

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033932.D
 Acq On : 24 Jun 2019 11:41
 Operator : SY/AP
 Sample : VL0624ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0624ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 8:15:30 AM

Quant Time: Jun 25 03:47:57 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	5.74	49	1127021	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2562059	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2801207m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	2147679	9.33	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	1576960	8.623	ppbv 100
3) Chlorodifluoromethane	3.00	51	1090513	8.219	ppbv 100
4) Chloromethane	3.16	50	561618	7.421	ppbv 98
5) Vinyl Chloride	3.28	62	578359	8.237	ppbv 100
6) Bromomethane	3.50	94	377669	8.096	ppbv 89
7) Chloroethane	3.59	64	220991	7.958	ppbv 94
8) Dichlorotetrafluoroethane	3.21	85	1537241	7.865	ppbv 98
9) Propene	3.03	41	412438	8.308	ppbv 98
10) Heptane	8.22	43	1285516	10.245	ppbv 100
11) Trichlorofluoromethane	3.99	101	1878249	7.960	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1275921	8.001	ppbv 100
13) Ethanol	3.64	45	144352	8.937	ppbv 95
14) Bromoethene	3.78	108	493544	8.305	ppbv 99
15) Acetone	3.89	43	1378665	8.388	ppbv 99
16) 1,3-Butadiene	3.35	39	511788	8.180	ppbv 100
17) tert-Butyl alcohol	4.34	59	1141190	8.881	ppbv 99
18) 1,1-Dichloroethene	4.34	96	542509	8.054	ppbv 99
19) Isopropyl Alcohol	4.01	45	873267	9.300	ppbv 99
20) Methylene Chloride	4.39	84	470856	7.346	ppbv 98
21) Allyl Chloride	4.46	41	774917	8.299	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	568495	8.007	ppbv 95
23) Vinyl Acetate	5.14	43	1726857	9.038	ppbv 99
24) 1,1-Dichloroethane	5.07	63	1193430	8.031	ppbv 100
25) Ethyl Acetate	5.75	43	2349399	9.385	ppbv 100
26) Hexane	5.76	57	1041952	9.142	ppbv 99
27) Carbon Disulfide	4.60	76	1367905	8.639	ppbv 100
28) Methyl tert-Butyl Ether	5.10	73	1545643	8.968	ppbv 99
29) Chloroform	5.83	83	1823159	9.340	ppbv 96
30) Cyclohexane	7.22	84	849548	10.550	ppbv 99
31) cis-1,2-Dichloroethene	5.62	61	1040640	10.412	ppbv 99
32) 1,1,1-Trichloroethane	6.60	97	1835400	9.747	ppbv 99
34) 2-Butanone	5.31	43	1332816	9.221	ppbv 100
35) Carbon Tetrachloride	7.11	117	1990961	10.058	ppbv 97
36) Benzene	6.98	78	2057959	10.515	ppbv 100
37) 1,2-Dichloroethane	6.39	62	1320396	9.122	ppbv 99
38) Trichloroethene	7.94	130	867402	11.383	ppbv 96
39) 1,2-Dichloropropane	7.71	63	754274	9.986	ppbv 95
40) 1,4-Dioxane	7.93	88	320240	10.395	ppbv 88
41) Tetrahydrofuran	6.13	42	768399	10.474	ppbv 99
42) Bromodichloromethane	7.89	83	1933214	9.995	ppbv 99
43) Methyl Methacrylate	8.11	69	842395	11.509	ppbv 100

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Manual Integrations
 APPROVED

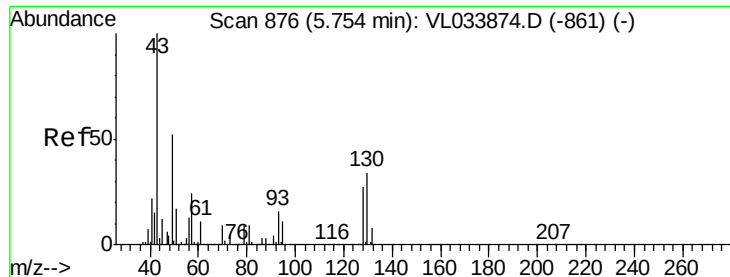
MMDadoda
 6/26/2019 8:15:30 AM

Quant Time: Jun 25 03:47:57 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)

44) 2,2,4-Trimethylpentane	7.97	57	3518688	10.110	ppbv	100
45) t-1,3-Dichloropropene	9.39	75	1043235	10.862	ppbv	99
46) cis-1,3-Dichloropropene	8.81	75	1244917	11.314	ppbv	100
47) 1,1,2-Trichloroethane	9.59	97	896848	9.960	ppbv	97
48) Dibromochloromethane	10.43	129	1683203	10.401	ppbv	99
49) Bromoform	13.18	173	1430500	10.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.85	43	2311291	10.724	ppbv	99
51) 2-Hexanone	10.25	43	1864733	11.079	ppbv #	99
52) Tetrachloroethene	11.35	164	821058	11.923	ppbv	96
53) Toluene	9.92	91	2465738	11.385	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1419779	10.460	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.25	131	1115358	9.115	ppbv	99
57) Chlorobenzene	12.27	112	1835756	8.750	ppbv	100
58) Ethyl Benzene	12.84	91	3320161	10.513	ppbv	98
59) m/p-Xylene	13.12	91	5561407m	19.364	ppbv	
60) o-Xylene	13.82	91	2827274	9.535	ppbv	100
61) Styrene	13.66	104	1988896	10.365	ppbv	100
62) Isopropylbenzene	14.80	105	3888200	9.729	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	1985119	8.894	ppbv	99
64) n-propylbenzene	15.70	120	1002766	9.798	ppbv	98
65) tert-Butylbenzene	16.88	119	3654908	9.884	ppbv	99
66) Benzyl Chloride	17.13	91	1579459	8.428	ppbv	99
67) sec-Butylbenzene	17.43	105	5110240	9.850	ppbv	100
69) p-Isopropyltoluene	17.79	119	4337164	10.048	ppbv	99
70) n-Butylbenzene	18.69	91	4480591	9.477	ppbv	100
71) 2-Chlorotoluene	15.59	91	2967911	10.080	ppbv	100
72) 4-Ethyltoluene	15.97	105	3369677	9.986	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	3232506	9.725	ppbv	100
74) 1,2,4-Trimethylbenzene	16.90	105	3417370	8.920	ppbv	97
75) 1,3-Dichlorobenzene	17.14	146	2008686	8.372	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	1964485	8.918	ppbv	100
77) 1,2-Dichlorobenzene	17.96	146	1940935	8.767	ppbv	100
78) Hexachloro-1,3-Butadiene	23.51	225	1484996	8.588	ppbv	99
79) Naphthalene	22.38	128	2922466	9.544	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	867060	7.097	ppbv	95
81) 1,2,4-Trichlorobenzene	22.10	180	1633990	8.452	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

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ClientSampleId :

VL0624ABS01

Tot Ion: 49 Resp: 1127021

Ion Ratio Lower Upper

49 100

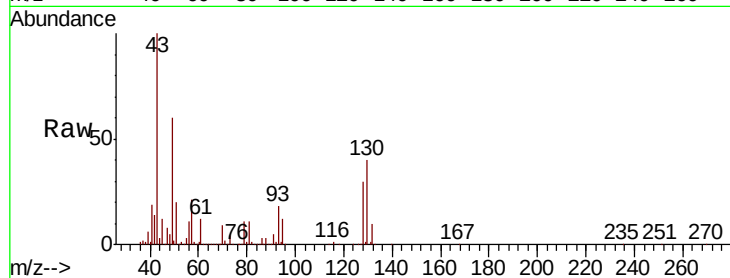
128 51.0 25.5 76.5

130 65.8 32.5 97.4

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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

800000

600000

400000

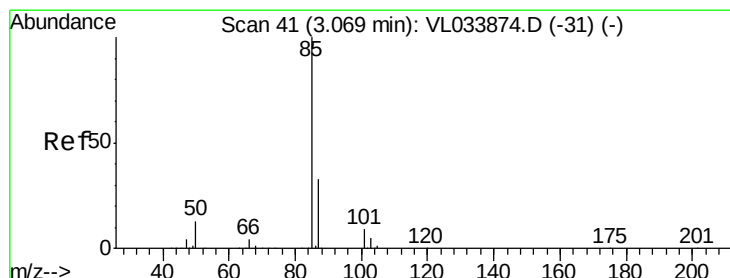
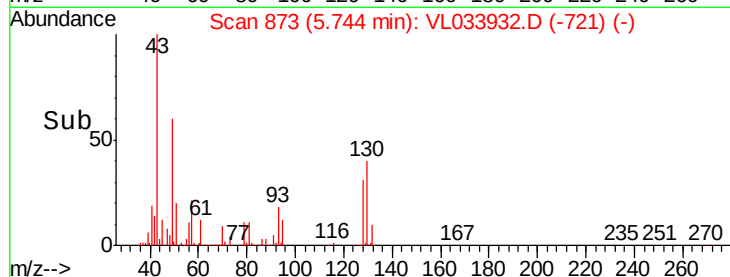
200000

0

5.74

5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 8.623 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033932.D

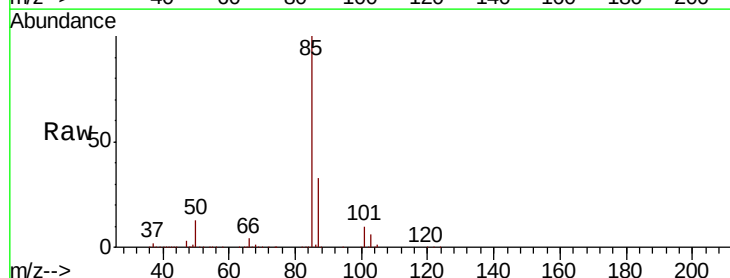
Acq: 24 Jun 2019 11:41

Tgt Ion: 85 Resp: 1576960

Ion Ratio Lower Upper

85 100

87 33.0 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1000000

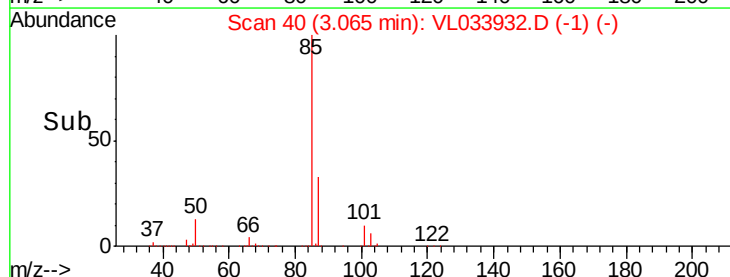
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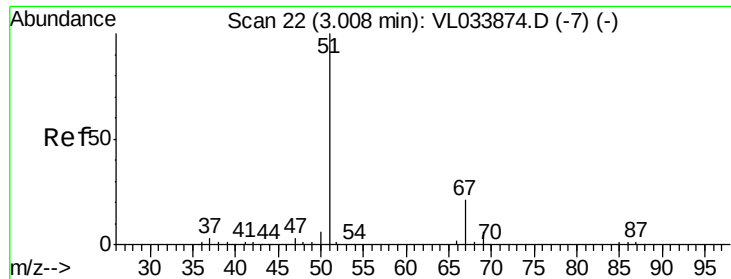
0

3.07

3.00 3.05 3.10 3.15

Time-->





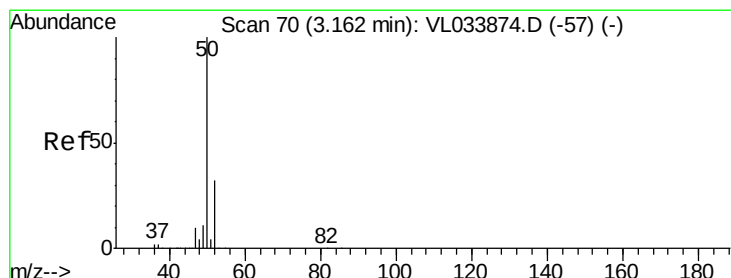
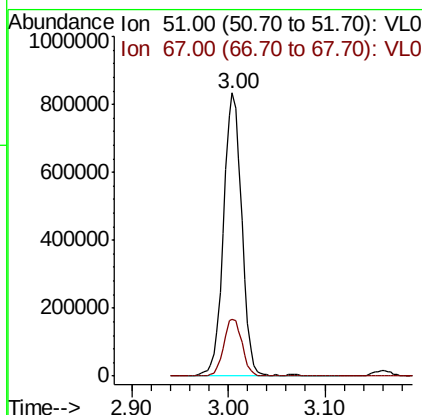
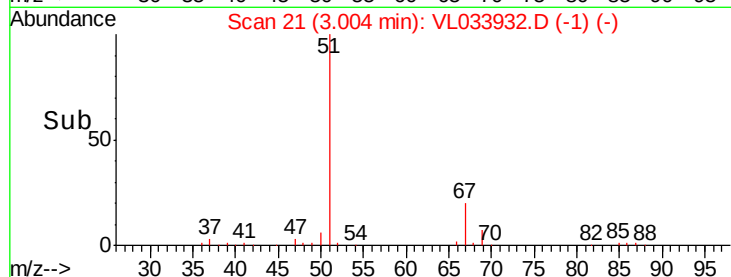
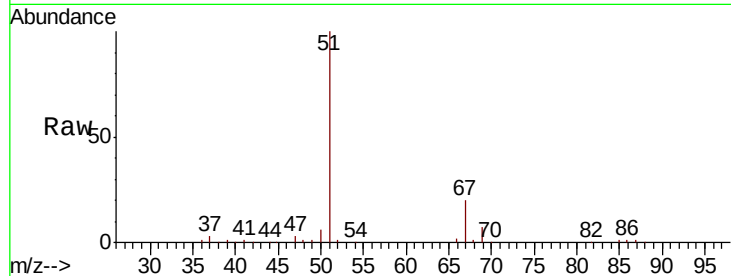
#3
Chlorodifluoromethane
Concen: 8.219 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion: 51 Resp: 1090513
Ion Ratio Lower Upper
51 100
67 20.3 16.4 24.6

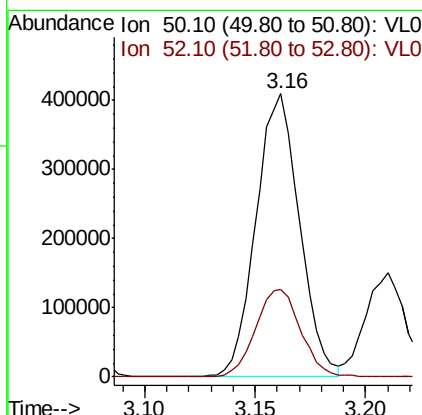
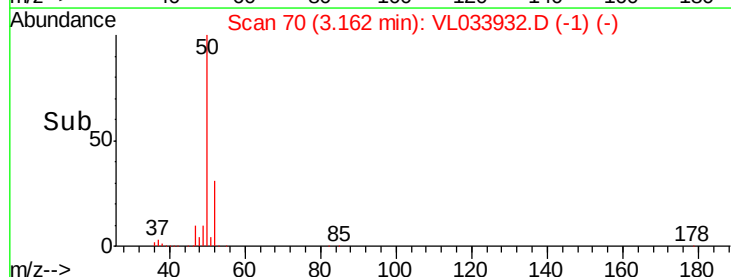
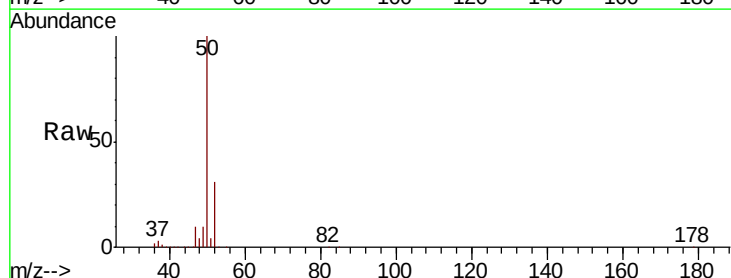
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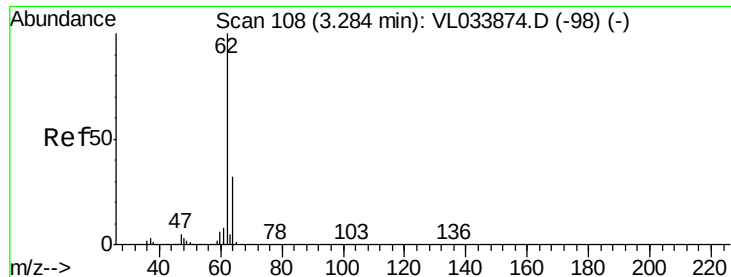
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#4
Chloromethane
Concen: 7.421 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion: 50 Resp: 561618
Ion Ratio Lower Upper
50 100
52 30.8 25.4 38.0





#5

Vinyl Chloride

Concen: 8.237 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 62 Resp: 578359

Ion Ratio Lower Upper

62 100

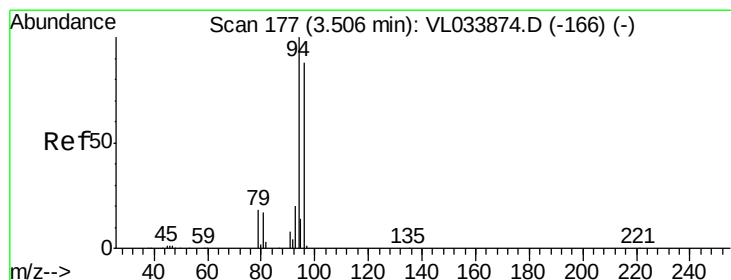
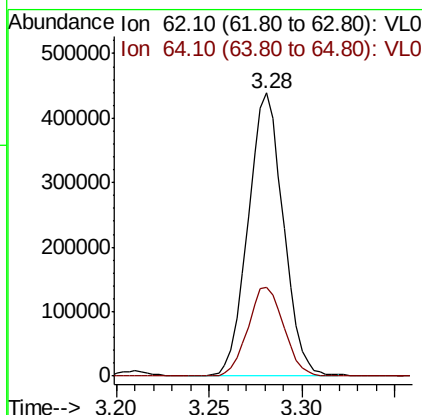
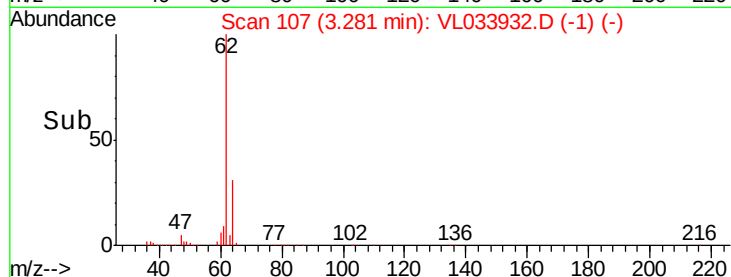
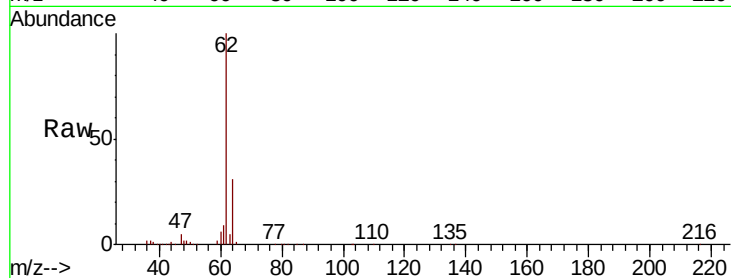
64 31.5 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 8.096 ppbv

RT: 3.50 min Scan# 176

Delta R.T. -0.00 min

Lab File: VL033932.D

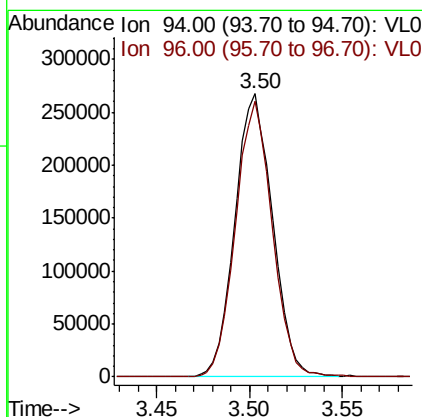
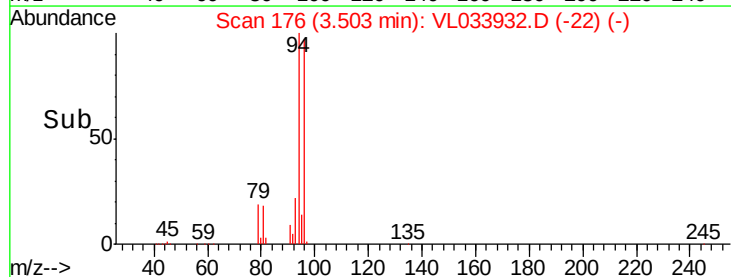
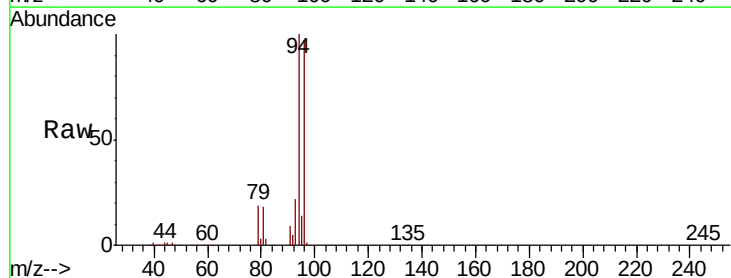
Acq: 24 Jun 2019 11:41

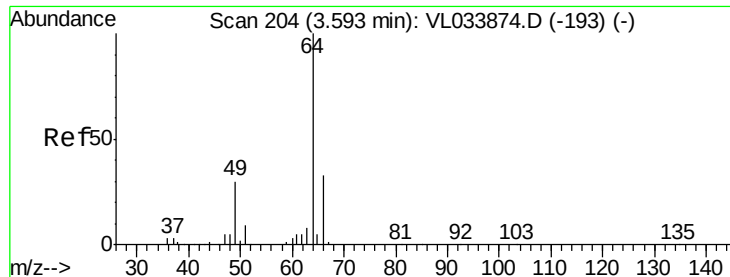
Tgt Ion: 94 Resp: 377669

Ion Ratio Lower Upper

94 100

96 97.5 70.2 105.2





#7

Chloroethane

Concen: 7.958 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 64 Resp: 220991

Ion Ratio Lower Upper

64 100

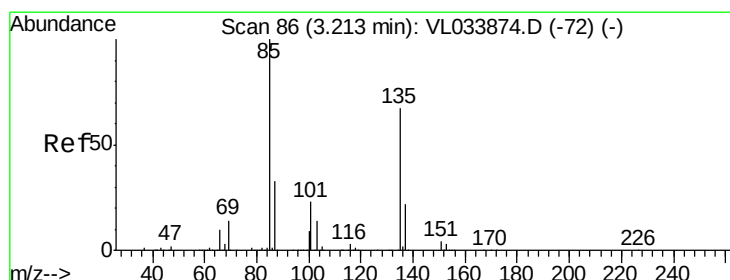
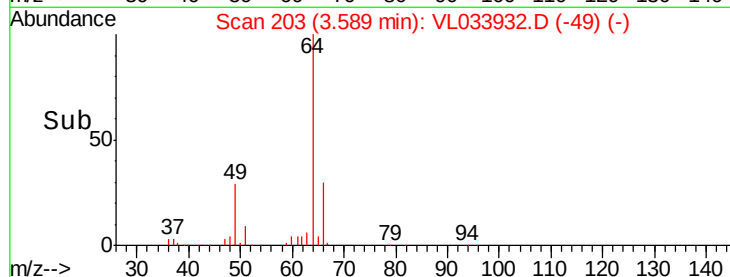
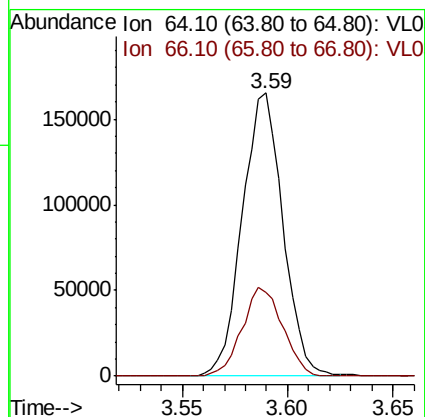
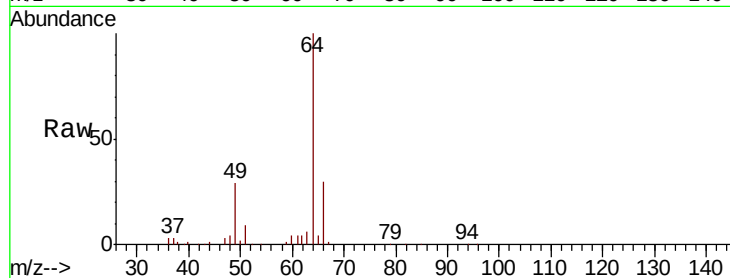
66 29.8 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 7.865 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033932.D

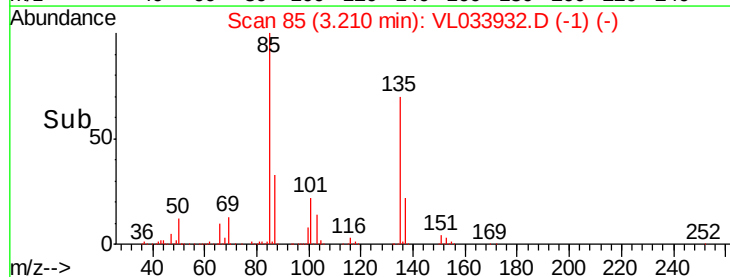
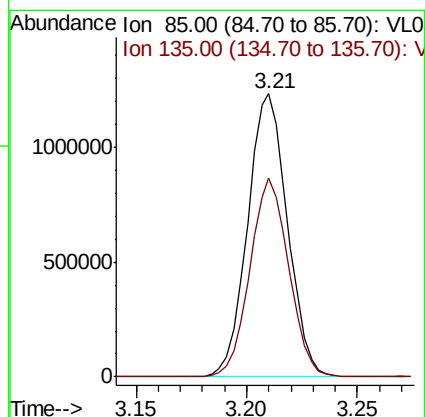
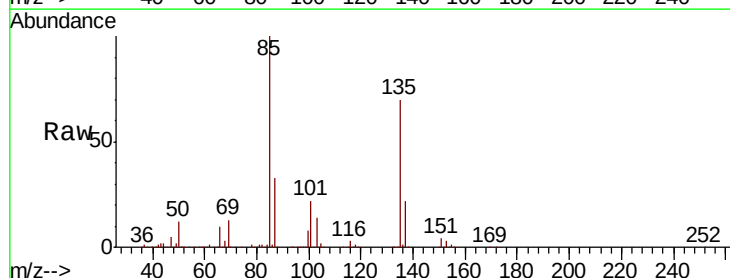
Acq: 24 Jun 2019 11:41

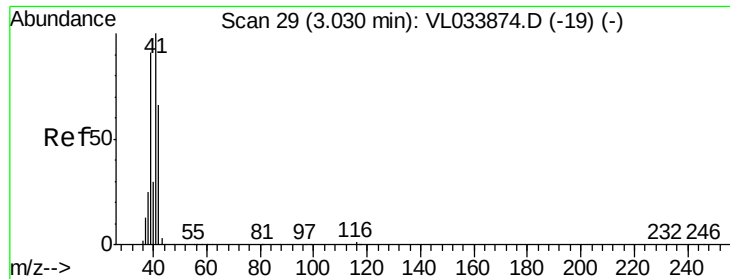
Tgt Ion: 85 Resp: 1537241

Ion Ratio Lower Upper

85 100

135 69.0 53.7 80.5





#9

Propene

Concen: 8.308 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 41 Resp: 412438

