

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033924.D
 Acq On : 14 Jun 2019 8:45
 Operator : SY/AP
 Sample : K3295-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V2

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:43 AM

Quant Time: Jun 16 18:27:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1013091	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2718311	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2852186	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2098879	8.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	232049	1.412	ppbv	100
3) Chlorodifluoromethane	3.00	51	50833m	0.426	ppbv	
4) Chloromethane	3.16	50	22298	0.328	ppbv	99
9) Propene	3.03	41	903220	20.240	ppbv	92
10) Heptane	8.24	43	558617	4.952	ppbv #	78
11) Trichlorofluoromethane	3.99	101	66106	0.312	ppbv	93
13) Ethanol	3.73	45	49288776m	3394.664	ppbv	
15) Acetone	3.89	43	22018941	149.023	ppbv #	57
17) tert-Butyl alcohol	4.47	59	1489900m	12.899	ppbv	
25) Ethyl Acetate	5.76	43	4098771	18.215	ppbv #	90
27) Carbon Disulfide	4.61	76	257660	1.810	ppbv	97
29) Chloroform	5.85	83	22568	0.129	ppbv	93
30) Cyclohexane	7.23	84	192653	2.661	ppbv	97
34) 2-Butanone	5.32	43	9645431	62.897	ppbv	93
35) Carbon Tetrachloride	7.12	117	8614m	0.041	ppbv	
36) Benzene	7.00	78	581206	2.799	ppbv	98
38) Trichloroethene	7.95	130	29846	0.369	ppbv #	86
39) 1,2-Dichloropropane	7.73	63	24981	0.312	ppbv	96
41) Tetrahydrofuran	6.14	42	167760	2.155	ppbv	92
44) 2,2,4-Trimethylpentane	7.98	57	518378	1.404	ppbv #	87
50) 4-Methyl-2-Pentanone	8.88	43	470800m	2.059	ppbv	
51) 2-Hexanone	10.27	43	2394697	13.410	ppbv #	99
52) Tetrachloroethene	11.36	164	1416779	19.391	ppbv	95
53) Toluene	9.94	91	16697870	72.667	ppbv	89
58) Ethyl Benzene	12.86	91	1341012	4.170	ppbv	97
59) m/p-Xylene	13.11	91	3756459	12.846	ppbv	95
60) o-Xylene	13.84	91	1574127	5.214	ppbv	98
61) Styrene	13.68	104	423381	2.167	ppbv	98
62) Isopropylbenzene	14.81	105	115268	0.283	ppbv	96
64) n-propylbenzene	15.71	120	121080	1.162	ppbv	91
72) 4-Ethyltoluene	15.99	105	692279	2.015	ppbv	96
73) 1,3,5-Trimethylbenzene	16.15	105	619242	1.830	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	2262218	5.800	ppbv #	76
79) Naphthalene	22.41	128	258621	0.829	ppbv	99

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

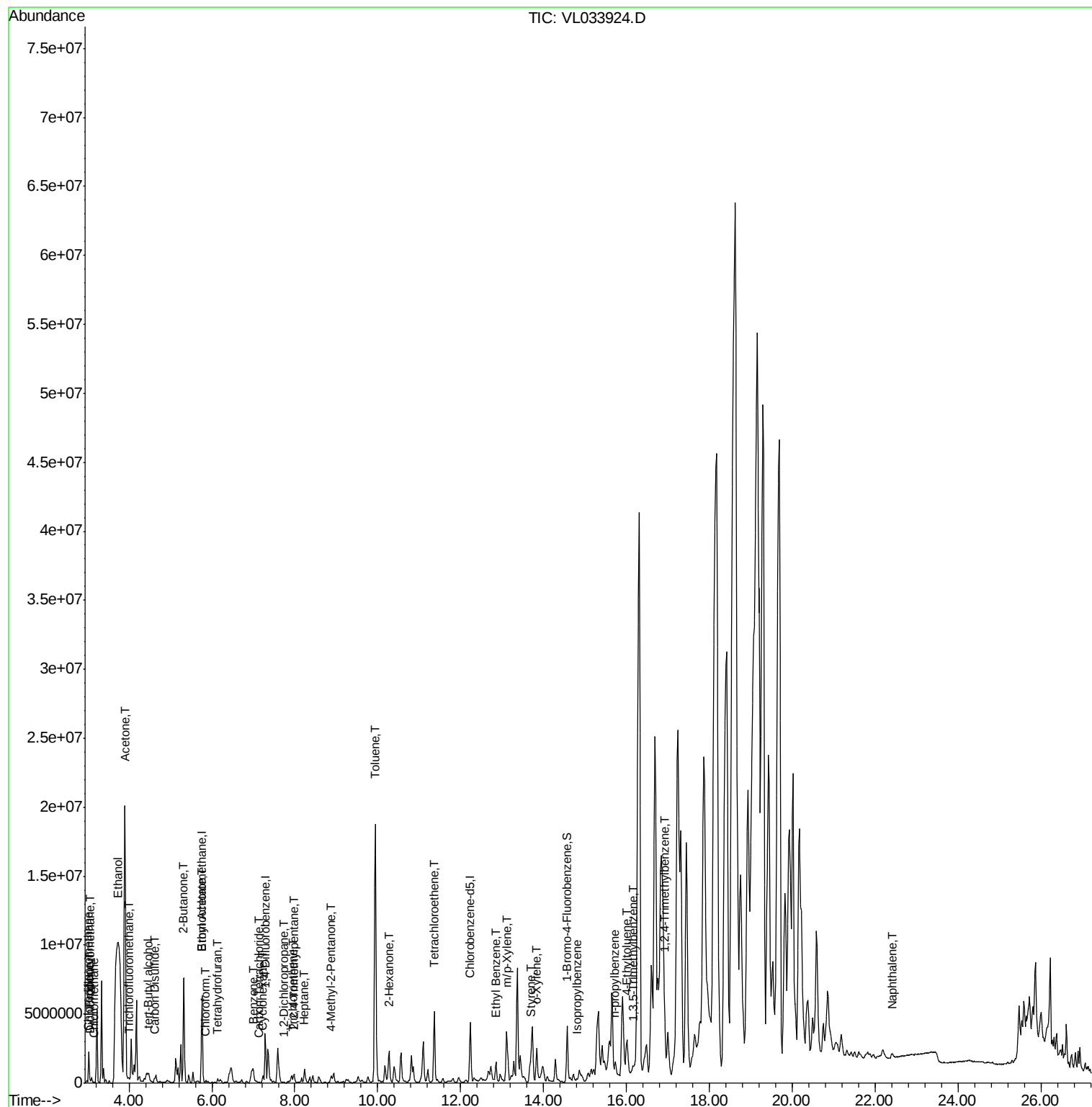
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033924.D
Acq On : 14 Jun 2019 8:45
Operator : SY/AP
Sample : K3295-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

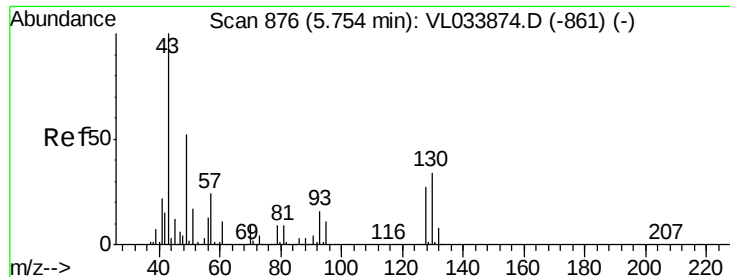
Instrument :
MSVOA_L
ClientSampleId :
V2

Manual Integrations
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6/17/2019 12:37:43 AM

Quant Time: Jun 16 18:27:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

ClientSampled :

V2

Tot Ion: 49 Resp: 1013091

Ion Ratio Lower Upper

49 100

128 53.7 25.5 76.5

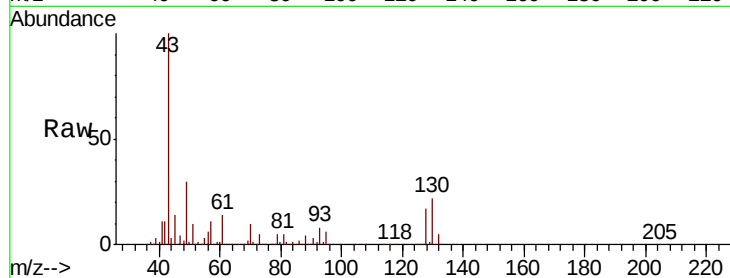
130 69.3 32.5 97.4

Manual Integrations

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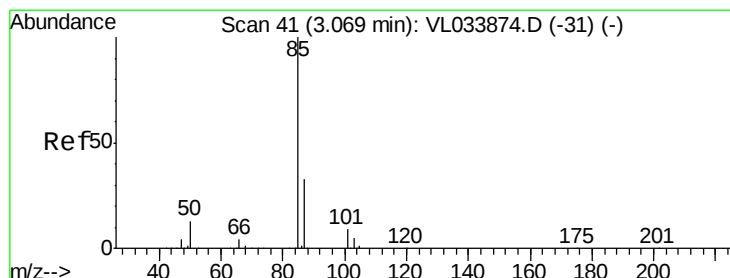
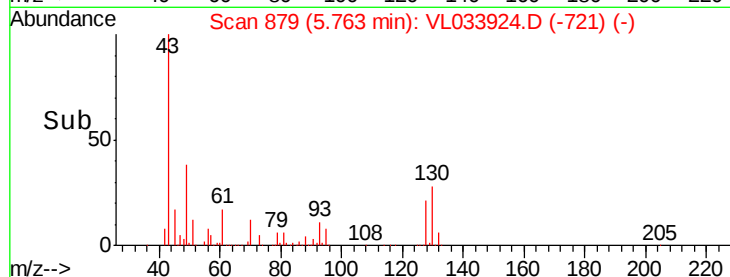
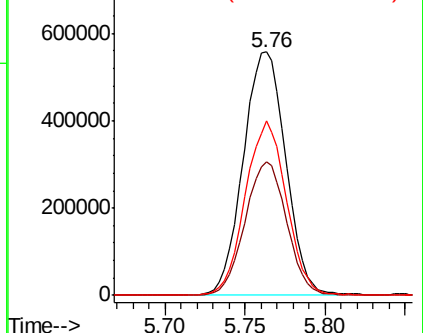
6/17/2019 12:37:43 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.412 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033924.D

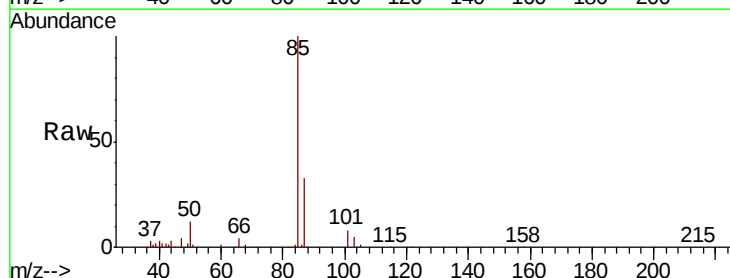
Acq: 14 Jun 2019 8:45

Tgt Ion: 85 Resp: 232049

Ion Ratio Lower Upper

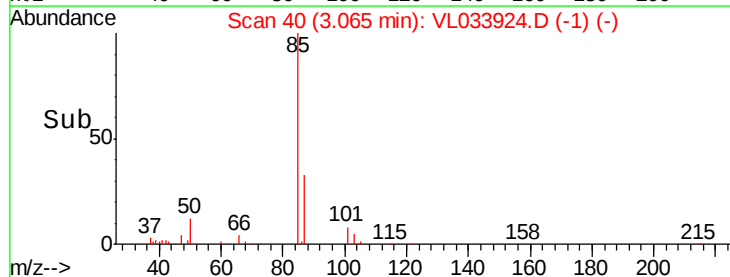
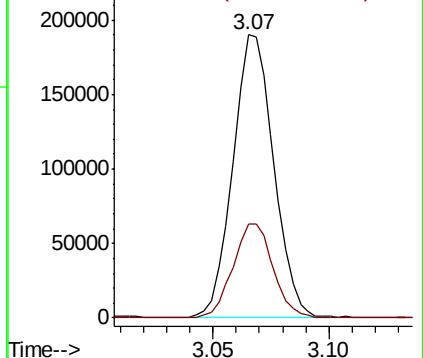
85 100

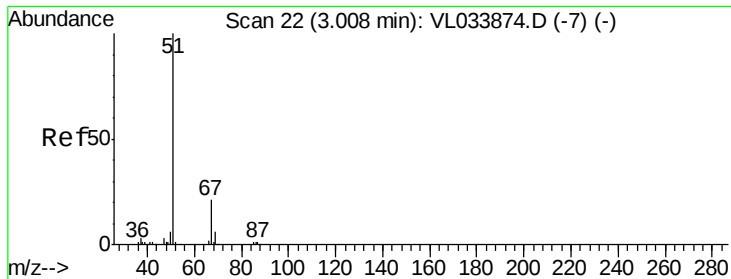
87 33.1 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





