

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033927.D
 Acq On : 14 Jun 2019 12:57
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:46 AM

Quant Time: Jun 14 13:50:53 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	5.75	49	1020659	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2379947	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2525455m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	2108565	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1243683	7.509	ppbv	99
3) Chlorodifluoromethane	3.00	51	1100748	9.161	ppbv	98
4) Chloromethane	3.16	50	636378	9.285	ppbv	99
5) Vinyl Chloride	3.28	62	639324	10.054	ppbv	99
6) Bromomethane	3.50	94	397209	9.402	ppbv	98
7) Chloroethane	3.59	64	235259	9.354	ppbv	99
8) Dichlorotetrafluoroethane	3.21	85	1575014	8.898	ppbv	97
9) Propene	3.03	41	491796	10.939	ppbv	98
10) Heptane	8.23	43	1325386	11.663	ppbv	99
11) Trichlorofluoromethane	3.99	101	1901881	8.900	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1268103	8.780	ppbv	100
13) Ethanol	3.64	45	115796	7.916	ppbv	98
14) Bromoethene	3.78	108	533404	9.911	ppbv	100
15) Acetone	3.89	43	1230164	8.264	ppbv	100
16) 1,3-Butadiene	3.35	39	568713	10.038	ppbv	98
17) tert-Butyl alcohol	4.35	59	1197576	10.291	ppbv	100
18) 1,1-Dichloroethene	4.34	96	563542	9.238	ppbv	98
19) Isopropyl Alcohol	4.01	45	907739	10.674	ppbv	100
20) Methylene Chloride	4.39	84	486077	8.373	ppbv	98
21) Allyl Chloride	4.46	41	835394	9.879	ppbv	99
22) trans-1,2-Dichloroethene	4.95	96	593352	9.227	ppbv	96
23) Vinyl Acetate	5.14	43	1897180	10.965	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1291509	9.597	ppbv	99
25) Ethyl Acetate	5.76	43	2289301	10.098	ppbv	100
26) Hexane	5.76	57	1006028	9.747	ppbv	99
27) Carbon Disulfide	4.61	76	1432632	9.990	ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1723382	11.041	ppbv	99
29) Chloroform	5.84	83	1667122	9.430	ppbv	98
30) Cyclohexane	7.23	84	850214	11.658	ppbv	98
31) cis-1,2-Dichloroethene	5.63	61	1021735	11.288	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	1699919	9.968	ppbv	99
34) 2-Butanone	5.32	43	1491140	11.106	ppbv	98
35) Carbon Tetrachloride	7.12	117	1872382	10.183	ppbv	99
36) Benzene	6.99	78	2054742	11.302	ppbv	99
37) 1,2-Dichloroethane	6.40	62	1264795	9.407	ppbv	99
38) Trichloroethene	7.95	130	840429	11.873	ppbv	97
39) 1,2-Dichloropropane	7.72	63	773638	11.026	ppbv	93
40) 1,4-Dioxane	7.94	88	328873	11.492	ppbv	91
41) Tetrahydrofuran	6.14	42	820741	12.044	ppbv	99
42) Bromodichloromethane	7.90	83	1861601	10.361	ppbv	97
43) Methyl Methacrylate	8.12	69	824685	12.129	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3554770	10.995	ppbv	99
45) t-1,3-Dichloropropene	9.40	75	1092543	12.246	ppbv	99
46) cis-1,3-Dichloropropene	8.82	75	1261092	12.338	ppbv	98
47) 1,1,2-Trichloroethane	9.60	97	830942	9.934	ppbv	97
48) Dibromochloromethane	10.44	129	1553861	10.337	ppbv	99
49) Bromoform	13.19	173	1410207	10.627	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2253074	11.254	ppbv	99
51) 2-Hexanone	10.25	43	1807798	11.563	ppbv #	100
52) Tetrachloroethene	11.36	164	742368	11.605	ppbv	96
53) Toluene	9.93	91	2316554	11.515	ppbv	99
54) 1,2-Dibromoethane	10.74	107	1315540	10.433	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.26	131	1055825	9.570	ppbv	97
57) Chlorobenzene	12.29	112	1845732	9.758	ppbv	99
58) Ethyl Benzene	12.85	91	3198579	11.234	ppbv	96
59) m/p-Xylene	13.14	91	5292301m	20.440	ppbv	
60) o-Xylene	13.83	91	2975021	11.128	ppbv	100
61) Styrene	13.67	104	2176002	12.578	ppbv	100
62) Isopropylbenzene	14.81	105	3953200	10.971	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.82	83	2109745	10.484	ppbv	99
64) n-propylbenzene	15.71	120	1027980	11.141	ppbv	99
65) tert-Butylbenzene	16.89	119	3694271	11.081	ppbv	100
66) Benzyl Chloride	17.14	91	2004745	11.866	ppbv	100
67) sec-Butylbenzene	17.44	105	5157634	11.027	ppbv	100
69) p-Isopropyltoluene	17.80	119	4296449	11.040	ppbv	100
70) n-Butylbenzene	18.70	91	4575669	10.735	ppbv	100
71) 2-Chlorotoluene	15.60	91	3021415	11.382	ppbv	99
72) 4-Ethyltoluene	15.99	105	3503424	11.516	ppbv	99
73) 1,3,5-Trimethylbenzene	16.14	105	3347968	11.172	ppbv	98
74) 1,2,4-Trimethylbenzene	16.91	105	3572084	10.342	ppbv	95
75) 1,3-Dichlorobenzene	17.15	146	2058688	9.518	ppbv	100
76) 1,4-Dichlorobenzene	17.29	146	2009934	10.120	ppbv	100
77) 1,2-Dichlorobenzene	17.97	146	1955124	9.795	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1359747	8.722	ppbv	99
79) Naphthalene	22.39	128	2619620	9.489	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	987341	8.964	ppbv	96
81) 1,2,4-Trichlorobenzene	22.12	180	1539333	8.832	ppbv	99

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

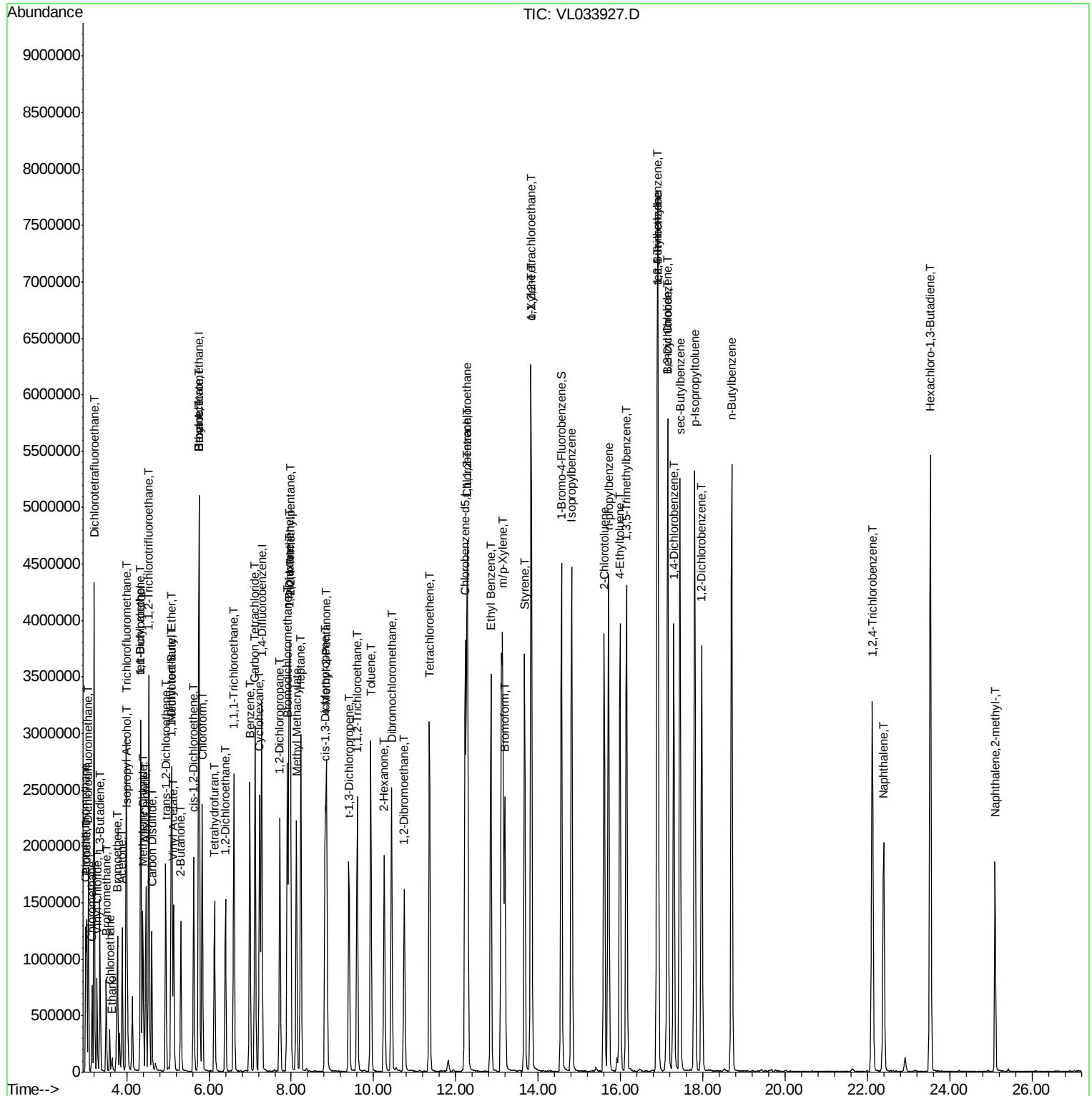
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
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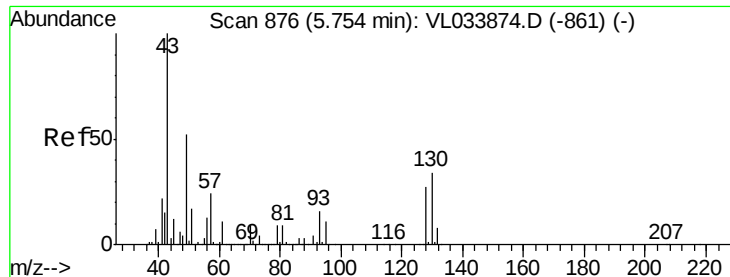
Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 49 Resp: 1020659

Ion Ratio Lower Upper

49 100

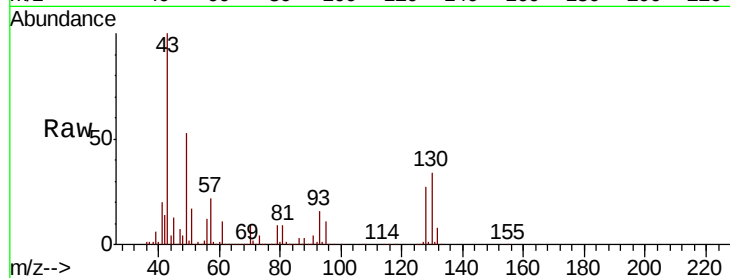
128 49.2 25.5 76.5

130 62.8 32.5 97.4

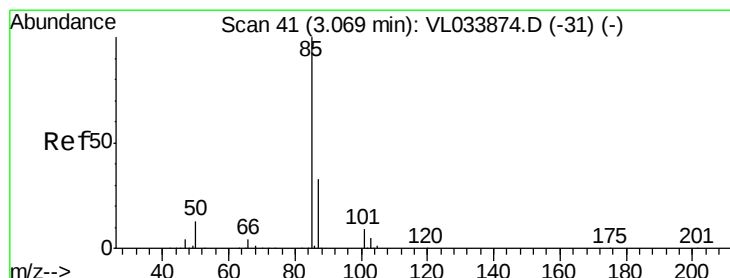
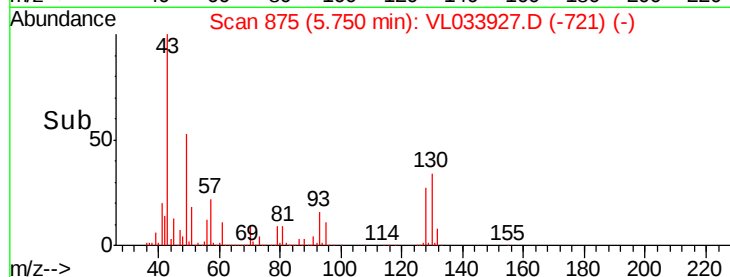
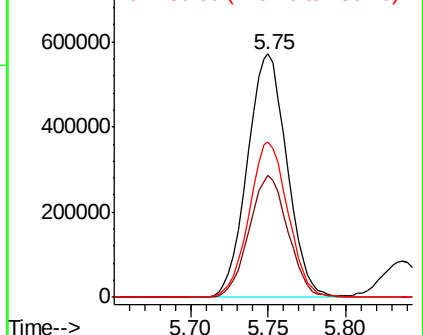
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.509 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033927.D

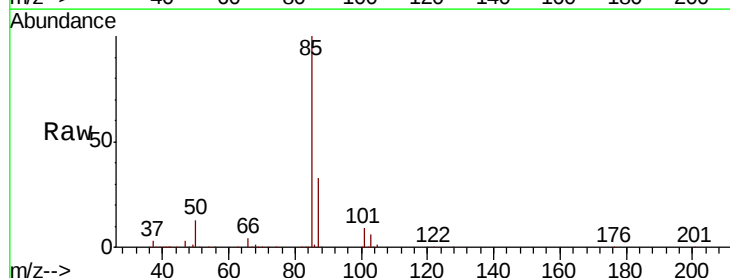
Acq: 14 Jun 2019 12:57

Tgt Ion: 85 Resp: 1243683

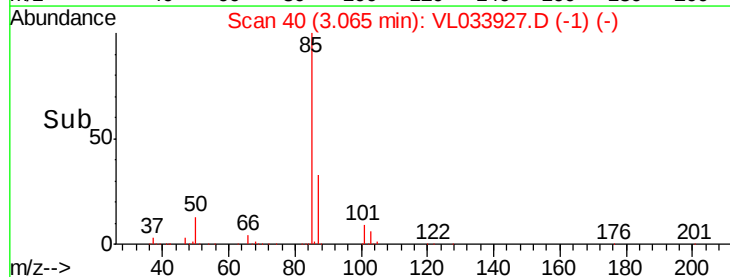
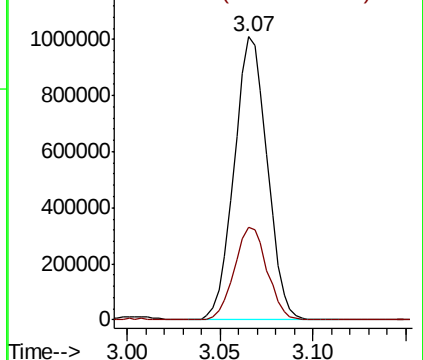
Ion Ratio Lower Upper

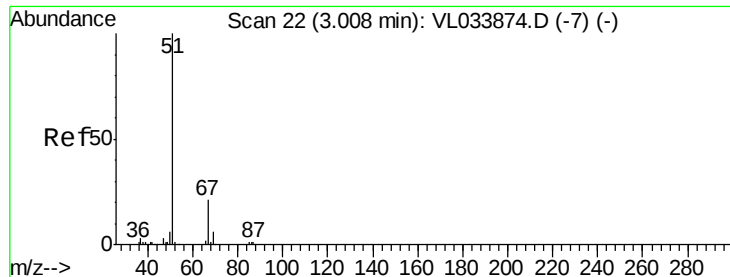
85 100

87 32.8 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





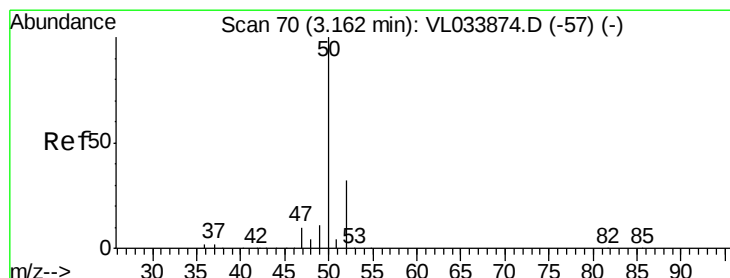
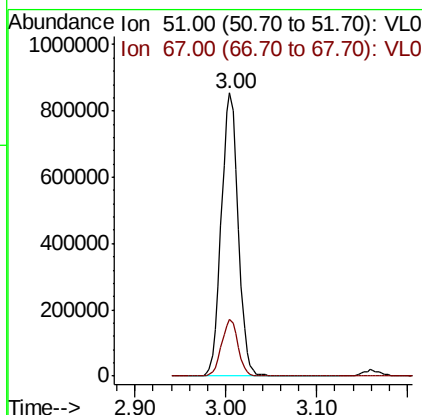
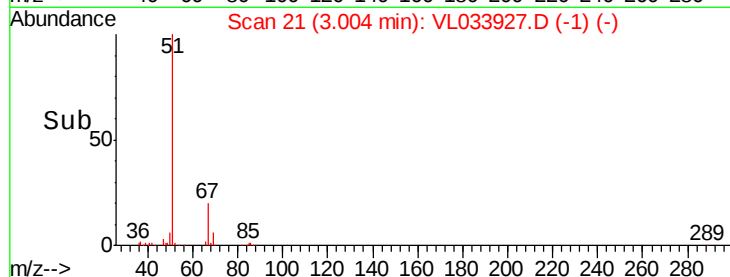
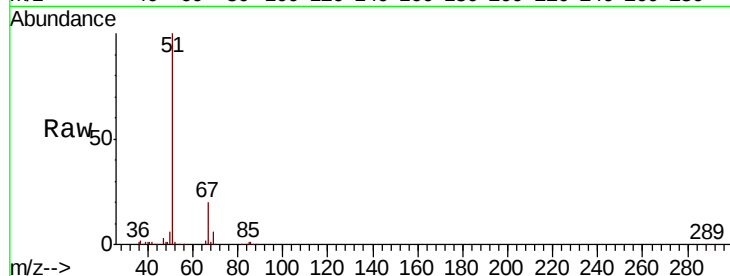
#3
Chlorodifluoromethane
Concen: 9.161 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion: 51 Resp: 1100748
Ion Ratio Lower Upper
51 100
67 19.6 16.4 24.6

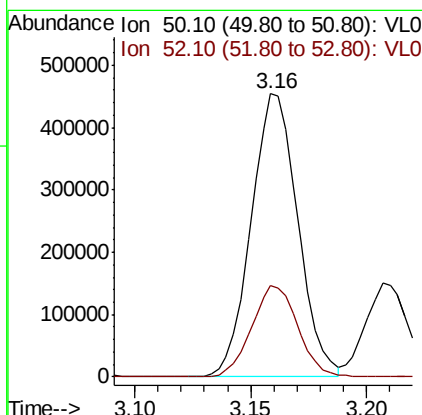
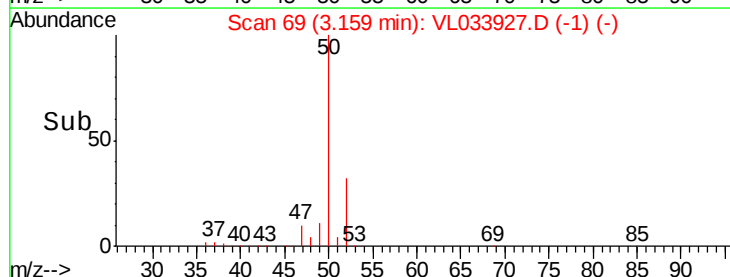
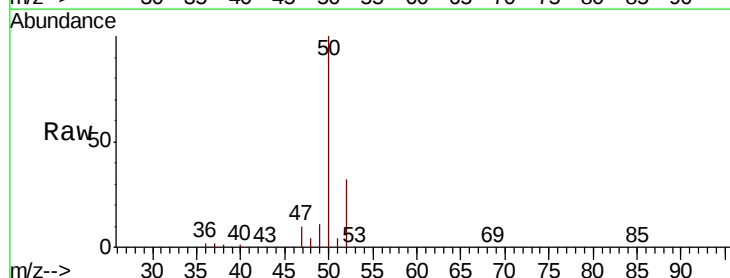
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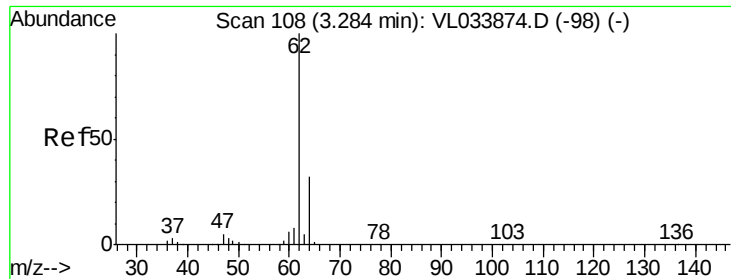
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#4
Chloromethane
Concen: 9.285 ppbv
RT: 3.16 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion: 50 Resp: 636378
Ion Ratio Lower Upper
50 100
52 32.3 25.4 38.0





#5

Vinyl Chloride

Concen: 10.054 ppbv

RT: 3.28 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleID :

VL0613ABS01

Tot Ion: 62 Resp: 639324

Ion Ratio Lower Upper

62 100

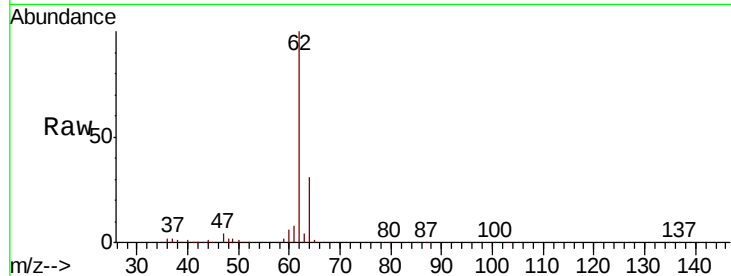
64 31.2 25.2 37.8

Manual Integrations

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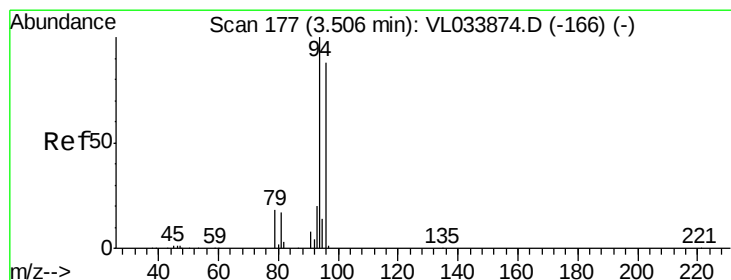
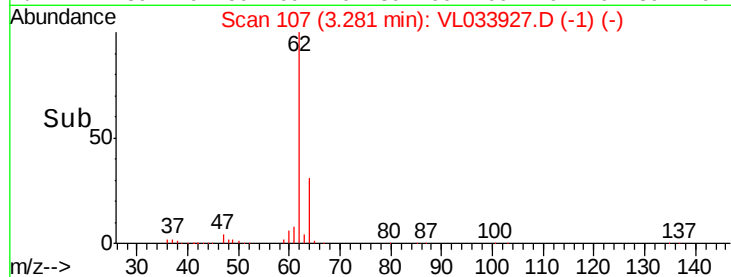
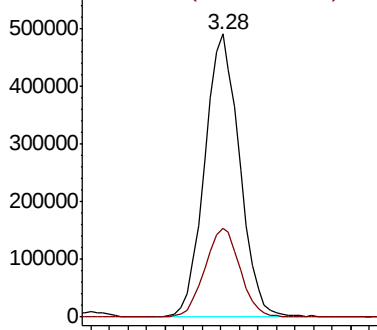
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.402 ppbv

RT: 3.50 min Scan# 176

Delta R.T. -0.00 min

Lab File: VL033927.D

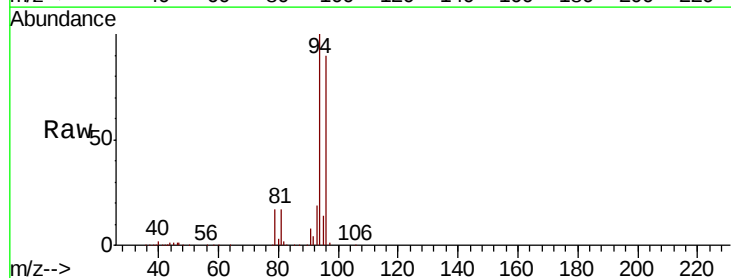
Acq: 14 Jun 2019 12:57

Tgt Ion: 94 Resp: 397209

Ion Ratio Lower Upper

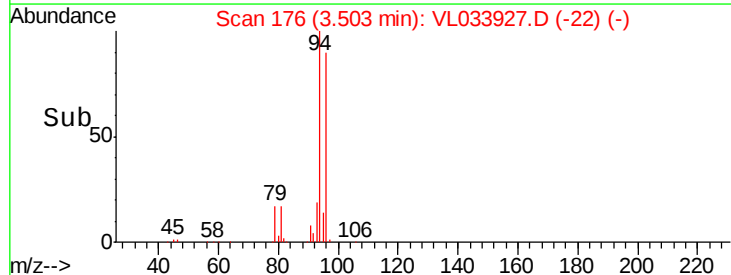
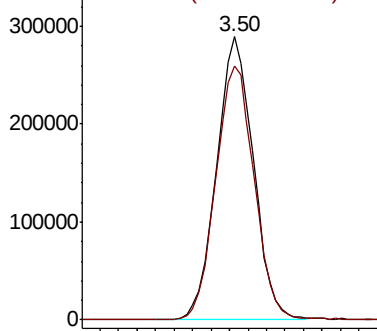
94 100

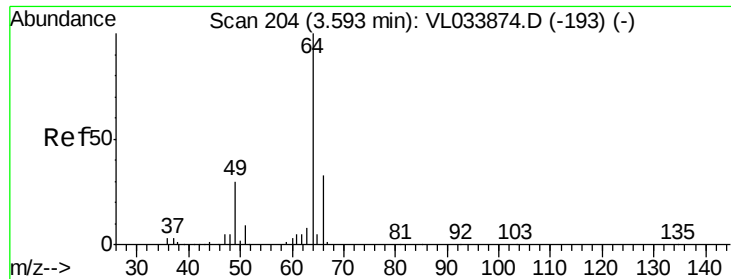
96 89.7 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.354 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 64 Resp: 235259

Ion Ratio Lower Upper

64 100

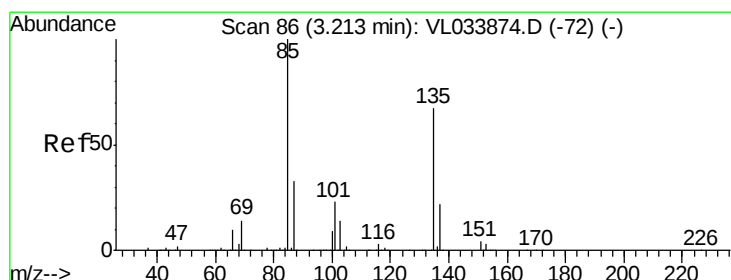
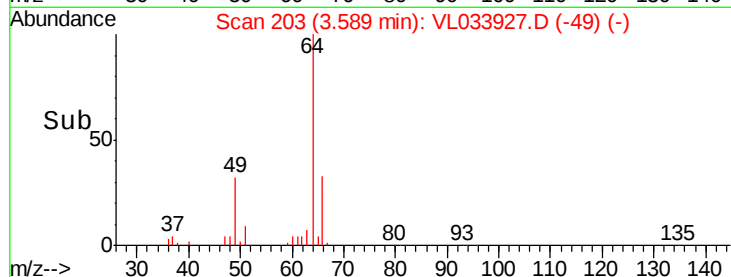
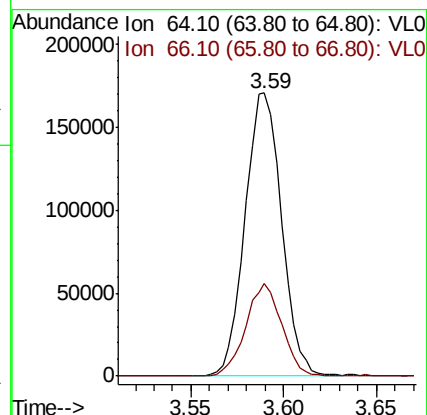
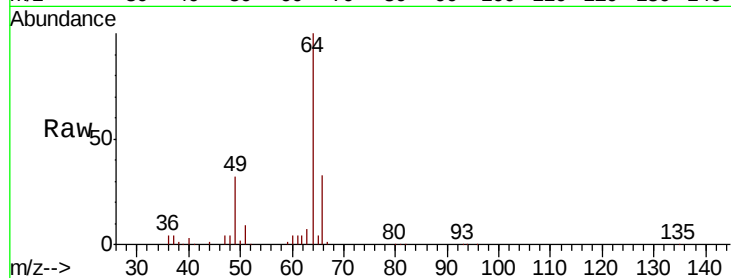
66 32.9 26.7 40.1

