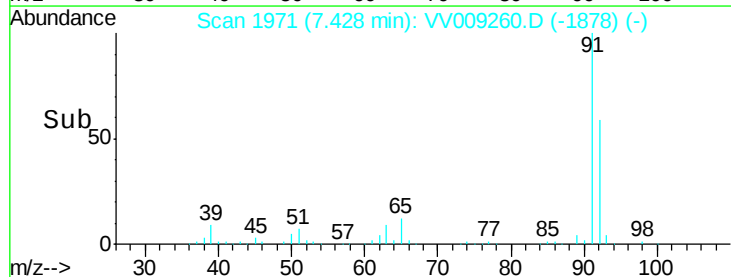
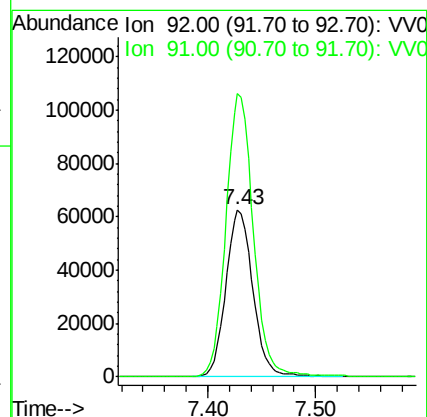
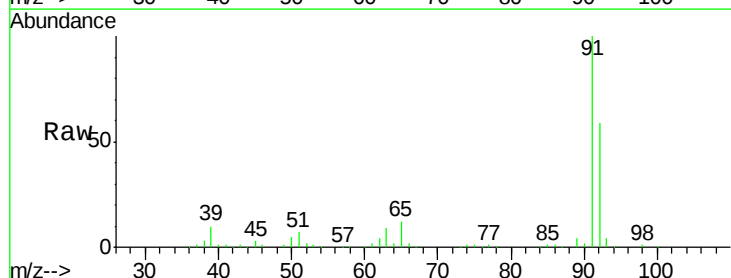
Acq: 24 Jan 2019 15:11

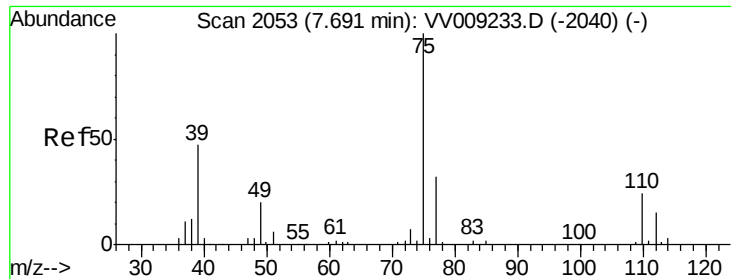
Tgt Ion: 92 Resp: 109307

Ion Ratio Lower Upper

92 100

91 172.0 137.2 205.8





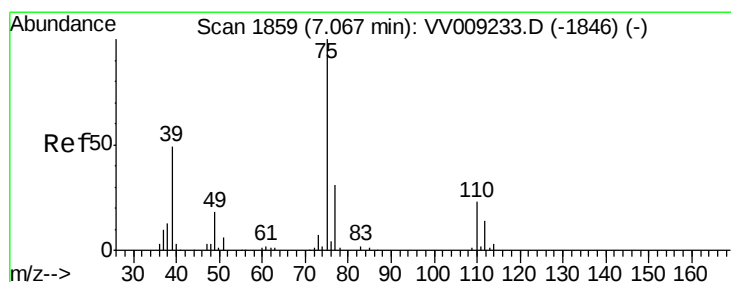
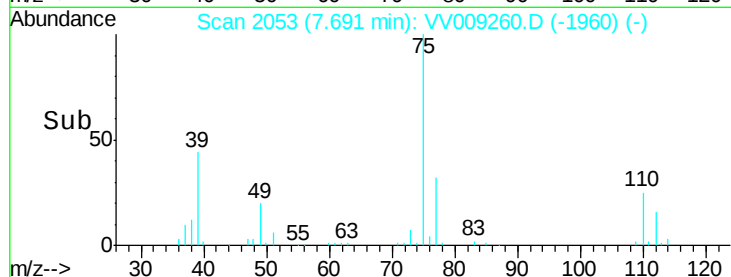
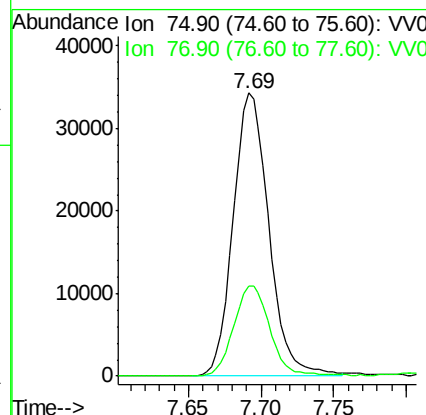
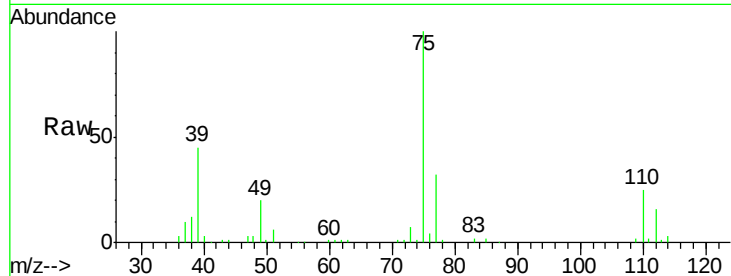
#53
t-1,3-Dichloropropene
Concen: 46.390 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012419

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8

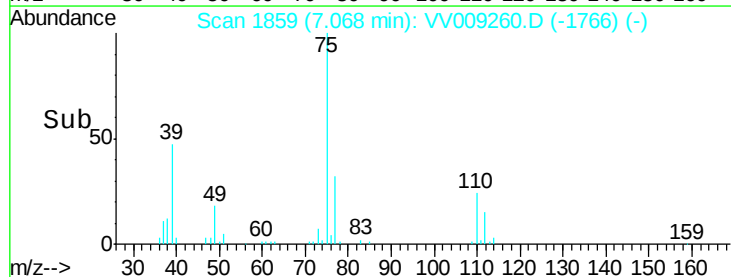
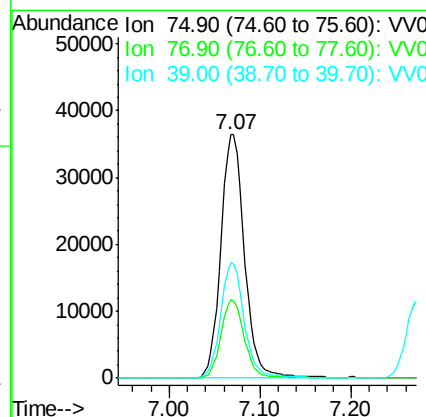
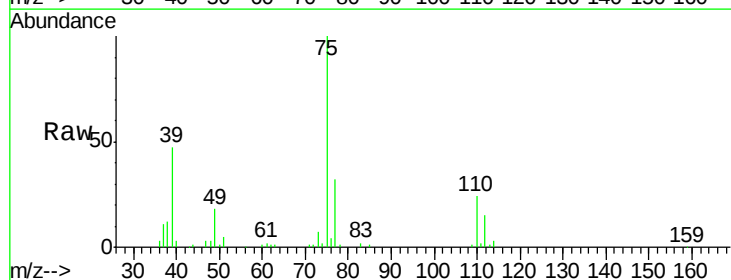
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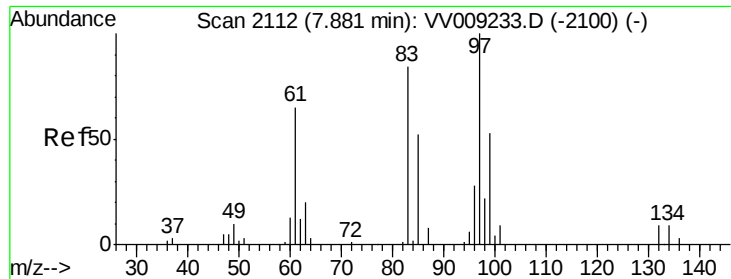
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.190 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	47.4	38.8	58.2





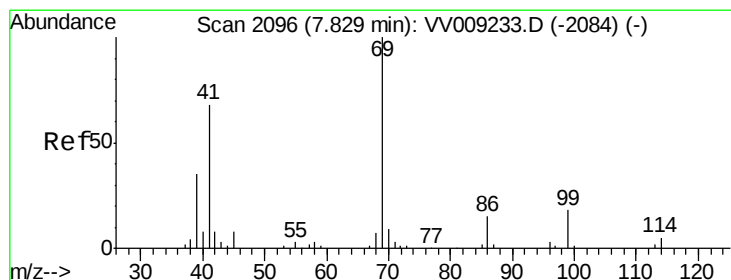
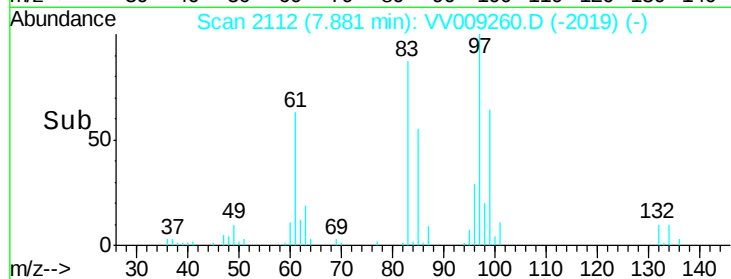
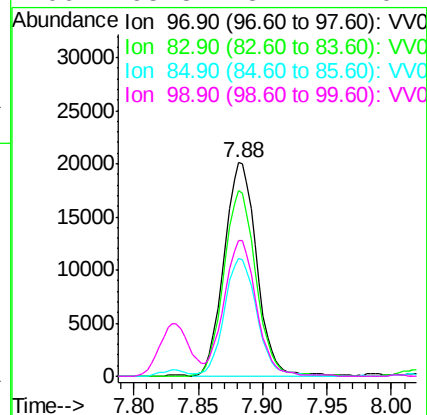
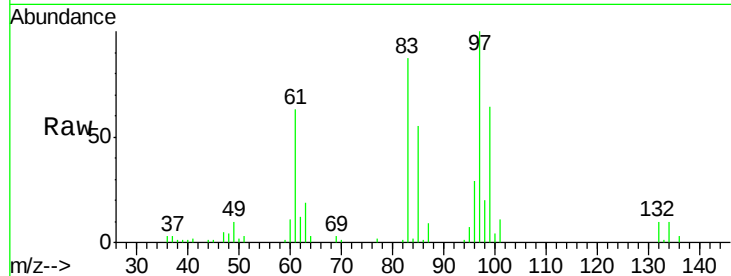
#55
 1,1,2-Trichloroethane
 Concen: 47.854 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVVV012419

Tot Ion:	97	Resp:	35424
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.4	101.0
85	55.0	42.6	64.0
99	63.8	51.1	76.7

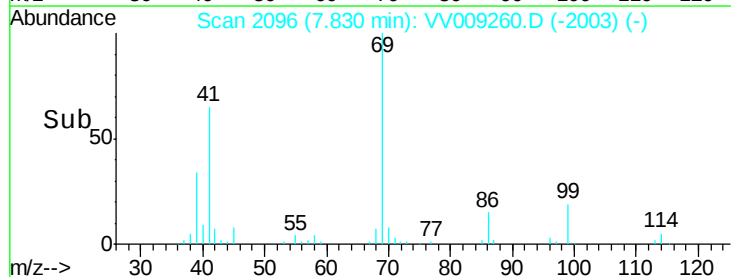
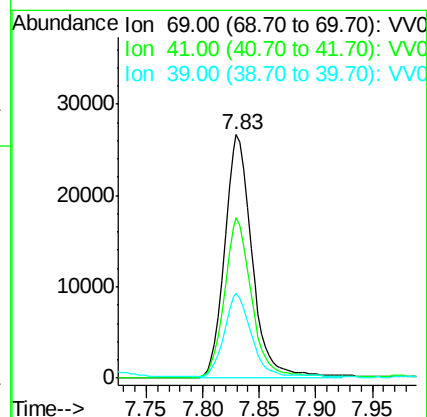
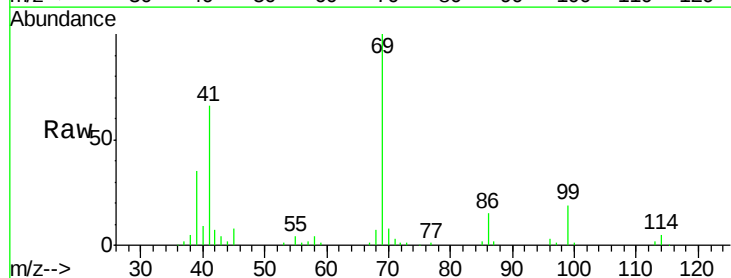
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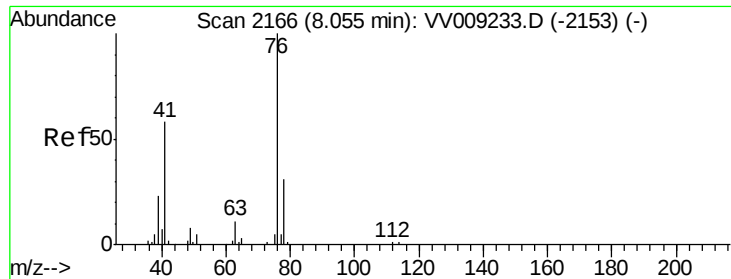
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#56
 Ethyl methacrylate
 Concen: 50.695 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion:	69	Resp:	45339
Ion	Ratio	Lower	Upper
69	100		
41	65.1	54.0	81.0
39	33.1	26.8	40.2





#57

1,3-Dichloropropane

Concen: 46.827 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion: 76 Resp: 61758

Ion Ratio Lower Upper

76 100

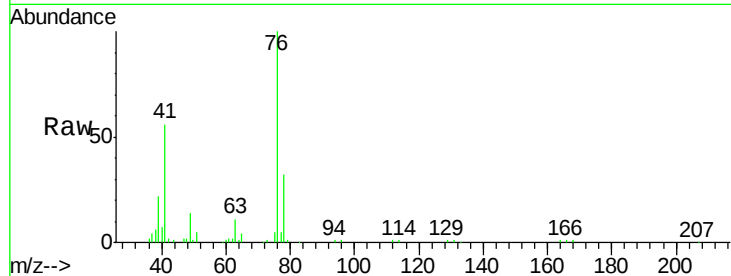
78 32.1 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0