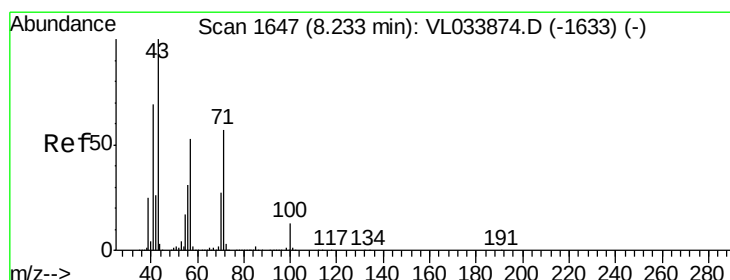
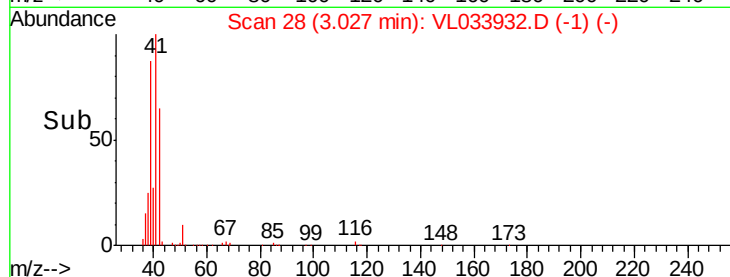
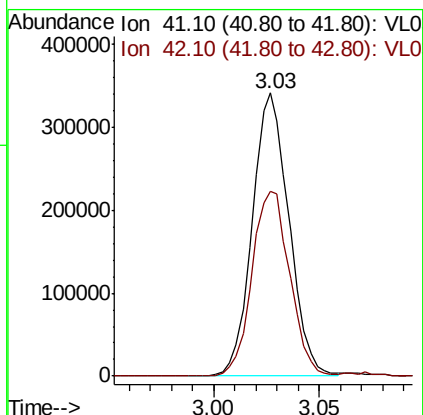
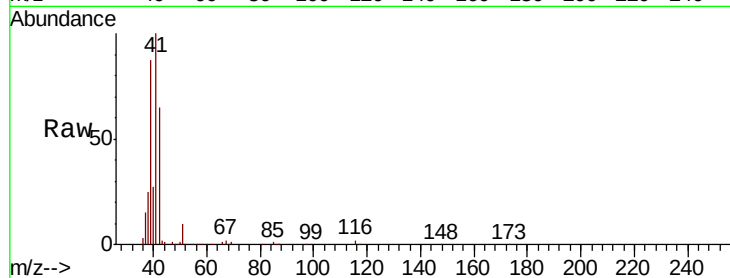
Ion Ratio Lower Upper

41 100

42 68.6 56.3 84.5

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#10

Heptane

Concen: 10.245 ppbv

RT: 8.22 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL033932.D

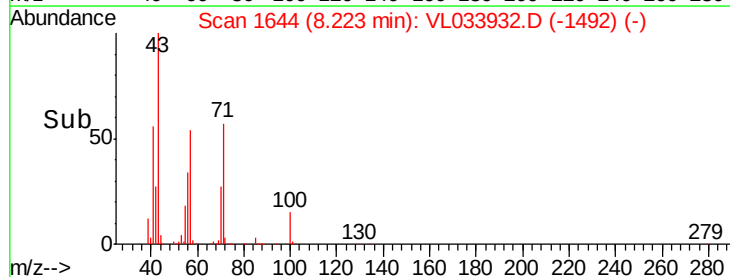
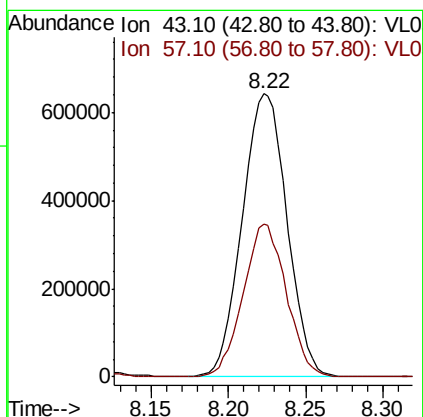
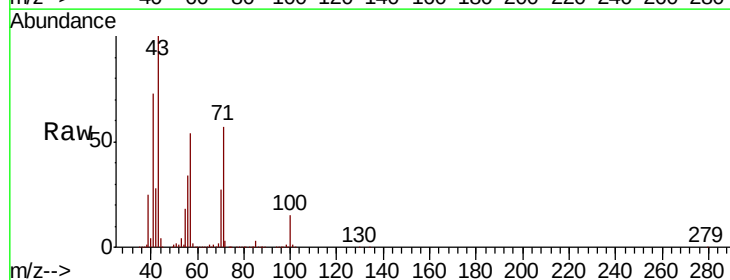
Acq: 24 Jun 2019 11:41

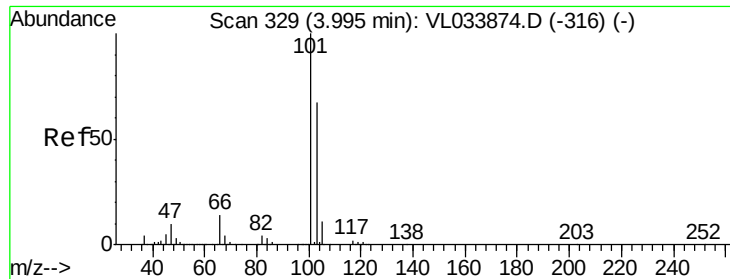
Tgt Ion: 43 Resp: 1285516

Ion Ratio Lower Upper

43 100

57 51.8 41.7 62.5





#11

Trichlorofluoromethane

Concen: 7.960 ppbv

RT: 3.99 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion:101 Resp: 1878249

Ion Ratio Lower Upper

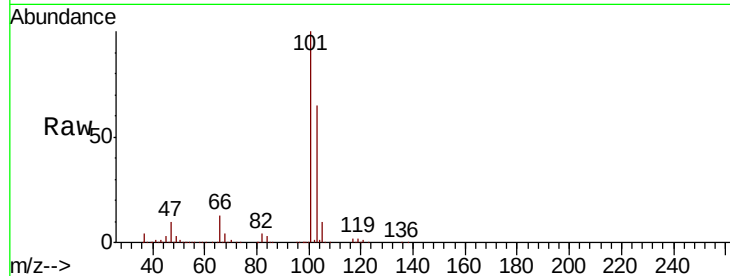
101 100

103 65.3 53.6 80.4

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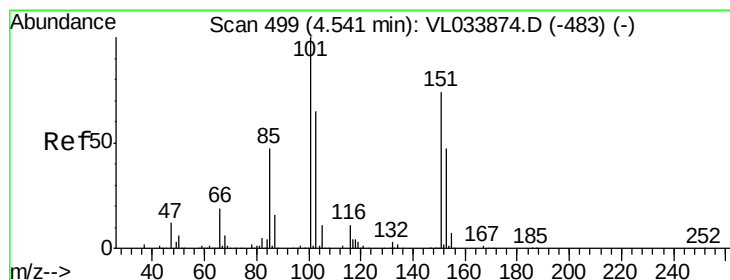
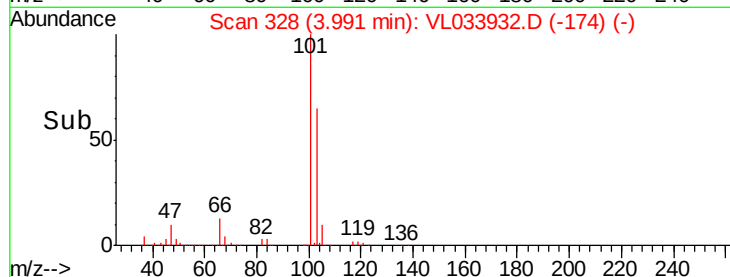
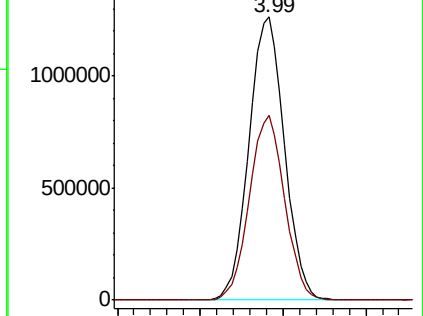
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.001 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL033932.D

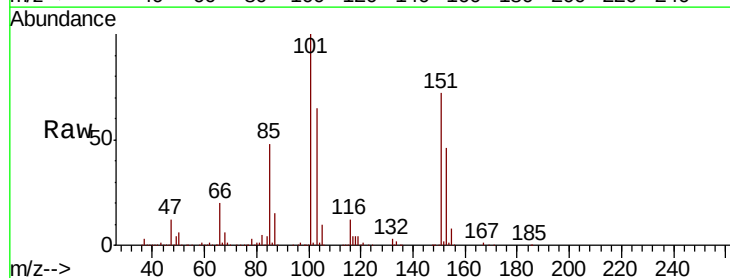
Acq: 24 Jun 2019 11:41

Tgt Ion:101 Resp: 1275921

Ion Ratio Lower Upper

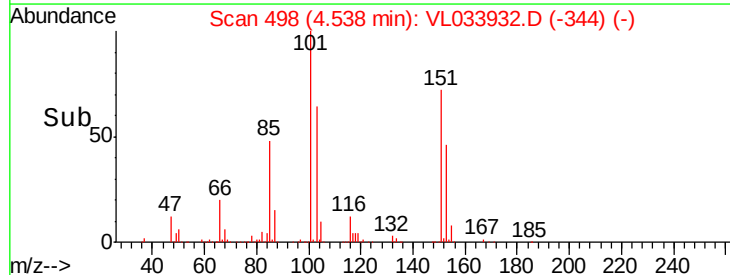
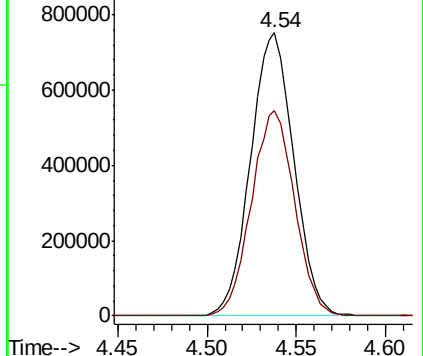
101 100

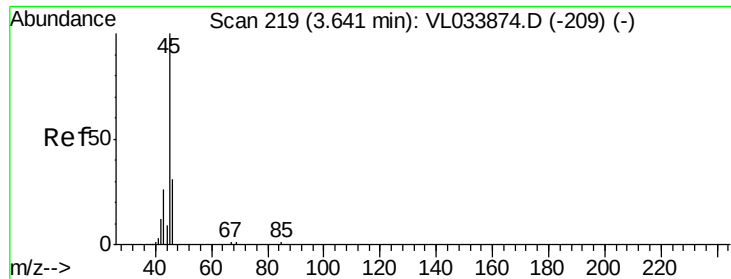
151 72.8 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





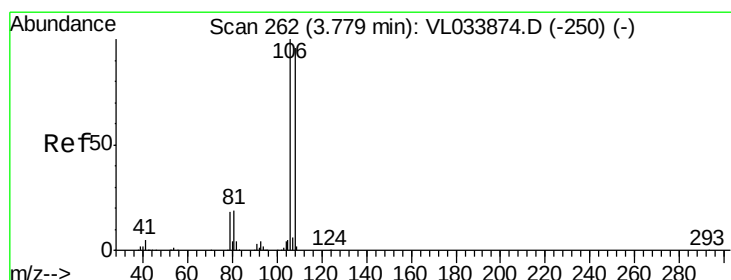
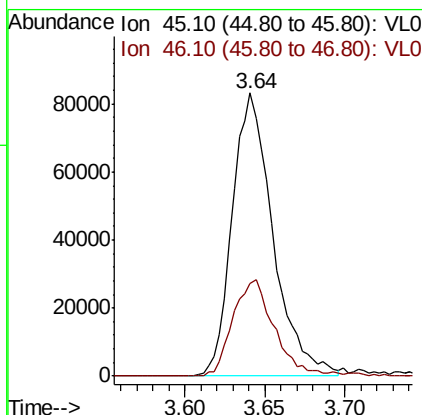
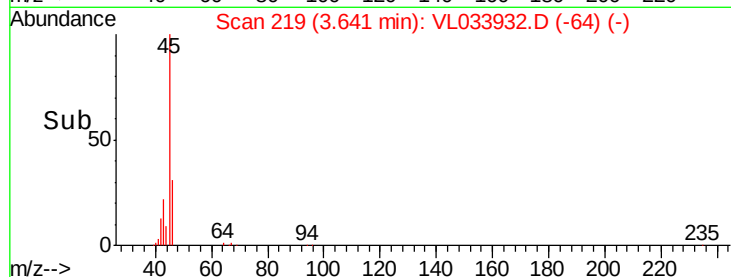
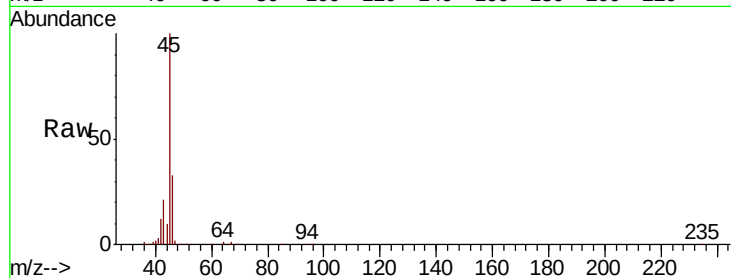
#13
Ethanol
Concen: 8.937 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	35.2	15.3	61.1	

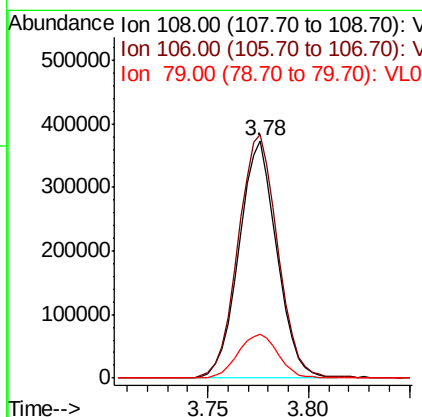
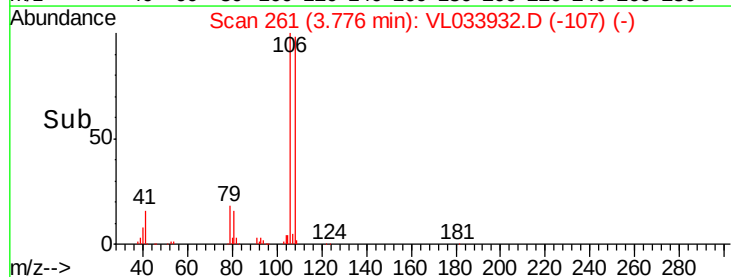
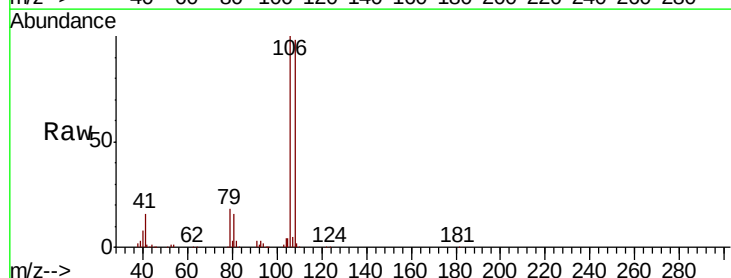
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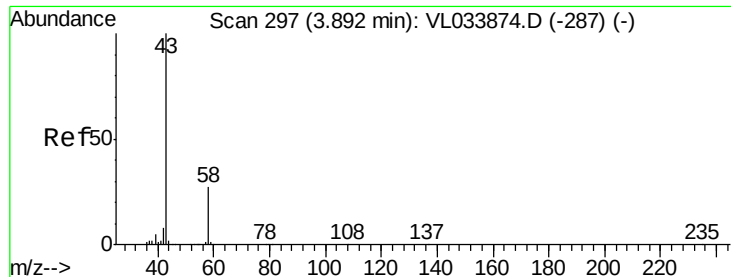
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#14
Bromoethene
Concen: 8.305 ppbv
RT: 3.78 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	107.6	84.9	127.3	
79	19.6	15.4	23.0	





#15

Acetone

Concen: 8.388 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 43 Resp: 1378665

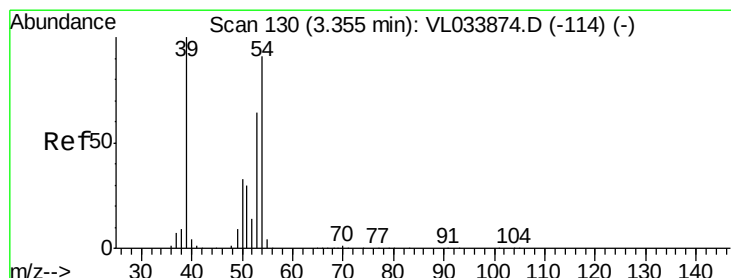
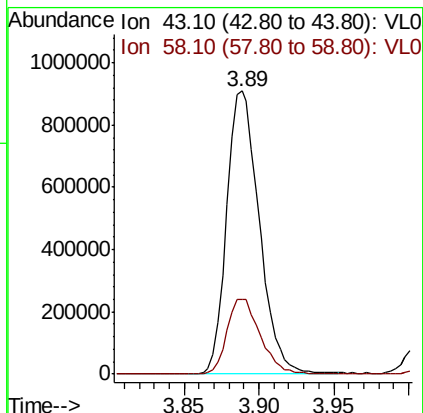
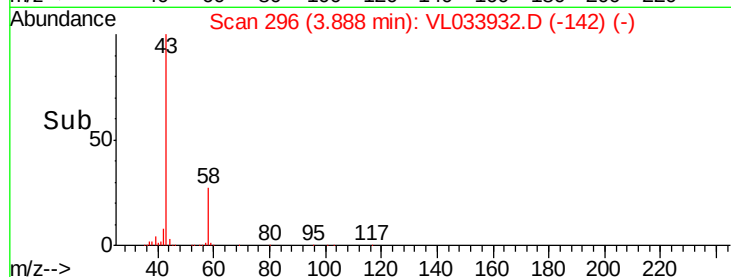
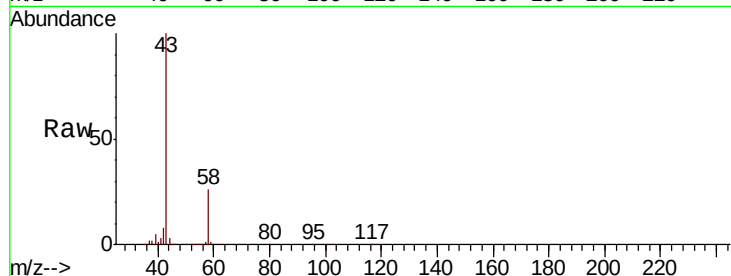
Ion Ratio Lower Upper

43 100

58 27.3 21.3 31.9

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#16

1,3-Butadiene

Concen: 8.180 ppbv

RT: 3.35 min Scan# 130

Delta R.T. -0.00 min

Lab File: VL033932.D

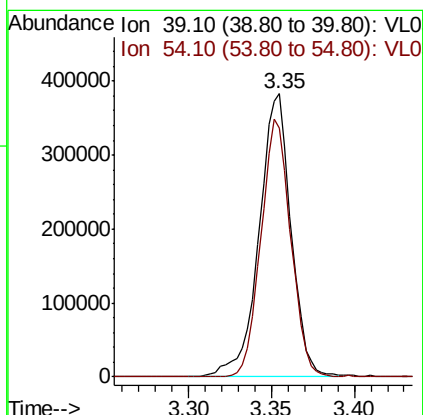
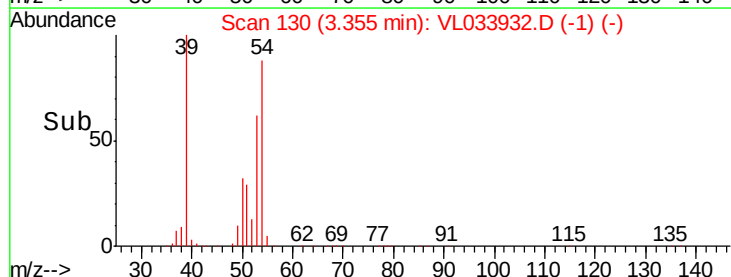
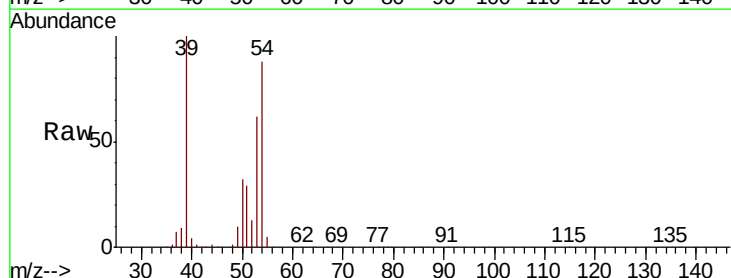
Acq: 24 Jun 2019 11:41

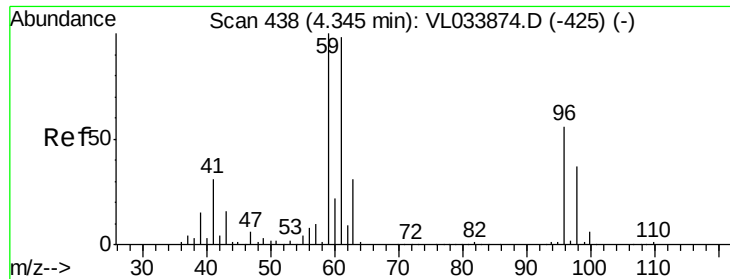
Tgt Ion: 39 Resp: 511788

Ion Ratio Lower Upper

39 100

54 85.4 68.6 103.0





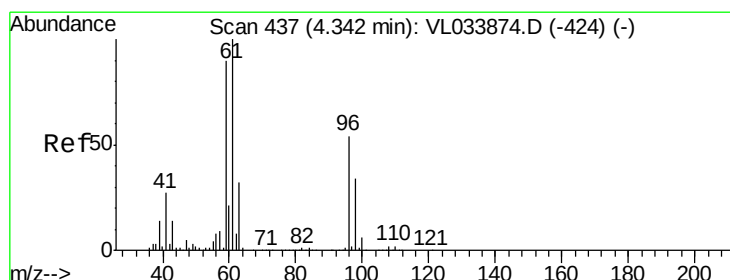
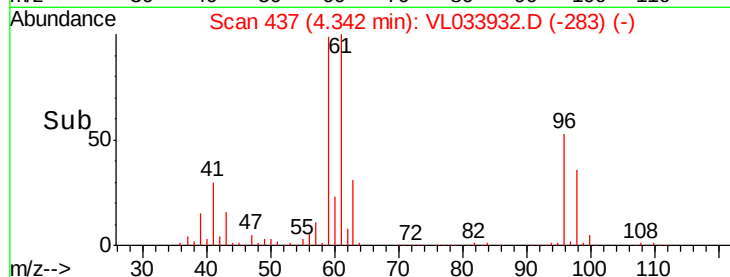
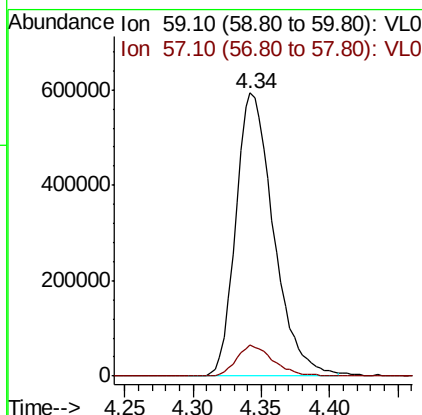
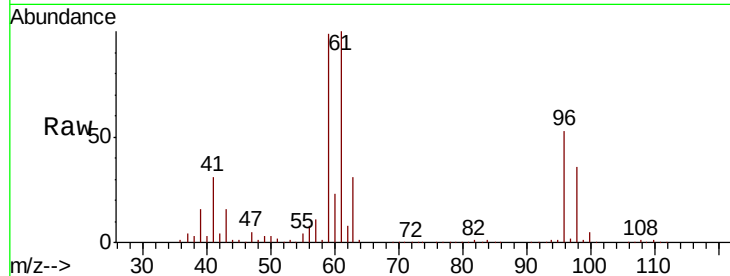
#17
 tert-Butyl alcohol
 Concen: 8.881 ppbv
 RT: 4.34 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion: 59 Resp: 1141190
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

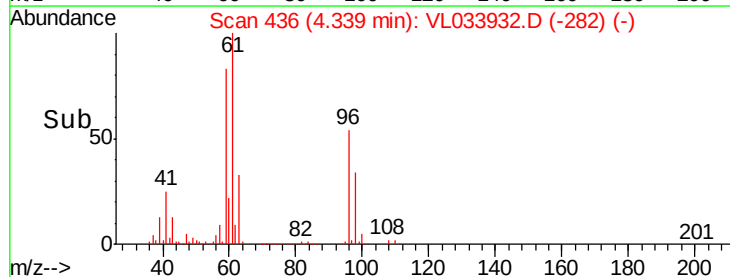
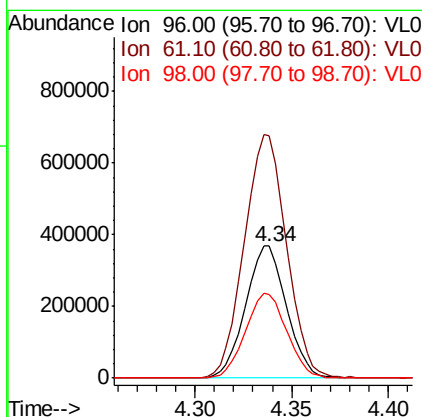
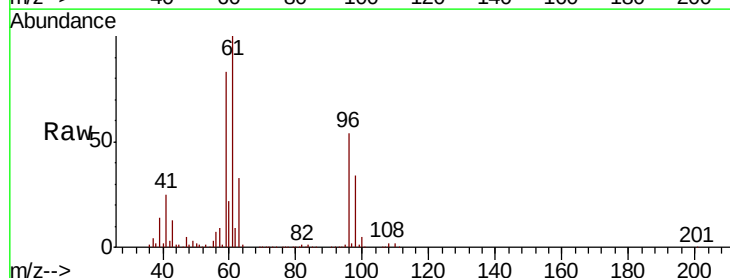
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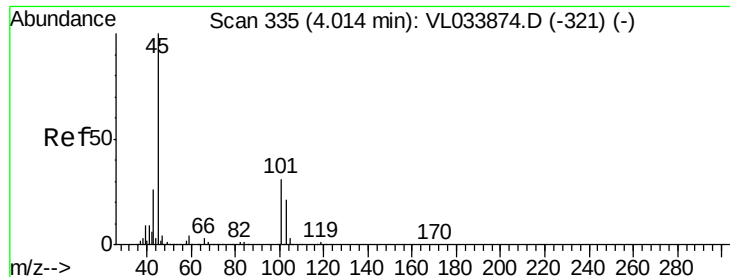
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#18
 1,1-Dichloroethene
 Concen: 8.054 ppbv
 RT: 4.34 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion: 96 Resp: 542509
 Ion Ratio Lower Upper
 96 100
 61 183.6 147.0 220.6
 98 63.3 49.4 74.0