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#8

Dichlorotetrafluoroethane

Concen: 8.898 ppbv

RT: 3.21 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL033927.D

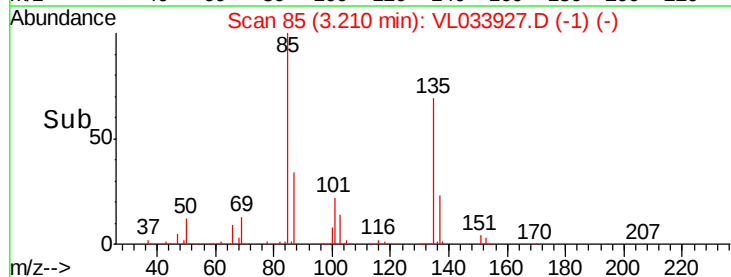
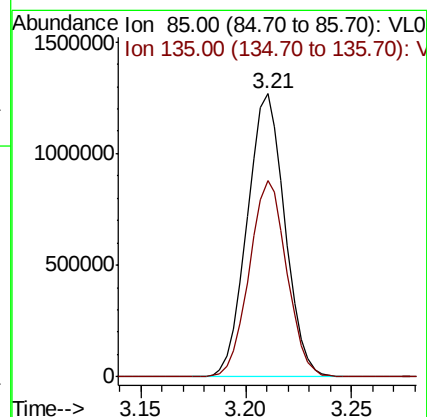
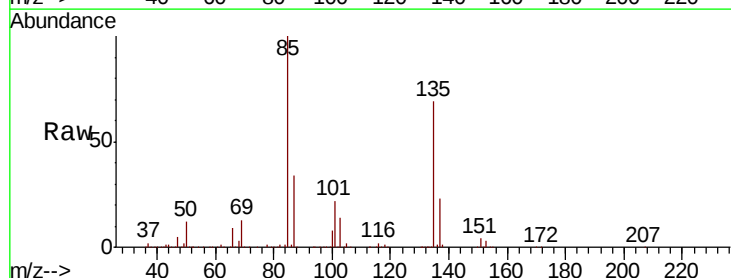
Acq: 14 Jun 2019 12:57

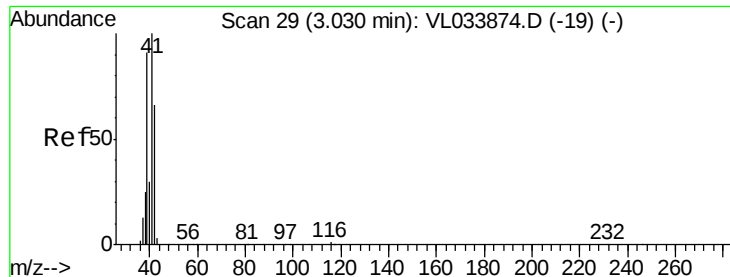
Tgt Ion: 85 Resp: 1575014

Ion Ratio Lower Upper

85 100

135 69.2 53.7 80.5





#9

Propene

Concen: 10.939 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 41 Resp: 491796

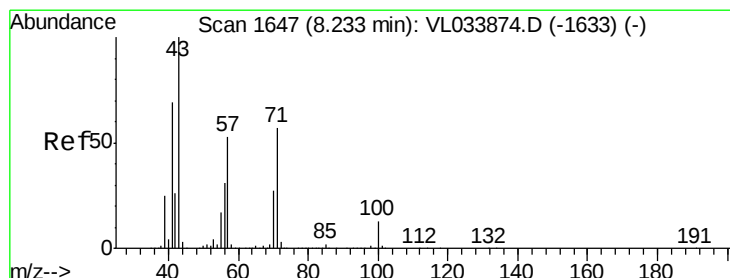
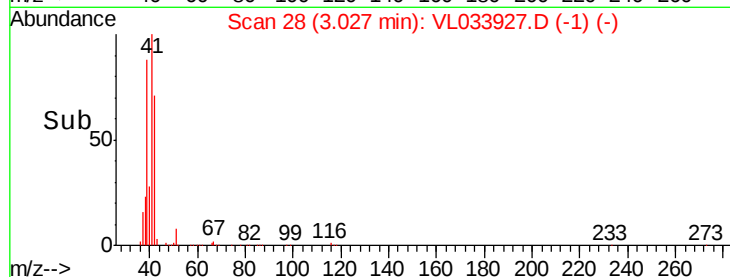
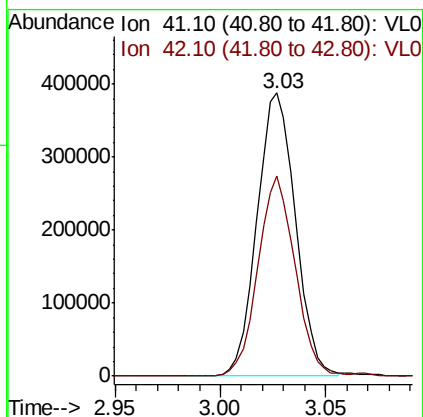
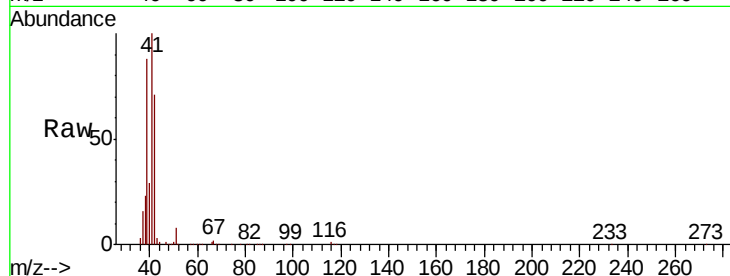
Ion Ratio Lower Upper

41 100

42 69.0 56.3 84.5

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#10

Heptane

Concen: 11.663 ppbv

RT: 8.23 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VL033927.D

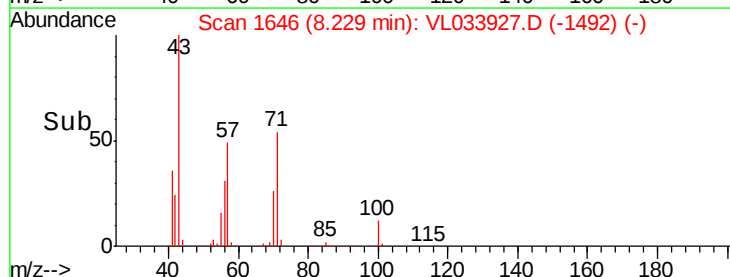
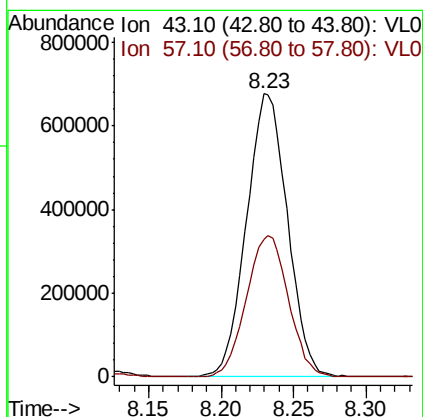
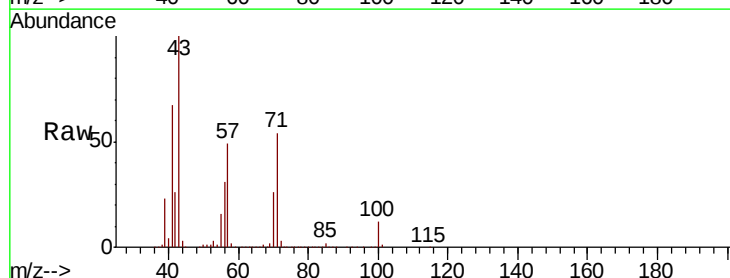
Acq: 14 Jun 2019 12:57

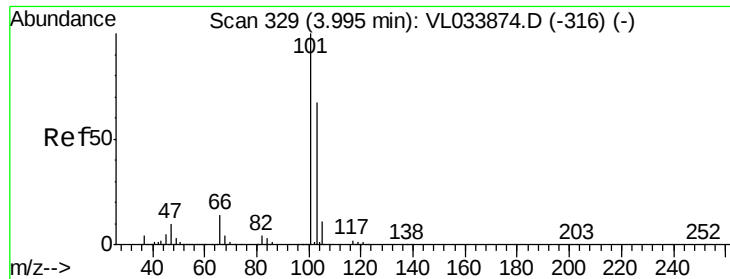
Tgt Ion: 43 Resp: 1325386

Ion Ratio Lower Upper

43 100

57 51.4 41.7 62.5





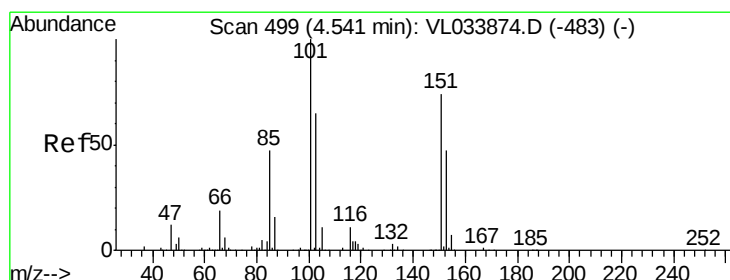
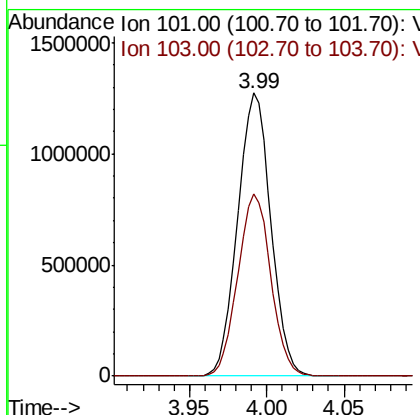
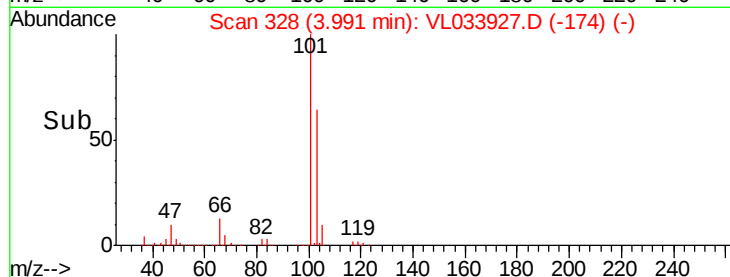
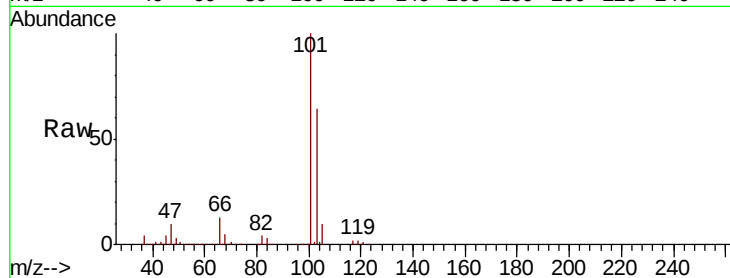
#11
 Trichlorofluoromethane
 Concen: 8.900 ppbv
 RT: 3.99 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion:101 Resp: 1901881
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.6 80.4

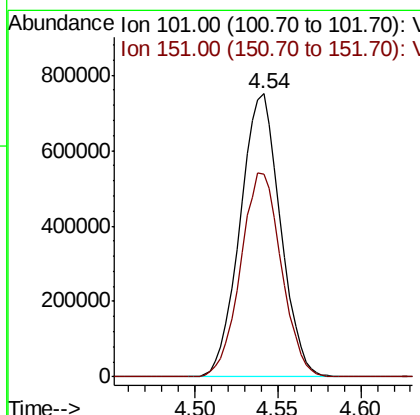
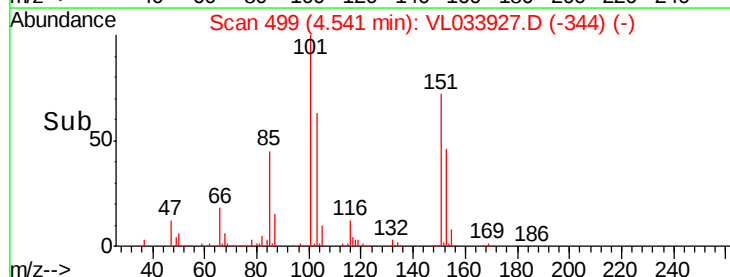
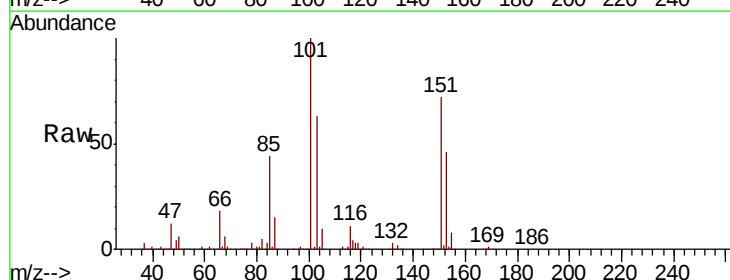
Manual Integrations
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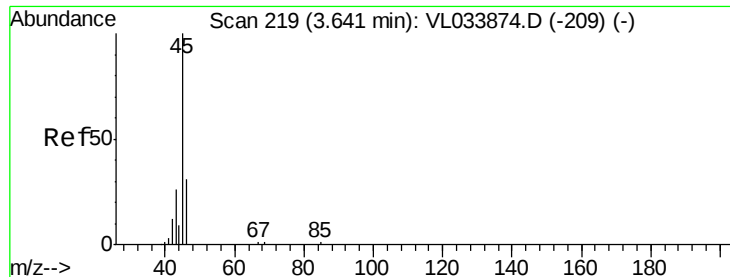
MMDadoda
 6/17/2019 12:37:46 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.780 ppbv
 RT: 4.54 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion:101 Resp: 1268103
 Ion Ratio Lower Upper
 101 100
 151 72.9 58.6 87.8





#13

Ethanol

Concen: 7.916 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 45 Resp: 115796

Ion Ratio Lower Upper

45 100

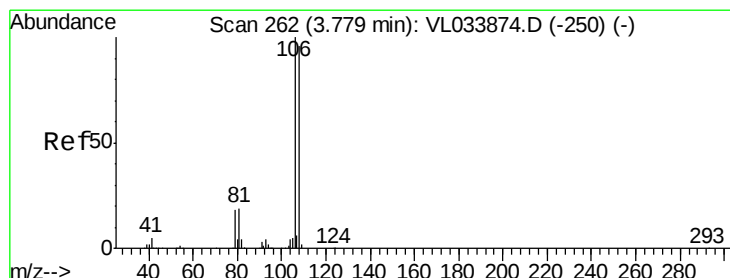
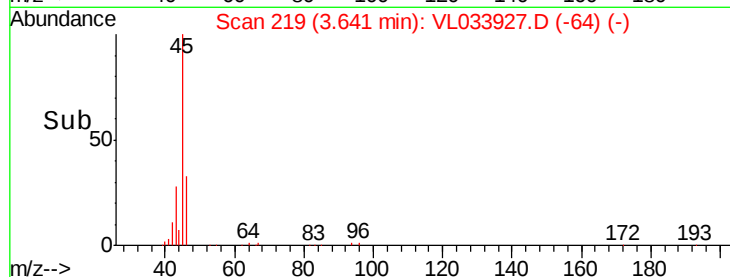
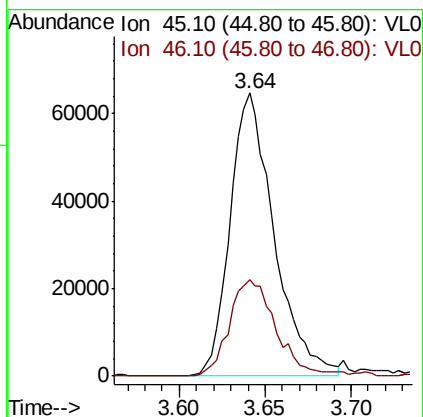
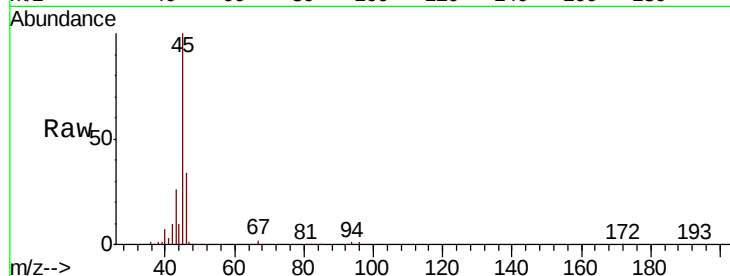
46 36.7 15.3 61.1

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#14

Bromoethene

Concen: 9.911 ppbv

RT: 3.78 min Scan# 261

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

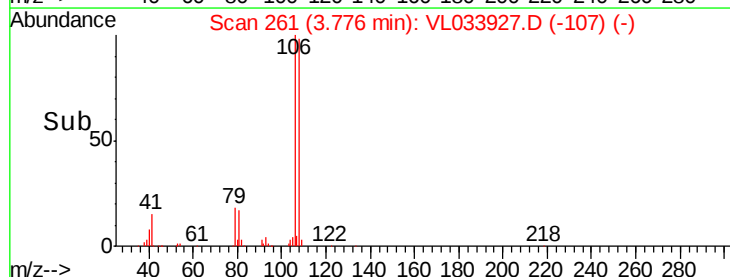
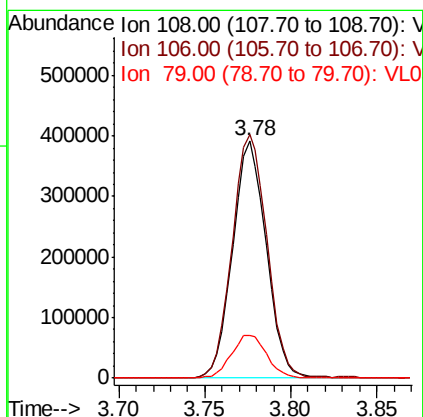
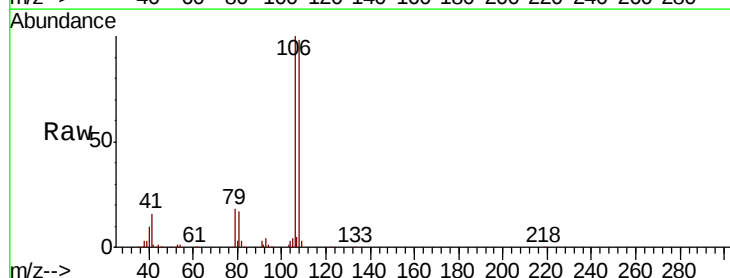
Tgt Ion: 108 Resp: 533404

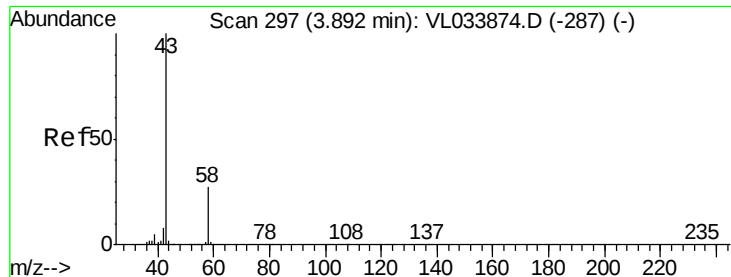
Ion Ratio Lower Upper

108 100

106 106.6 84.9 127.3

79 19.1 15.4 23.0





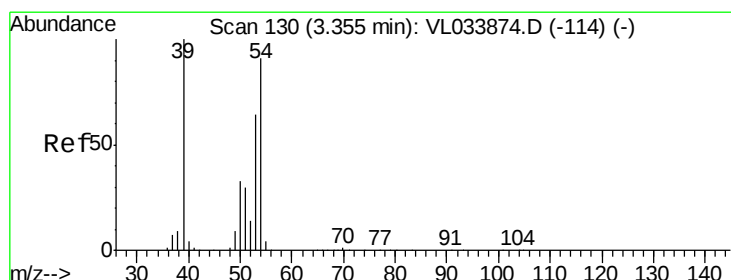
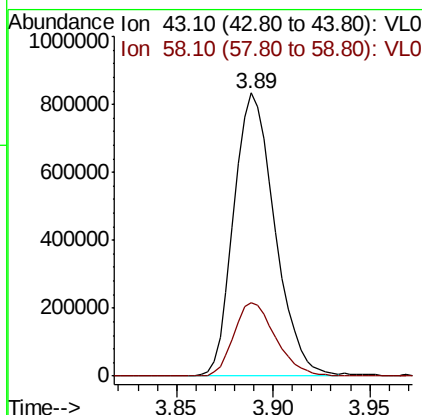
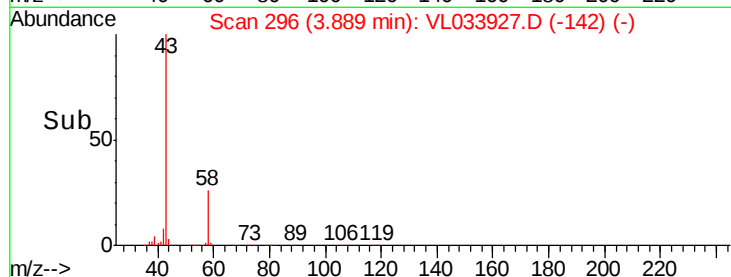
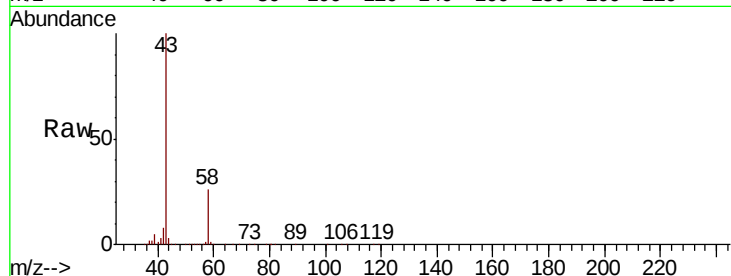
#15
Acetone
Concen: 8.264 ppbv
RT: 3.89 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion: 43 Resp: 1230164
Ion Ratio Lower Upper
43 100
58 26.6 21.3 31.9

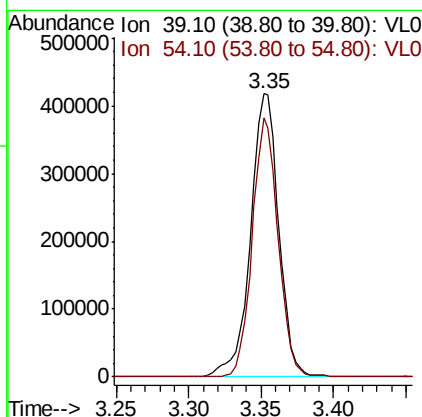
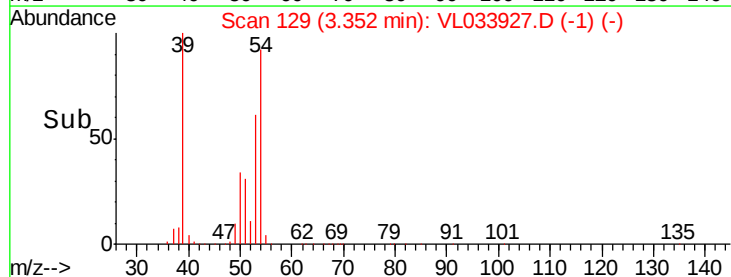
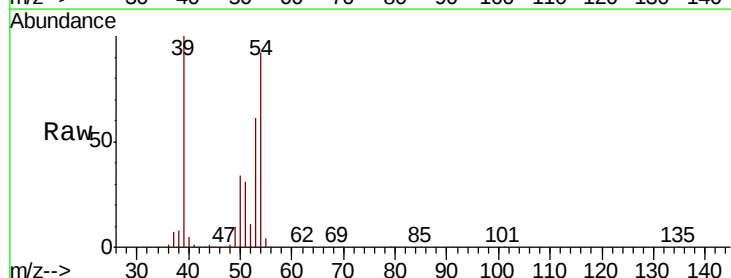
Manual Integrations
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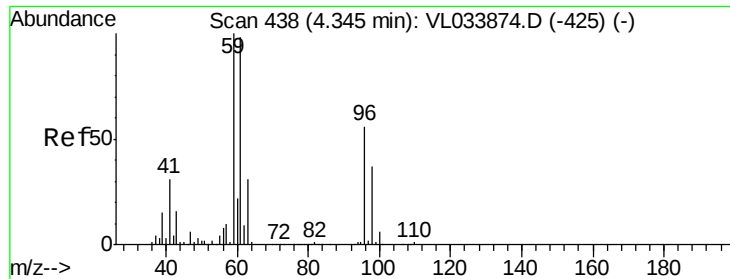
MMDadoda
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#16
1,3-Butadiene
Concen: 10.038 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion: 39 Resp: 568713
Ion Ratio Lower Upper
39 100
54 83.9 68.6 103.0





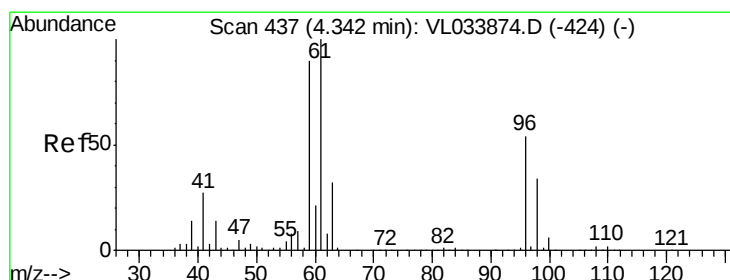
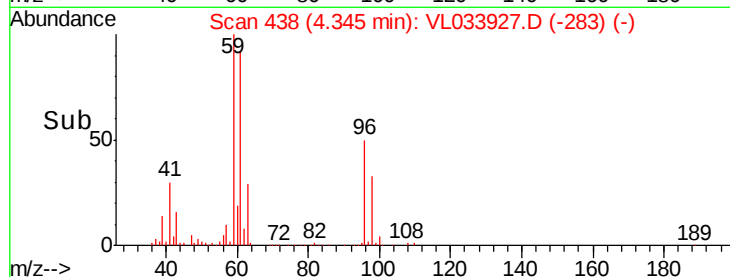
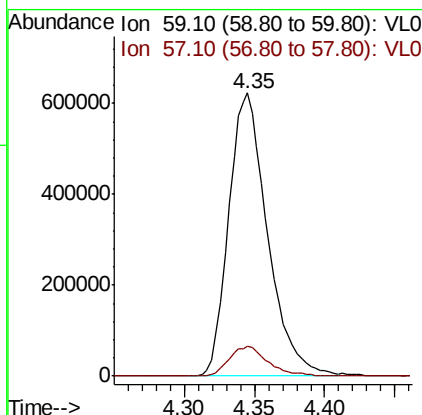
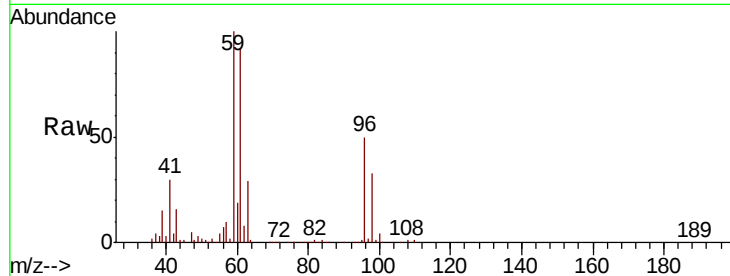
#17
tert-Butyl alcohol
Concen: 10.291 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion: 59 Resp: 1197576
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