8.05

40000

30000

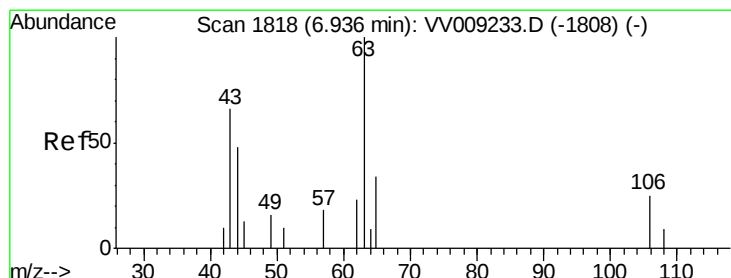
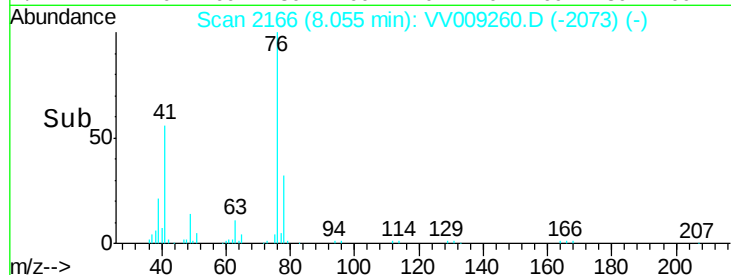
20000

10000

0

8.00 8.05 8.10 8.15

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.673 ug/l

RT: 6.94 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VV009260.D

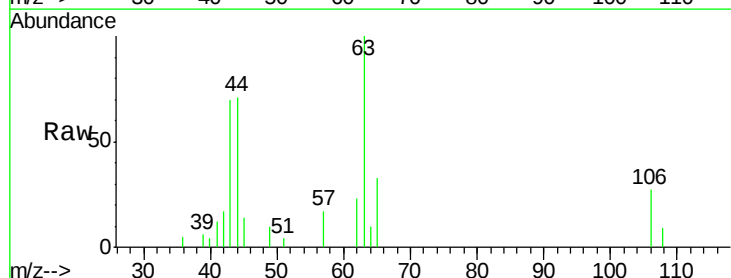
Acq: 24 Jan 2019 15:11

Tgt Ion: 63 Resp: 4184

Ion Ratio Lower Upper

63 100

106 26.3 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V

6.94

2500

2000

1500

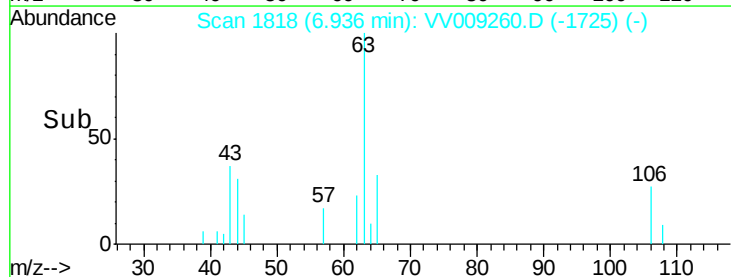
1000

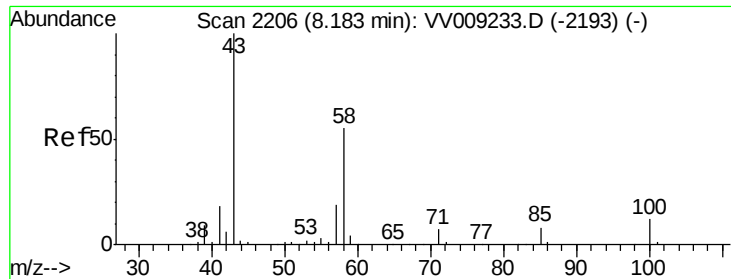
500

0

6.90 6.95 7.00

Time-->





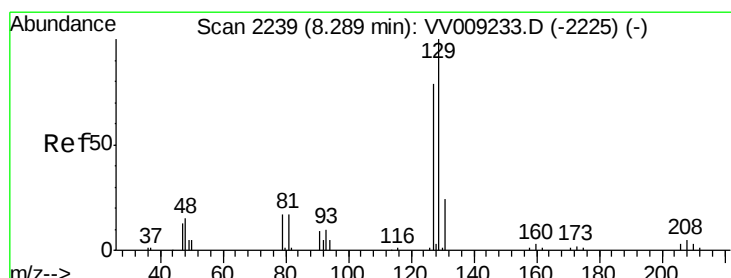
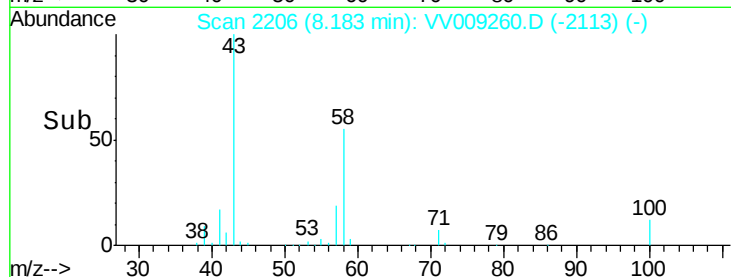
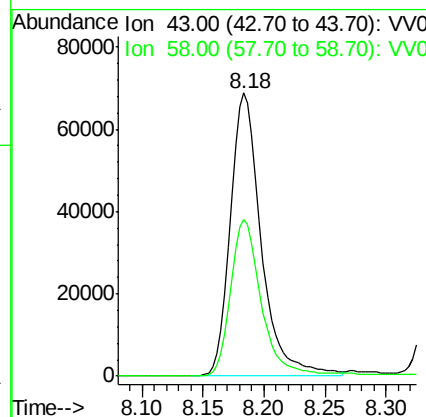
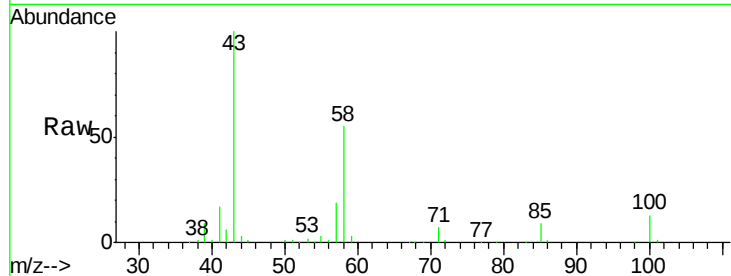
#59
2-Hexanone
Concen: 255.873 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012419

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.5	82.5

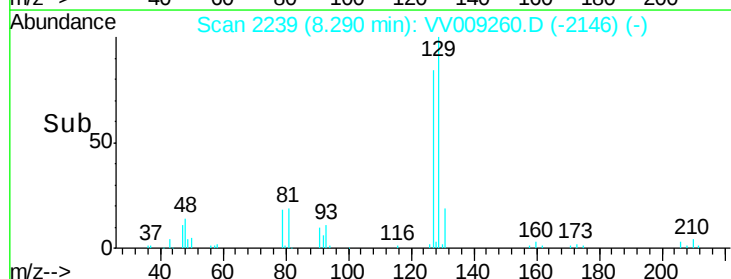
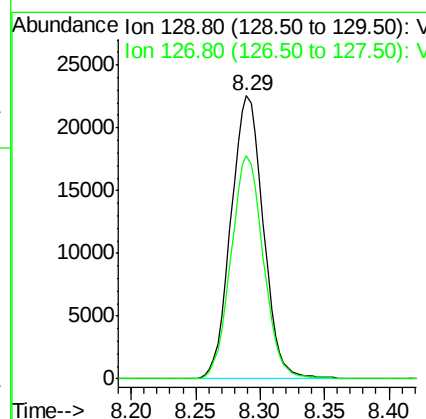
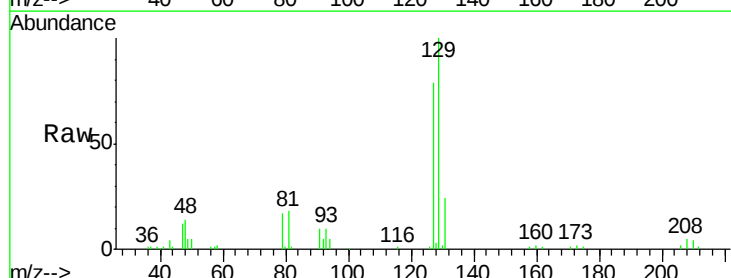
Manual Integrations
APPROVED

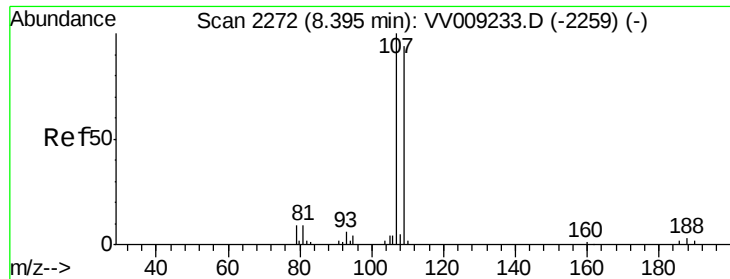
MMDadoda
1/25/2019 10:01:37 AM



#60
Dibromochloromethane
Concen: 46.505 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.8	116.4





#61

1,2-Dibromoethane

Concen: 47.640 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion:107 Resp: 35433

Ion Ratio Lower Upper

107 100

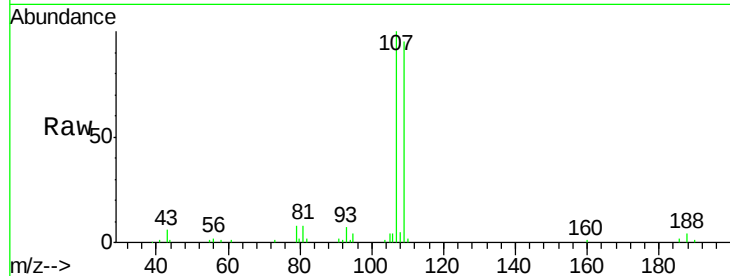
109 94.5 76.2 114.2

Manual Integrations

APPROVED

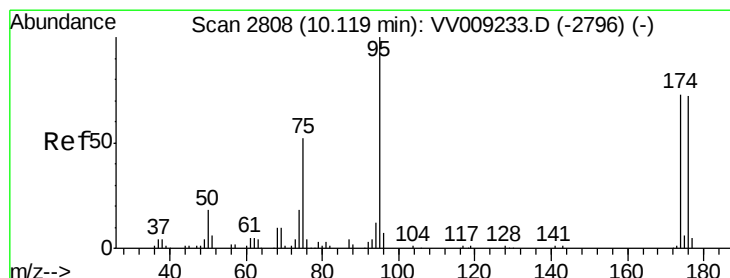
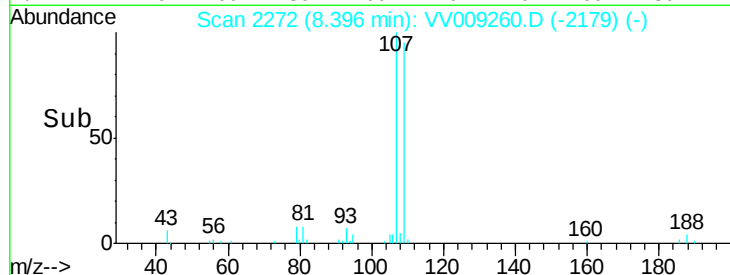
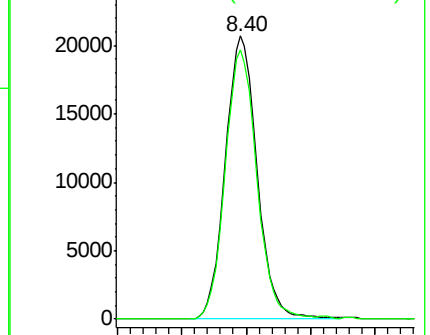
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.778 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

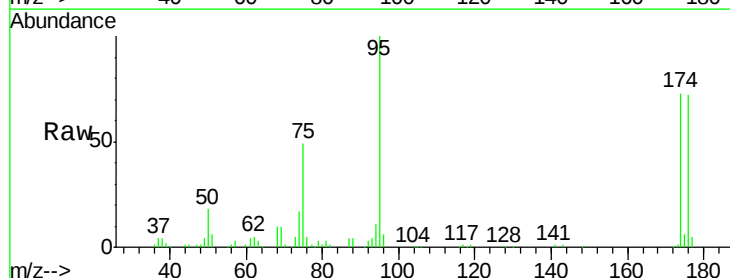
Tgt Ion: 95 Resp: 64219

Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.2

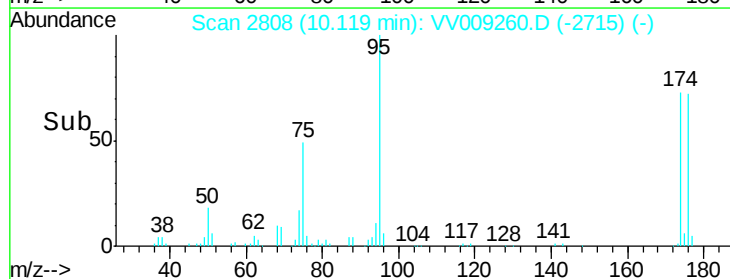
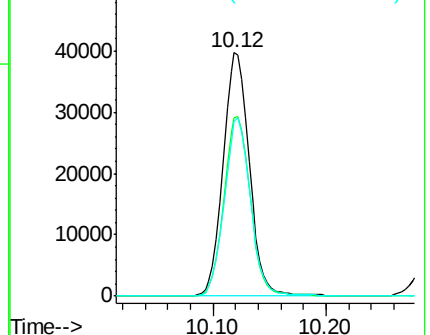
176 73.0 0.0 143.0

