

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032380.D
 Acq On : 16 Aug 2018 17:02
 Operator : SY/AP
 Sample : VL0816ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Manual Integrations
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 8/29/2018 12:11:15 PM

Quant Time: Aug 28 13:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 28 2018
 QLast Update : Tue Aug 28 13:07:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1734887	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3637694	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3430318m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2831850	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.11	85	1612246	9.12	ppbv	98
3) Chlorodifluoromethane	3.05	51	1450923	9.03	ppbv	96
4) Chloromethane	3.21	50	859281	8.98	ppbv	98
5) Vinyl Chloride	3.33	62	829344	9.10	ppbv	97
6) Bromomethane	3.56	94	470886	9.63	ppbv	99
7) Chloroethane	3.64	64	299365	9.36	ppbv	97
8) Dichlorotetrafluoroethane	3.26	85	1800363	9.18	ppbv	98
9) Propene	3.07	41	635854	9.24	ppbv	99
10) Heptane	8.31	43	2347832	11.33	ppbv	99
11) Trichlorofluoromethane	4.05	101	1863710	9.60	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1199436	9.18	ppbv	99
13) Ethanol	3.69	45	181406	10.27	ppbv	99
14) Bromoethene	3.83	108	548563	9.71	ppbv	99
15) Acetone	3.95	43	1415362	8.59	ppbv	98
16) 1,3-Butadiene	3.40	39	690783	10.15	ppbv	89
17) tert-Butyl alcohol	4.40	59	285209	10.31	ppbv	100
18) 1,1-Dichloroethene	4.40	96	575601	9.45	ppbv	96
19) Isopropyl Alcohol	4.07	45	1143341	10.30	ppbv	100
20) Methylene Chloride	4.46	84	501800	8.06	ppbv	96
21) Allyl Chloride	4.52	41	1040400	10.00	ppbv	95
22) trans-1,2-Dichloroethene	5.01	96	570361	9.29	ppbv	98
23) Vinyl Acetate	5.21	43	2560442	9.00	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1809945	8.81	ppbv	100
25) Ethyl Acetate	5.82	43	3455706	9.78	ppbv	100
26) Hexane	5.84	57	1590428	10.10	ppbv	99
27) Carbon Disulfide	4.67	76	1501598	10.22	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2081310	9.96	ppbv	99
29) Chloroform	5.91	83	2221869	9.63	ppbv	100
30) Cyclohexane	7.31	84	1309054	10.91	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	1643031	10.66	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2316552	10.31	ppbv	99
34) 2-Butanone	5.38	43	2352591	9.50	ppbv	98
35) Carbon Tetrachloride	7.20	117	2321507	10.82	ppbv	98
36) Benzene	7.07	78	2916314	9.46	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1921896	10.27	ppbv	98
38) Trichloroethene	8.03	130	1067060	9.86	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1232955	9.57	ppbv	98
40) 1,4-Dioxane	8.02	88	428790	10.96	ppbv	95
41) Tetrahydrofuran	6.20	42	1398039	10.52	ppbv	99
42) Bromodichloromethane	7.98	83	2565628	10.47	ppbv	99
43) Methyl Methacrylate	8.20	69	1352156	11.00	ppbv	99

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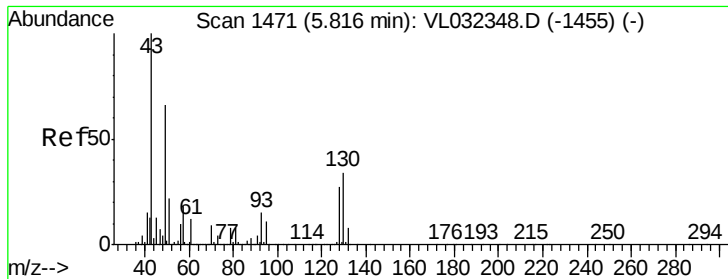
Manual Integrations
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 8/29/2018 12:11:15 PM

Quant Time: Aug 28 13:48:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 28 2018
 QLast Update : Tue Aug 28 13:07:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	5560547	10.00	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1841681	11.85	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2156875	11.57	ppbv	97
47) 1,1,2-Trichloroethane	9.68	97	1233357	8.70	ppbv	99
48) Dibromochloromethane	10.52	129	1908675	10.07	ppbv	100
49) Bromoform	13.27	173	1611317	10.23	ppbv	99
50) 4-Methyl-2-Pentanone	8.94	43	3695257	10.33	ppbv	100
51) 2-Hexanone	10.34	43	2762980	11.00	ppbv	99
52) Tetrachloroethene	11.44	164	894545	9.84	ppbv	97
53) Toluene	10.02	91	3450411	10.21	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1820285	10.00	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.35	131	1407883	9.92	ppbv #	57
57) Chlorobenzene	12.37	112	2485452	9.63	ppbv	97
58) Ethyl Benzene	12.94	91	4616944	11.19	ppbv	97
59) m/p-Xylene	13.22	91	7548409m	21.53	ppbv	
60) o-Xylene	13.92	91	3637131	10.55	ppbv	98
61) Styrene	13.76	104	2808531	11.66	ppbv	99
62) Isopropylbenzene	14.89	105	5315775	10.84	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2720709	9.39	ppbv	100
64) n-propylbenzene	15.79	120	1320028	10.40	ppbv	93
65) tert-Butylbenzene	16.98	119	4183422	9.98	ppbv	98
66) Benzyl Chloride	17.23	91	2801149	11.29	ppbv	98
67) sec-Butylbenzene	17.53	105	6373436	10.23	ppbv	99
69) p-Isopropyltoluene	17.88	119	5229041	10.97	ppbv	99
70) n-Butylbenzene	18.78	91	6002424	11.48	ppbv	99
71) 2-Chlorotoluene	15.69	91	4179959	11.01	ppbv	99
72) 4-Ethyltoluene	16.07	105	4269610	11.11	ppbv	98
73) 1,3,5-Trimethylbenzene	16.23	105	4011750	10.85	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	4000937	10.17	ppbv	99
75) 1,3-Dichlorobenzene	17.23	146	2220137	9.39	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2255043	10.07	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2329700	10.31	ppbv	99
78) Hexachloro-1,3-Butadiene	23.61	225	744578	9.82	ppbv	99
79) Naphthalene	22.49	128	3993606	13.91	ppbv	98
80) Naphthalene, 2-methyl-	25.17	142	1608029	20.49	ppbv	98
81) 1,2,4-Trichlorobenzene	22.22	180	1869161	12.29	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 49 Resp: 1734887

Ion Ratio Lower Upper

49 100

128 40.8 20.5 61.6

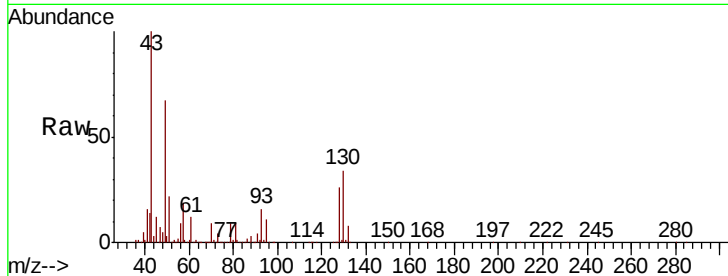
130 52.2 26.2 78.5

Manual Integrations

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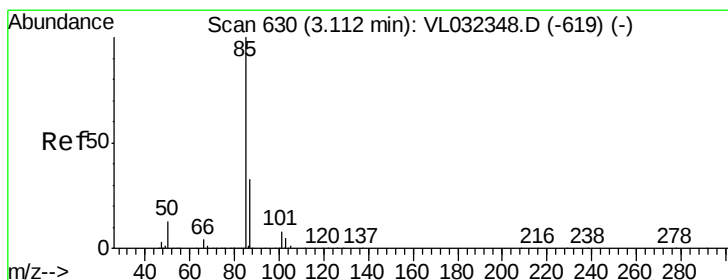
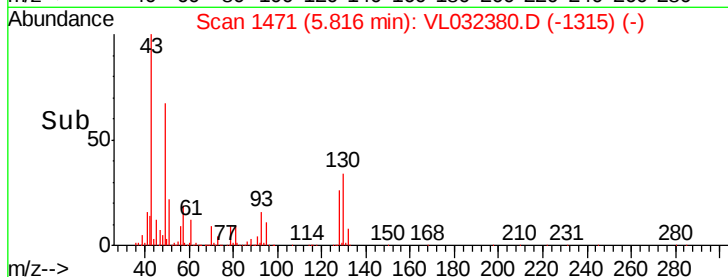
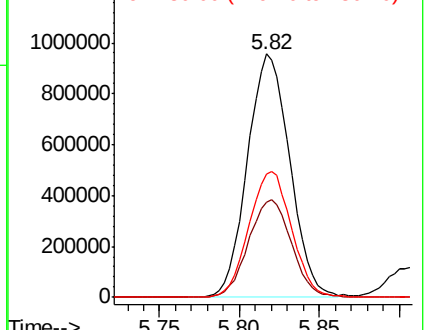
8/29/2018 12:11:15 PM



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: 9.12 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032380.D

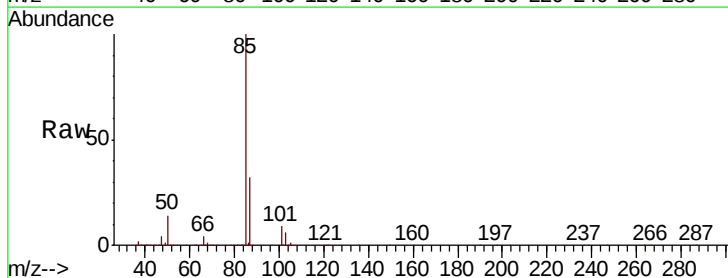
Acq: 16 Aug 2018 17:02

Tgt Ion: 85 Resp: 1612246

Ion Ratio Lower Upper

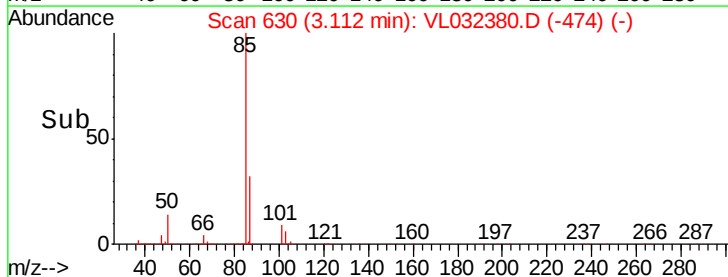
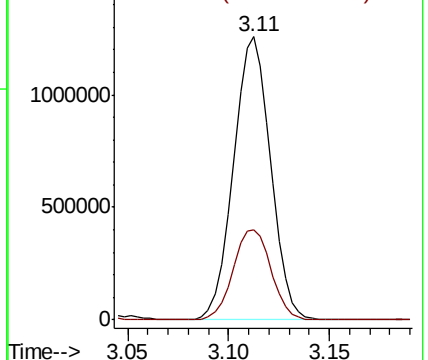
85 100

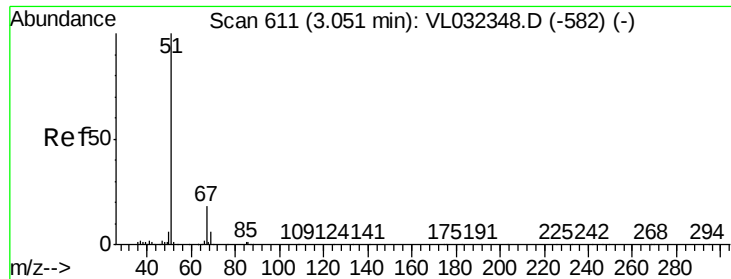
87 31.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.03 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 51 Resp: 1450923

Ion Ratio Lower Upper

51 100

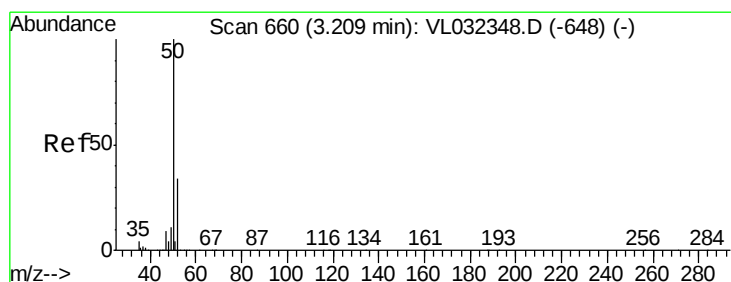
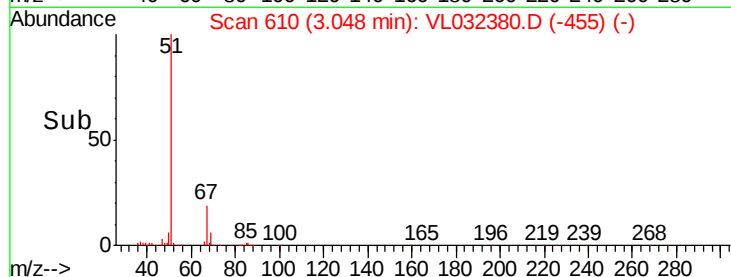
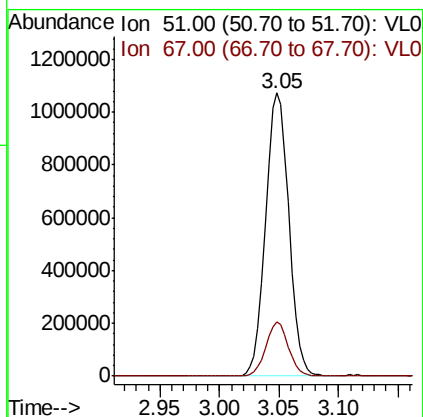
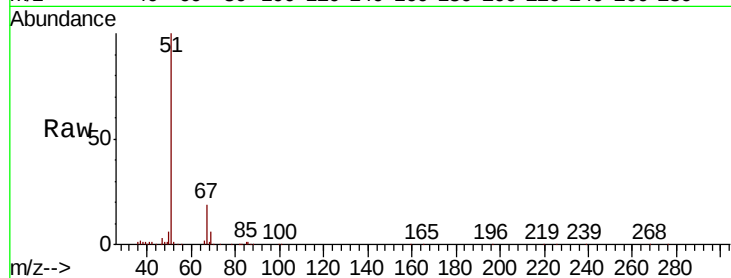
67 18.7 13.7 20.5

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#4

Chloromethane

Concen: 8.98 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032380.D

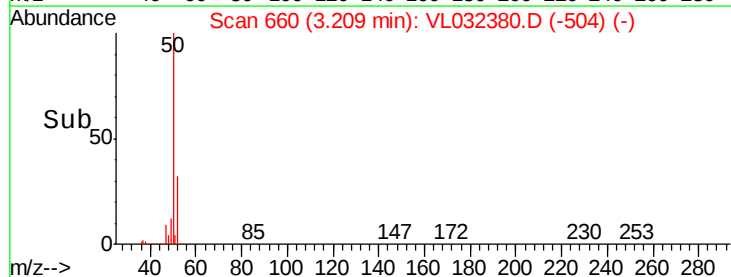
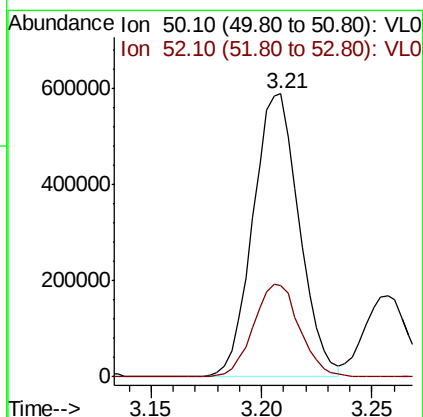
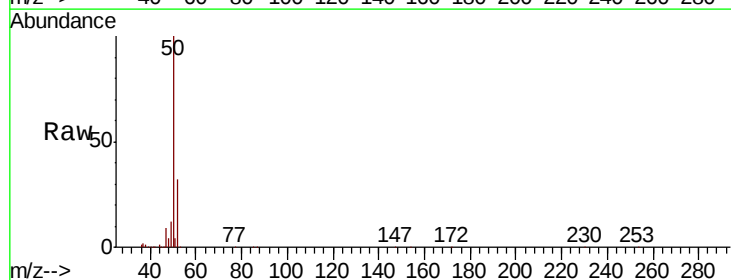
Acq: 16 Aug 2018 17:02

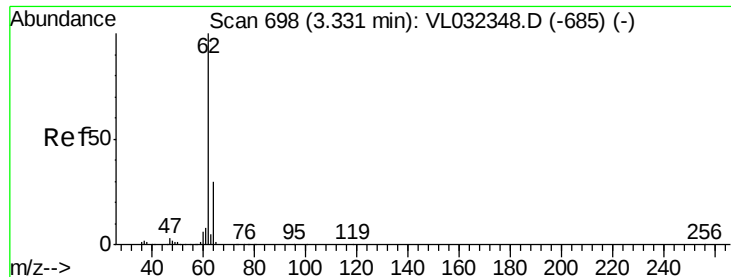
Tgt Ion: 50 Resp: 859281

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2





#5

Vinyl Chloride

Concen: 9.10 ppbv

RT: 3.33 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 62 Resp: 829344

Ion Ratio Lower Upper

62 100

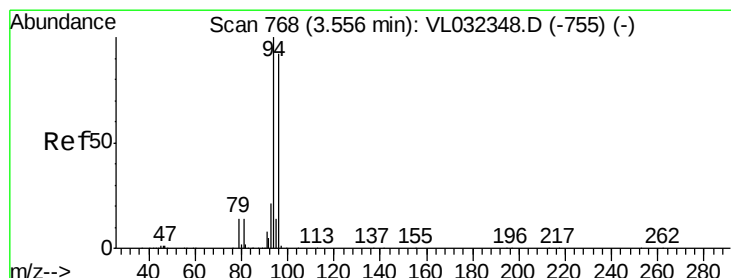
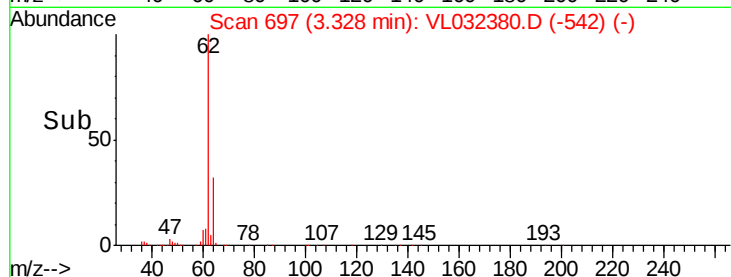
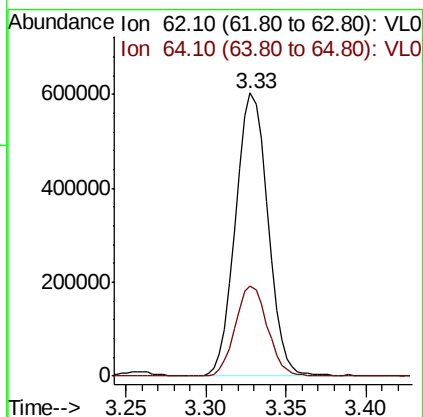
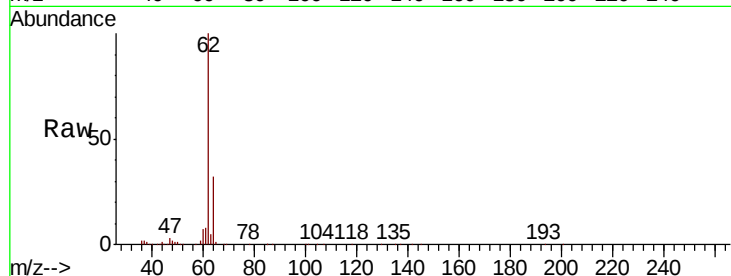
64 31.8 24.2 36.2

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#6

Bromomethane

Concen: 9.63 ppbv

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VL032380.D

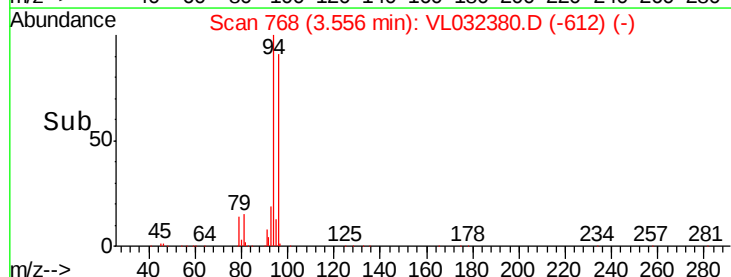
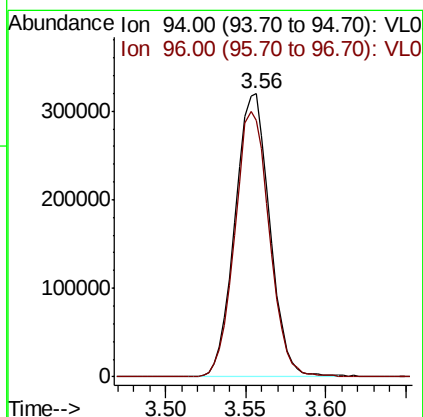
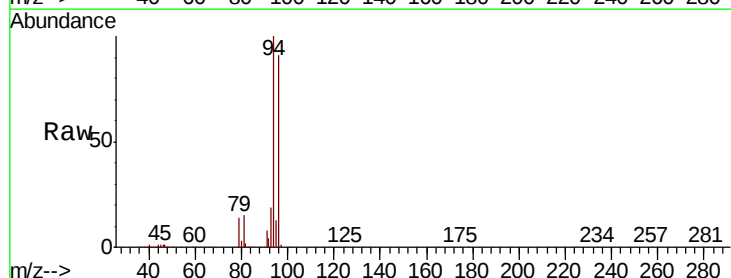
Acq: 16 Aug 2018 17:02

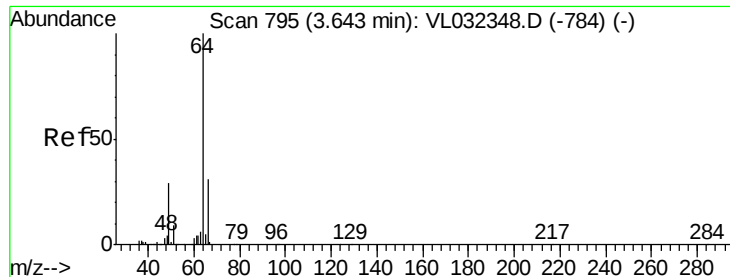
Tgt Ion: 94 Resp: 470886

Ion Ratio Lower Upper

94 100

96 90.8 73.7 110.5





#7

Chloroethane

Concen: 9.36 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 64 Resp: 299365

Ion Ratio Lower Upper

64 100

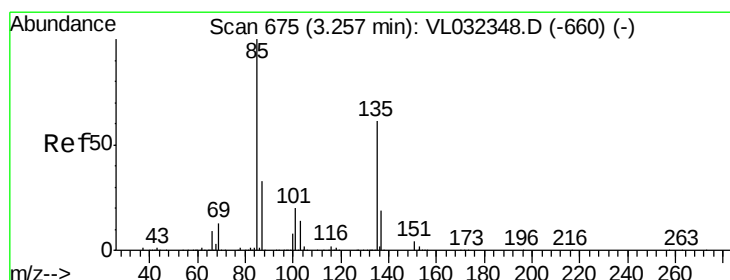
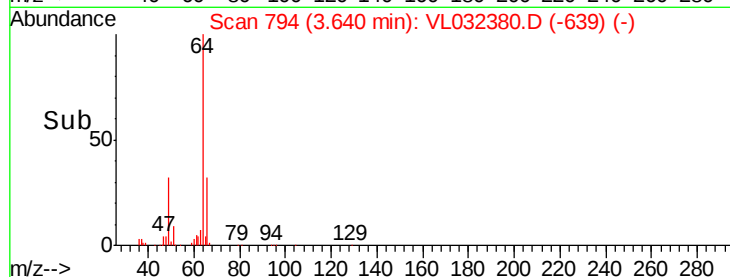
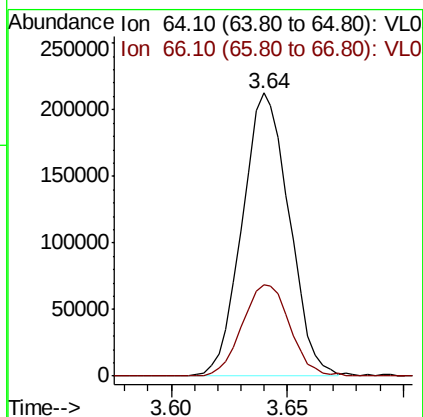
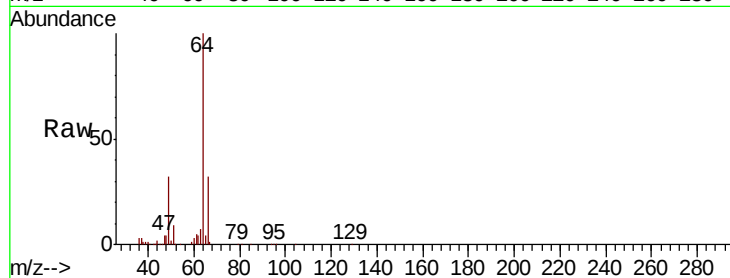
66 32.3 24.6 36.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.18 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032380.D