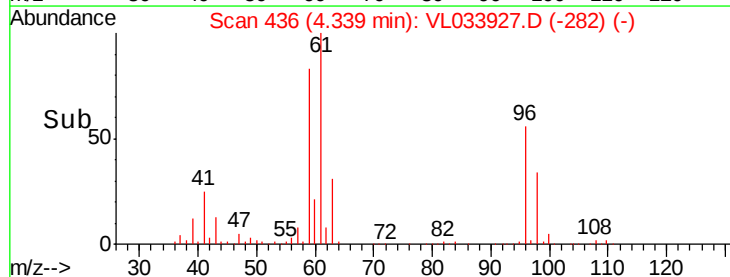
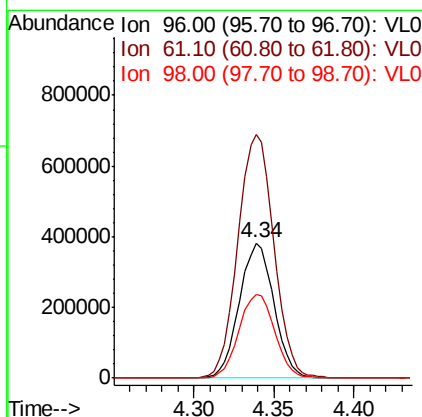
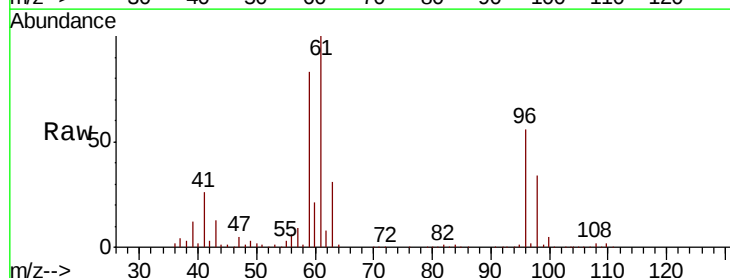
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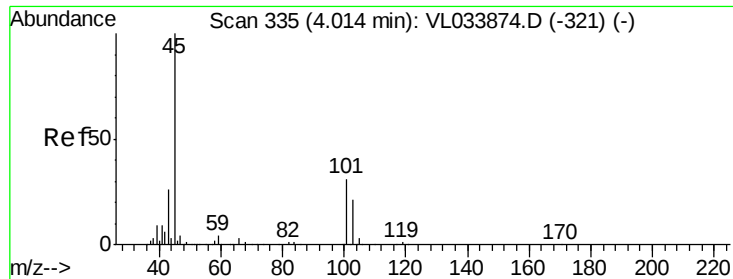
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.238 ppbv
RT: 4.34 min Scan# 436
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion: 96 Resp: 563542
Ion Ratio Lower Upper
96 100
61 179.9 147.0 220.6
98 61.3 49.4 74.0





#19

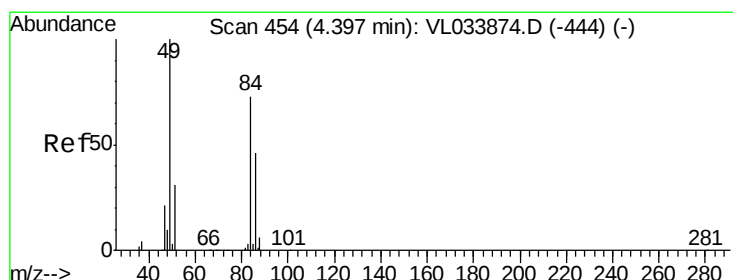
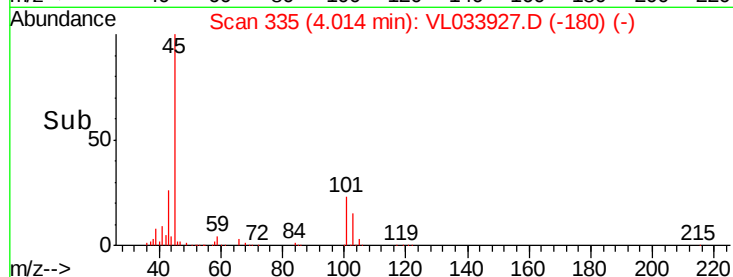
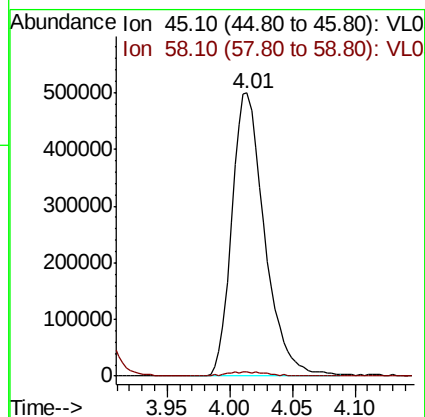
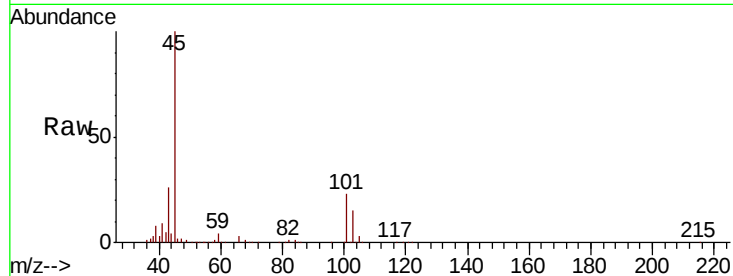
Isopropyl Alcohol
 Concen: 10.674 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion: 45 Resp: 907739
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.6

Manual Integrations
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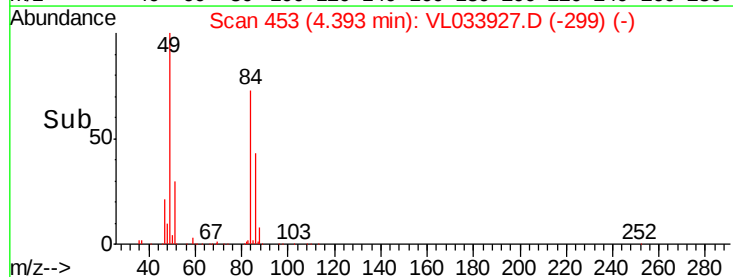
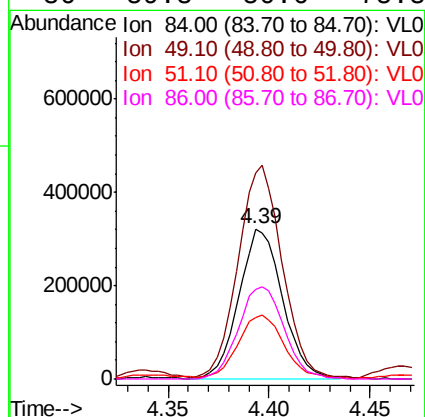
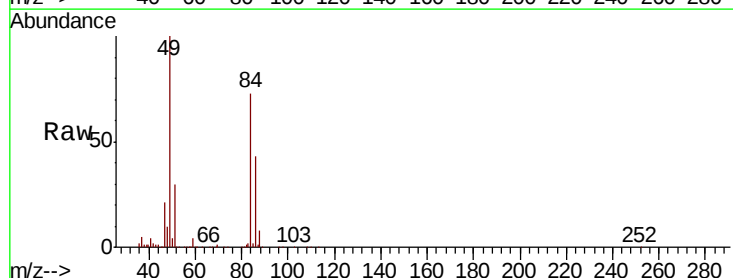
MMDadoda
 6/17/2019 12:37:46 AM

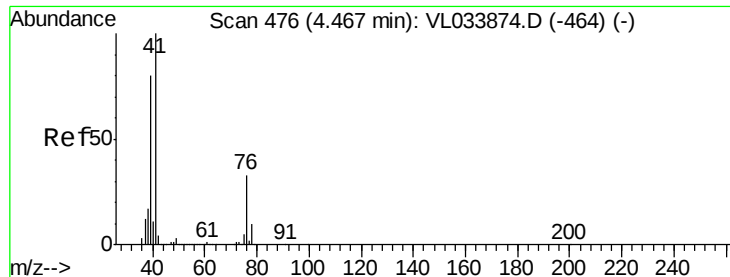


#20

Methylene Chloride
 Concen: 8.373 ppbv
 RT: 4.39 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion: 84 Resp: 486077
 Ion Ratio Lower Upper
 84 100
 49 137.1 110.0 165.0
 51 40.1 34.6 51.8
 86 59.8 50.6 75.8





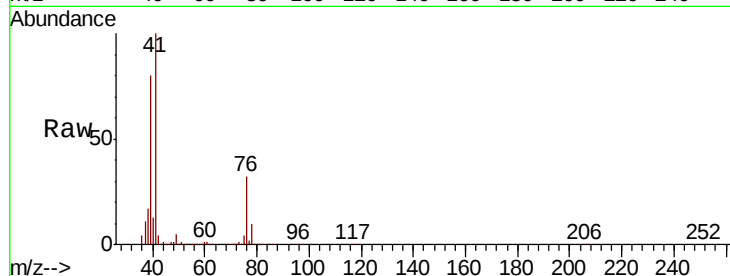
#21
Allvl Chloride
Concen: 9.879 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.3	26.6	39.8
39	80.3	65.2	97.8

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MMDadoda
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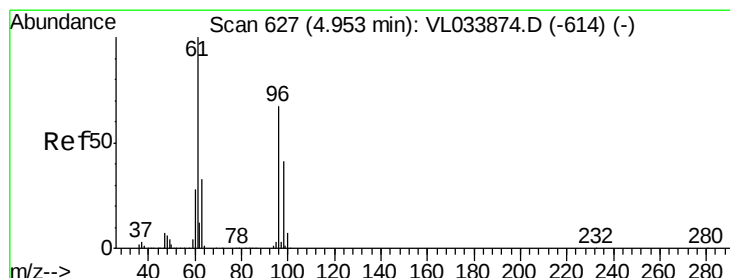
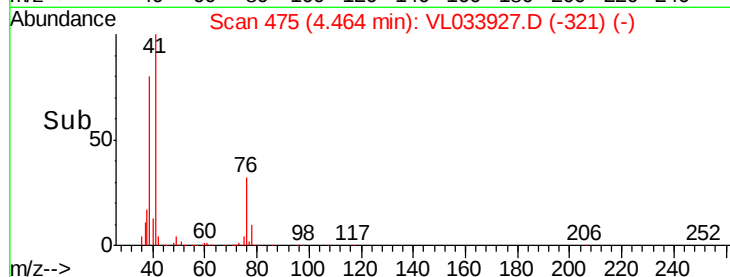
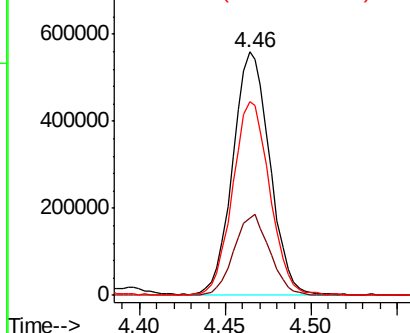


Abundance

Ion 41.10 (40.80 to 41.80): VL0

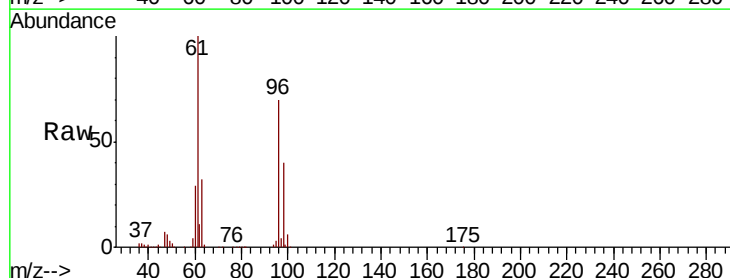
Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22
trans-1,2-Dichloroethene
Concen: 9.227 ppbv
RT: 4.95 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	119.0	178.6
98	57.7	48.3	72.5

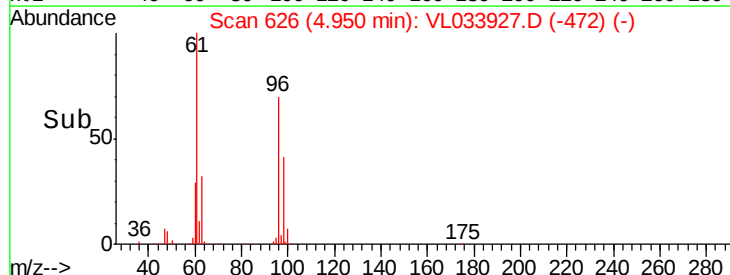
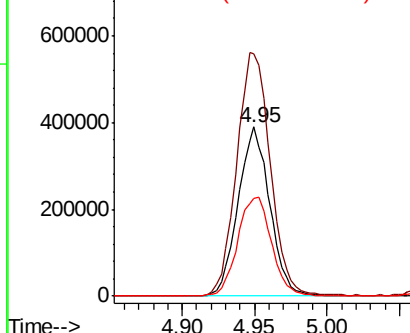


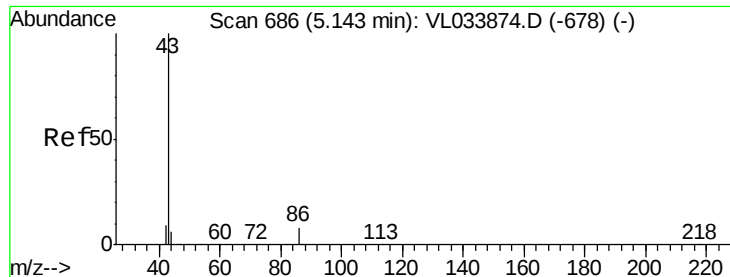
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.965 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 43 Resp: 1897180

Ion Ratio Lower Upper

43 100

86 7.2 5.8 8.8

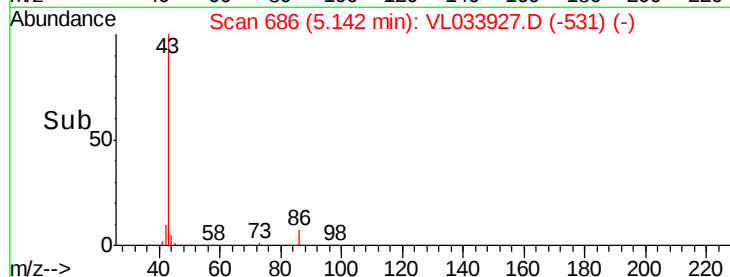
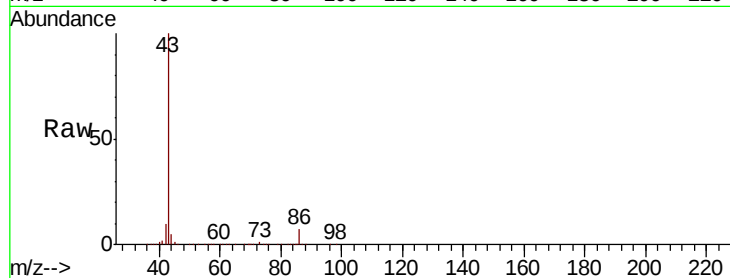
42 9.6 7.8 11.8

44 4.9 4.2 6.4

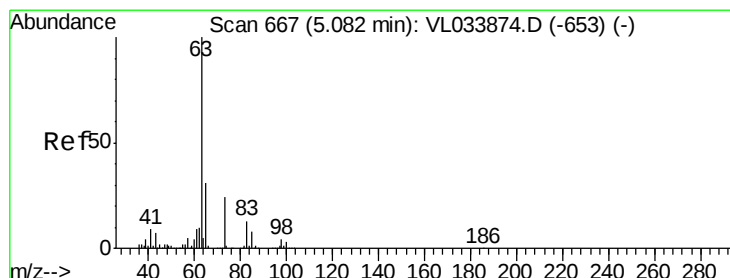
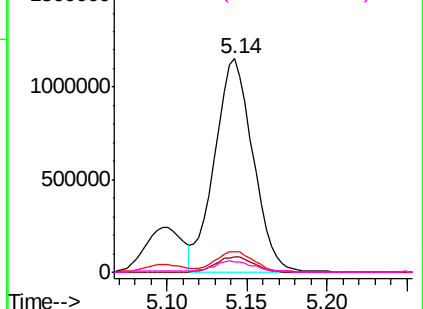
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.597 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

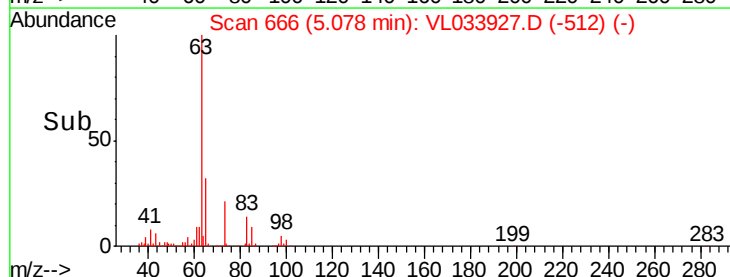
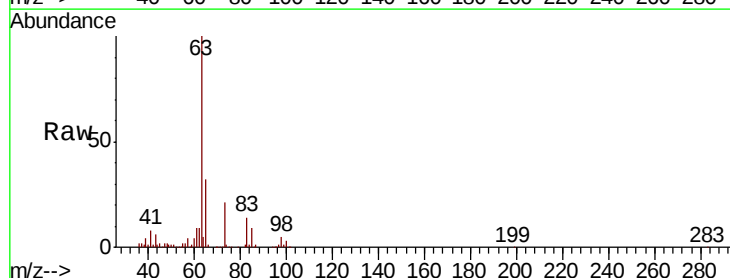
Tgt Ion: 63 Resp: 1291509

Ion Ratio Lower Upper

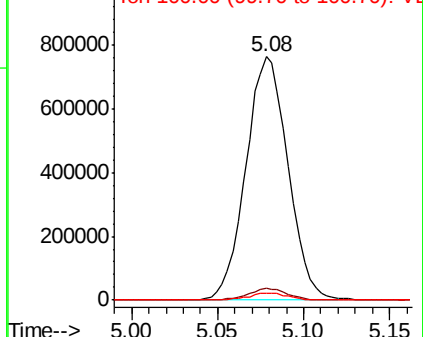
63 100

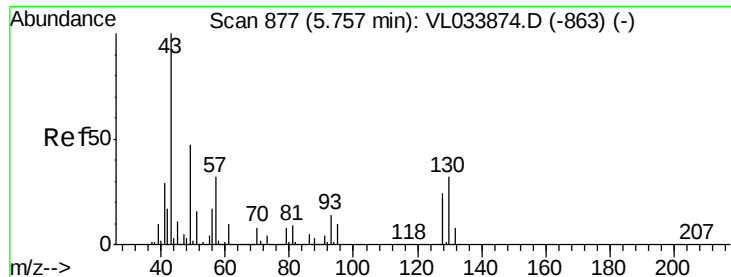
98 4.6 2.2 6.6

100 3.1 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





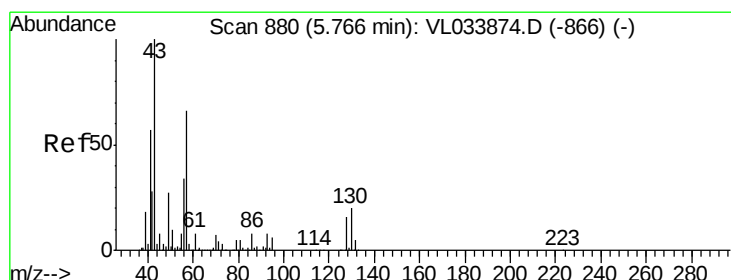
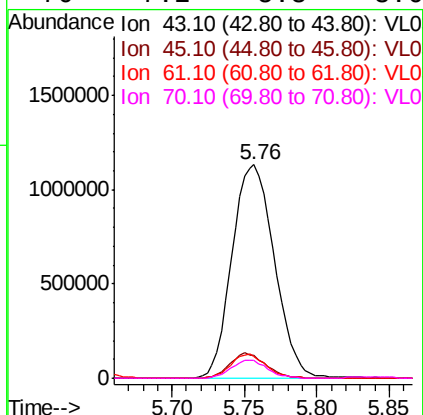
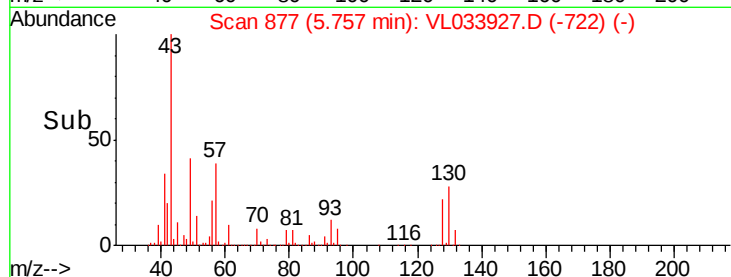
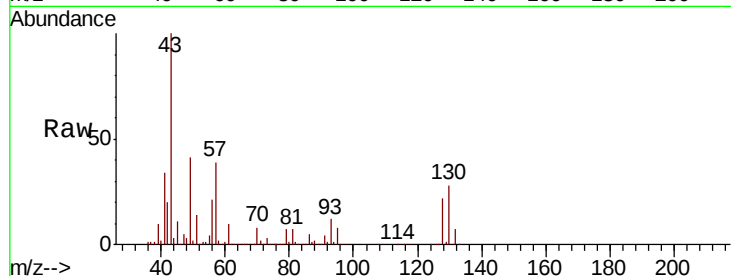
#25
Ethyl Acetate
Concen: 10.098 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	7.9	11.9	
61	9.6	7.8	11.6	
70	7.2	5.8	8.6	

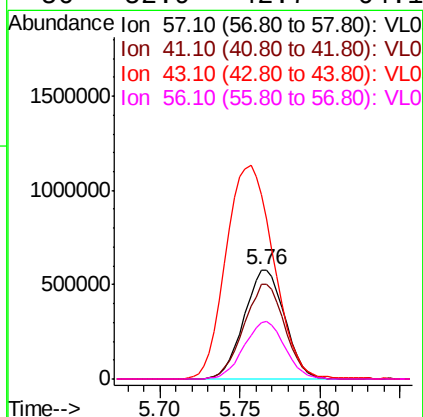
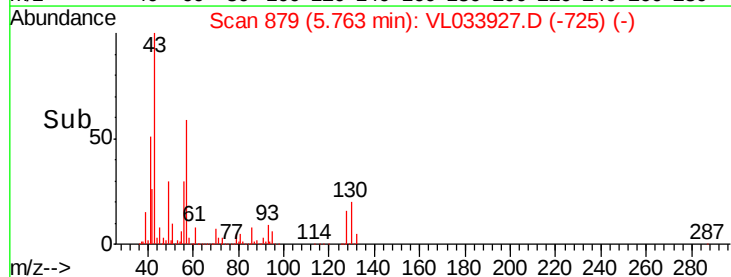
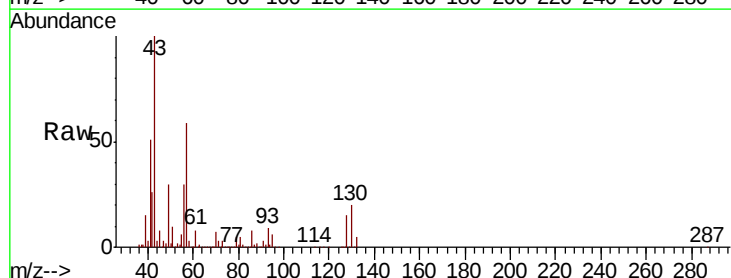
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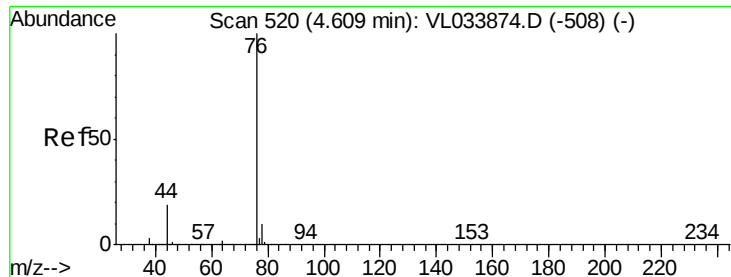
MMDadoda
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#26
Hexane
Concen: 9.747 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	87.6	71.4	107.2	
43	229.0	183.7	275.5	
56	52.9	42.7	64.1	





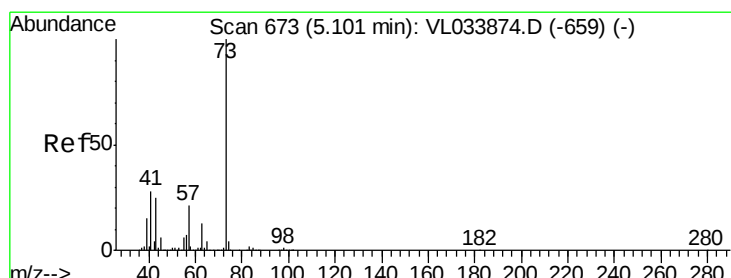
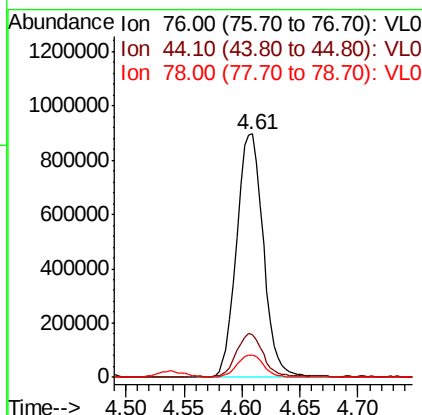
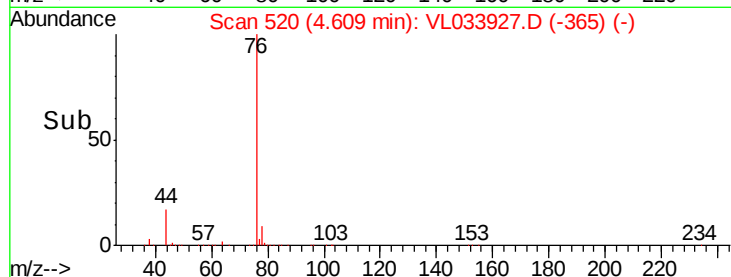
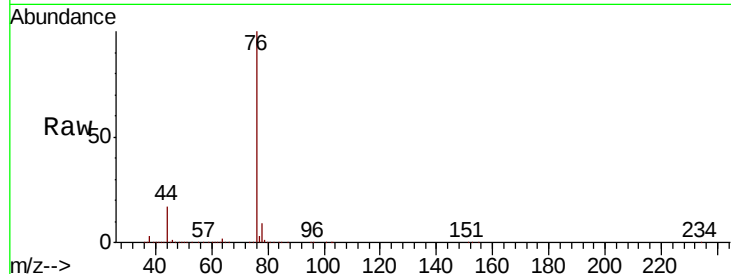
#27
Carbon Disulfide
Concen: 9.990 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.5	14.4	21.6
78	9.2	7.5	11.3