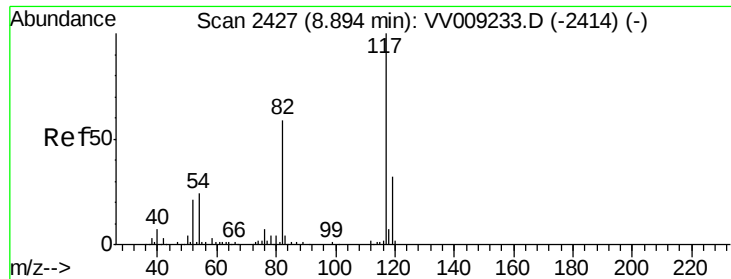


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





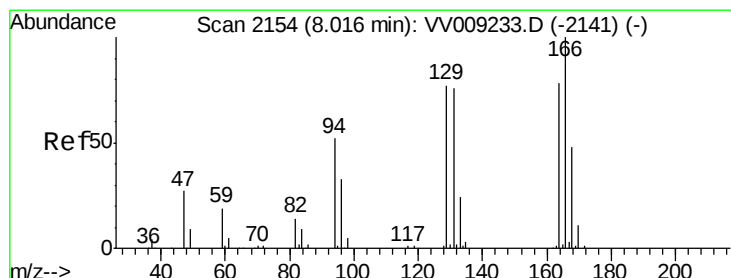
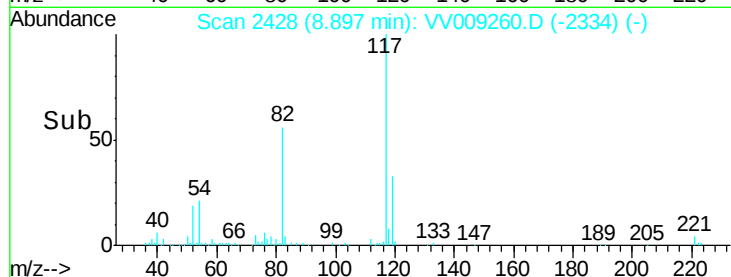
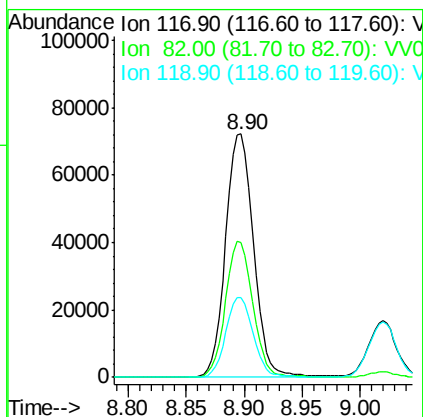
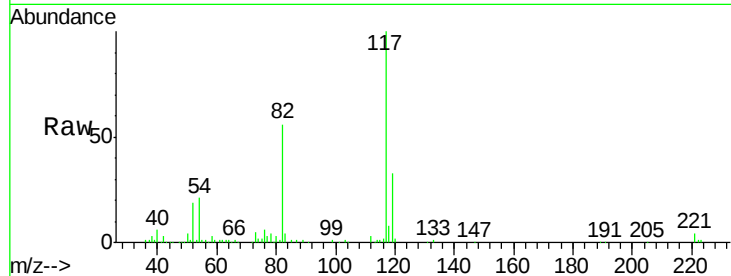
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.90 min Scan# 2428
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Resp	Lower	Upper
117	100	121202		
82	55.5	47.0	70.6	
119	32.8	25.4	38.2	

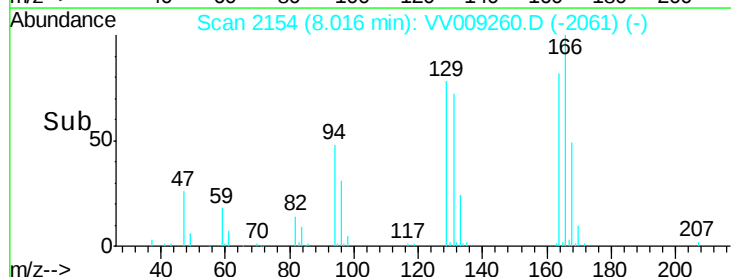
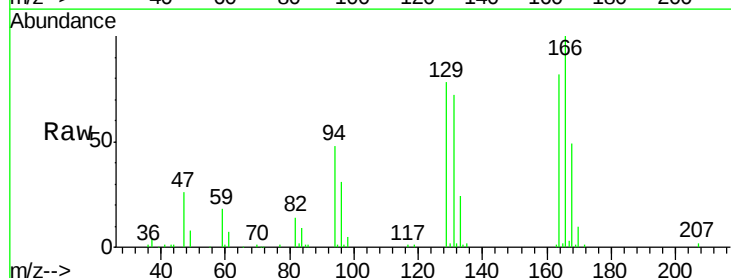
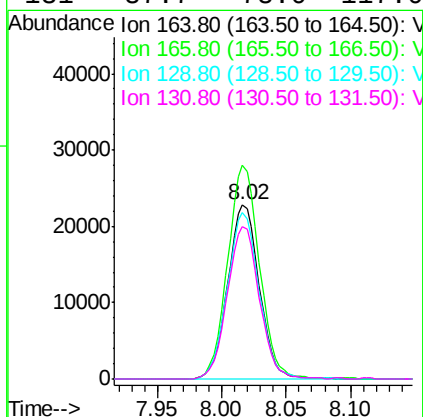
Manual Integrations
APPROVED

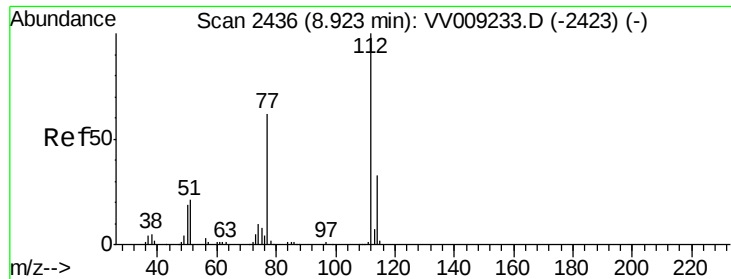
MMDadoda
1/25/2019 10:01:37 AM



#64
Tetrachloroethene
Concen: 46.397 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38775		
166	122.4	102.1	153.1	
129	95.4	78.1	117.1	
131	87.7	78.0	117.0	





#65

Chlorobenzene

Concen: 44.401 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012419

Tot Ion:112 Resp: 121364

Ion Ratio Lower Upper

112 100

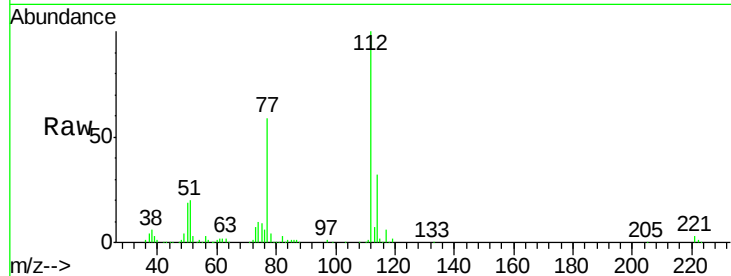
114 32.5 26.0 39.0

Manual Integrations

APPROVED

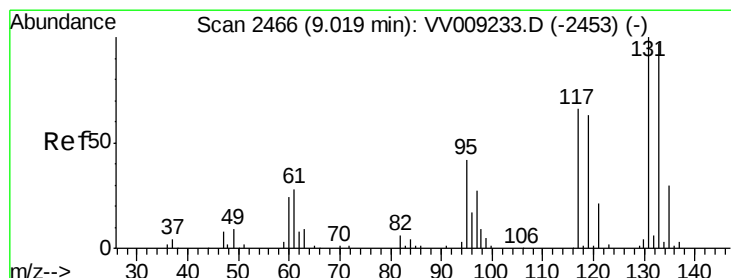
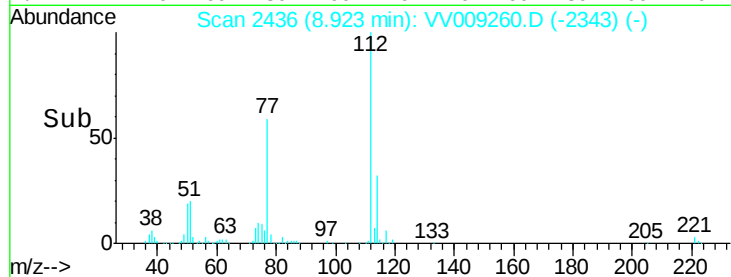
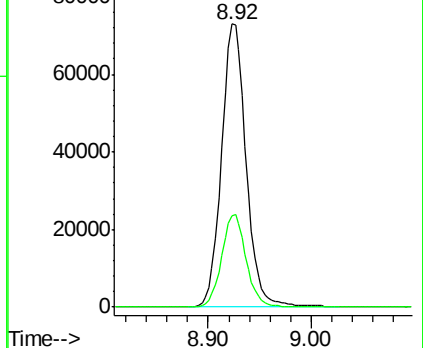
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.745 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

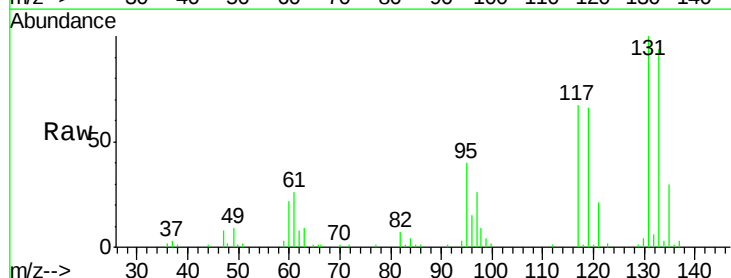
Tgt Ion:131 Resp: 41750

Ion Ratio Lower Upper

131 100

133 95.5 48.3 144.9

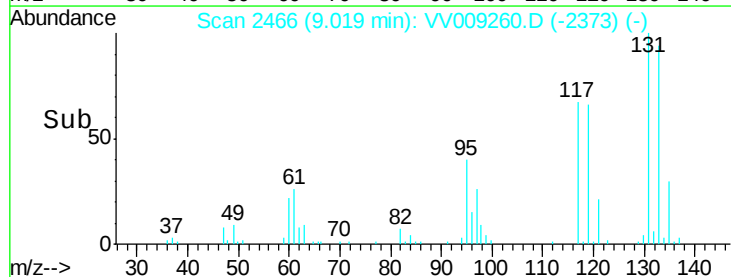
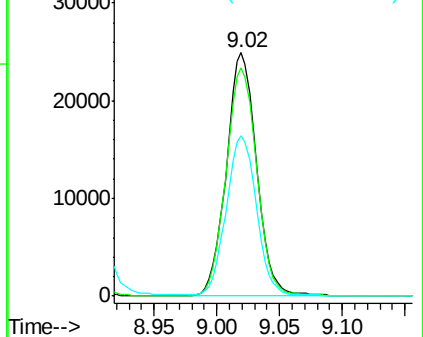
119 64.5 31.2 93.6

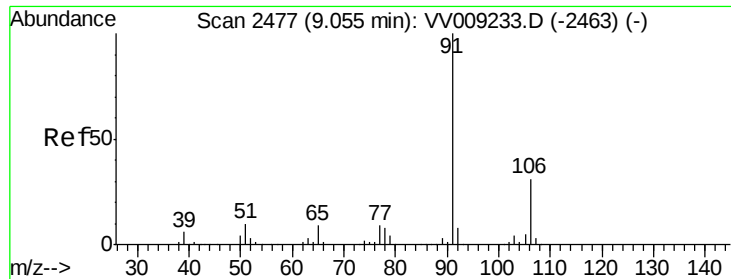


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 45.913 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion: 91 Resp: 212918

Ion Ratio Lower Upper

91 100

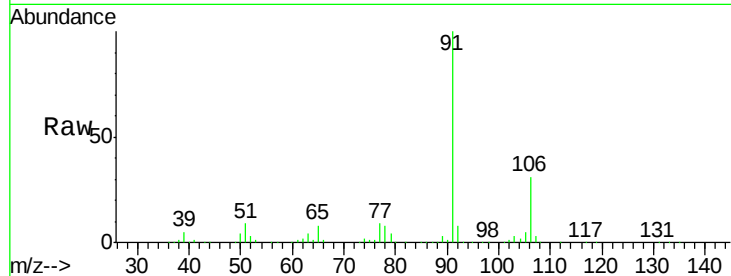
106 31.3 24.6 37.0

Manual Integrations

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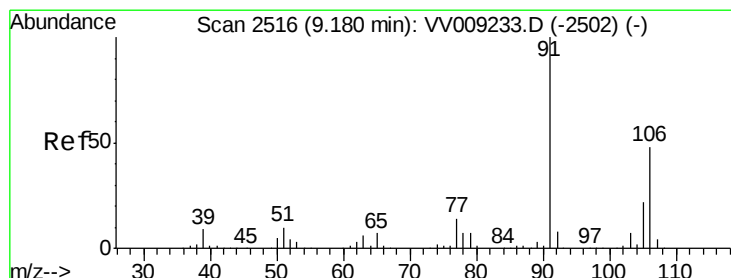
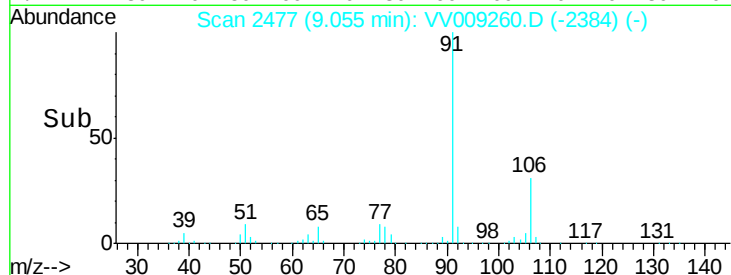
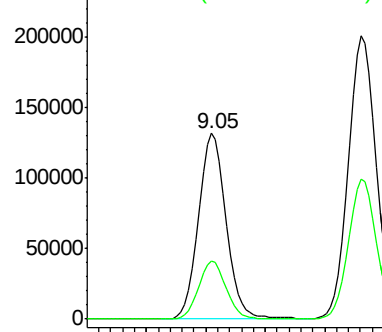
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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.367 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009260.D

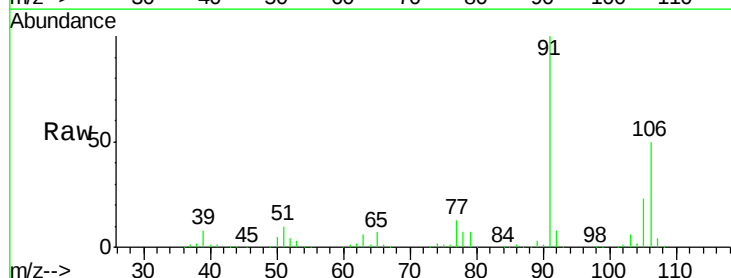
Acq: 24 Jan 2019 15:11

Tgt Ion:106 Resp: 164312

Ion Ratio Lower Upper

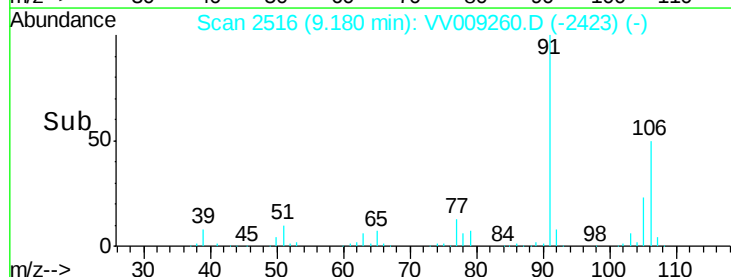
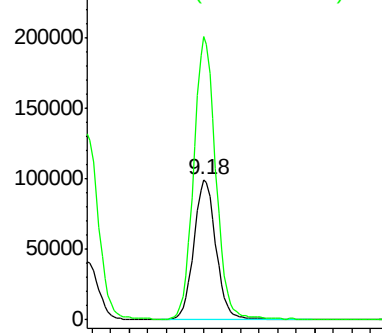
106 100