#19

Isopropyl Alcohol

Concen: 9.300 ppbv

RT: 4.01 min Scan# 335

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 45 Resp: 873267

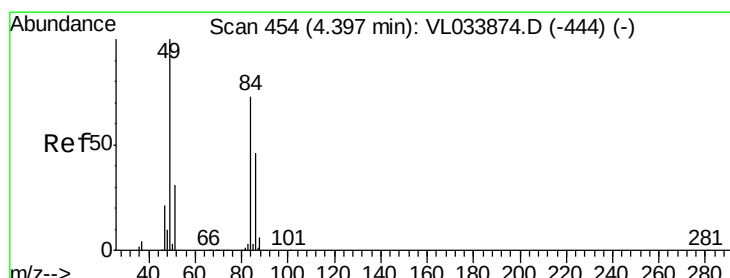
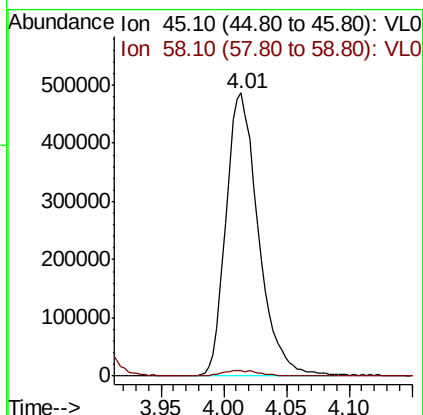
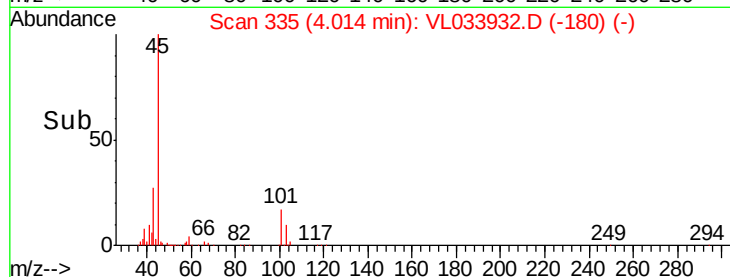
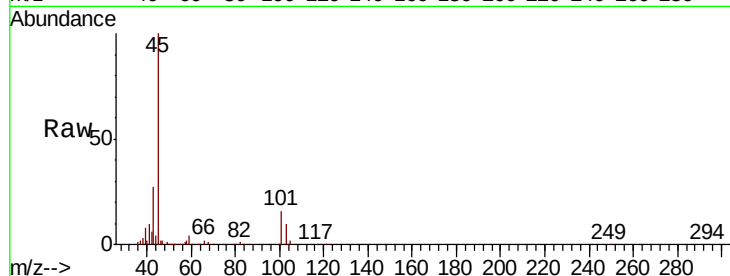
Ion Ratio Lower Upper

45 100

58 2.4 1.8 2.6

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#20

Methylene Chloride

Concen: 7.346 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion: 84 Resp: 470856

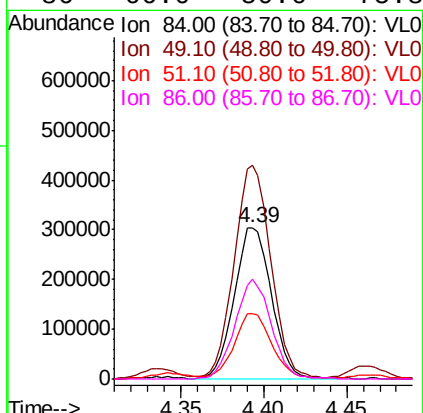
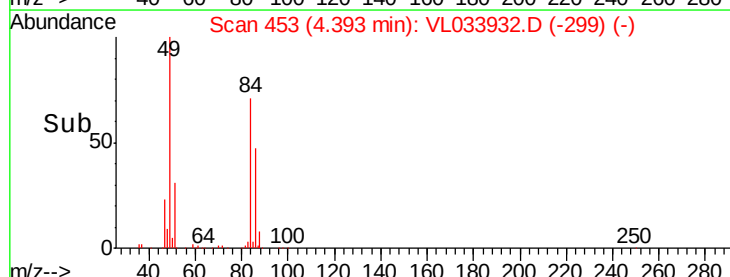
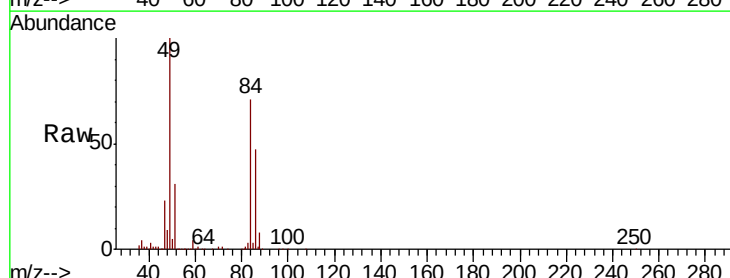
Ion Ratio Lower Upper

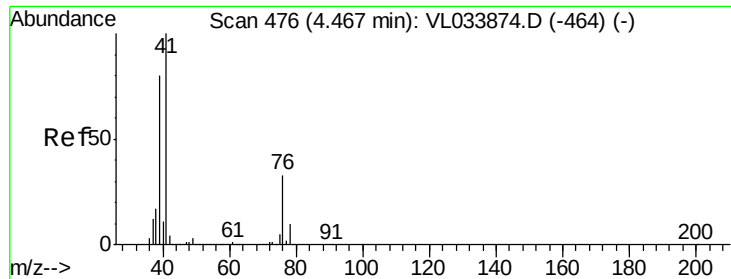
84 100

49 140.1 110.0 165.0

51 42.5 34.6 51.8

86 66.0 50.6 75.8





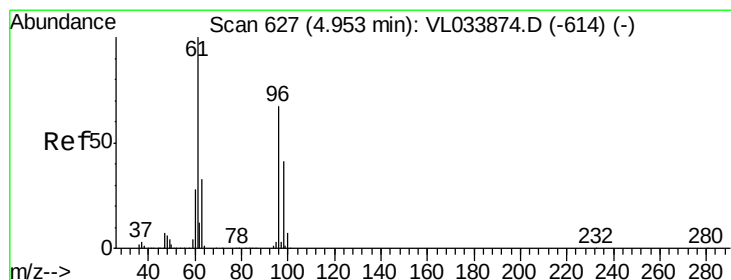
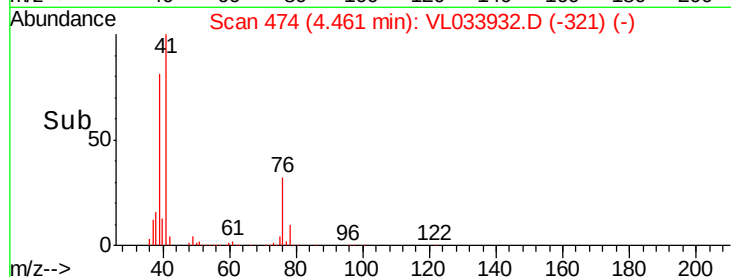
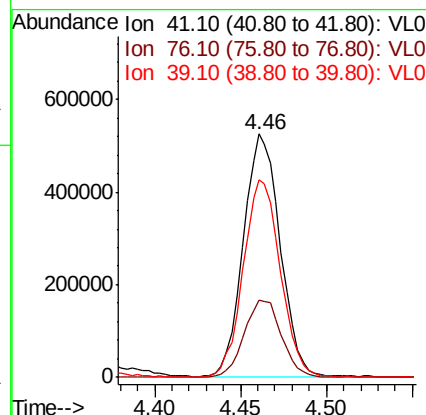
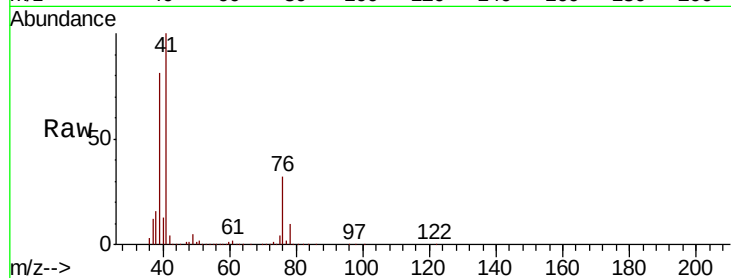
#21
Allvl Chloride
Concen: 8.299 ppbv
RT: 4.46 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.6	39.8
39	82.6	65.2	97.8

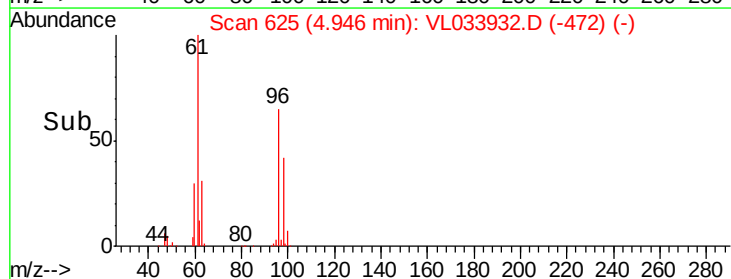
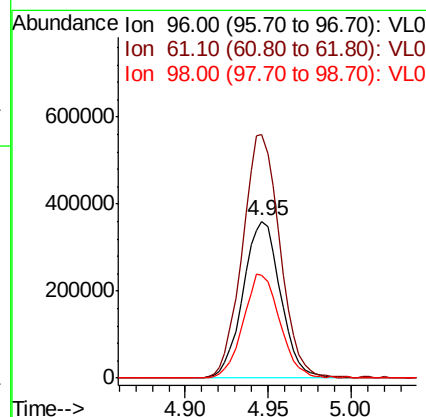
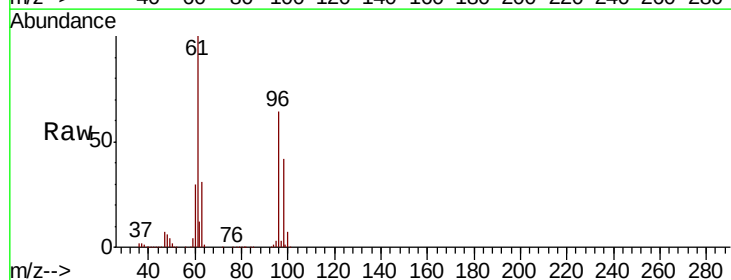
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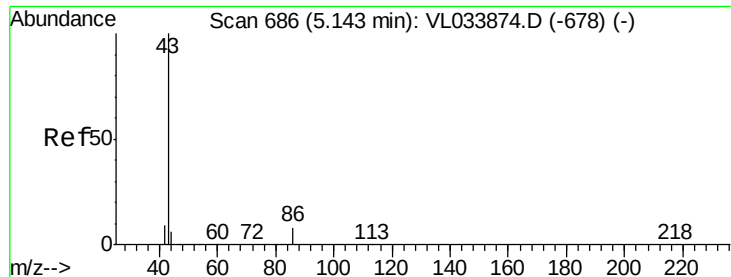
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#22
trans-1,2-Dichloroethene
Concen: 8.007 ppbv
RT: 4.95 min Scan# 625
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	119.0	178.6
98	65.1	48.3	72.5





#23

Vinyl Acetate

Concen: 9.038 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 43 Resp: 1726857

Ion Ratio Lower Upper

43 100

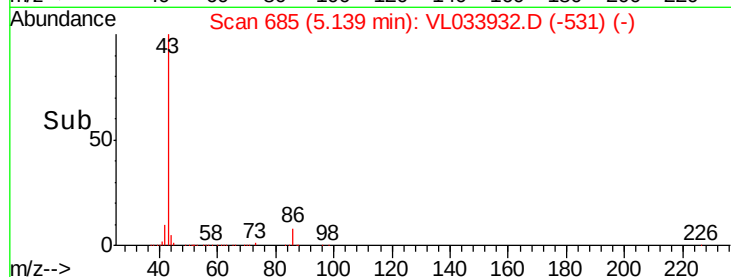
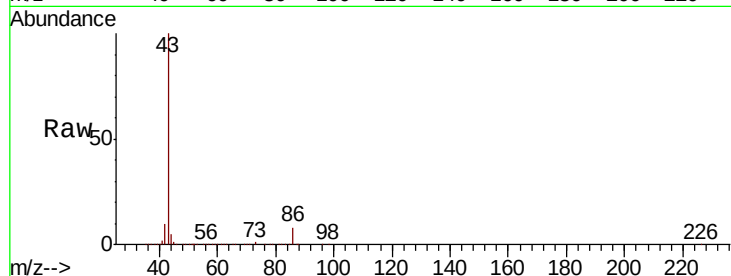
86 7.7 5.8 8.8

42 10.3 7.8 11.8

44 5.1 4.2 6.4

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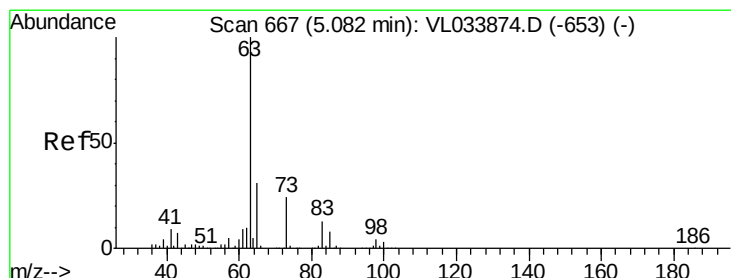
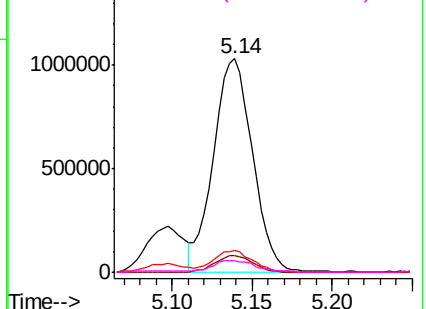


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.031 ppbv

RT: 5.07 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

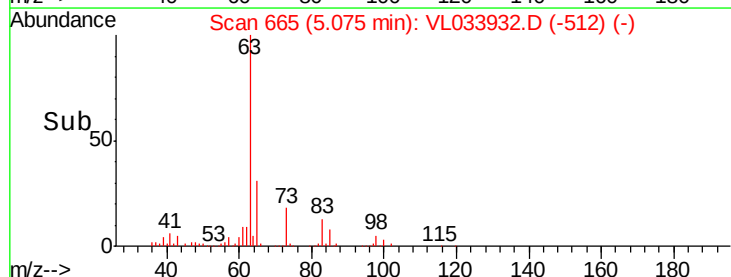
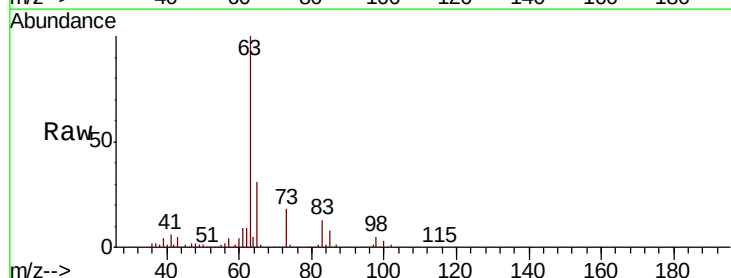
Tgt Ion: 63 Resp: 1193430

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

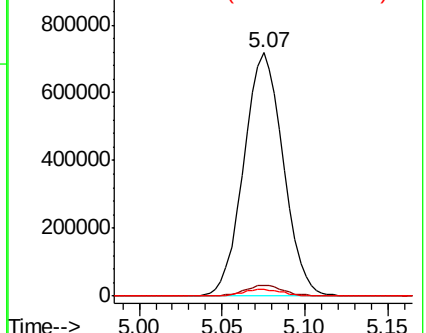
100 2.6 1.3 3.8

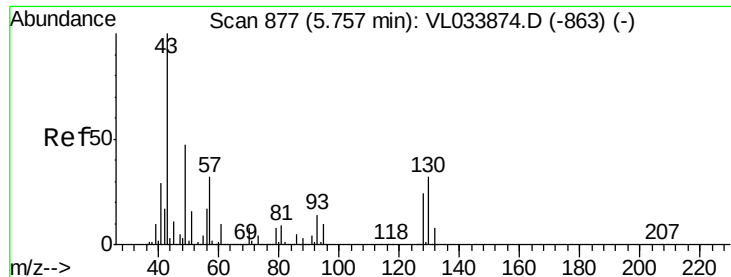


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





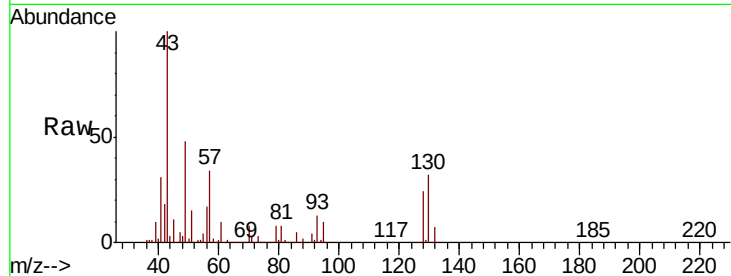
#25
Ethyl Acetate
Concen: 9.385 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

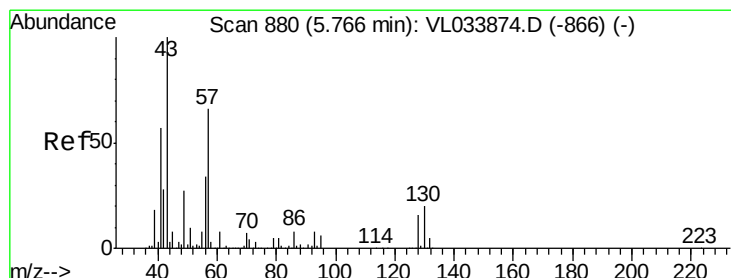
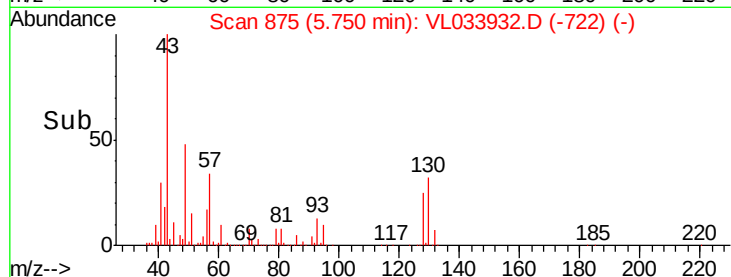
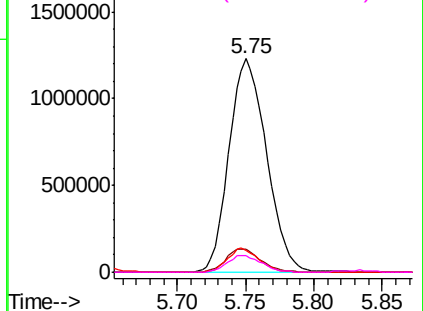
Tot Ion	43	Resp	2349399
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.5	7.8	11.6
70	7.4	5.8	8.6

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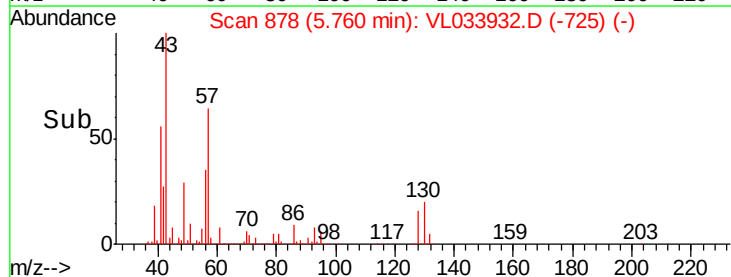
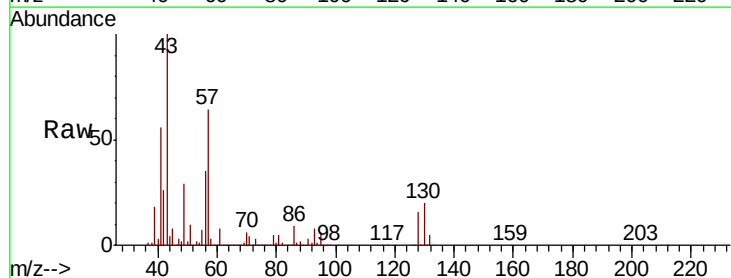
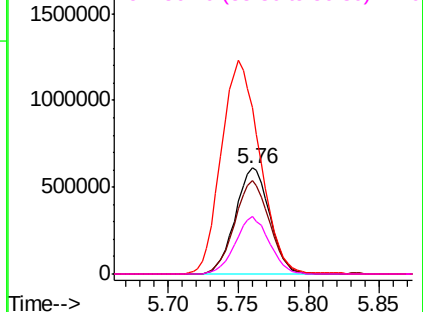
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

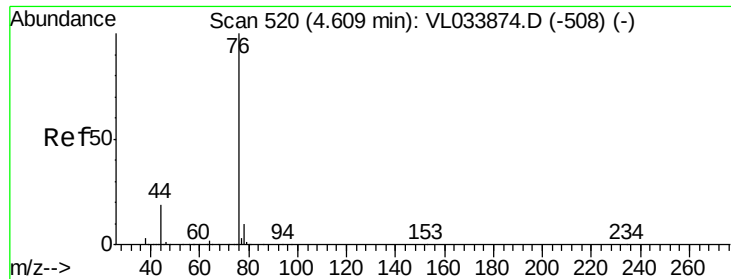


#26
Hexane
Concen: 9.142 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	57	Resp	1041952
Ion	Ratio	Lower	Upper
57	100		
41	89.6	71.4	107.2
43	226.3	183.7	275.5
56	53.4	42.7	64.1

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.639 ppbv

RT: 4.60 min Scan# 518

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 76 Resp: 1367905

Ion Ratio Lower Upper

76 100

44 17.9 14.4 21.6

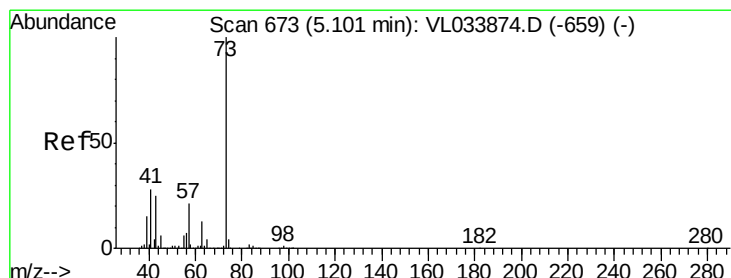
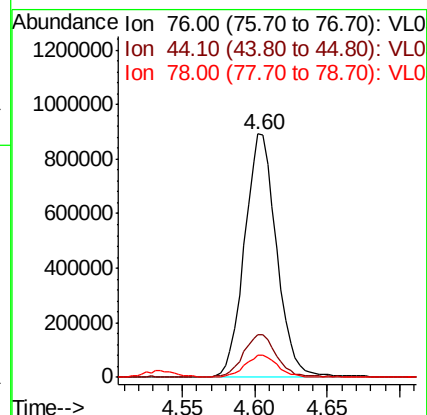
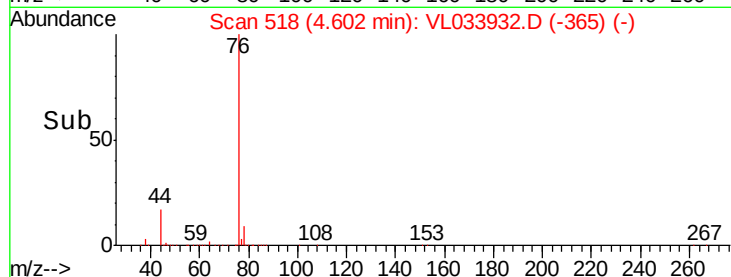
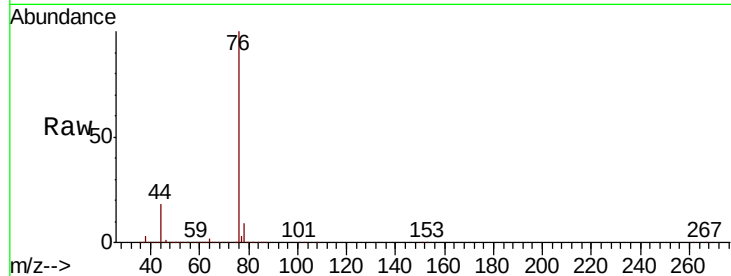
78 9.3 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 8.968 ppbv

RT: 5.10 min Scan# 672

Delta R.T. -0.00 min

Lab File: VL033932.D

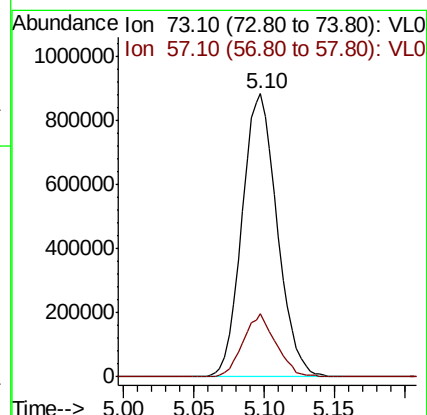
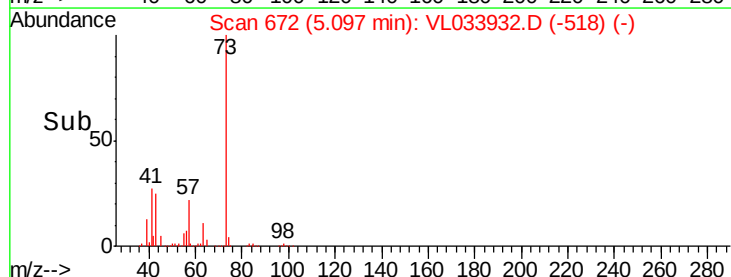
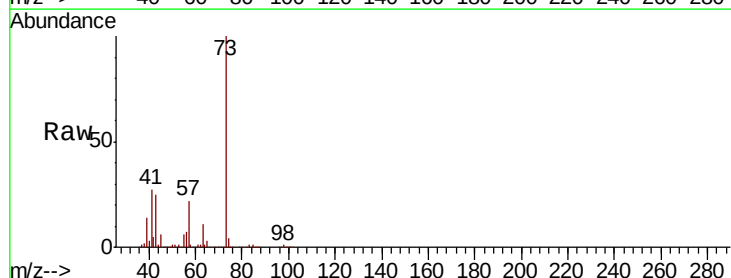
Acq: 24 Jun 2019 11:41

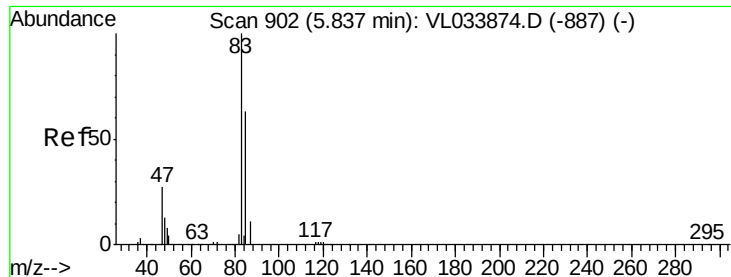
Tgt Ion: 73 Resp: 1545643

Ion Ratio Lower Upper

73 100

57 21.1 17.2 25.8





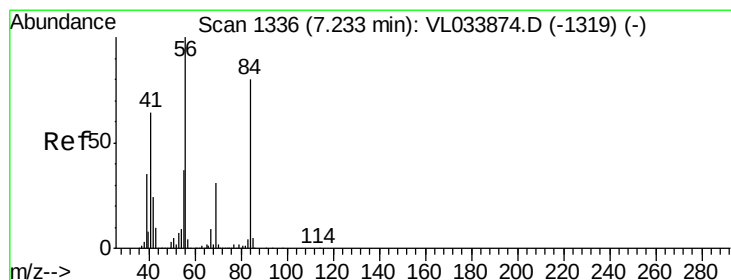
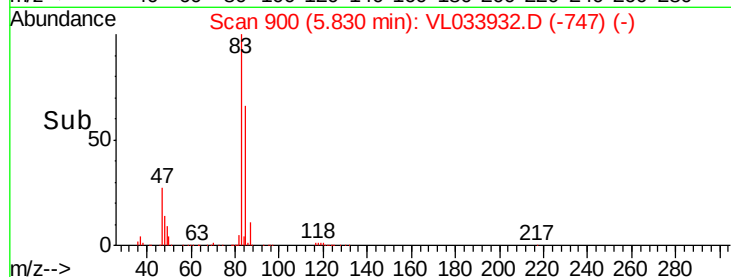
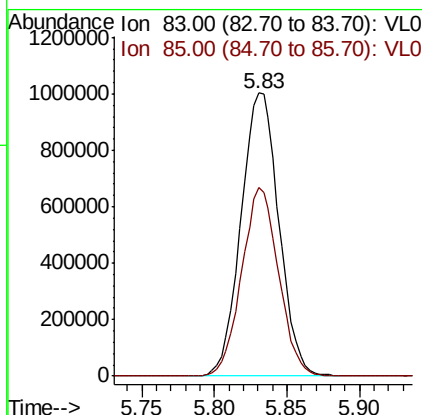
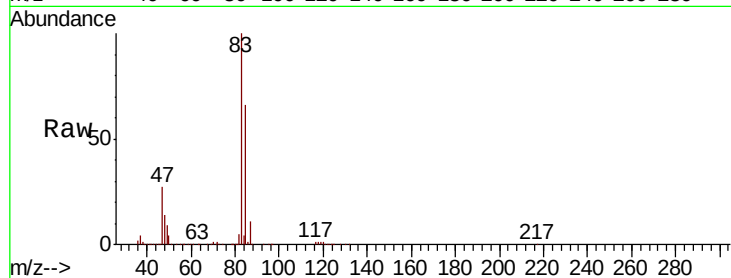
#29
Chloroform
Concen: 9.340 ppbv
RT: 5.83 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion: 83 Resp: 1823159
Ion Ratio Lower Upper
83 100
85 66.4 50.5 75.7