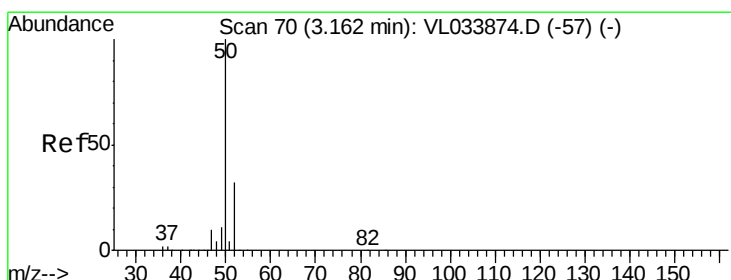
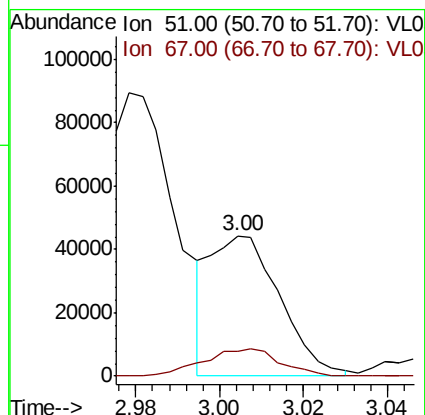
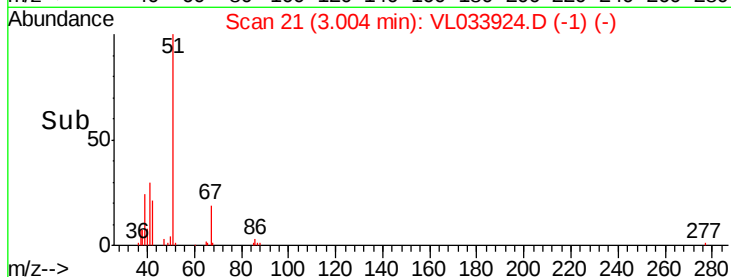
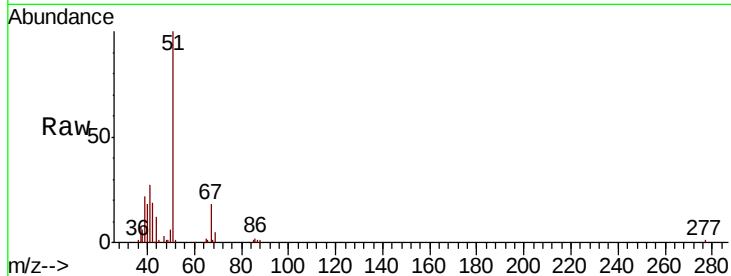
#3
Chlorodifluoromethane
Concen: 0.426 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion: 51 Resp: 50833
Ion Ratio Lower Upper
51 100
67 21.7 16.4 24.6

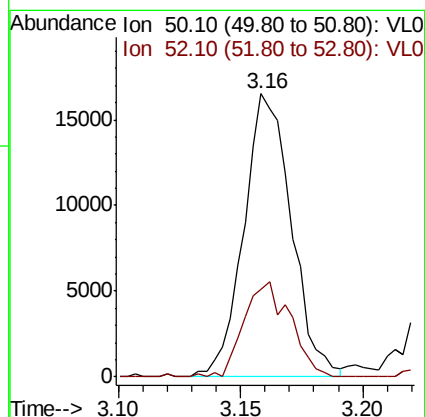
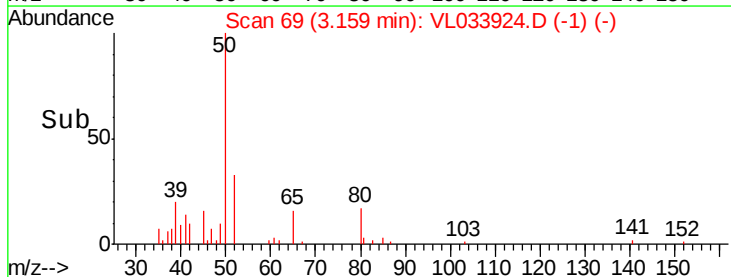
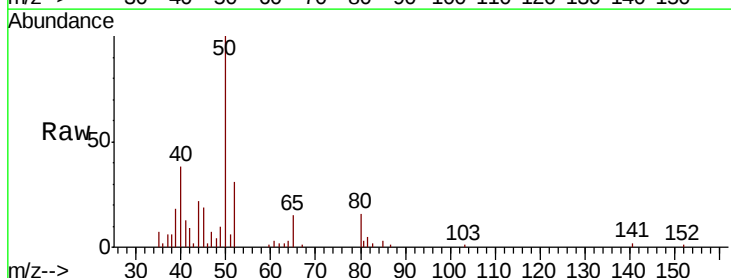
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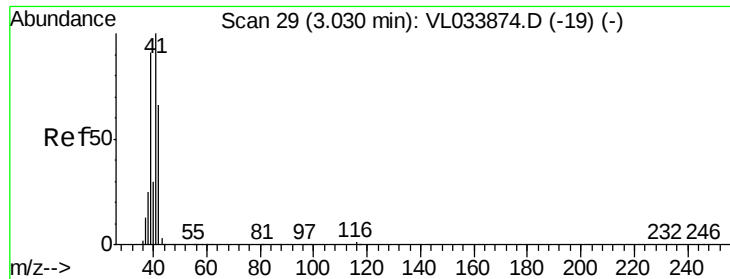
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#4
Chloromethane
Concen: 0.328 ppbv
RT: 3.16 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion: 50 Resp: 22298
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.0





#9

Propene

Concen: 20.240 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

ClientSampleId :

V2

Tot Ion: 41 Resp: 903220

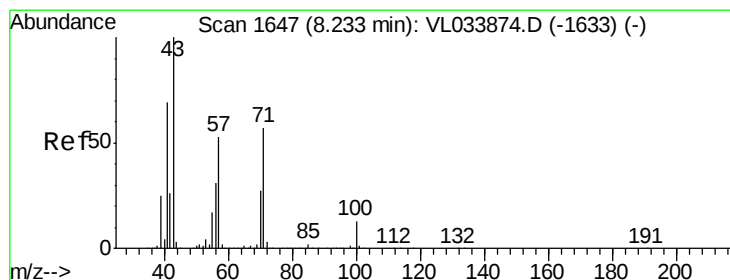
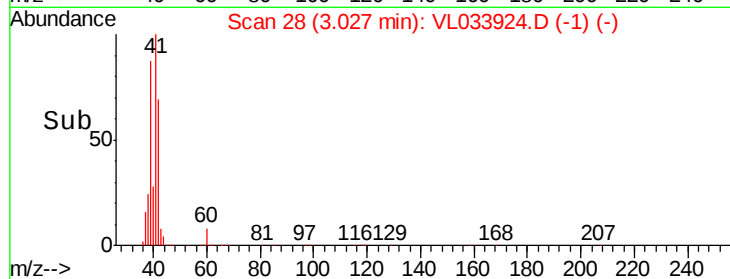
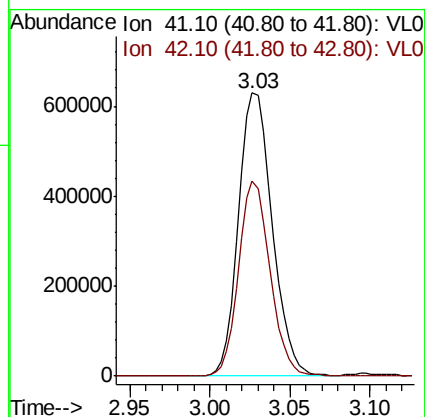
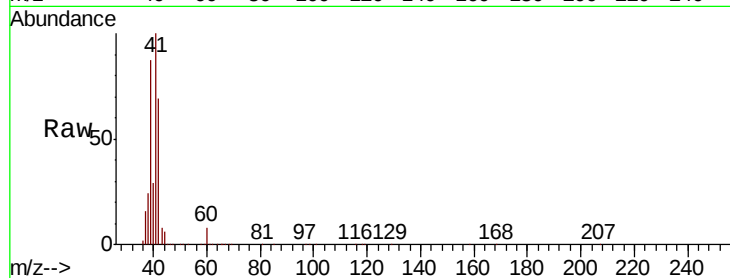
Ion Ratio Lower Upper

41 100

42 64.1 56.3 84.5

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#10

Heptane

Concen: 4.952 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VL033924.D

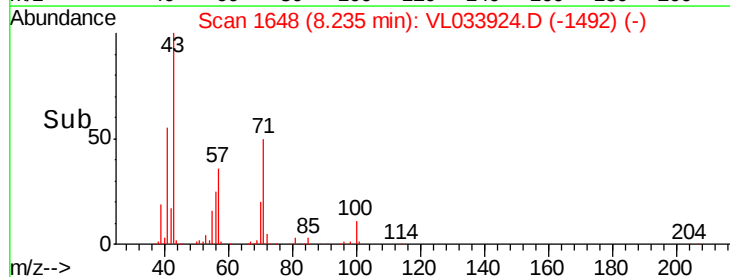
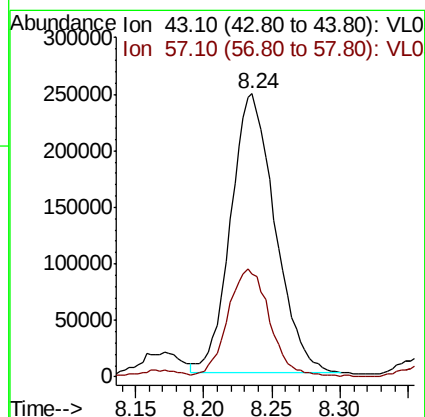
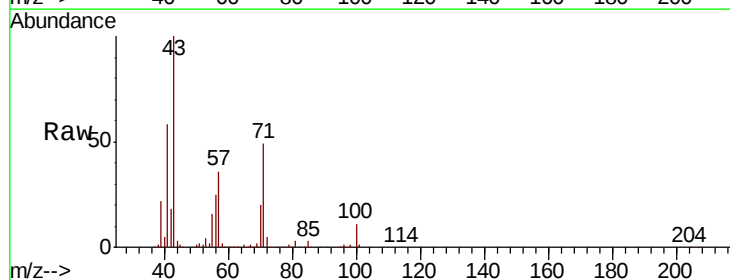
Acq: 14 Jun 2019 8:45

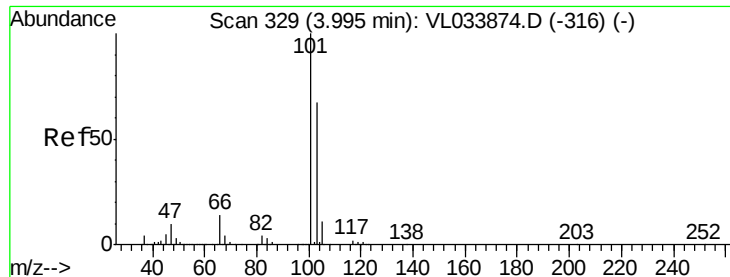
Tgt Ion: 43 Resp: 558617

Ion Ratio Lower Upper

43 100

57 36.7 41.7 62.5#





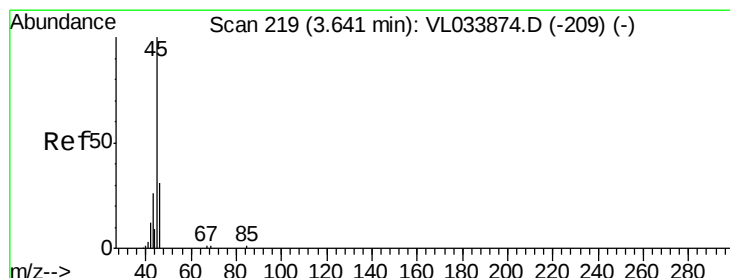
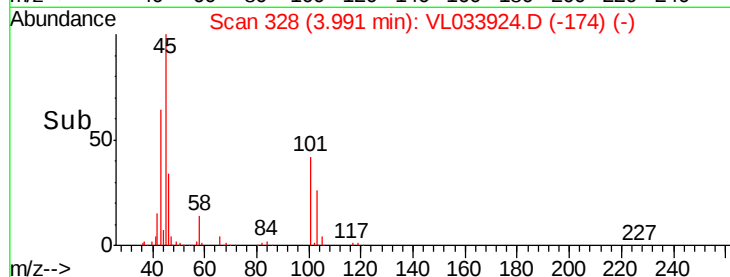
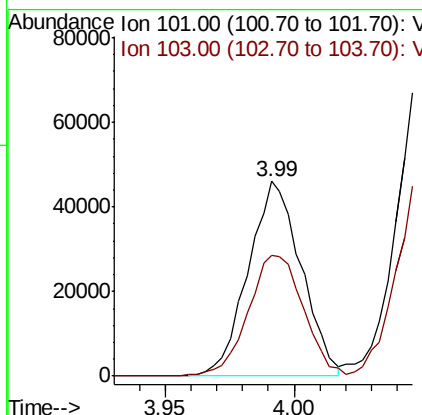
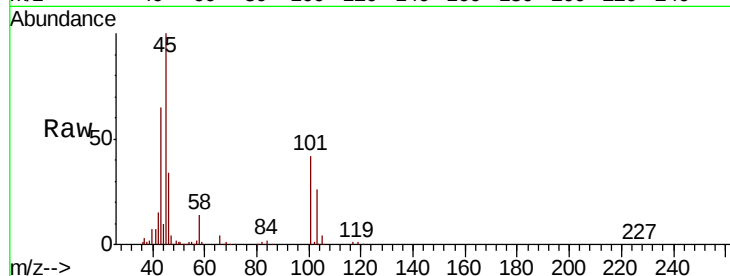
#11
Trichlorofluoromethane
Concen: 0.312 ppbv
RT: 3.99 min Scan# 328
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.6	80.4