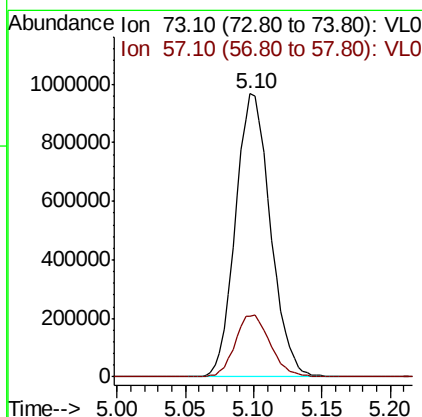
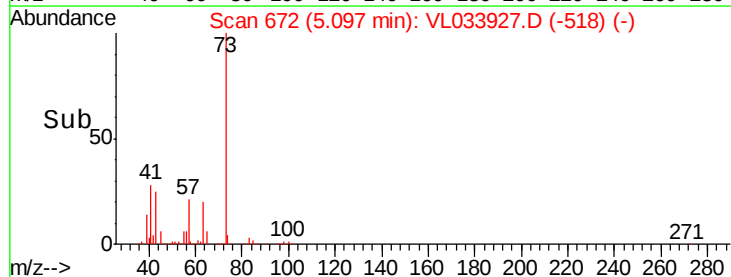
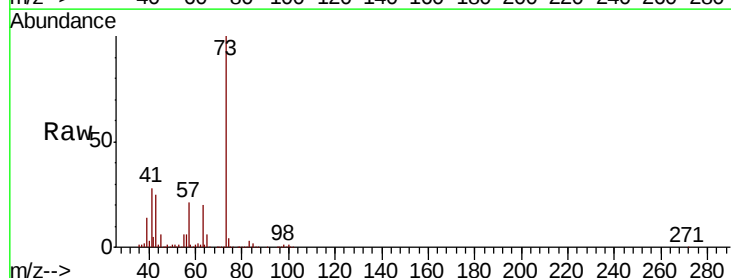
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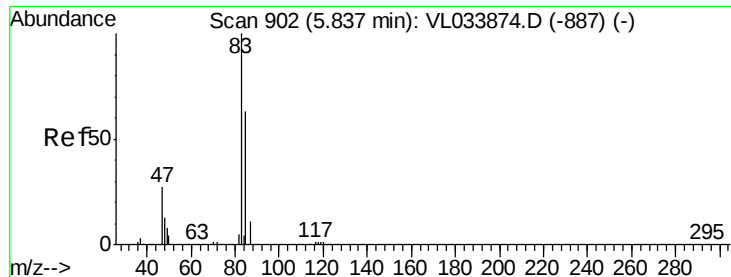
MMDadoda
6/17/2019 12:37:46 AM



#28
Methyl tert-Butyl Ether
Concen: 11.041 ppbv
RT: 5.10 min Scan# 672
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.2	25.8





#29

Chloroform

Concen: 9.430 ppbv

RT: 5.84 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 83 Resp: 1667122

Ion Ratio Lower Upper

83 100

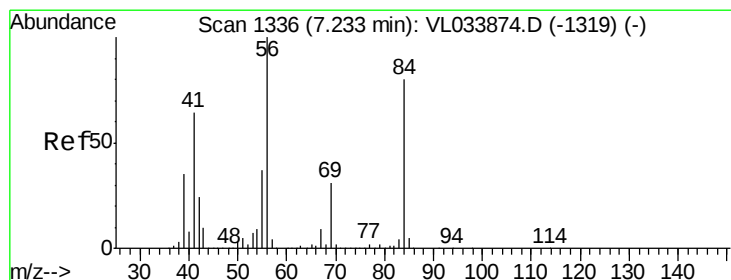
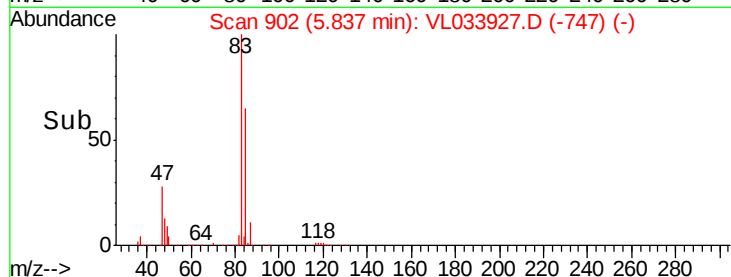
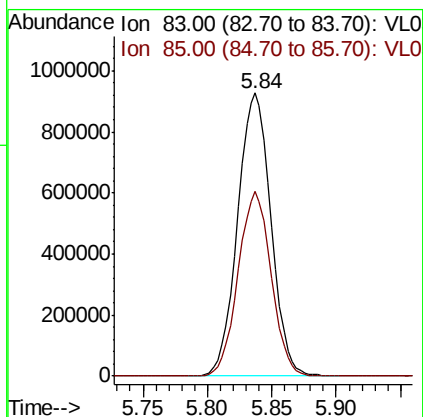
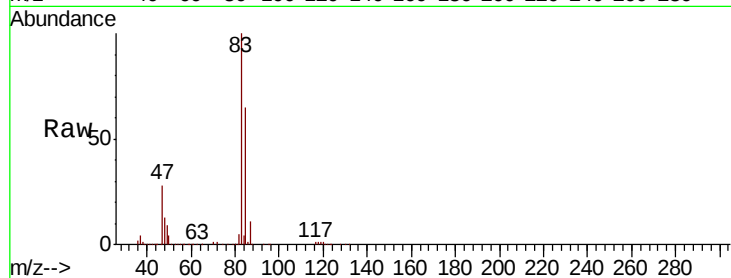
85 65.0 50.5 75.7

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#30

Cyclohexane

Concen: 11.658 ppbv

RT: 7.23 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

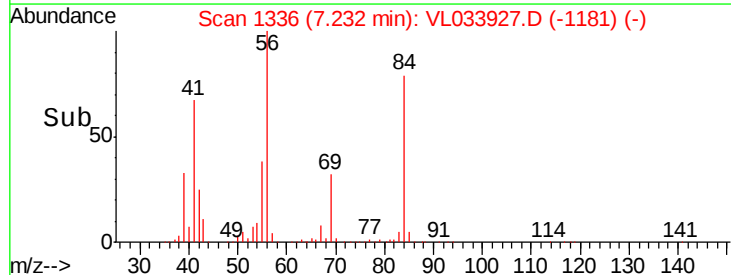
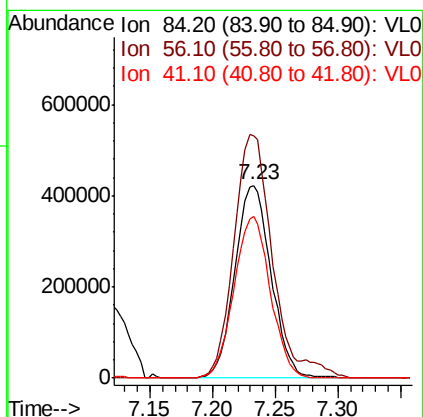
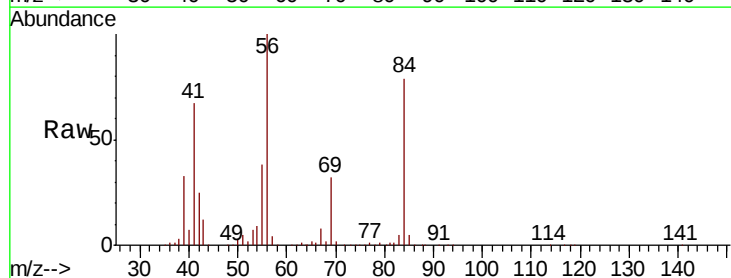
Tgt Ion: 84 Resp: 850214

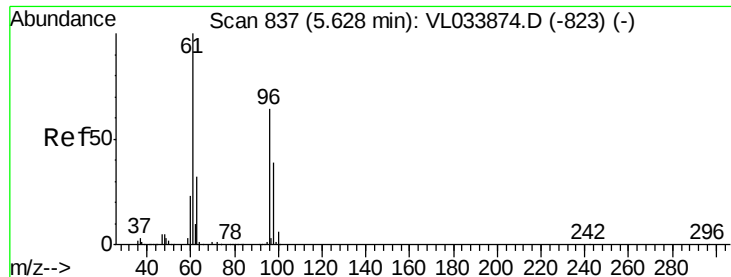
Ion Ratio Lower Upper

84 100

56 135.0 105.8 158.8

41 84.1 65.7 98.5





#31

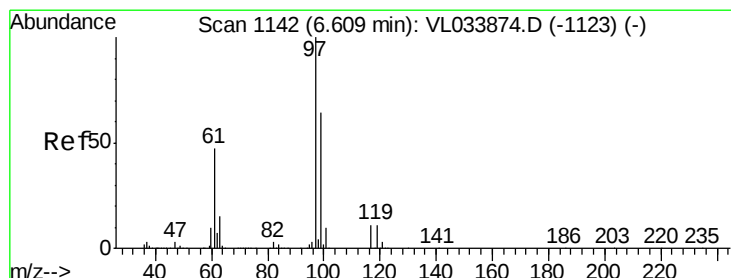
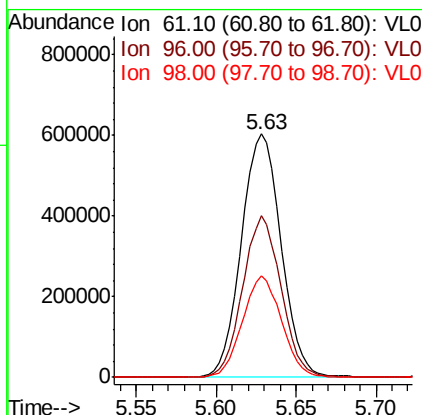
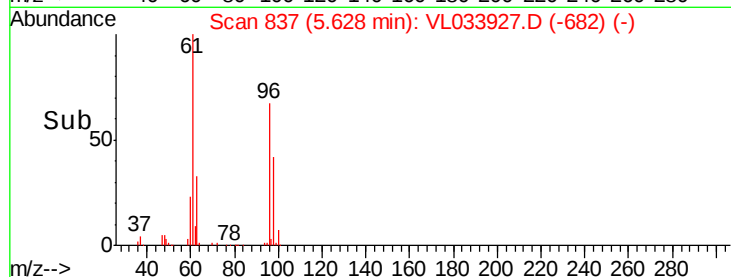
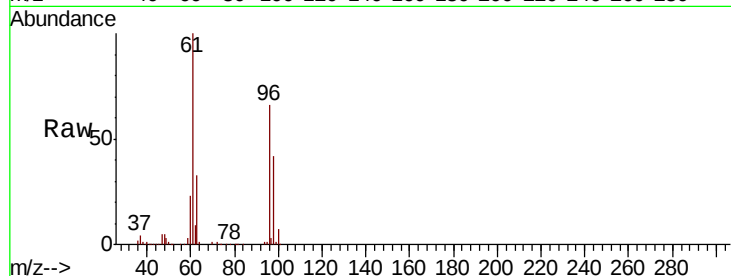
cis-1,2-Dichloroethene
Concen: 11.288 ppbv
RT: 5.63 min Scan# 837
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.5	50.9	76.3
98	41.6	31.4	47.2

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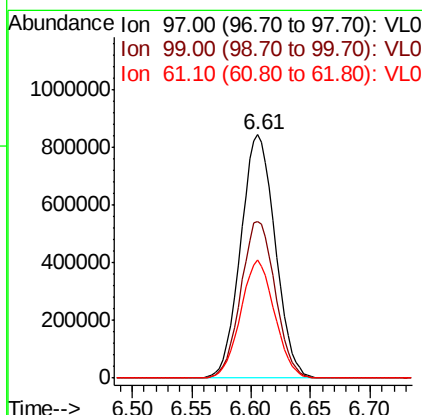
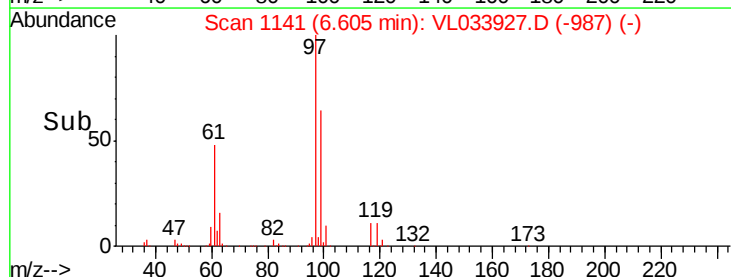
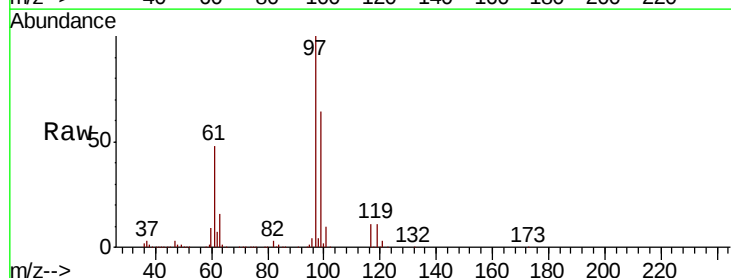
MMDadoda
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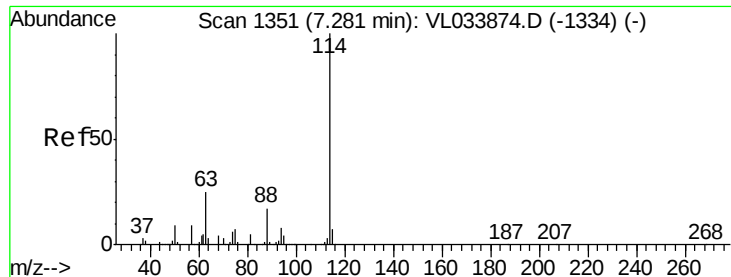


#32

1,1,1-Trichloroethane
Concen: 9.968 ppbv
RT: 6.61 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	47.9	37.7	56.5





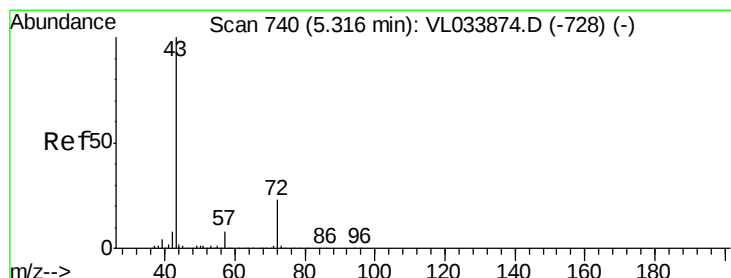
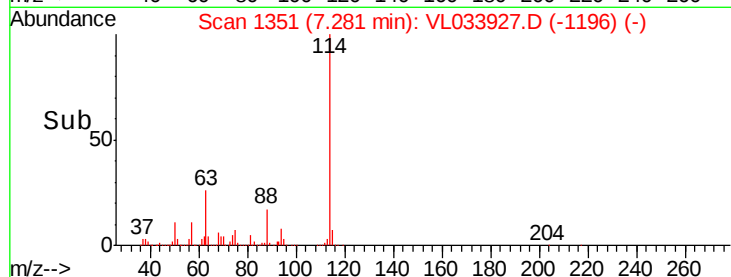
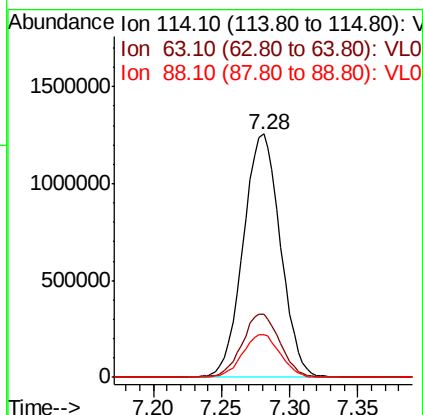
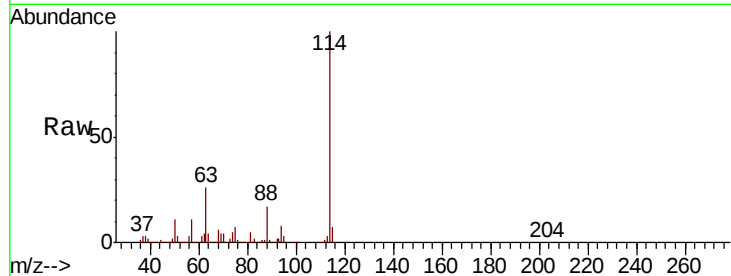
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.1	31.7
88	17.7	14.2	21.4

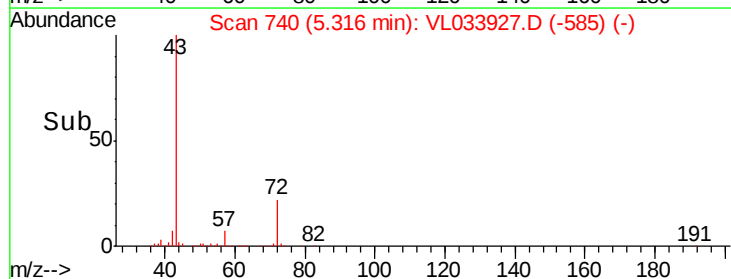
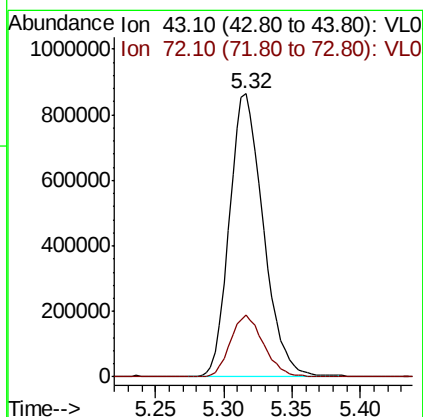
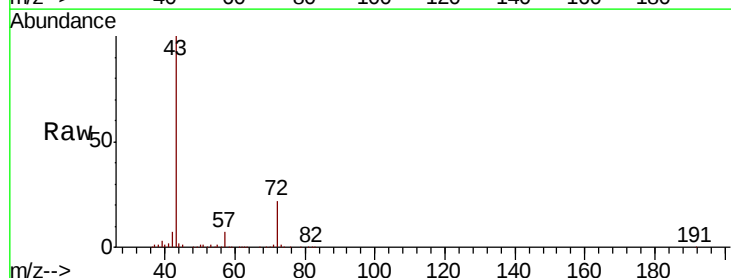
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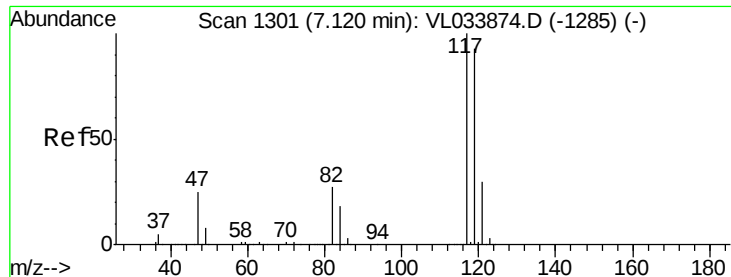
MMDadoda
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#34
 2-Butanone
 Concen: 11.106 ppbv
 RT: 5.32 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 10.183 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion:117 Resp: 1872382

Ion Ratio Lower Upper

117 100

119 94.1 74.6 111.8

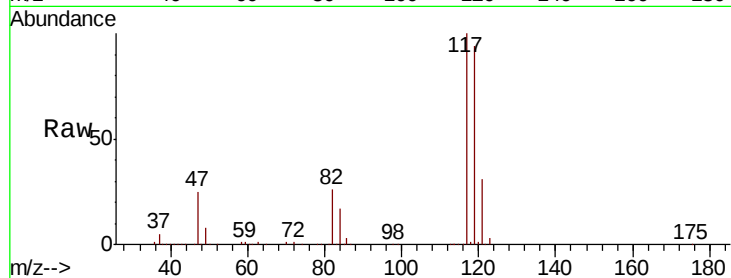
121 31.5 24.0 36.0

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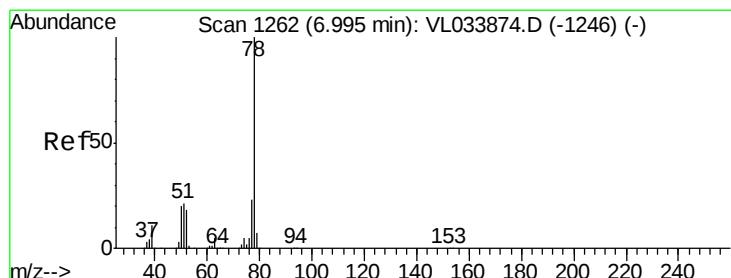
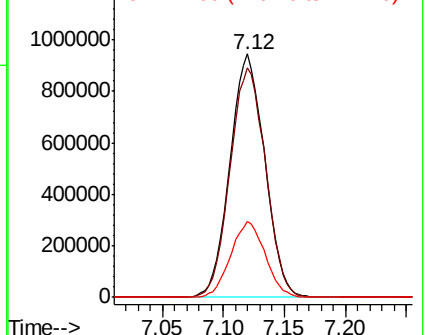
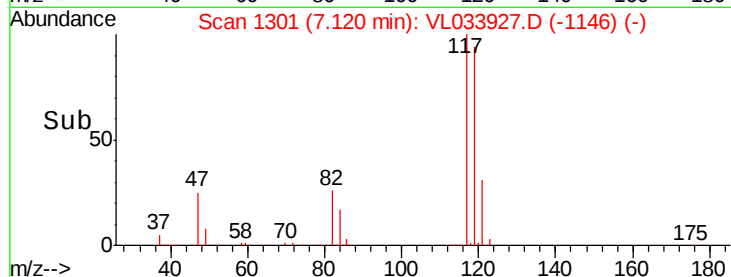


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.302 ppbv

RT: 6.99 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

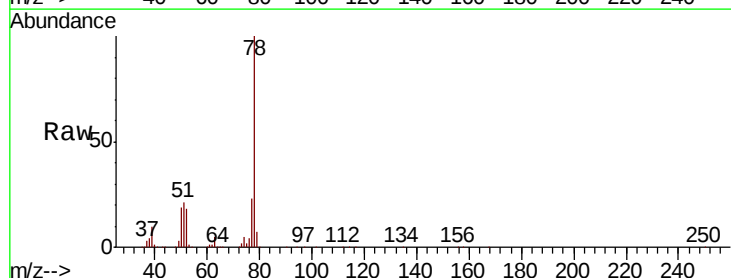
Tgt Ion: 78 Resp: 2054742

Ion Ratio Lower Upper

78 100

77 23.2 18.2 27.2

50 19.1 15.9 23.9

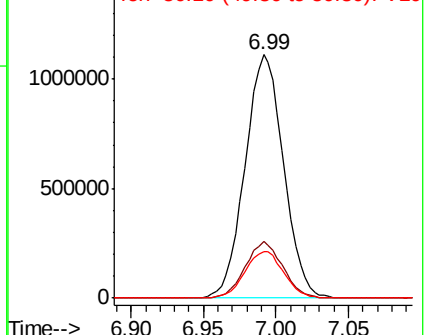
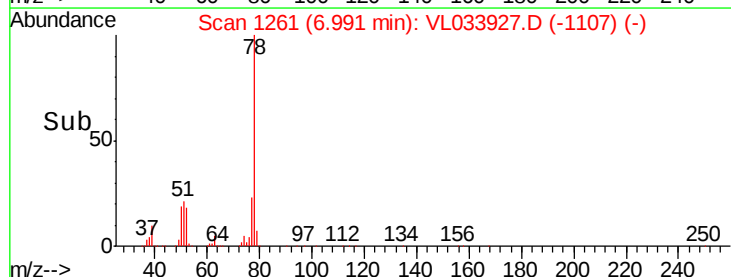


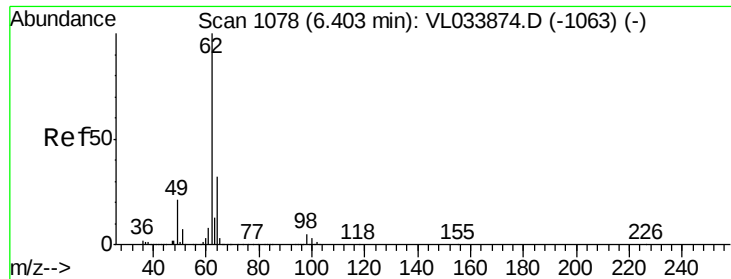
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.407 ppbv

RT: 6.40 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 62 Resp: 1264795

Ion Ratio Lower Upper

62 100

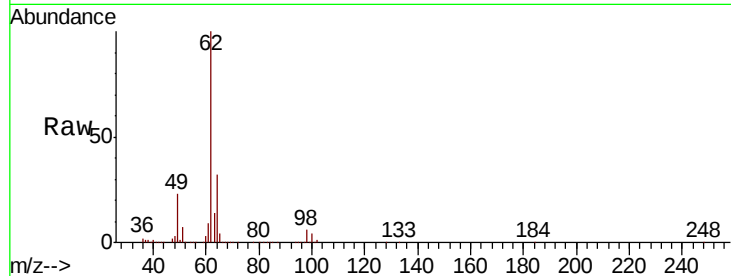
98 5.5 4.0 6.0

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.40

800000

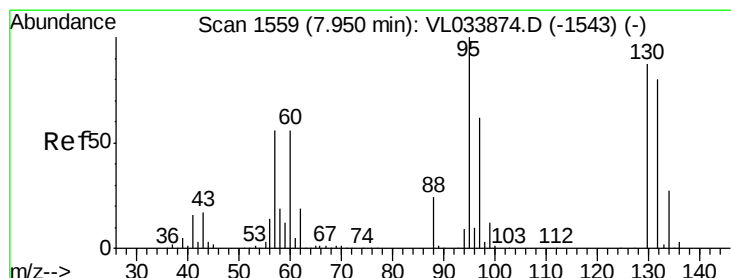
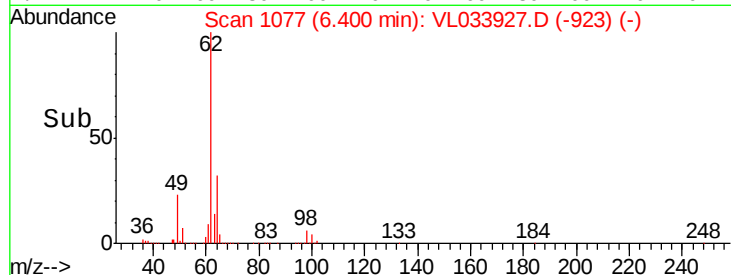
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 11.873 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Tgt Ion:130 Resp: 840429

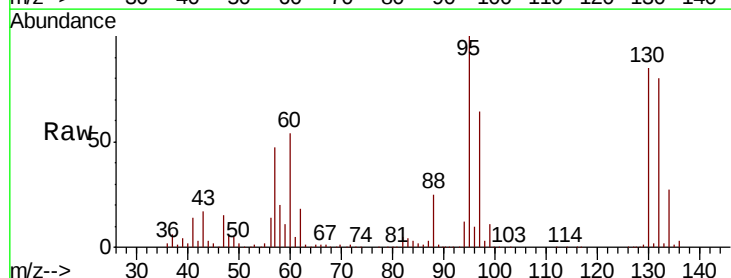
Ion Ratio Lower Upper

130 100

95 118.2 92.0 138.0

132 94.7 73.8 110.8

97 75.4 57.2 85.8



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

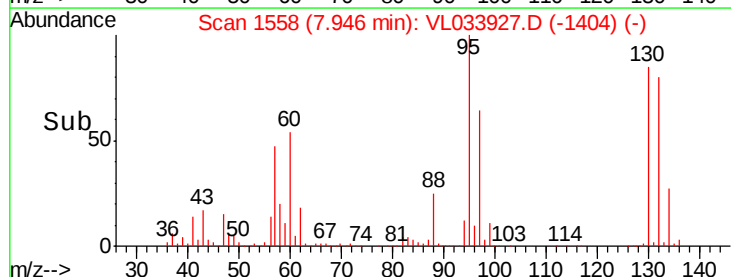
600000

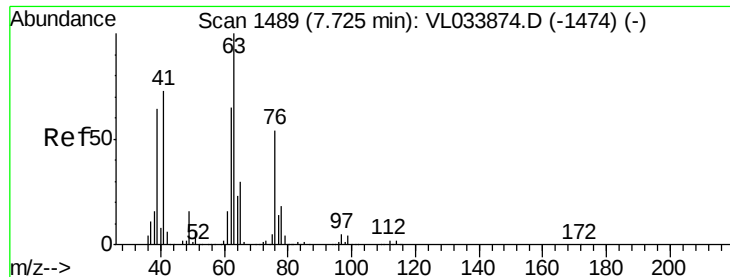
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 11.026 ppbv