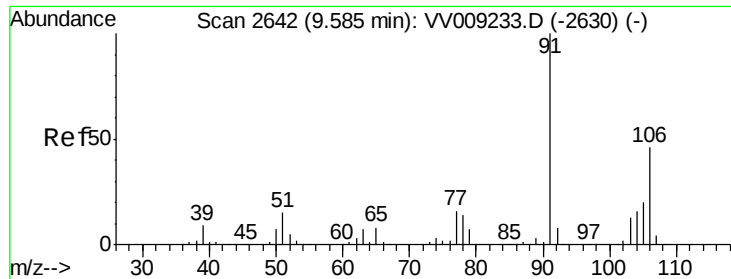
91 200.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





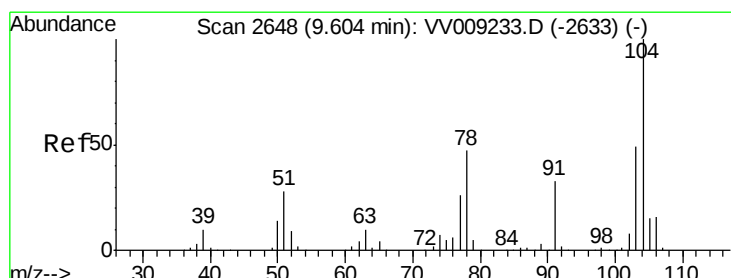
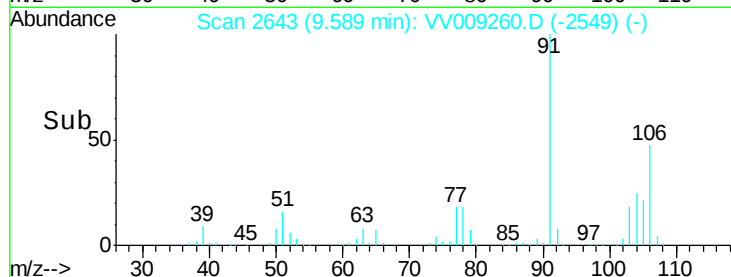
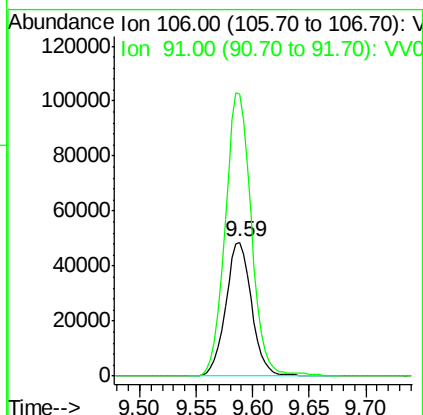
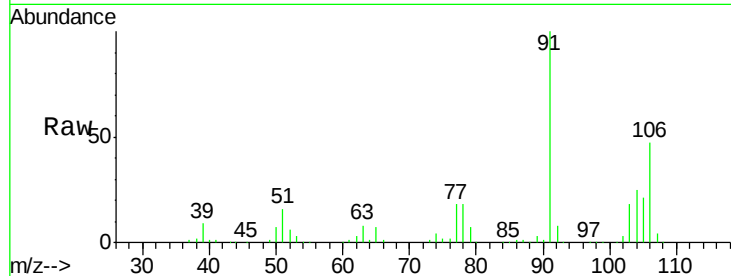
#69
o-Xylene
Concen: 46.885 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion:106 Resp: 77940
Ion Ratio Lower Upper
106 100
91 212.7 109.3 327.8

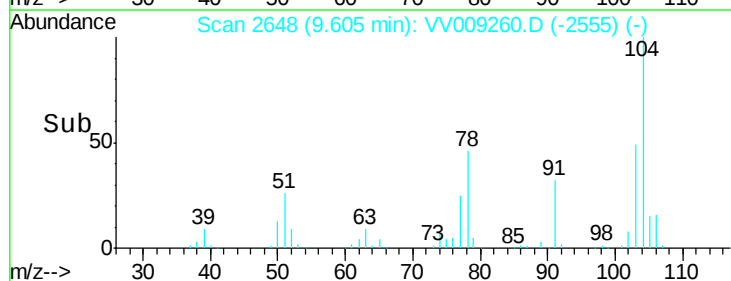
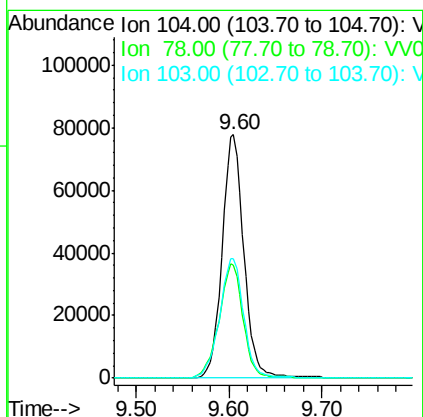
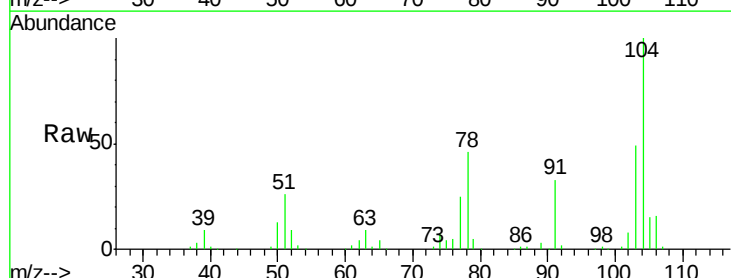
Manual Integrations
APPROVED

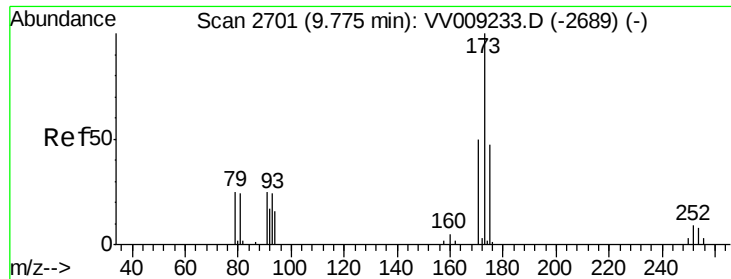
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#70
Styrene
Concen: 46.767 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion:104 Resp: 126607
Ion Ratio Lower Upper
104 100
78 52.1 43.1 64.7
103 54.8 43.8 65.8





#71

Bromoform

Concen: 48.415 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

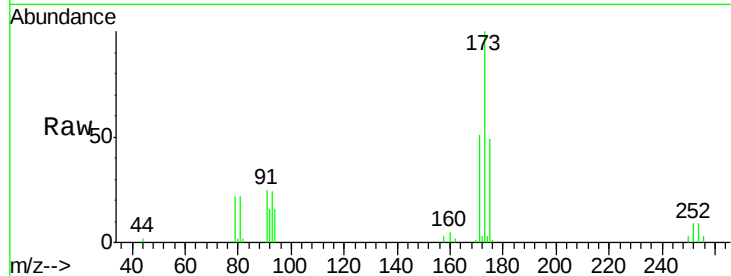
ClientSampleId :

ICVV012419

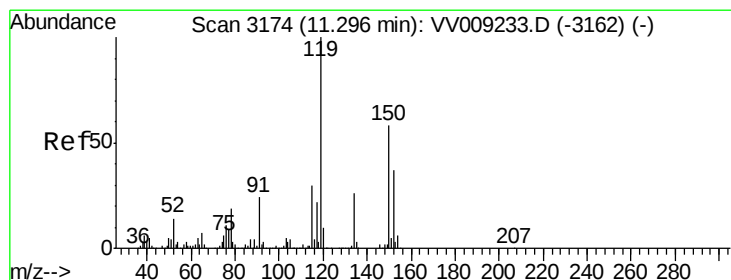
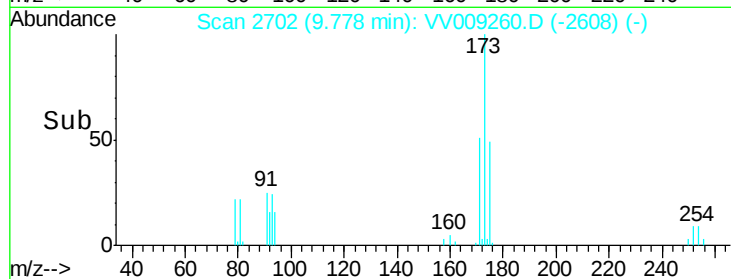
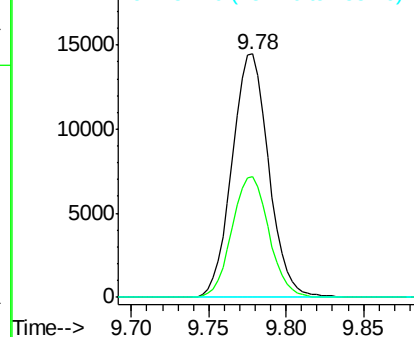
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.4	70.0
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

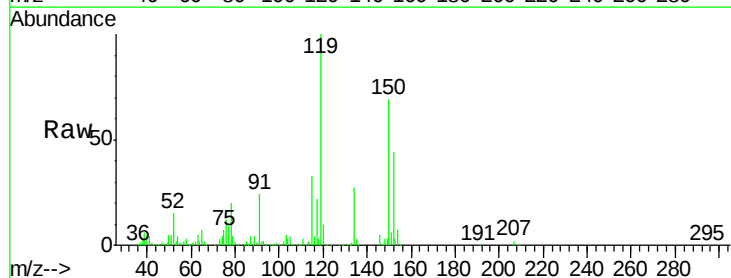
RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

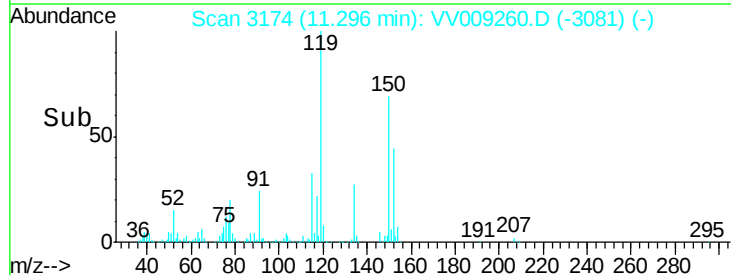
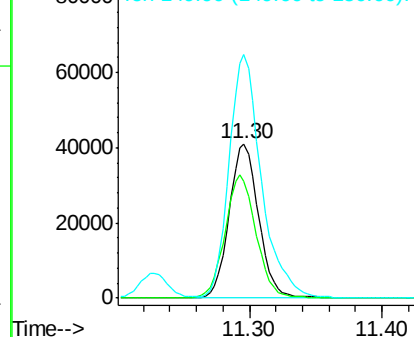
Lab File: VV009260.D

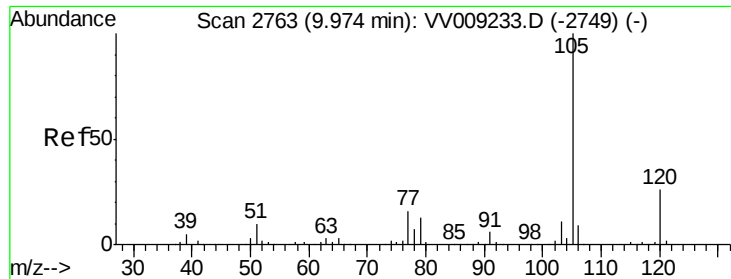
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.5	45.0	134.8
150	173.9	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.533 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion:105 Resp: 214034

Ion Ratio Lower Upper

105 100

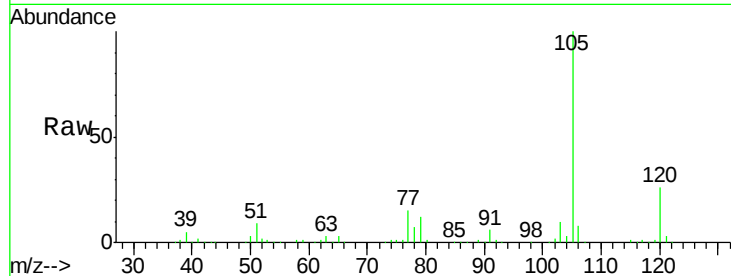
120 26.5 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

9.97

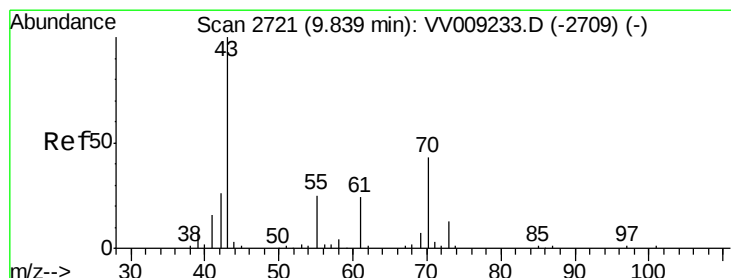
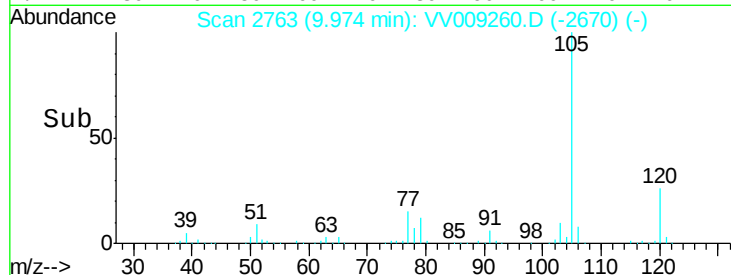
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 48.211 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion: 43 Resp: 53027

Ion Ratio Lower Upper

43 100

70 44.9 33.0 49.6

55 24.5 18.7 28.1

61 24.3 18.0 27.0

Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

50000

40000

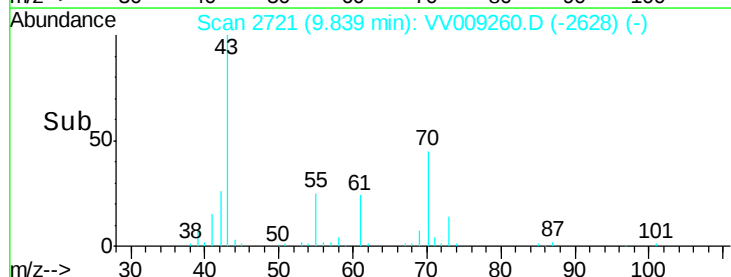
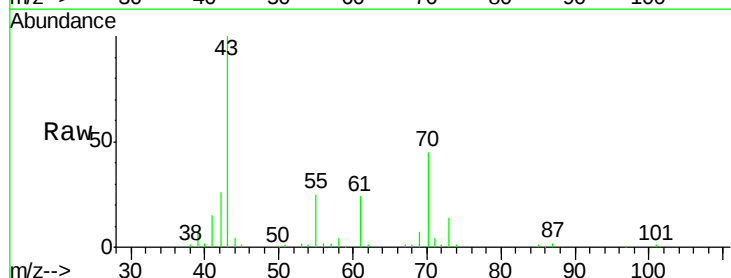
30000