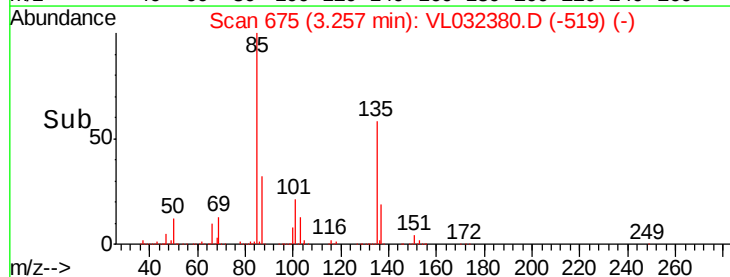
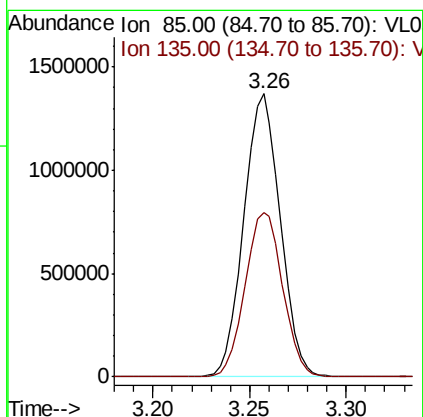
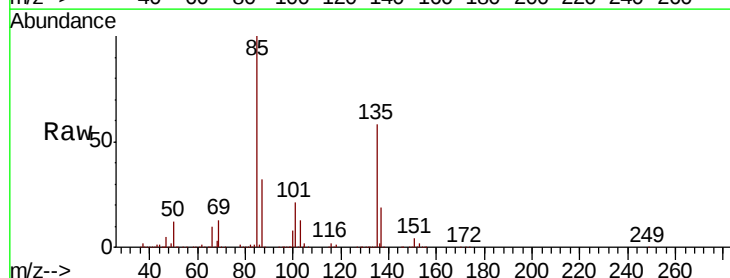
Acq: 16 Aug 2018 17:02

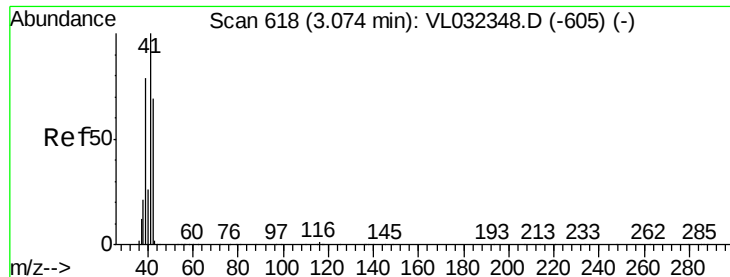
Tgt Ion: 85 Resp: 1800363

Ion Ratio Lower Upper

85 100

135 59.9 49.0 73.6





#9

Propene

Concen: 9.24 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 41 Resp: 635854

Ion Ratio Lower Upper

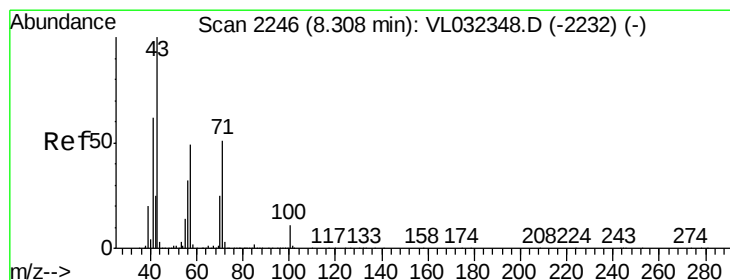
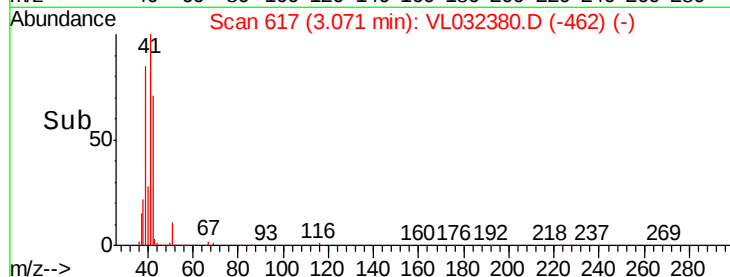
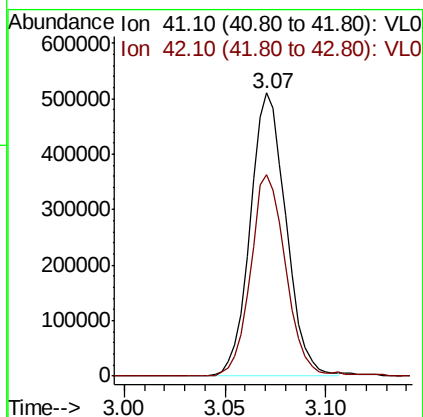
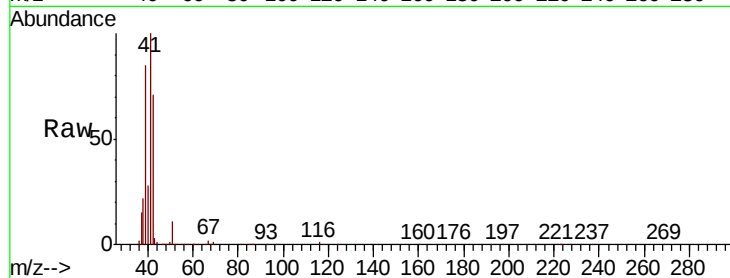
41 100

42 70.4 55.9 83.9

Manual Integrations
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#10

Heptane

Concen: 11.33 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VL032380.D

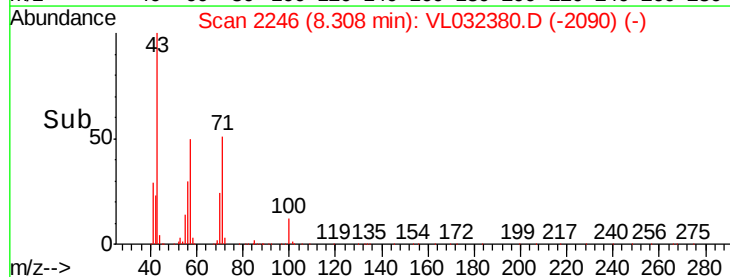
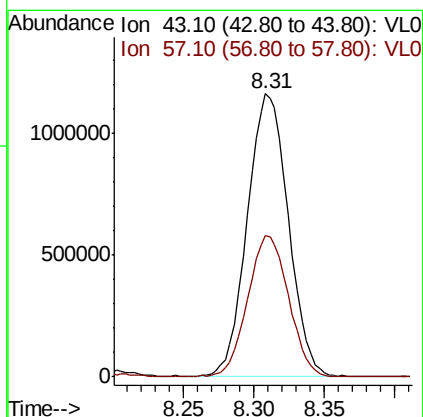
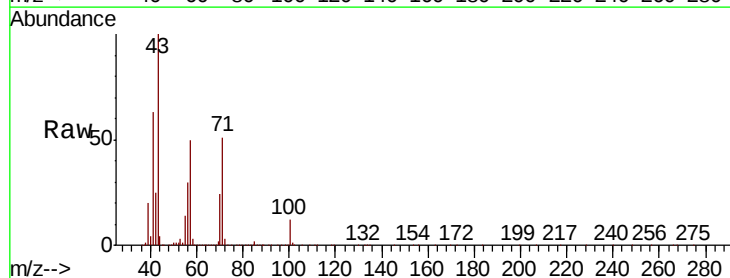
Acq: 16 Aug 2018 17:02

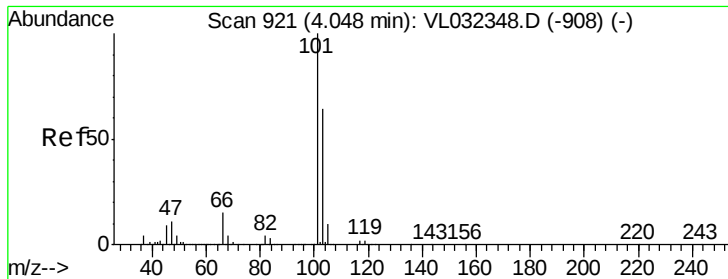
Tgt Ion: 43 Resp: 2347832

Ion Ratio Lower Upper

43 100

57 50.4 39.5 59.3





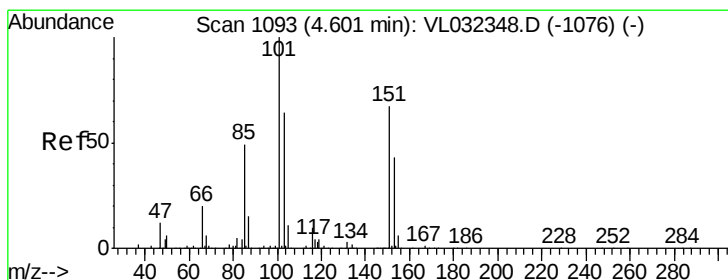
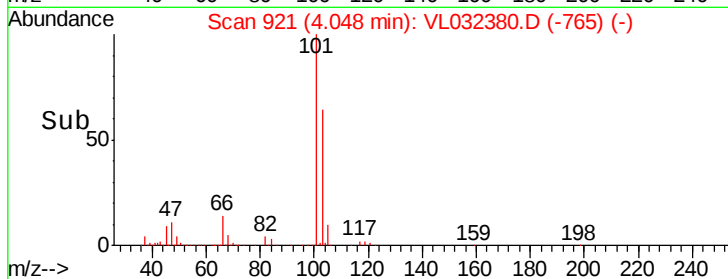
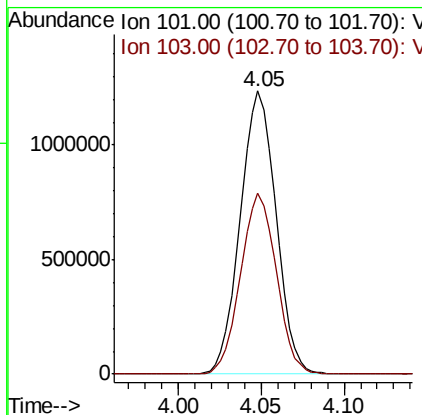
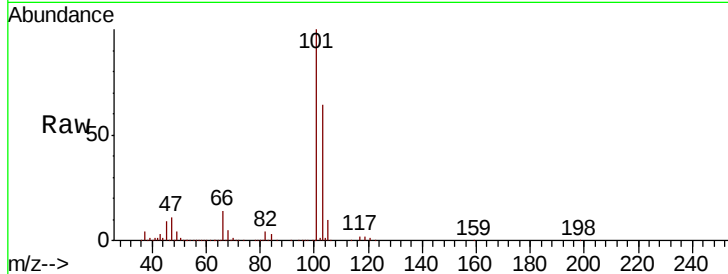
#11
 Trichlorofluoromethane
 Concen: 9.60 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampled :
 VL0816ABS01

Tot Ion:101 Resp: 1863710
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.0

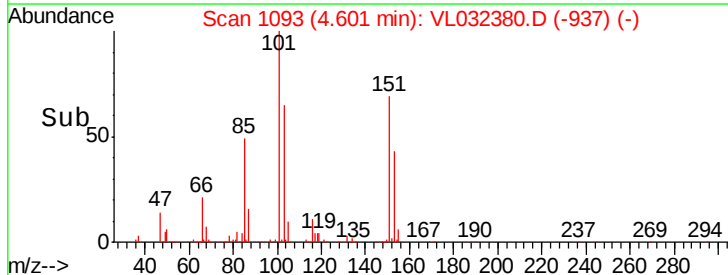
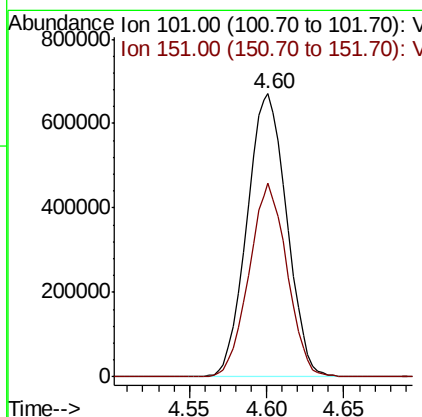
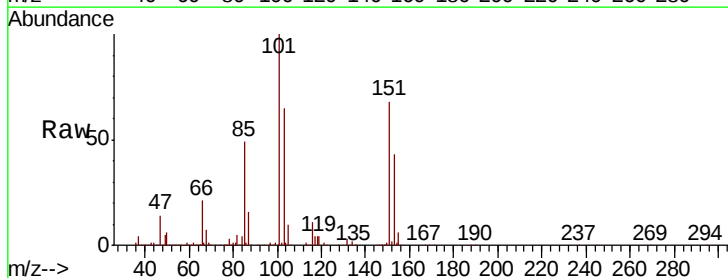
Manual Integrations
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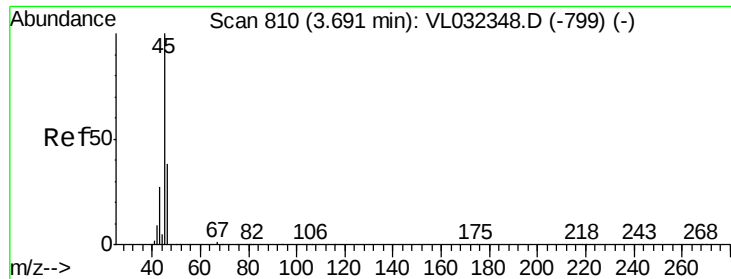
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.18 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion:101 Resp: 1199436
 Ion Ratio Lower Upper
 101 100
 151 65.4 53.1 79.7





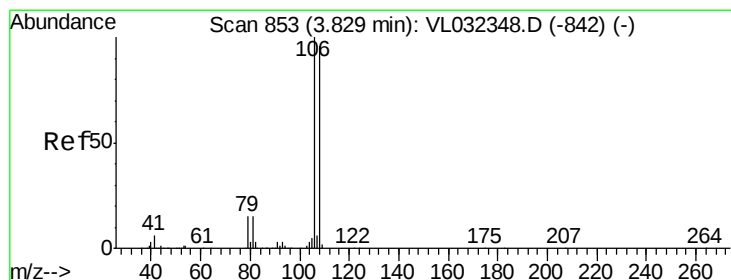
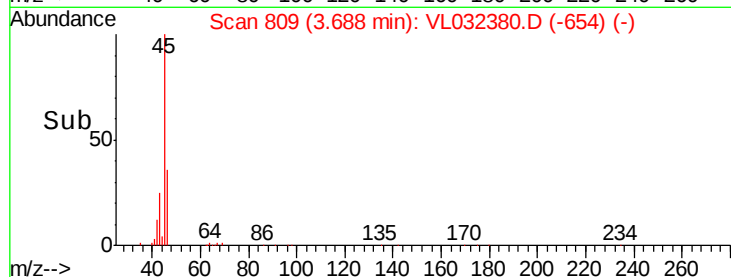
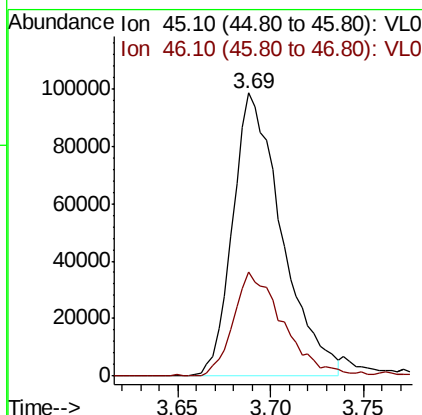
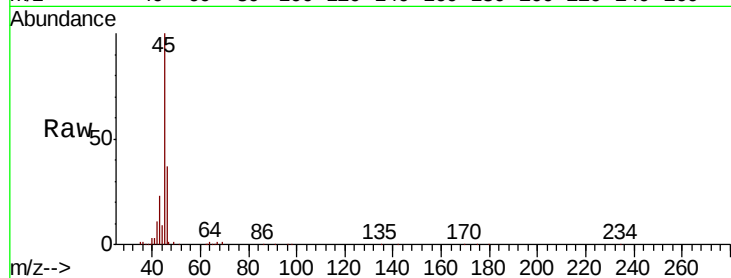
#13
Ethanol
Concen: 10.27 ppbv
RT: 3.69 min Scan# 809
Delta R.T. -0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	45	46	Ratio	Lower	Upper
181406	100	38.2		15.6	62.4

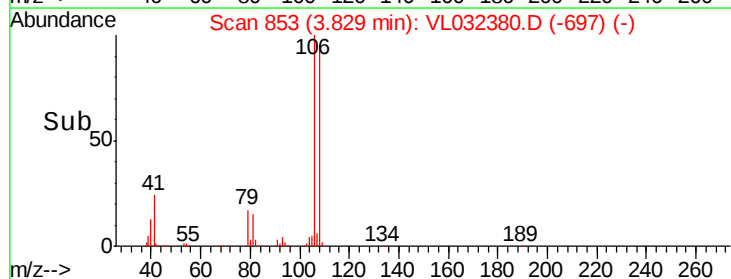
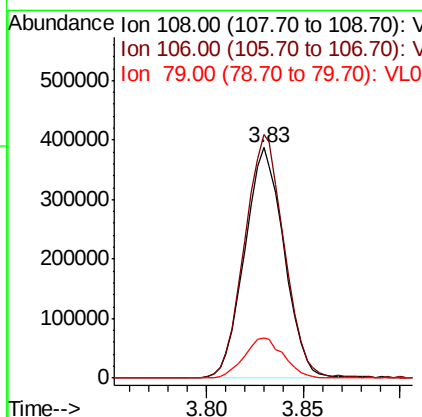
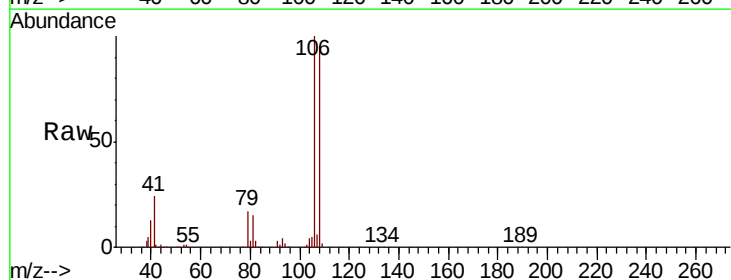
Manual Integrations
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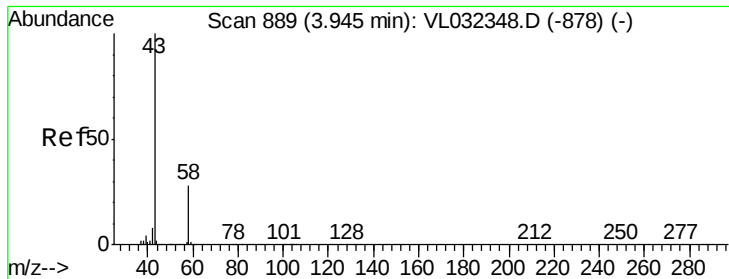
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#14
Bromoethene
Concen: 9.71 ppbv
RT: 3.83 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	108	106	79	Ratio	Lower	Upper
548563	100	106.9	17.8		85.7	128.5





#15

Acetone

Concen: 8.59 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tot Ion: 43 Resp: 1415362

Ion Ratio Lower Upper

43 100

58 27.0 22.4 33.6

Instrument :

MSVOA_L

ClientSampleId :

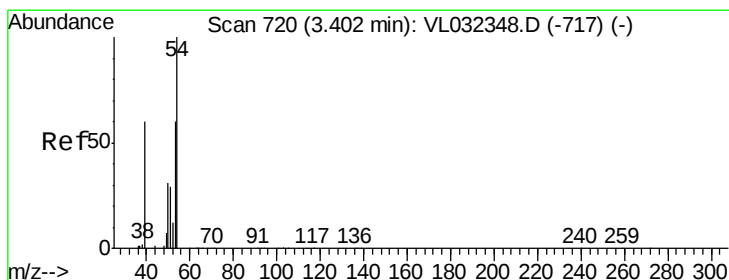
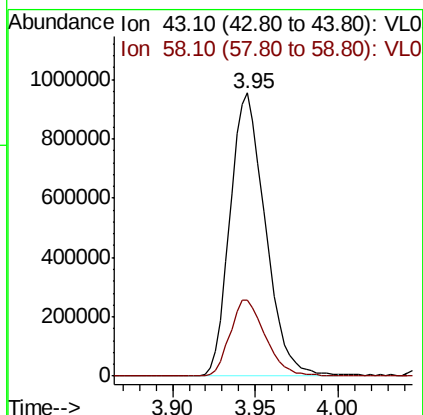
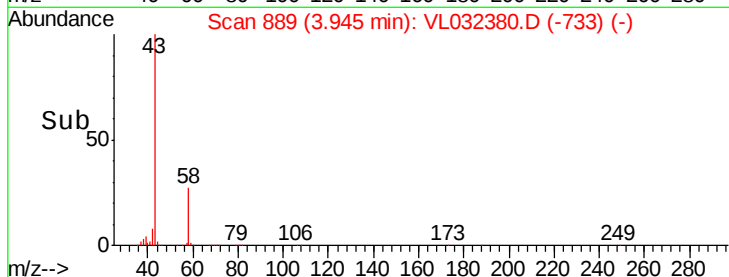
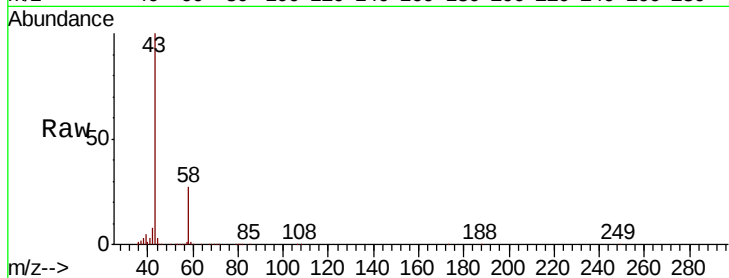
VL0816ABS01

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#16

1,3-Butadiene

Concen: 10.15 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032380.D

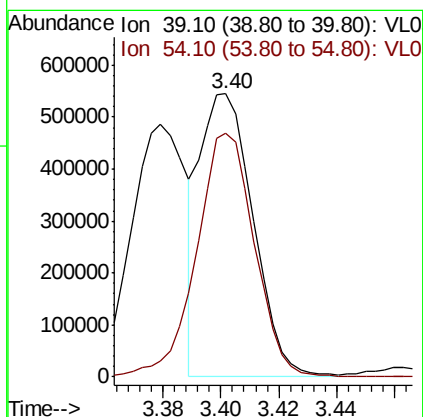
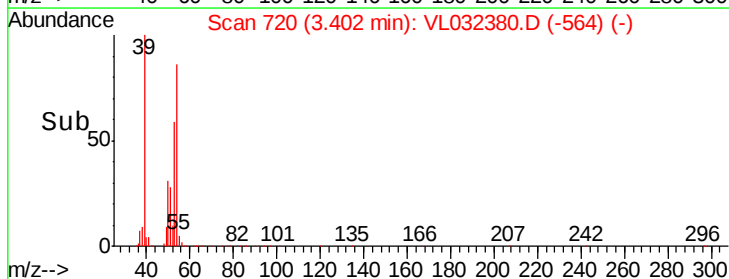
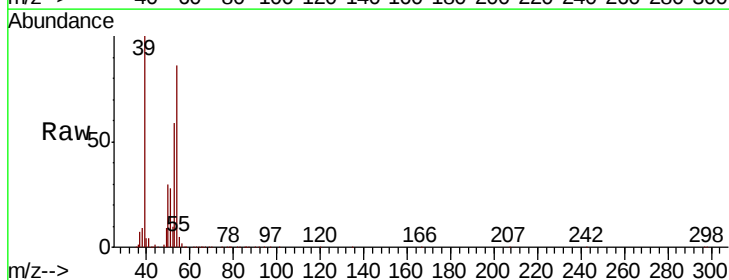
Acq: 16 Aug 2018 17:02