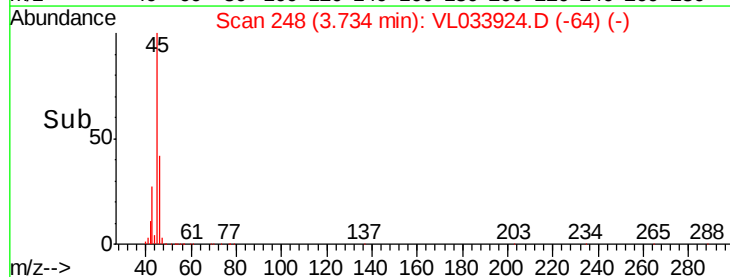
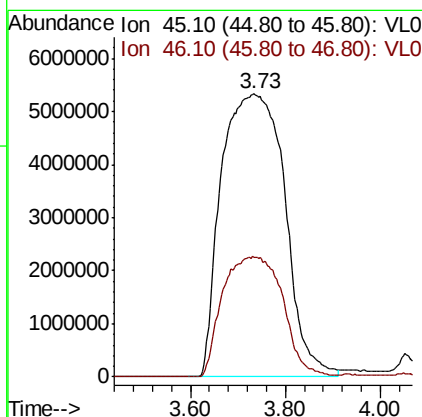
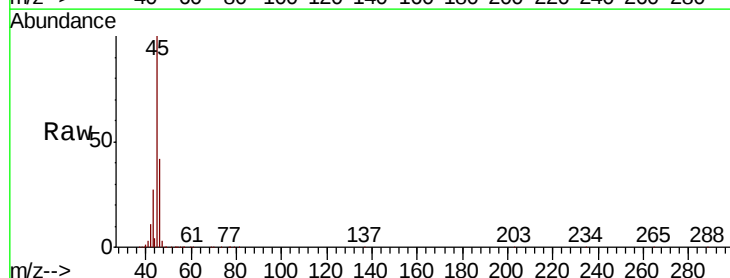
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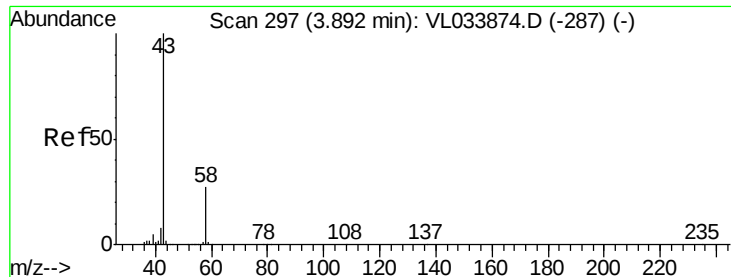
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#13
Ethanol
Concen: 3394.664 ppbv m
RT: 3.73 min Scan# 248
Delta R.T. 0.09 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
45	100		
46	40.3	15.3	61.1





#15

Acetone

Concen: 149.023 ppbv

RT: 3.89 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

ClientSampleId :

V2

Tot Ion: 43 Resp: 22018941

Ion Ratio Lower Upper

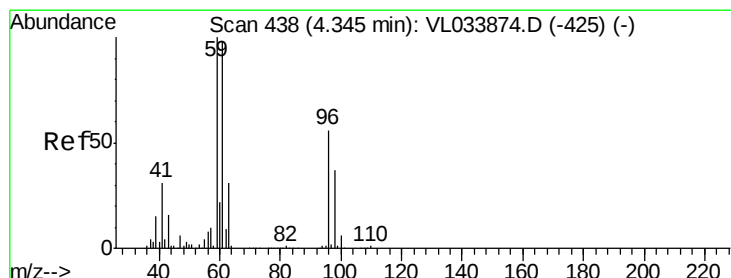
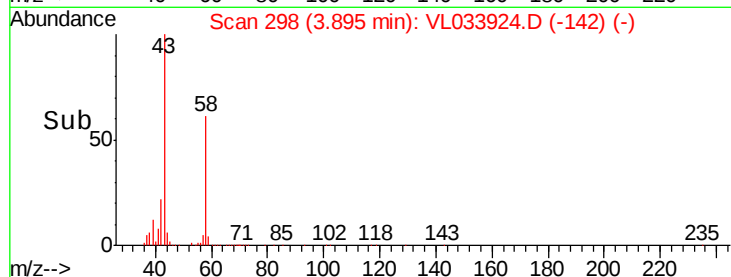
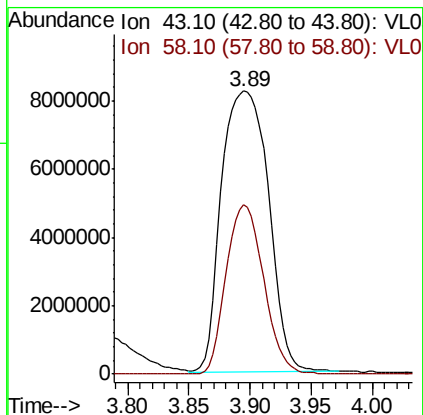
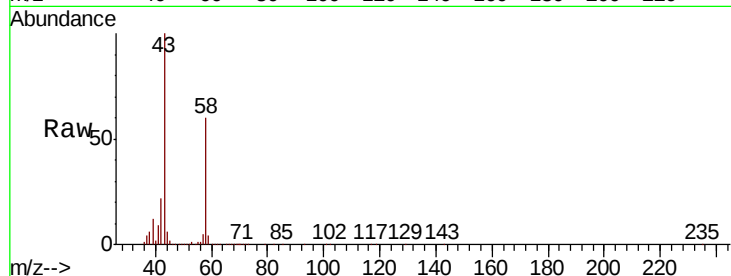
43 100

58 48.8 21.3 31.9#

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#17

tert-Butyl alcohol

Concen: 12.899 ppbv m

RT: 4.47 min Scan# 476

Delta R.T. 0.12 min

Lab File: VL033924.D

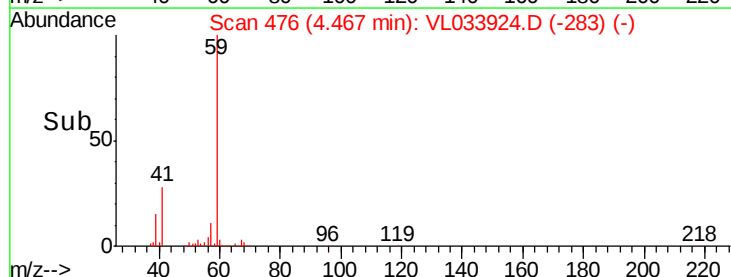
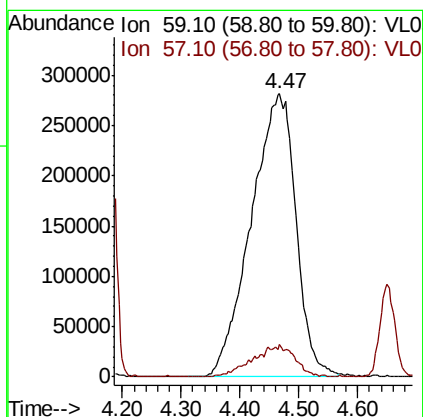
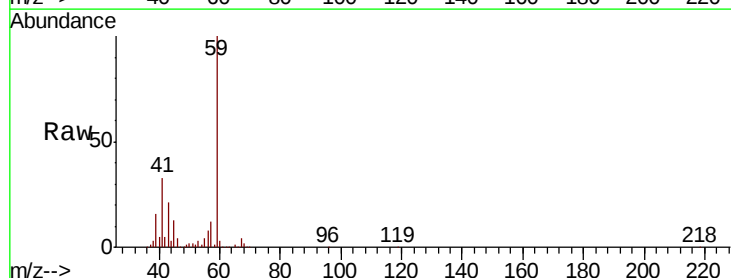
Acq: 14 Jun 2019 8:45

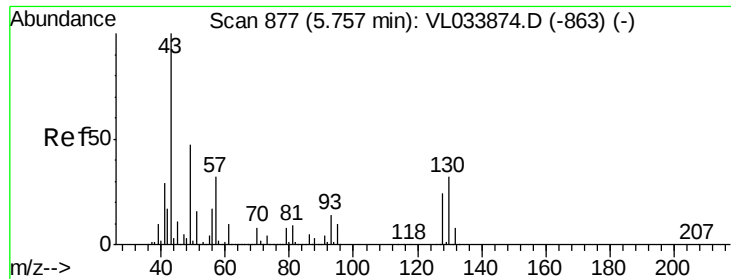
Tgt Ion: 59 Resp: 1489900

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





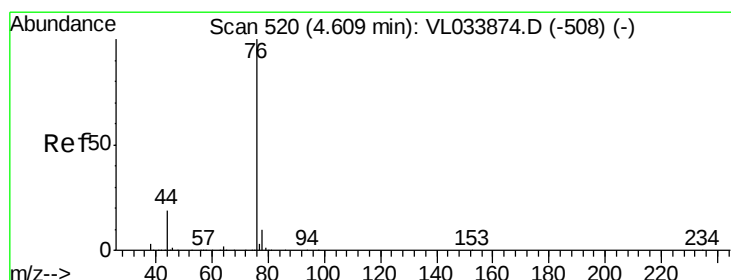
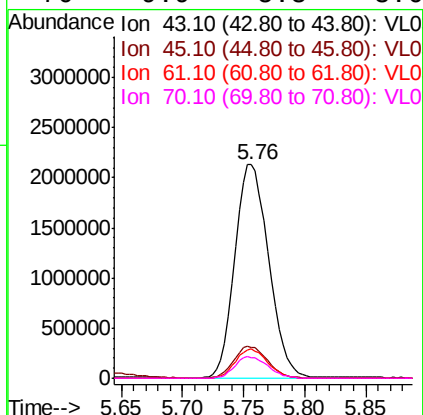
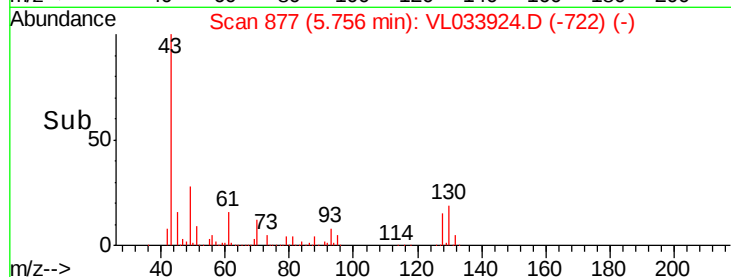
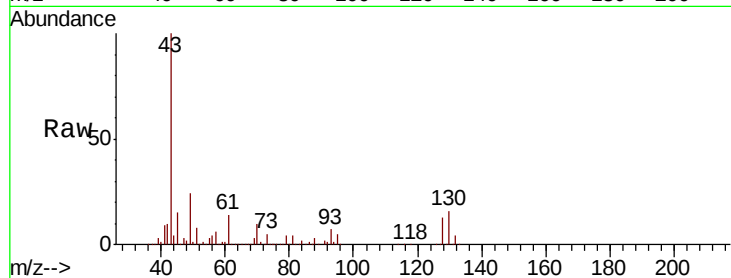
#25
Ethyl Acetate
Concen: 18.215 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampleId :
V2

Tot Ion	43	Resp	4098771
Ion	Ratio	Lower	Upper
43	100		
45	14.7	7.9	11.9#
61	13.0	7.8	11.6#
70	9.9	5.8	8.6#

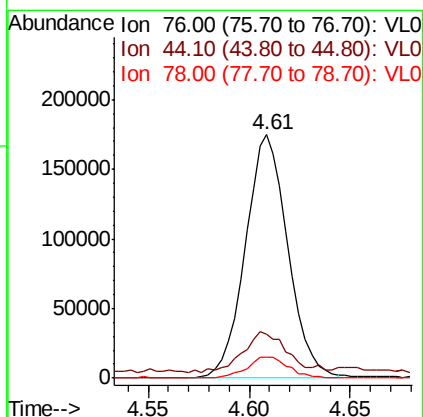
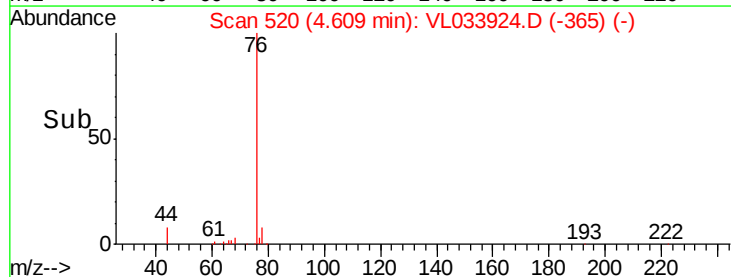
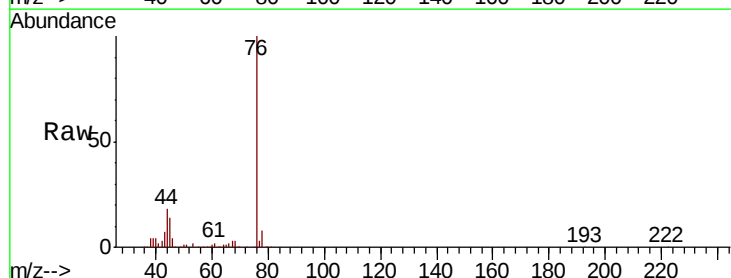
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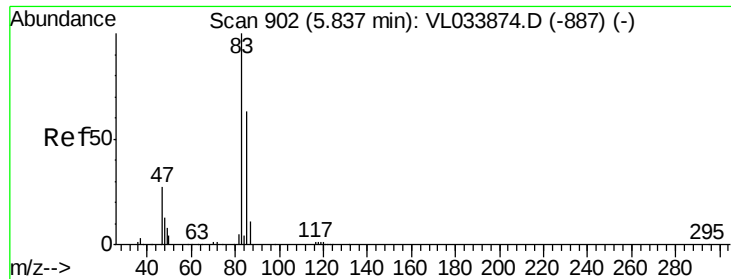
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#27
Carbon Disulfide
Concen: 1.810 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	76	Resp	257660
Ion	Ratio	Lower	Upper
76	100		
44	19.8	14.4	21.6
78	8.7	7.5	11.3





#29

Chloroform

Concen: 0.129 ppbv

RT: 5.85 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

ClientSampled :