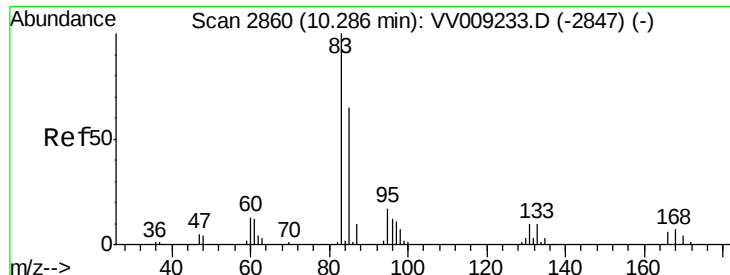
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.289 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

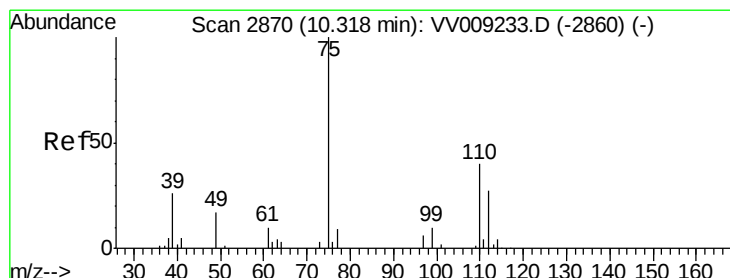
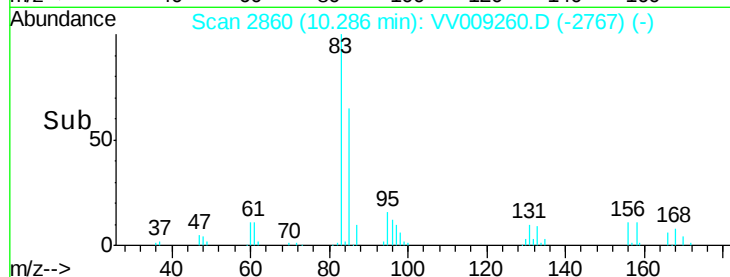
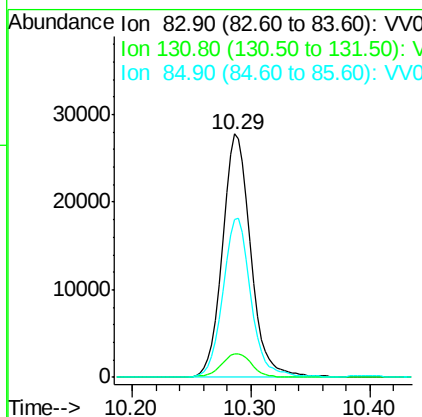
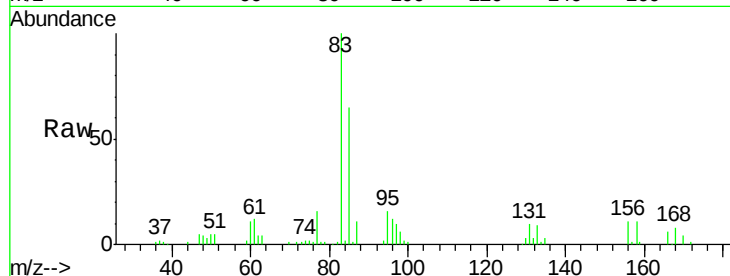
ClientSampleId :

ICVV012419

Tot Ion:	83	Resp:	45710
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.8	32.6	98.0

Manual Integrations
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1/25/2019 10:01:37 AM



#76

1,2,3-Trichloropropane

Concen: 66.554 ug/l

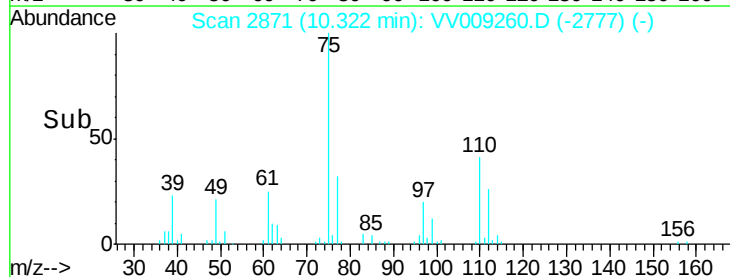
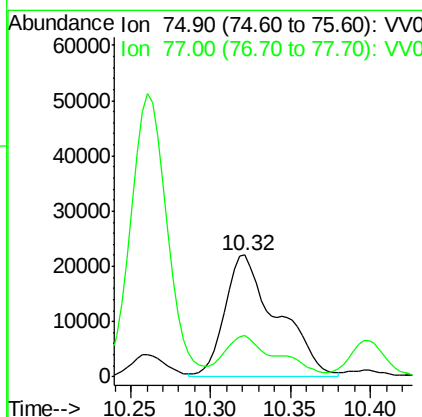
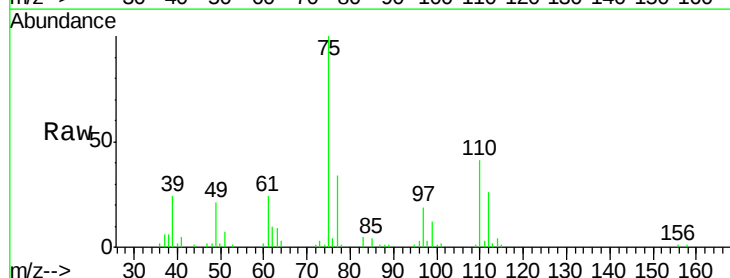
RT: 10.32 min Scan# 2871

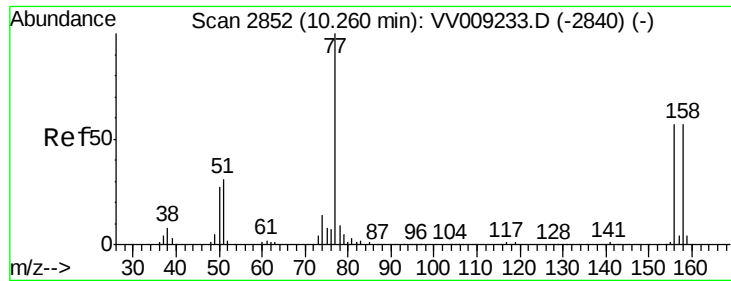
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	75	Resp:	49874
Ion	Ratio	Lower	Upper
75	100		
77	34.3	24.6	73.8





#77

Bromobenzene

Concen: 44.715 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion:156 Resp: 49043

Ion Ratio Lower Upper

156 100

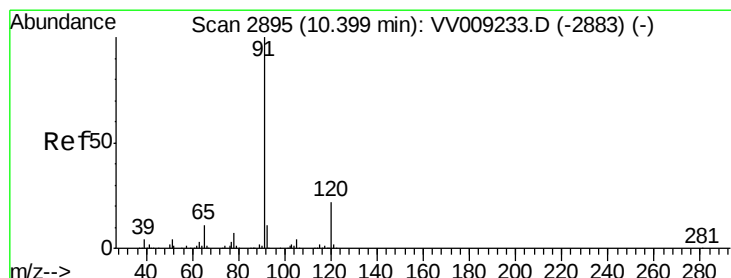
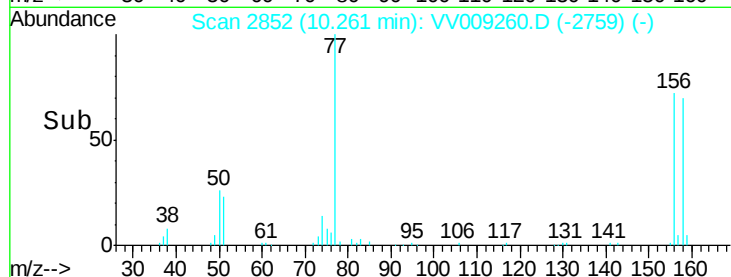
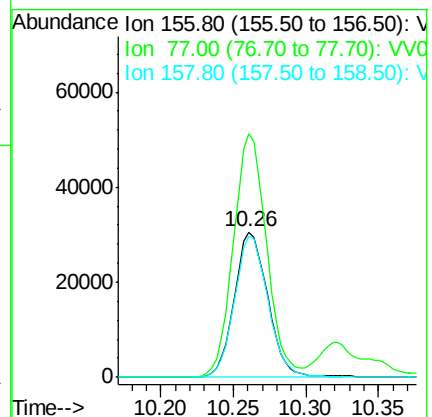
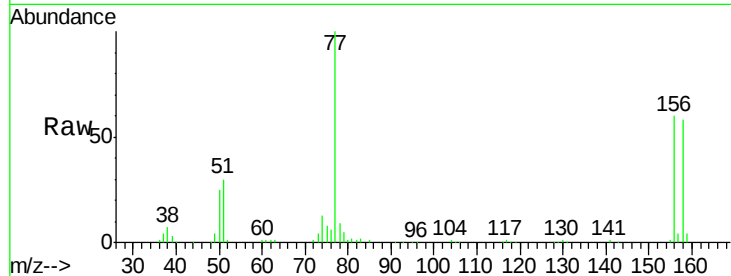
77 165.8 86.0 258.0

158 97.5 49.8 149.3

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#78

n-propylbenzene

Concen: 45.632 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VV009260.D

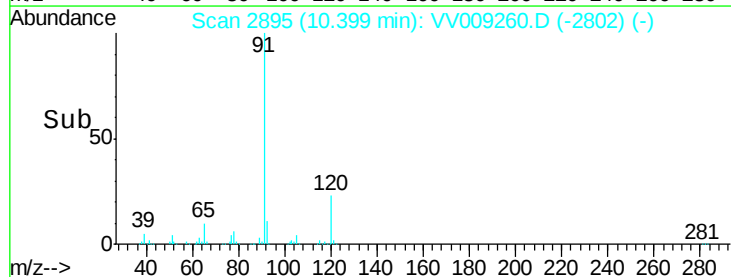
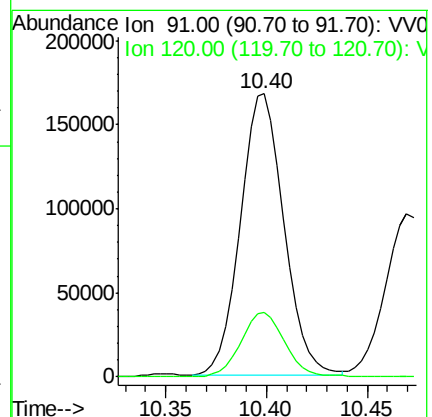
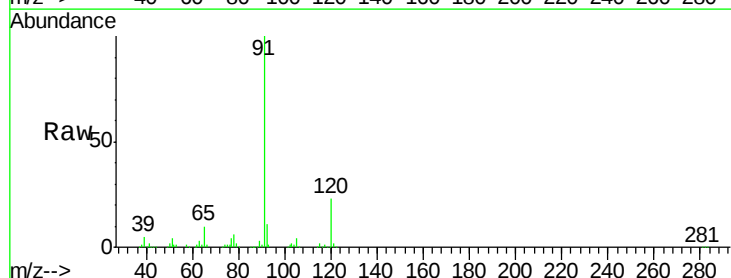
Acq: 24 Jan 2019 15:11

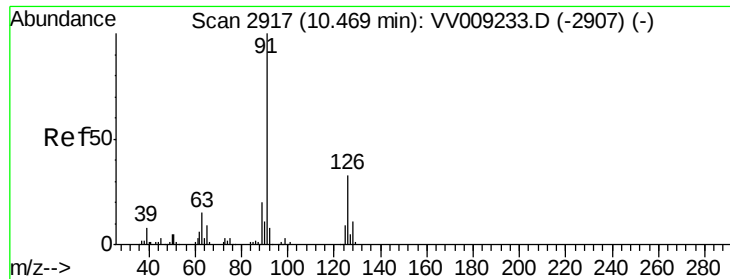
Tgt Ion: 91 Resp: 253778

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 45.155 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

ClientSampleId :

ICVV012419

Tot Ion: 91 Resp: 151356

Ion Ratio Lower Upper

91 100

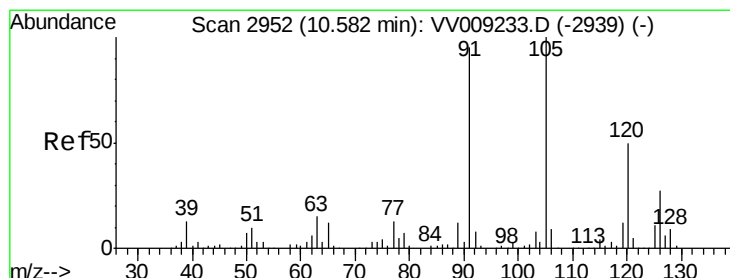
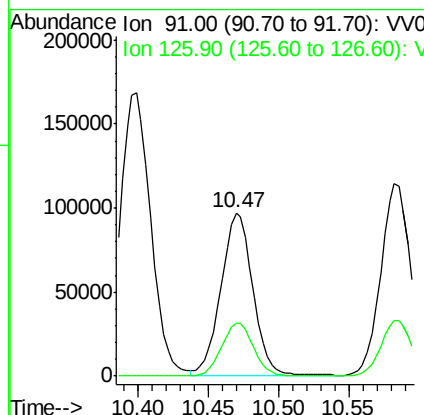
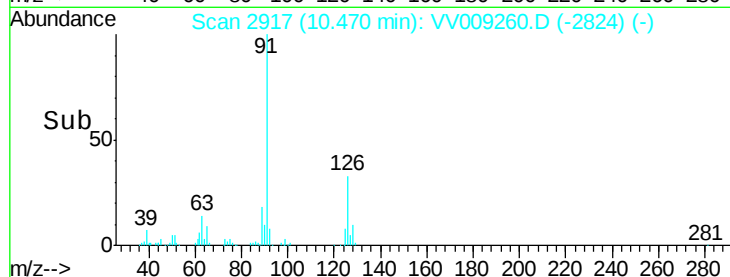
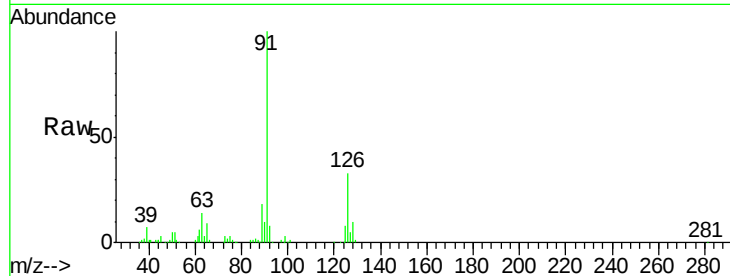
126 33.2 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 45.560 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VV009260.D