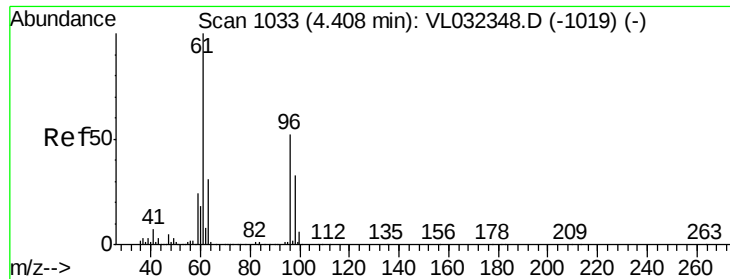
Tgt Ion: 39 Resp: 690783

Ion Ratio Lower Upper

39 100

54 95.0 85.5 128.3





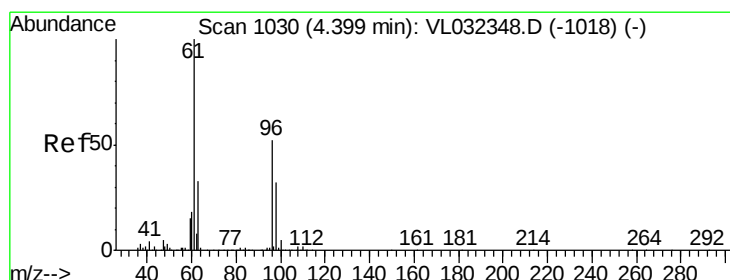
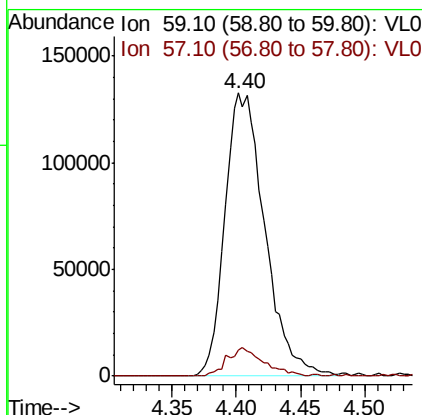
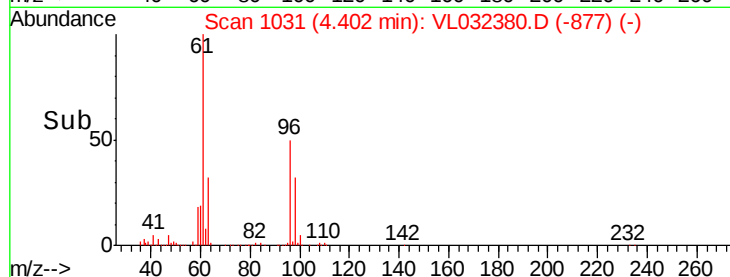
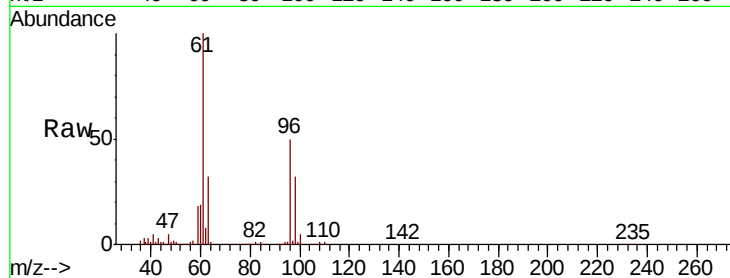
#17
 tert-Butyl alcohol
 Concen: 10.31 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0816ABS01

Tot Ion	59.10	Resp	285209
Ion Ratio	59	100	
Lower	57	9.4	7.6
Upper			11.4

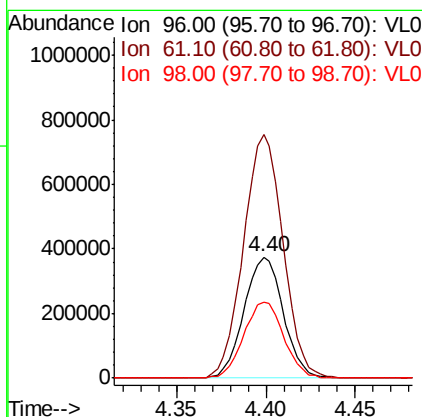
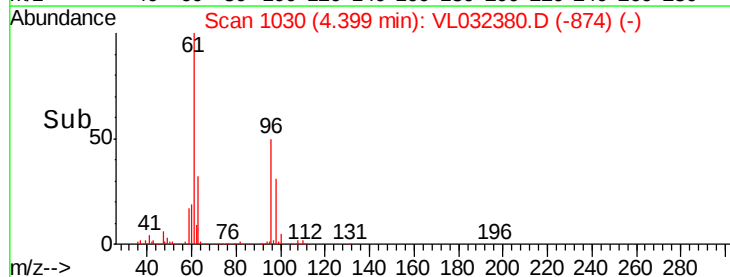
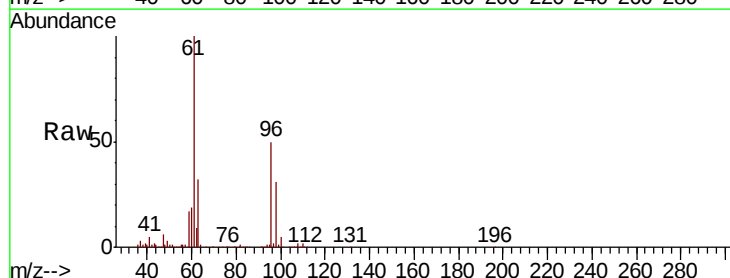
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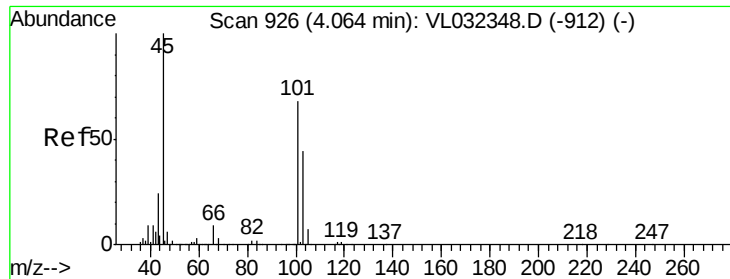
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#18
 1,1-Dichloroethene
 Concen: 9.45 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	96	Resp	575601
Ion Ratio	96	100	
Lower	61	200.6	154.6
Upper	98	63.1	50.1





#19

Isopropyl Alcohol

Concen: 10.30 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tot Ion: 45 Resp: 1143341

Ion Ratio Lower Upper

45 100

58 1.6 1.4 2.0

Instrument :

MSVOA_L

ClientSampleId :

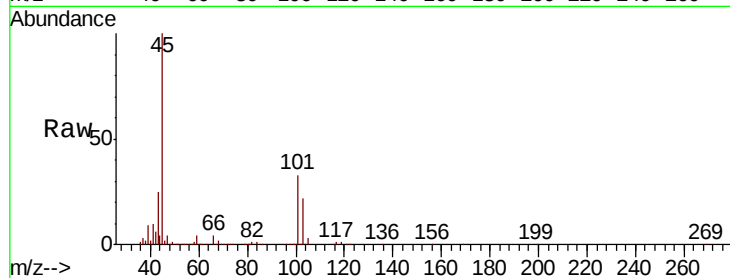
VL0816ABS01

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.07

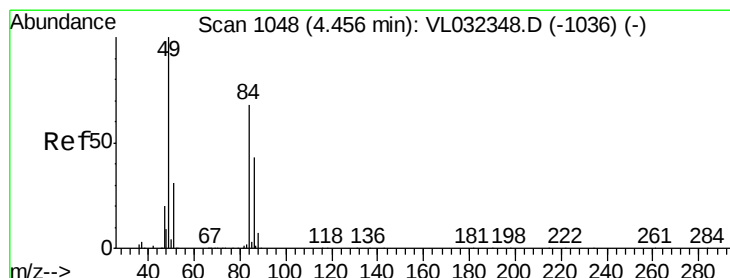
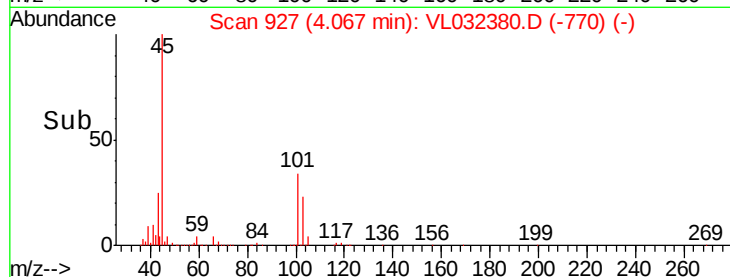
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.06 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion: 84 Resp: 501800

Ion Ratio Lower Upper

84 100

49 151.7 117.3 175.9

51 48.5 36.6 55.0

86 64.0 49.8 74.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

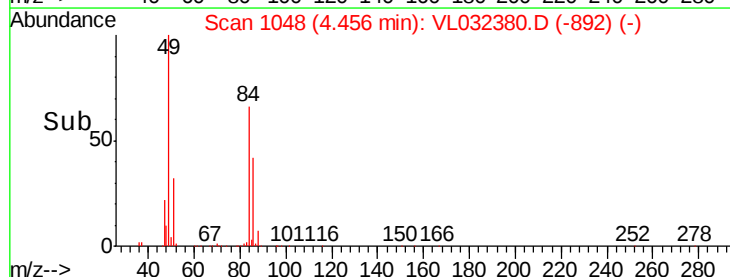
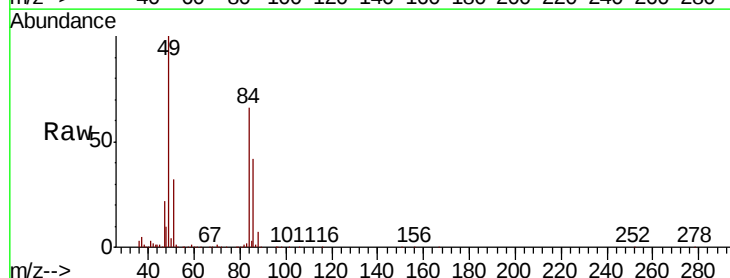
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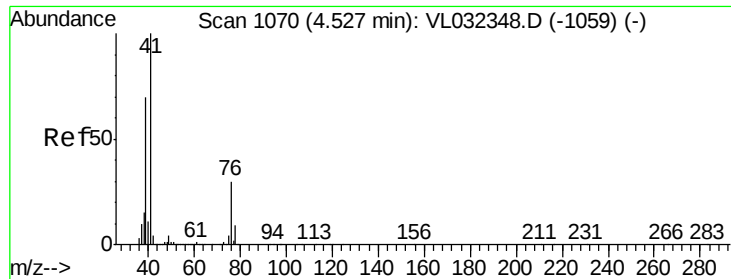
400000

200000

0

Time-->





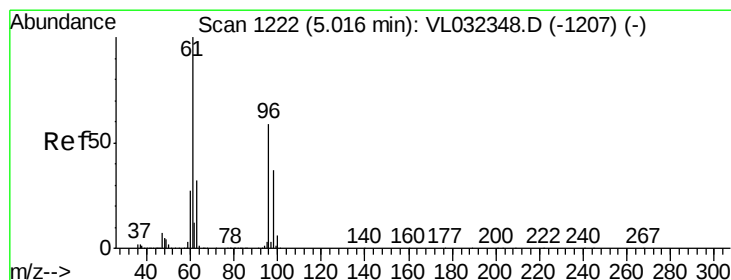
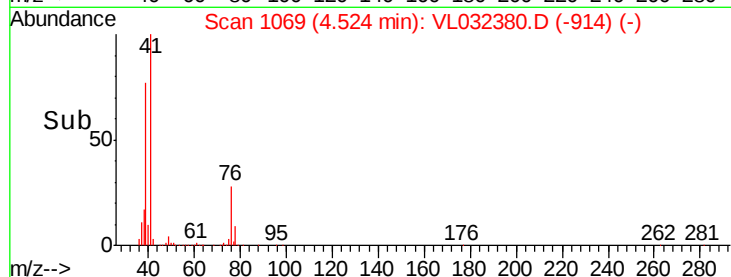
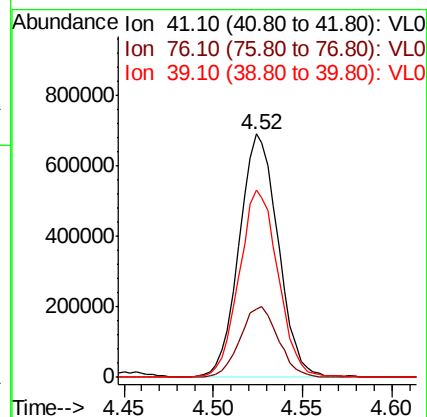
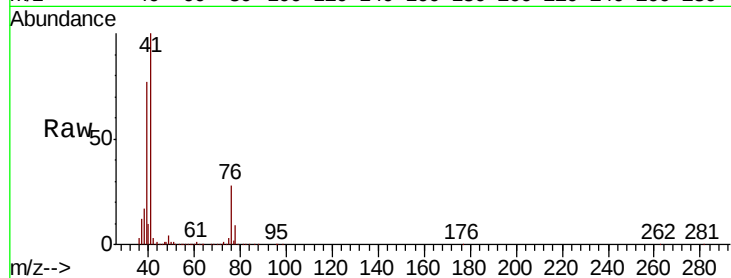
#21
Allvl Chloride
Concen: 10.00 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	77.5	57.6	86.4

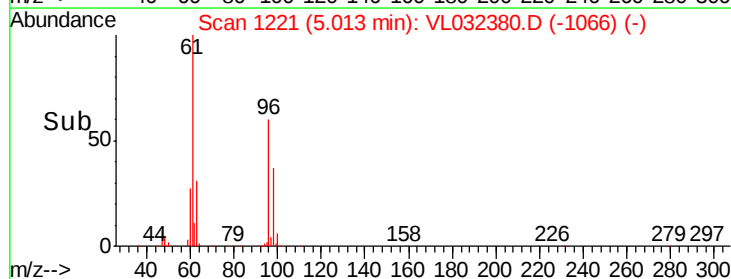
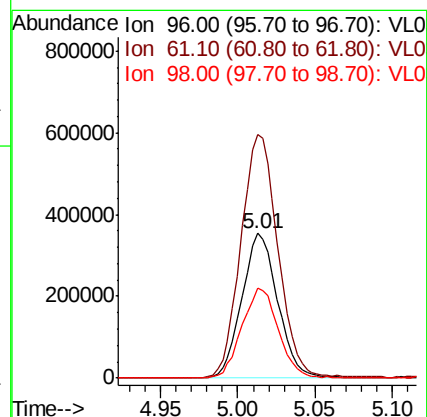
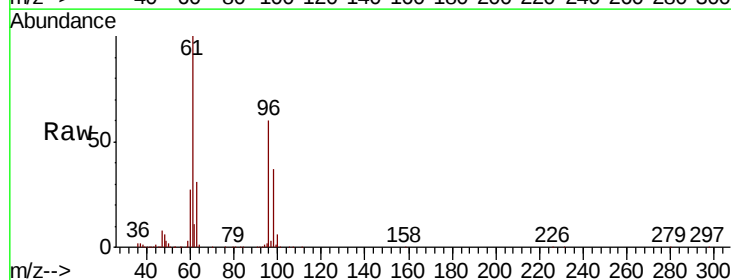
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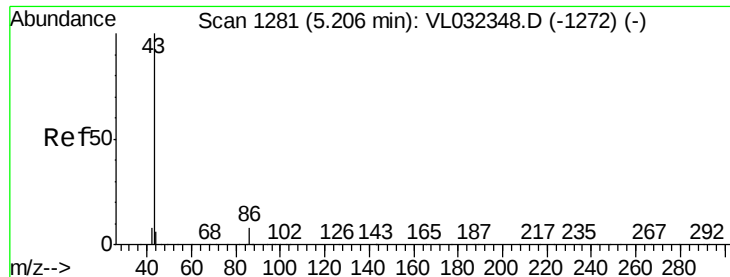
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#22
trans-1,2-Dichloroethene
Concen: 9.29 ppbv
RT: 5.01 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	136.6	205.0
98	61.8	50.6	76.0





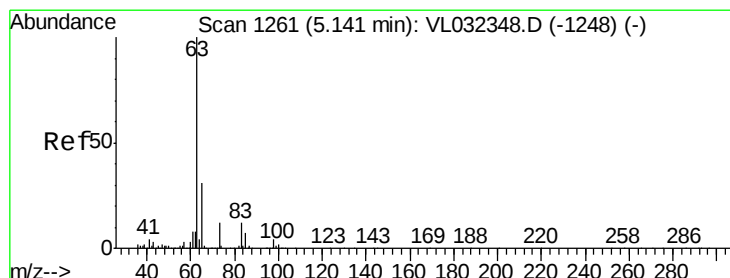
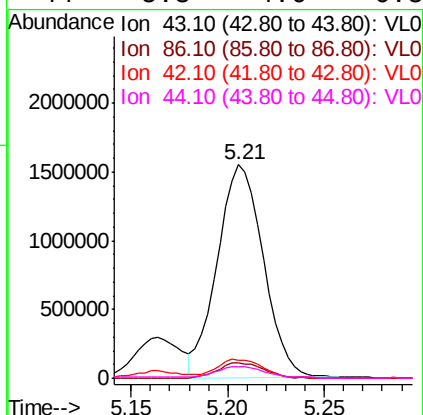
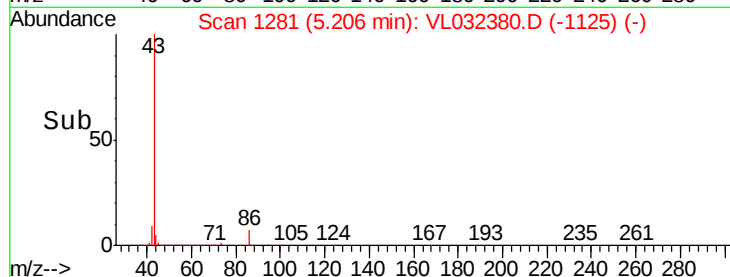
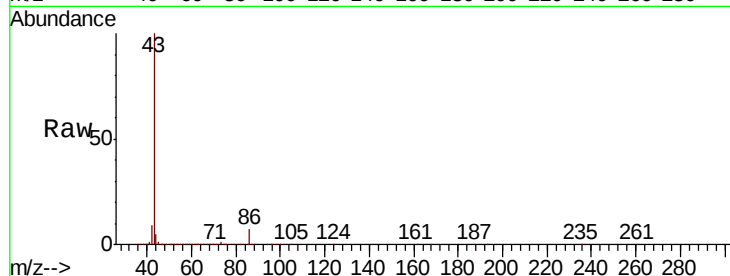
#23
 Vinyl Acetate
 Concen: 9.00 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	43	Resp	2560442
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	8.6	7.0	10.6
44	5.3	4.6	6.8

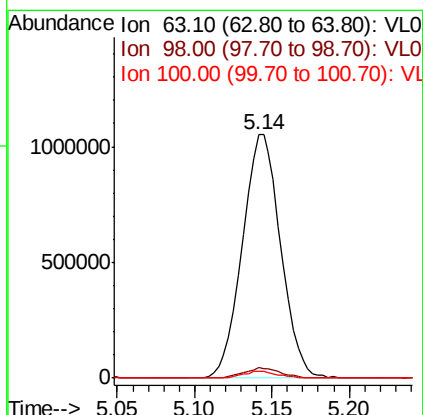
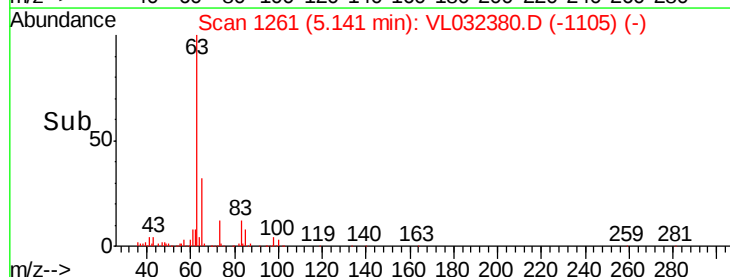
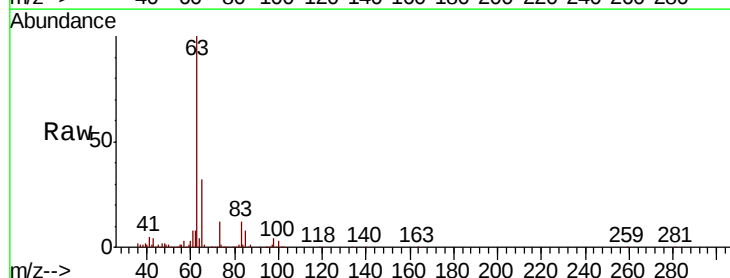
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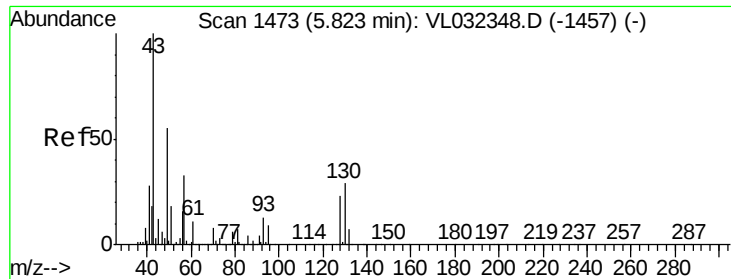
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#24
 1,1-Dichloroethane
 Concen: 8.81 ppbv
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	63	Resp	1809945
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.7	1.2	3.6





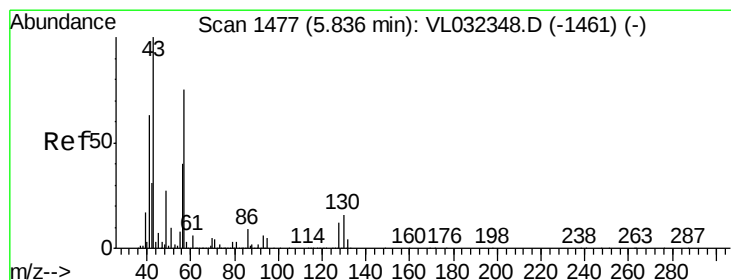
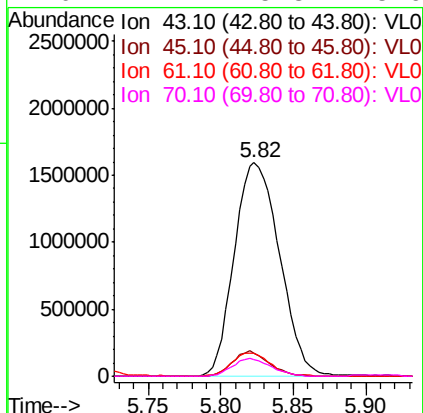
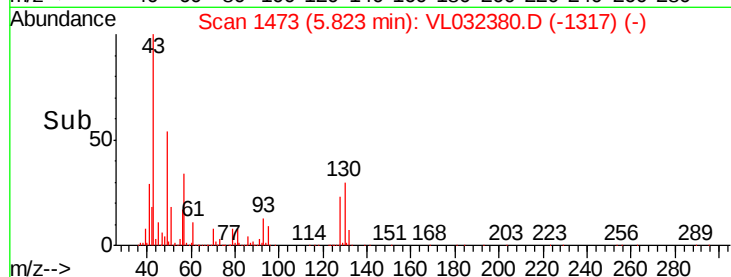
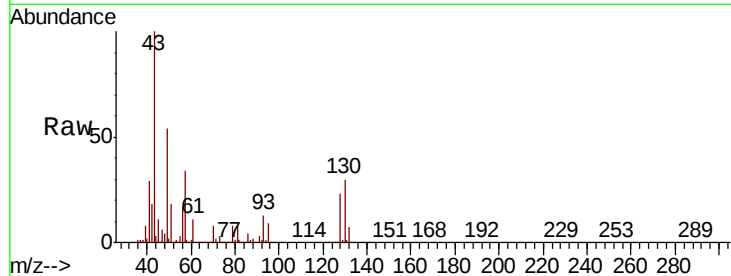
#25
Ethyl Acetate
Concen: 9.78 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.5	7.4	11.2
70	7.2	5.8	8.6

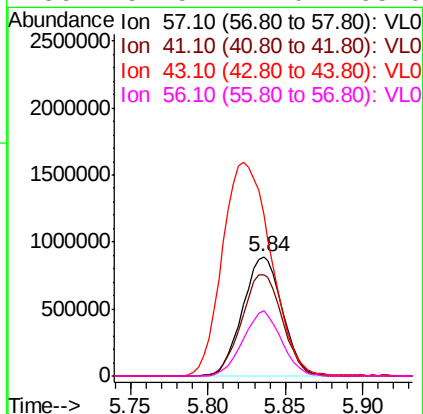
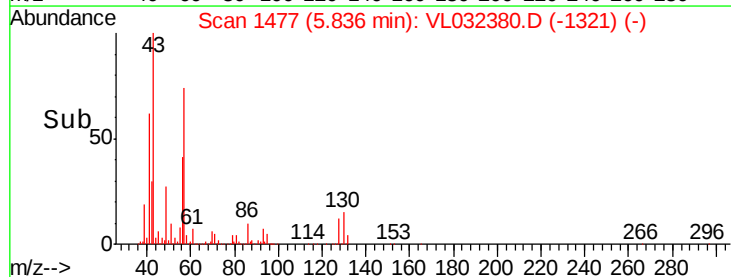
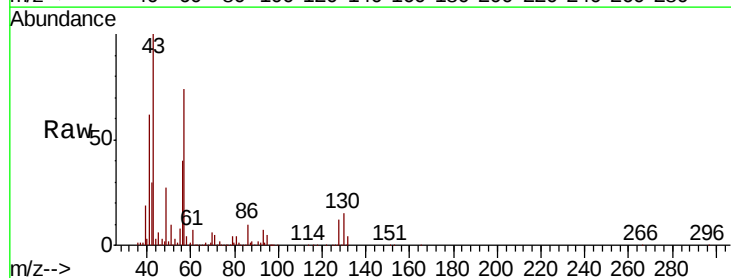
Manual Integrations
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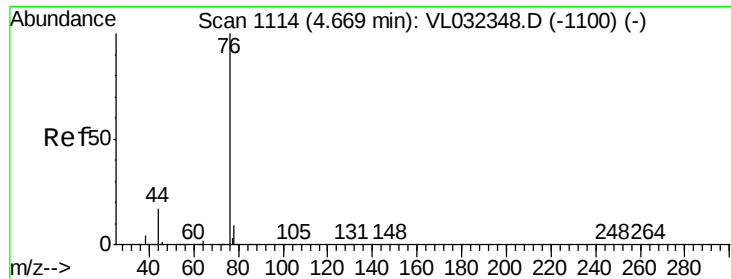
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#26
Hexane
Concen: 10.10 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.3	68.0	102.0
43	218.4	175.3	262.9
56	52.5	42.0	63.0