RT: 7.72 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

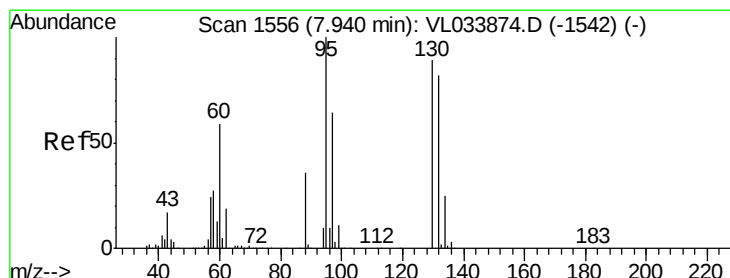
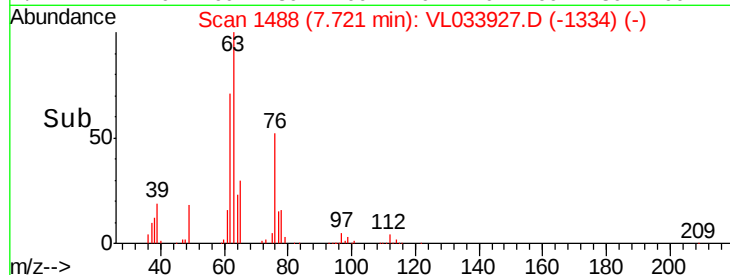
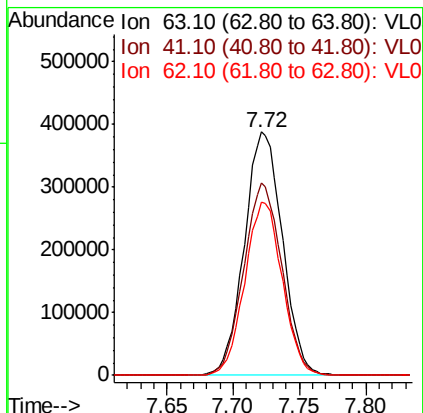
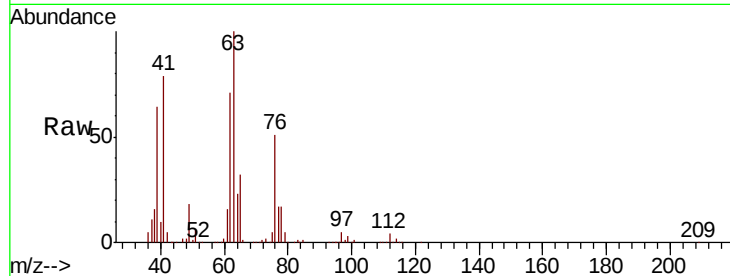
ClientSampleId :

VL0613ABS01

Tot Ion:	63	Resp:	773638
Ion	Ratio	Lower	Upper
63	100		
41	78.8	58.7	88.1
62	70.9	51.9	77.9

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#40

1,4-Dioxane

Concen: 11.492 ppbv

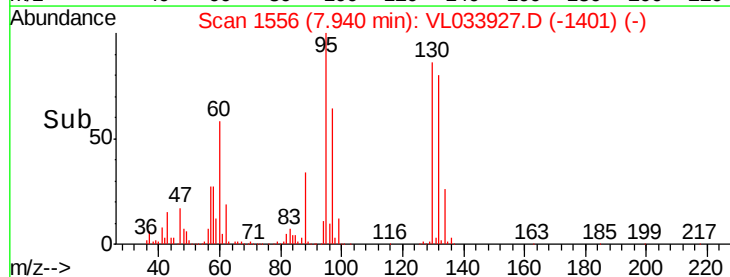
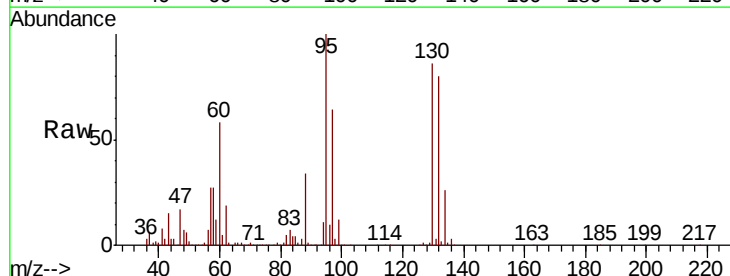
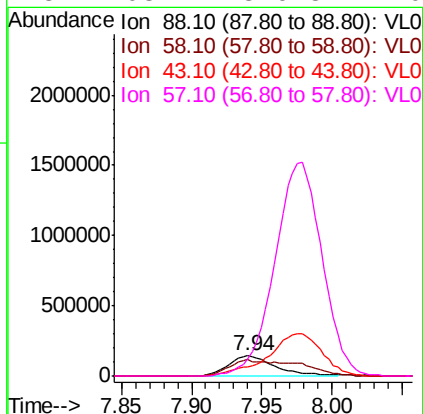
RT: 7.94 min Scan# 1556

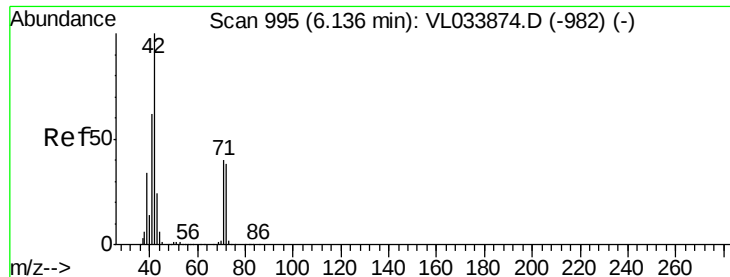
Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Tgt Ion:	88	Resp:	328873
Ion	Ratio	Lower	Upper
88	100		
58	126.5	100.0	150.0
43	242.6	184.7	277.1
57	1082.2	826.8	1240.2





#41

Tetrahydrofuran

Concen: 12.044 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

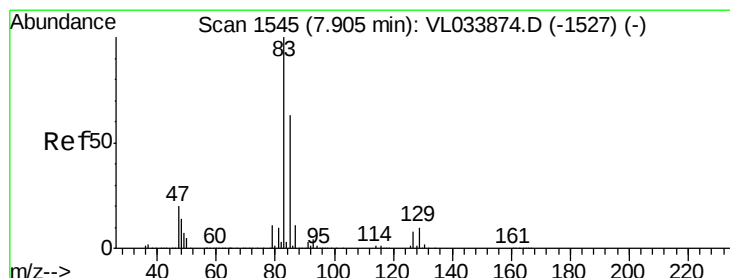
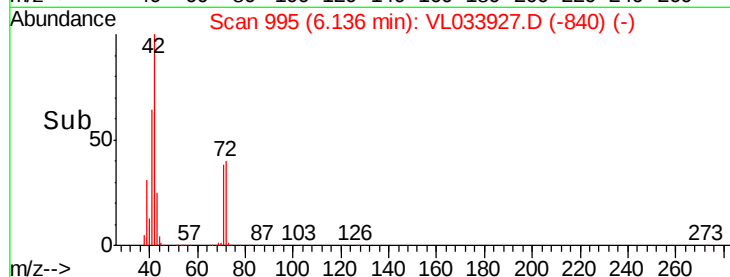
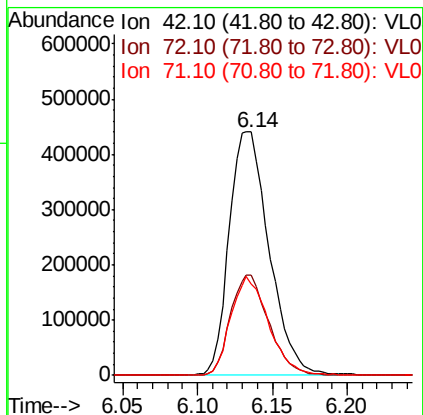
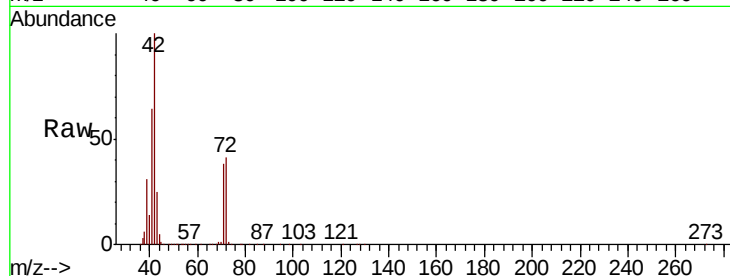
ClientSampleId :

VL0613ABS01

Tot Ion:	42	Resp:	820741
Ion Ratio		Lower	Upper
42	100		
72	39.7	32.2	48.4
71	38.6	31.7	47.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.361 ppbv

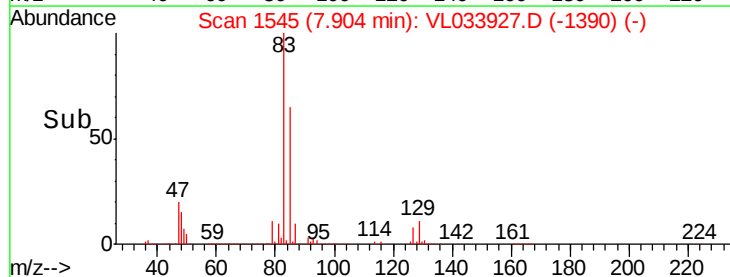
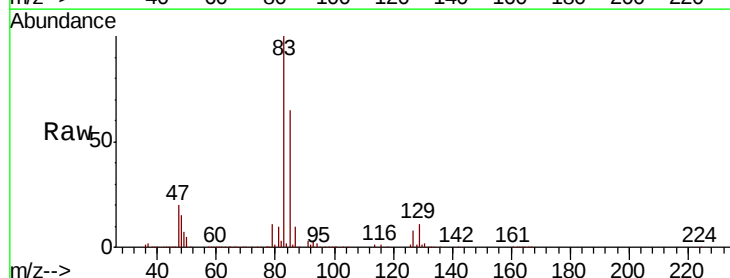
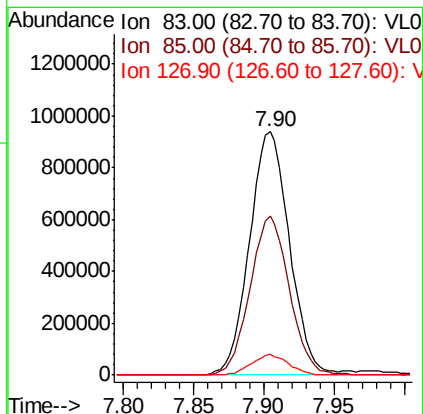
RT: 7.90 min Scan# 1545

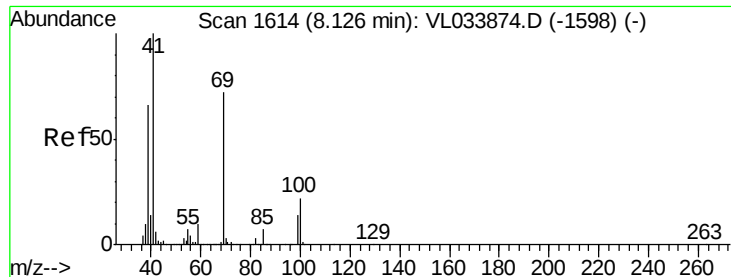
Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Tgt Ion:	83	Resp:	1861601
Ion Ratio		Lower	Upper
83	100		
85	65.4	50.2	75.2
127	8.3	6.5	9.7





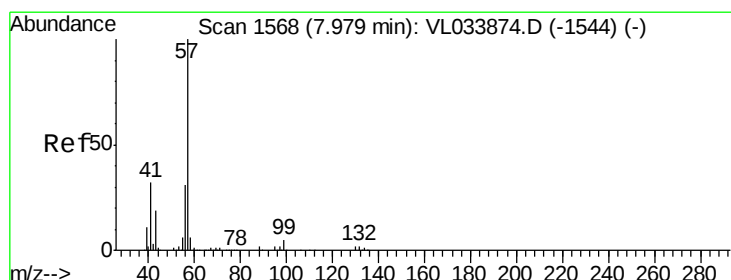
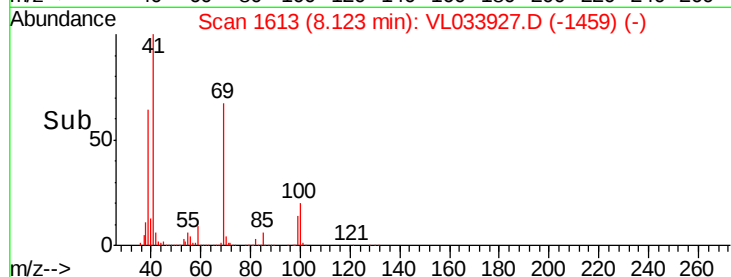
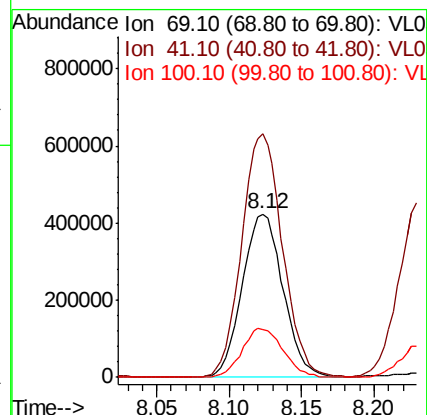
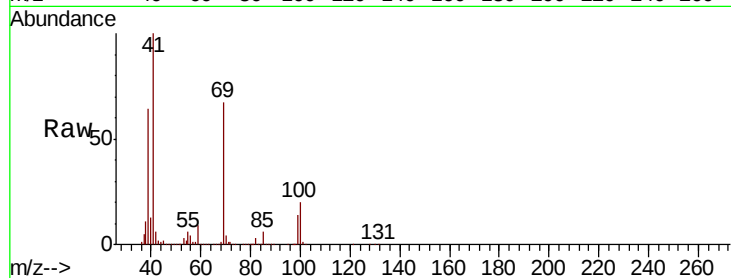
#43
Methvl Methacrilate
Concen: 12.129 ppbv
RT: 8.12 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.6	114.3	171.5
100	30.4	24.8	37.2

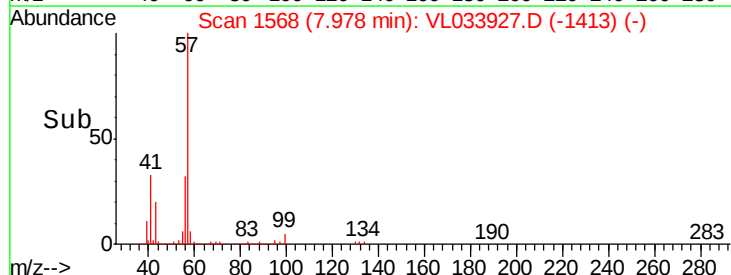
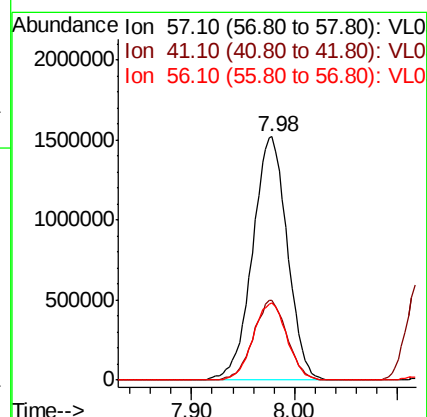
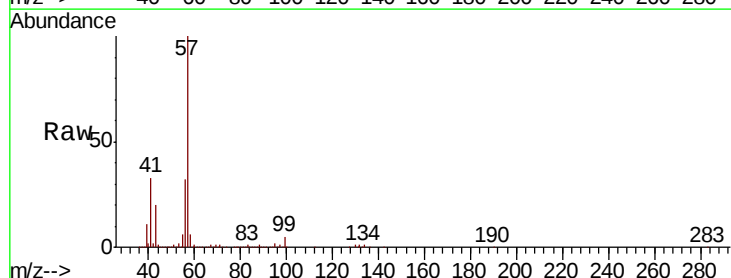
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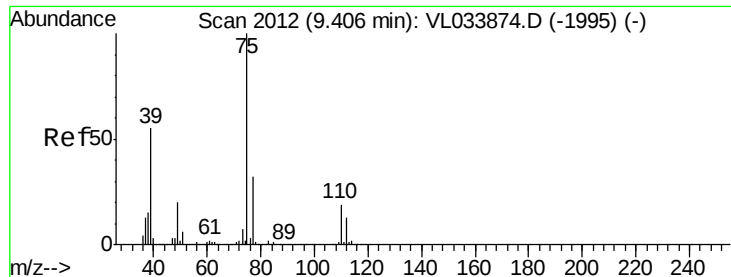
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.995 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.8	26.1	39.1
56	31.1	24.6	36.8





#45

t-1,3-Dichloropropene

Concen: 12.246 ppbv

RT: 9.40 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 75 Resp: 1092543

Ion Ratio Lower Upper

75 100

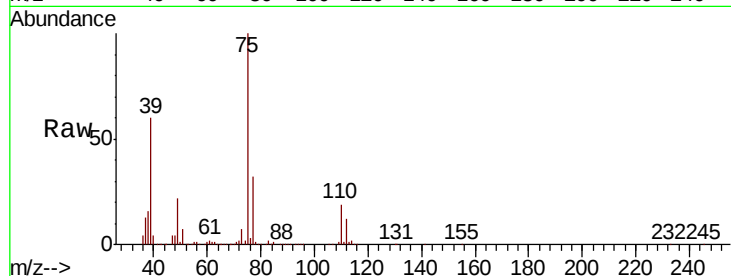
77 32.4 25.4 38.2

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.40

600000

500000

400000

300000

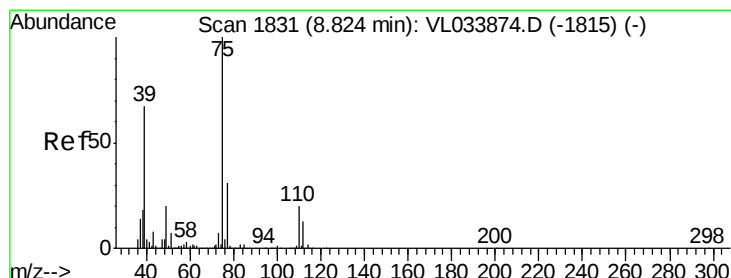
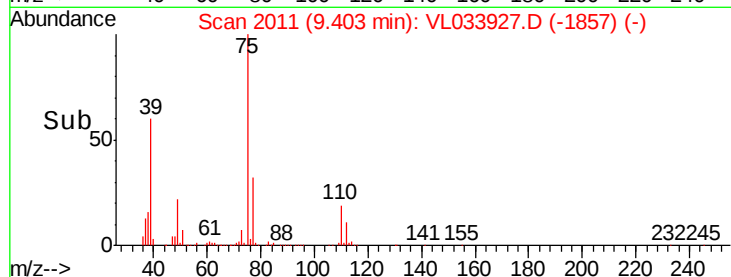
200000

100000

0

Time-->

9.30 9.35 9.40 9.45 9.50



#46

cis-1,3-Dichloropropene

Concen: 12.338 ppbv

RT: 8.82 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

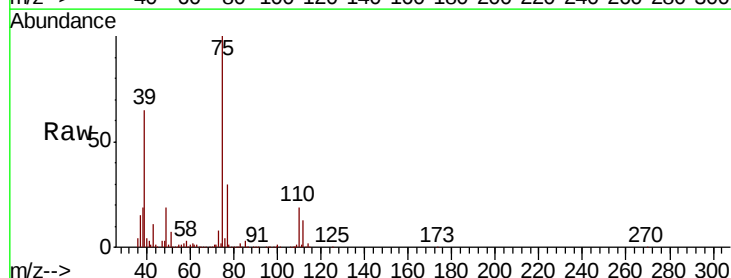
Tgt Ion: 75 Resp: 1261092

Ion Ratio Lower Upper

75 100

39 65.0 53.8 80.8

77 30.1 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.82

800000

600000

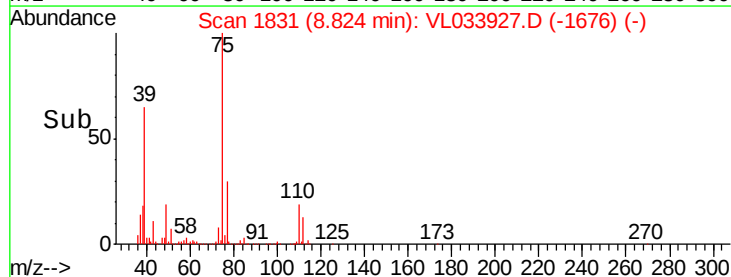
400000

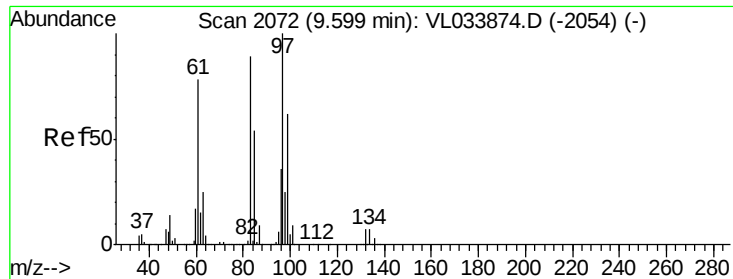
200000

0

Time-->

8.75 8.80 8.85 8.90





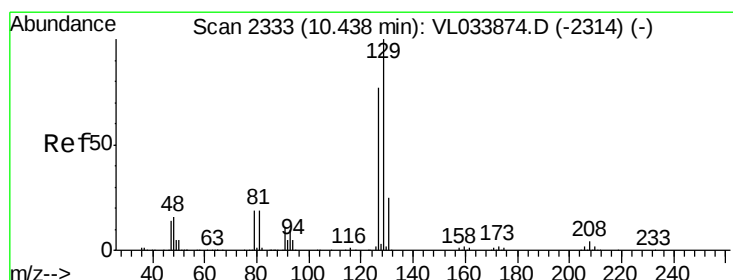
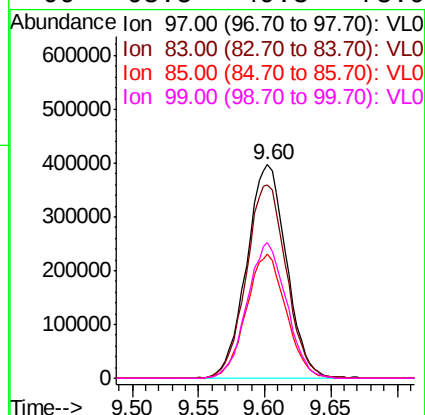
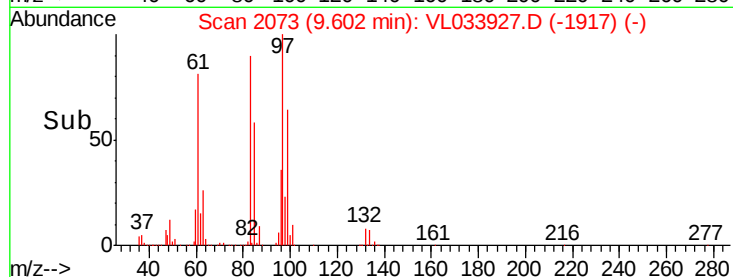
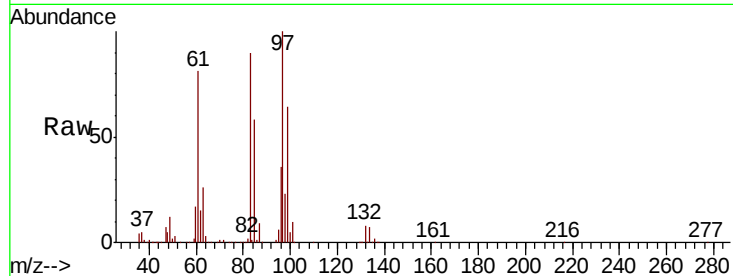
#47
 1,1,2-Trichloroethane
 Concen: 9.934 ppbv
 RT: 9.60 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.4	70.9	106.3	
85	58.4	43.0	64.6	
99	63.5	49.3	73.9	

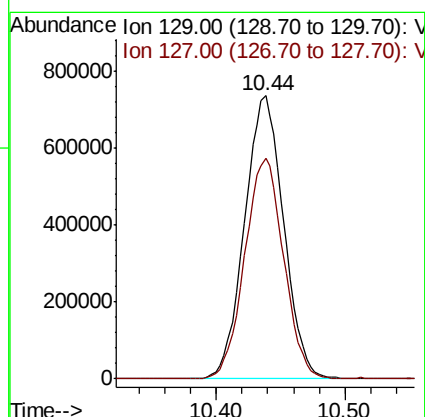
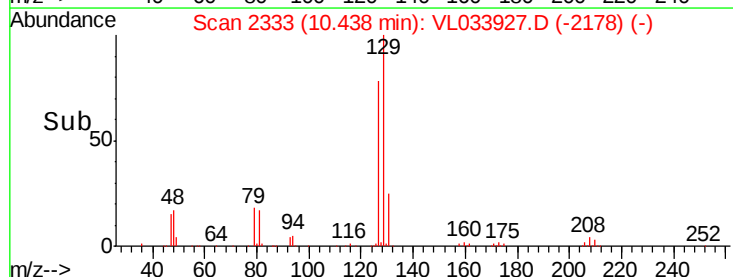
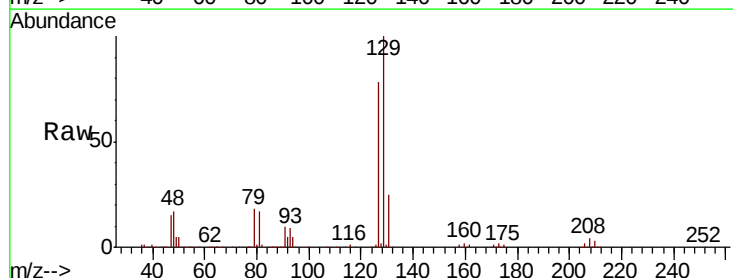
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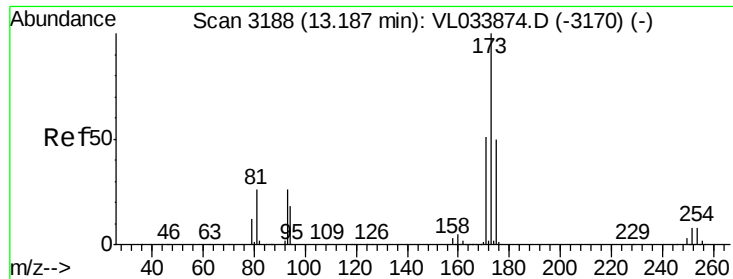
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#48
 Dibromochloromethane
 Concen: 10.337 ppbv
 RT: 10.44 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.7	38.6	115.7	





#49

Bromoform

Concen: 10.627 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion:173 Resp: 1410207

Ion Ratio Lower Upper

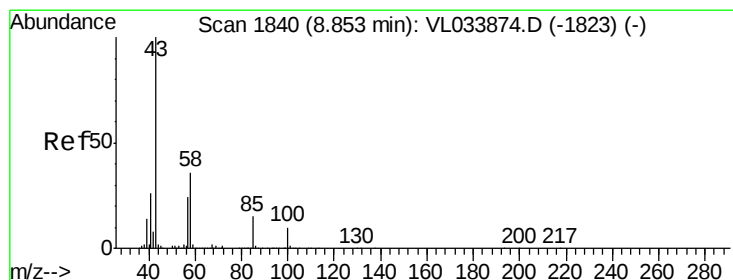
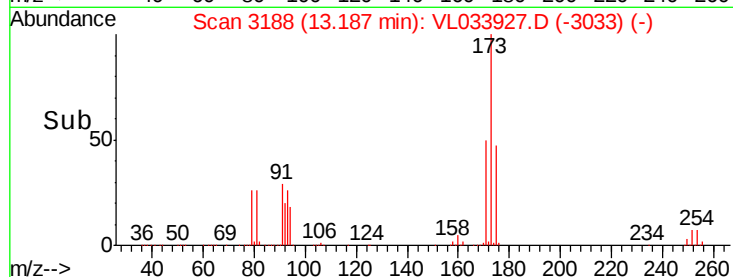
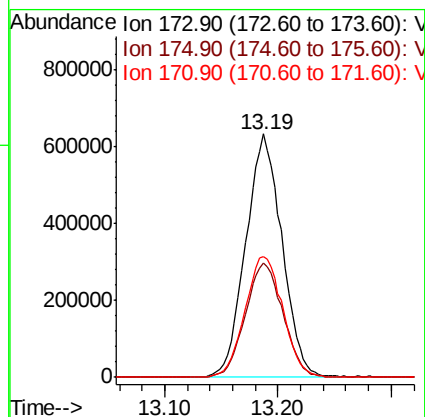
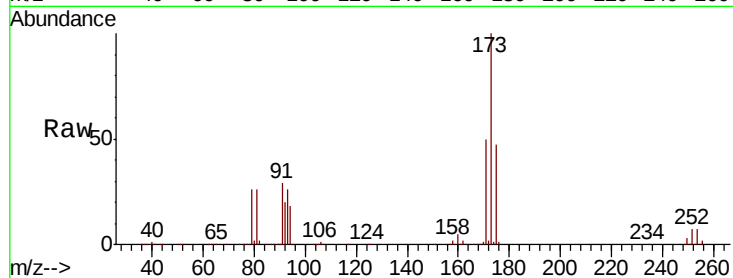
173 100