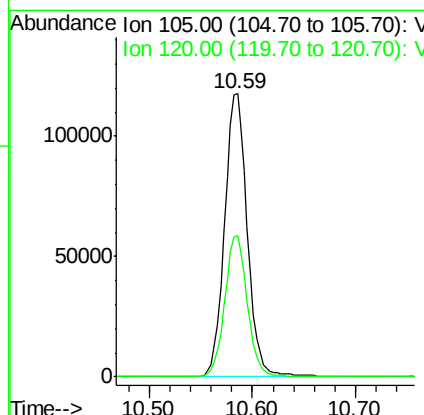
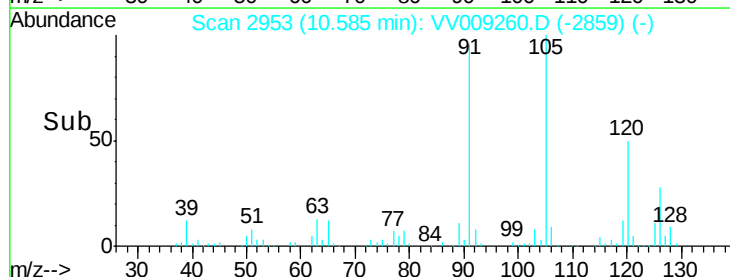
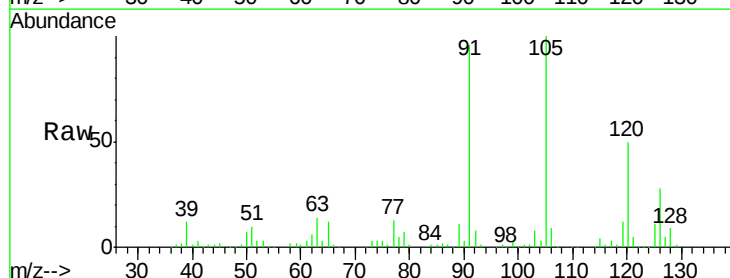
Acq: 24 Jan 2019 15:11

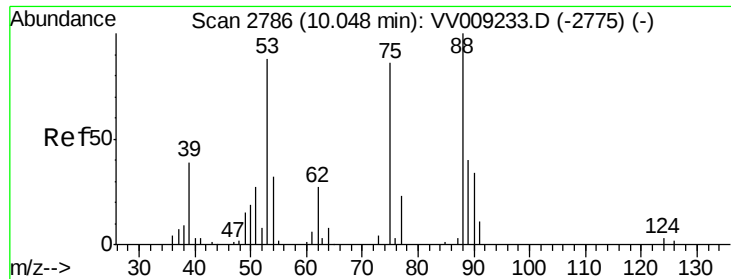
Tgt Ion: 105 Resp: 180141

Ion Ratio Lower Upper

105 100

120 49.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.459 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

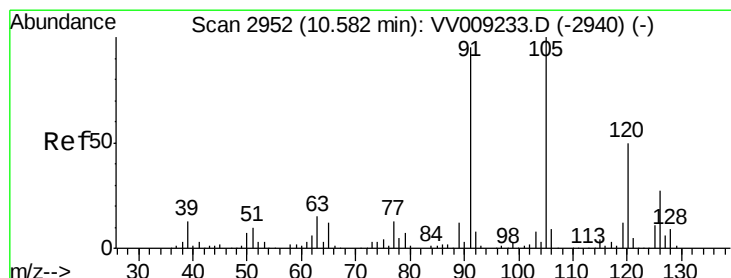
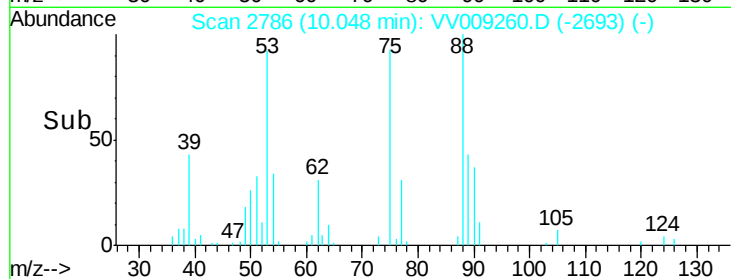
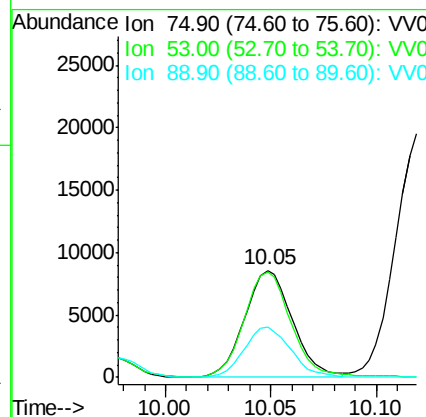
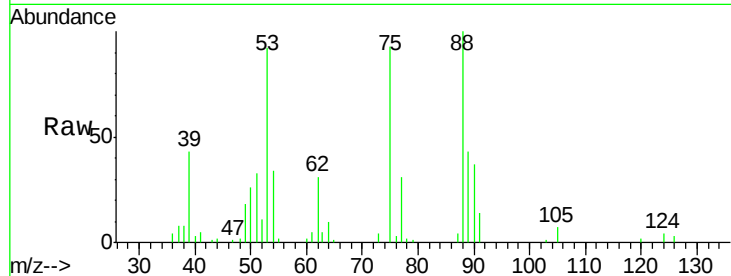
ClientSampleId :

ICVV012419

Tot Ion:	75	Resp:	13536
Ion	Ratio	Lower	Upper
75	100		
53	97.3	82.1	123.1
89	45.5	36.2	54.4

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#82

4-Chlorotoluene

Concen: 44.768 ug/l

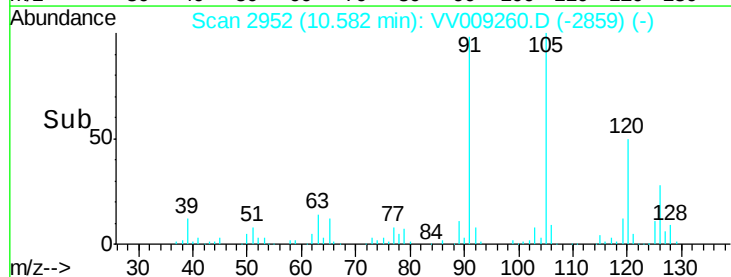
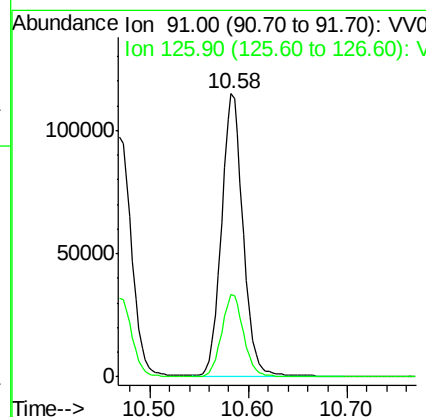
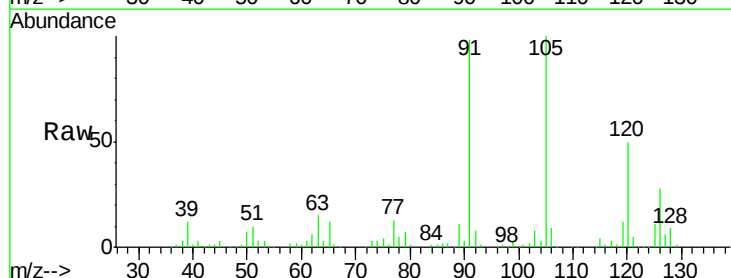
RT: 10.58 min Scan# 2952

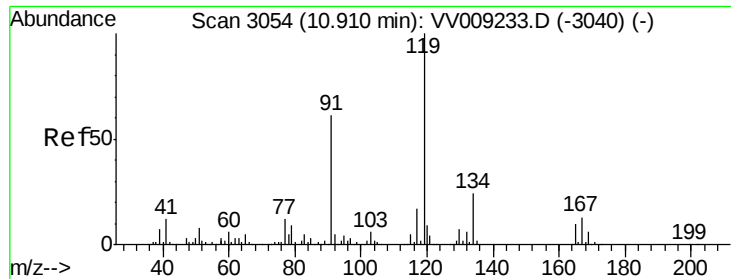
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	91	Resp:	177893
Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.3	42.9





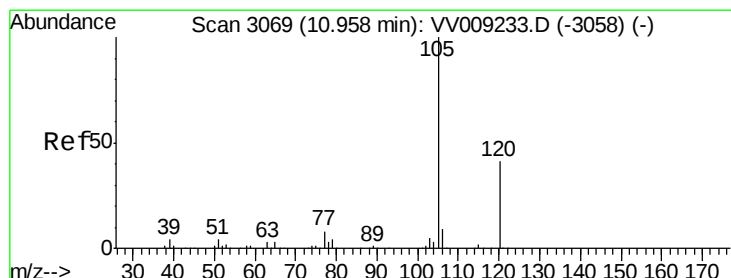
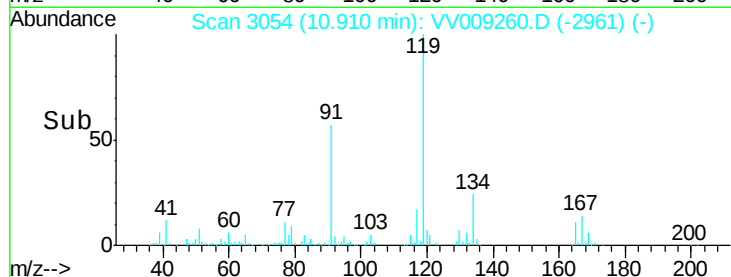
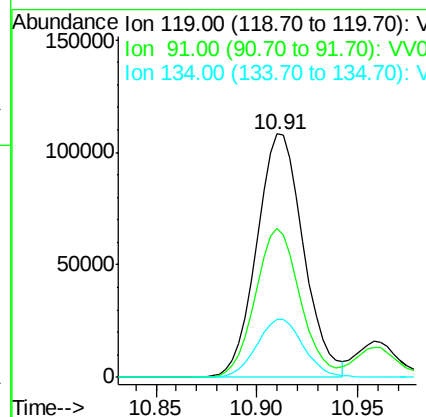
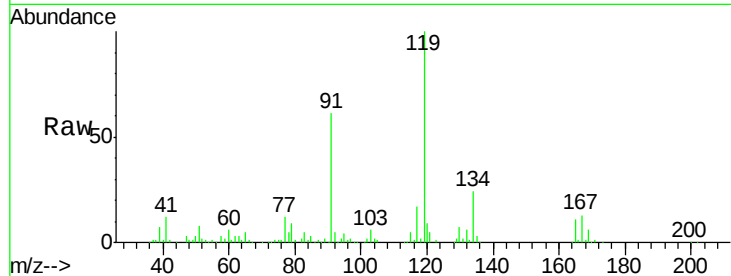
#83
 tert-Butylbenzene
 Concen: 45.885 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012419

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175162		
91	58.6	30.0	90.1	
134	24.1	11.9	35.7	

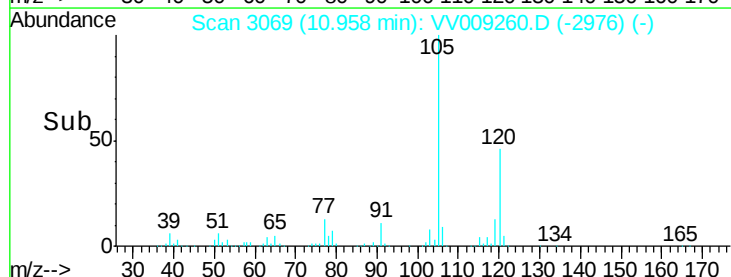
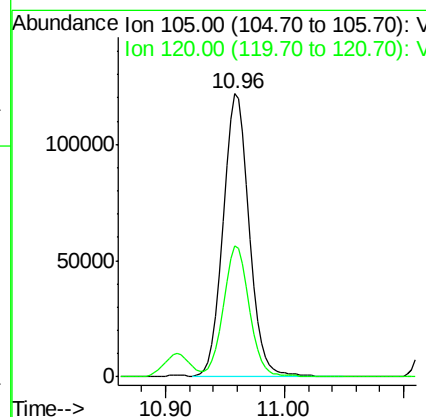
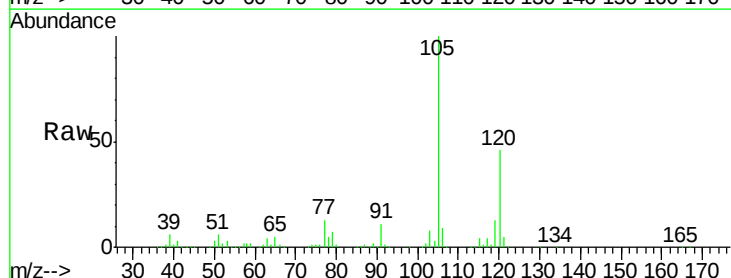
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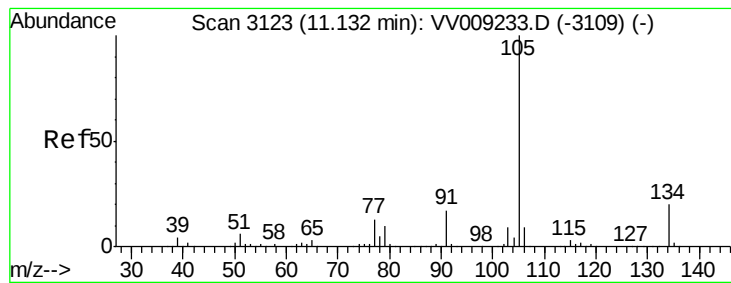
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.738 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185638		
120	46.3	22.6	67.7	