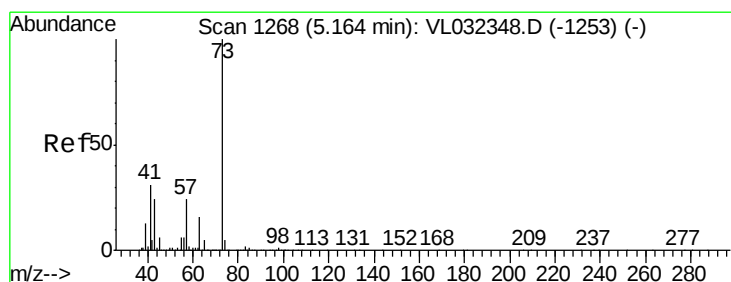
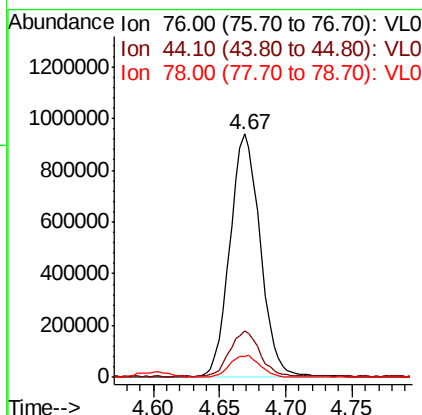
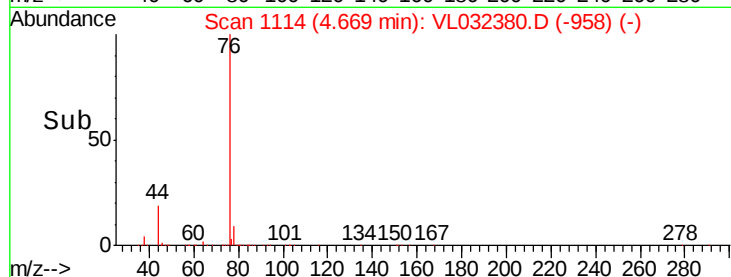
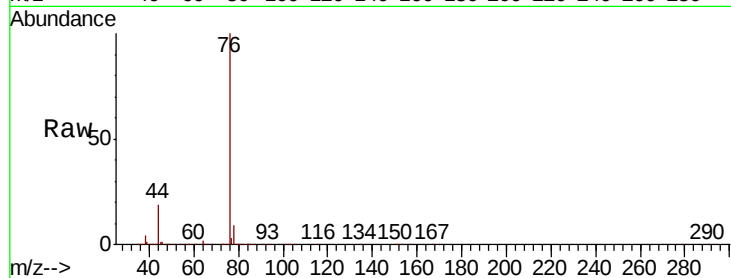
#27
Carbon Disulfide
Concen: 10.22 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.7	14.4	21.6
78	9.3	7.4	11.0

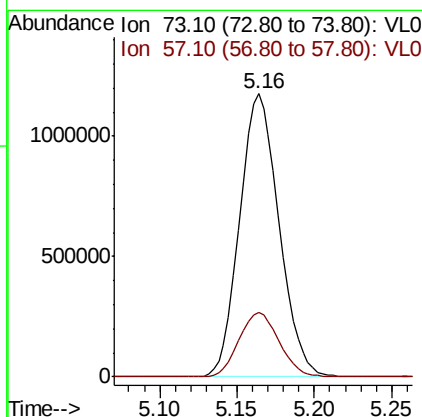
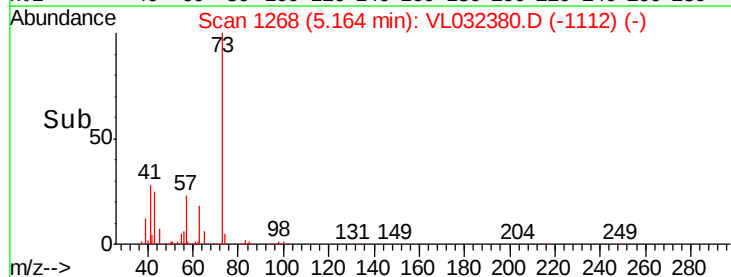
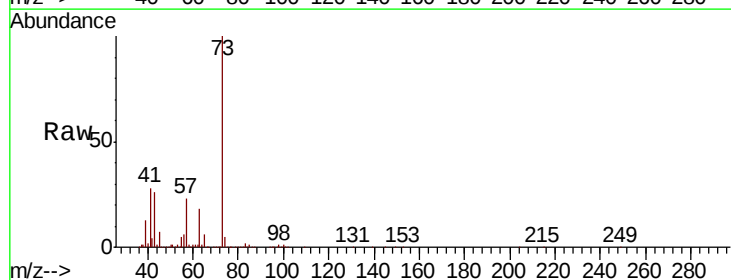
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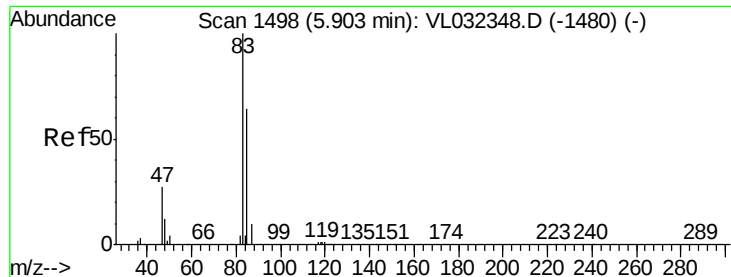
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#28
Methyl tert-Butyl Ether
Concen: 9.96 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9





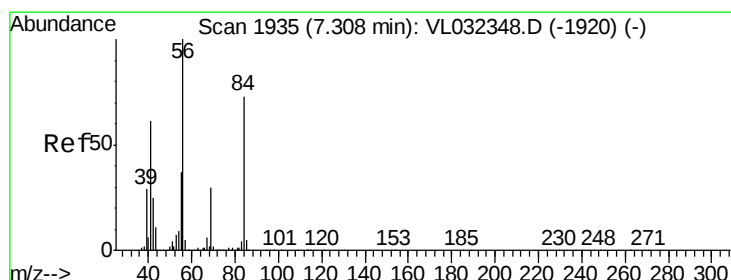
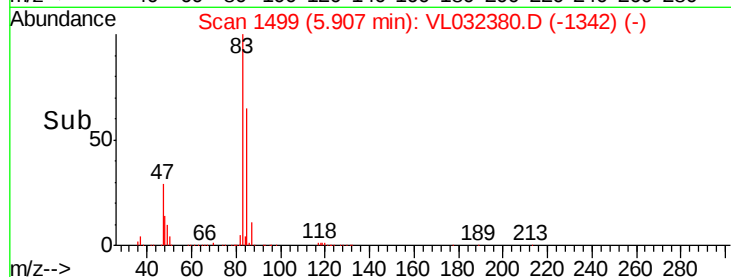
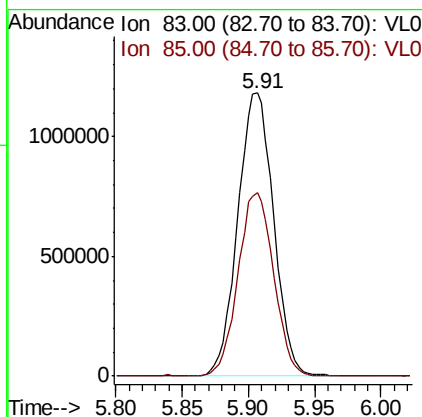
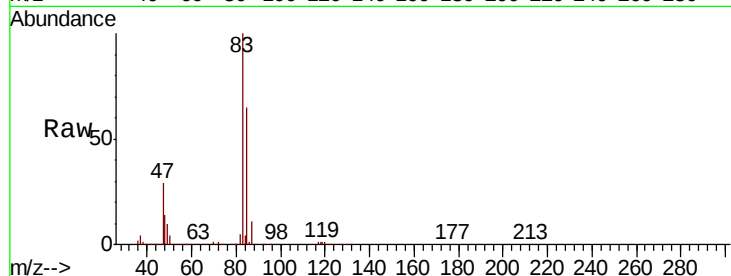
#29
Chloroform
Concen: 9.63 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 83 Resp: 2221869
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4

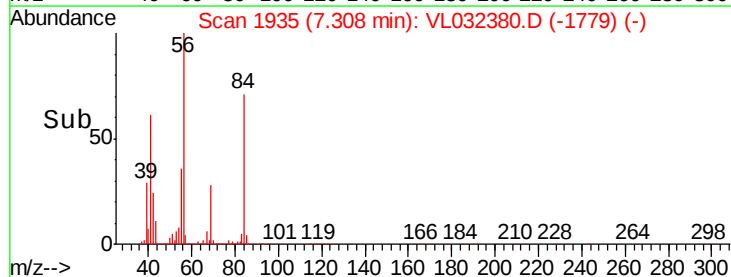
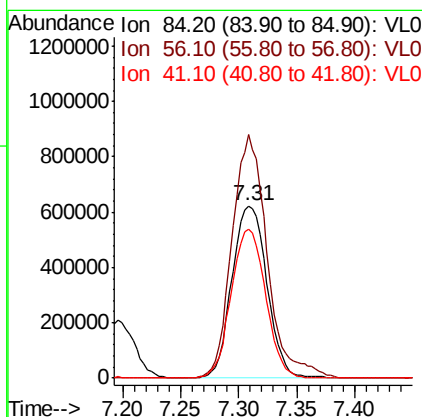
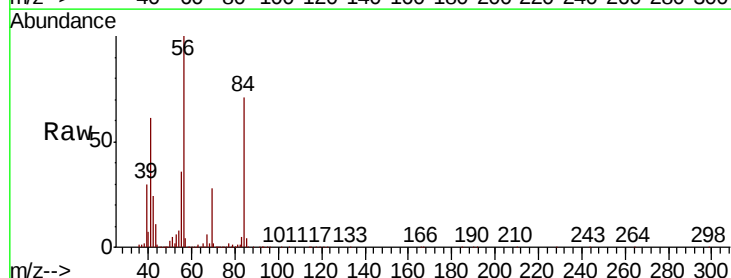
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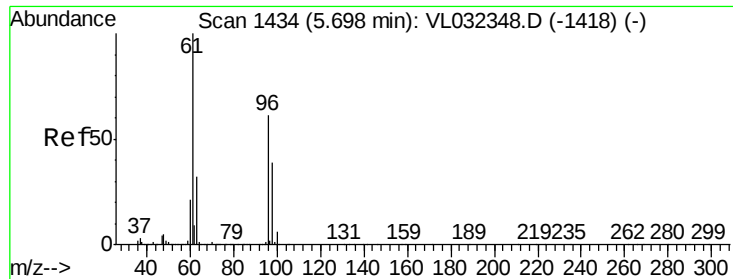
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#30
Cyclohexane
Concen: 10.91 ppbv
RT: 7.31 min Scan# 1935
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 84 Resp: 1309054
Ion Ratio Lower Upper
84 100
56 142.0 115.7 173.5
41 85.0 67.9 101.9





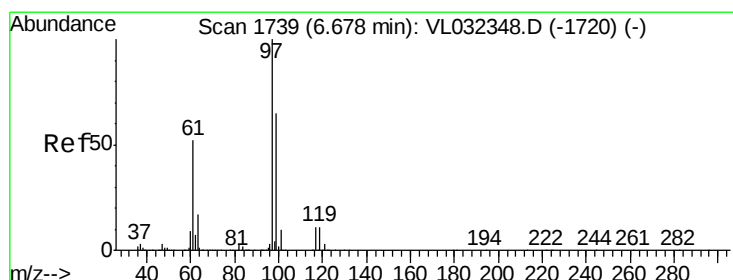
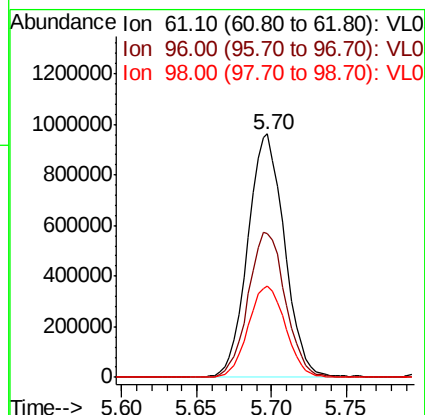
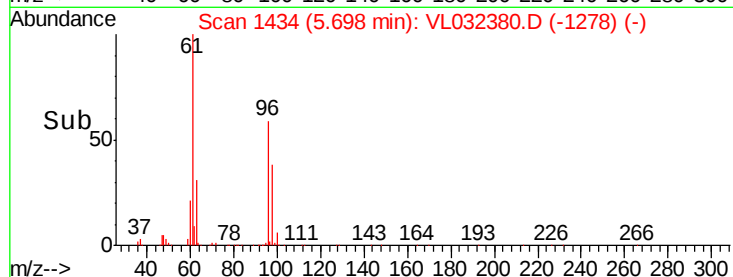
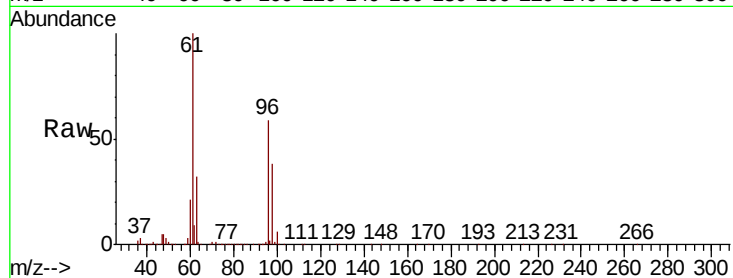
#31
 cis-1,2-Dichloroethene
 Concen: 10.66 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.8	48.5	72.7
98	37.5	31.0	46.4

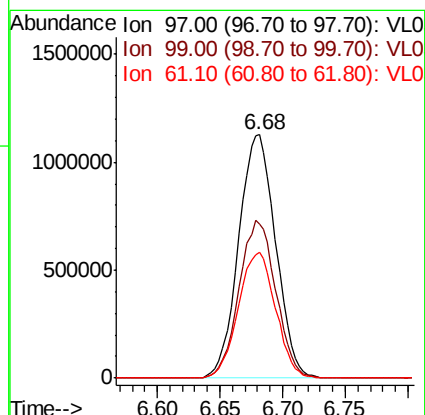
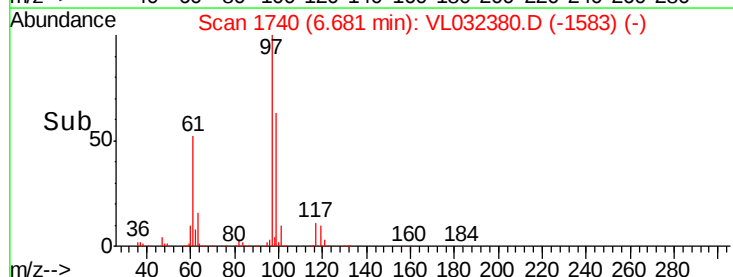
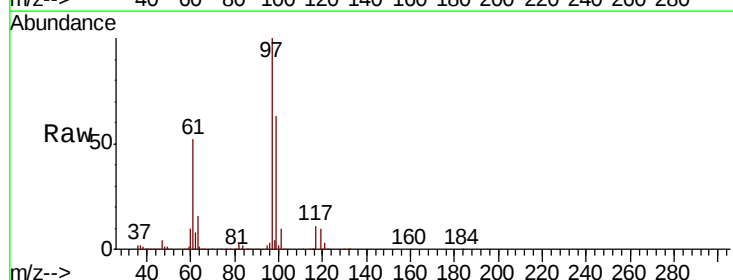
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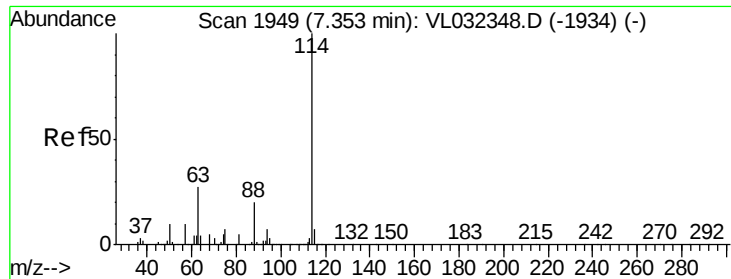
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#32
 1,1,1-Trichloroethane
 Concen: 10.31 ppbv
 RT: 6.68 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	52.1	41.1	61.7





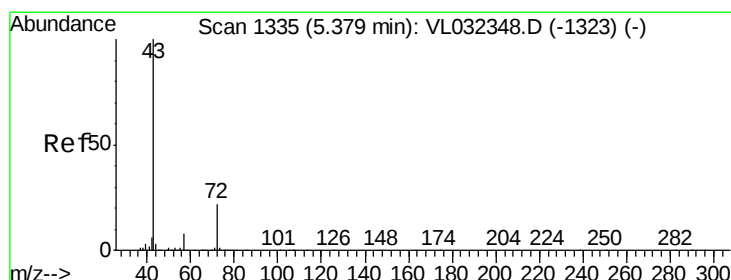
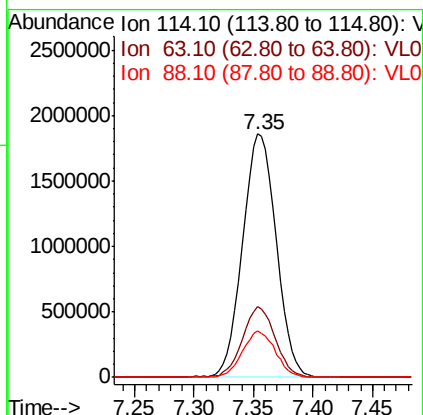
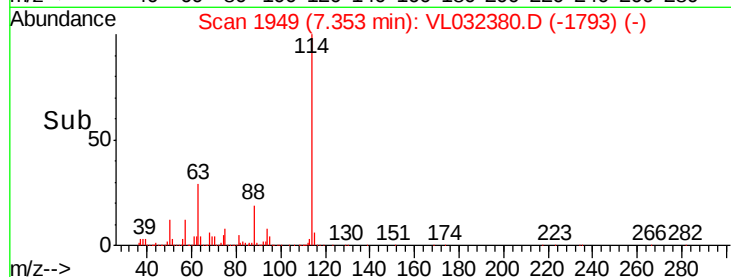
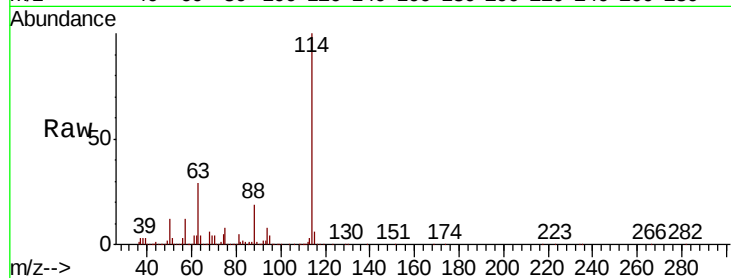
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.0	33.0
88	18.7	15.3	22.9

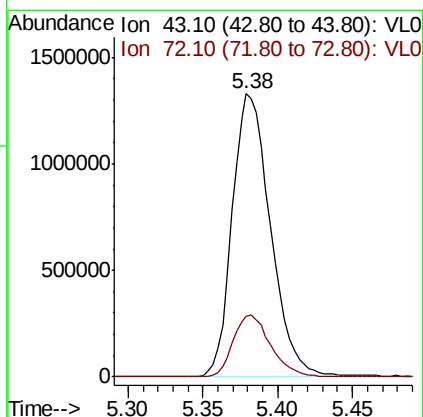
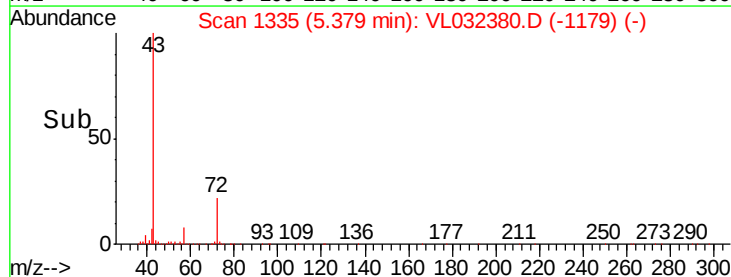
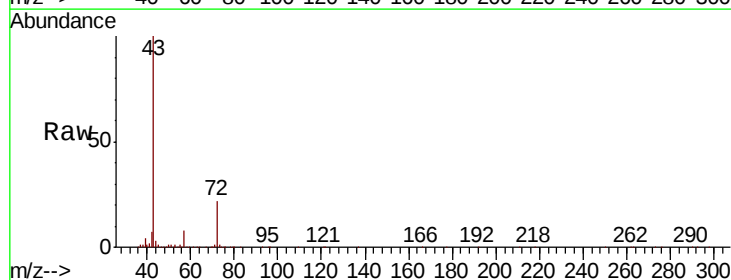
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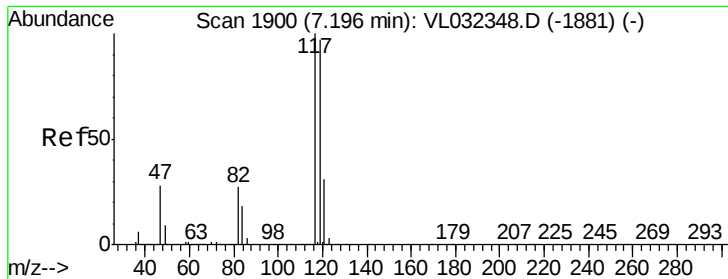
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#34
 2-Butanone
 Concen: 9.50 ppbv
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 10.82 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

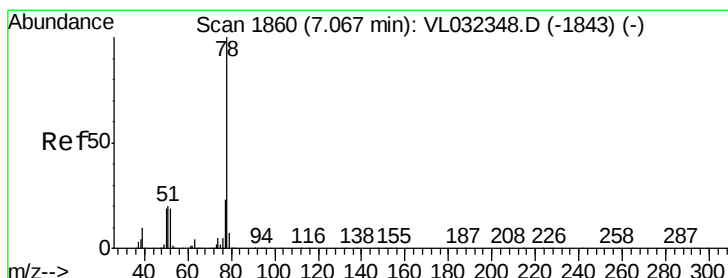
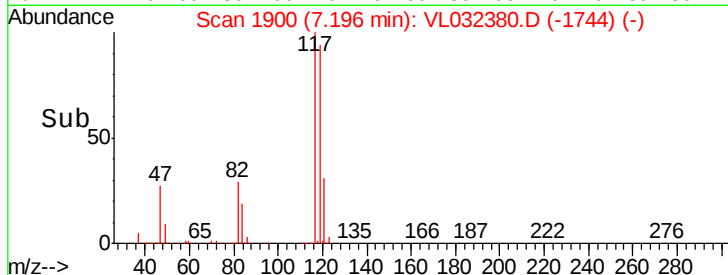
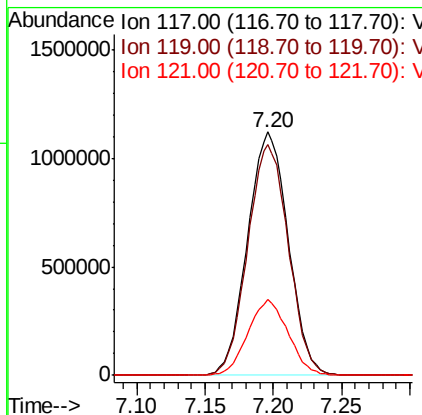
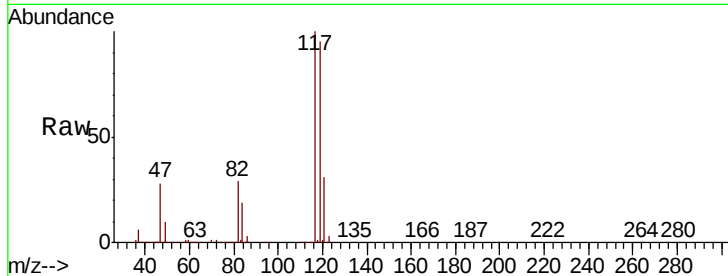
ClientSampleId :