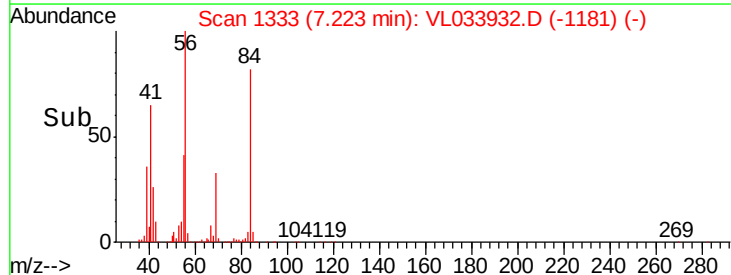
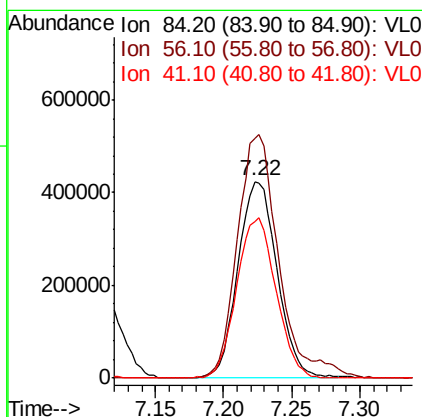
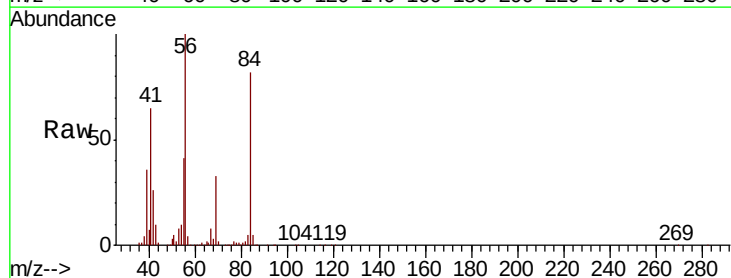
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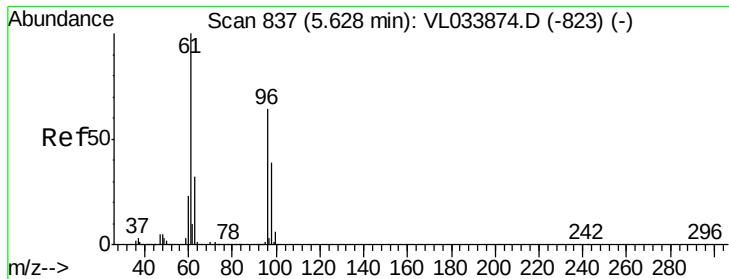
MMDadoda
6/26/2019 8:15:30 AM



#30
Cyclohexane
Concen: 10.550 ppbv
RT: 7.22 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion: 84 Resp: 849548
Ion Ratio Lower Upper
84 100
56 131.3 105.8 158.8
41 81.9 65.7 98.5





#31

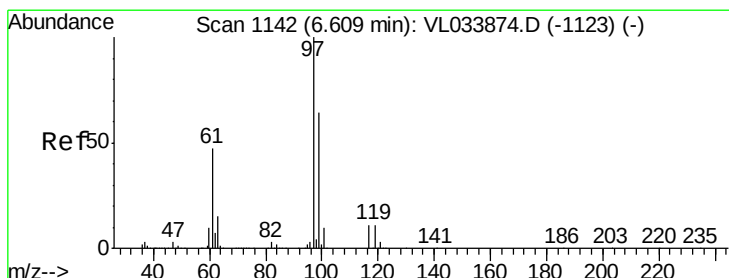
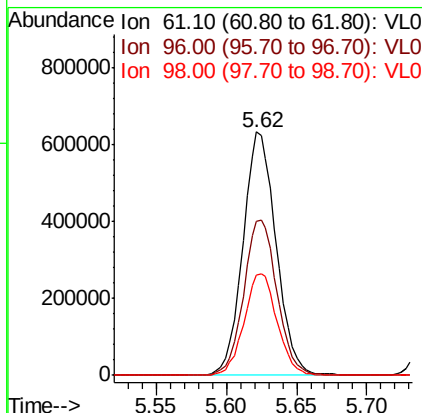
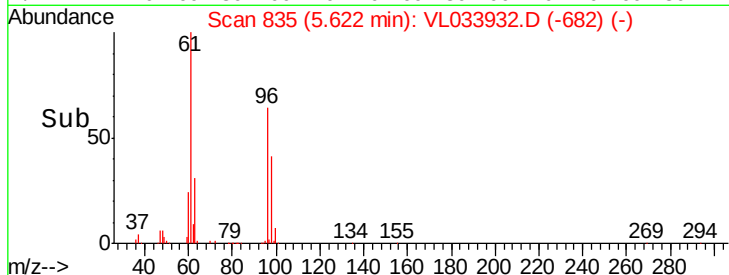
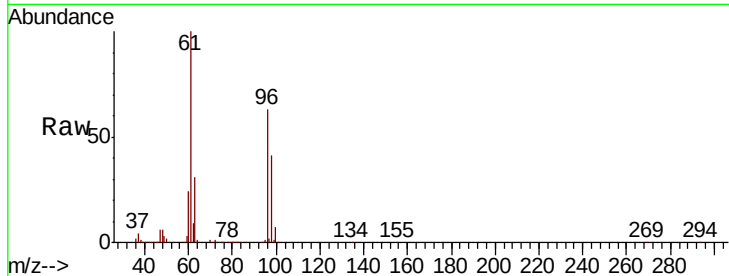
cis-1,2-Dichloroethene
Concen: 10.412 ppbv
RT: 5.62 min Scan# 835
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.4	50.9	76.3
98	41.2	31.4	47.2

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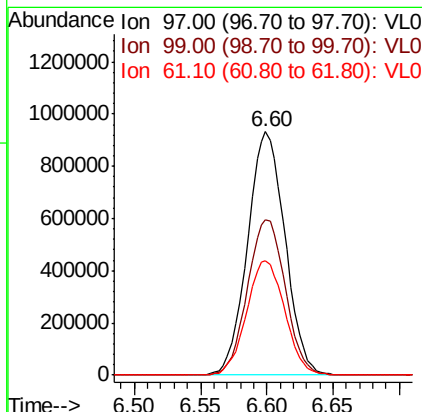
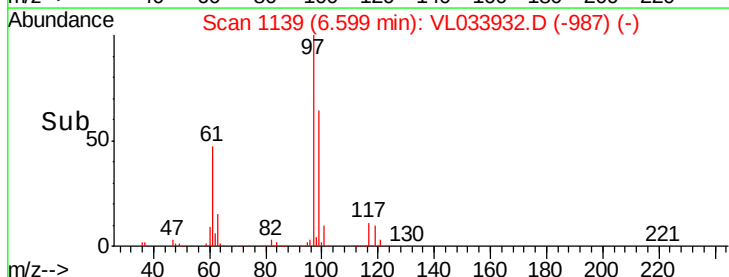
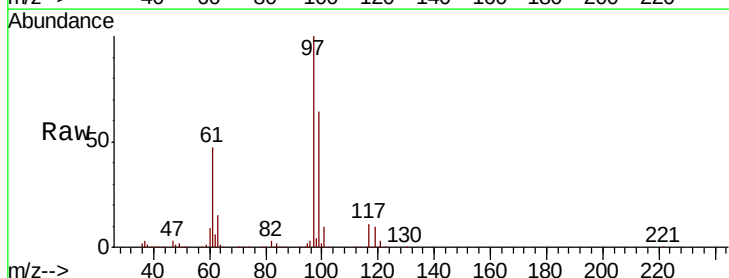
MMDadoda
6/26/2019 8:15:30 AM

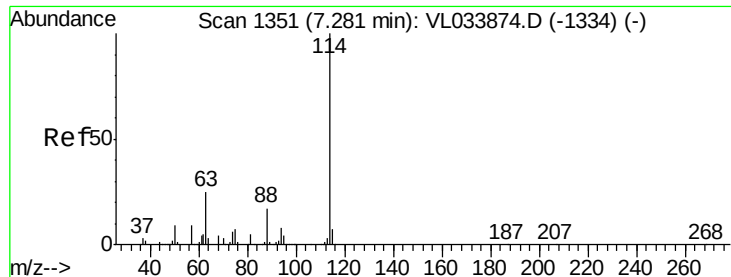


#32

1,1,1-Trichloroethane
Concen: 9.747 ppbv
RT: 6.60 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	48.0	37.7	56.5





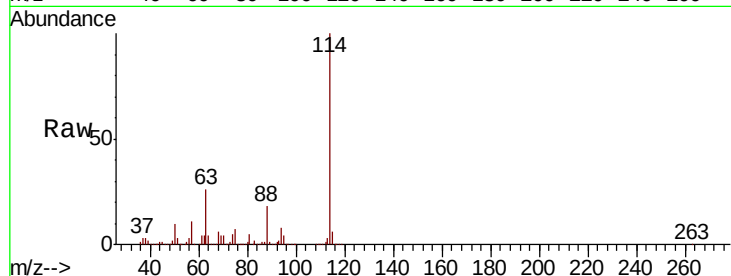
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

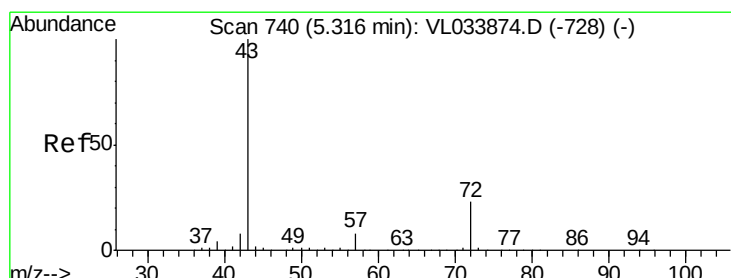
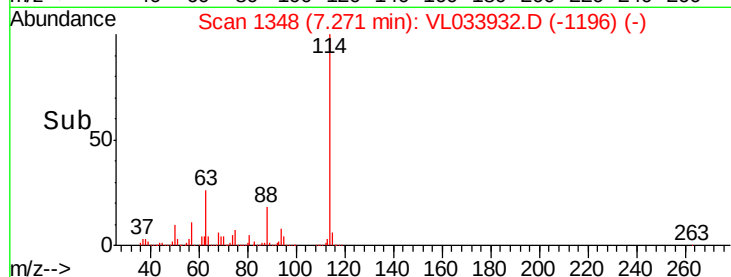
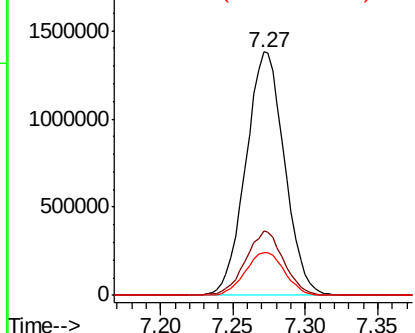
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.1	31.7
88	18.0	14.2	21.4

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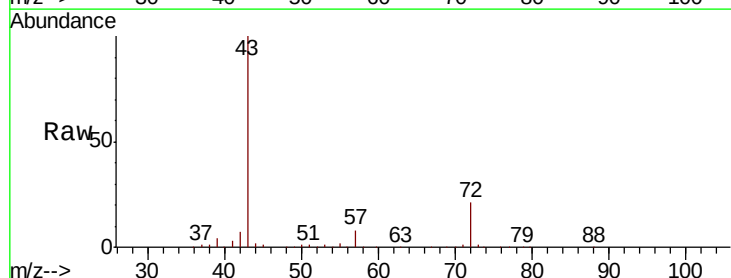


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

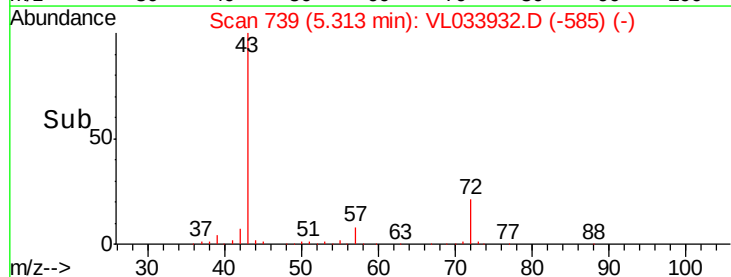
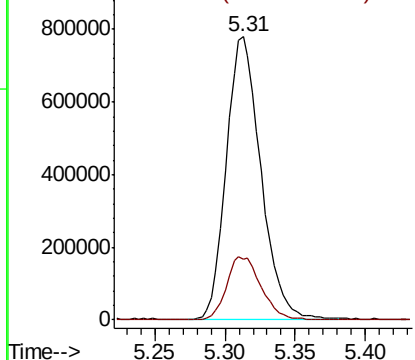


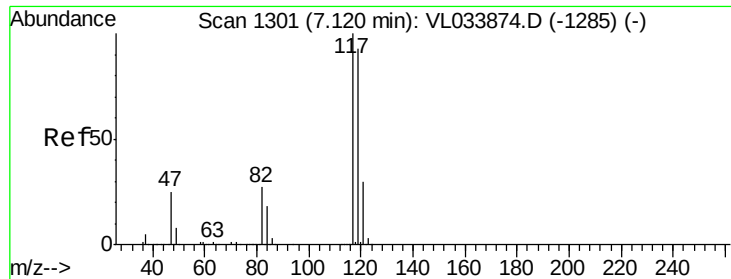
#34
 2-Butanone
 Concen: 9.221 ppbv
 RT: 5.31 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.058 ppbv

RT: 7.11 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

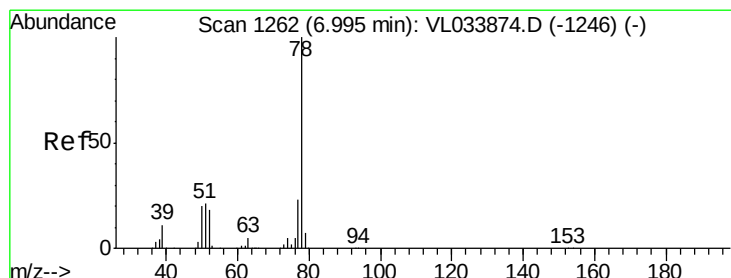
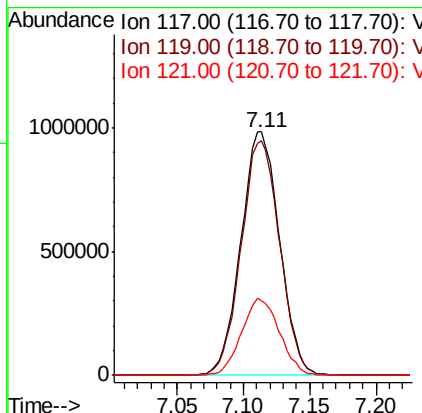
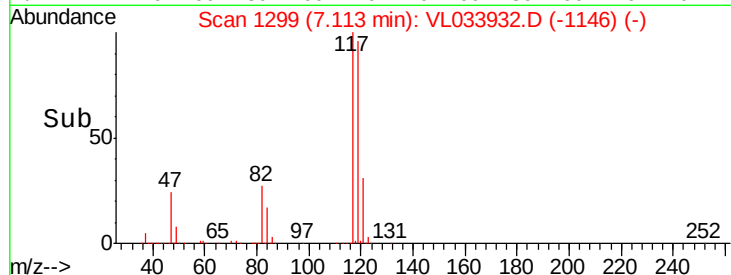
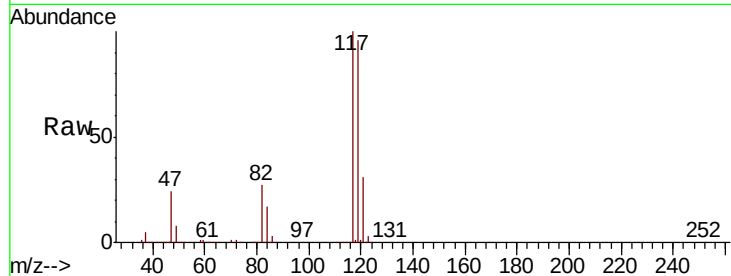
ClientSampleId :

VL0624ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.6	111.8
121	30.7	24.0	36.0

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#36

Benzene

Concen: 10.515 ppbv

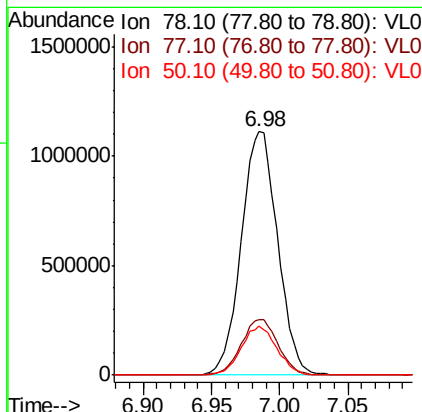
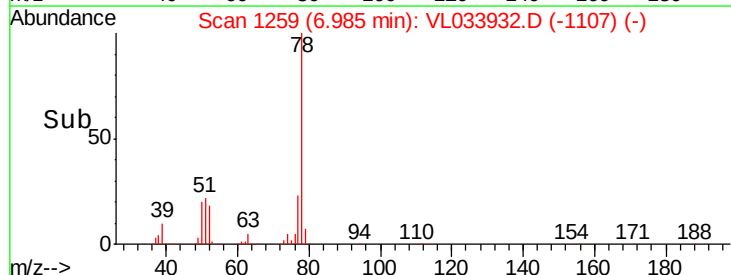
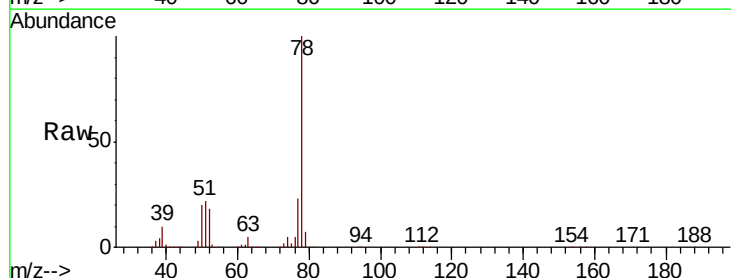
RT: 6.98 min Scan# 1259

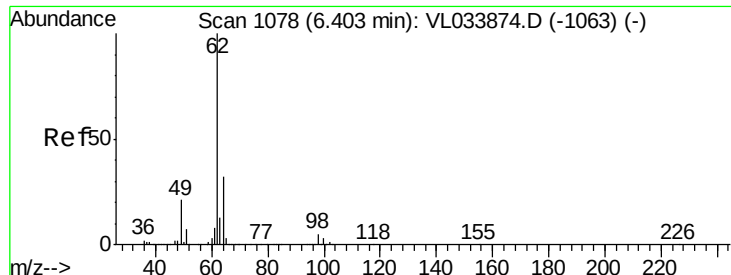
Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2
50	19.9	15.9	23.9





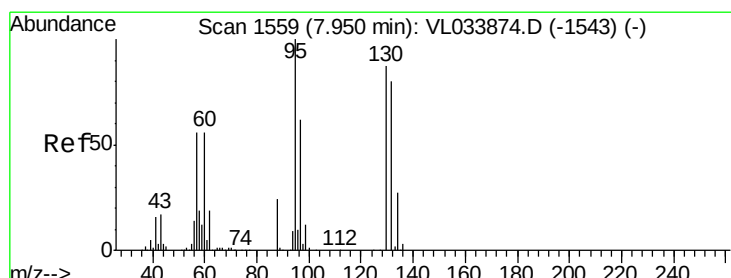
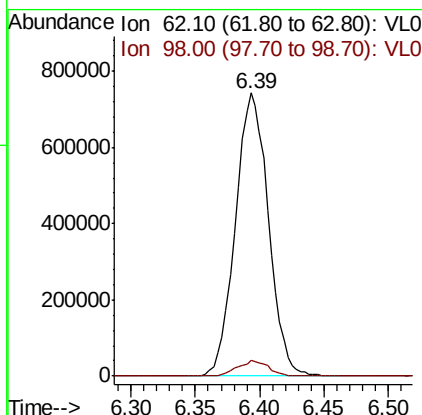
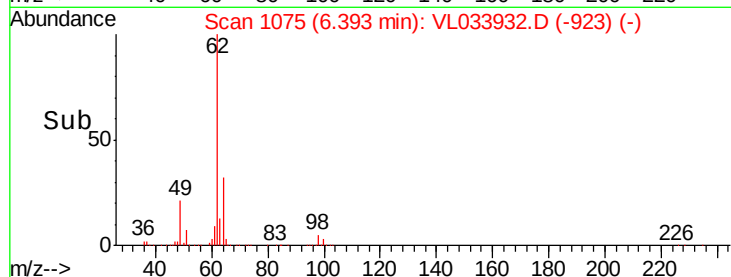
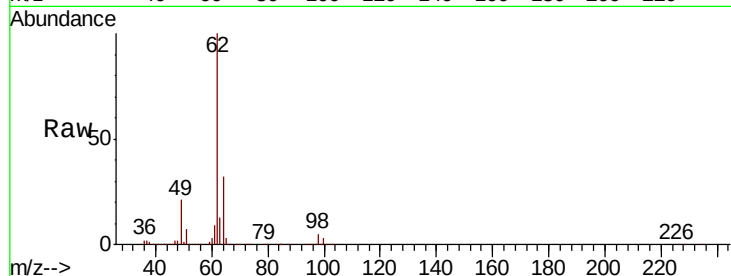
#37
 1,2-Dichloroethane
 Concen: 9.122 ppbv
 RT: 6.39 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.0	6.0

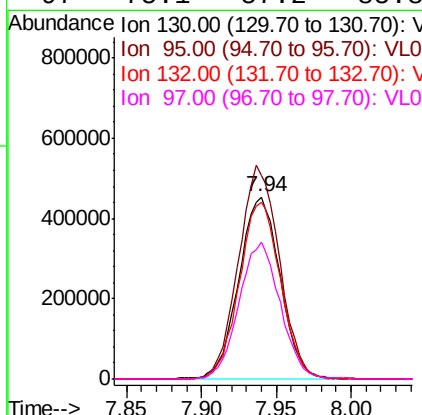
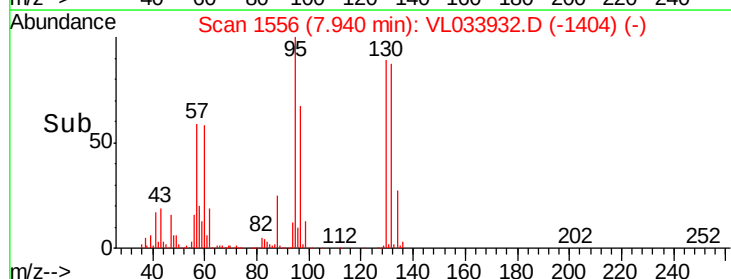
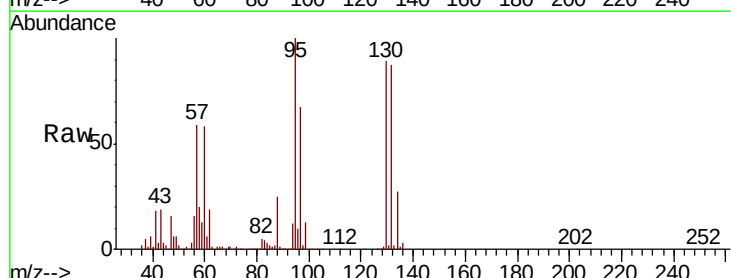
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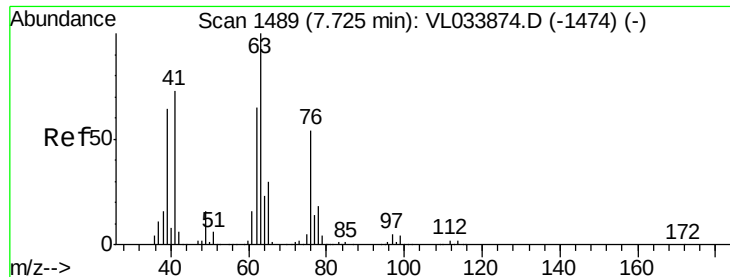
MMDadoda
 6/26/2019 8:15:30 AM



#38
 Trichloroethene
 Concen: 11.383 ppbv
 RT: 7.94 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.9	92.0	138.0
132	97.2	73.8	110.8
97	75.1	57.2	85.8





#39

1,2-Dichloropropane

Concen: 9.986 ppbv

RT: 7.71 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

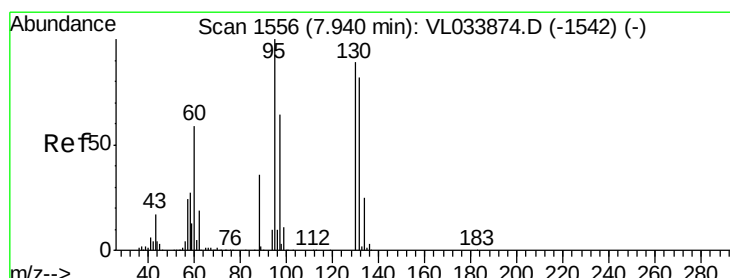
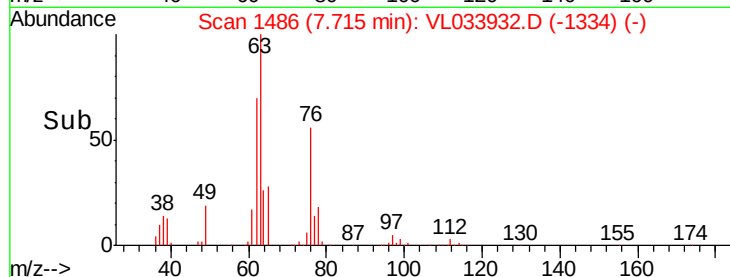
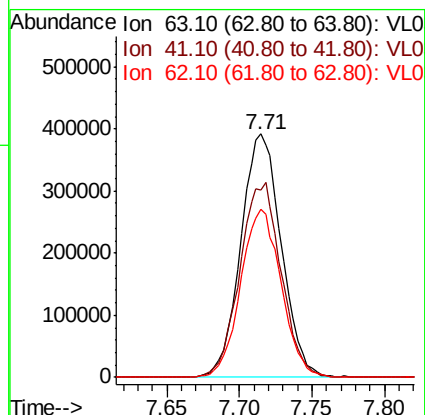
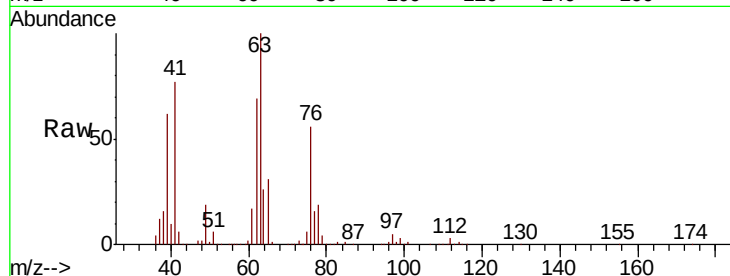
ClientSampleId :

VL0624ABS01

Tot Ion:	63	Resp:	754274
Ion	Ratio	Lower	Upper
63	100		
41	76.7	58.7	88.1
62	69.3	51.9	77.9