175 48.8 39.6 59.4

171 51.9 41.8 62.8

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#50

4-Methyl-2-Pentanone

Concen: 11.254 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL033927.D

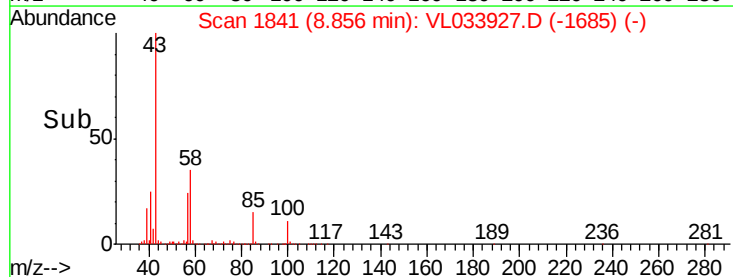
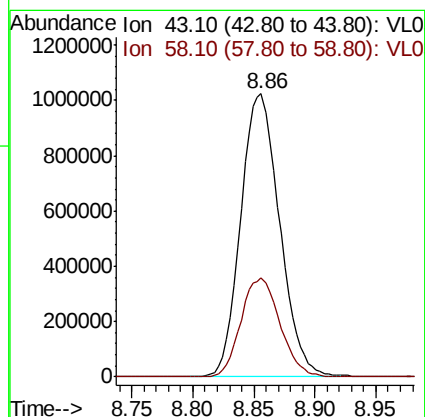
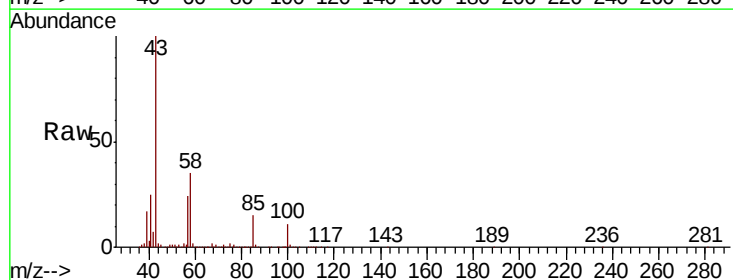
Acq: 14 Jun 2019 12:57

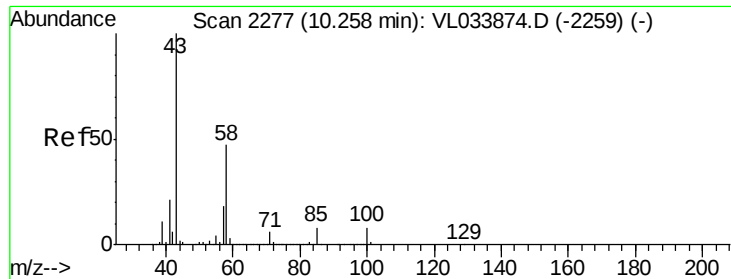
Tgt Ion: 43 Resp: 2253074

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8





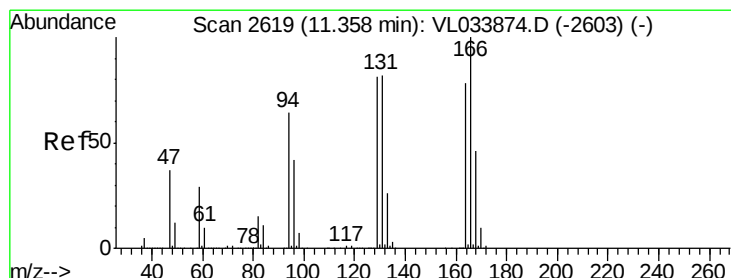
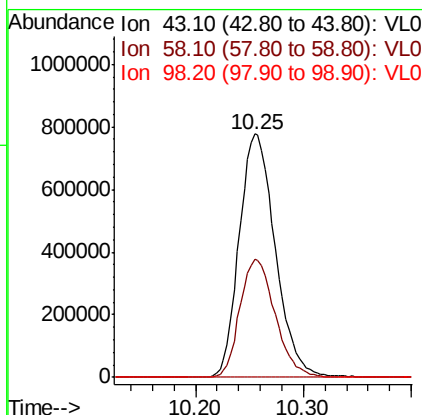
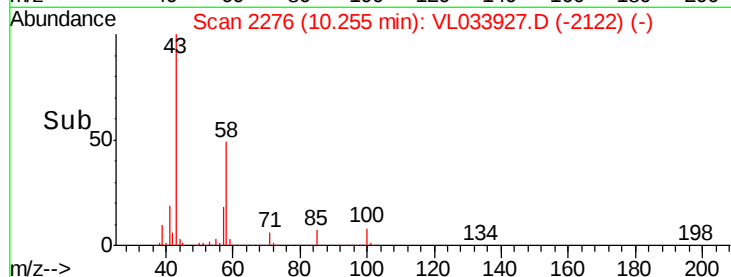
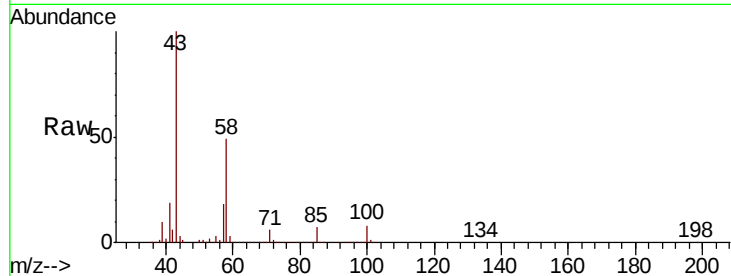
#51
2-Hexanone
Concen: 11.563 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampled :
VL0613ABS01

Tot Ion: 43 Resp: 1807798
Ion Ratio Lower Upper
43 100
58 47.7 38.2 57.4
98 0.4 0.2 0.2#

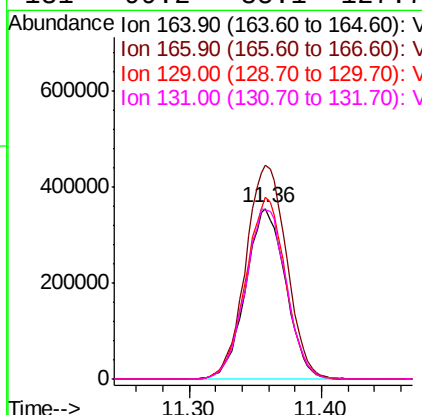
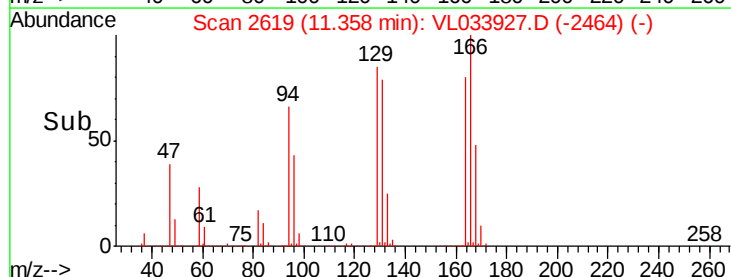
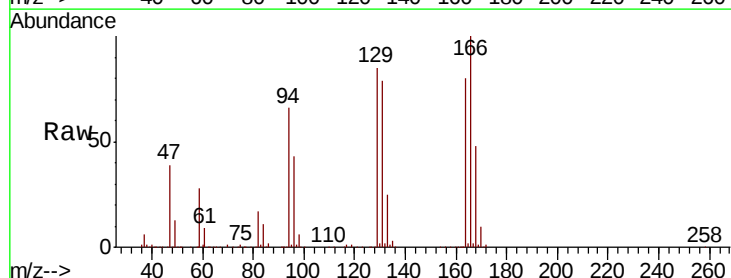
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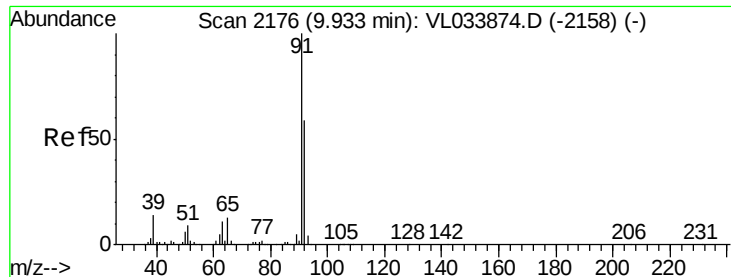
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#52
Tetrachloroethene
Concen: 11.605 ppbv
RT: 11.36 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion:164 Resp: 742368
Ion Ratio Lower Upper
164 100
166 125.0 103.1 154.7
129 106.4 83.9 125.9
131 99.2 85.1 127.7





#53

Toluene

Concen: 11.515 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 91 Resp: 2316554

Ion Ratio Lower Upper

91 100

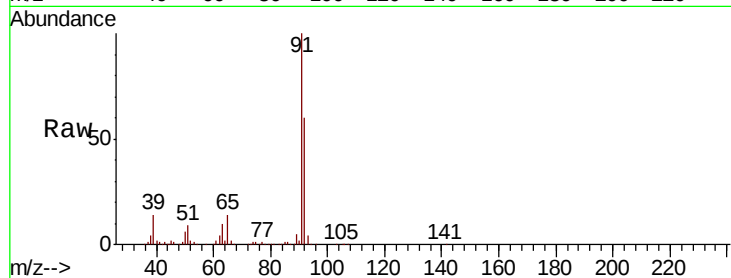
92 59.8 47.0 70.6

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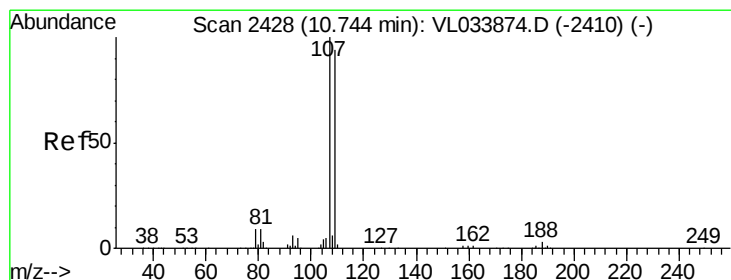
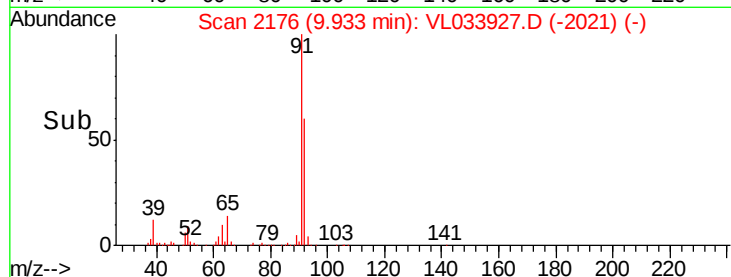
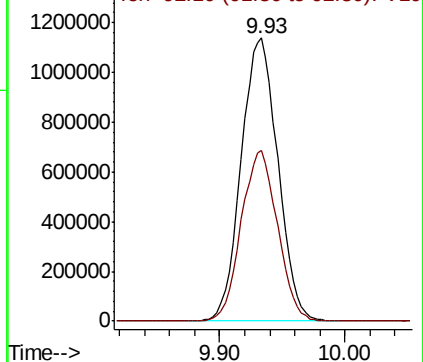
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.433 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL033927.D

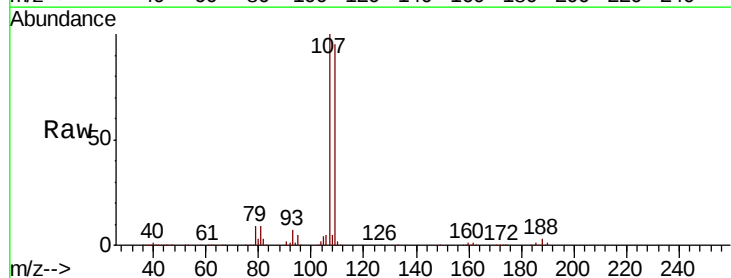
Acq: 14 Jun 2019 12:57

Tgt Ion:107 Resp: 1315540

Ion Ratio Lower Upper

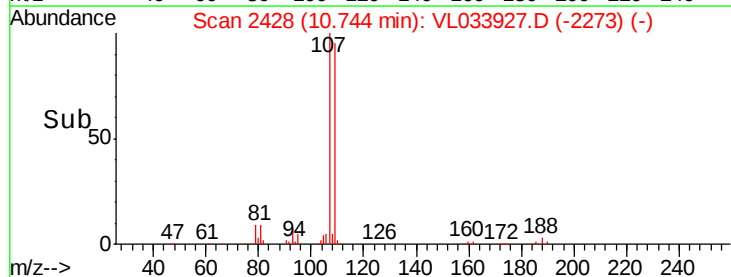
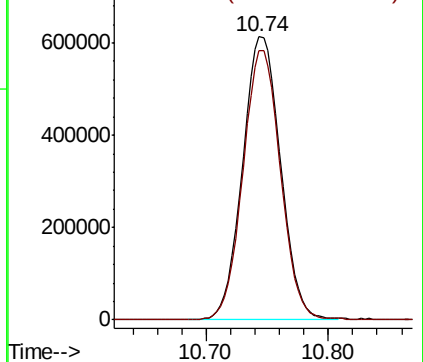
107 100

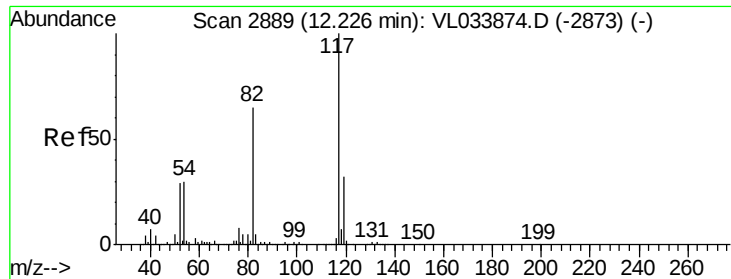
109 95.2 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





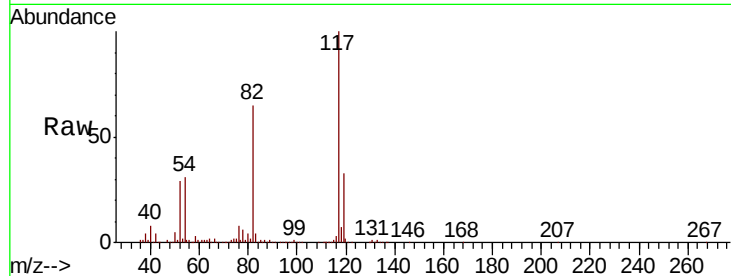
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampled :
VL0613ABS01

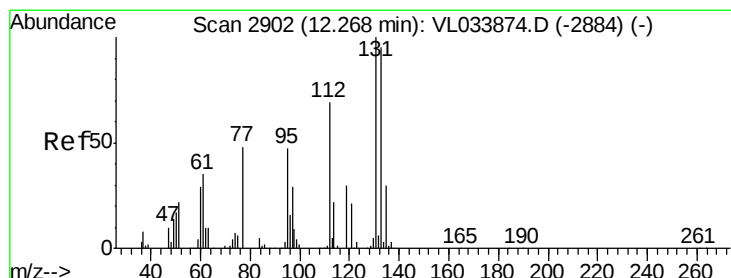
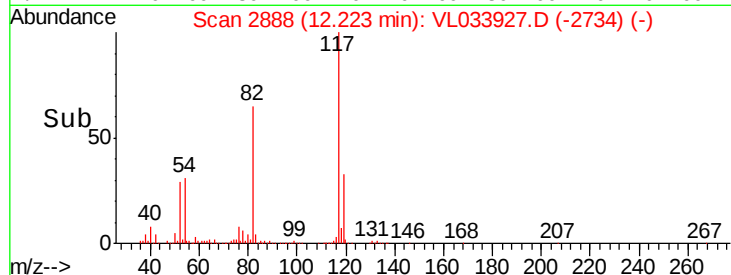
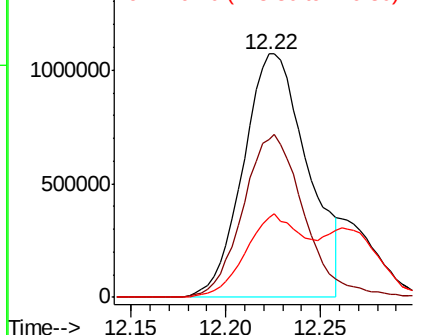
Tot Ion:117 Resp: 2525455
Ion Ratio Lower Upper
117 100
82 64.0 50.2 75.2
119 30.2 24.8 37.2

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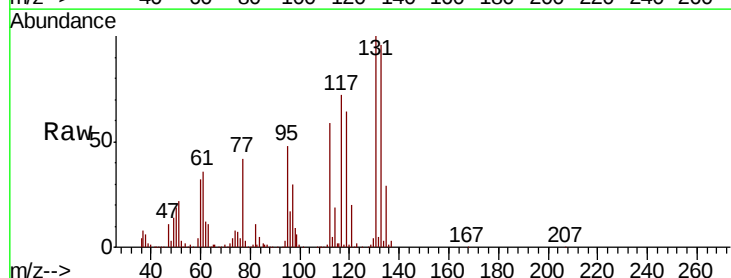


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

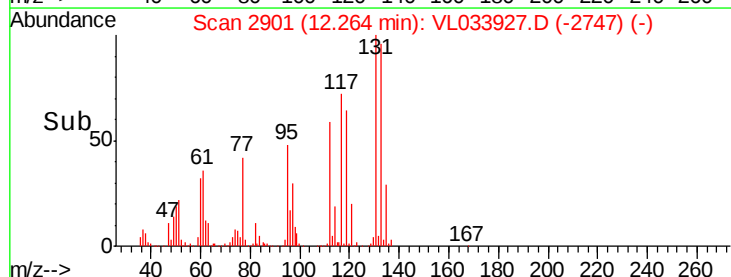
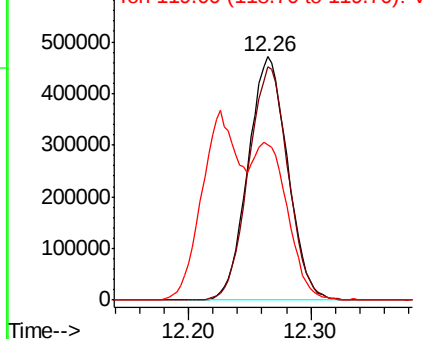


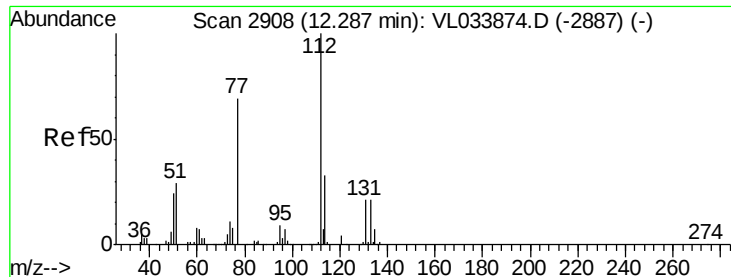
#56
1,1,1,2-Tetrachloroethane
Concen: 9.570 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion:131 Resp: 1055825
Ion Ratio Lower Upper
131 100
133 96.7 76.5 114.7
119 57.9 42.6 64.0



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.758 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion:112 Resp: 1845732

Ion Ratio Lower Upper

112 100

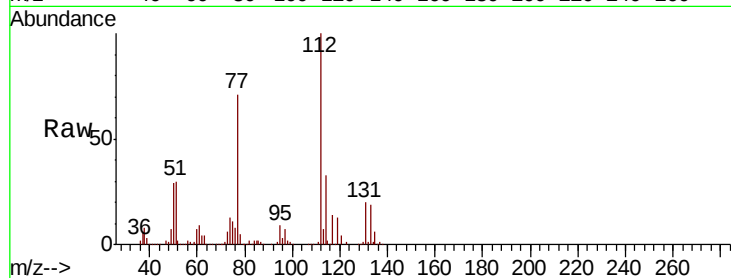
77 70.5 55.8 83.6

114 32.6 29.8 36.4

Manual Integrations
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MMDadoda

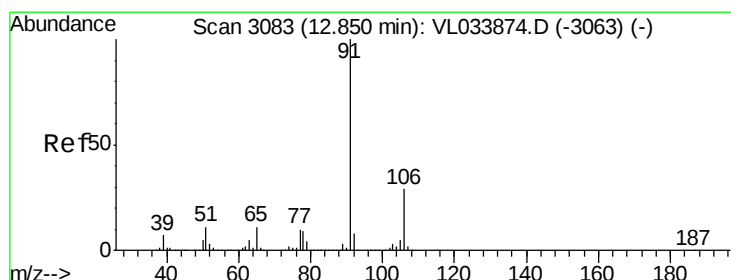
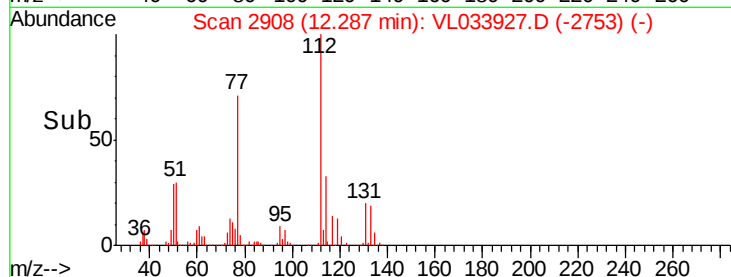
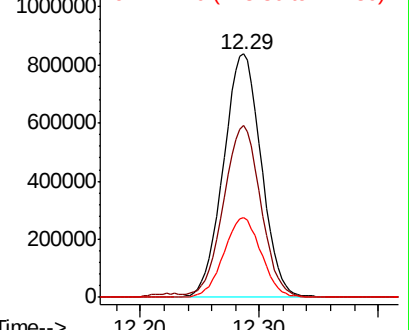
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.234 ppbv

RT: 12.85 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL033927.D

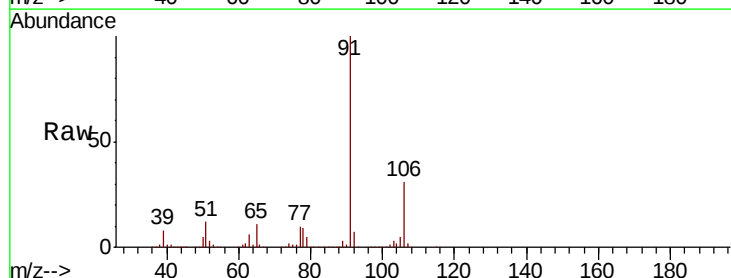
Acq: 14 Jun 2019 12:57

Tgt Ion: 91 Resp: 3198579

Ion Ratio Lower Upper

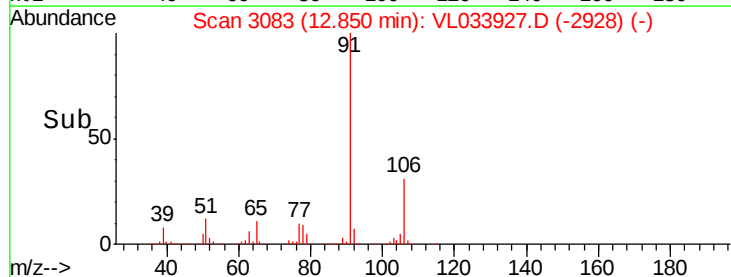
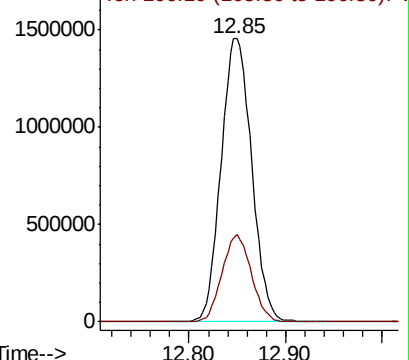
91 100

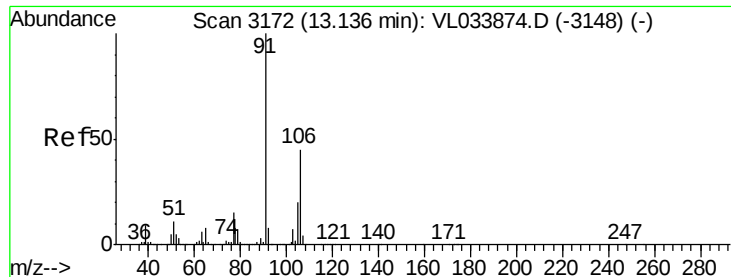
106 31.0 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





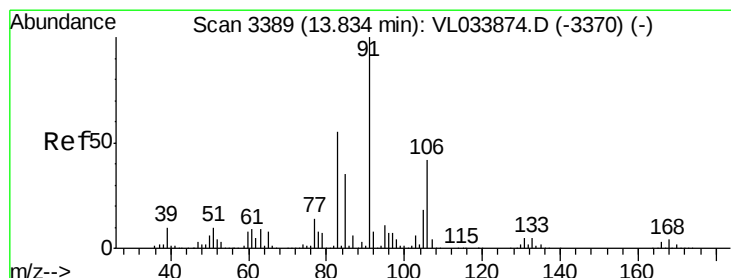
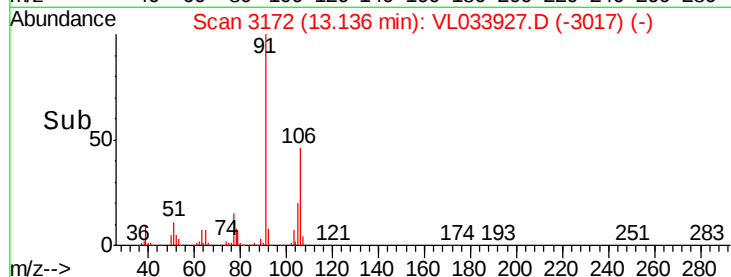
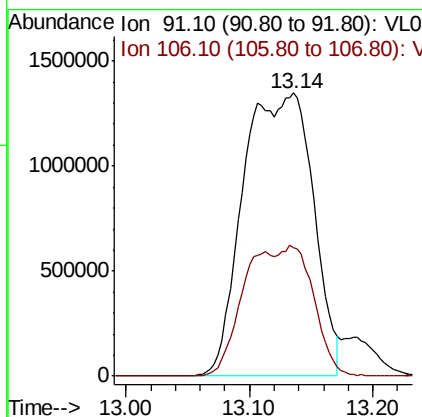
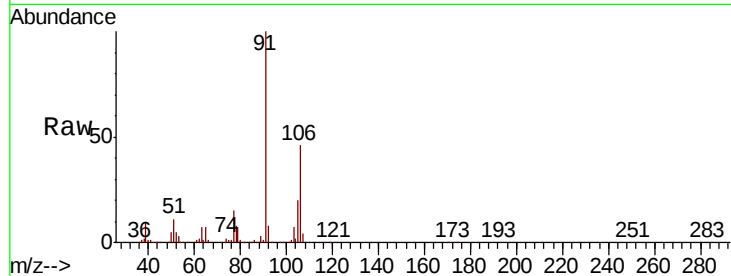
#59
m/p-Xylene
Concen: 20.440 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion: 91 Resp: 5292301
Ion Ratio Lower Upper
91 100
106 45.5 35.8 53.8