VL0816ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.2	115.8
121	30.9	25.1	37.7

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#36

Benzene

Concen: 9.46 ppbv

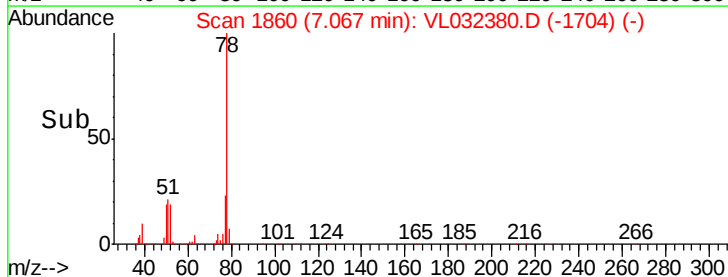
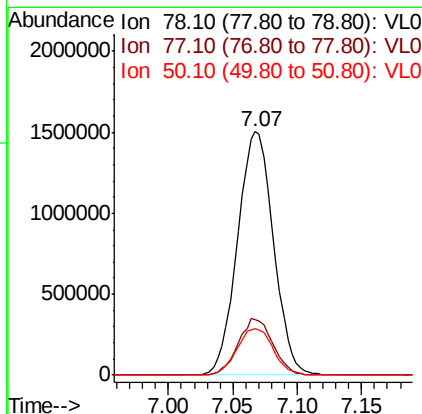
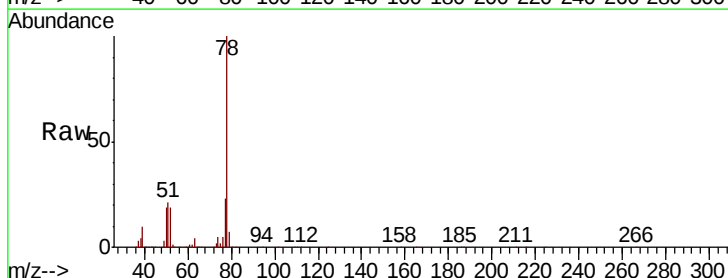
RT: 7.07 min Scan# 1860

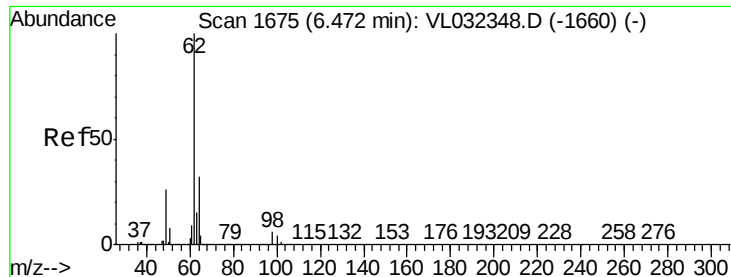
Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	19.1	15.1	22.7





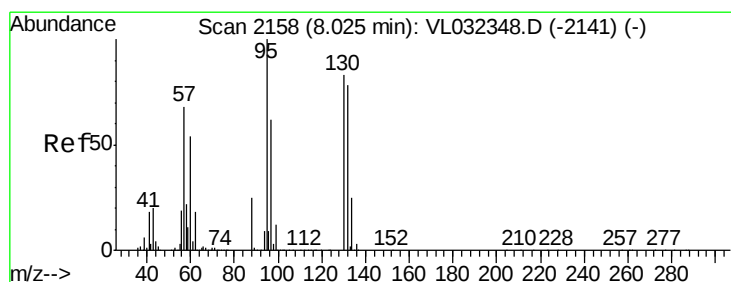
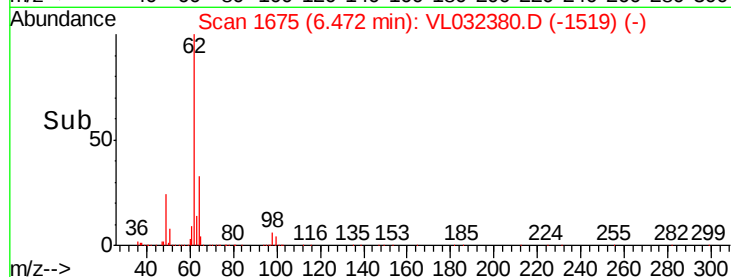
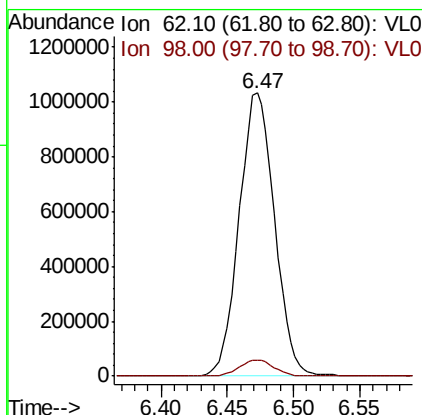
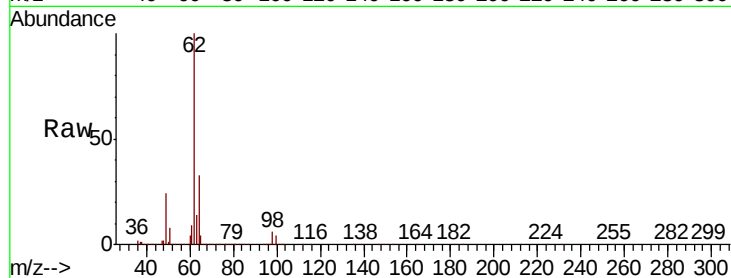
#37
 1,2-Dichloroethane
 Concen: 10.27 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	5.0	7.6

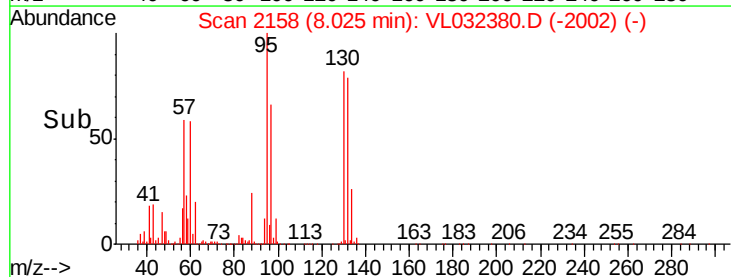
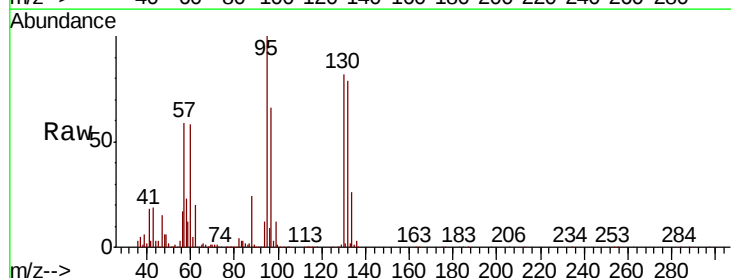
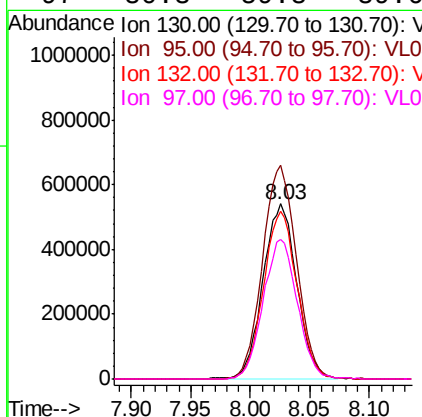
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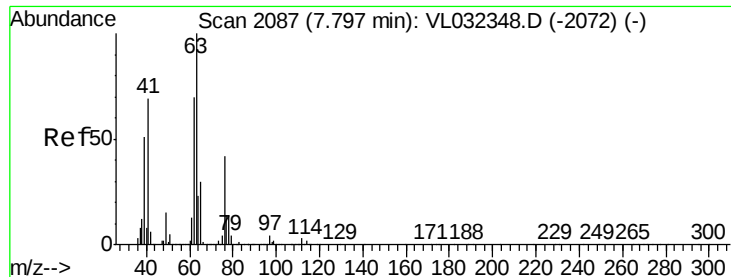
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#38
 Trichloroethene
 Concen: 9.86 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.4	96.6	144.8
132	96.3	75.5	113.3
97	80.3	59.8	89.6





#39

1,2-Dichloropropane

Concen: 9.57 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

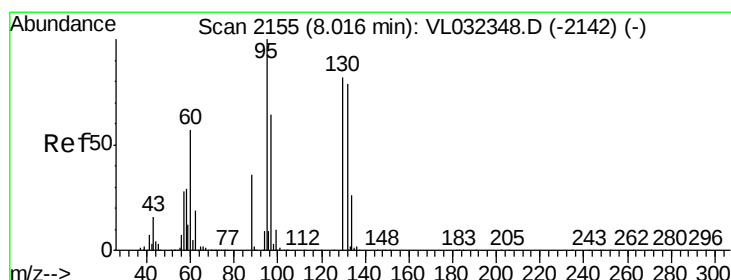
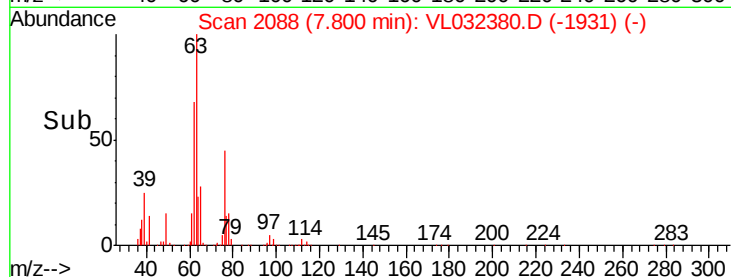
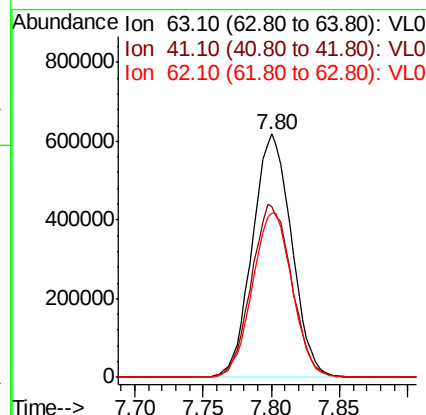
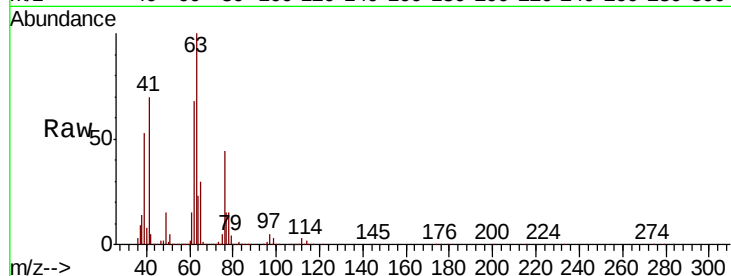
ClientSampleId :

VL0816ABS01

Tot Ion:	63	Resp:	1232955
Ion	Ratio	Lower	Upper
63	100		
41	70.1	55.5	83.3
62	67.6	56.3	84.5

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#40

1,4-Dioxane

Concen: 10.96 ppbv

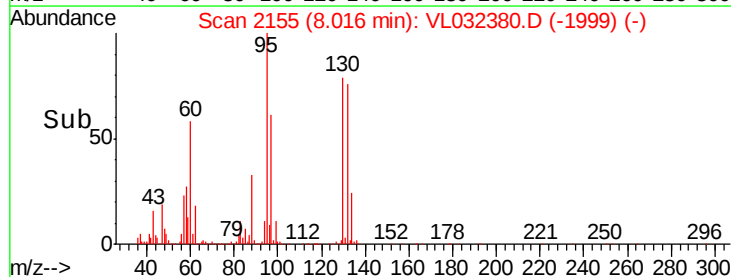
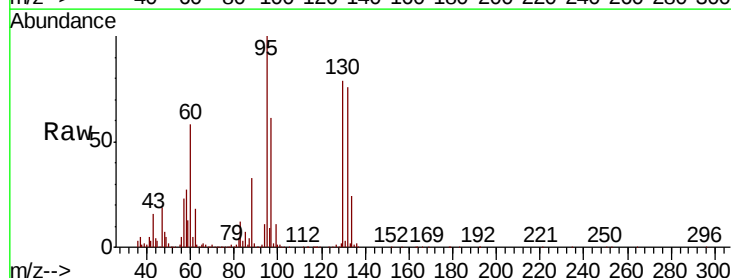
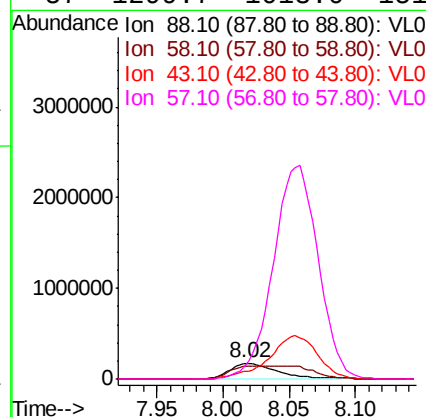
RT: 8.02 min Scan# 2155

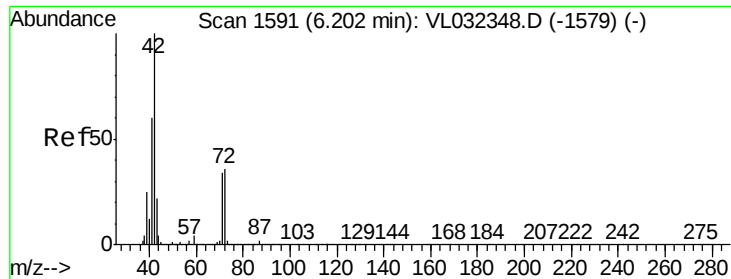
Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion:	88	Resp:	428790
Ion	Ratio	Lower	Upper
88	100		
58	141.5	113.7	170.5
43	287.5	224.0	336.0
57	1299.7	1013.0	1519.6





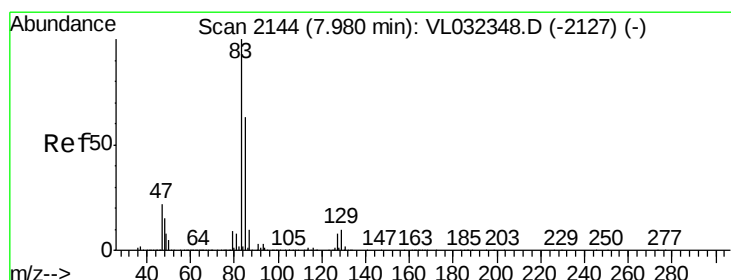
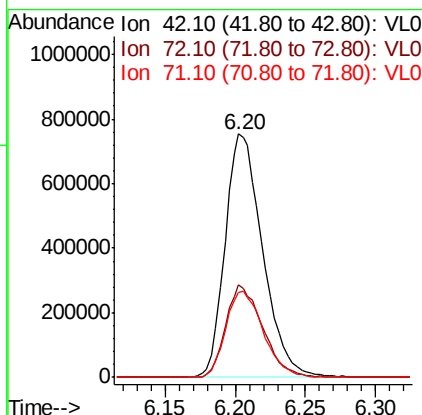
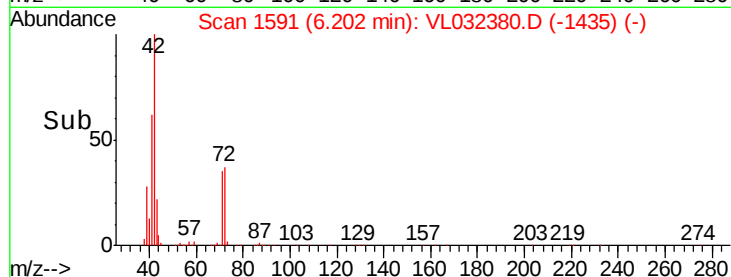
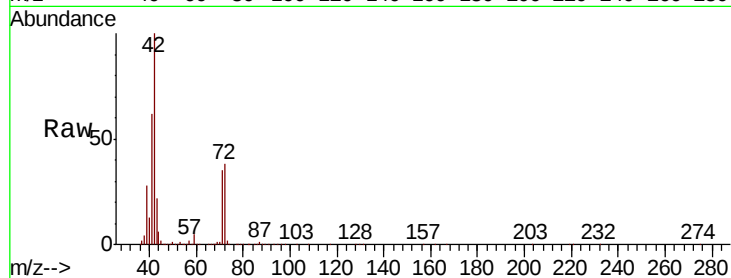
#41
Tetrahydrofuran
Concen: 10.52 ppbv
RT: 6.20 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.8	44.6
71	35.8	28.2	42.2

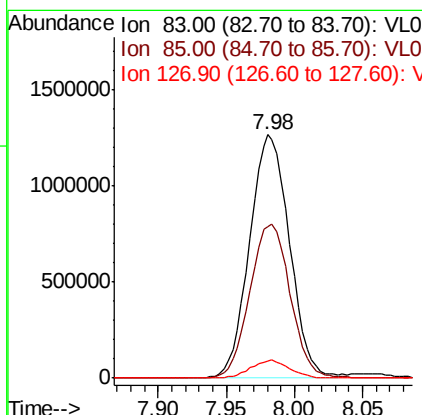
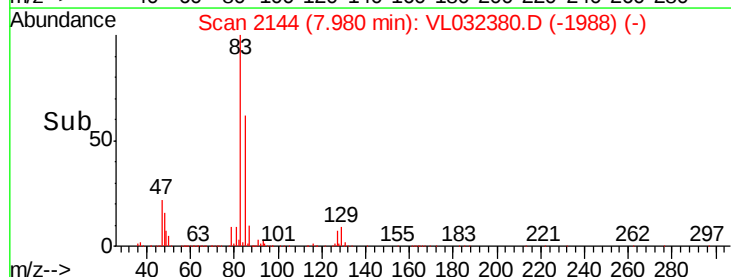
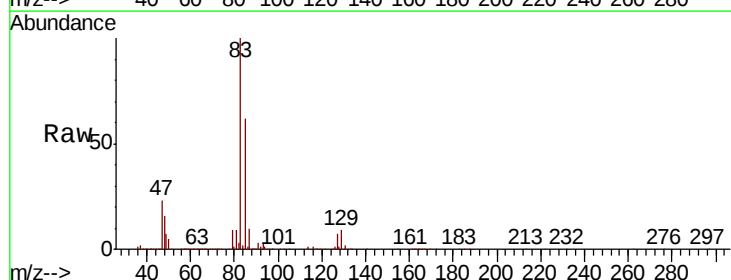
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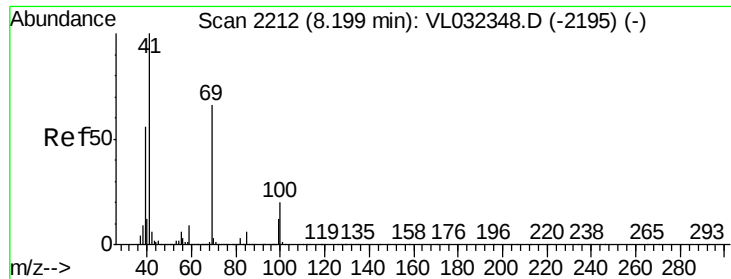
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#42
Bromodichloromethane
Concen: 10.47 ppbv
RT: 7.98 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.4	75.6
127	6.8	6.1	9.1





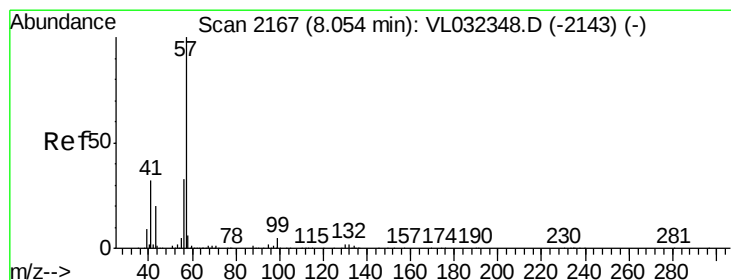
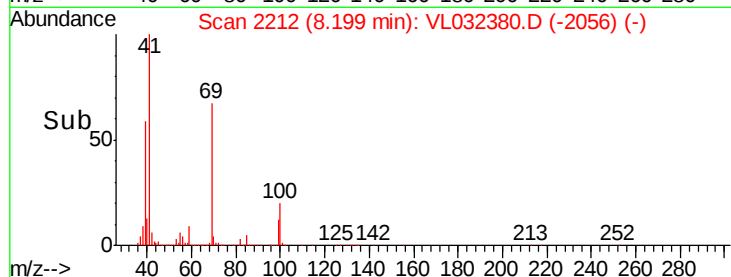
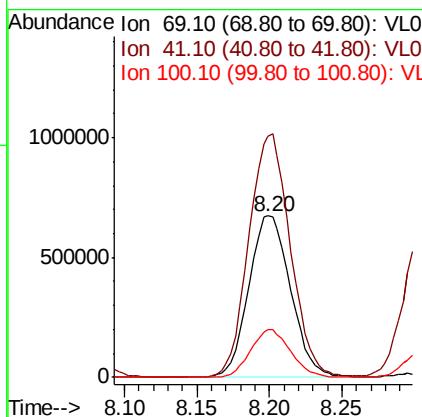
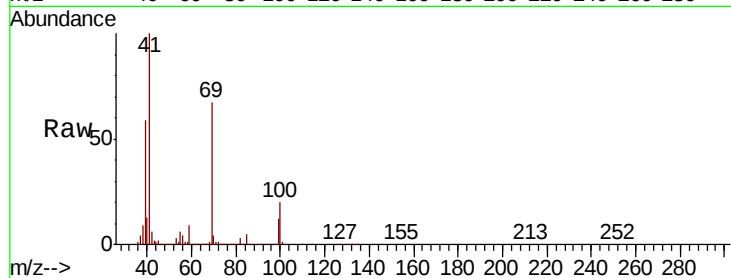
#43
Methvl Methacrvlate
Concen: 11.00 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 69 Resp: 1352156
Ion Ratio Lower Upper
69 100
41 149.3 118.6 177.8
100 28.5 23.4 35.2

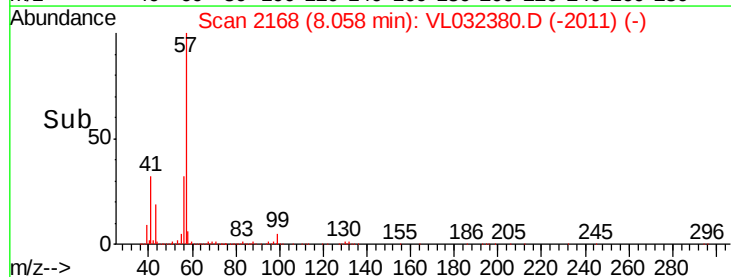
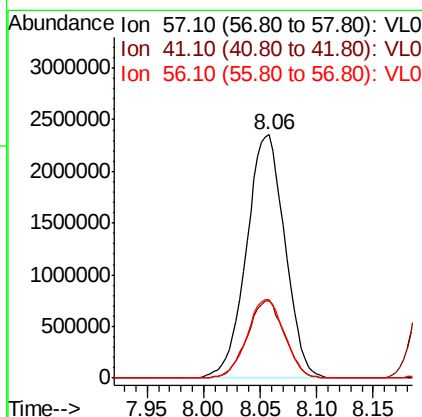
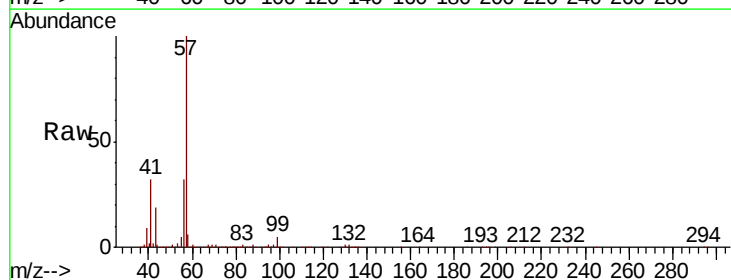
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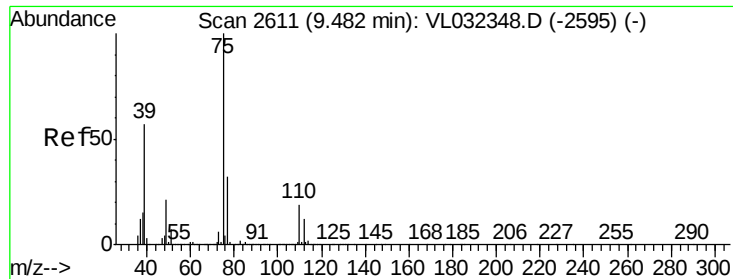
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#44
2,2,4-Trimethylpentane
Concen: 10.00 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 57 Resp: 5560547
Ion Ratio Lower Upper
57 100
41 31.1 24.3 36.5
56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.85 ppbv