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#40

1,4-Dioxane

Concen: 10.395 ppbv

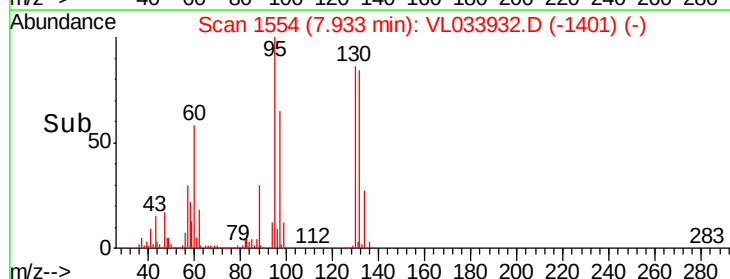
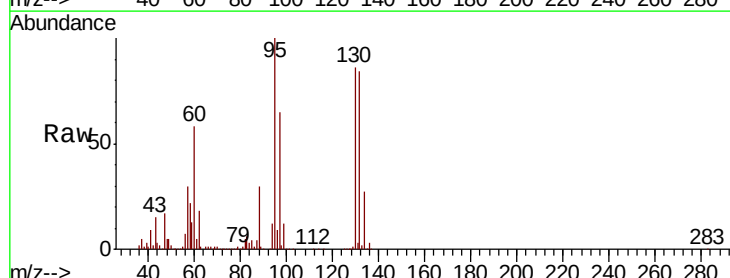
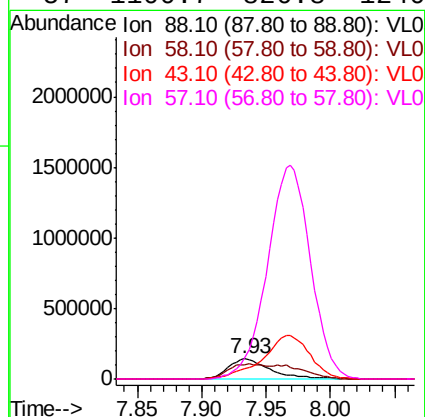
RT: 7.93 min Scan# 1554

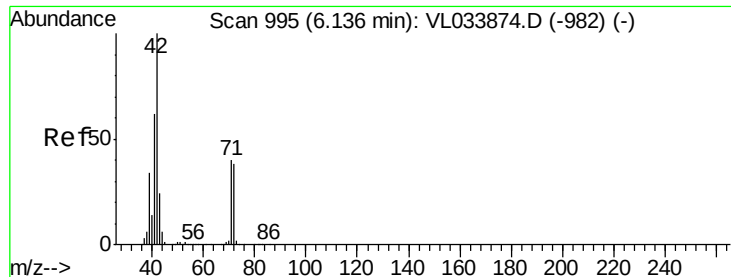
Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion:	88	Resp:	320240
Ion	Ratio	Lower	Upper
88	100		
58	125.0	100.0	150.0
43	245.6	184.7	277.1
57	1100.7	826.8	1240.2





#41

Tetrahydrofuran

Concen: 10.474 ppbv

RT: 6.13 min Scan# 993

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

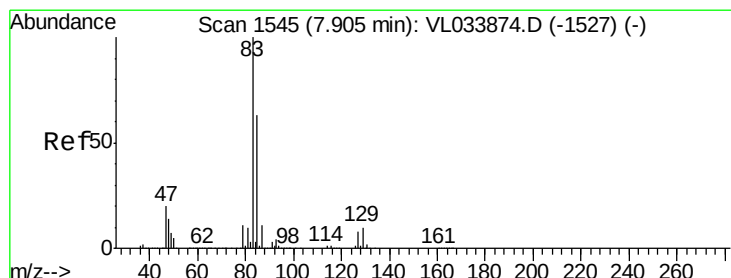
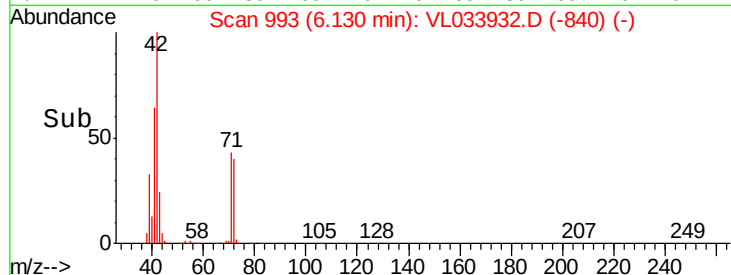
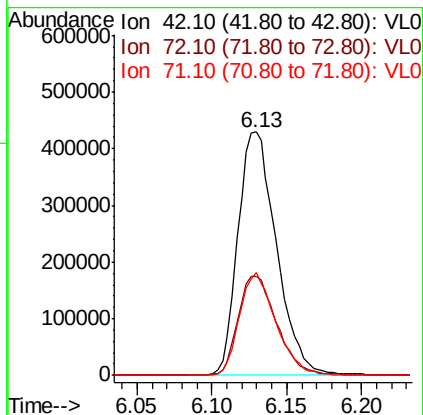
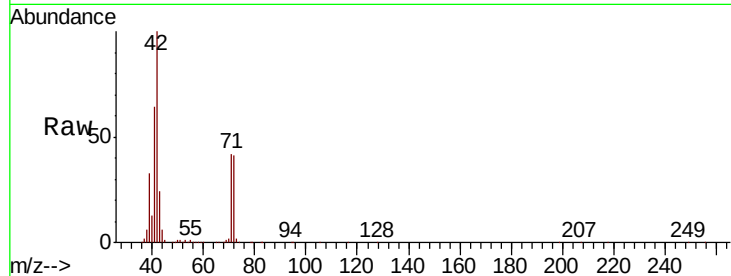
ClientSampleId :

VL0624ABS01

Tot Ion:	42	Resp:	768399
Ion Ratio		Lower	Upper
42	100		
72	41.1	32.2	48.4
71	40.1	31.7	47.5

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#42

Bromodichloromethane

Concen: 9.995 ppbv

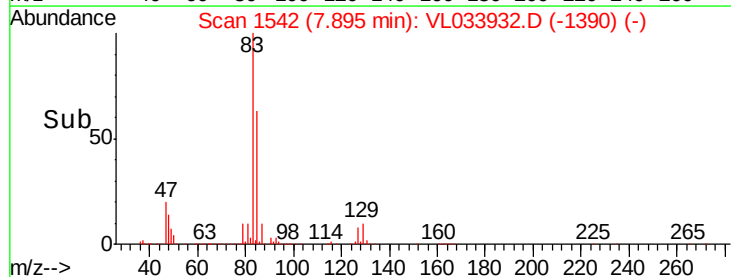
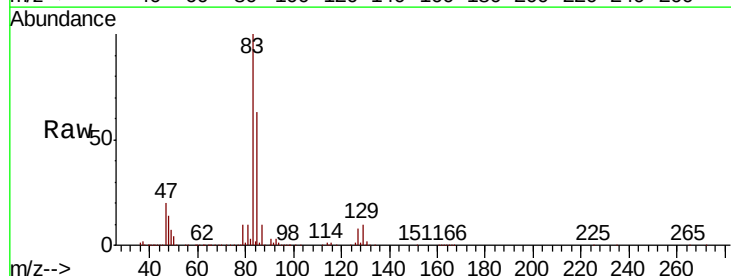
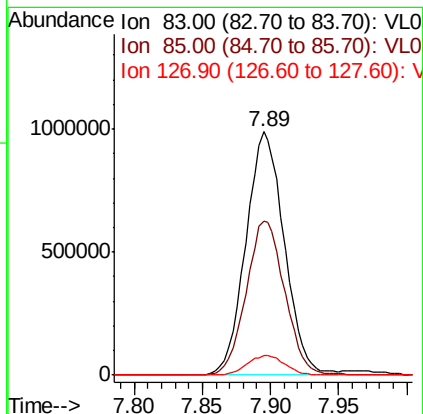
RT: 7.89 min Scan# 1542

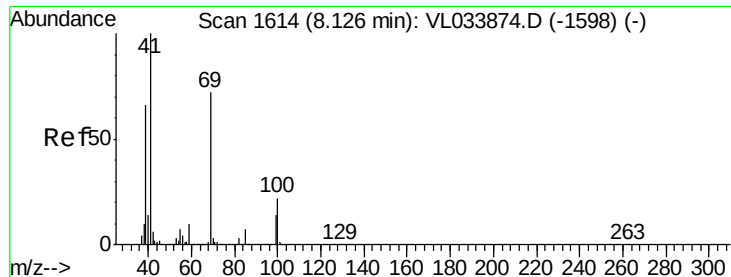
Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion:	83	Resp:	1933214
Ion Ratio		Lower	Upper
83	100		
85	63.2	50.2	75.2
127	8.2	6.5	9.7





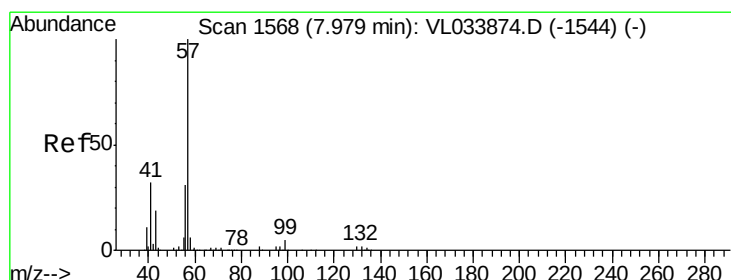
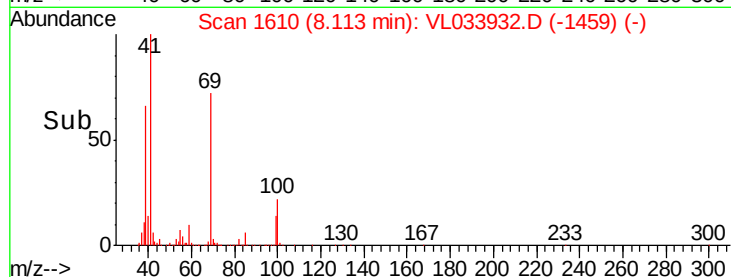
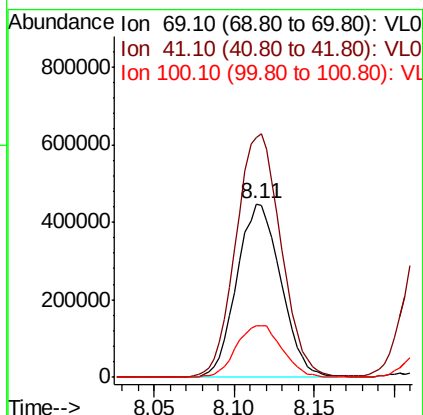
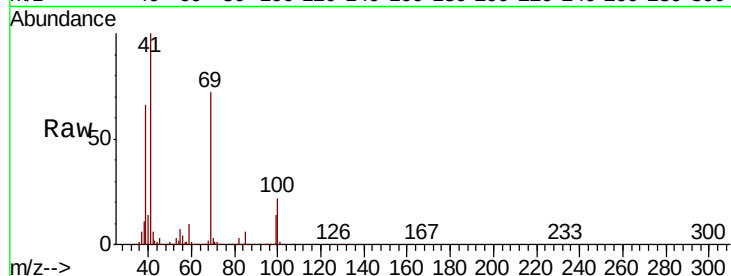
#43
Methyl Methacrylate
Concen: 11.509 ppbv
RT: 8.11 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	143.5	114.3	171.5
100	31.1	24.8	37.2

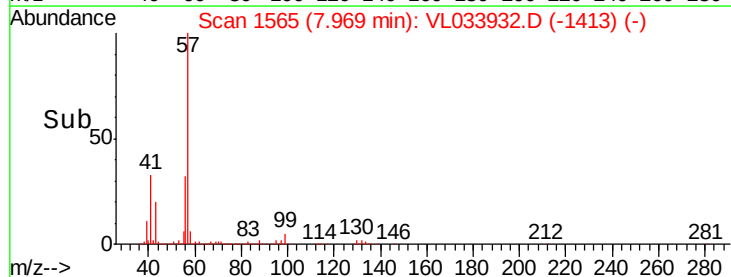
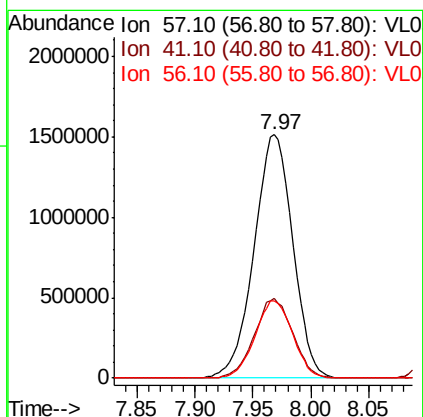
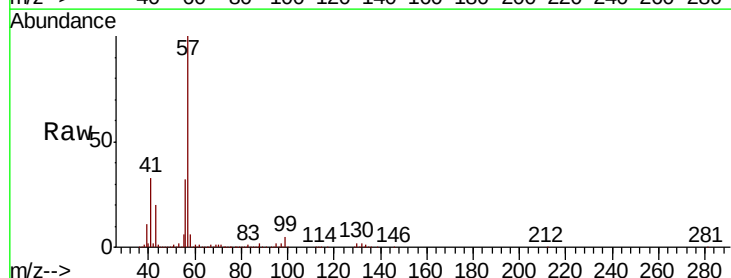
Manual Integrations
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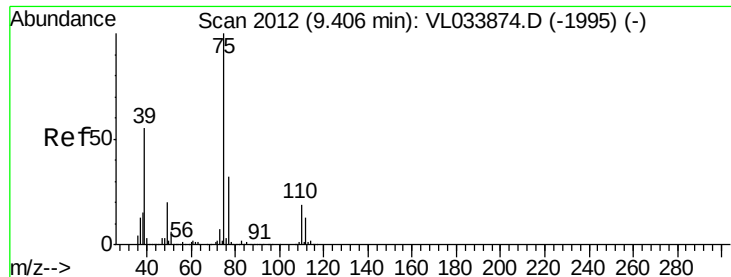
MMDadoda
6/26/2019 8:15:30 AM



#44
2,2,4-Trimethylpentane
Concen: 10.110 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.4	26.1	39.1
56	31.0	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 10.862 ppbv

RT: 9.39 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 75 Resp: 1043235

Ion Ratio Lower Upper

75 100

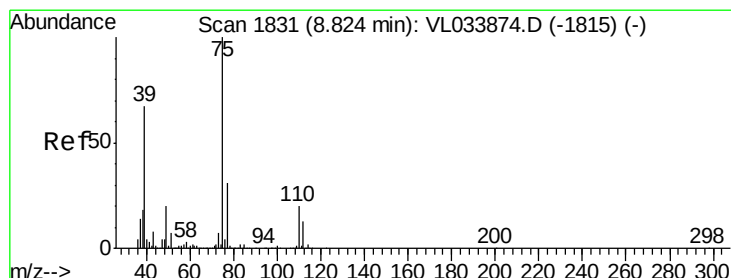
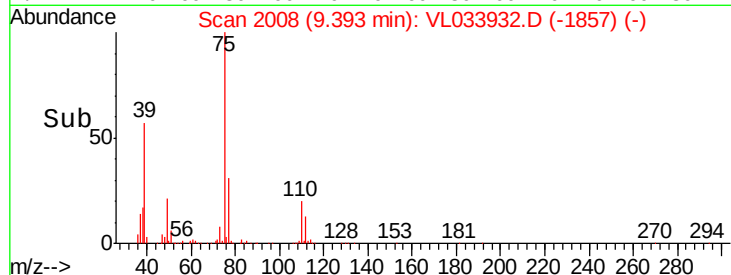
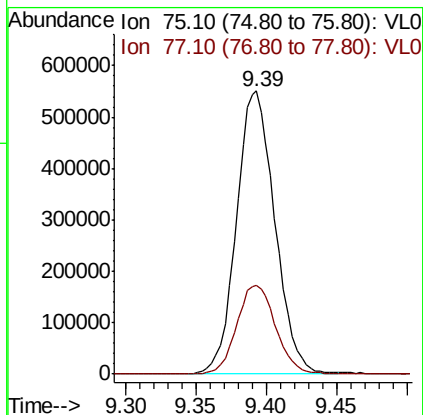
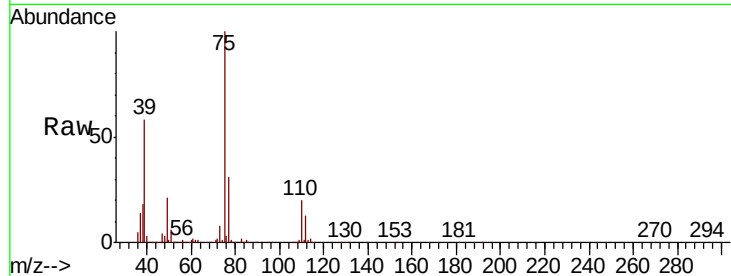
77 31.3 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 11.314 ppbv

RT: 8.81 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

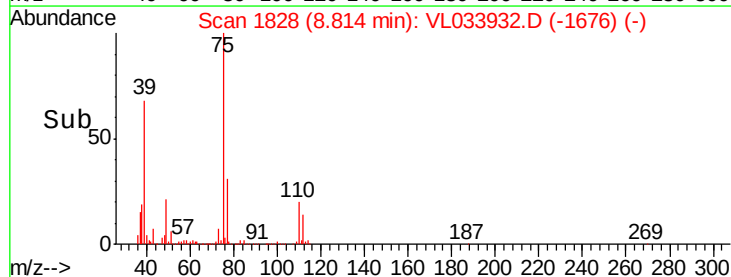
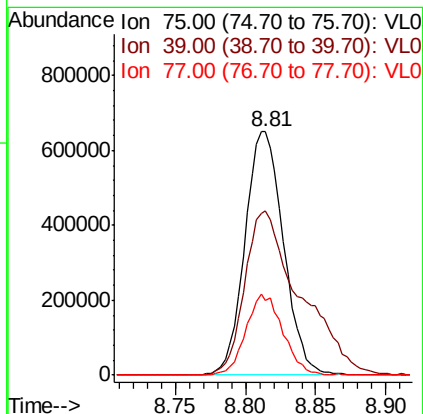
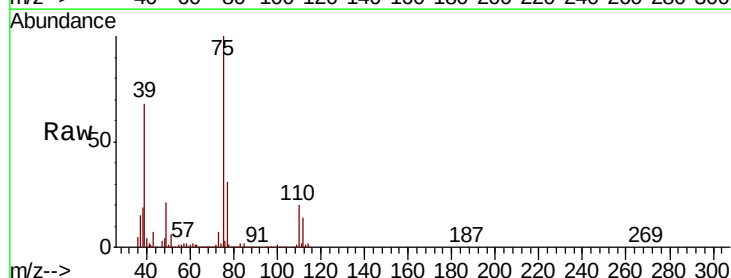
Tgt Ion: 75 Resp: 1244917

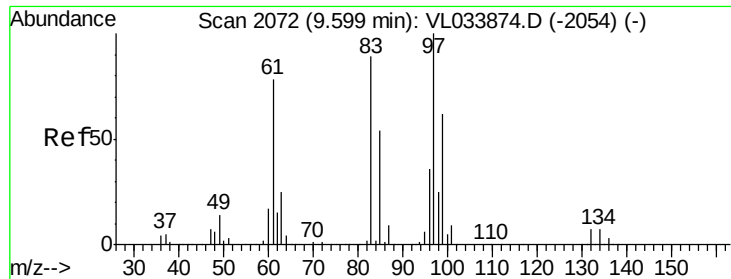
Ion Ratio Lower Upper

75 100

39 67.7 53.8 80.8

77 30.6 24.6 36.8





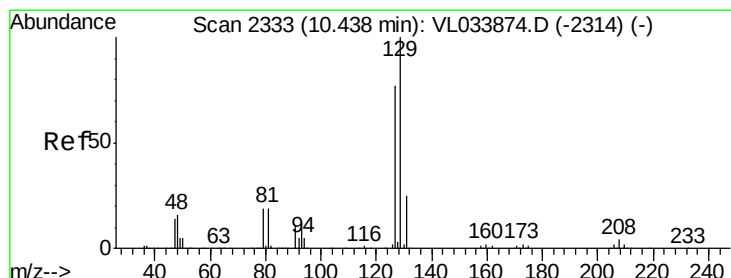
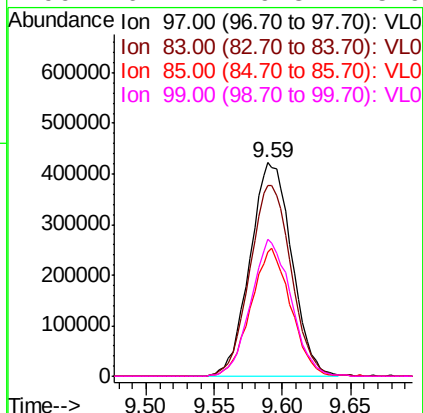
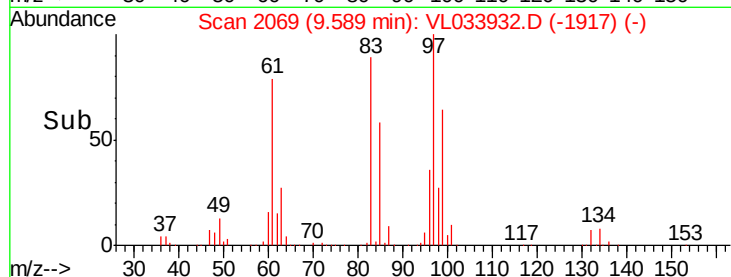
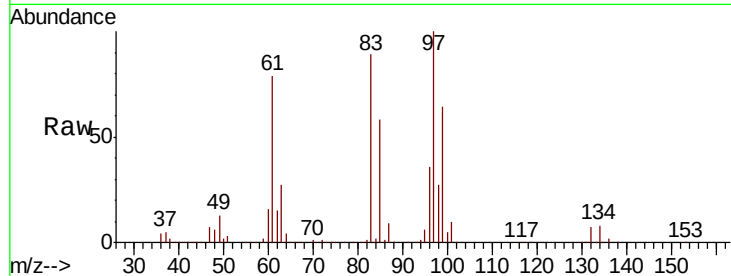
#47
 1,1,2-Trichloroethane
 Concen: 9.960 ppbv
 RT: 9.59 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.9	106.3
85	57.8	43.0	64.6
99	64.1	49.3	73.9

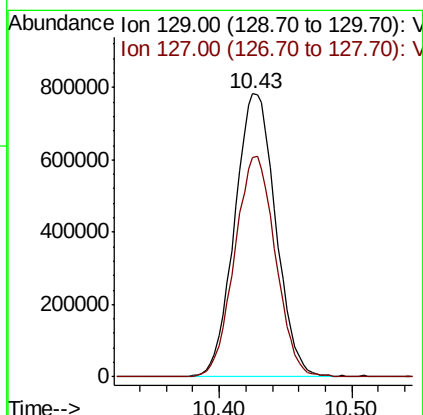
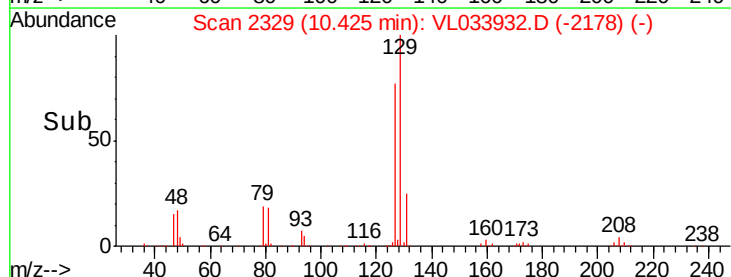
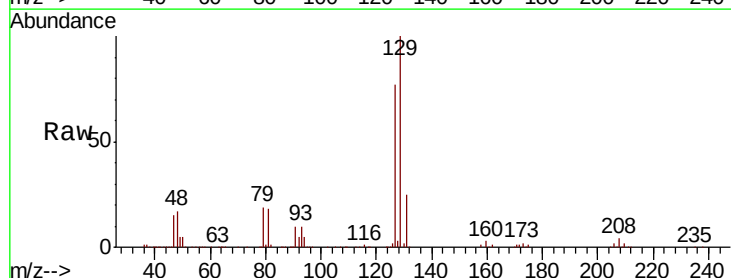
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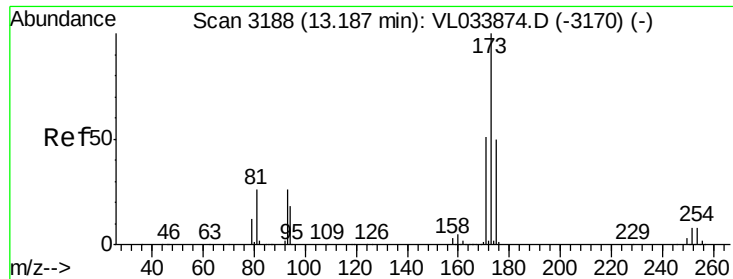
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.401 ppbv
 RT: 10.43 min Scan# 2329
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.7





#49

Bromoform

Concen: 10.014 ppbv

RT: 13.18 min Scan# 3185

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion:173 Resp: 1430500

Ion Ratio Lower Upper

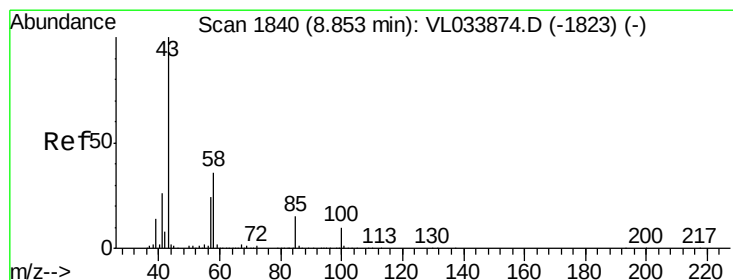
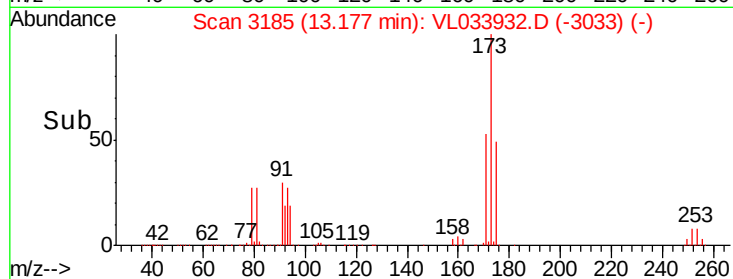
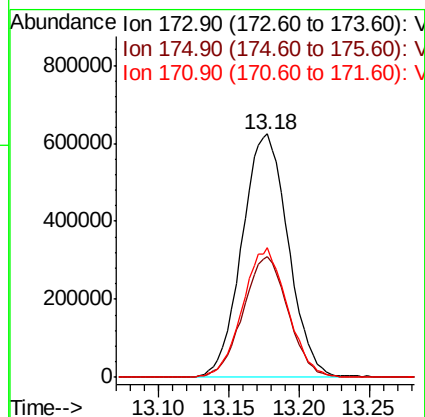
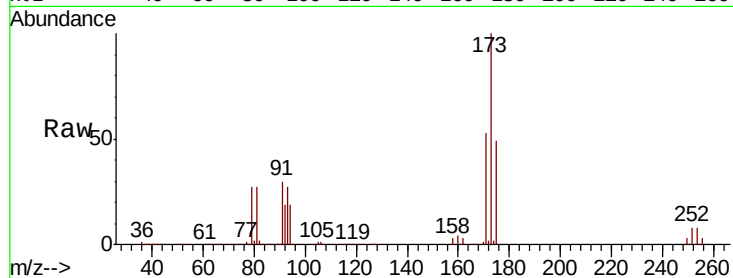
173 100