V2

Tot Ion: 83 Resp: 22568

Ion Ratio Lower Upper

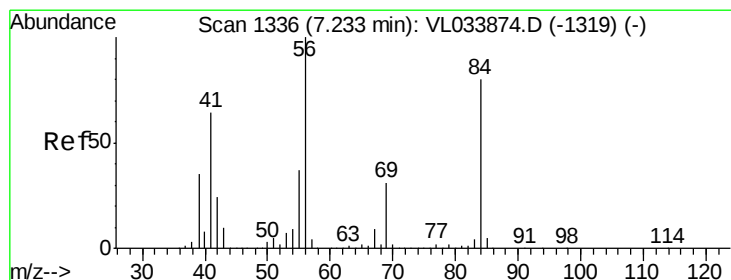
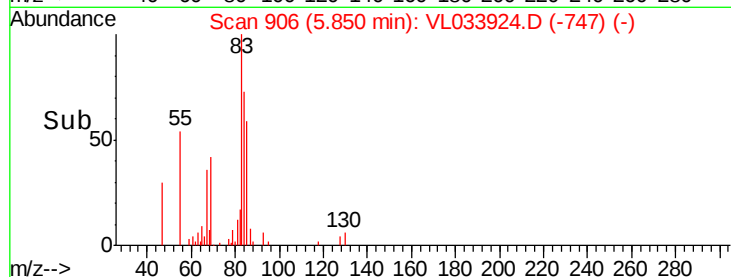
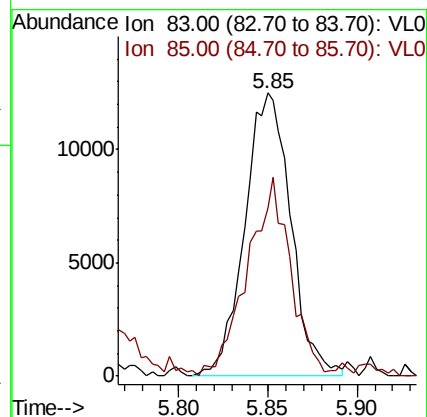
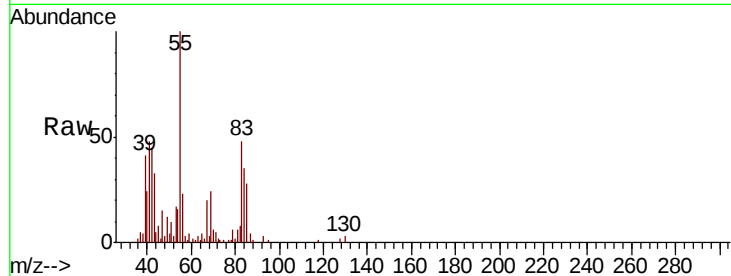
83 100

85 57.4 50.5 75.7

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#30

Cyclohexane

Concen: 2.661 ppbv

RT: 7.23 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

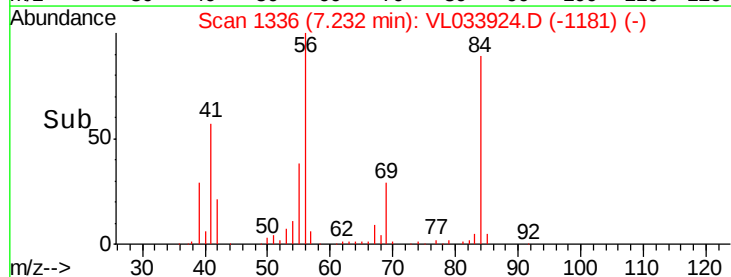
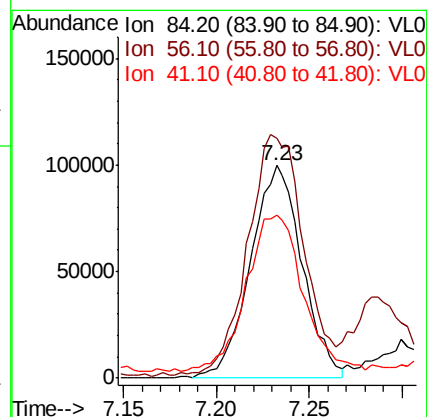
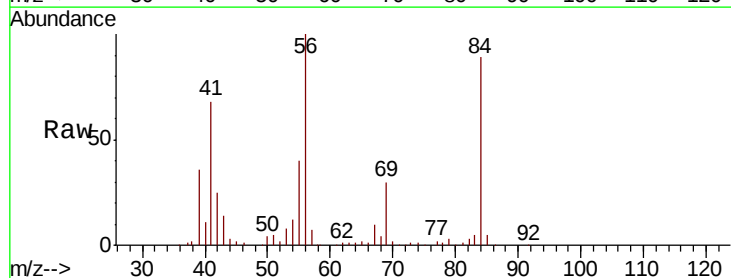
Tgt Ion: 84 Resp: 192653

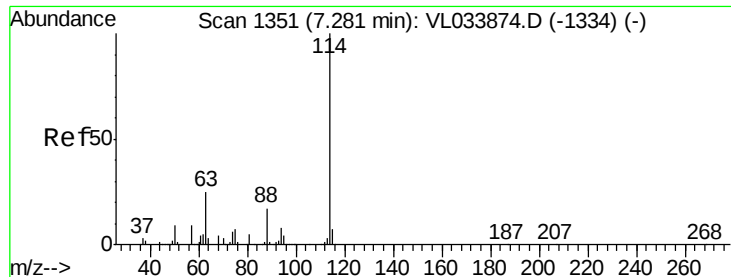
Ion Ratio Lower Upper

84 100

56 126.1 105.8 158.8

41 81.8 65.7 98.5





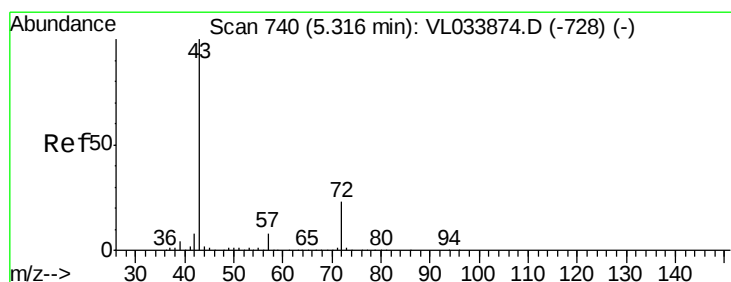
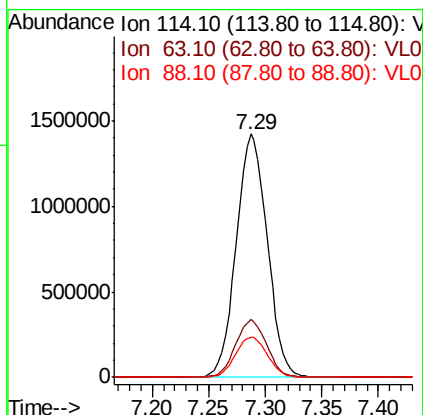
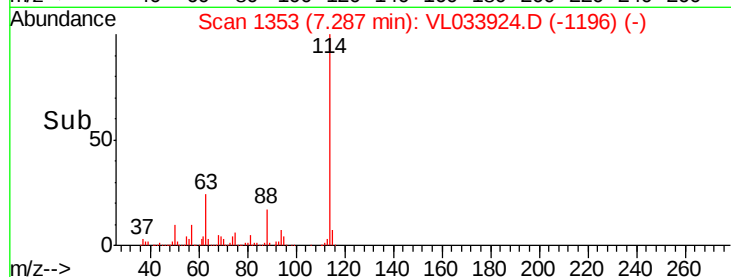
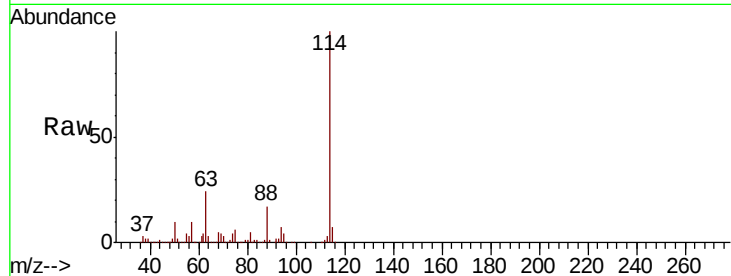
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampleId :
V2

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	21.1	31.7
88	17.2	14.2	21.4

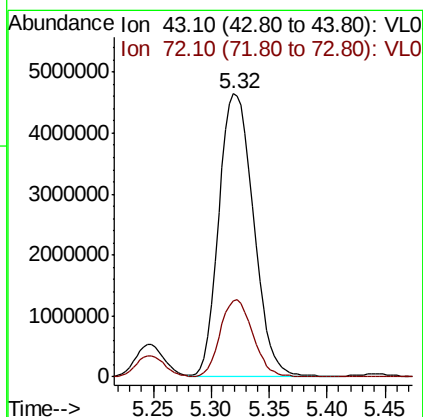
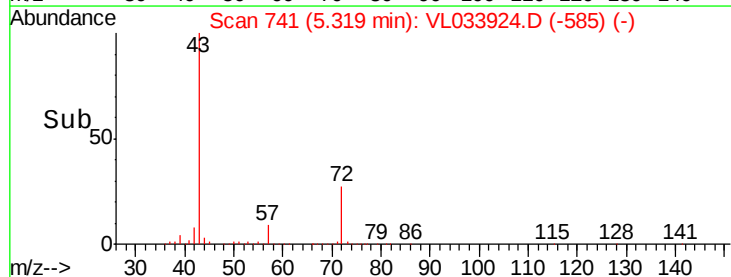
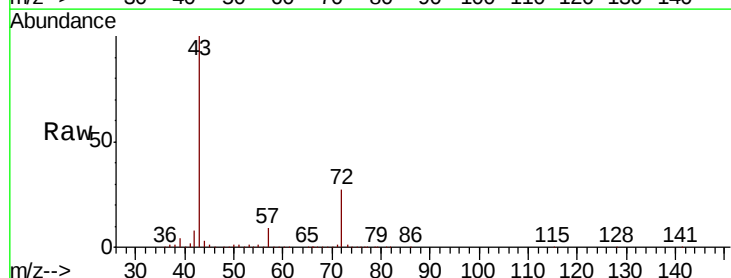
Manual Integrations
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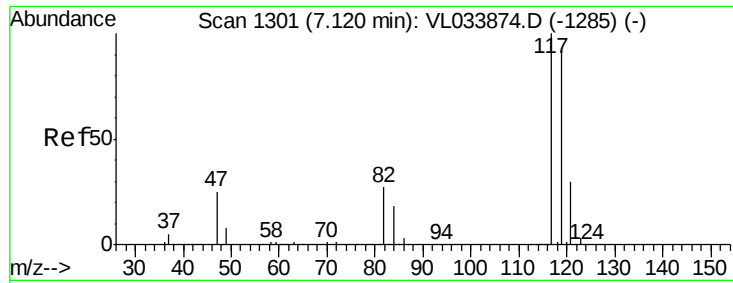
MMDadoda
6/17/2019 12:37:43 AM



#34
2-Butanone
Concen: 62.897 ppbv
RT: 5.32 min Scan# 741
Delta R.T. 0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

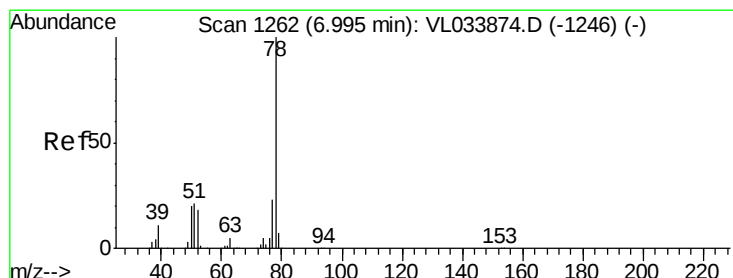
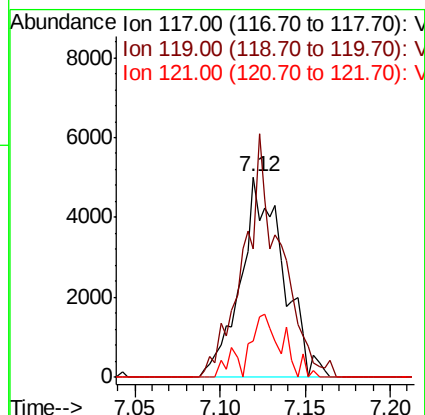
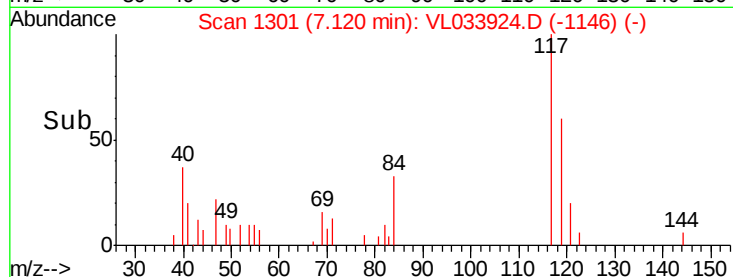
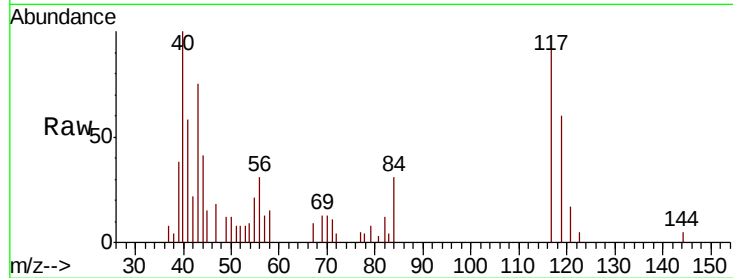
ClientSampled :

V2

Tot Ion:117 Resp: 8614
 Ion Ratio Lower Upper
 117 100
 119 64.4 74.6 111.8#
 121 18.2 24.0 36.0#