RT: 9.48 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 75 Resp: 1841681

Ion Ratio Lower Upper

75 100

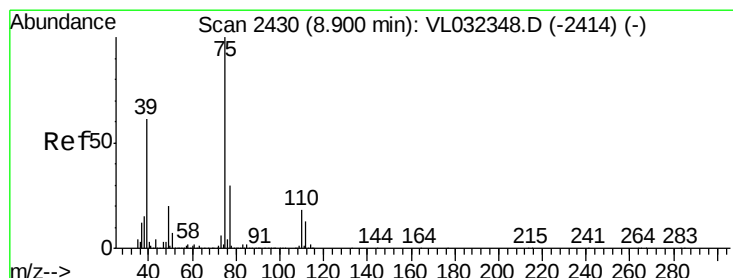
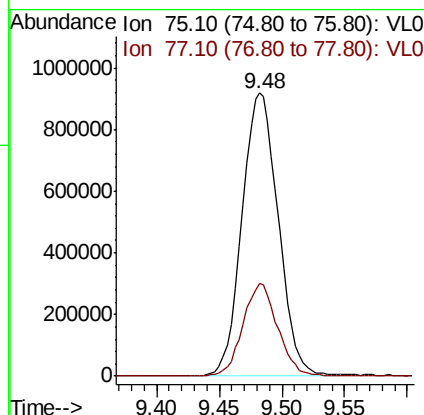
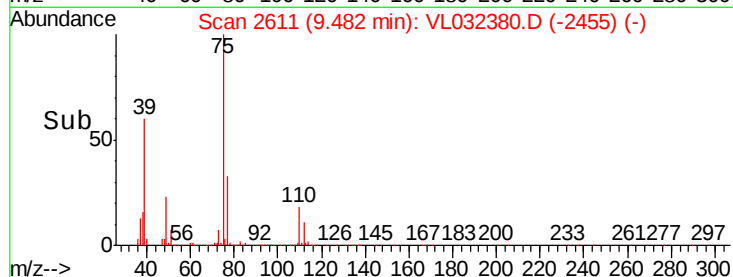
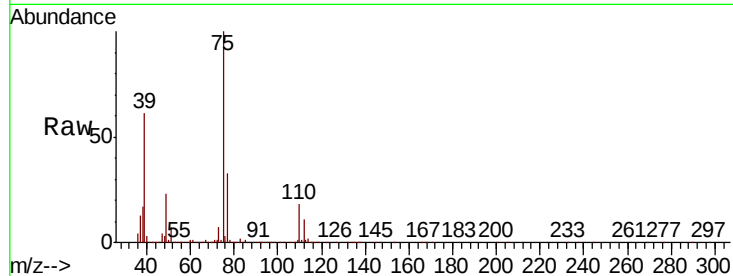
77 32.7 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 11.57 ppbv

RT: 8.90 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

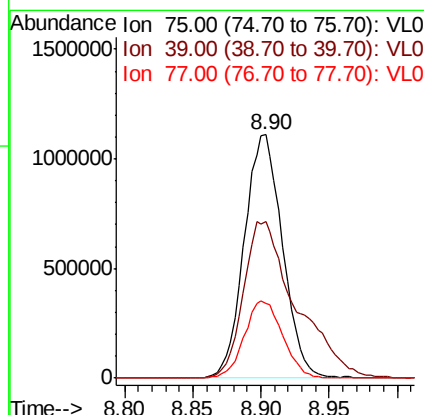
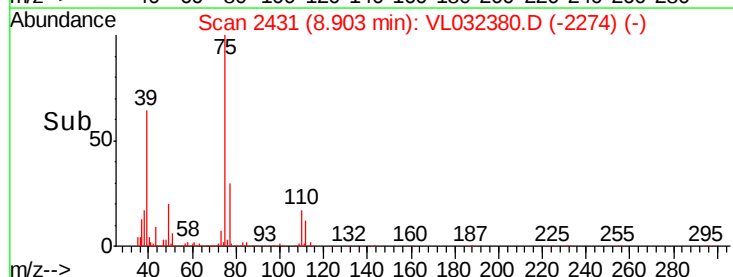
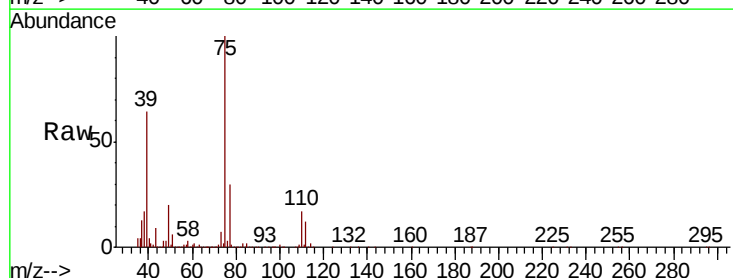
Tgt Ion: 75 Resp: 2156875

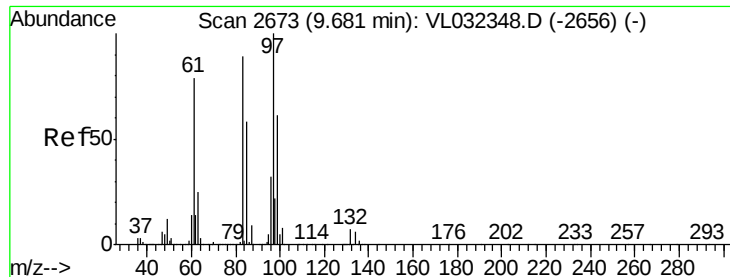
Ion Ratio Lower Upper

75 100

39 64.2 48.5 72.7

77 30.4 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 8.70 ppbv

RT: 9.68 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 97 Resp: 1233357

Ion Ratio Lower Upper

97 100

83 91.5 71.2 106.8

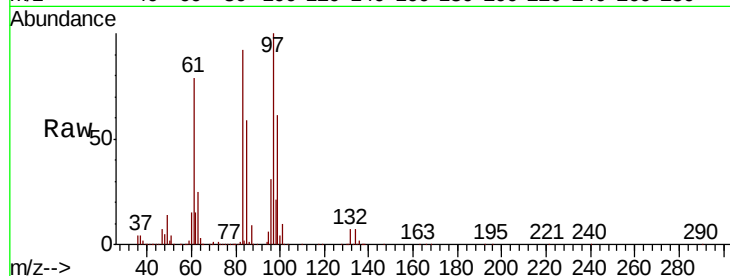
85 58.7 46.6 69.8

99 61.1 49.2 73.8

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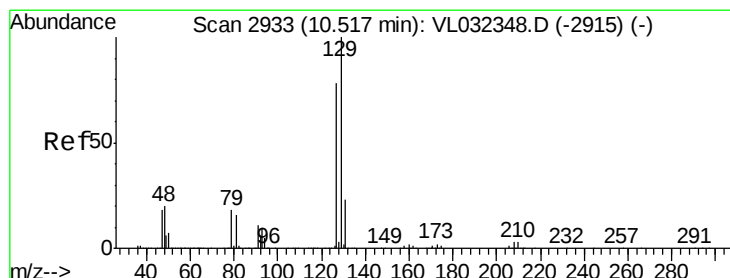
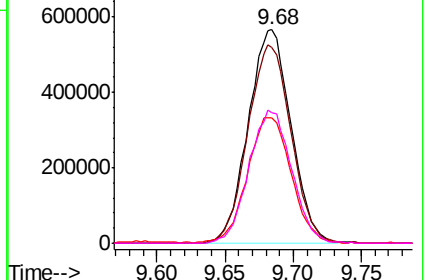
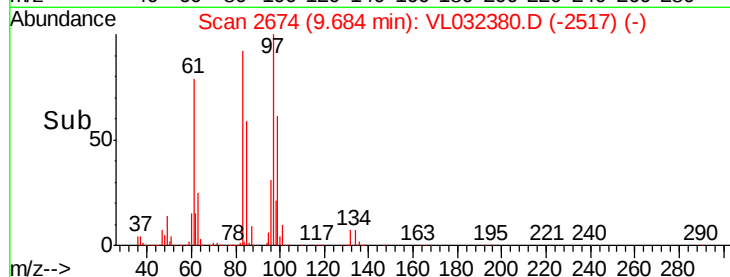


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.07 ppbv

RT: 10.52 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VL032380.D

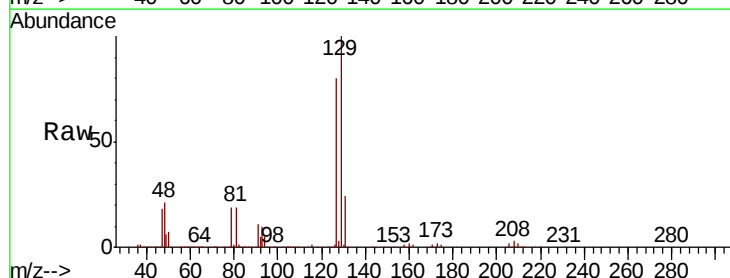
Acq: 16 Aug 2018 17:02

Tgt Ion: 129 Resp: 1908675

Ion Ratio Lower Upper

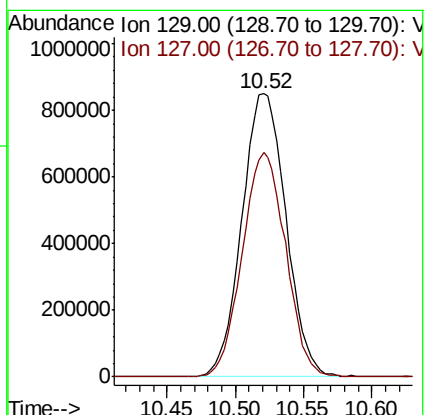
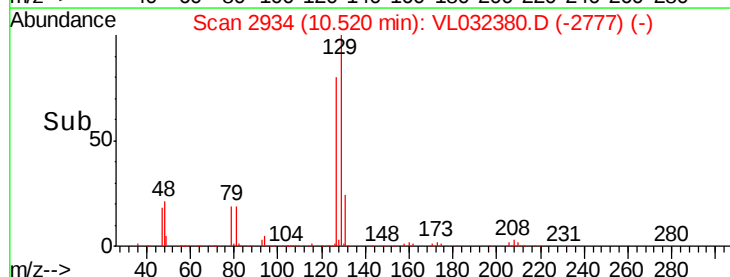
129 100

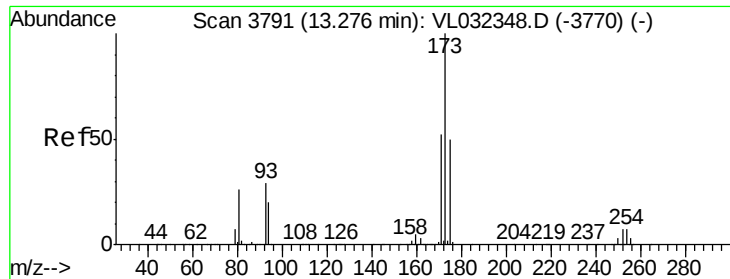
127 78.2 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.23 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:173 Resp: 1611317

Ion Ratio Lower Upper

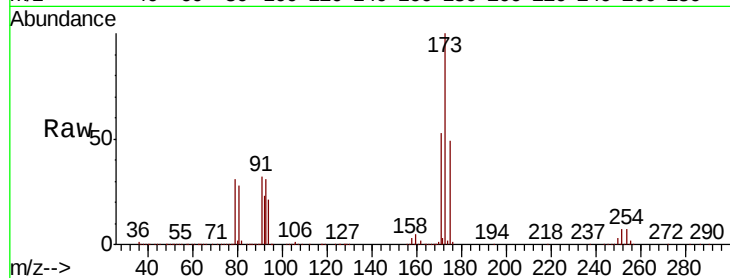
173 100

175 48.5 39.3 58.9

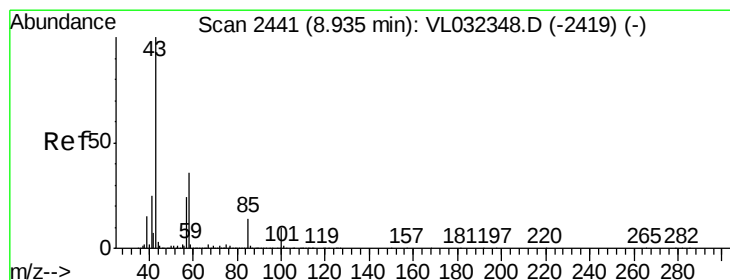
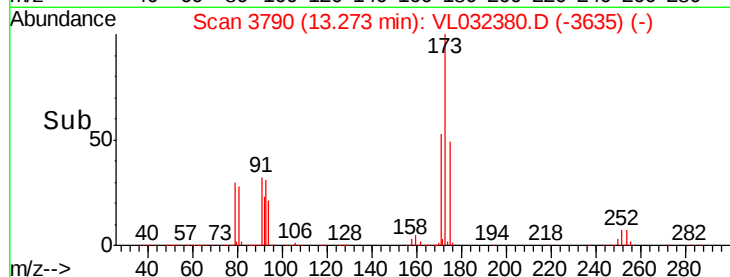
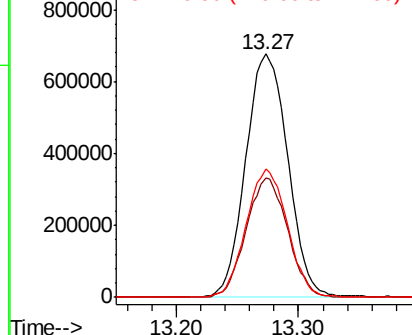
171 52.0 41.9 62.9

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.33 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032380.D

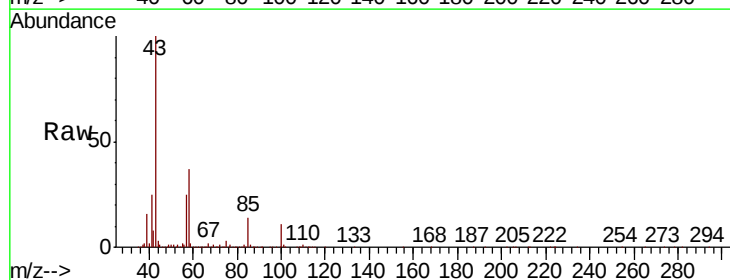
Acq: 16 Aug 2018 17:02

Tgt Ion: 43 Resp: 3695257

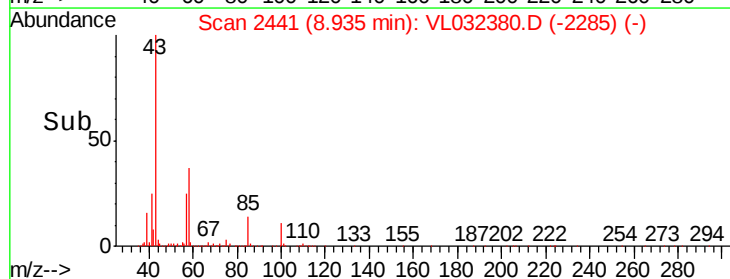
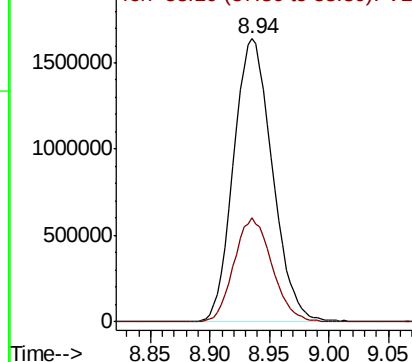
Ion Ratio Lower Upper

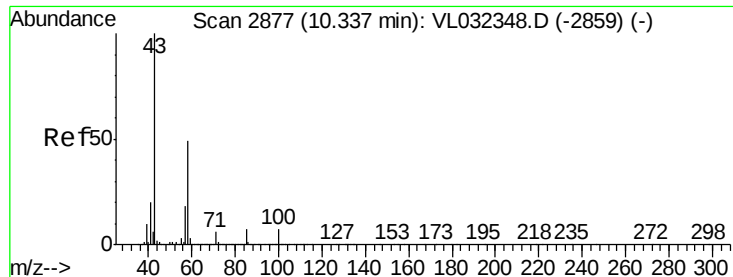
43 100

58 36.2 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





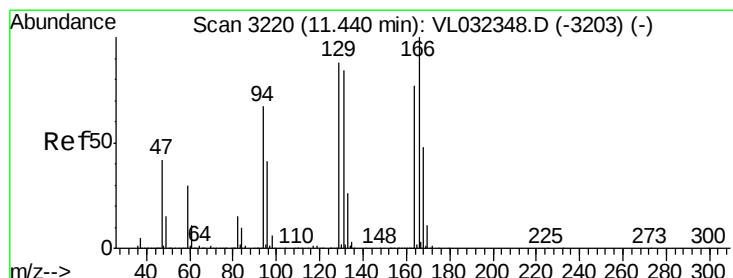
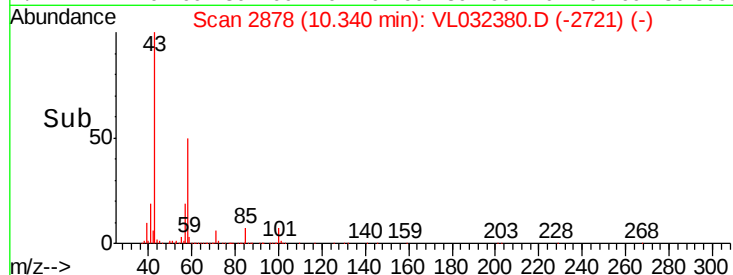
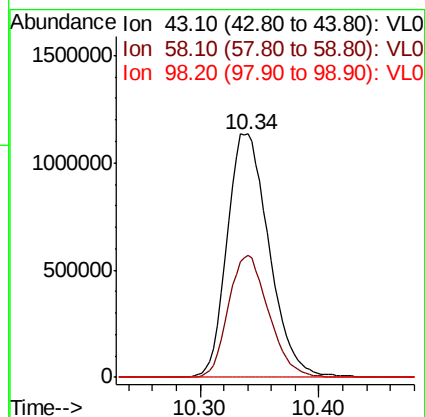
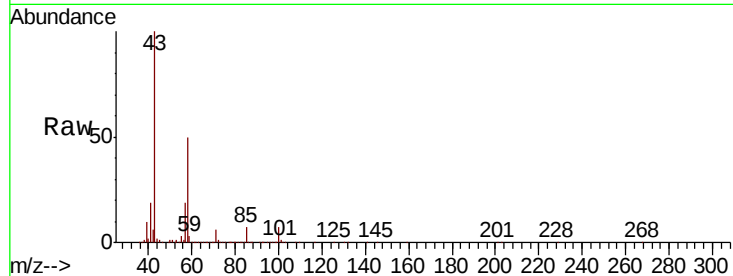
#51
2-Hexanone
Concen: 11.00 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	39.5	59.3
98	0.4	0.3	0.5

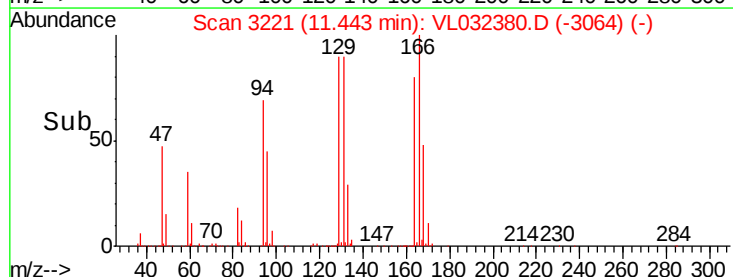
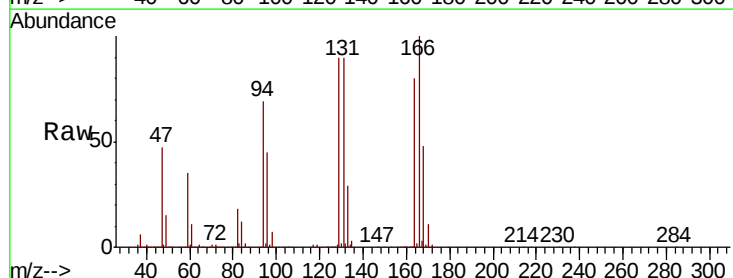
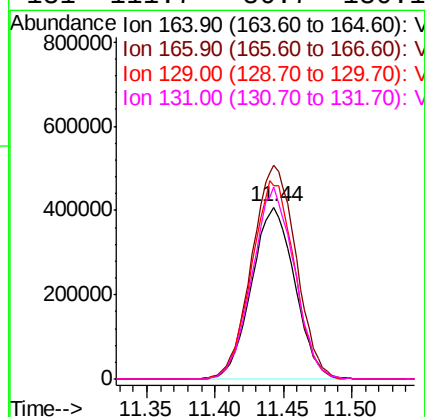
Manual Integrations
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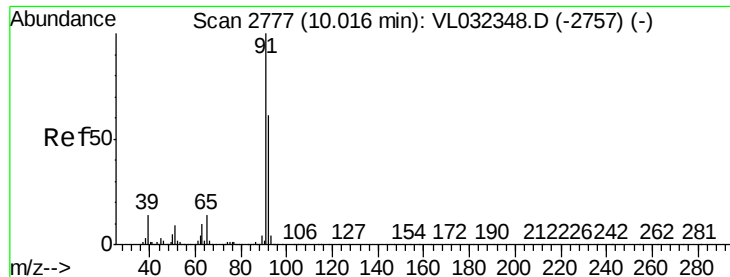
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#52
Tetrachloroethene
Concen: 9.84 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.5	155.3
129	112.4	90.9	136.3
131	111.7	86.7	130.1





#53

Toluene

Concen: 10.21 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 91 Resp: 3450411

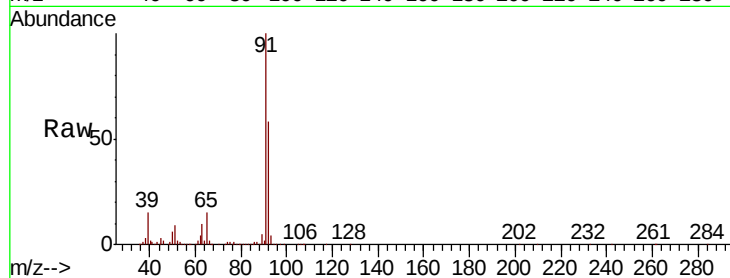
Ion Ratio Lower Upper

91 100

92 60.0 48.7 73.1

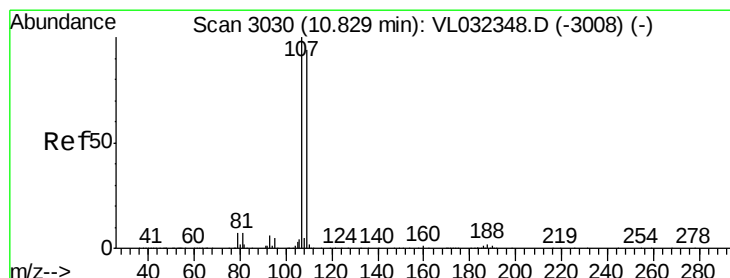
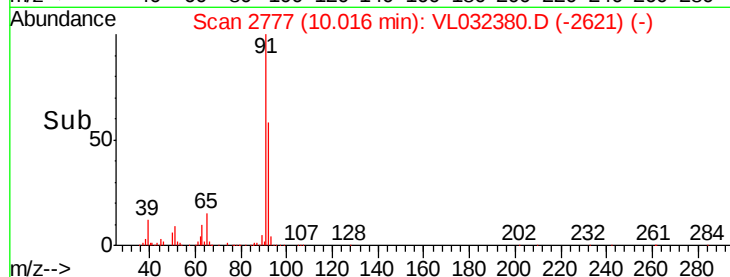
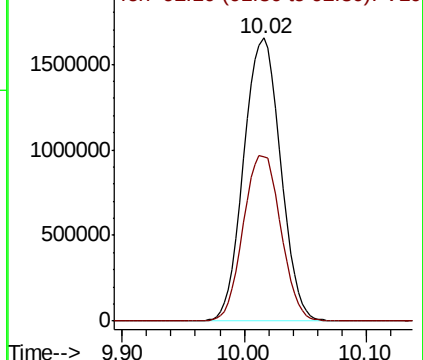
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.00 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032380.D