175 48.5 39.6 59.4

171 51.5 41.8 62.8

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#50

4-Methyl-2-Pentanone

Concen: 10.724 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VL033932.D

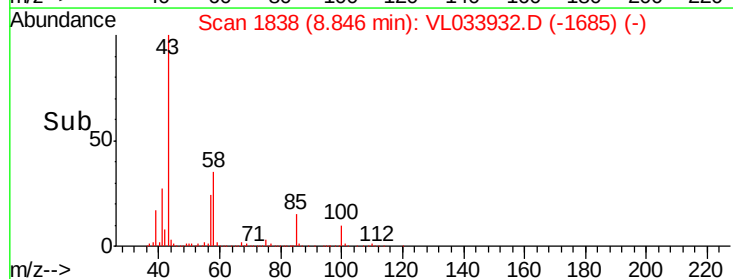
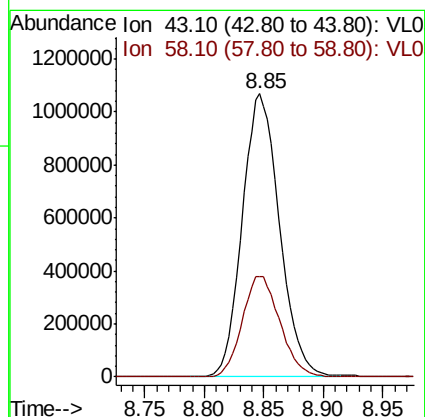
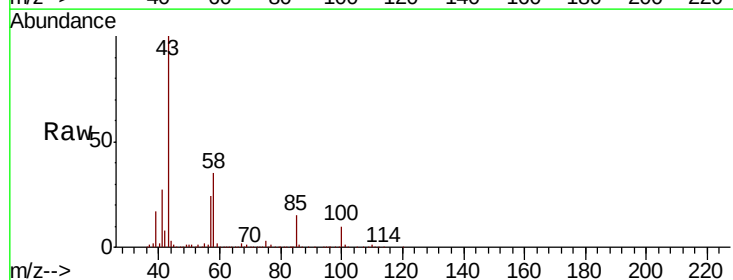
Acq: 24 Jun 2019 11:41

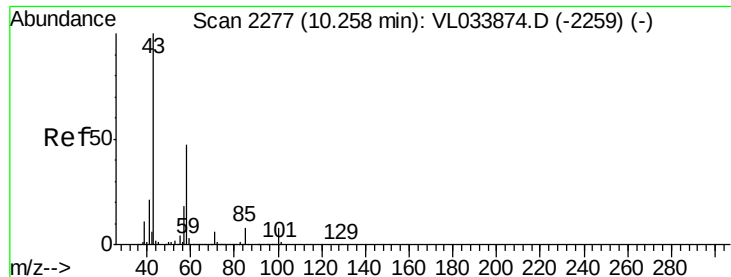
Tgt Ion: 43 Resp: 2311291

Ion Ratio Lower Upper

43 100

58 36.1 28.6 42.8





#51

2-Hexanone

Concen: 11.079 ppbv

RT: 10.25 min Scan# 2273

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 43 Resp: 1864733

Ion Ratio Lower Upper

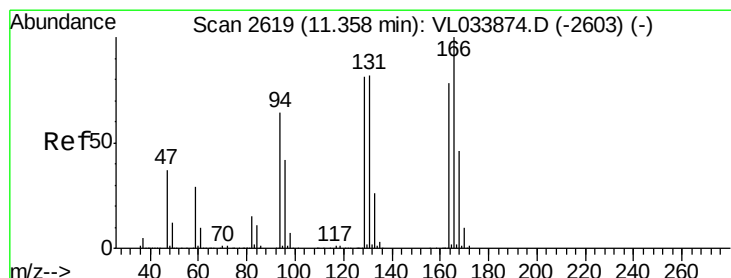
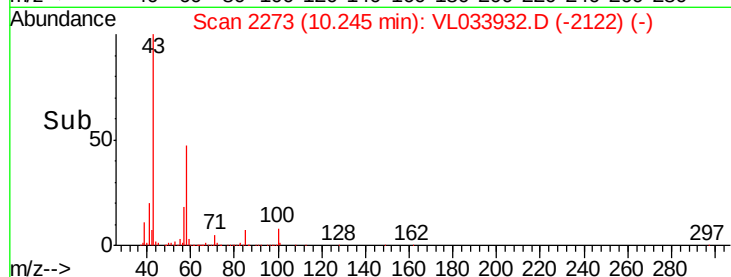
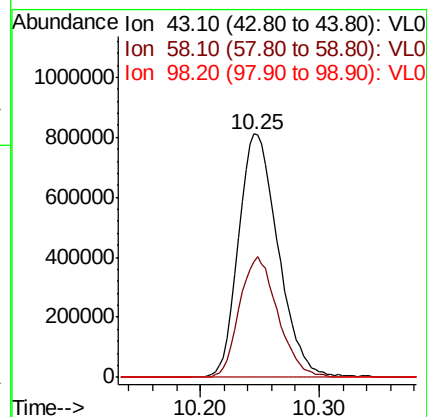
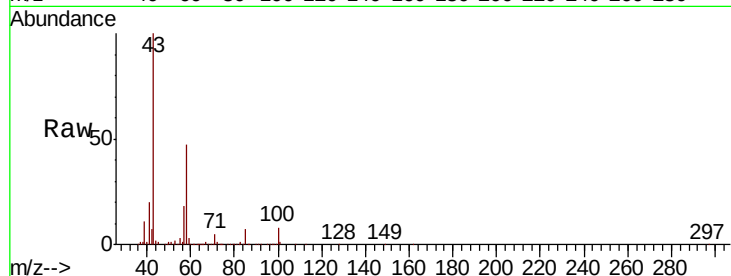
43 100

58 48.2 38.2 57.4

98 0.5 0.2 0.2#

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#52

Tetrachloroethene

Concen: 11.923 ppbv

RT: 11.35 min Scan# 2616

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion:164 Resp: 821058

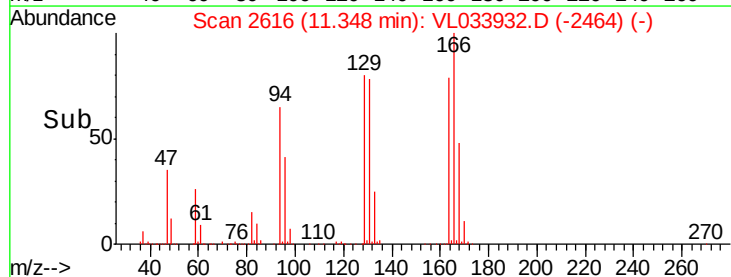
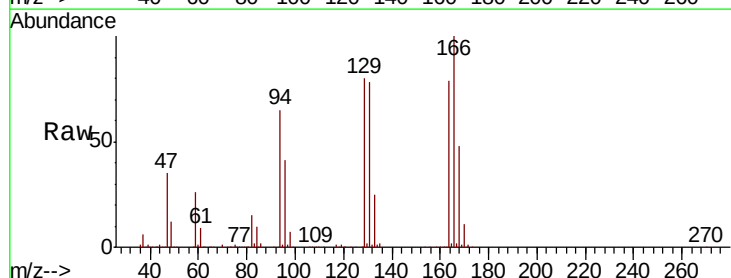
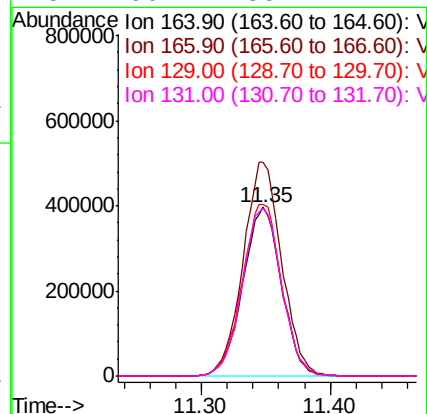
Ion Ratio Lower Upper

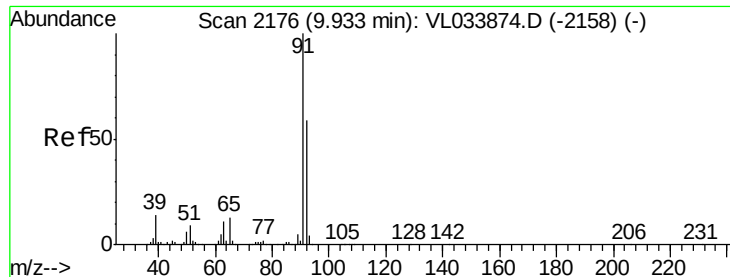
164 100

166 126.6 103.1 154.7

129 101.7 83.9 125.9

131 99.1 85.1 127.7





#53

Toluene

Concen: 11.385 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion: 91 Resp: 2465738

Ion Ratio Lower Upper

91 100

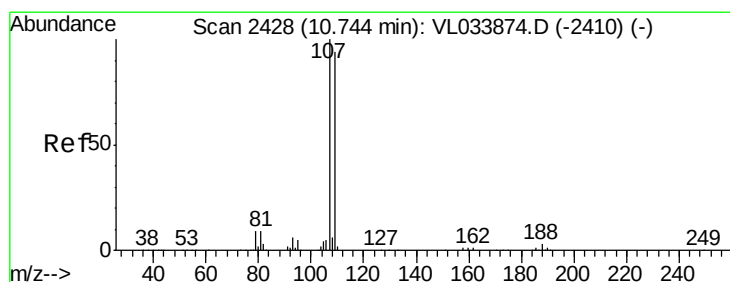
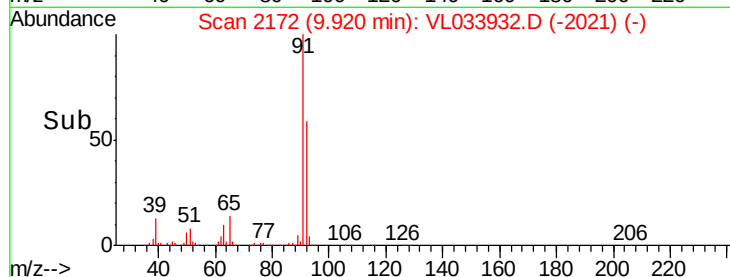
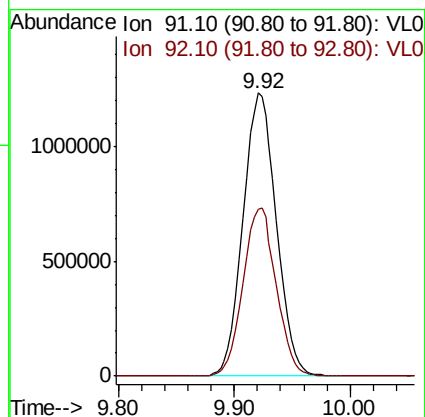
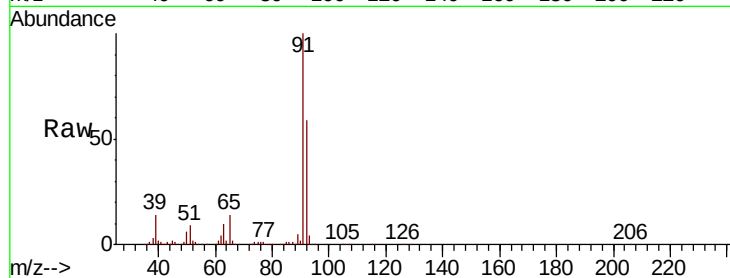
92 59.3 47.0 70.6

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#54

1,2-Dibromoethane

Concen: 10.460 ppbv

RT: 10.73 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL033932.D

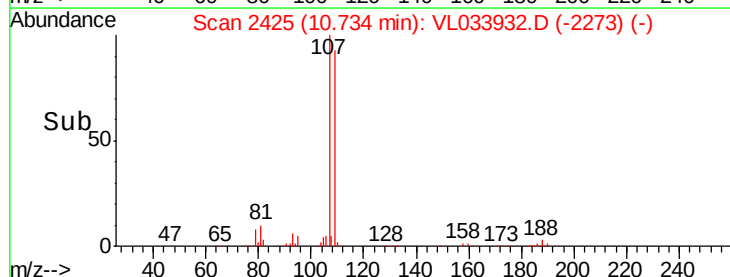
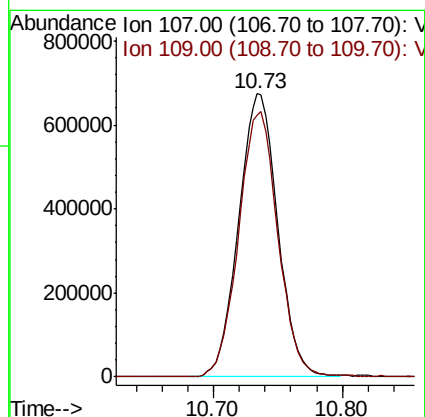
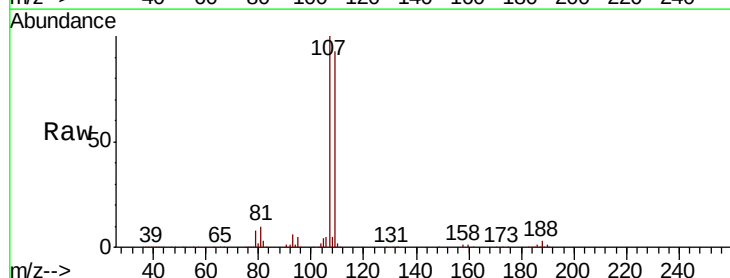
Acq: 24 Jun 2019 11:41

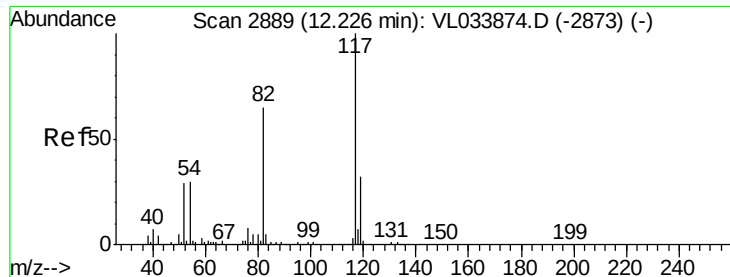
Tgt Ion:107 Resp: 1419779

Ion Ratio Lower Upper

107 100

109 92.5 74.9 112.3





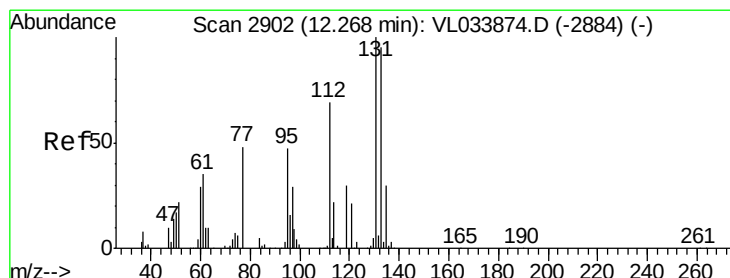
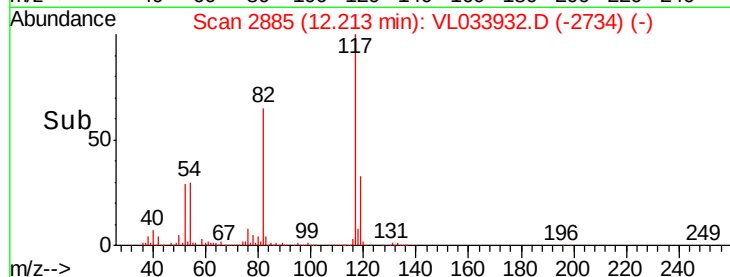
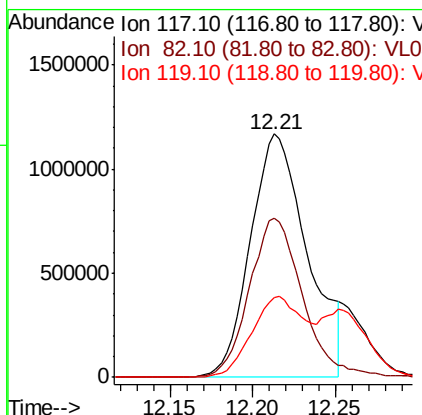
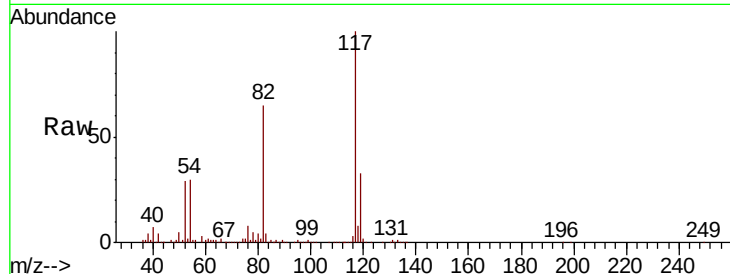
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.21 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion:117 Resp: 2801207
Ion Ratio Lower Upper
117 100
82 61.9 50.2 75.2
119 28.1 24.8 37.2

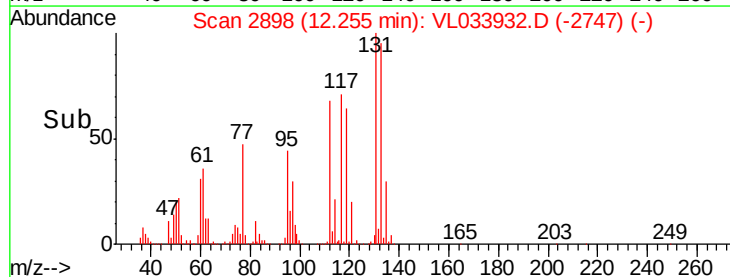
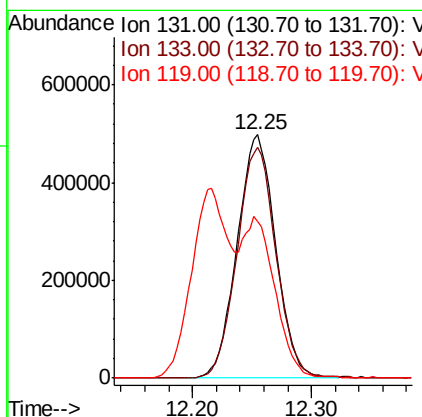
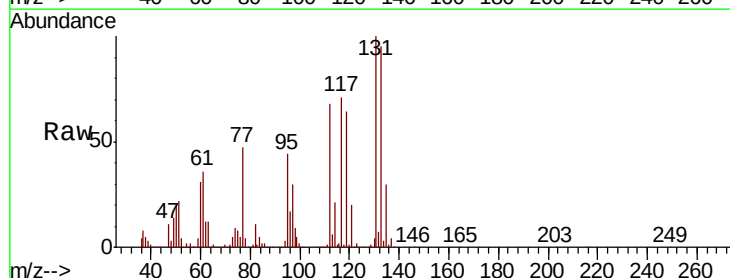
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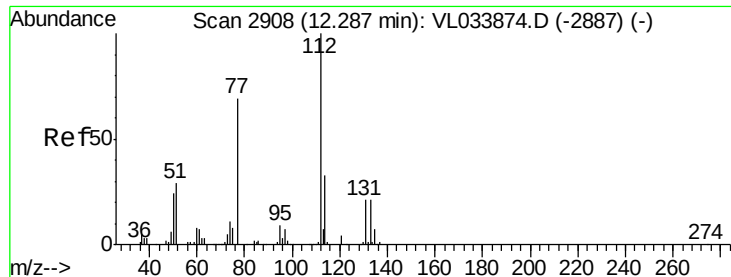
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.115 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion:131 Resp: 1115358
Ion Ratio Lower Upper
131 100
133 96.2 76.5 114.7
119 54.7 42.6 64.0





#57

Chlorobenzene

Concen: 8.750 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion:112 Resp: 1835756

Ion Ratio Lower Upper

112 100

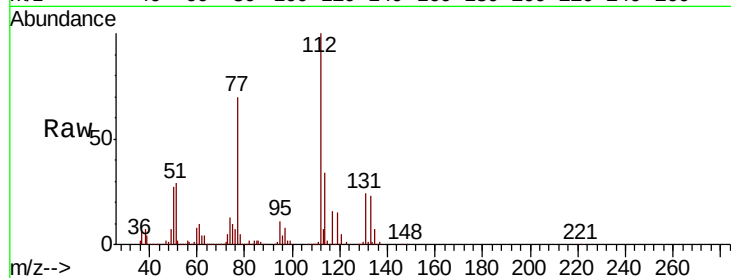
77 69.7 55.8 83.6

114 33.6 29.8 36.4

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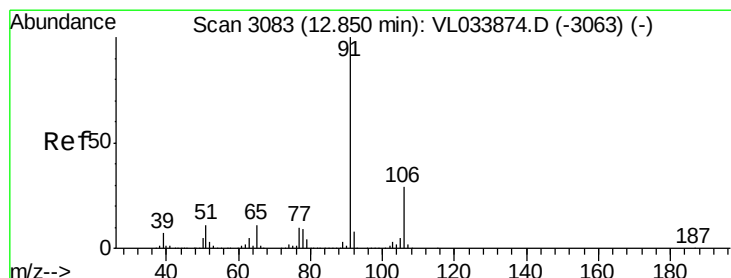
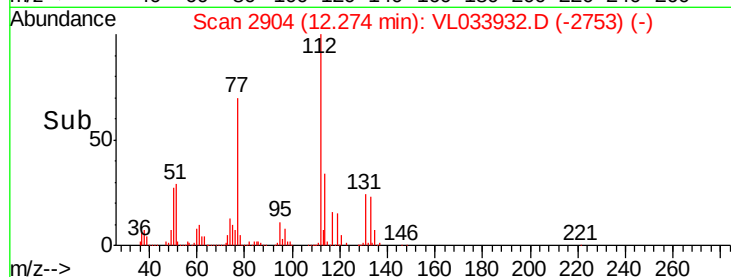
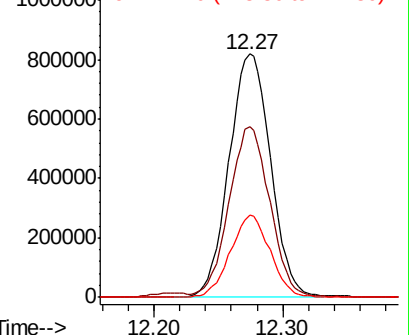
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.513 ppbv

RT: 12.84 min Scan# 3080

Delta R.T. -0.01 min

Lab File: VL033932.D

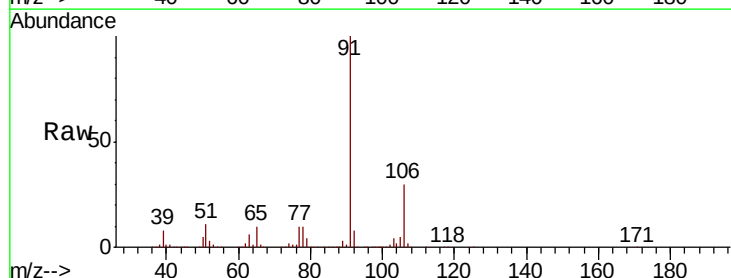
Acq: 24 Jun 2019 11:41

Tgt Ion: 91 Resp: 3320161

Ion Ratio Lower Upper

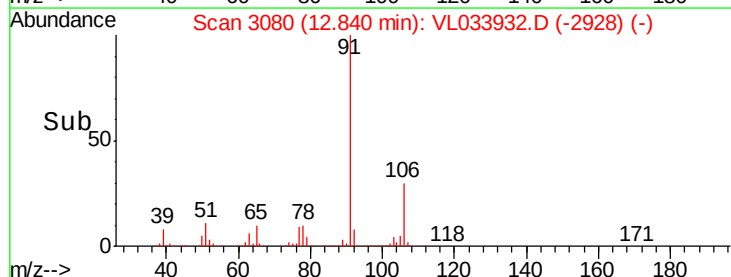
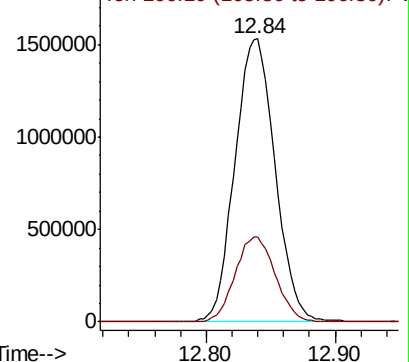
91 100

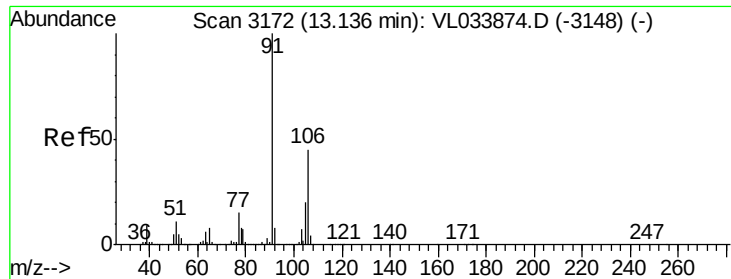
106 29.9 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





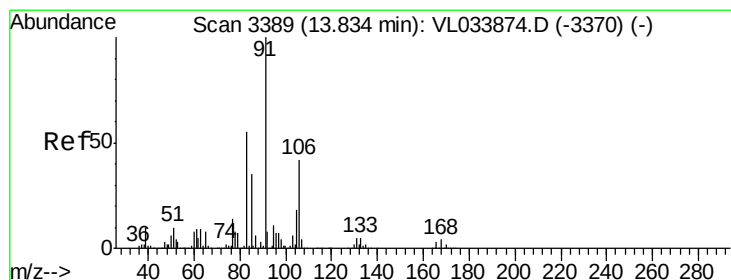
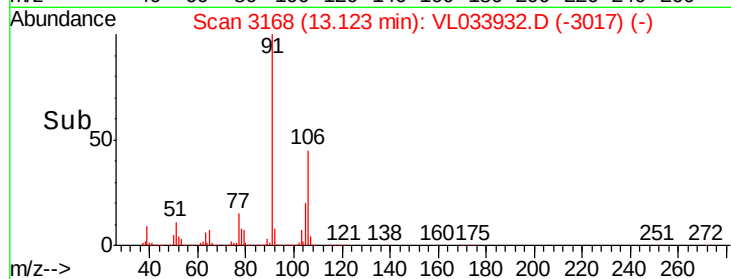
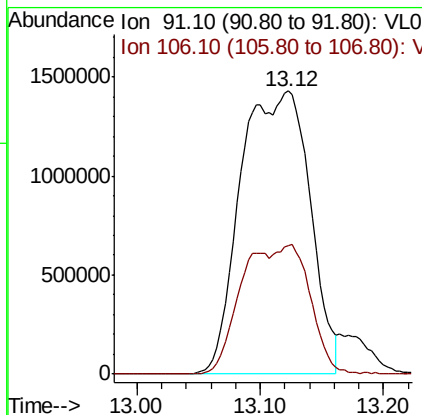
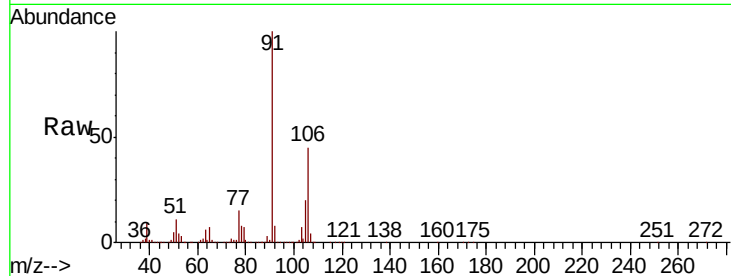
#59
m/p-Xylene
Concen: 19.364 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion: 91 Resp: 5561407
Ion Ratio Lower Upper
91 100
106 45.4 35.8 53.8