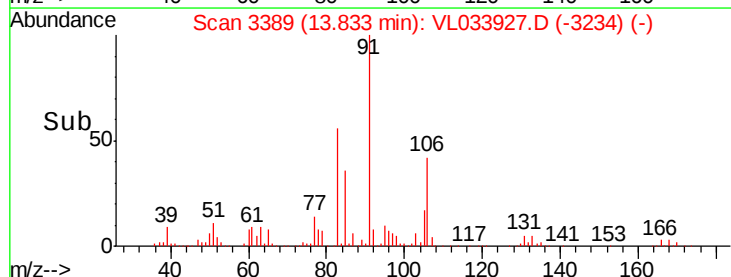
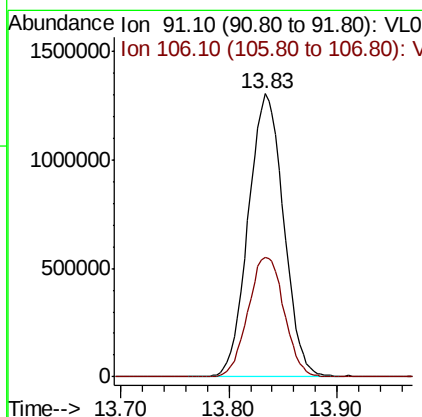
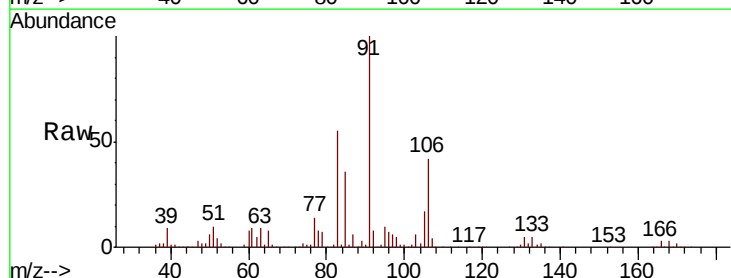
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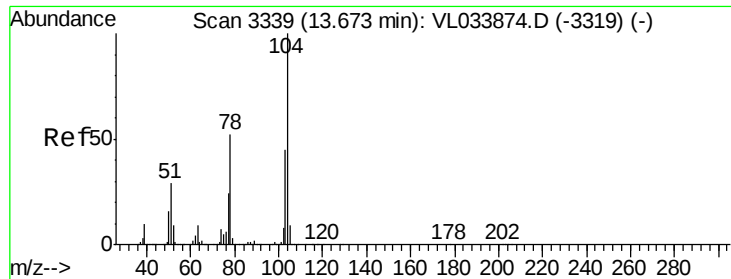
MMDadoda
6/17/2019 12:37:46 AM



#60
o-Xylene
Concen: 11.128 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion: 91 Resp: 2975021
Ion Ratio Lower Upper
91 100
106 43.2 21.7 65.1





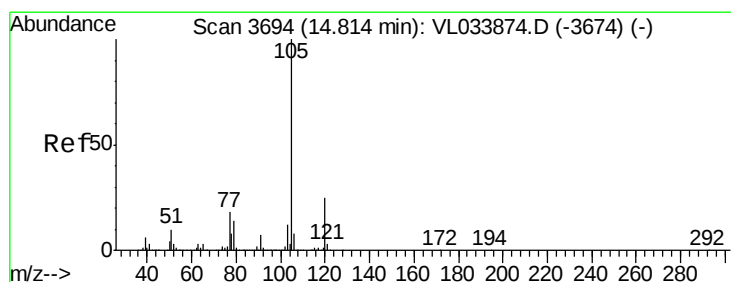
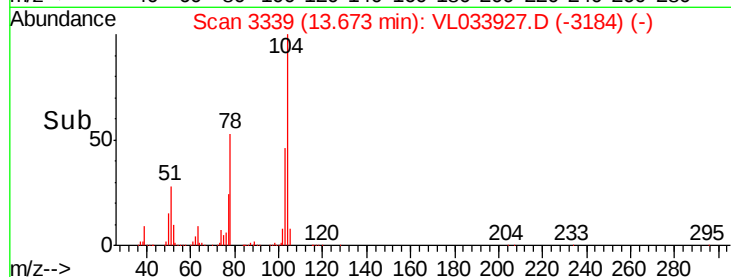
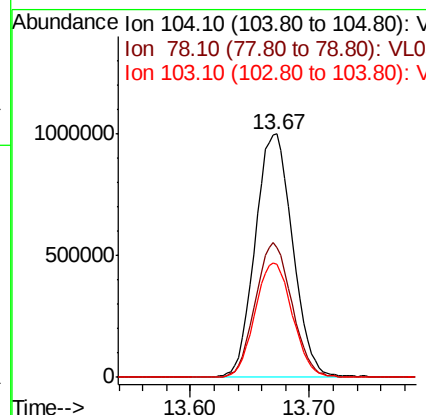
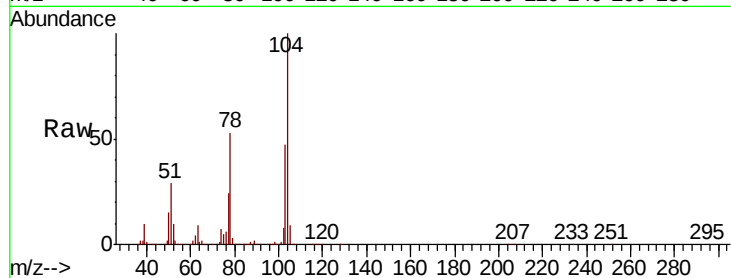
#61
Stvrene
Concen: 12.578 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampled :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	47.2	37.6	56.4

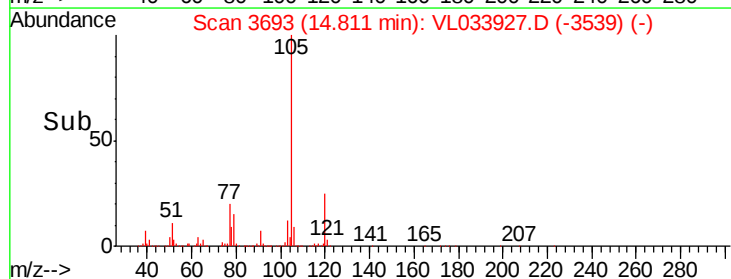
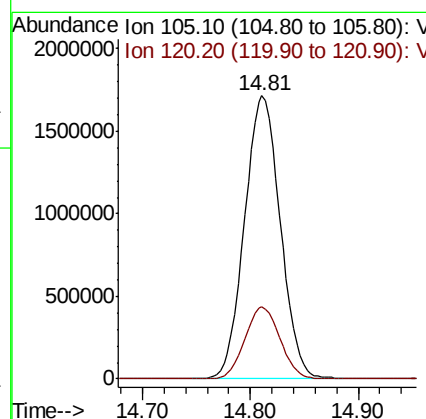
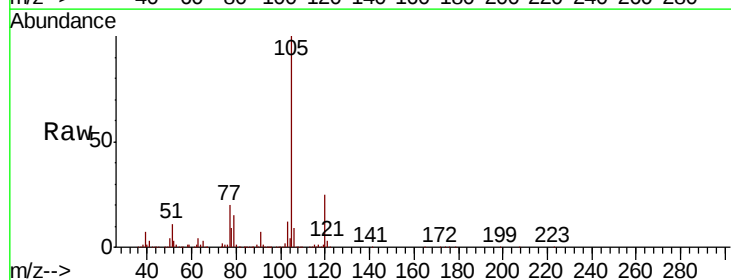
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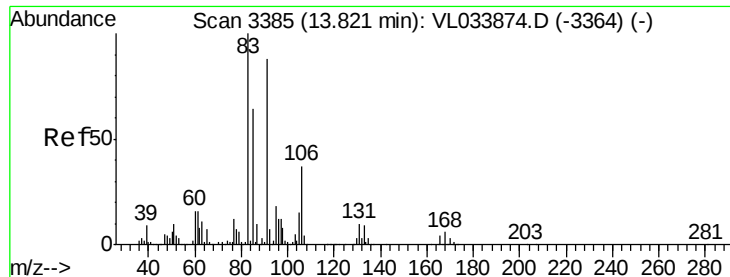
MMDadoda
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#62
Isopropylbenzene
Concen: 10.971 ppbv
RT: 14.81 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 10.484 ppbv

RT: 13.82 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion: 83 Resp: 2109745

Ion Ratio Lower Upper

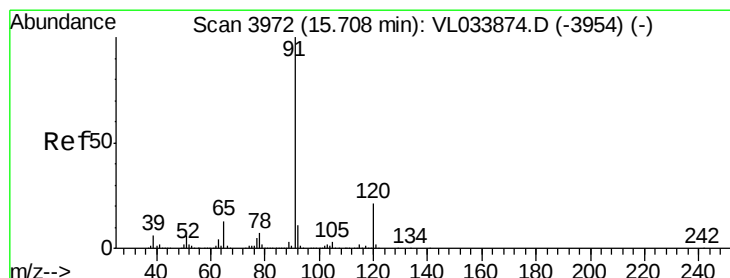
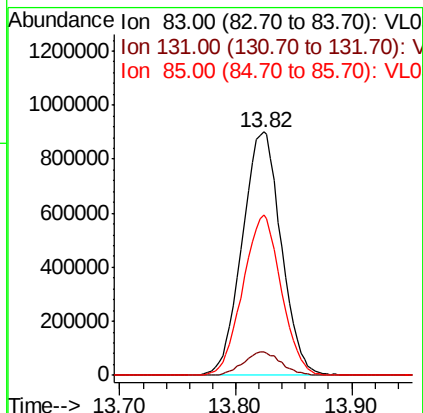
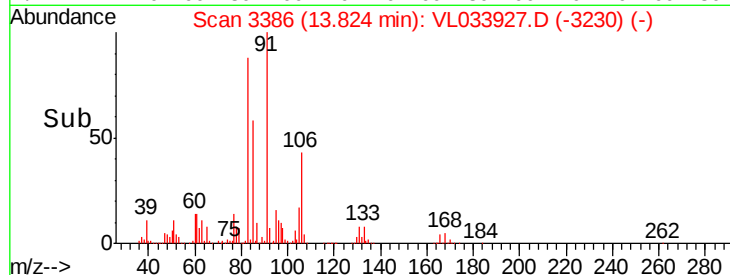
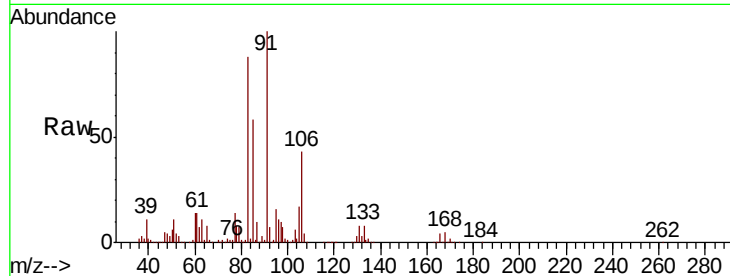
83 100

131 9.4 4.8 14.4

85 64.9 32.1 96.3

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#64

n-propylbenzene

Concen: 11.141 ppbv

RT: 15.71 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VL033927.D

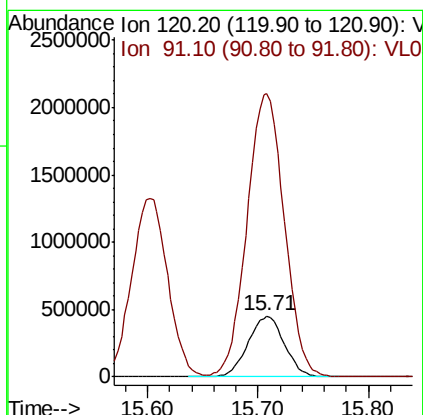
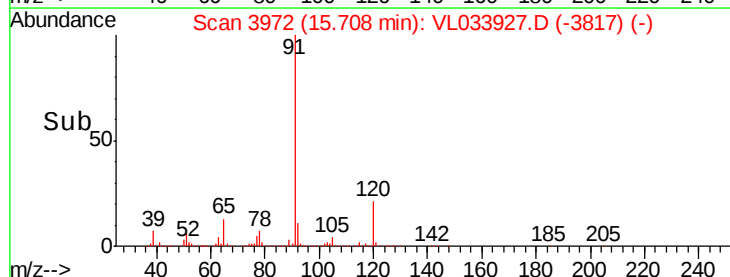
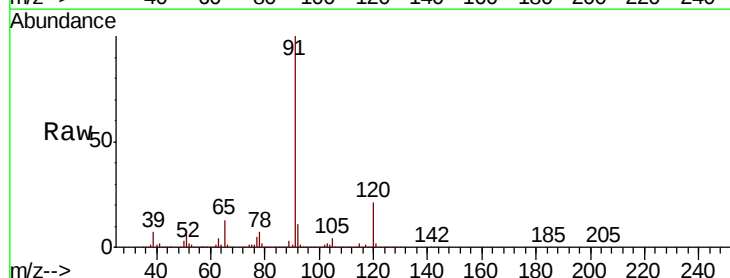
Acq: 14 Jun 2019 12:57

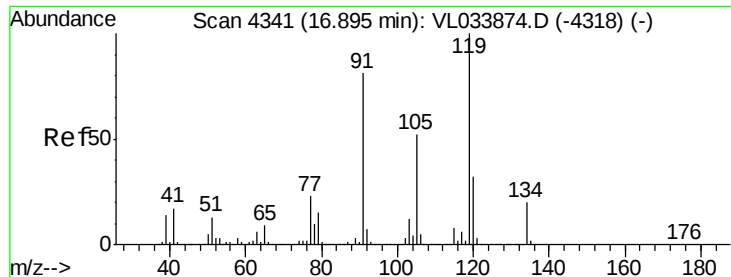
Tgt Ion: 120 Resp: 1027980

Ion Ratio Lower Upper

120 100

91 480.1 387.0 580.6





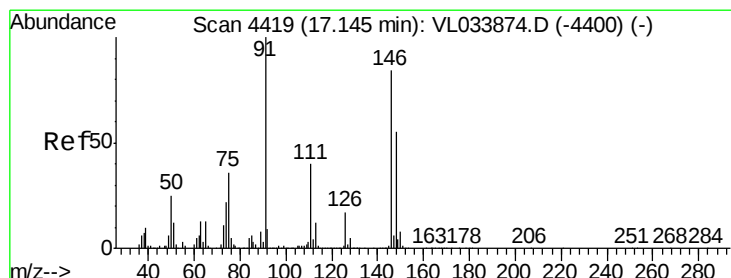
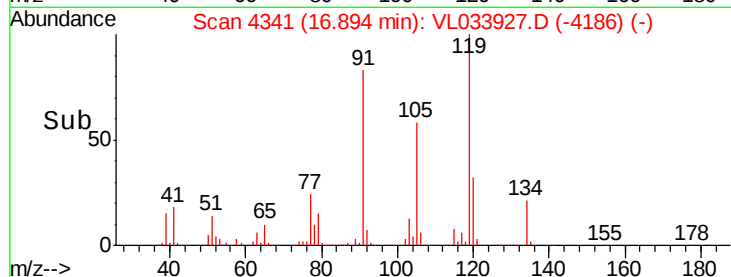
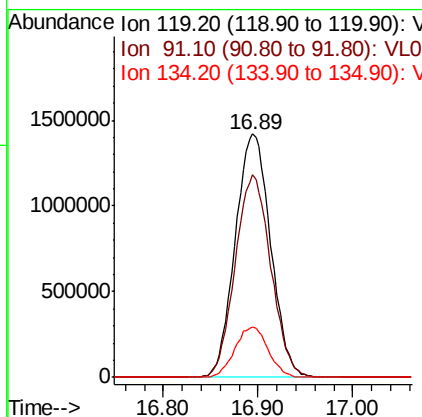
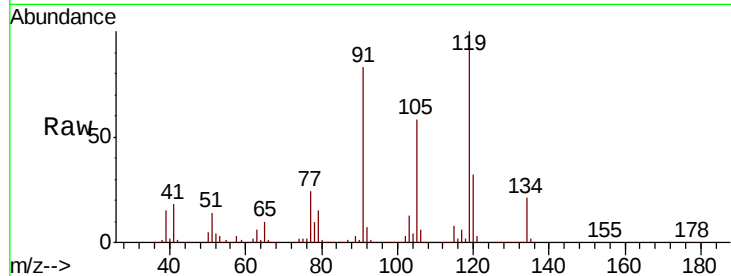
#65
 tert-Butylbenzene
 Concen: 11.081 ppbv
 RT: 16.89 min Scan# 4341
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion:119 Resp: 3694271
 Ion Ratio Lower Upper
 119 100
 91 83.7 66.6 100.0
 134 19.6 15.5 23.3

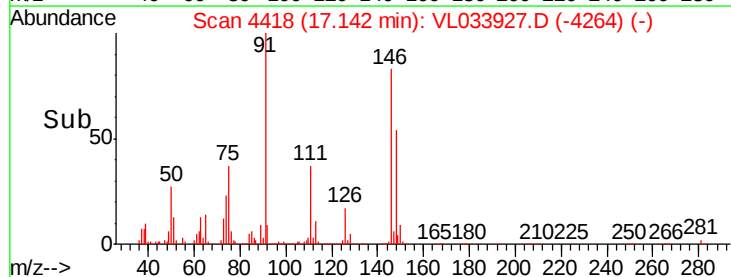
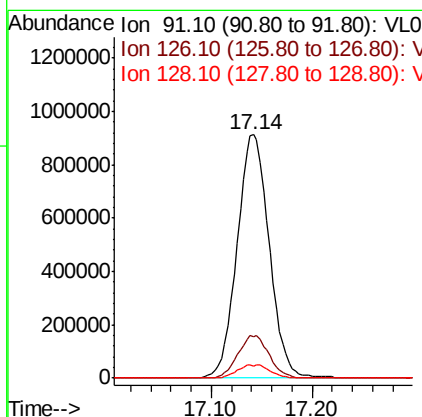
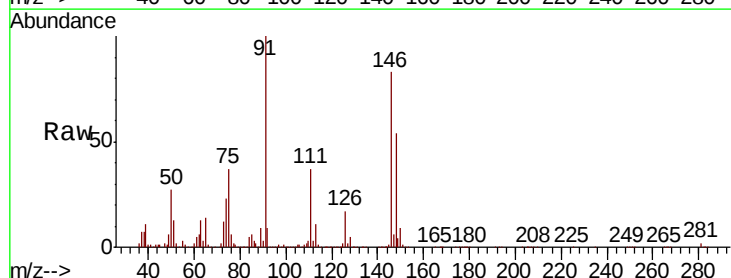
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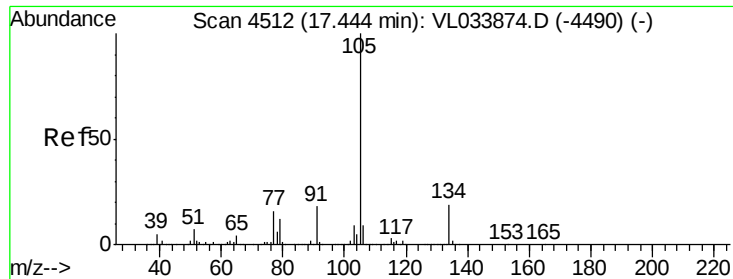
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#66
 Benzyl Chloride
 Concen: 11.866 ppbv
 RT: 17.14 min Scan# 4418
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion: 91 Resp: 2004745
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.8 20.6
 128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 11.027 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion:105 Resp: 5157634

Ion Ratio Lower Upper

105 100

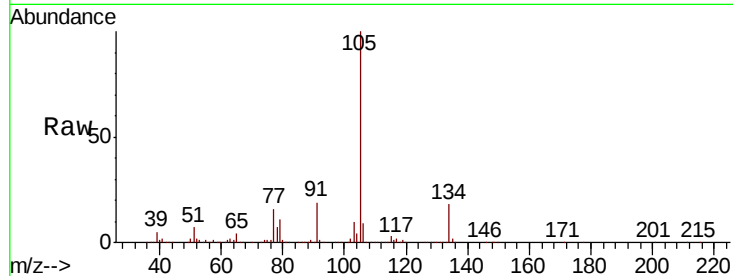
134 18.1 14.6 22.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

1000000

500000

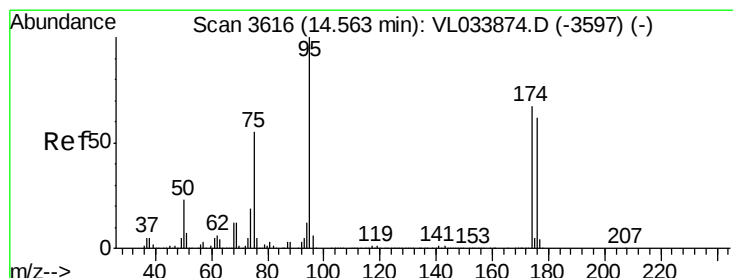
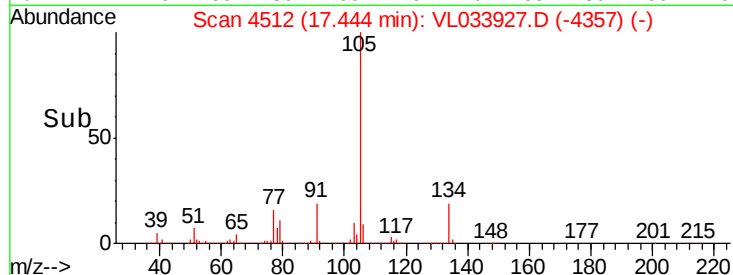
0

17.44

17.40

17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.165 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

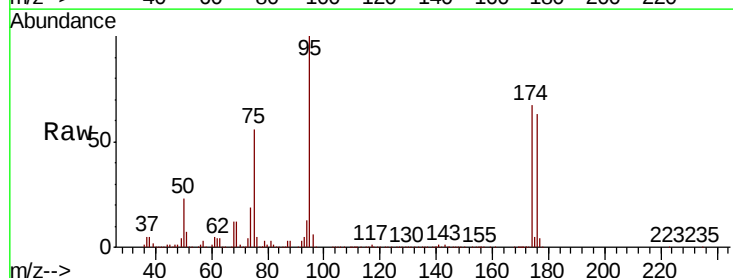
Tgt Ion: 95 Resp: 2108565

Ion Ratio Lower Upper

95 100

174 66.3 54.0 81.0

175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

600000

400000

200000

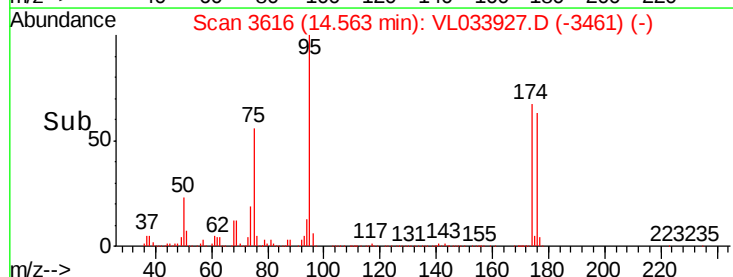
0

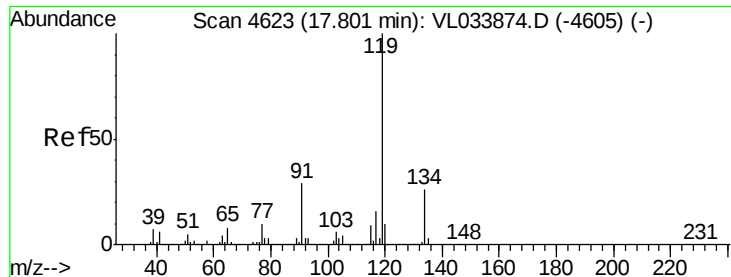
14.56

14.50

14.60

Time-->





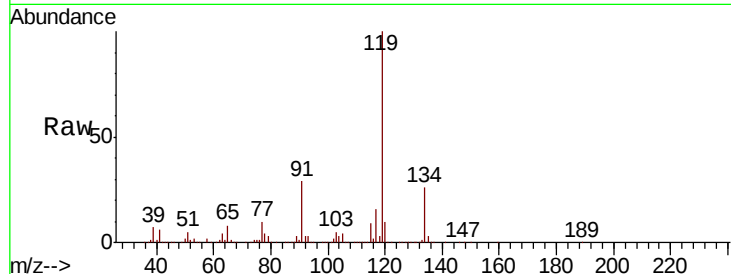
#69
 p-Isopropyltoluene
 Concen: 11.040 ppbv
 RT: 17.80 min Scan# 4624
 Delta R.T. 0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.7	23.8	35.6

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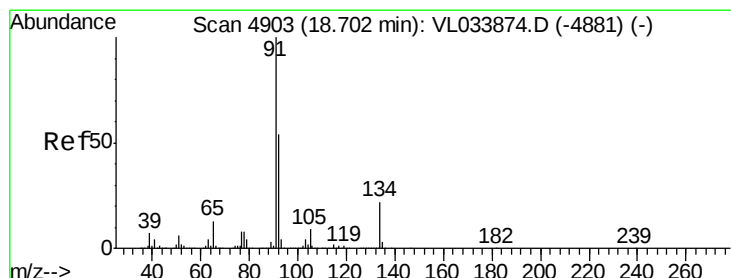
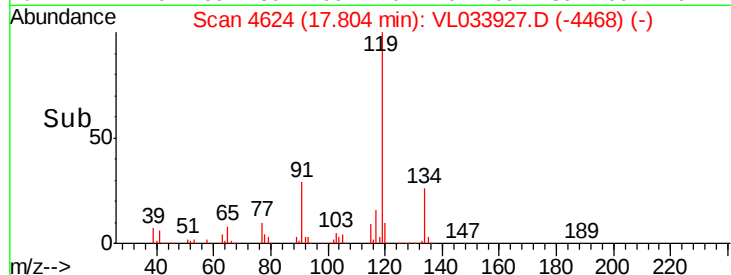
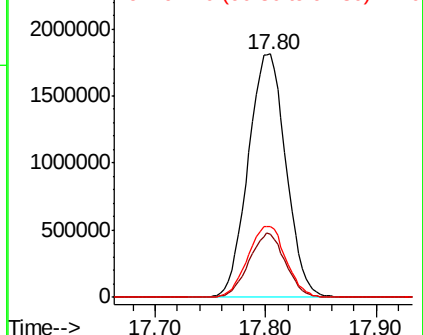


Abundance

Ion 119.10 (118.80 to 119.80): V

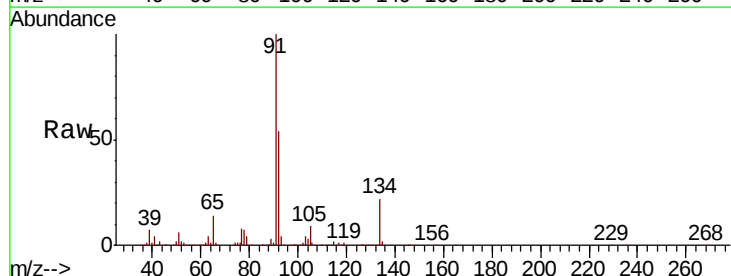
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.735 ppbv
 RT: 18.70 min Scan# 4902
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.0	17.8	26.6

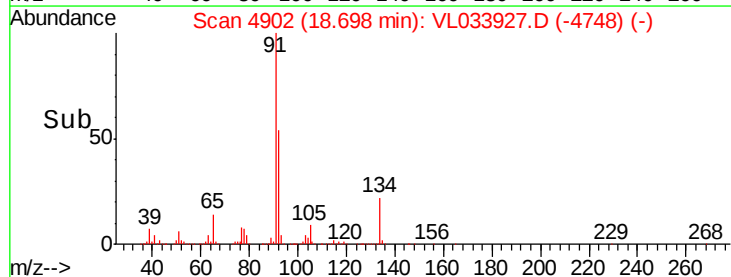
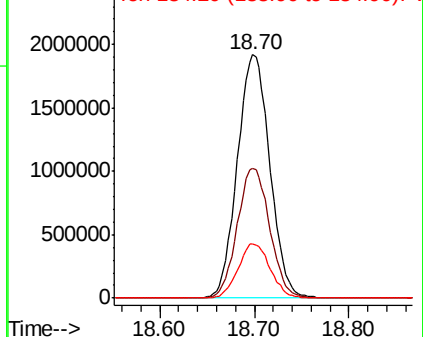