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#36

Benzene

Concen: 2.799 ppbv

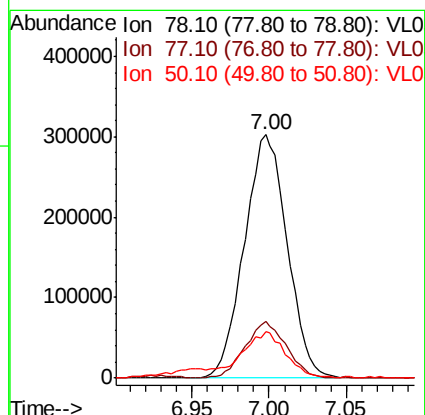
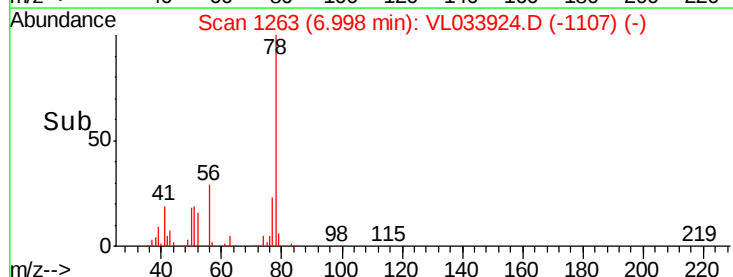
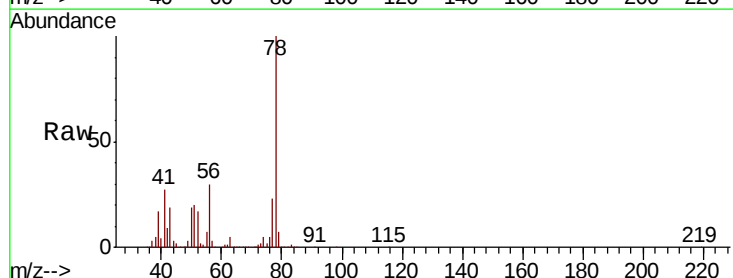
RT: 7.00 min Scan# 1263

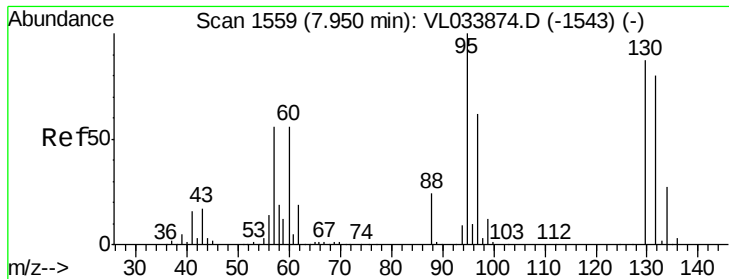
Delta R.T. 0.00 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Tgt Ion: 78 Resp: 581206
 Ion Ratio Lower Upper
 78 100
 77 23.4 18.2 27.2
 50 18.7 15.9 23.9





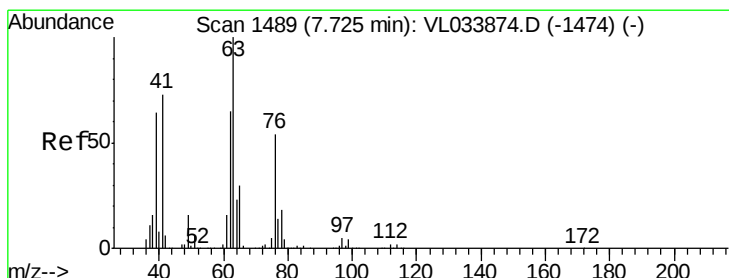
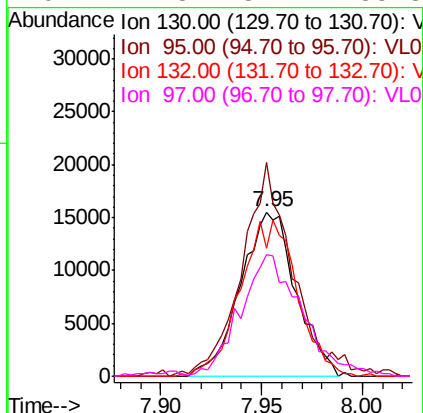
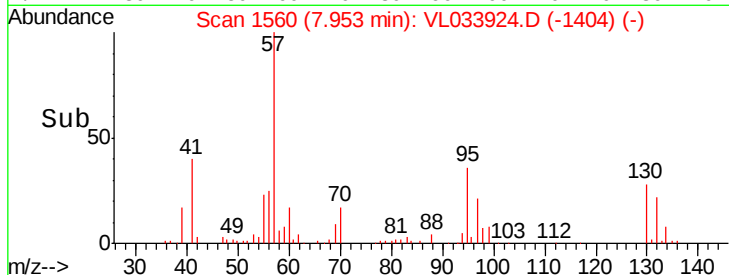
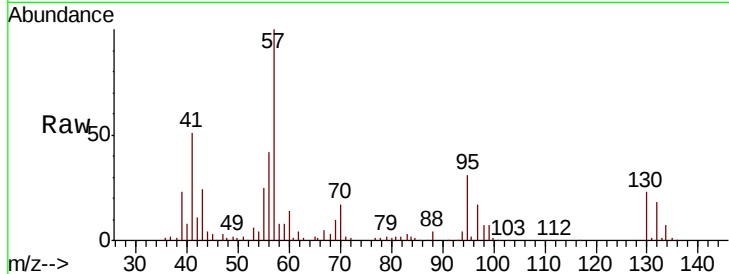
#38
 Trichloroethene
 Concen: 0.369 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VL033924.D
 Acq: 14 Jun 2019 8:45

Instrument :
 MSVOA_L
 ClientSampleId :
 V2

Tot Ion	Ratio	Lower	Upper
130	100		
95	138.6	92.0	138.0#
132	77.8	73.8	110.8
97	72.8	57.2	85.8

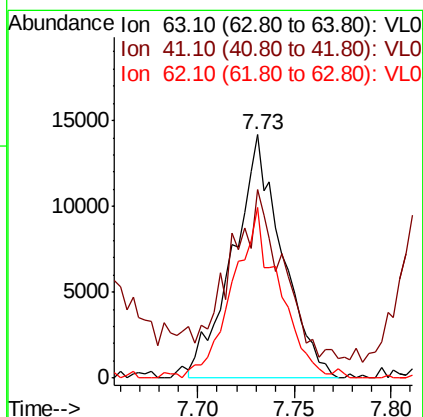
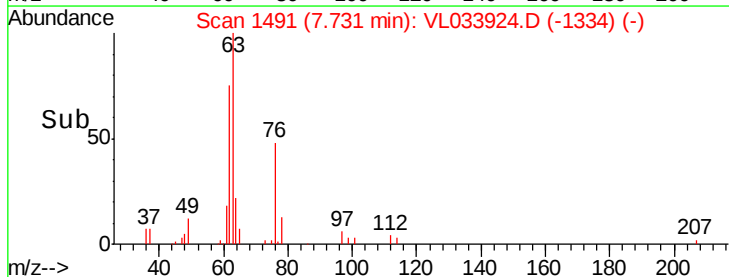
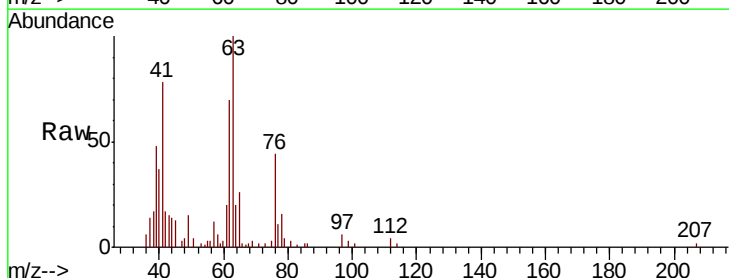
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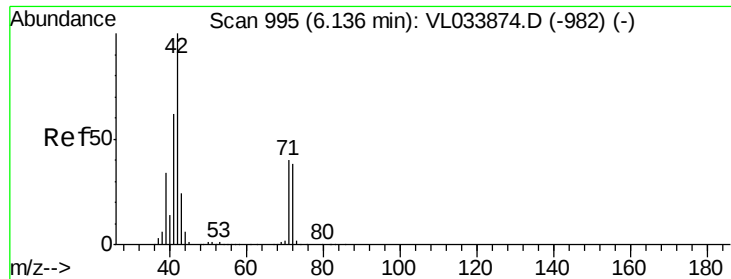
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#39
 1,2-Dichloropropane
 Concen: 0.312 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. 0.01 min
 Lab File: VL033924.D
 Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
63	100		
41	69.6	58.7	88.1
62	66.8	51.9	77.9





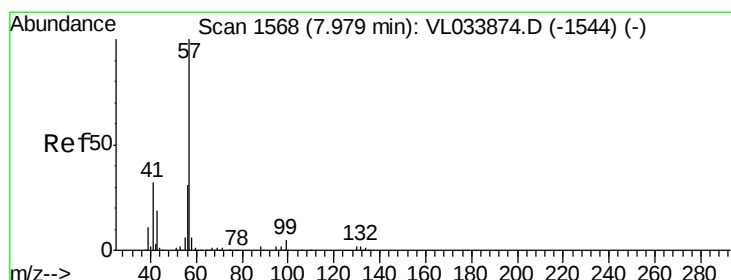
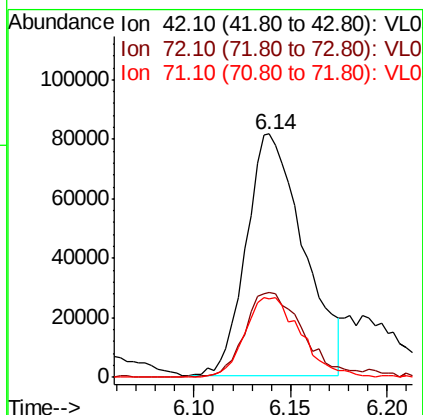
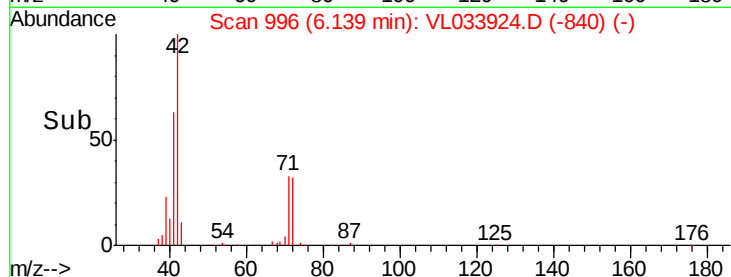
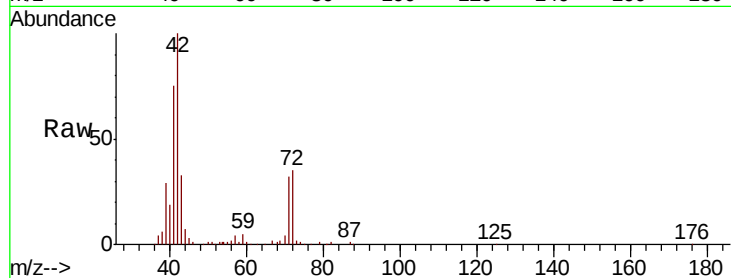
#41
Tetrahydrofuran
Concen: 2.155 ppbv
RT: 6.14 min Scan# 996
Delta R.T. 0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	32.2	48.4
71	32.6	31.7	47.5

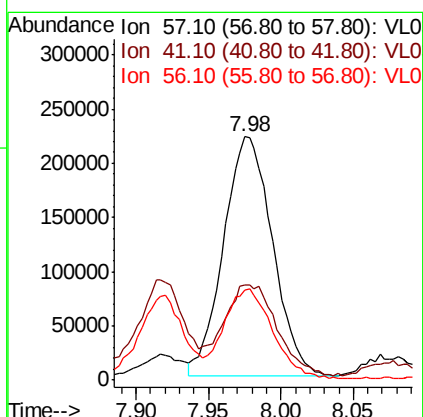
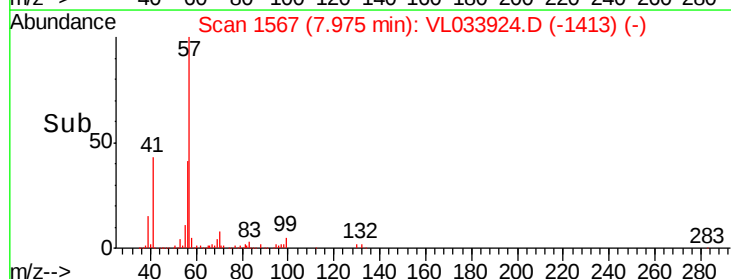
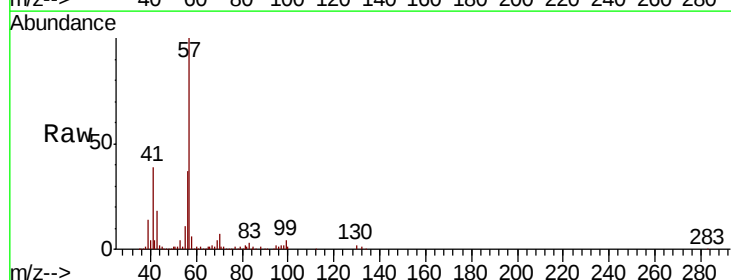
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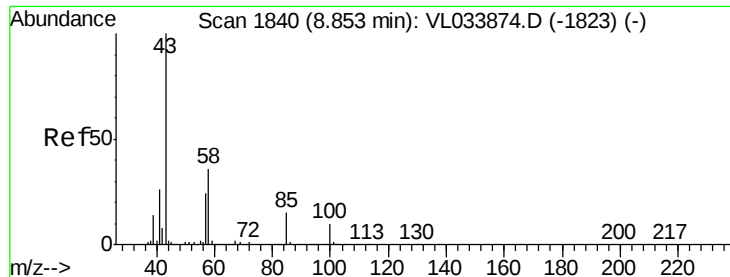
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#44
2,2,4-Trimethylpentane
Concen: 1.404 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.2	26.1	39.1#
56	36.9	24.6	36.8#