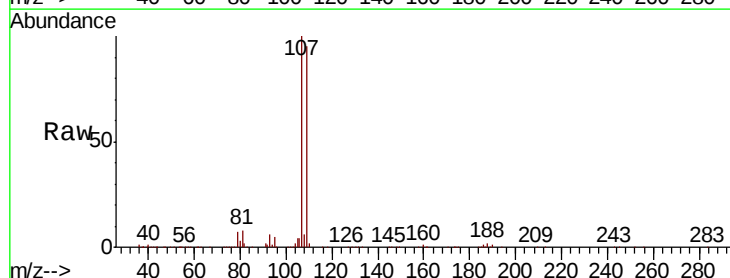
Acq: 16 Aug 2018 17:02

Tgt Ion: 107 Resp: 1820285

Ion Ratio Lower Upper

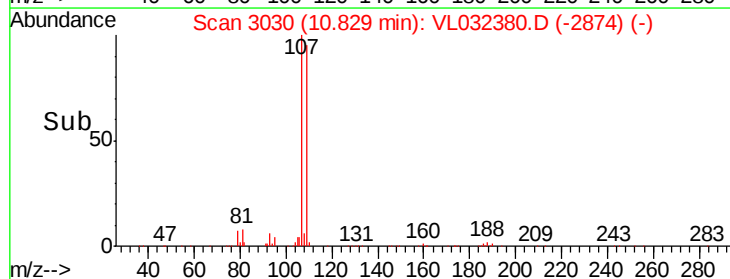
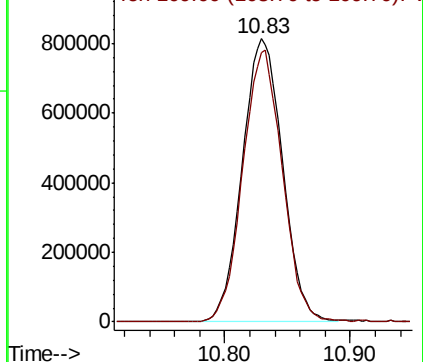
107 100

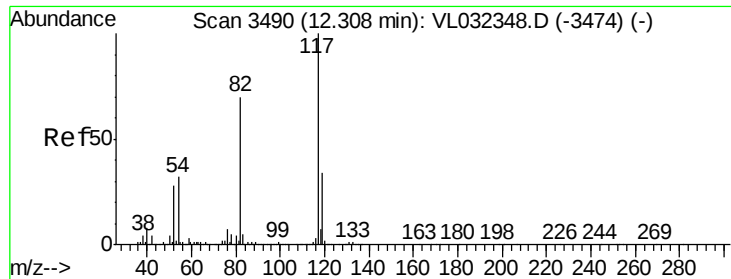
109 95.0 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





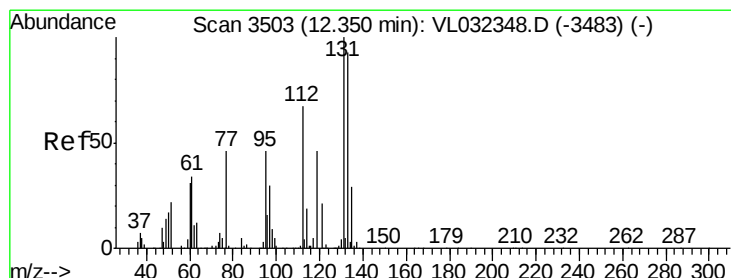
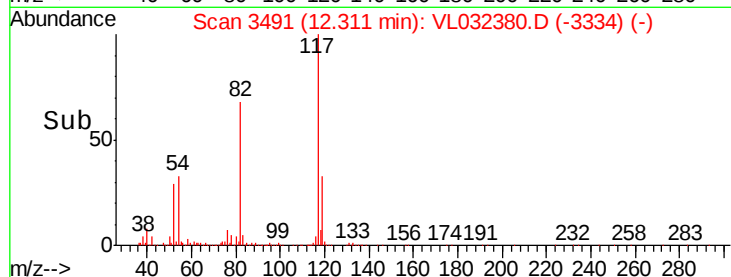
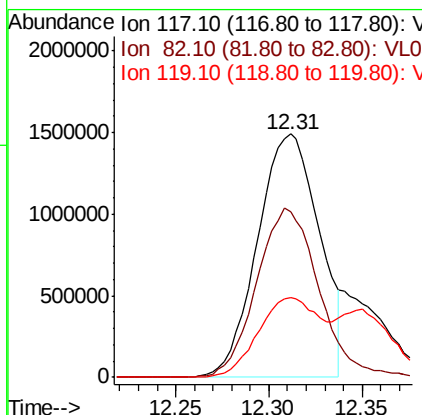
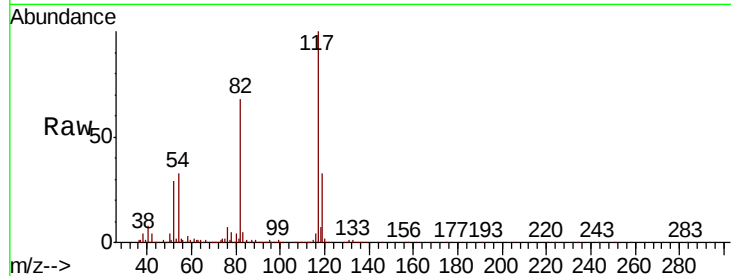
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.6	55.1	82.7
119	58.0	46.0	69.0

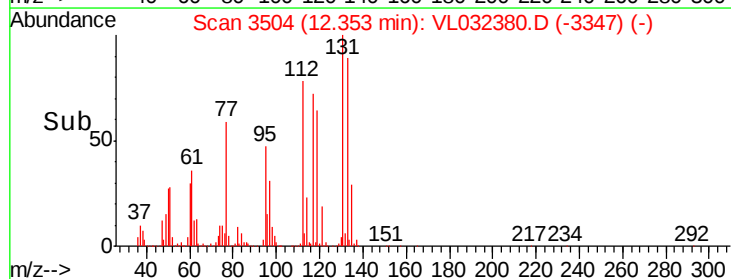
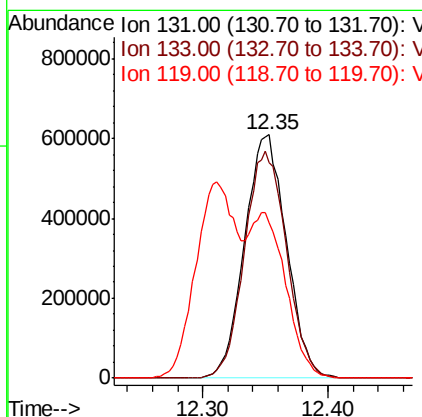
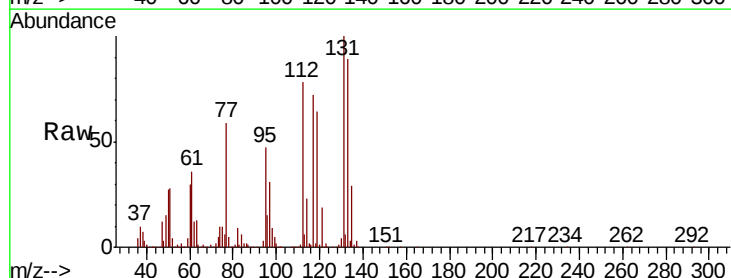
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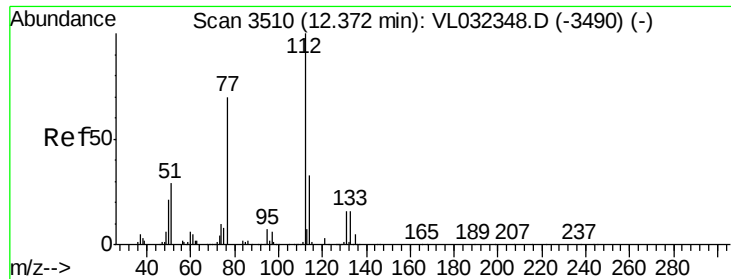
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.92 ppbv
RT: 12.35 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	75.7	113.5
119	58.1	116.0	174.0#





#57

Chlorobenzene

Concen: 9.63 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampled :

VL0816ABS01

Tot Ion:112 Resp: 2485452

Ion Ratio Lower Upper

112 100

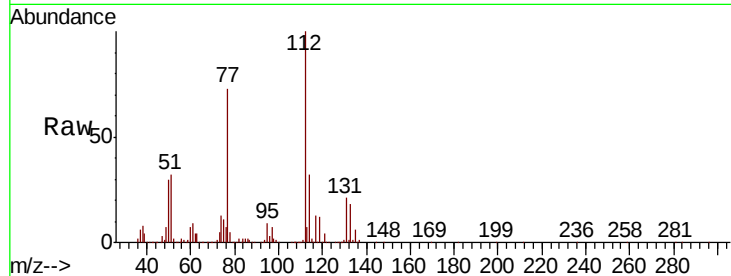
77 73.2 56.6 84.8

114 31.6 29.4 36.0

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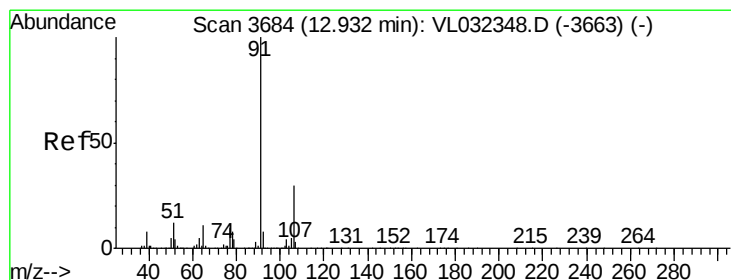
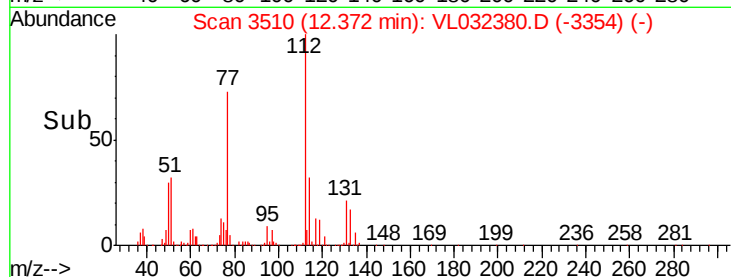
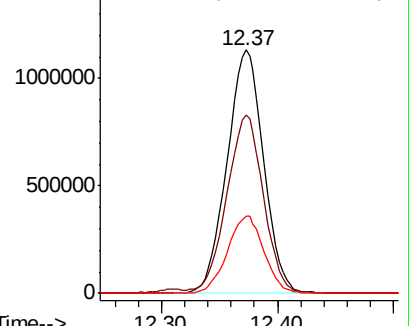
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.19 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032380.D

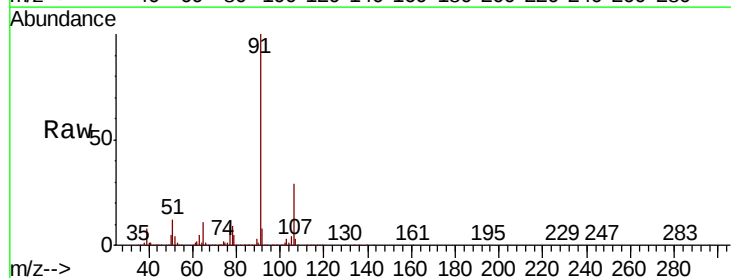
Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 4616944

Ion Ratio Lower Upper

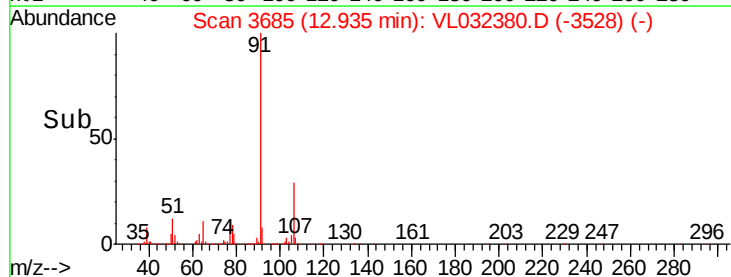
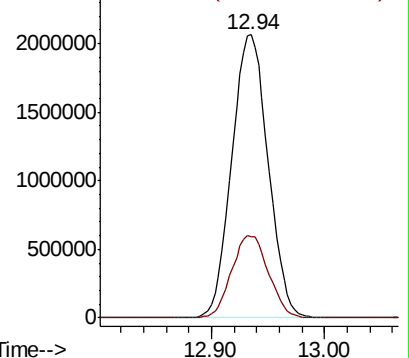
91 100

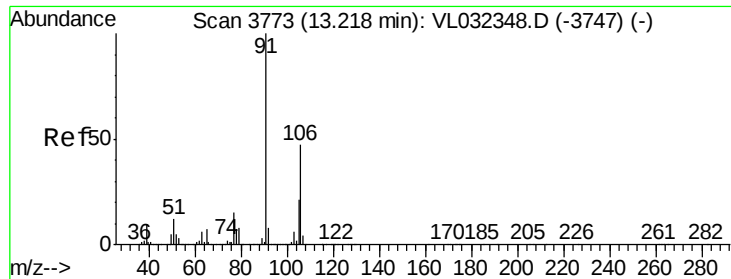
106 28.7 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





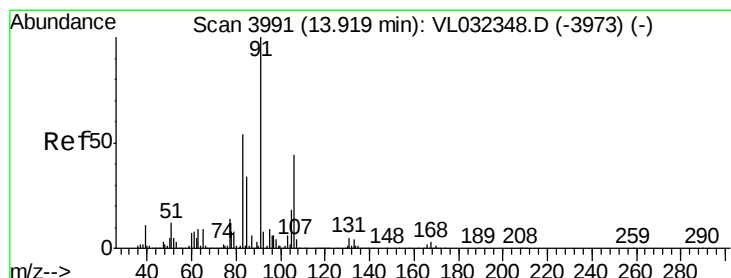
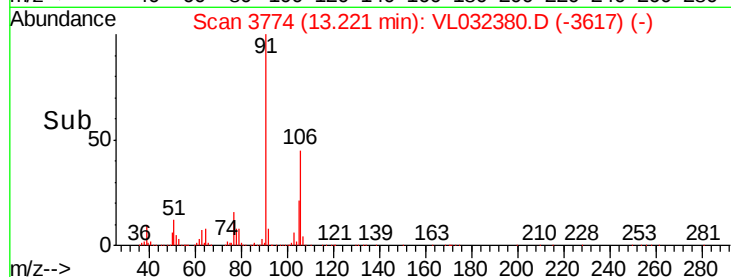
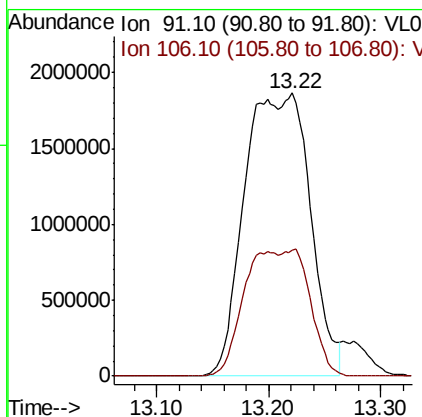
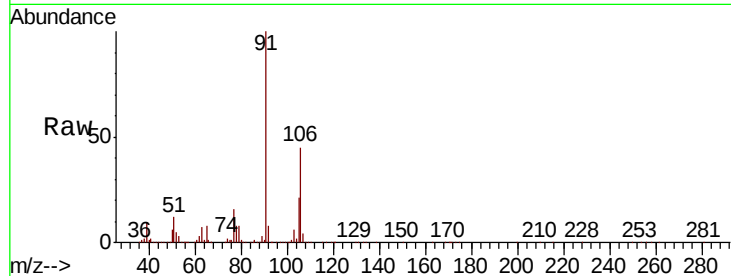
#59
m/p-Xylene
Concen: 21.53 ppbv m
RT: 13.22 min Scan# 3774
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 91 Resp: 7548409
Ion Ratio Lower Upper
91 100
106 44.4 37.0 55.4

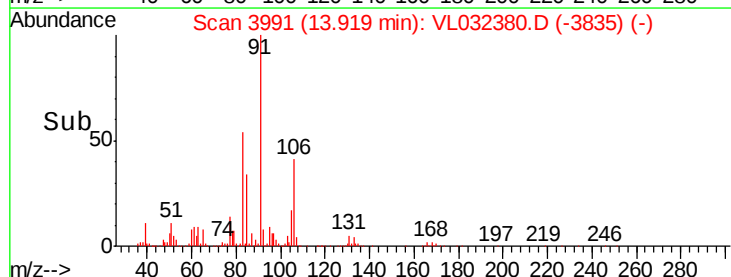
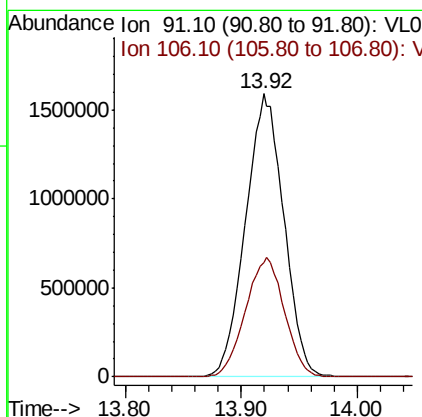
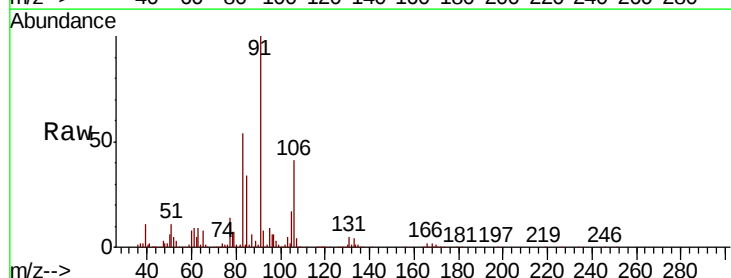
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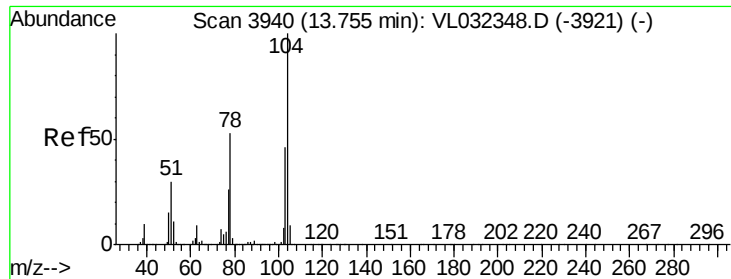
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#60
o-Xylene
Concen: 10.55 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032380.D
Acq: 16 Aug 2018 17:02

Tgt Ion: 91 Resp: 3637131
Ion Ratio Lower Upper
91 100
106 42.9 22.3 66.8





#61

Stvrene

Concen: 11.66 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

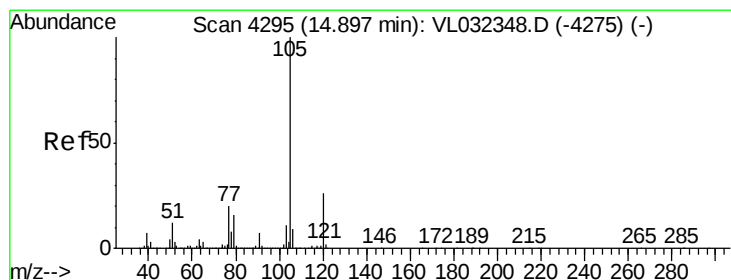
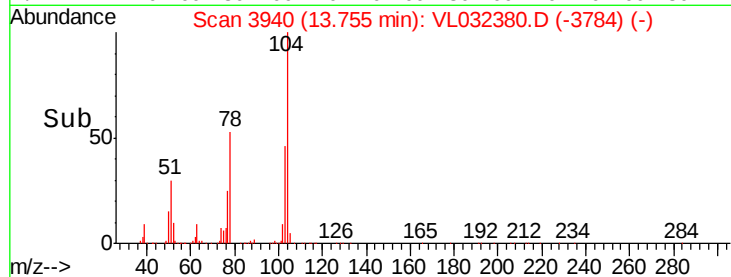
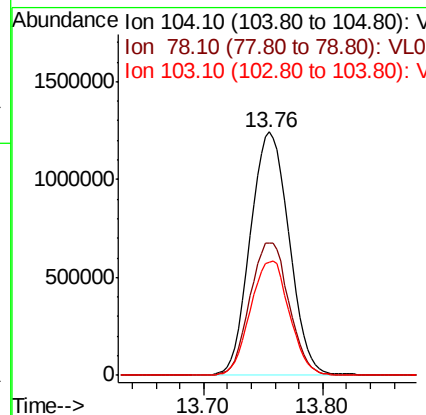
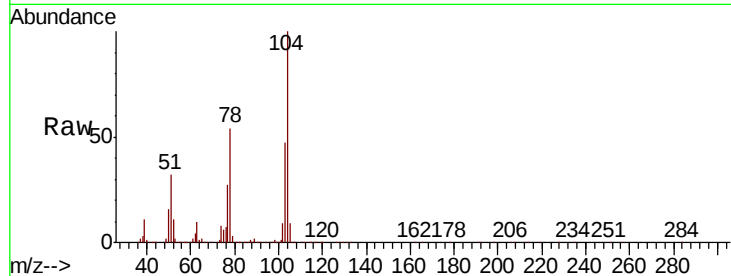
ClientSampleId :

VL0816ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.0	42.6	64.0
103	47.3	38.0	57.0

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#62

Isopropylbenzene

Concen: 10.84 ppbv

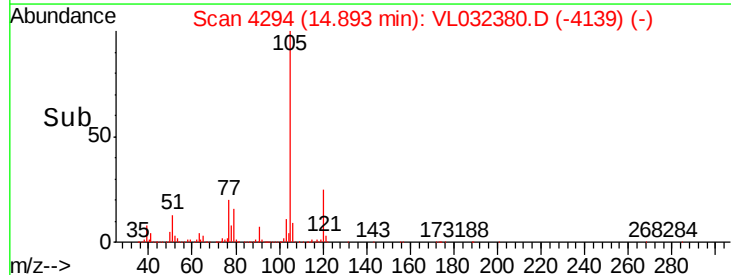
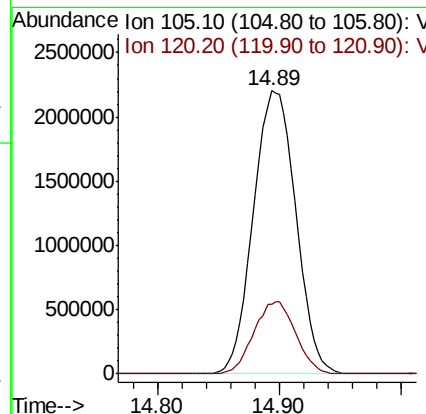
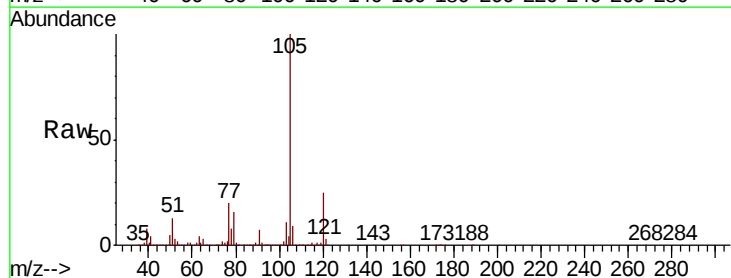
RT: 14.89 min Scan# 4294

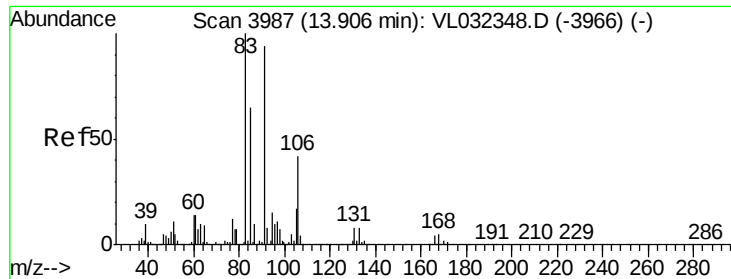
Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	30.8





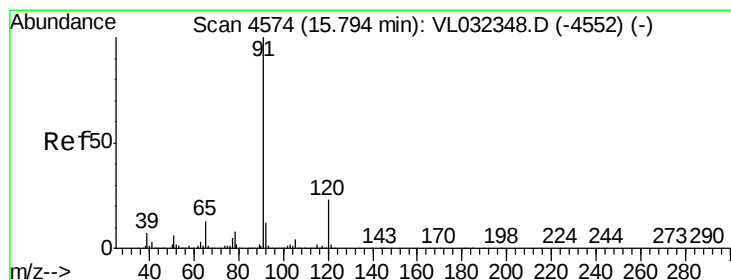
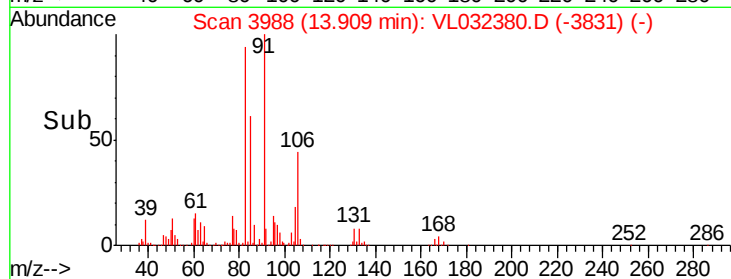
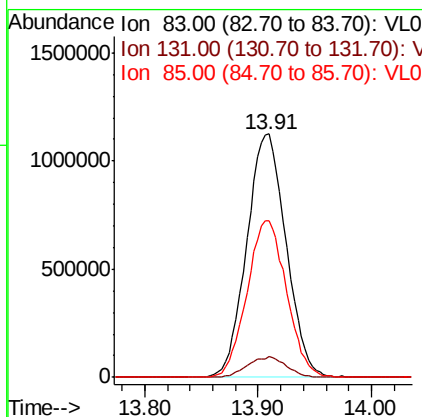
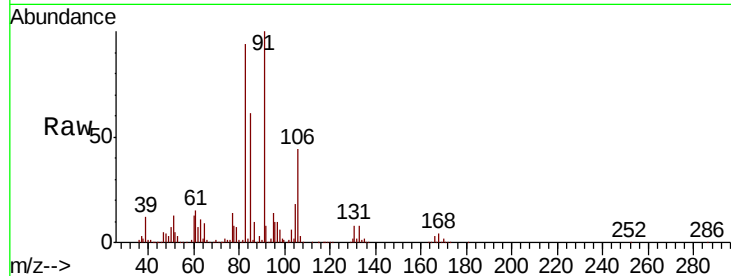
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.39 ppbv
 RT: 13.91 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	12.8
85	64.8	32.4	97.2