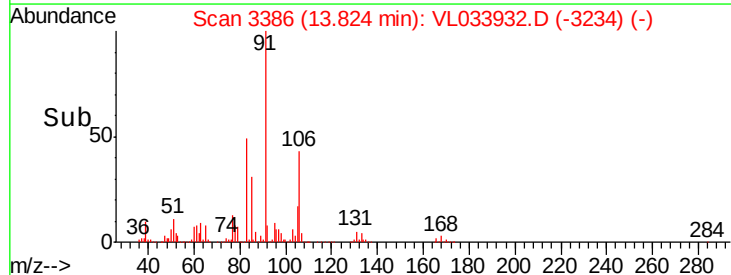
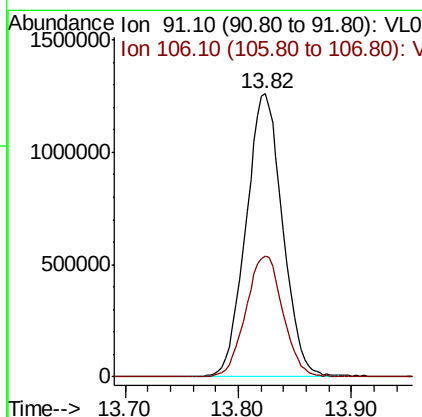
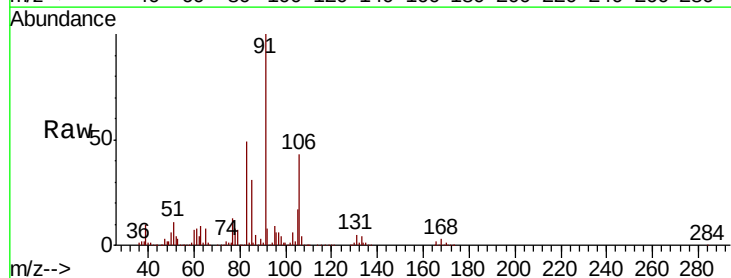
Manual Integrations
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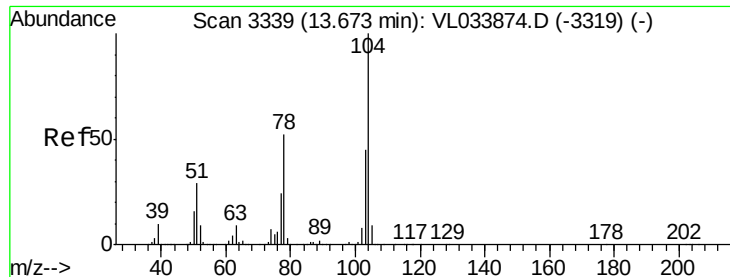
MMDadoda
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#60
o-Xylene
Concen: 9.535 ppbv
RT: 13.82 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion: 91 Resp: 2827274
Ion Ratio Lower Upper
91 100
106 43.7 21.7 65.1





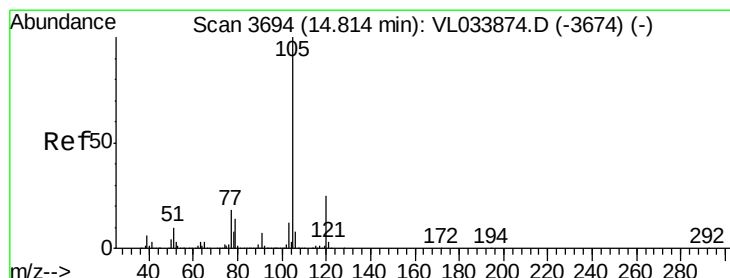
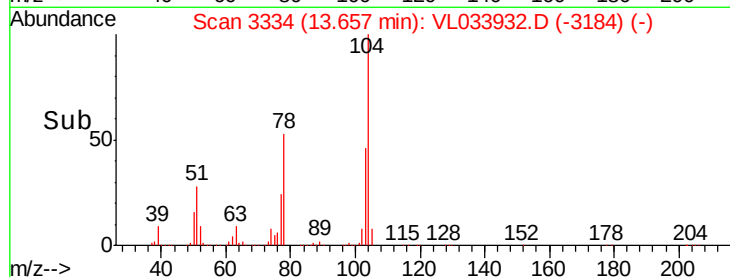
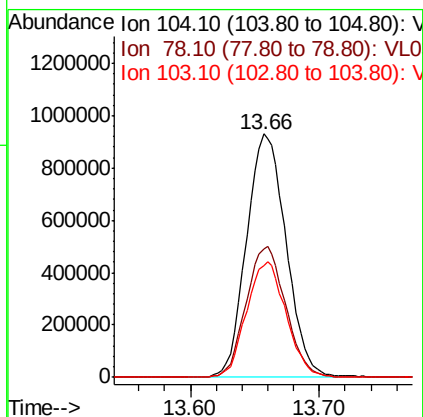
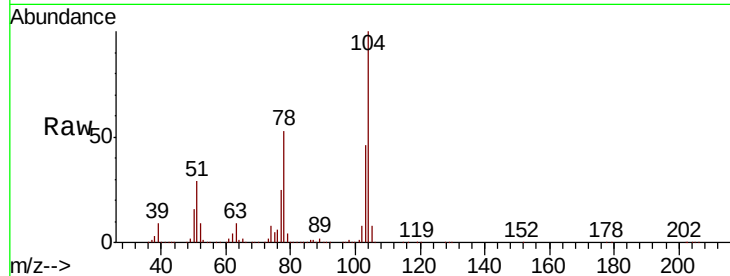
#61
Stvrene
Concen: 10.365 ppbv
RT: 13.66 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	47.6	37.6	56.4

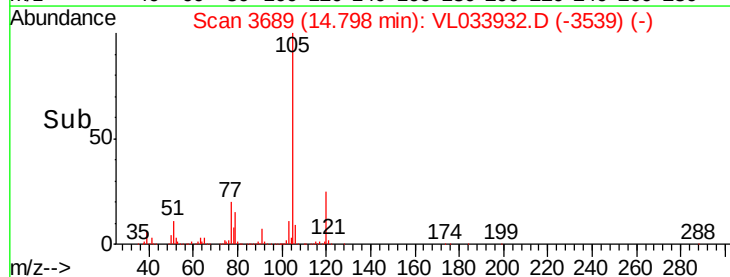
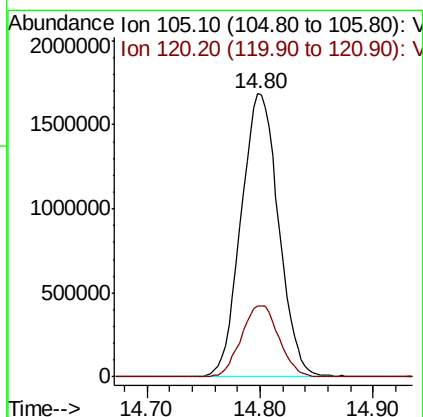
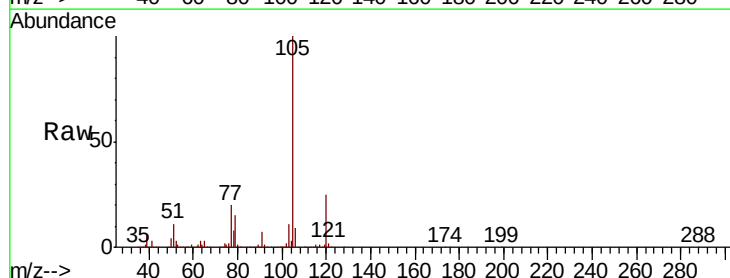
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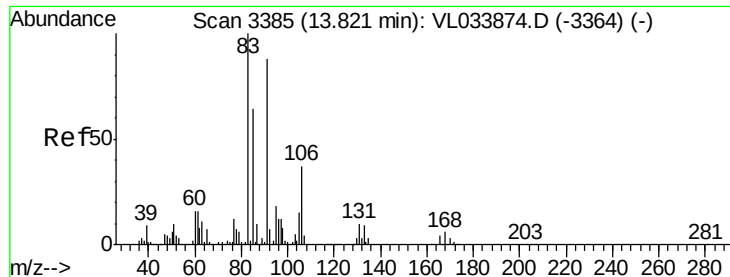
MMDadoda
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#62
Isopropylbenzene
Concen: 9.729 ppbv
RT: 14.80 min Scan# 3689
Delta R.T. -0.02 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.3	30.5





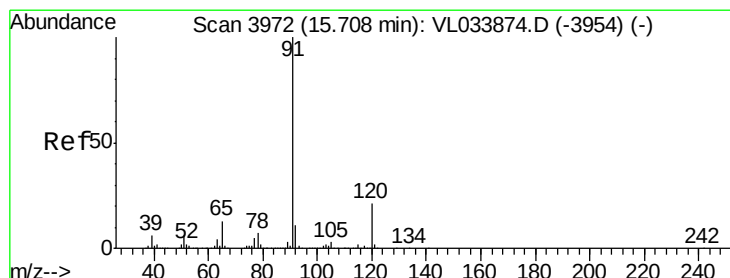
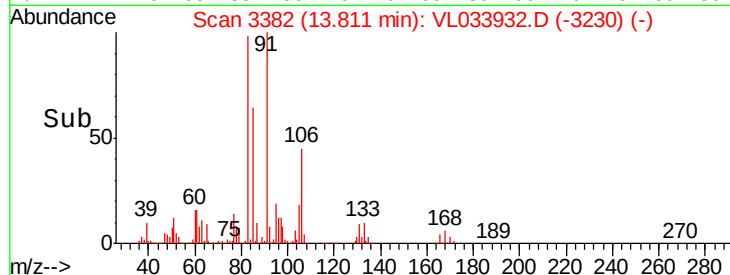
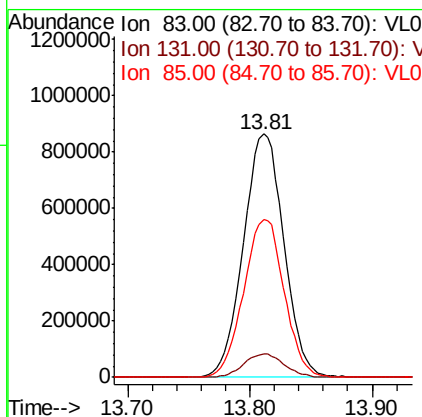
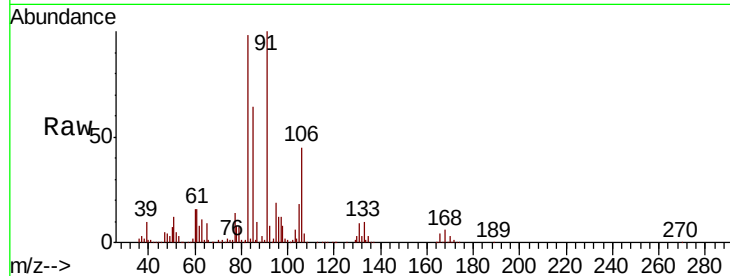
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.894 ppbv
 RT: 13.81 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion	83	Resp	1985119
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	64.7	32.1	96.3

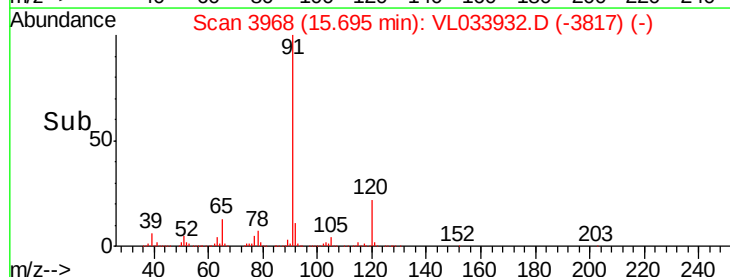
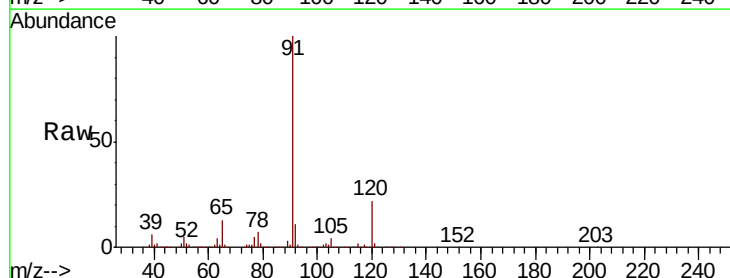
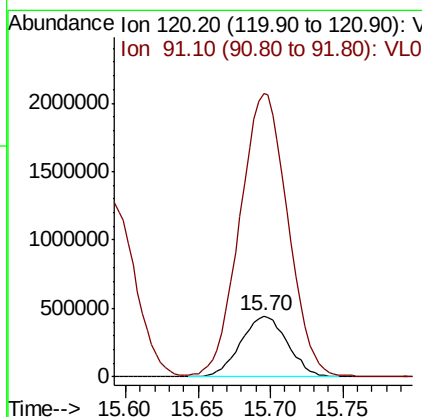
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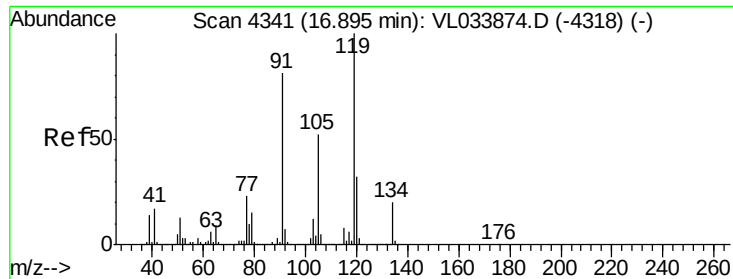
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.798 ppbv
 RT: 15.70 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	120	Resp	1002766
Ion Ratio	100	Lower	Upper
120	100		
91	477.9	387.0	580.6





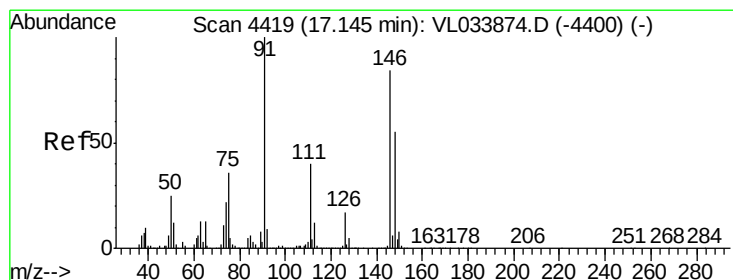
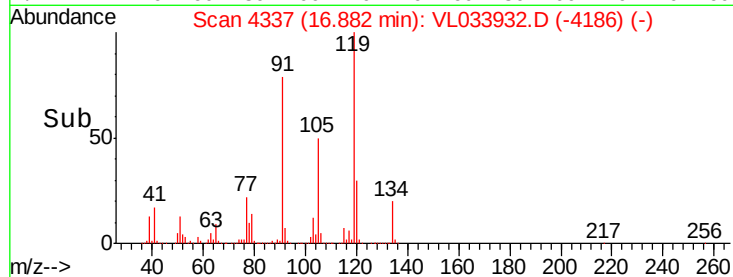
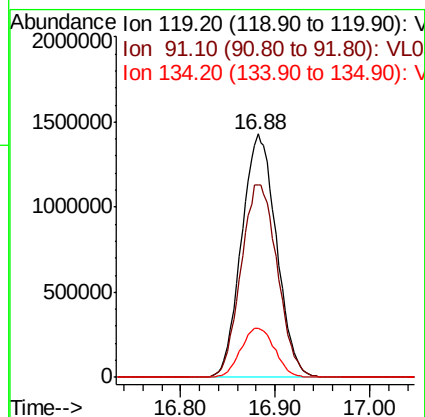
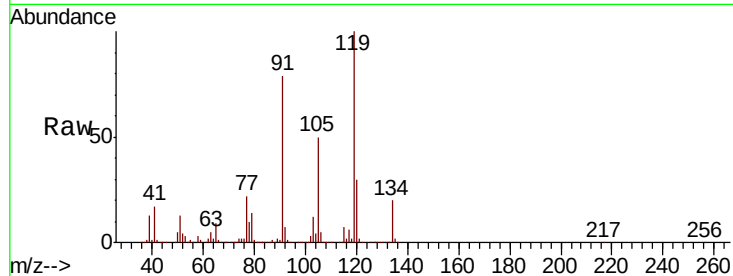
#65
 tert-Butylbenzene
 Concen: 9.884 ppbv
 RT: 16.88 min Scan# 4337
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion: 119 Resp: 3654908
 Ion Ratio Lower Upper
 119 100
 91 82.8 66.6 100.0
 134 19.7 15.5 23.3

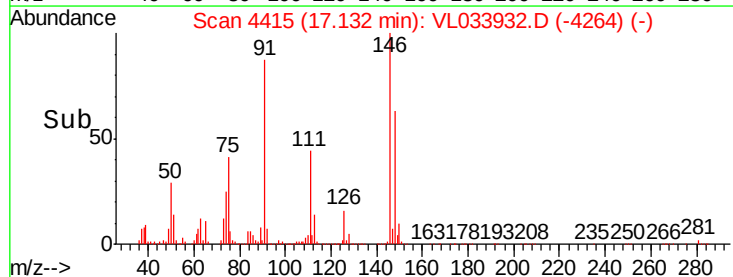
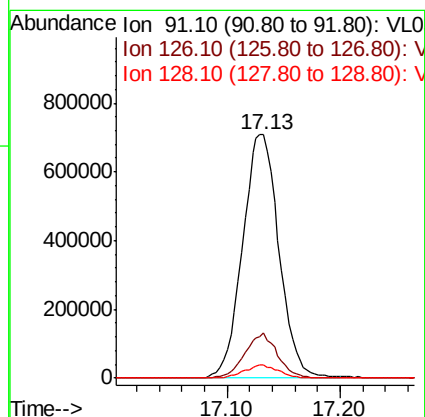
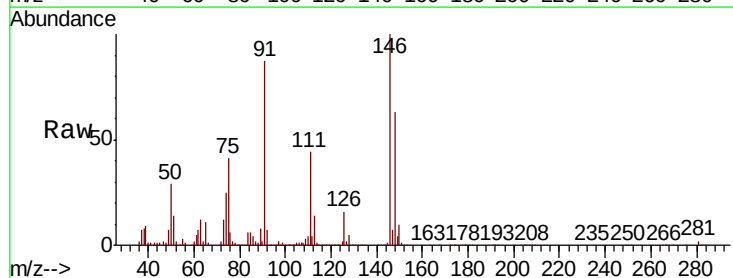
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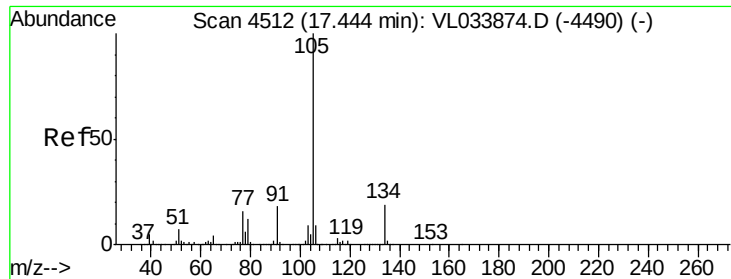
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#66
 Benzyl Chloride
 Concen: 8.428 ppbv
 RT: 17.13 min Scan# 4415
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion: 91 Resp: 1579459
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.8 20.6
 128 5.2 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.850 ppbv

RT: 17.43 min Scan# 4508

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion:105 Resp: 5110240

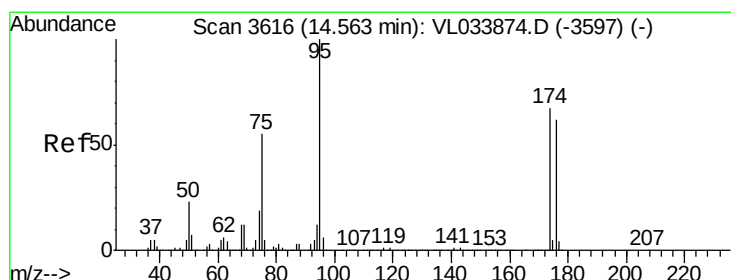
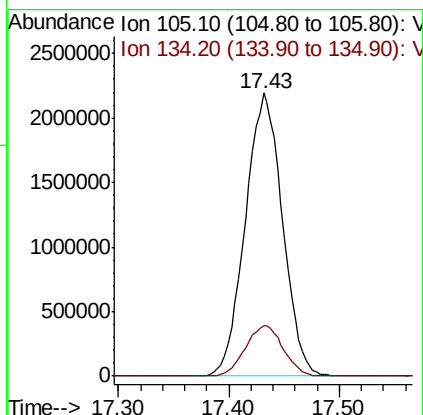
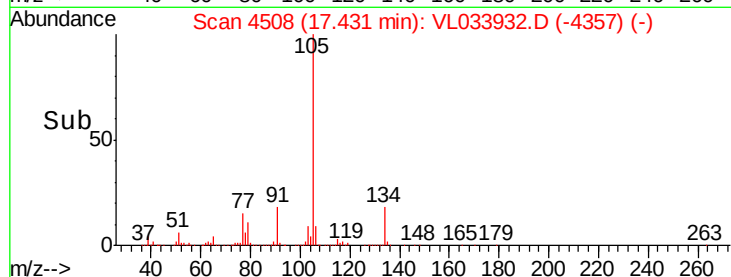
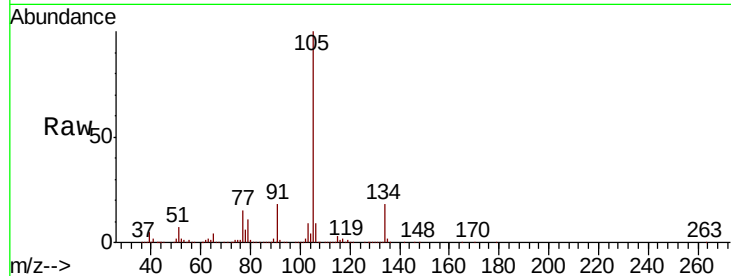
Ion Ratio Lower Upper

105 100

134 18.2 14.6 22.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.334 ppbv

RT: 14.55 min Scan# 3612

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

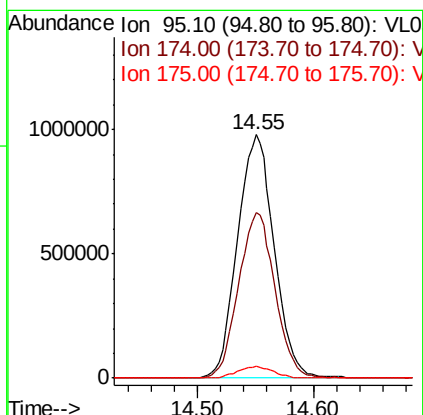
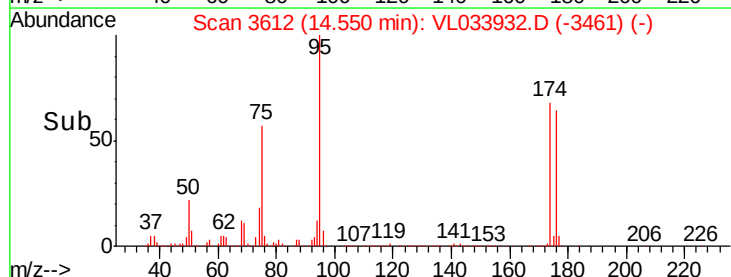
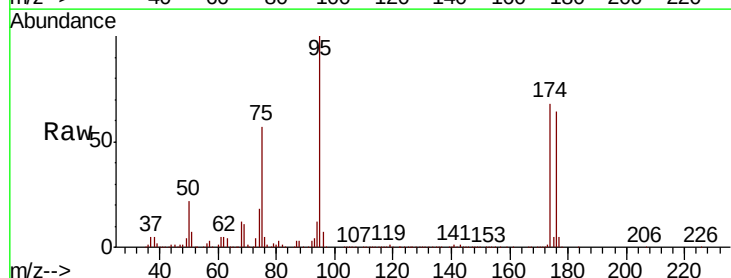
Tgt Ion: 95 Resp: 2147679

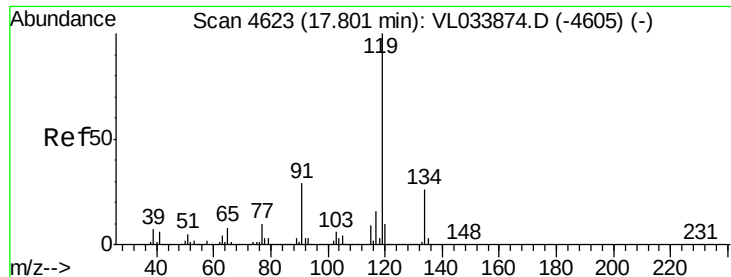
Ion Ratio Lower Upper

95 100

174 67.9 54.0 81.0

175 4.9 3.8 5.8





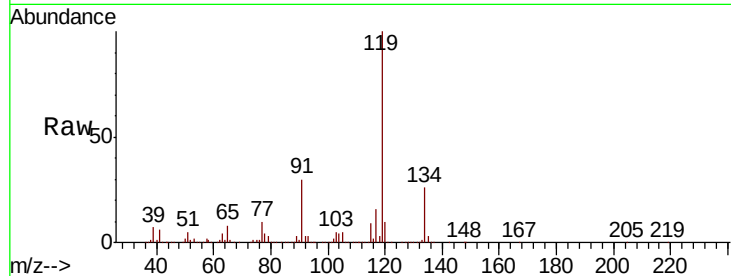
#69
 p-Isopropyltoluene
 Concen: 10.048 ppbv
 RT: 17.79 min Scan# 4619
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

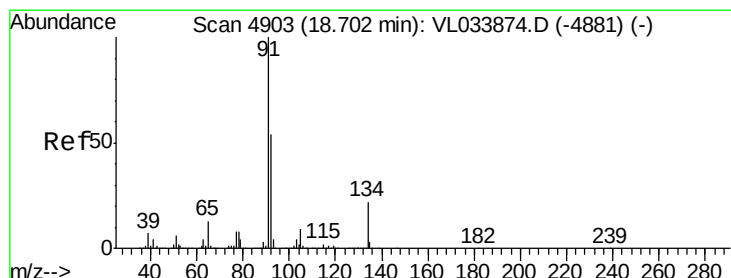
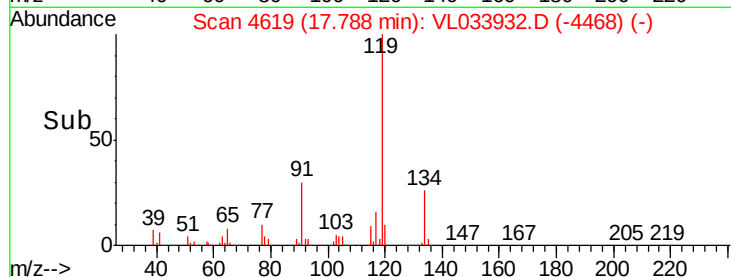
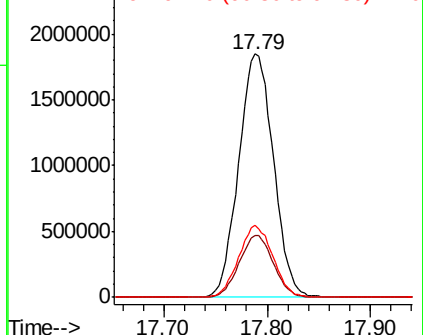
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.1	23.8	35.6

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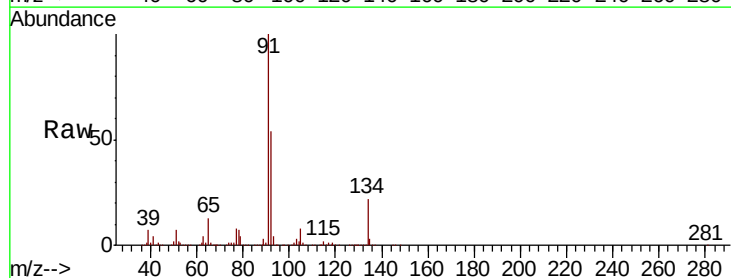


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

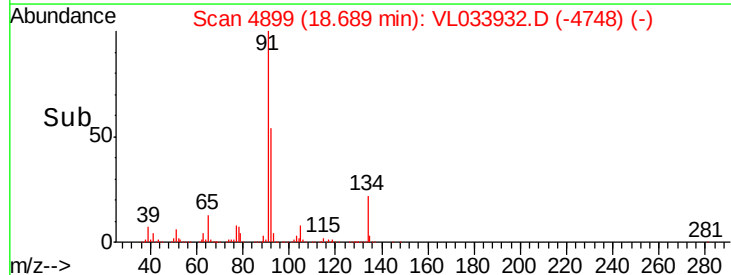
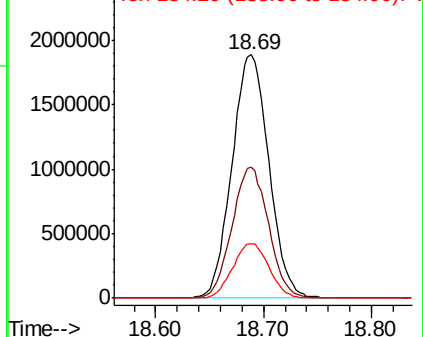