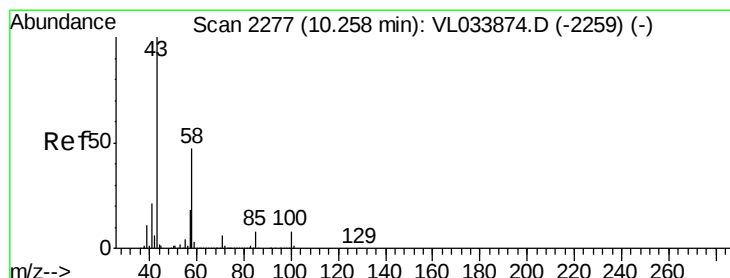
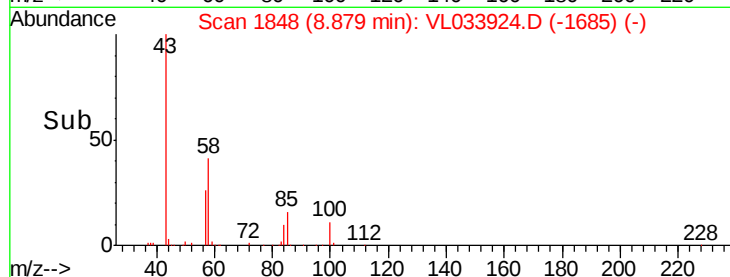
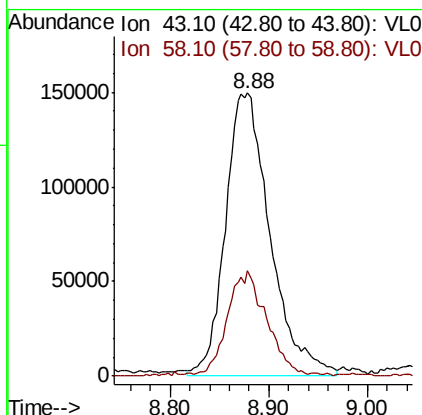
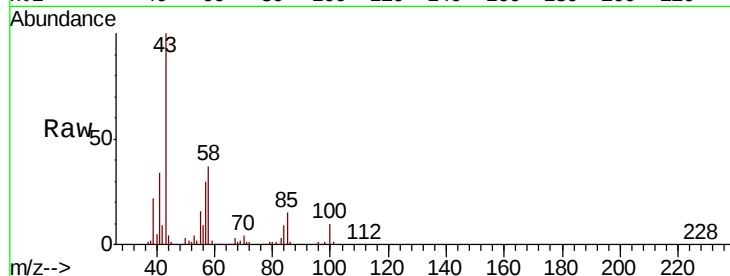
#50
4-Methyl-2-Pentanone
Concen: 2.059 ppbv m
RT: 8.88 min Scan# 1848
Delta R.T. 0.03 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampleId :
V2

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	42.8#

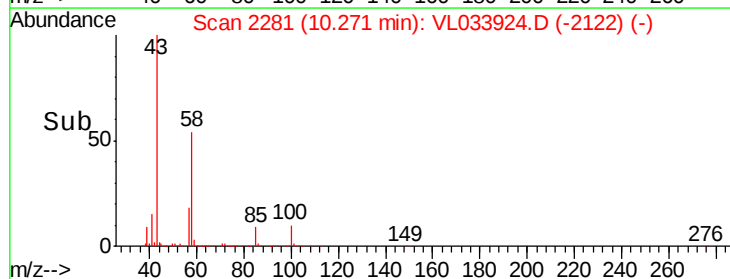
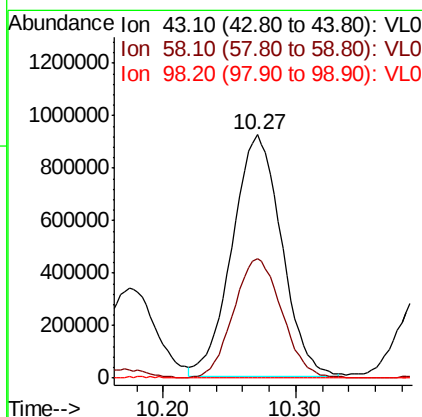
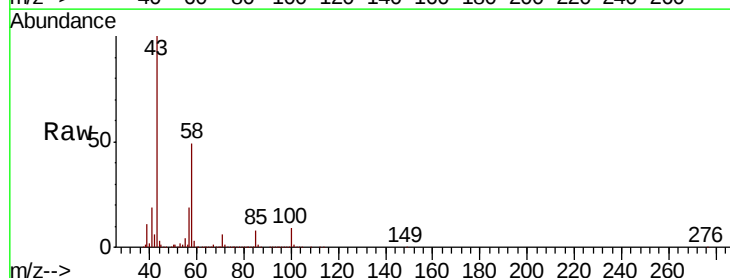
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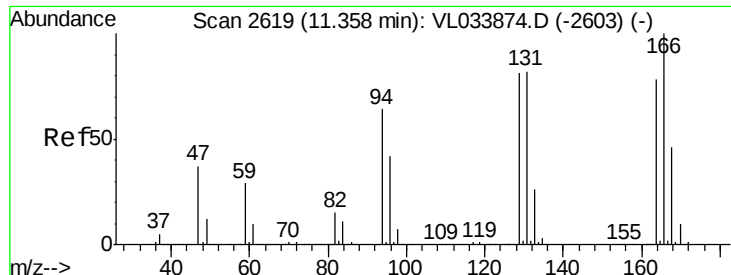
MMDadoda
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#51
2-Hexanone
Concen: 13.410 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.2	57.4
98	0.4	0.2	0.2#





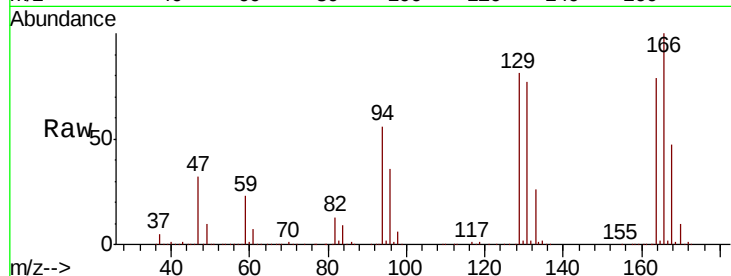
#52
Tetrachloroethene
Concen: 19.391 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.1	154.7
129	102.1	83.9	125.9
131	97.1	85.1	127.7

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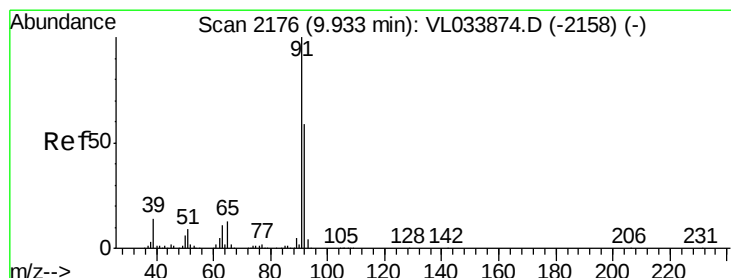
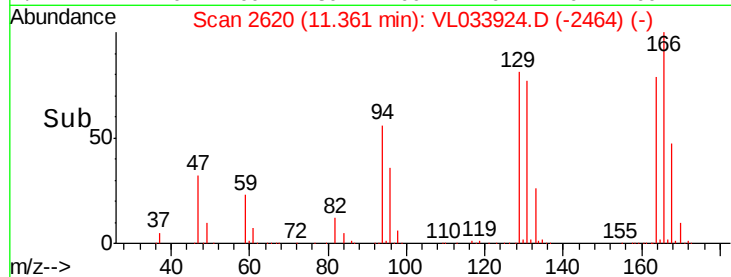
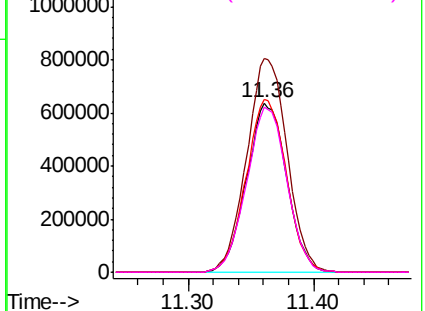
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

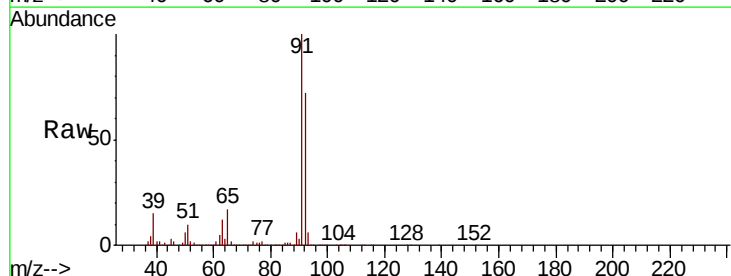
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53
Toluene
Concen: 72.667 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

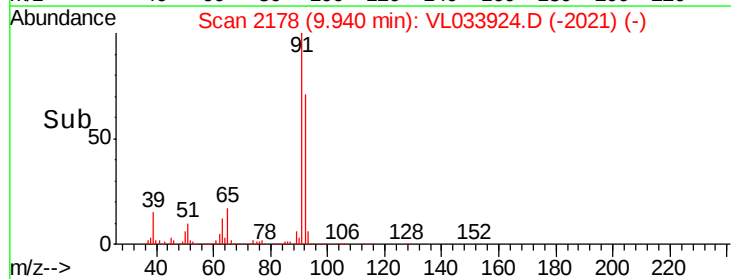
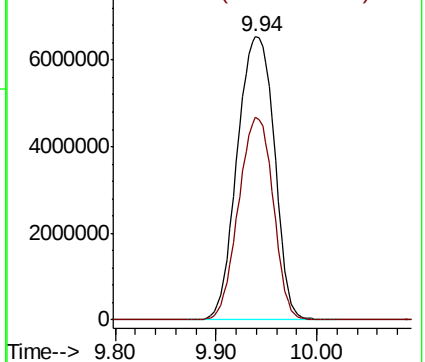
Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.9	47.0	70.6

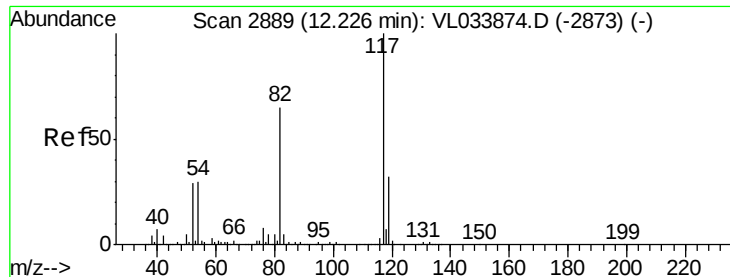


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





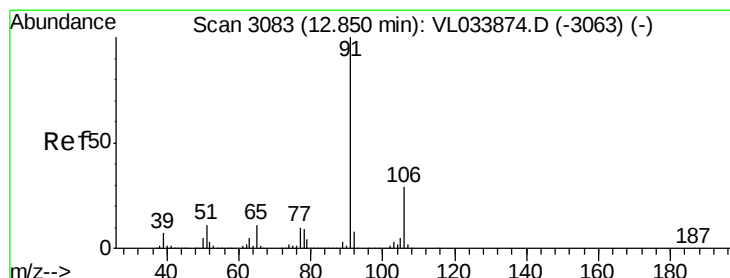
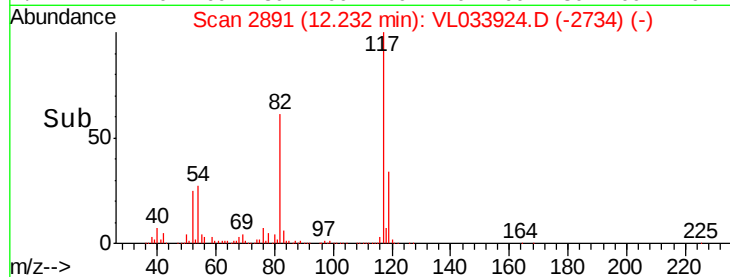
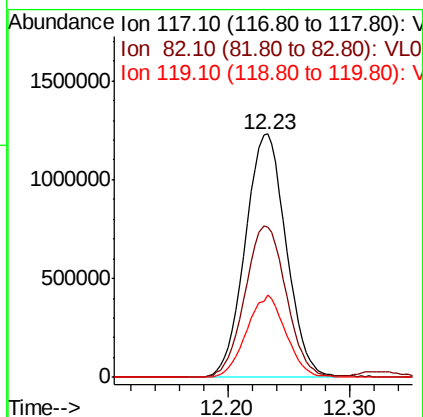
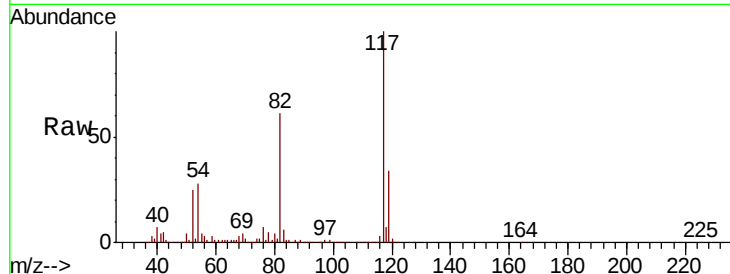
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampleId :
V2

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.8	50.2	75.2
119	32.6	24.8	37.2