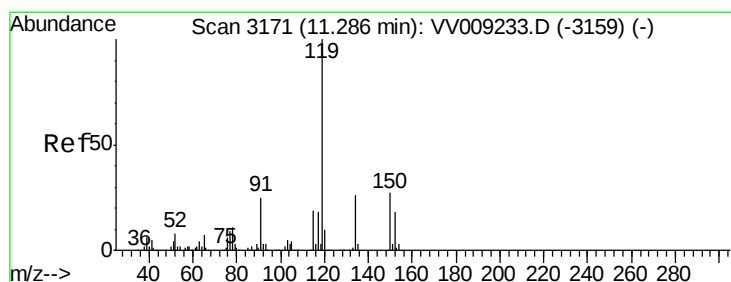
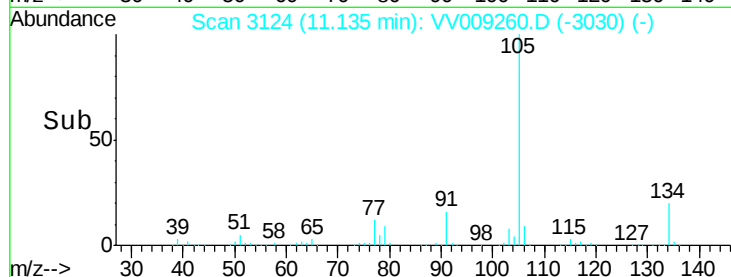
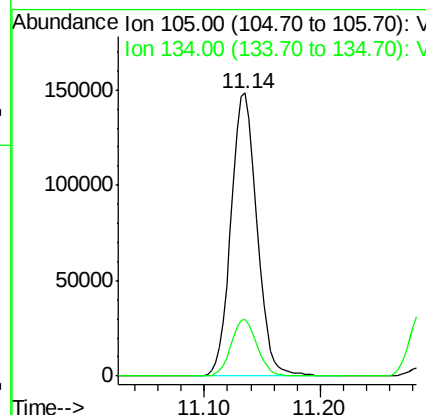
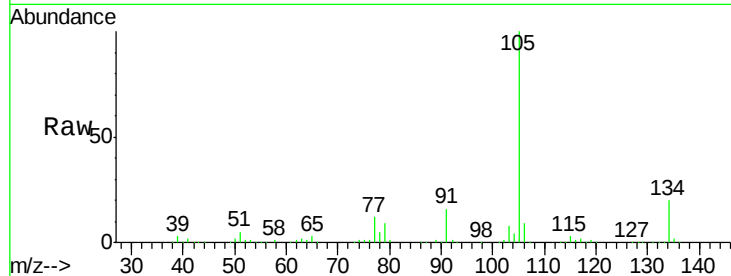
#85
 sec-Butylbenzene
 Concen: 46.152 ug/l
 RT: 11.14 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012419

Tot Ion:105 Resp: 229601
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.3

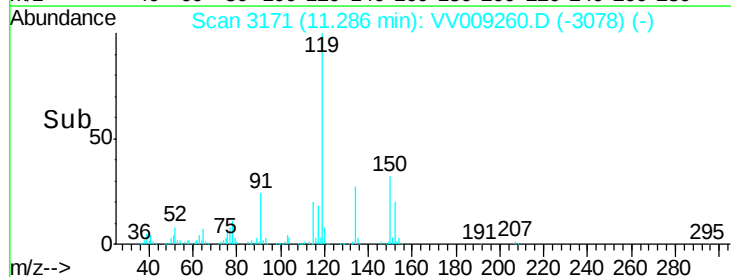
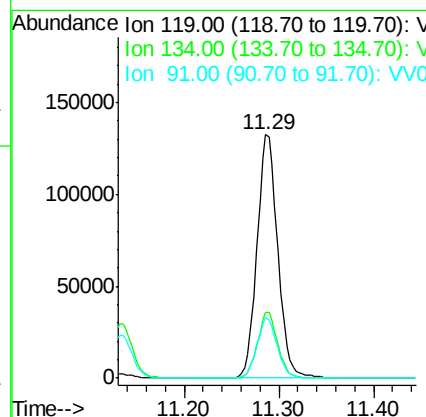
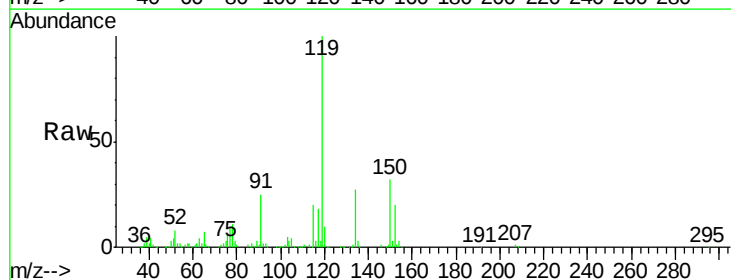
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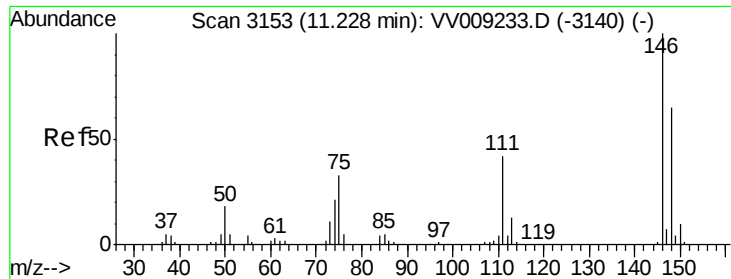
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#86
 p-Isopropyltoluene
 Concen: 46.001 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion:119 Resp: 201952
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.0 38.9
 91 24.3 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 44.858 ug/l

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

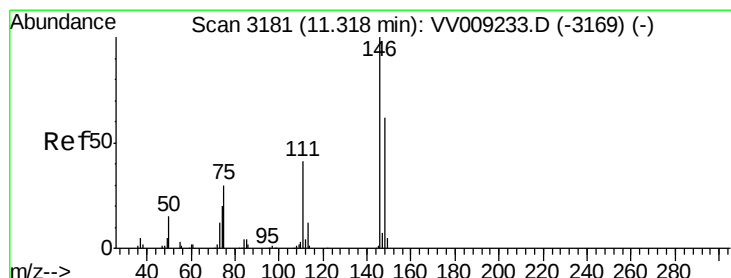
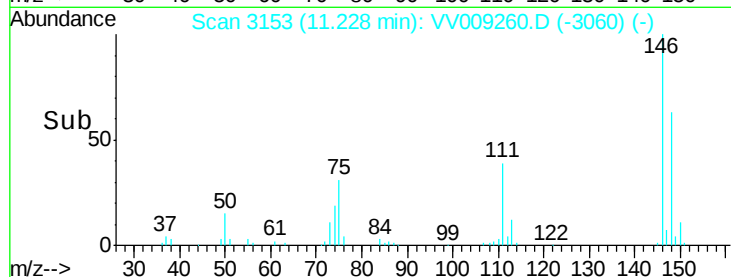
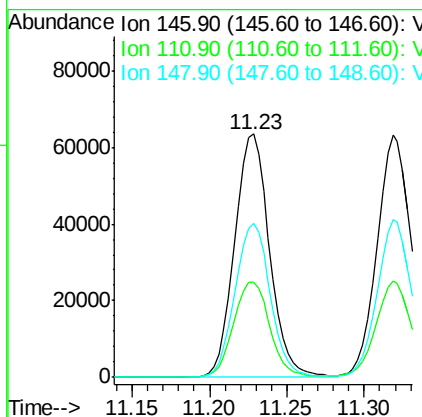
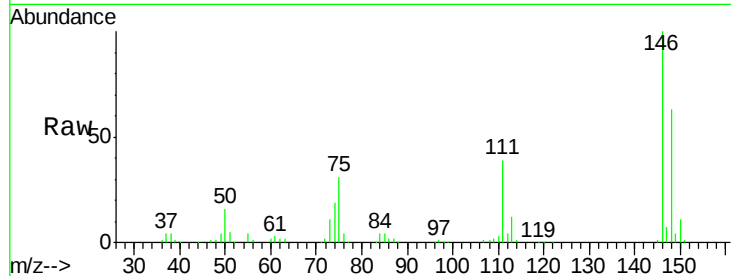
ClientSampleId :

ICVVV012419

Tot Ion:	146	Resp:	99637
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.1	63.4
148	64.0	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 44.189 ug/l

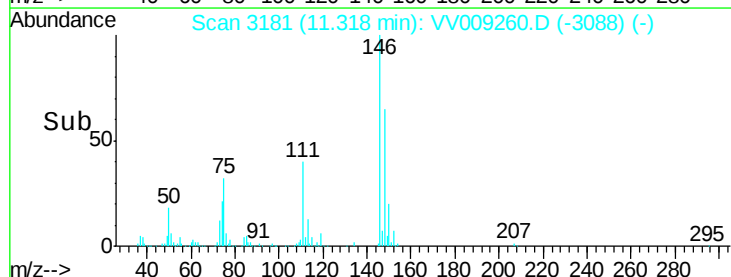
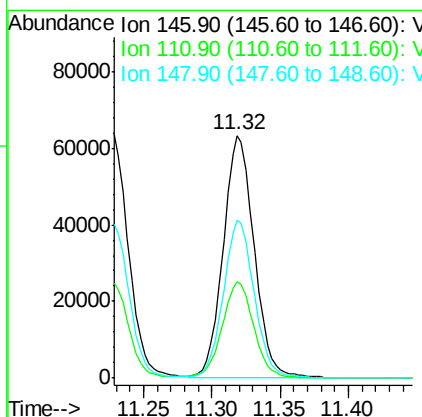
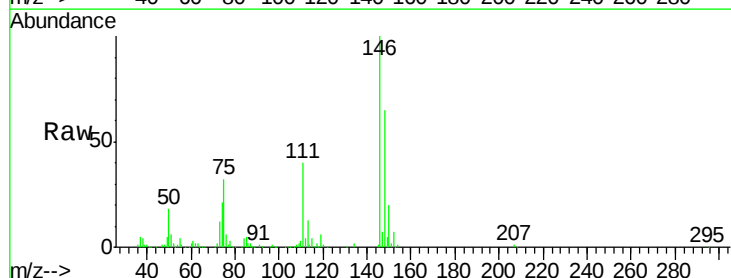
RT: 11.32 min Scan# 3181

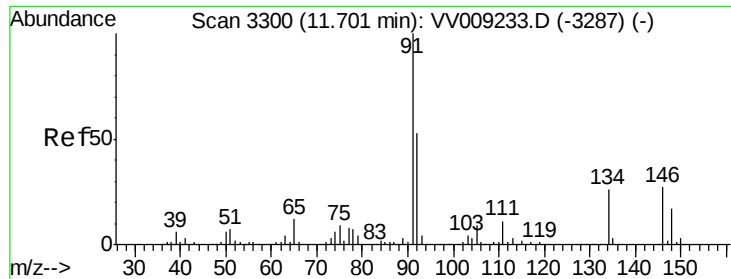
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	146	Resp:	100187
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.5	61.5
148	65.2	31.4	94.3





#89

n-Butylbenzene

Concen: 45.828 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Instrument :

MSVOA_V

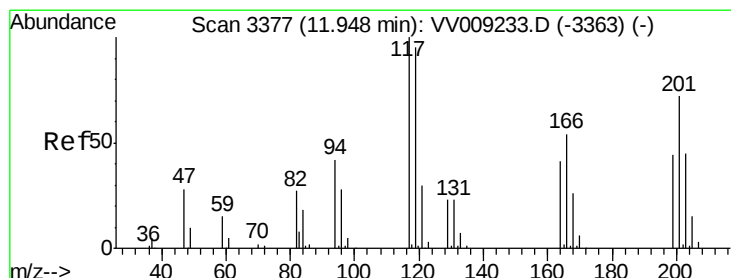
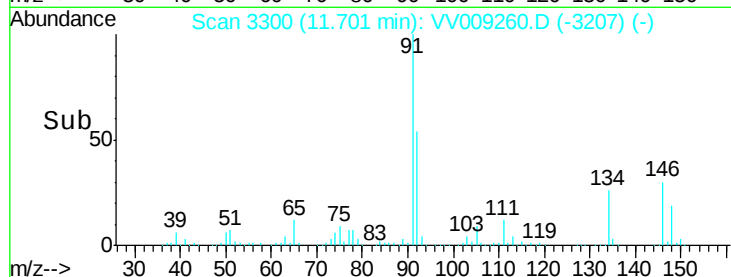
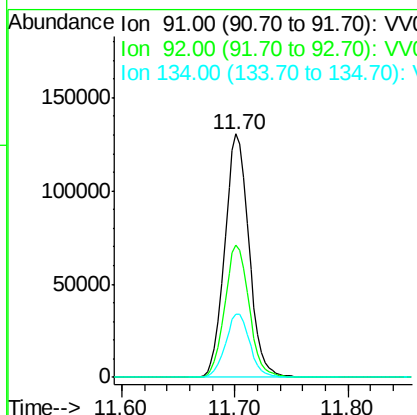
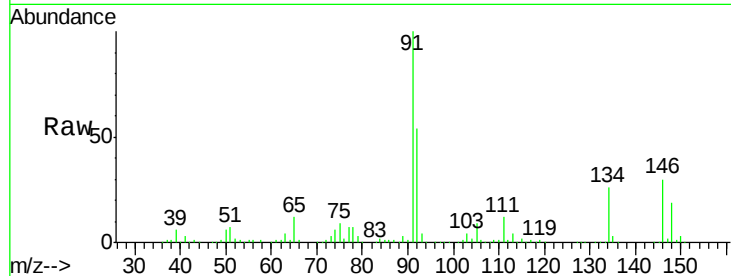
ClientSampleId :

ICVVV012419

Tot Ion:	91	Resp:	194835
Ion Ratio	Lower	Upper	
91	100		
92	54.5	27.2	81.5
134	26.2	12.6	37.8

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#90

Hexachloroethane

Concen: 45.537 ug/l

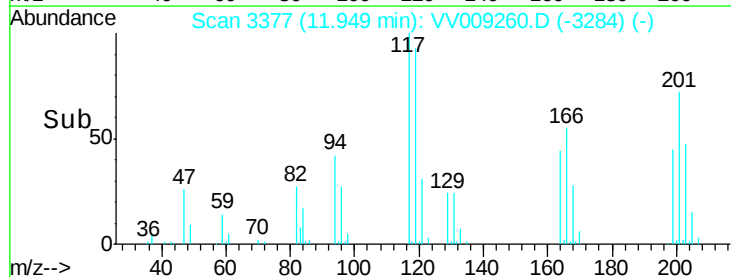
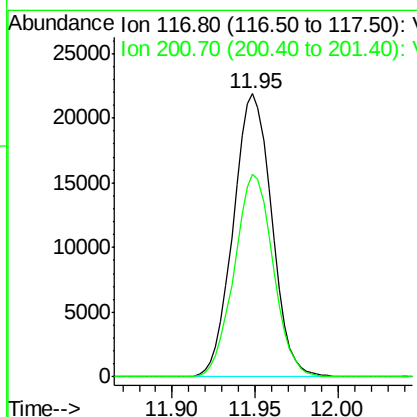
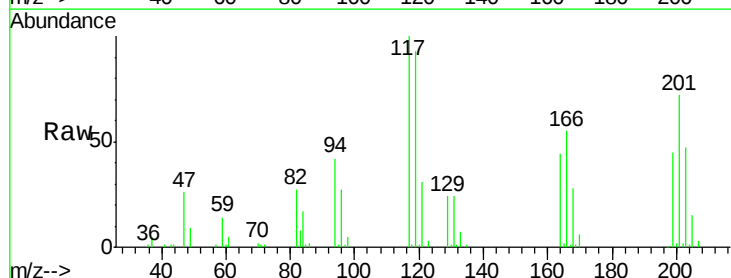
RT: 11.95 min Scan# 3377