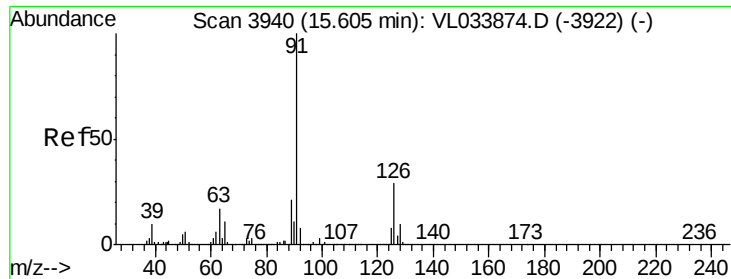
Abundance

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





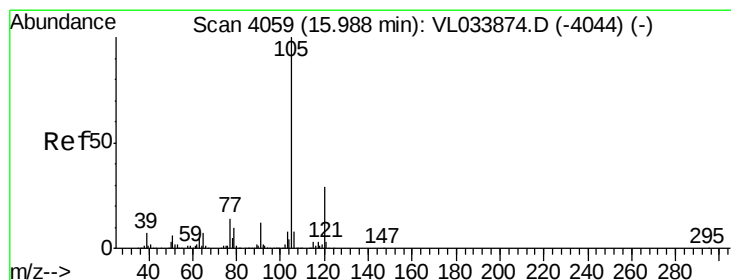
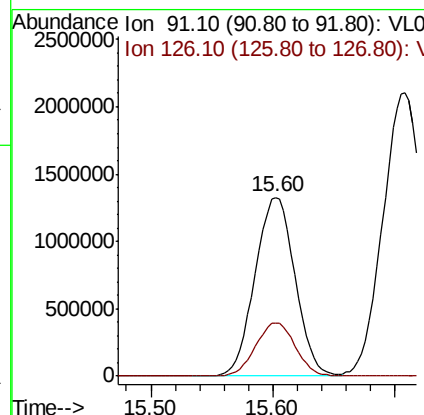
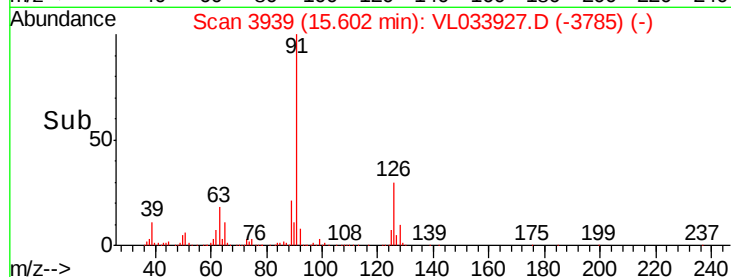
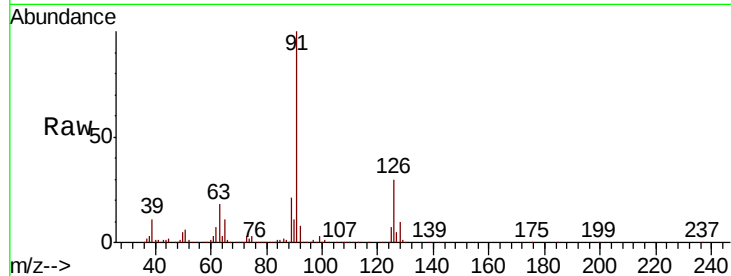
#71
 2-Chlorotoluene
 Concen: 11.382 ppbv
 RT: 15.60 min Scan# 3939
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion: 91 Resp: 3021415
 Ion Ratio Lower Upper
 91 100
 126 29.7 12.0 48.2

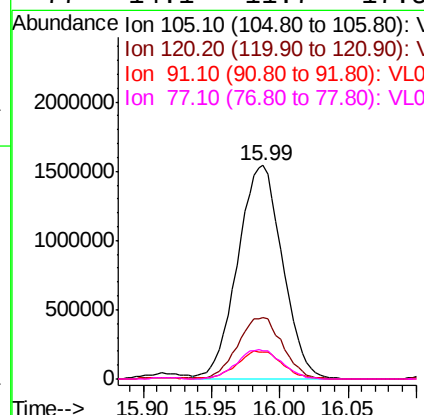
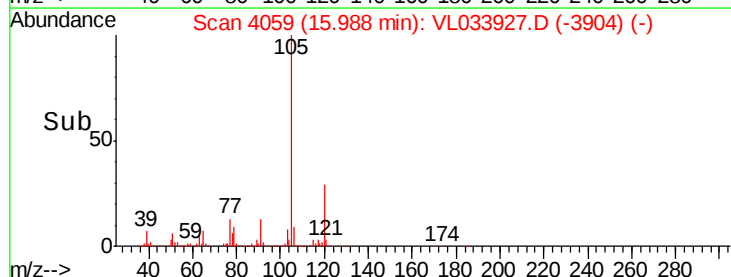
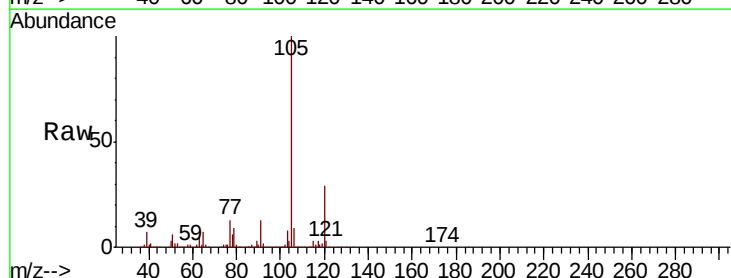
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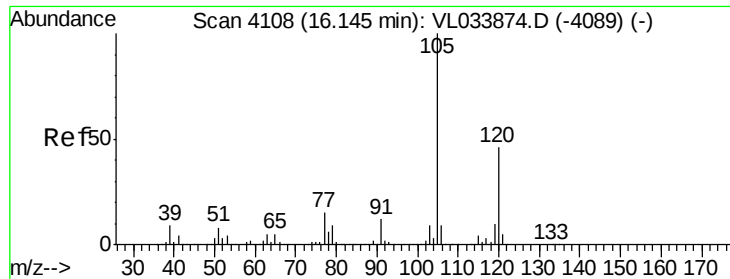
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 11.516 ppbv
 RT: 15.99 min Scan# 4059
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion:105 Resp: 3503424
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.5 35.3
 91 13.1 10.4 15.6
 77 14.1 11.7 17.5





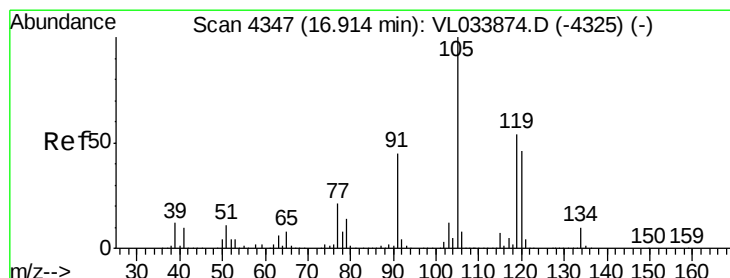
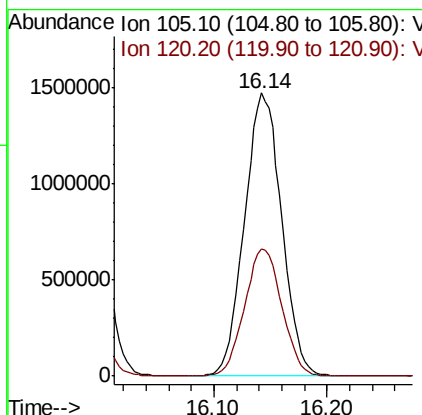
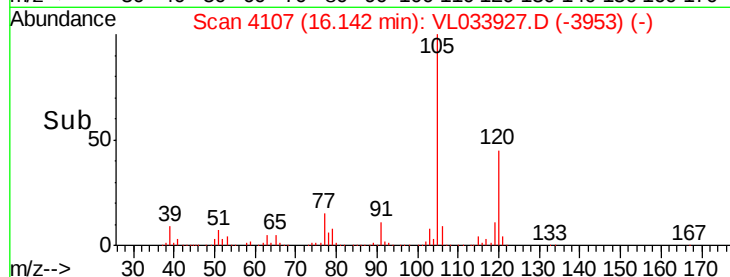
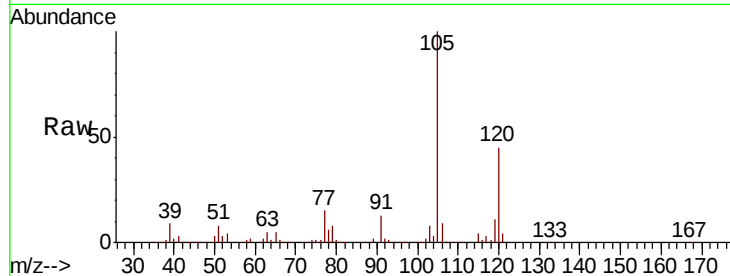
#73
 1,3,5-Trimethylbenzene
 Concen: 11.172 ppbv
 RT: 16.14 min Scan# 4107
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion:105 Resp: 3347968
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.1 55.7

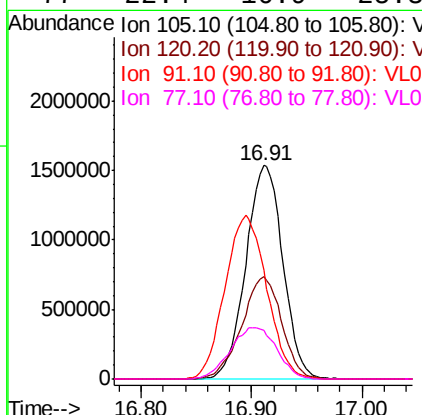
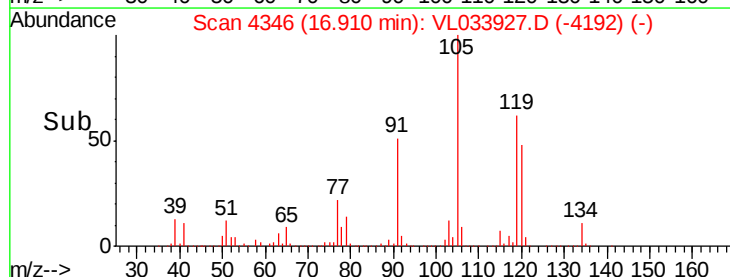
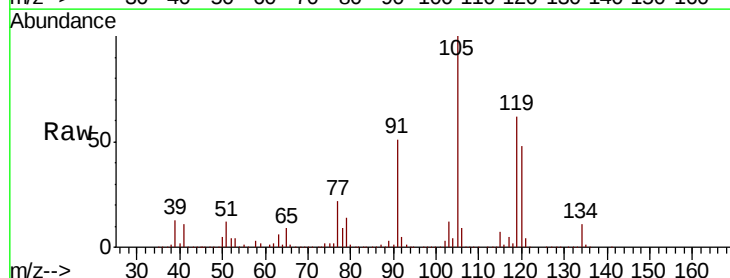
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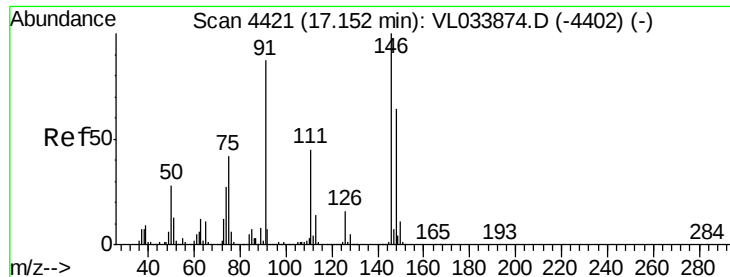
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.342 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion:105 Resp: 3572084
 Ion Ratio Lower Upper
 105 100
 120 47.7 36.7 55.1
 91 50.6 35.8 53.8
 77 22.4 16.9 25.3





#75

1,3-Dichlorobenzene

Concen: 9.518 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

Instrument :

MSVOA_L

ClientSampleId :

VL0613ABS01

Tot Ion:146 Resp: 2058688

Ion Ratio Lower Upper

146 100

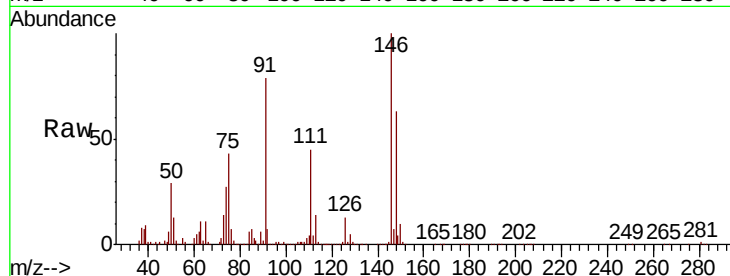
111 45.4 22.8 68.3

148 64.1 32.2 96.6

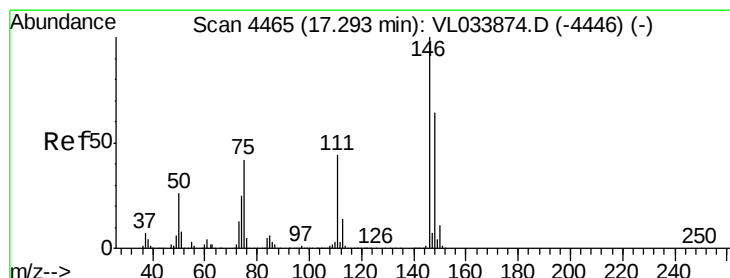
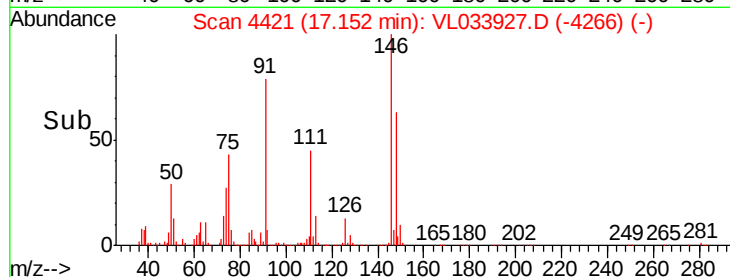
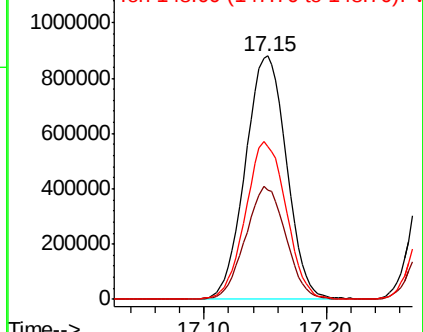
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.120 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. -0.00 min

Lab File: VL033927.D

Acq: 14 Jun 2019 12:57

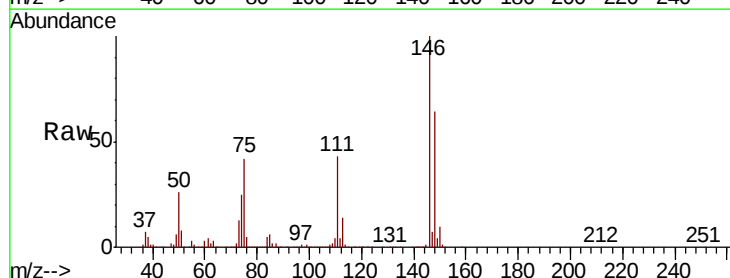
Tgt Ion:146 Resp: 2009934

Ion Ratio Lower Upper

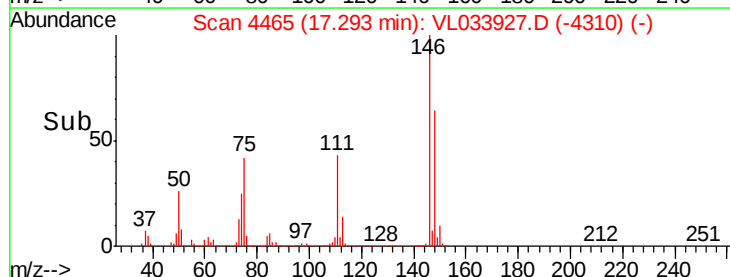
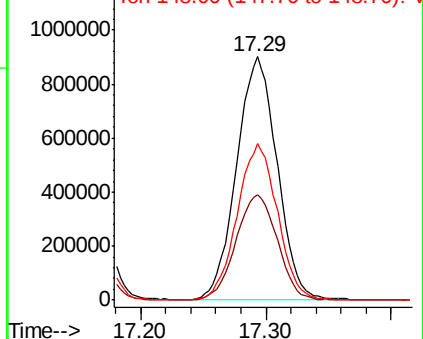
146 100

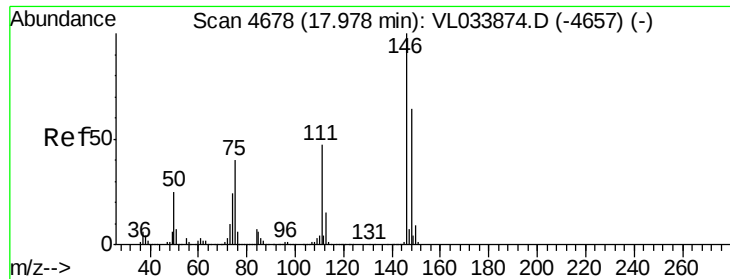
111 44.7 22.1 66.5

148 64.6 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





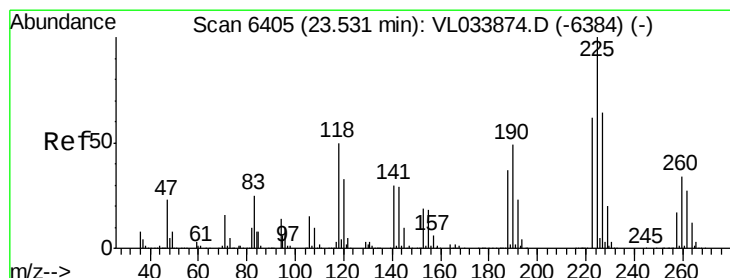
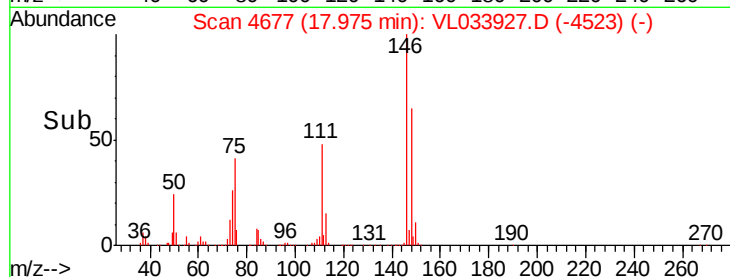
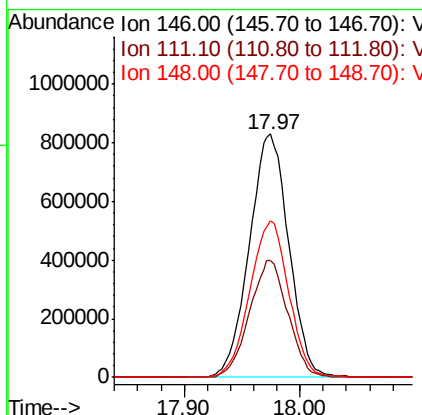
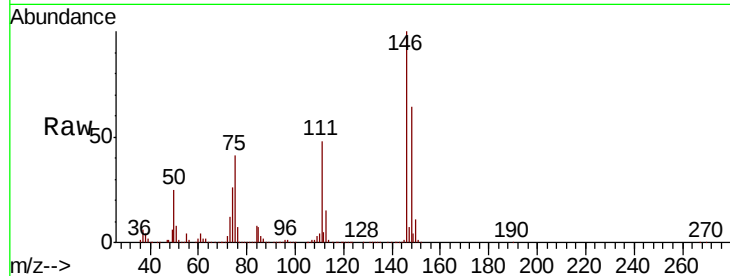
#77
 1,2-Dichlorobenzene
 Concen: 9.795 ppbv
 RT: 17.97 min Scan# 4677
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion:146 Resp: 1955124
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.4 70.0
 148 63.7 31.8 95.4

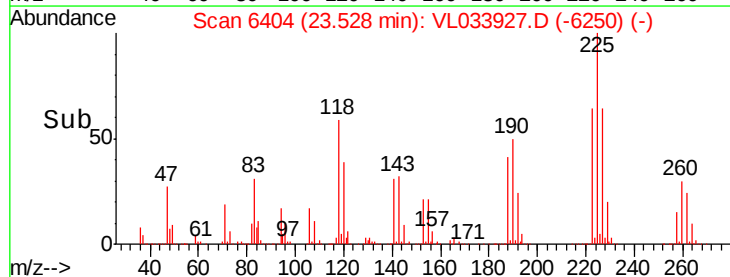
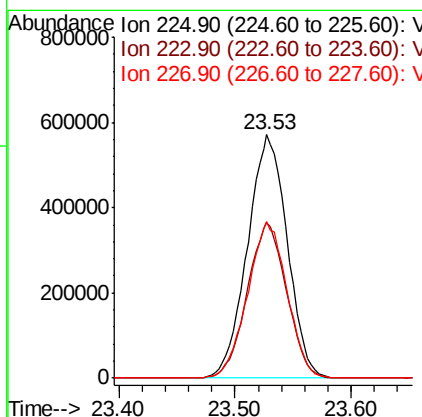
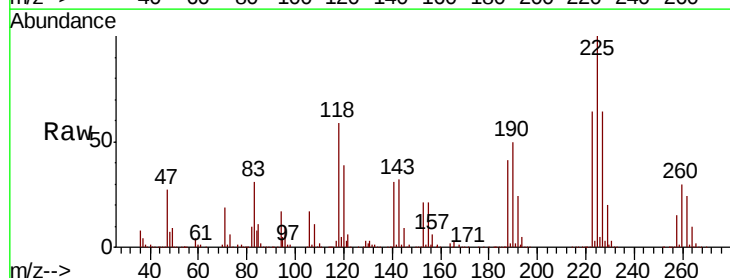
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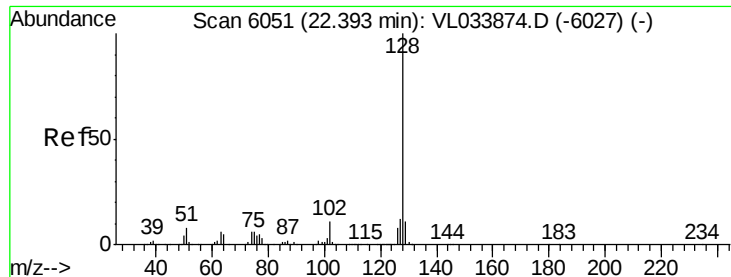
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.722 ppbv
 RT: 23.53 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Tgt Ion:225 Resp: 1359747
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.8 76.2
 227 63.8 51.8 77.6





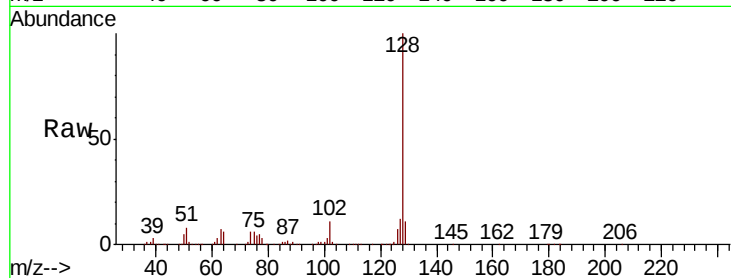
#79
Naphthalene
Concen: 9.489 ppbv
RT: 22.39 min Scan# 6050
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0613ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.7	14.5
129	10.8	8.6	12.8

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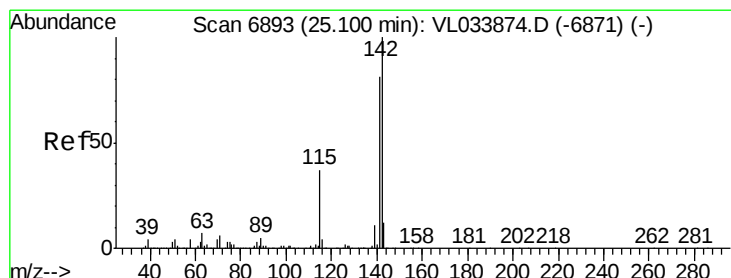
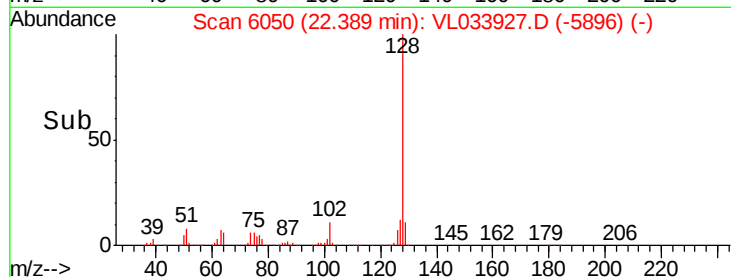
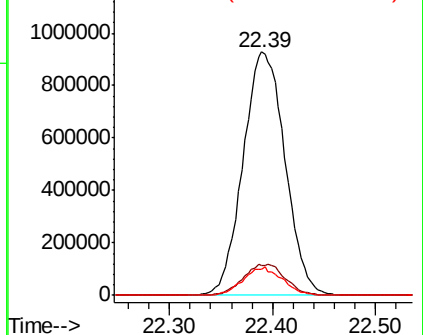


Abundance

Ion 128.10 (127.80 to 128.80): V

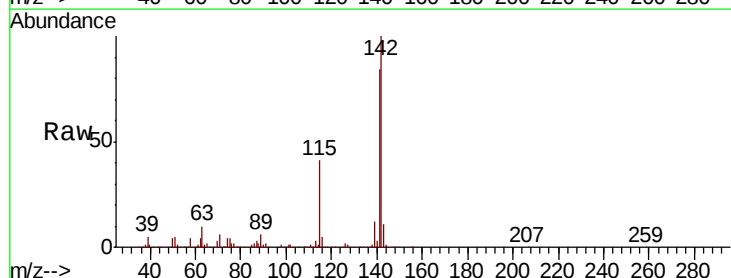
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 8.964 ppbv
RT: 25.10 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL033927.D
Acq: 14 Jun 2019 12:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.9	65.7	98.5
115	42.1	28.9	43.3

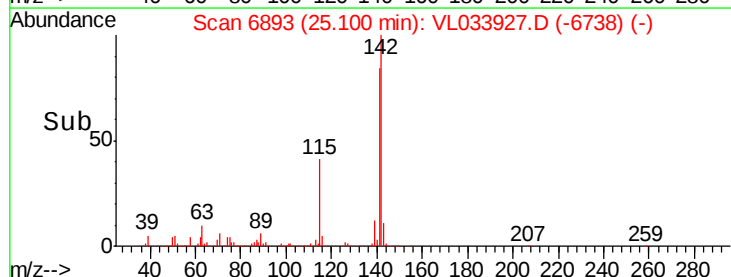
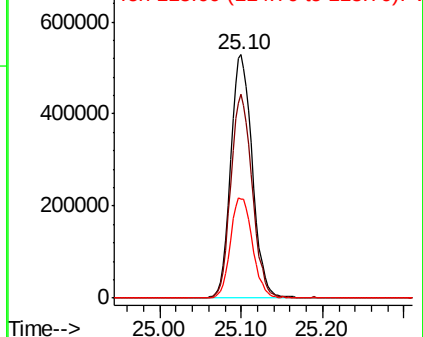


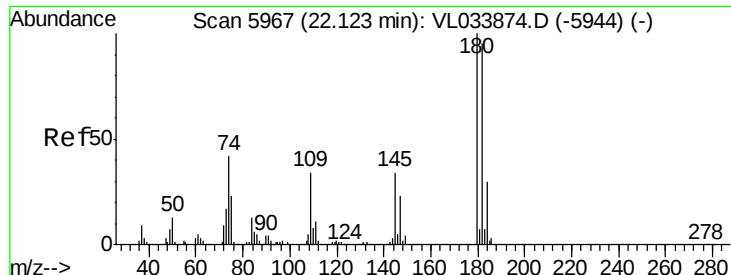
Abundance

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: 8.832 ppbv
 RT: 22.12 min Scan# 5965
 Delta R.T. -0.01 min
 Lab File: VL033927.D
 Acq: 14 Jun 2019 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.9	115.3
184	30.6	24.5	36.7

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