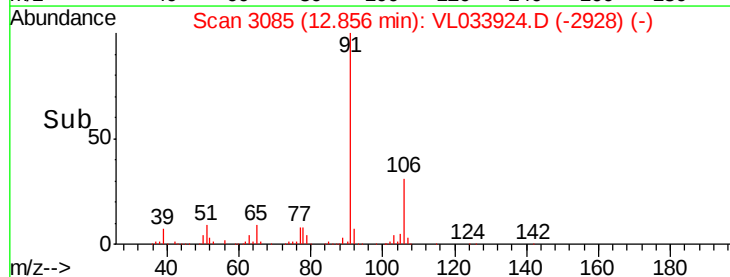
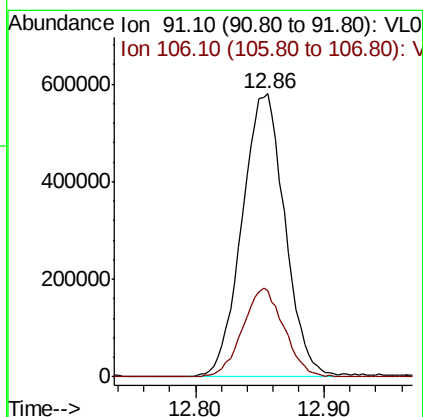
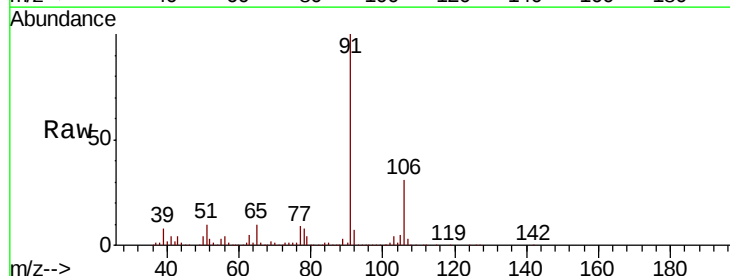
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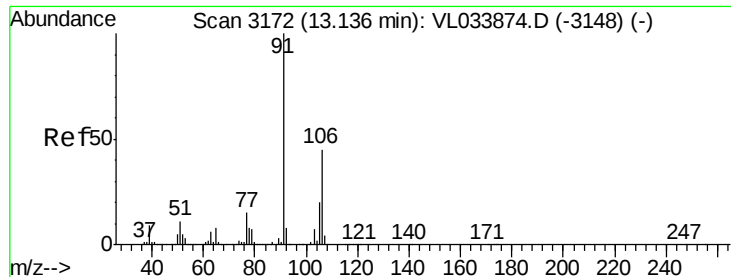
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#58
Ethyl Benzene
Concen: 4.170 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.0	34.6





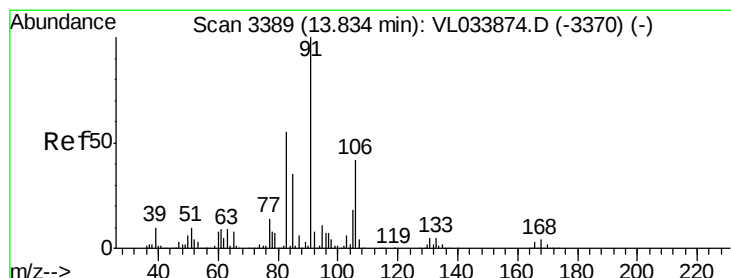
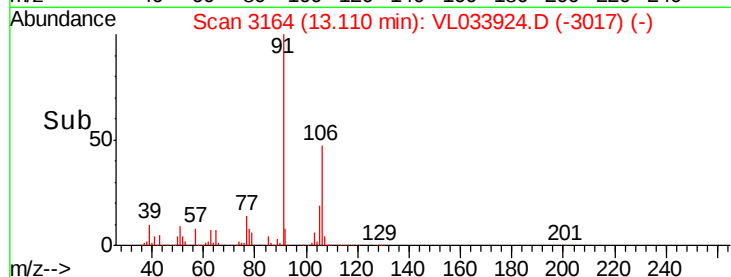
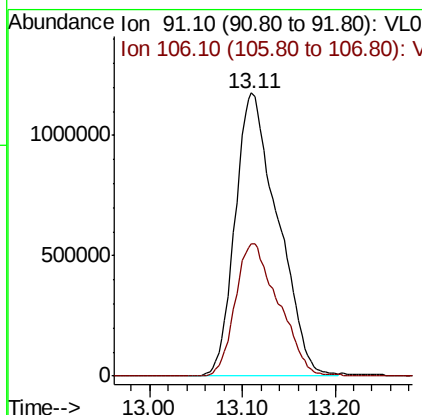
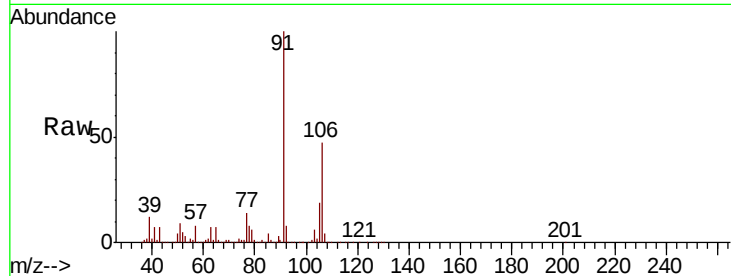
#59
m/p-Xylene
Concen: 12.846 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.03 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion: 91 Resp: 3756459
Ion Ratio Lower Upper
91 100
106 47.8 35.8 53.8

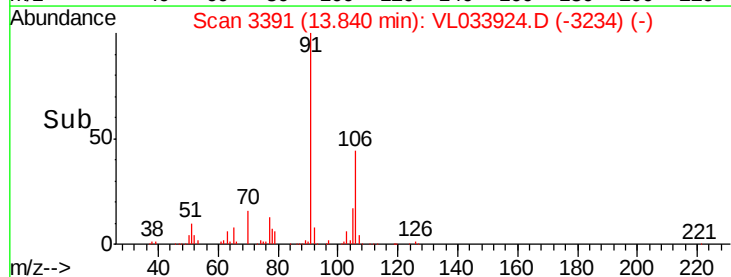
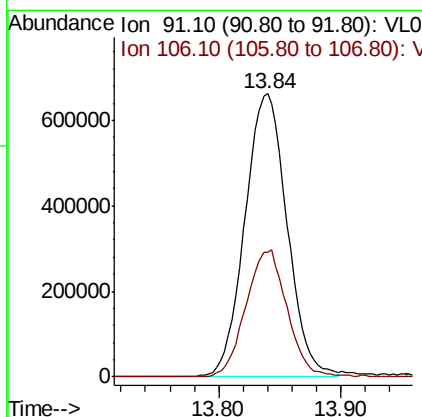
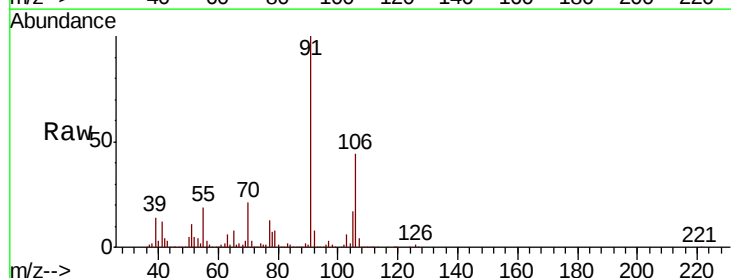
Manual Integrations
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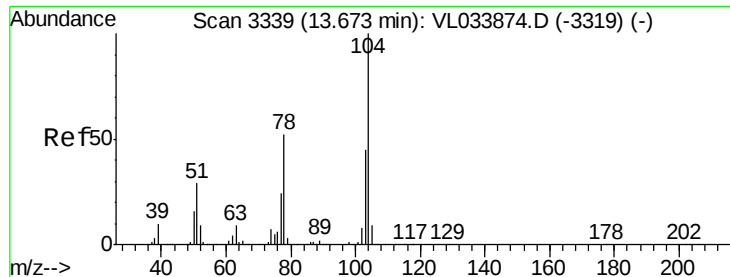
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#60
o-Xylene
Concen: 5.214 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion: 91 Resp: 1574127
Ion Ratio Lower Upper
91 100
106 44.8 21.7 65.1





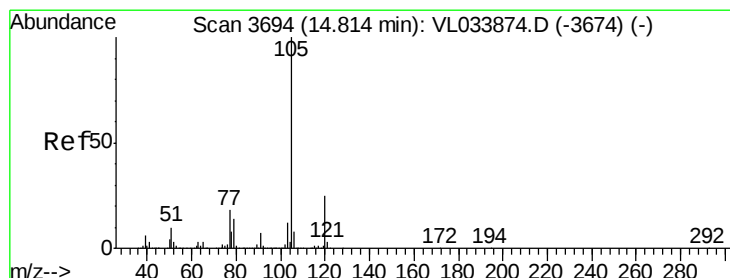
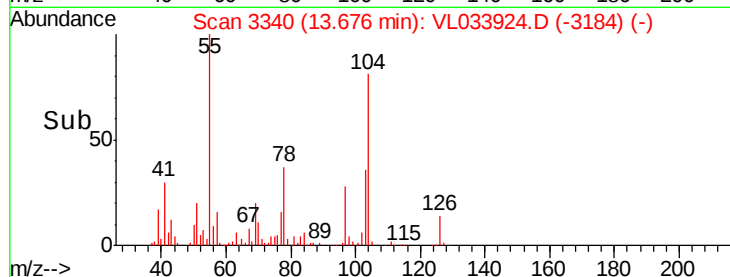
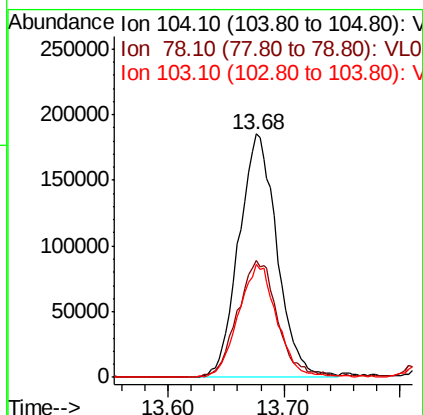
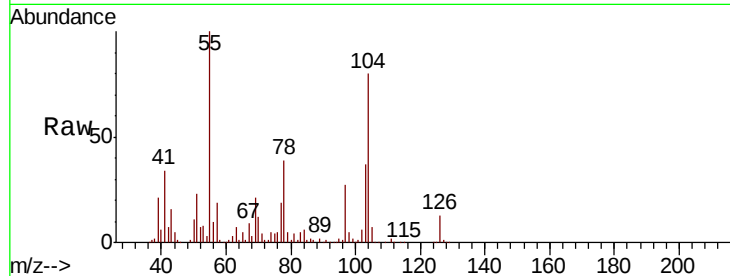
#61
Stvrene
Concen: 2.167 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	43.4	65.0
103	47.0	37.6	56.4

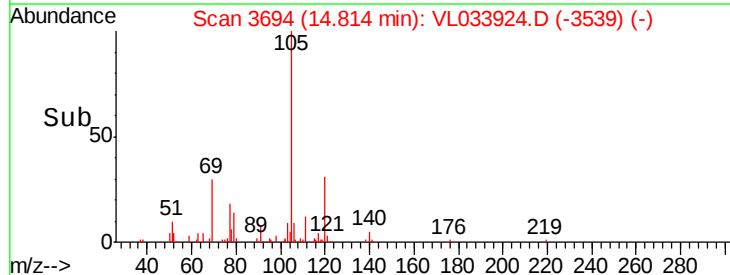
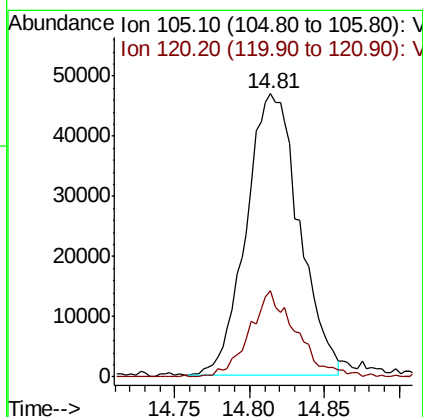
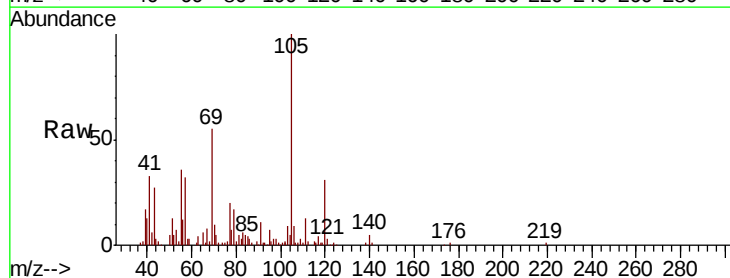
Manual Integrations
APPROVED

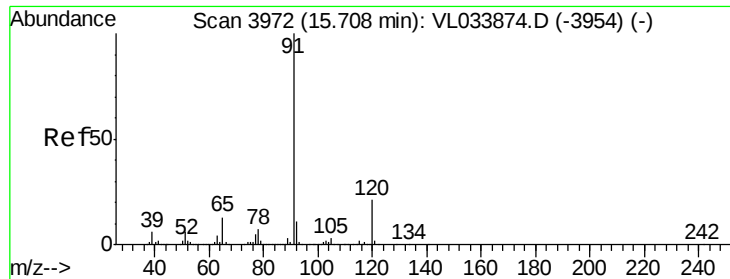
MMDadoda
6/17/2019 12:37:43 AM



#62
Isopropylbenzene
Concen: 0.283 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	20.3	30.5





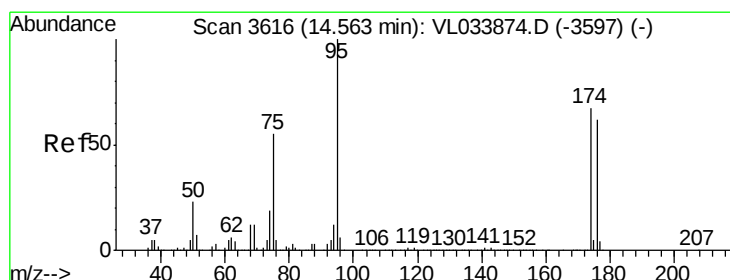
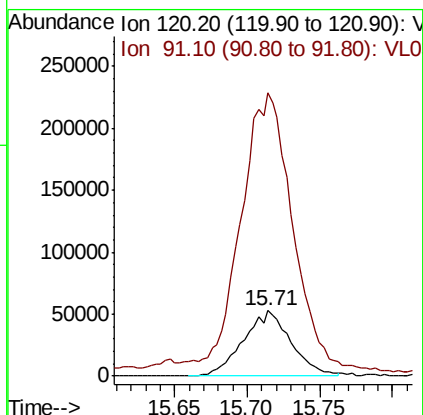
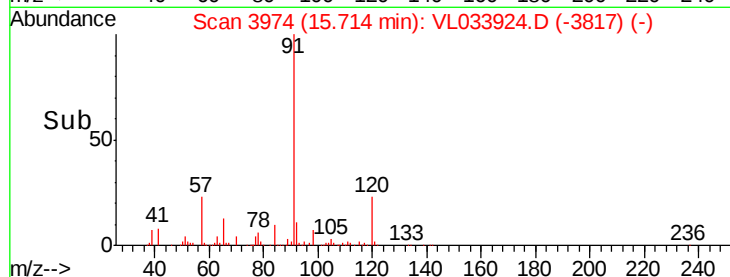
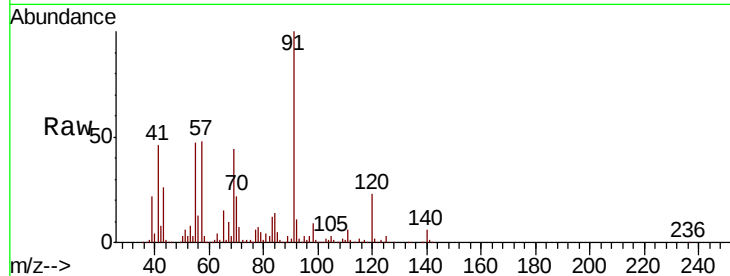
#64
n-propylbenzene
Concen: 1.162 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Instrument :
MSVOA_L
ClientSampled :
V2