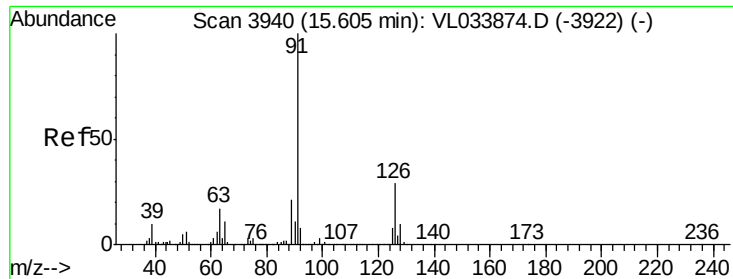
#70
 n-Butylbenzene
 Concen: 9.477 ppbv
 RT: 18.69 min Scan# 4899
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	42.5	63.7
134	22.3	17.8	26.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





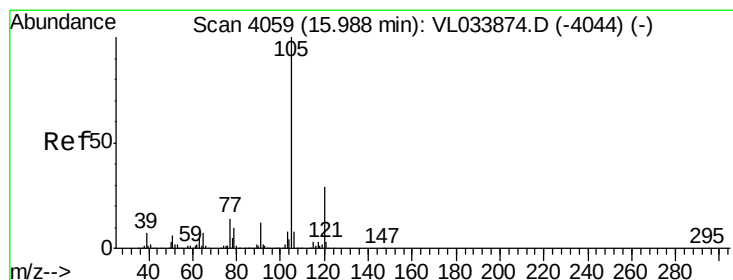
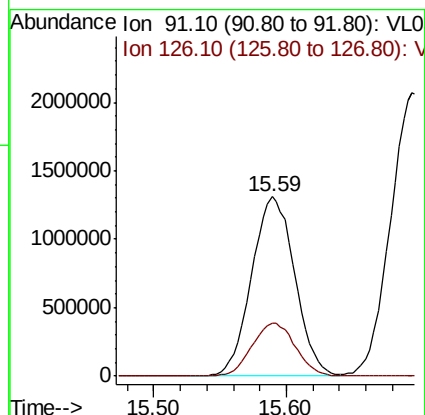
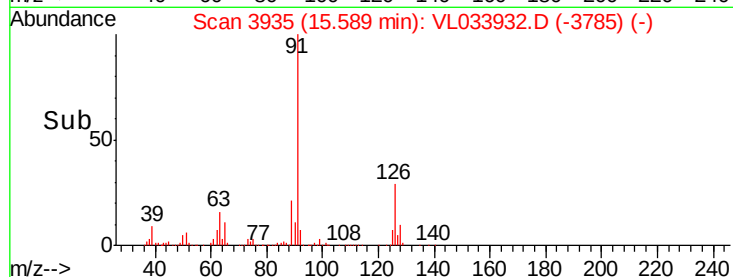
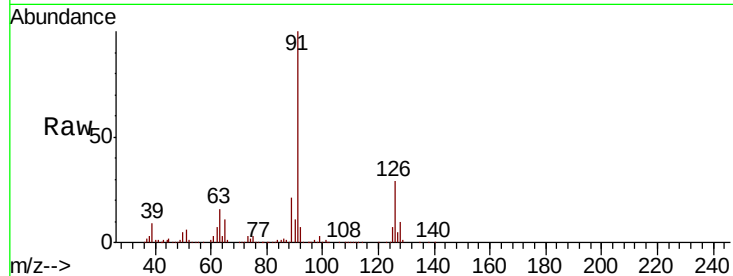
#71
 2-Chlorotoluene
 Concen: 10.080 ppbv
 RT: 15.59 min Scan# 3935
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion: 91 Resp: 2967911
 Ion Ratio Lower Upper
 91 100
 126 29.9 12.0 48.2

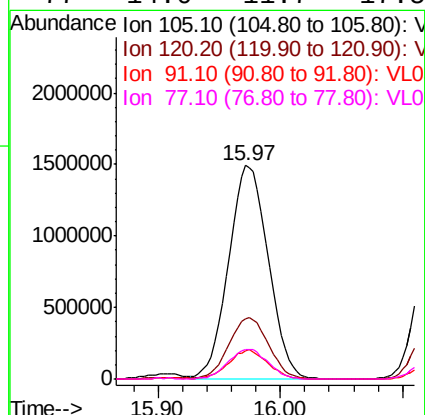
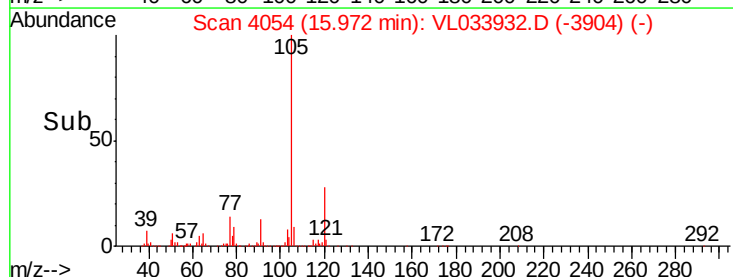
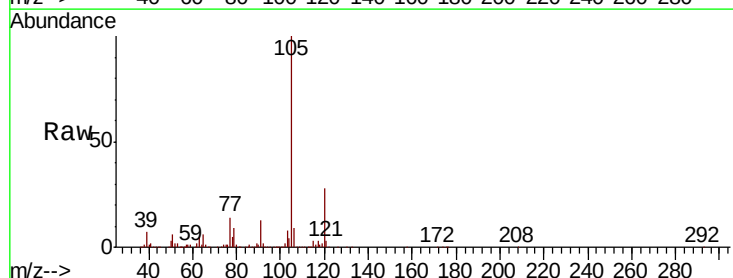
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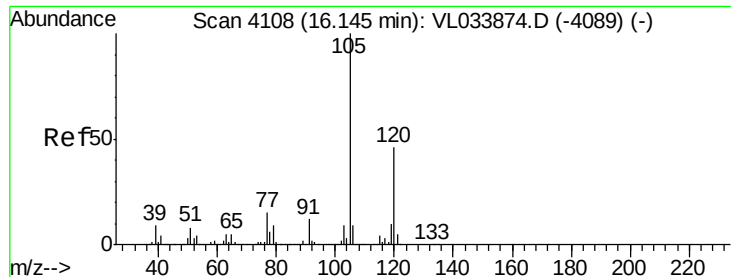
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#72
 4-Ethyltoluene
 Concen: 9.986 ppbv
 RT: 15.97 min Scan# 4054
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion:105 Resp: 3369677
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.5 35.3
 91 13.6 10.4 15.6
 77 14.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 9.725 ppbv

RT: 16.13 min Scan# 4104

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABS01

Tot Ion:105 Resp: 3232506

Ion Ratio Lower Upper

105 100

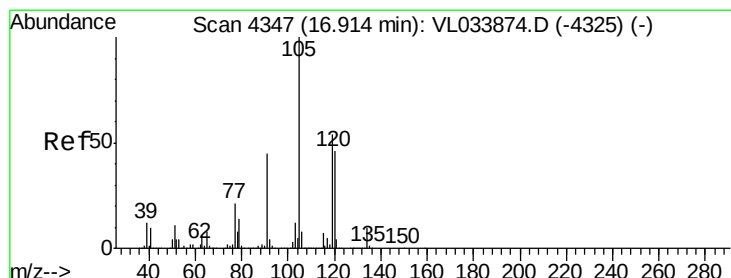
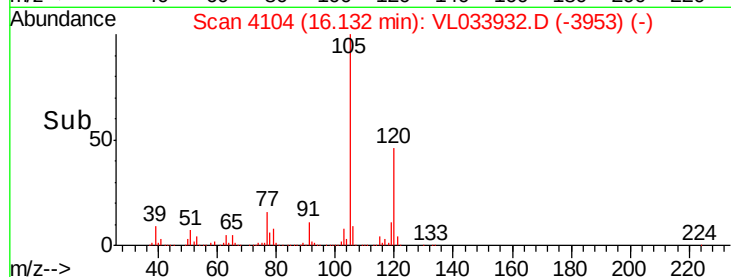
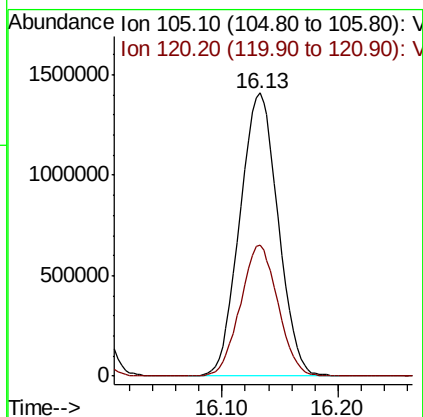
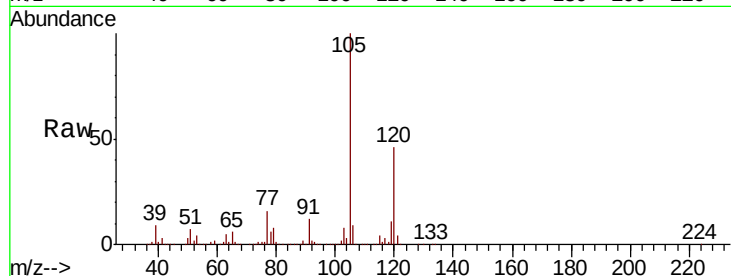
120 46.2 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 8.920 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033932.D

Acq: 24 Jun 2019 11:41

Tgt Ion:105 Resp: 3417370

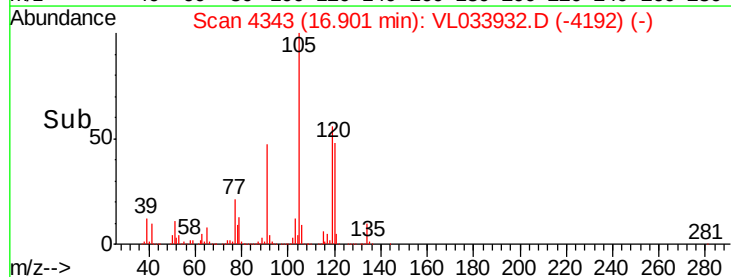
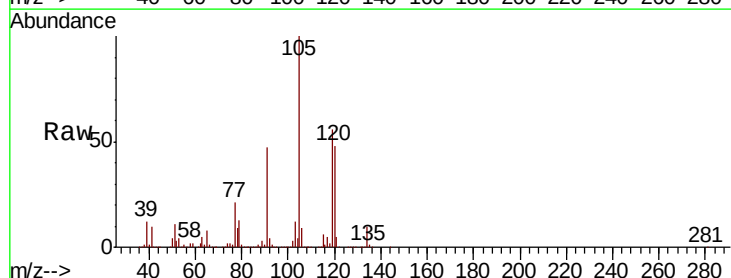
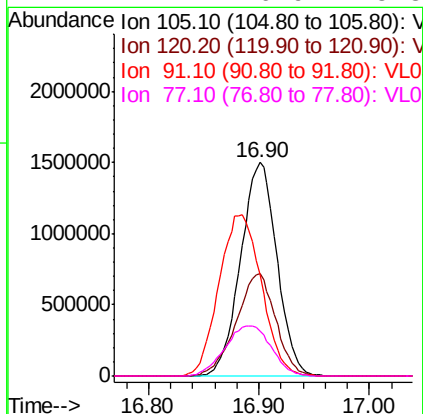
Ion Ratio Lower Upper

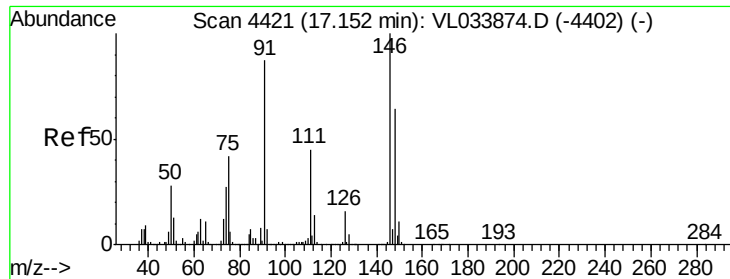
105 100

120 47.9 36.7 55.1

91 47.0 35.8 53.8

77 21.2 16.9 25.3





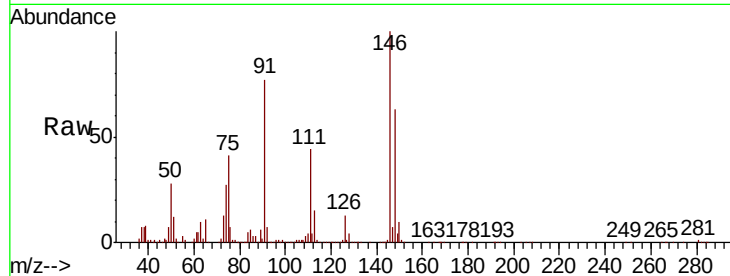
#75
 1,3-Dichlorobenzene
 Concen: 8.372 ppbv
 RT: 17.14 min Scan# 4416
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.8	68.3
148	64.5	32.2	96.6

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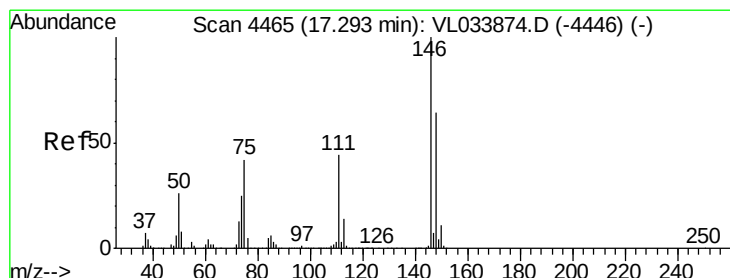
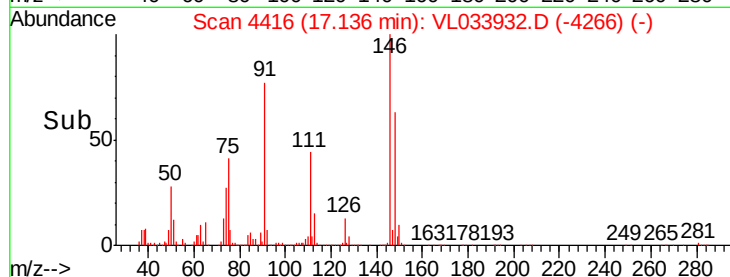
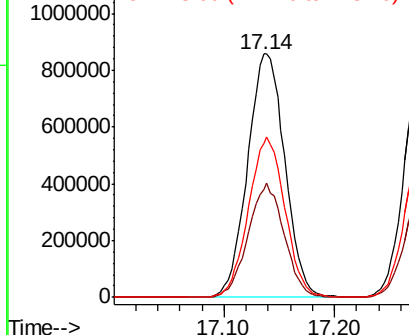


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 8.918 ppbv
 RT: 17.28 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

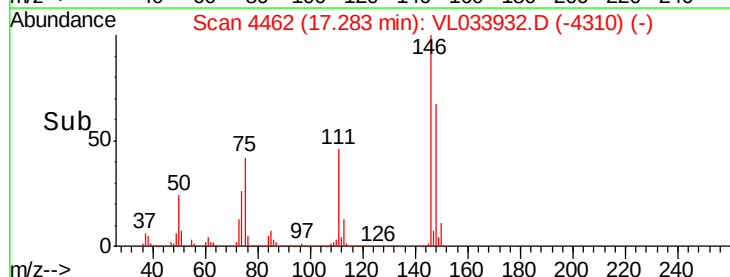
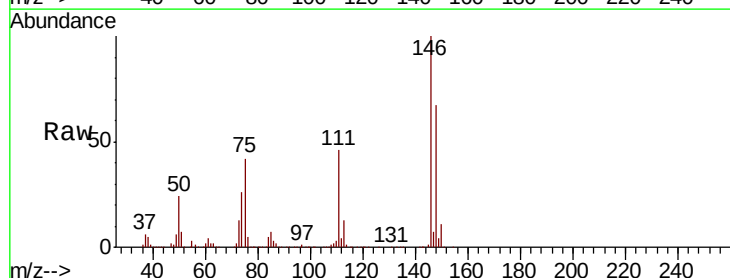
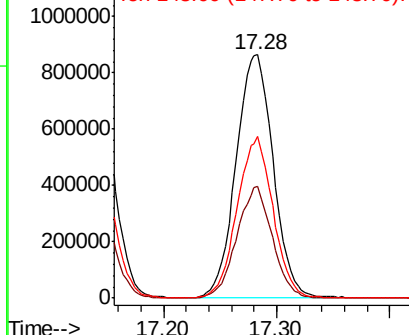
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.5
148	64.7	32.4	97.0

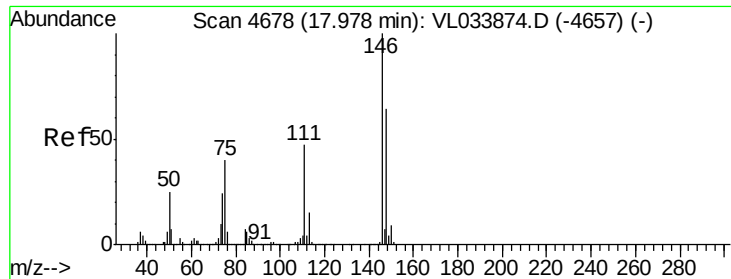
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





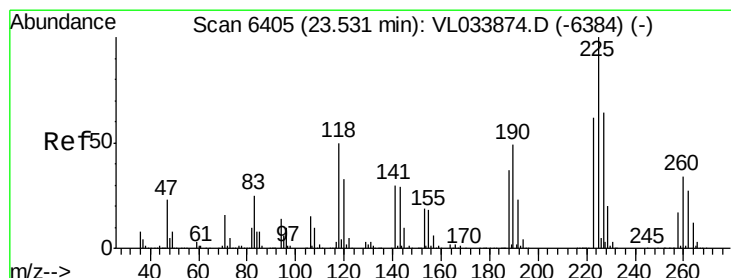
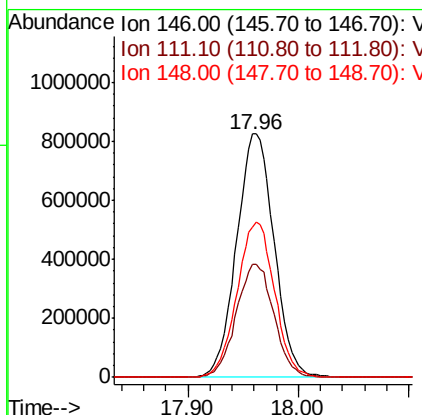
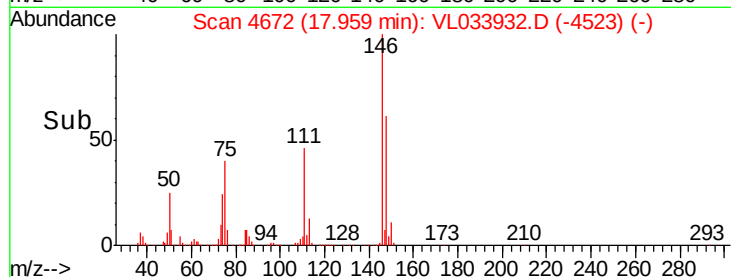
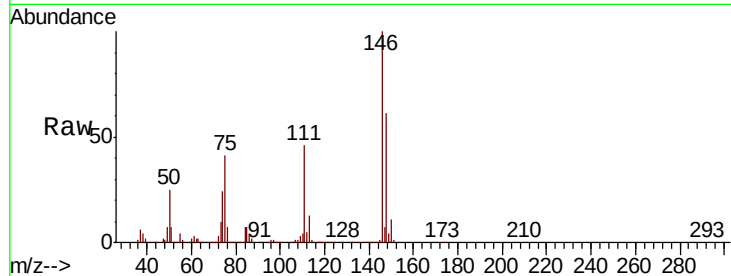
#77
 1,2-Dichlorobenzene
 Concen: 8.767 ppbv
 RT: 17.96 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0624ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.4	70.0
148	63.8	31.8	95.4

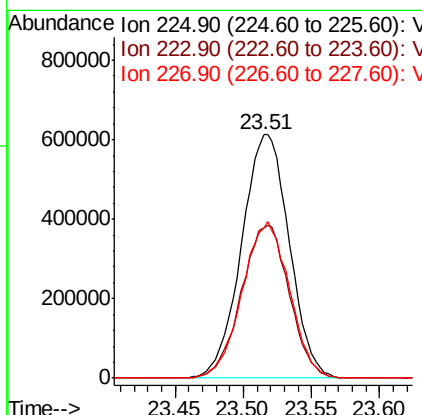
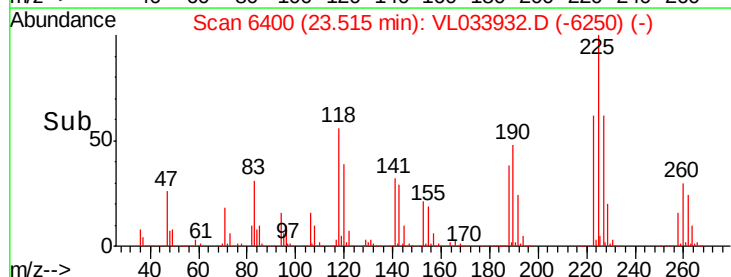
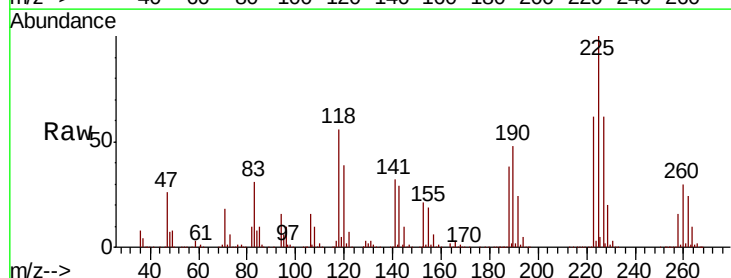
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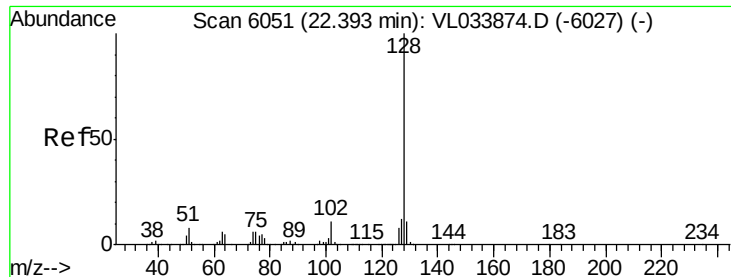
MMDadoda
 6/26/2019 8:15:30 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.588 ppbv
 RT: 23.51 min Scan# 6400
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	63.5	51.8	77.6





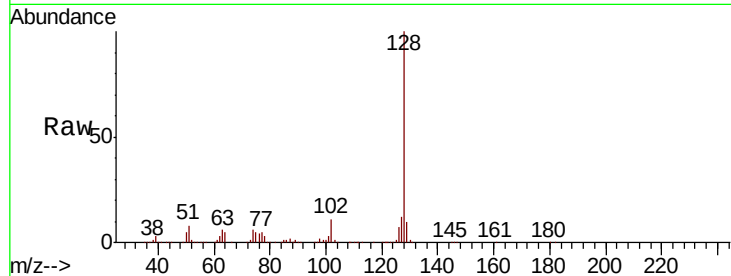
#79
Naphthalene
Concen: 9.544 ppbv
RT: 22.38 min Scan# 6046
Delta R.T. -0.02 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
VL0624ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	10.2	8.6	12.8

Manual Integrations
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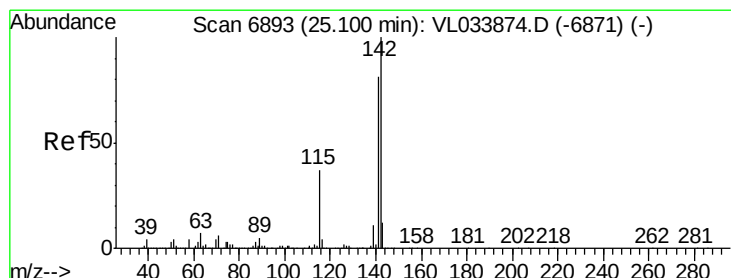
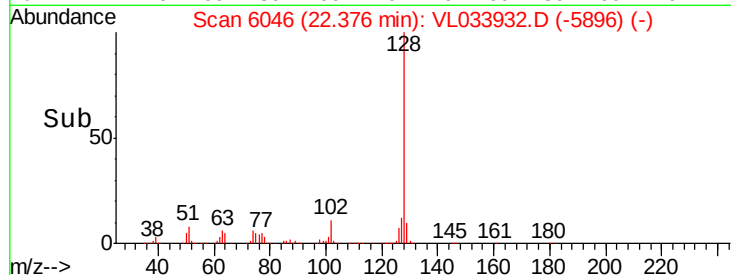
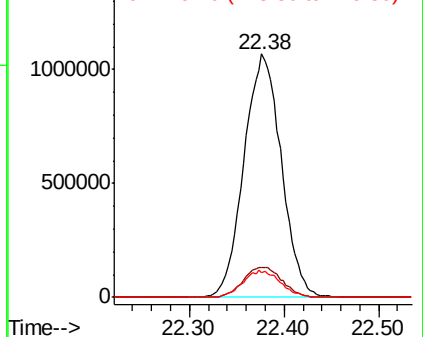


Abundance

Ion 128.10 (127.80 to 128.80): V

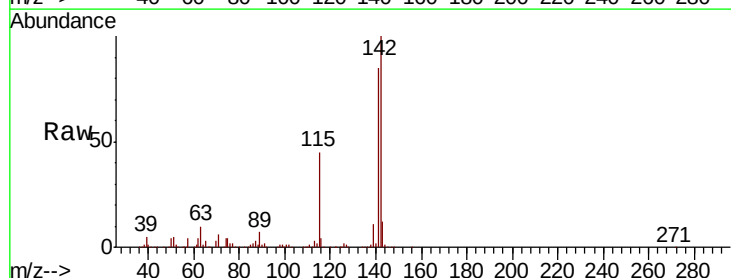
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 7.097 ppbv
RT: 25.09 min Scan# 6890
Delta R.T. -0.01 min
Lab File: VL033932.D
Acq: 24 Jun 2019 11:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.4	65.7	98.5
115	43.0	28.9	43.3

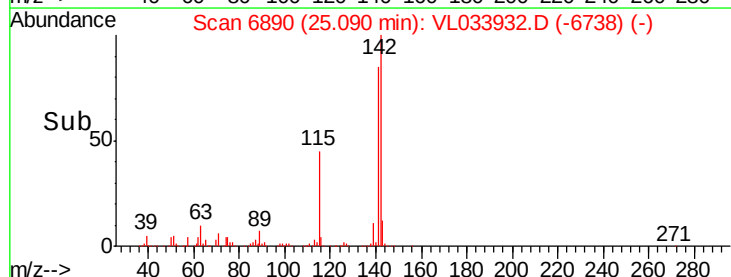
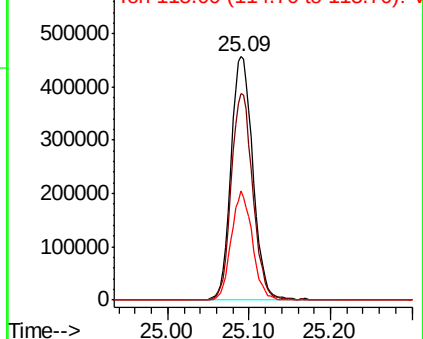


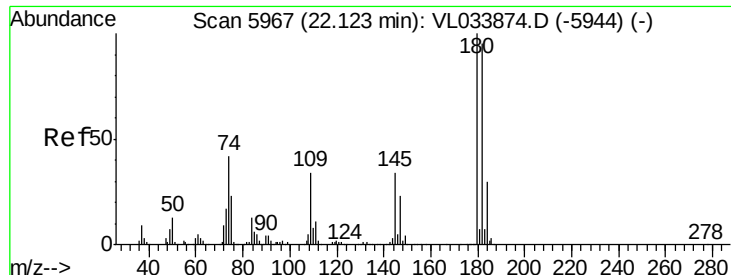
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.452 ppbv
 RT: 22.10 min Scan# 5961
 Delta R.T. -0.02 min
 Lab File: VL033932.D
 Acq: 24 Jun 2019 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.9	115.3
184	30.6	24.5	36.7

Manual Integrations
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