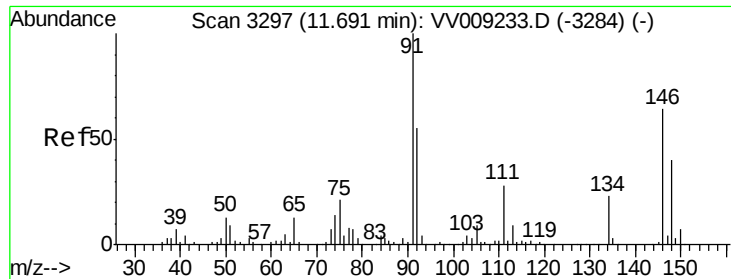
Delta R.T. 0.00 min

Lab File: VV009260.D

Acq: 24 Jan 2019 15:11

Tgt Ion:	117	Resp:	35361
Ion Ratio	Lower	Upper	
117	100		
201	71.9	35.2	105.6





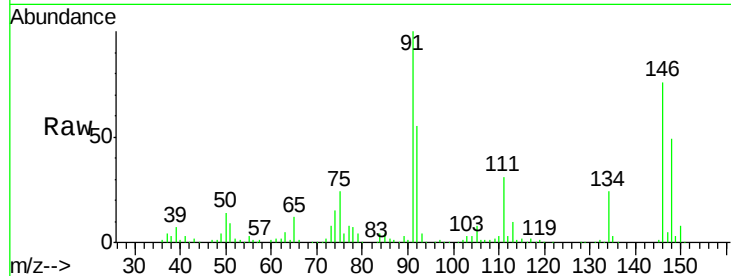
#91
 1,2-Dichlorobenzene
 Concen: 46.007 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012419

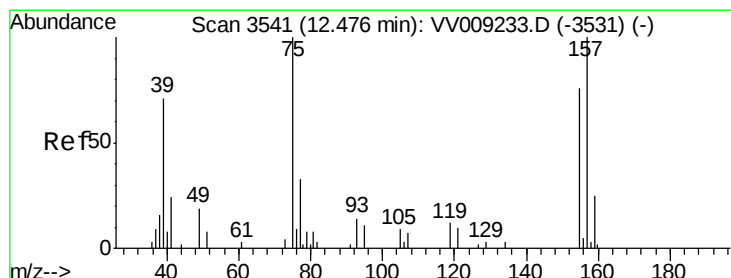
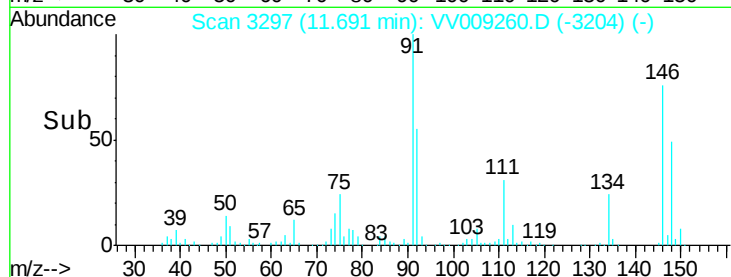
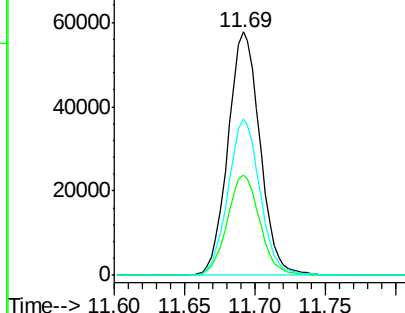
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.9	65.8
148	64.1	31.6	95.0

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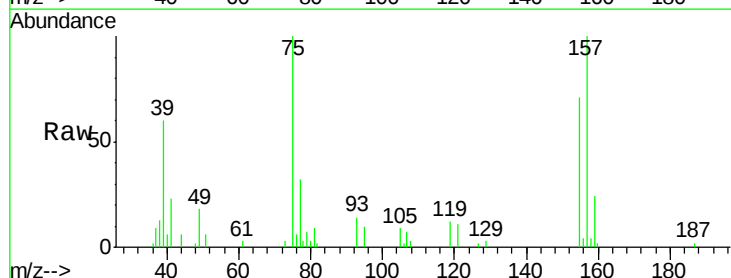


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

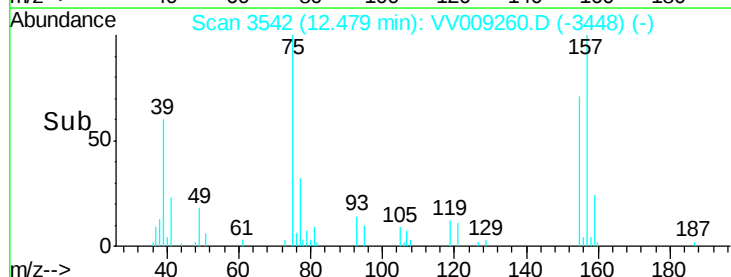
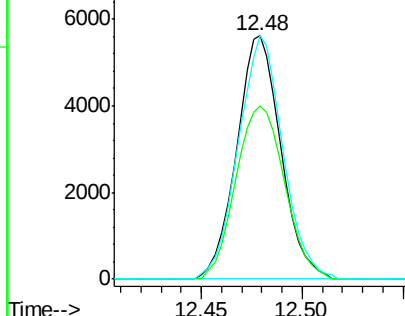


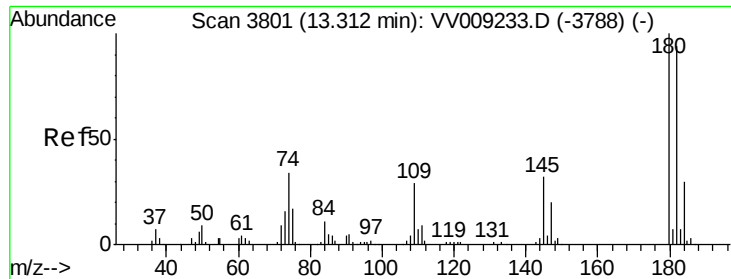
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.365 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.0	114.0
157	101.0	50.8	152.4



Abundance Ion 74.90 (74.60 to 75.60): VV0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





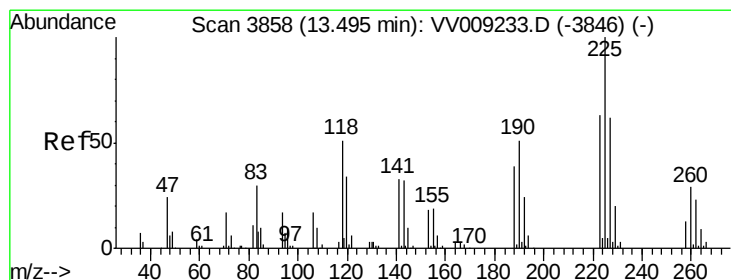
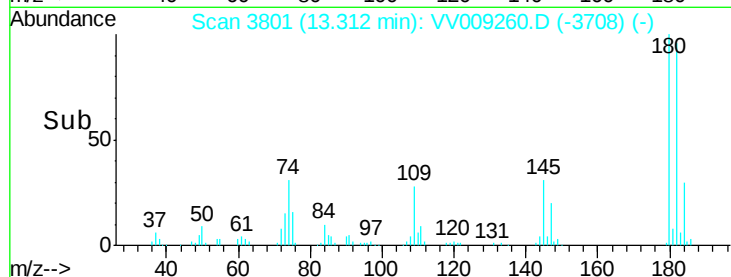
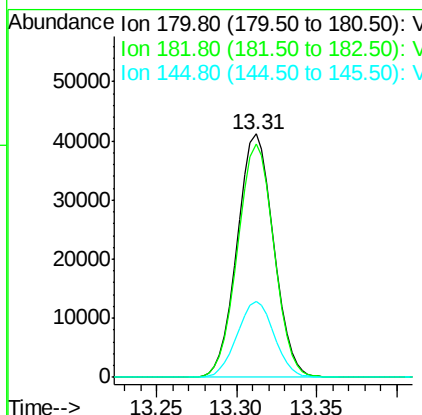
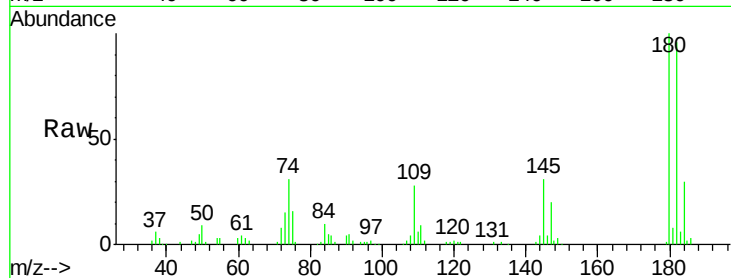
#93
 1,2,4-Trichlorobenzene
 Concen: 45.606 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Instrument :
 MSVOA_V
 ClientSampled :
 ICVV012419

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.4
145	31.8	16.0	48.0

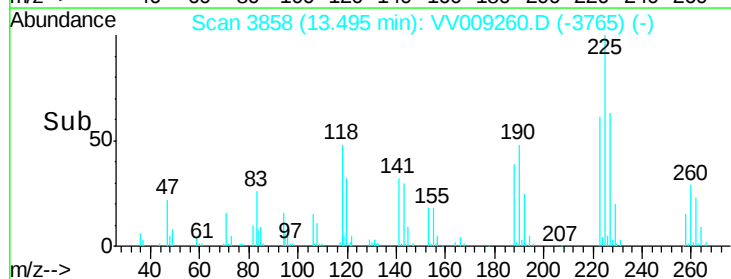
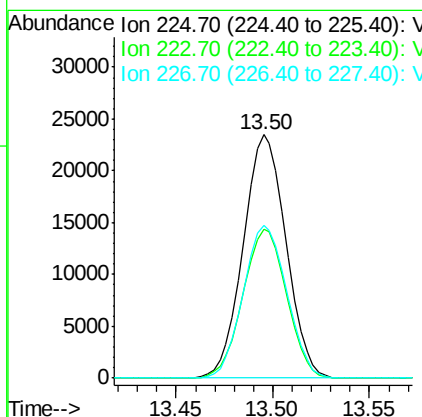
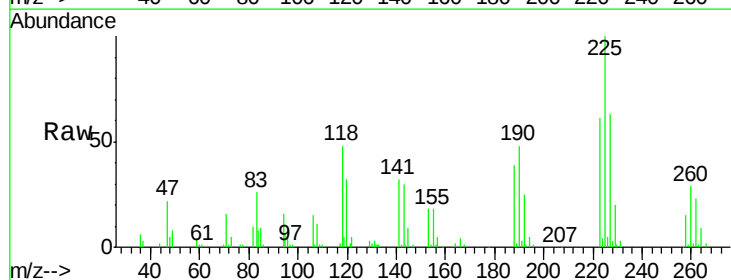
Manual Integrations
 APPROVED

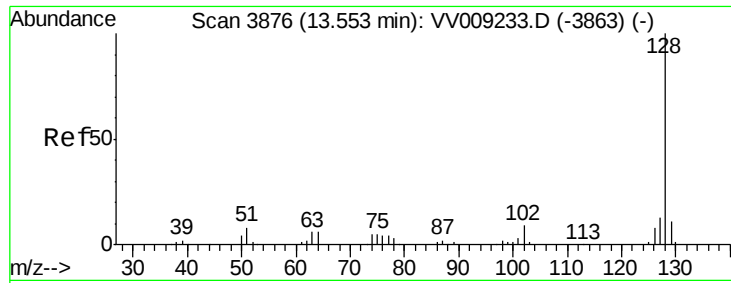
MMDadoda
 1/25/2019 10:01:37 AM



#94
 Hexachlorobutadiene
 Concen: 45.139 ug/l
 RT: 13.50 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VV009260.D
 Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	64.0	31.6	95.0





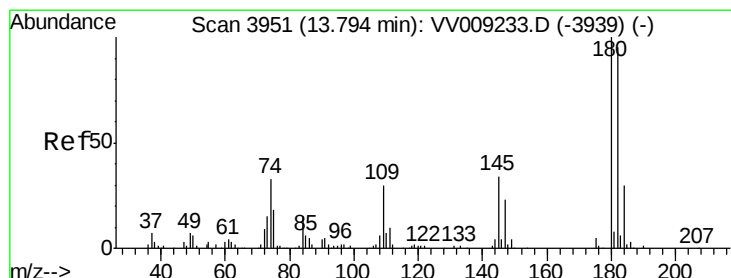
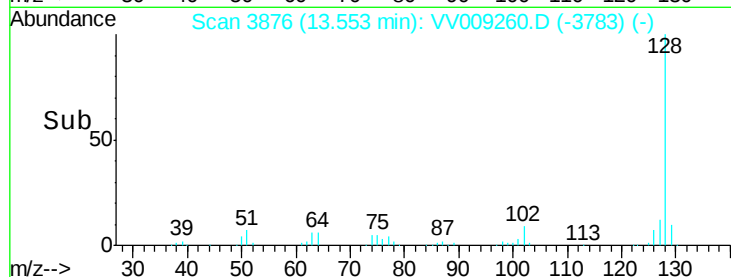
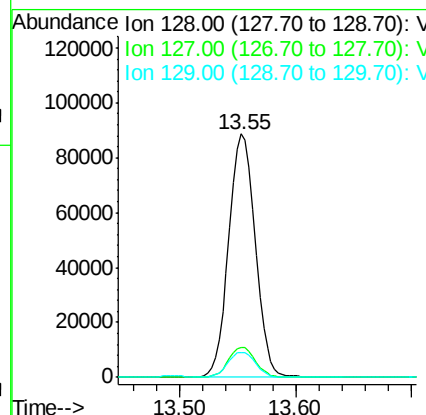
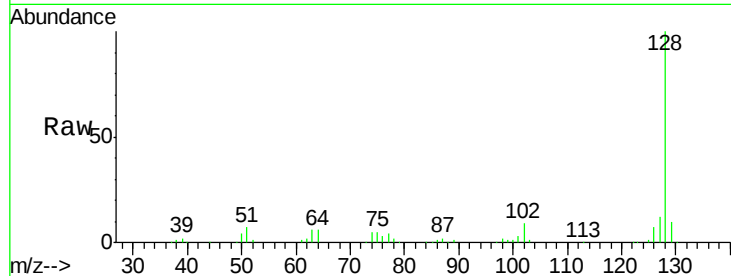
#95
Naphthalene
Concen: 50.201 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Instrument :
MSVOA_V
ClientSampleId :
ICVV012419

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:01:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.832 ug/l
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009260.D
Acq: 24 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	34.3	17.2	51.5