Tot Ion: 120 Resp: 121080
Ion Ratio Lower Upper
120 100
91 508.9 387.0 580.6

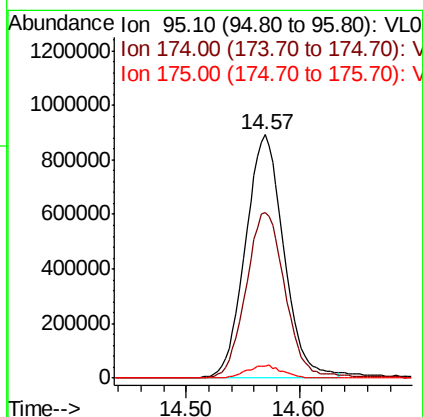
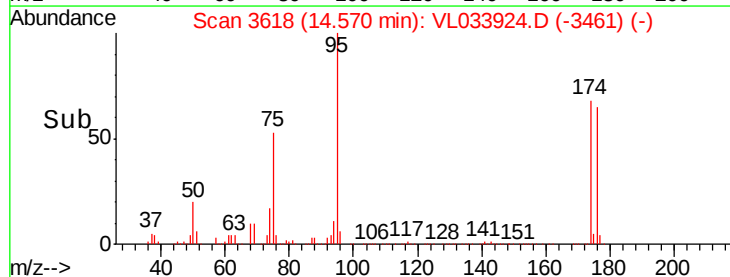
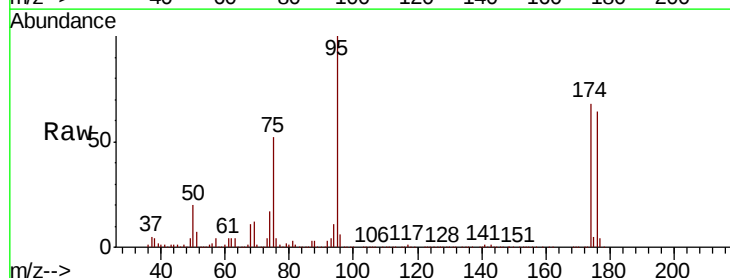
Manual Integrations
APPROVED

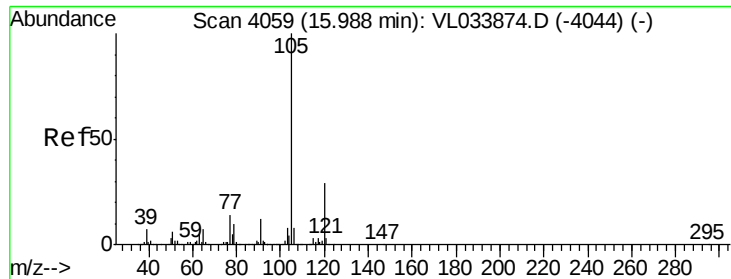
MMDadoda
6/17/2019 12:37:43 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 8.959 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.01 min
Lab File: VL033924.D
Acq: 14 Jun 2019 8:45

Tgt Ion: 95 Resp: 2098879
Ion Ratio Lower Upper
95 100
174 70.5 54.0 81.0
175 5.0 3.8 5.8





#72

4-Ethyltoluene

Concen: 2.015 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. 0.01 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

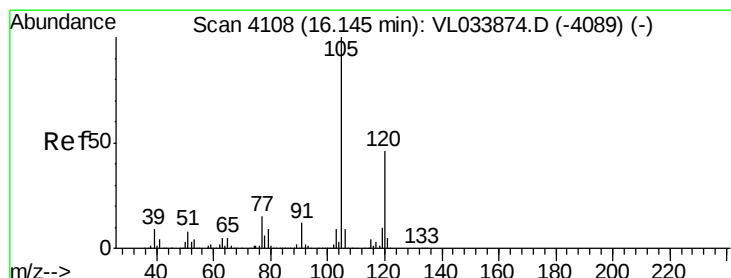
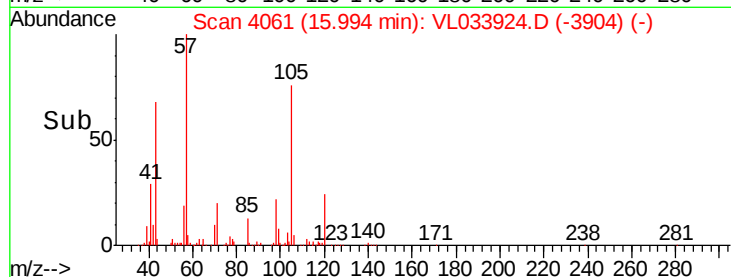
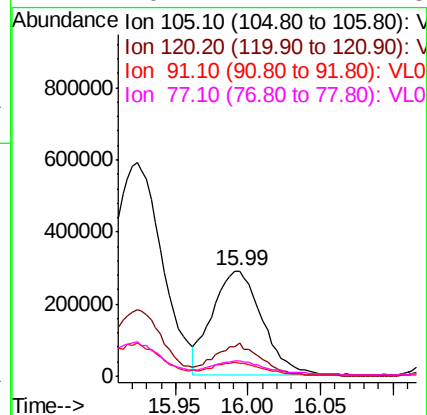
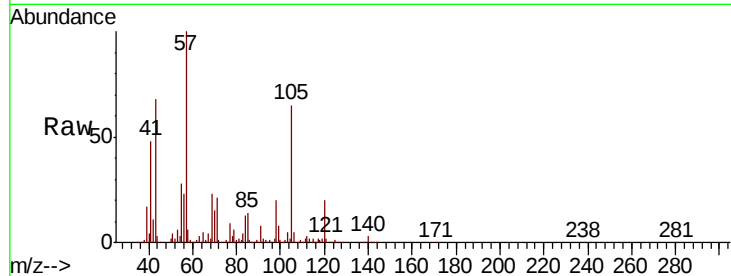
ClientSampled :

V2

Tot Ion:	105	Resp:	692279
Ion Ratio	Lower	Upper	
105	100		
120	31.2	23.5	35.3
91	14.3	10.4	15.6
77	16.7	11.7	17.5

Manual Integrations
APPROVED

MMDadoda
6/17/2019 12:37:43 AM



#73

1,3,5-Trimethylbenzene

Concen: 1.830 ppbv

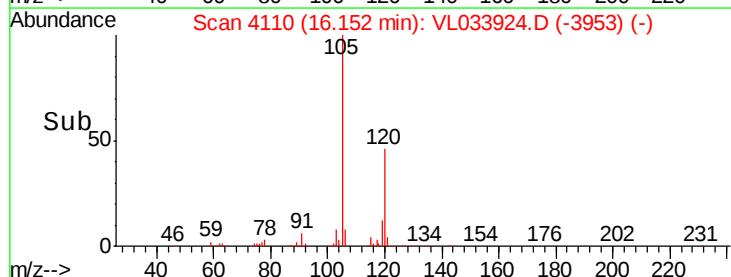
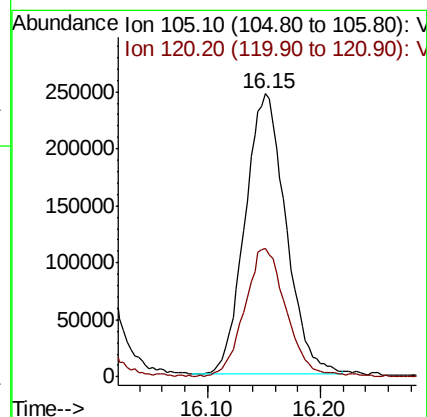
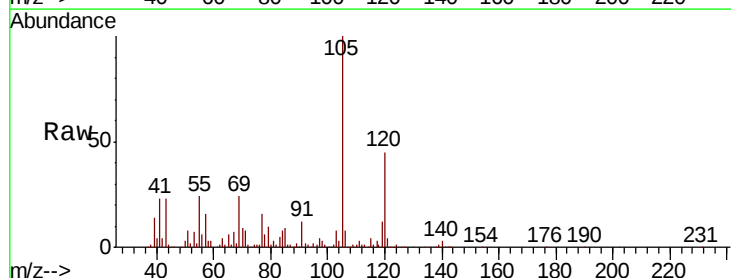
RT: 16.15 min Scan# 4110

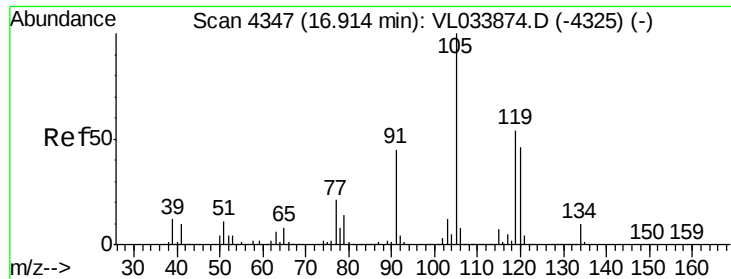
Delta R.T. 0.01 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Tgt Ion:	105	Resp:	619242
Ion Ratio	Lower	Upper	
105	100		
120	45.6	37.1	55.7





#74

1,2,4-Trimethylbenzene

Concen: 5.800 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

Instrument :

MSVOA_L

ClientSampled :

V2

Tot Ion:105 Resp: 2262218

Ion Ratio Lower Upper

105 100

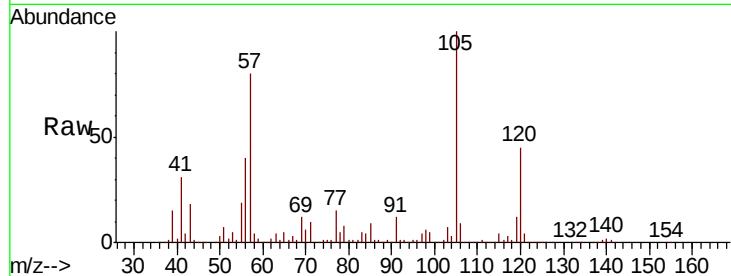
120 45.2 36.7 55.1

91 11.7 35.8 53.8#

77 13.9 16.9 25.3#

Manual Integrations
APPROVED

MMDadoda
6/17/2019 12:37:43 AM

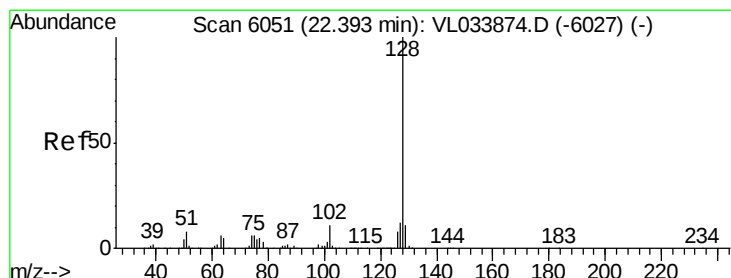
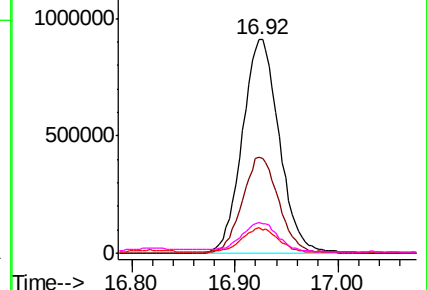
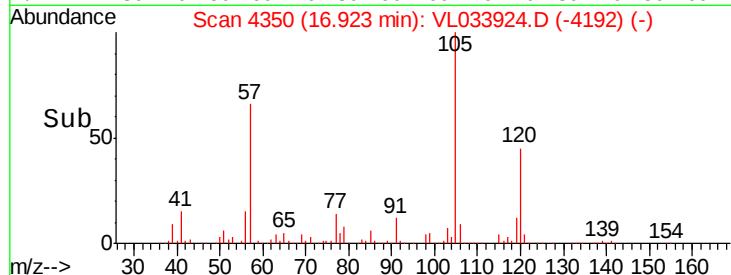


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#79

Naphthalene

Concen: 0.829 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. 0.02 min

Lab File: VL033924.D

Acq: 14 Jun 2019 8:45

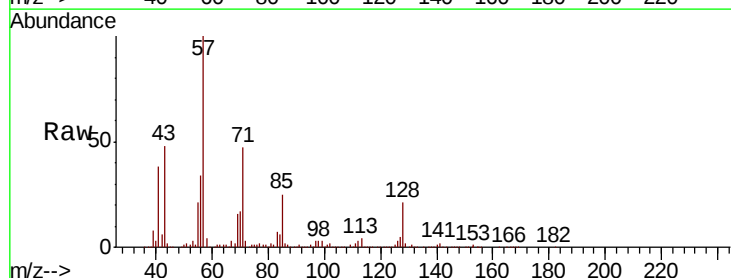
Tgt Ion:128 Resp: 258621

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

129 11.2 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