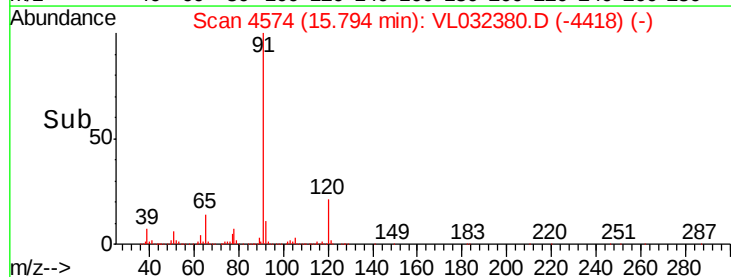
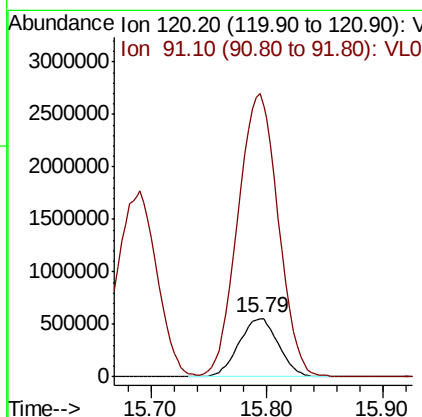
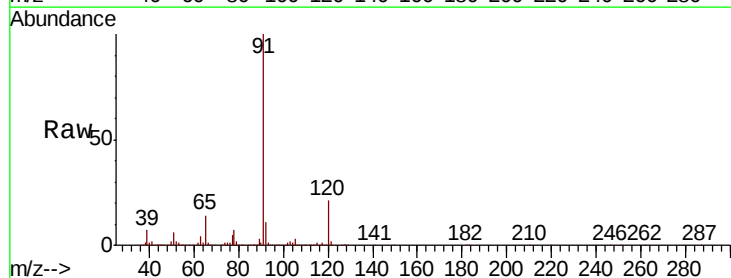
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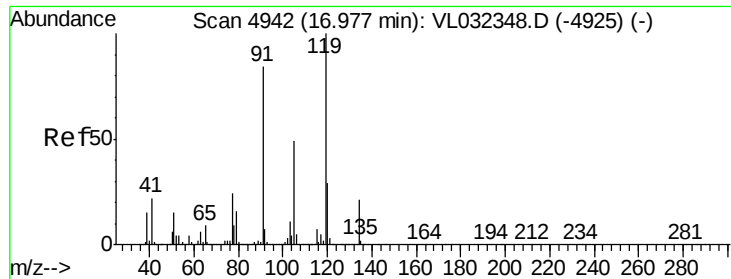
apatel
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#64
 n-propylbenzene
 Concen: 10.40 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
120	100		
91	496.3	382.2	573.2





#65

tert-Butylbenzene

Concen: 9.98 ppbv

RT: 16.98 min Scan# 4942

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:119 Resp: 4183422

Ion Ratio Lower Upper

119 100

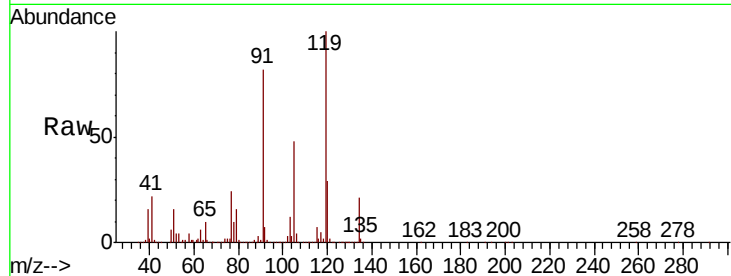
91 86.4 67.4 101.0

134 19.4 15.8 23.6

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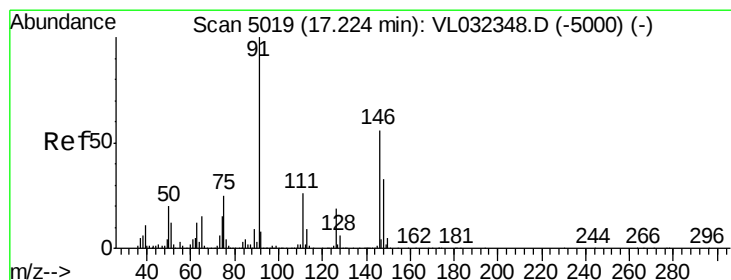
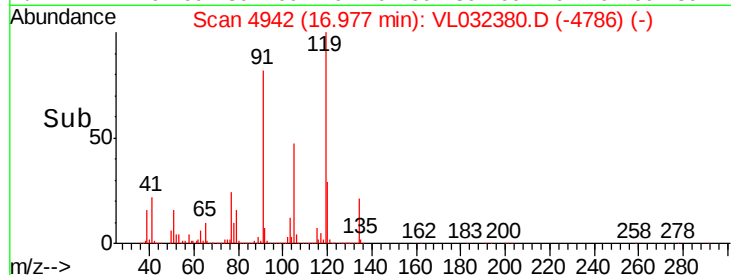
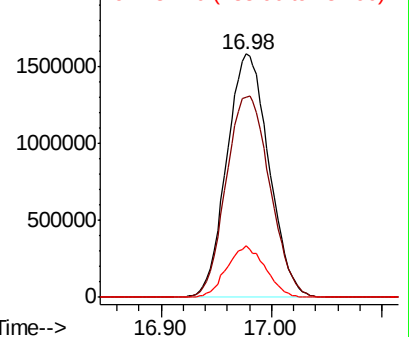
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.29 ppbv

RT: 17.23 min Scan# 5020

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

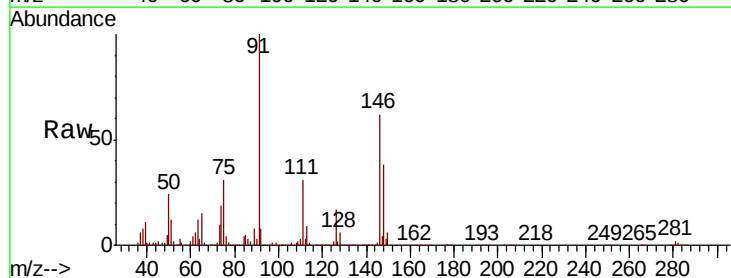
Tgt Ion: 91 Resp: 2801149

Ion Ratio Lower Upper

91 100

126 16.9 14.2 21.4

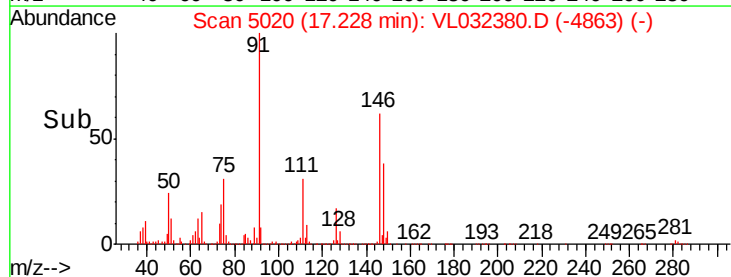
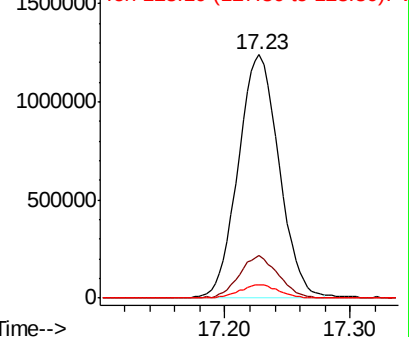
128 5.3 4.5 6.7

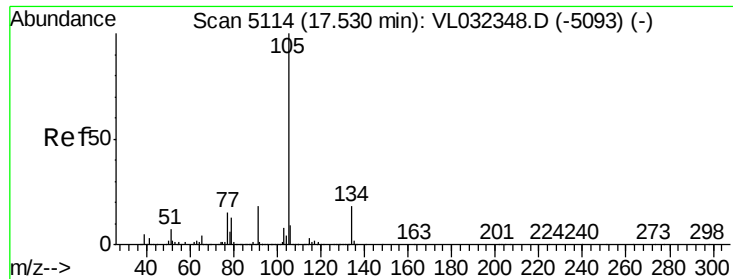


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.23 ppbv

RT: 17.53 min Scan# 5113

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 105 Resp: 6373436

Ion Ratio Lower Upper

105 100

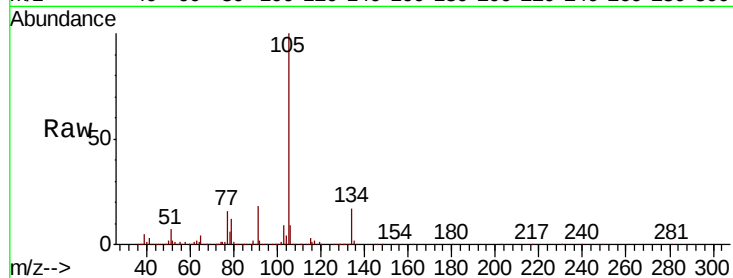
134 17.4 14.4 21.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

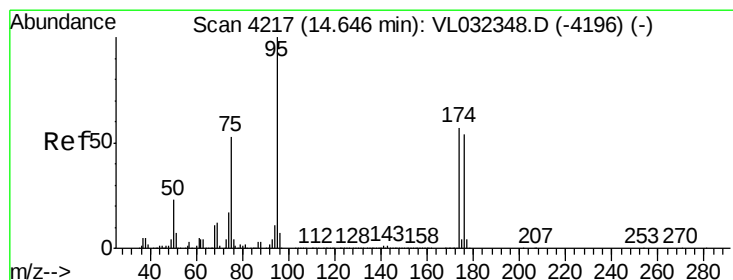
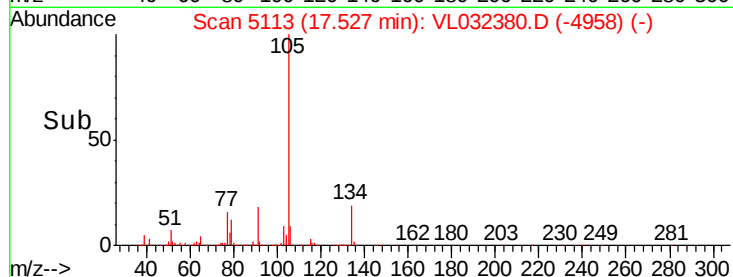
1000000

500000

0

17.40 17.50 17.60

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.82 ppbv

RT: 14.65 min Scan# 4218

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

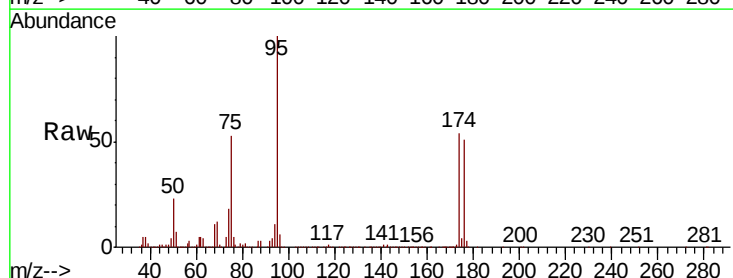
Tgt Ion: 95 Resp: 2831850

Ion Ratio Lower Upper

95 100

174 55.8 46.2 69.4

175 4.1 3.4 5.0



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

1500000

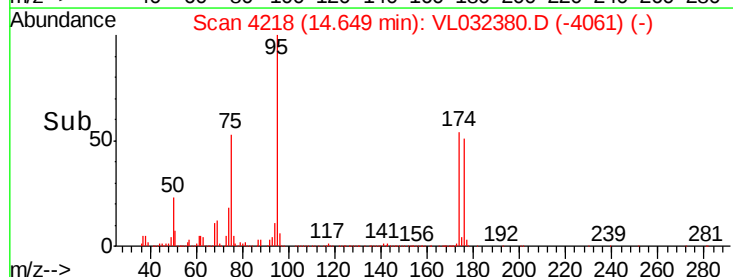
1000000

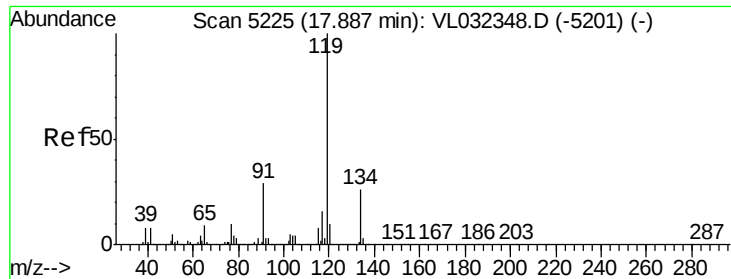
500000

0

14.60 14.70

Time-->





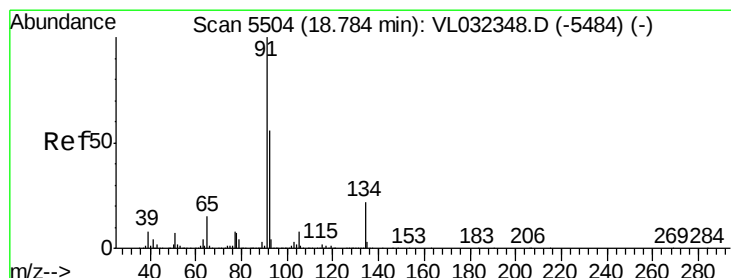
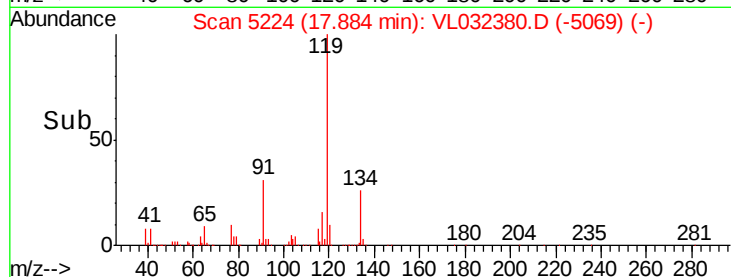
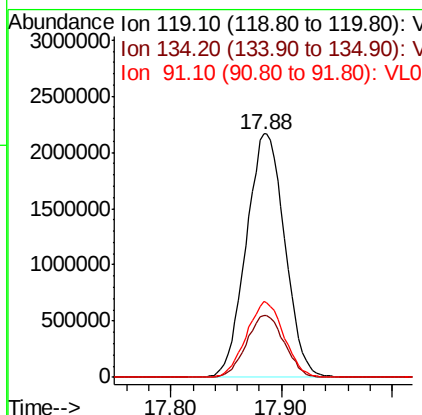
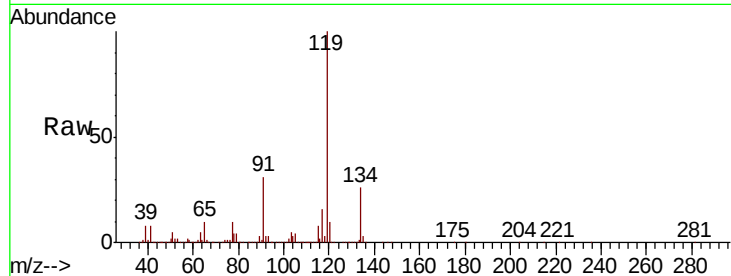
#69
 p-Isopropyltoluene
 Concen: 10.97 ppbv
 RT: 17.88 min Scan# 5224
 Delta R.T. -0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	30.3	23.6	35.4

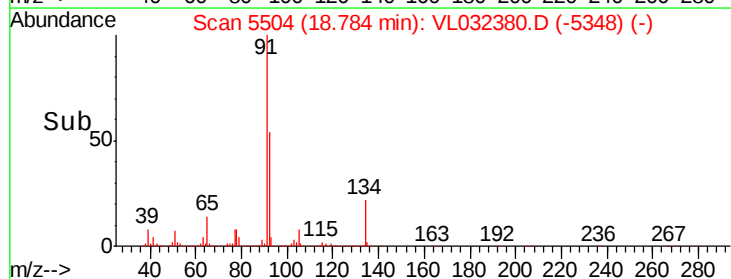
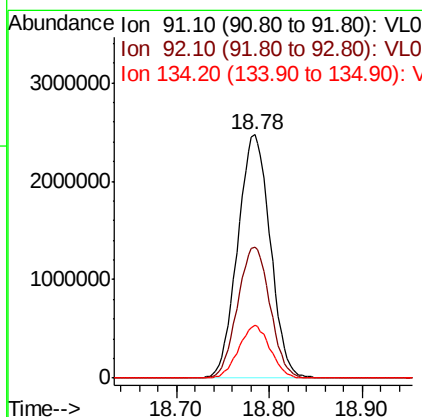
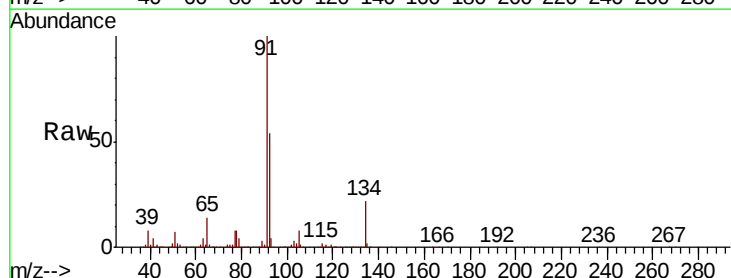
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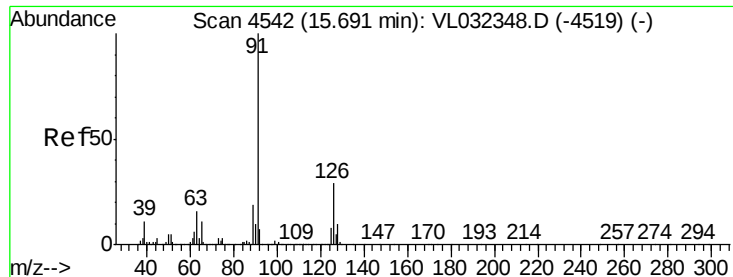
apatel
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#70
 n-Butylbenzene
 Concen: 11.48 ppbv
 RT: 18.78 min Scan# 5504
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.9	65.9
134	21.0	17.3	25.9





#71

2-Chlorotoluene

Concen: 11.01 ppbv

RT: 15.69 min Scan# 4542

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 91 Resp: 4179959

Ion Ratio Lower Upper

91 100

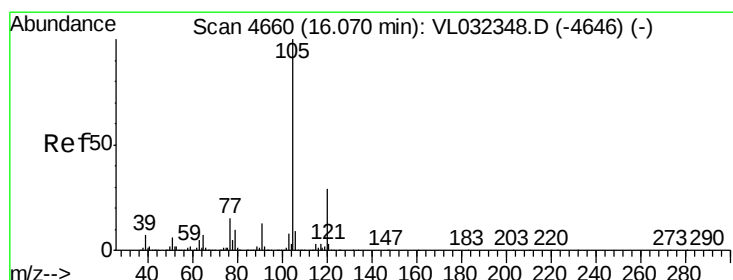
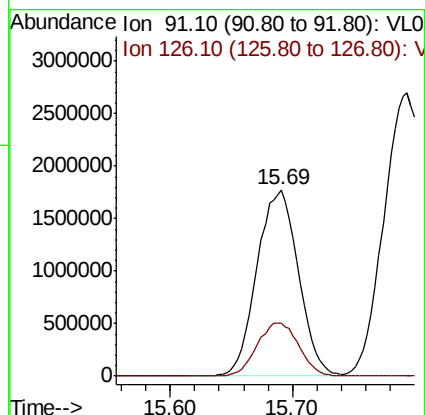
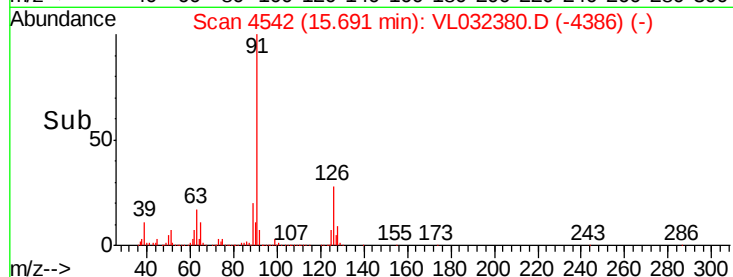
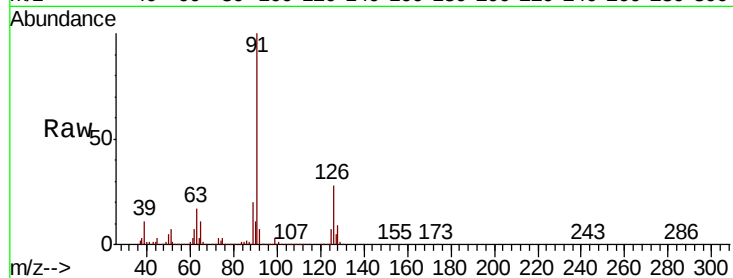
126 28.9 11.8 47.2

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#72

4-Ethyltoluene

Concen: 11.11 ppbv

RT: 16.07 min Scan# 4660

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion:105 Resp: 4269610

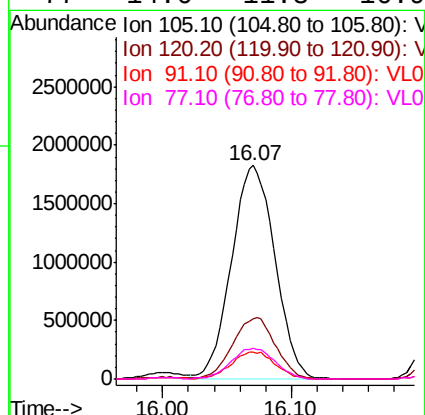
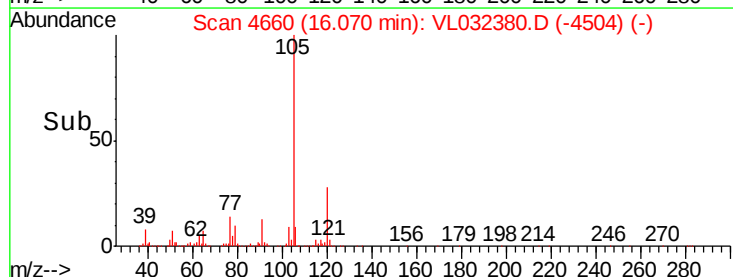
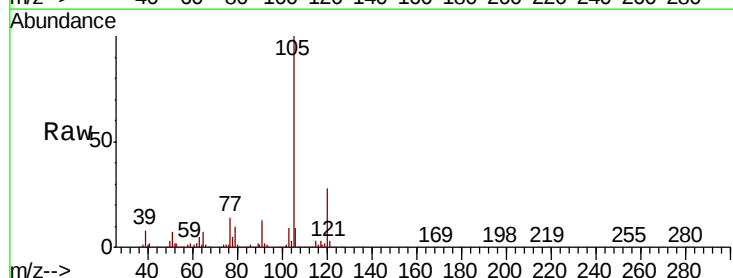
Ion Ratio Lower Upper

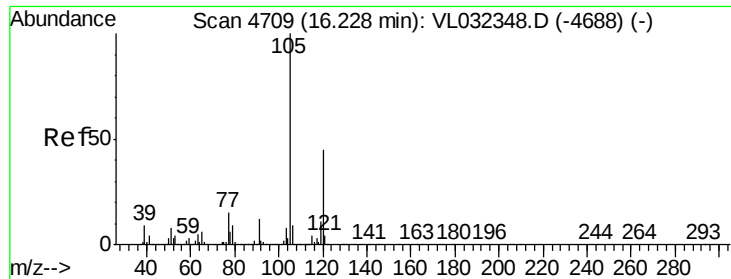
105 100

120 28.5 23.4 35.0

91 13.5 10.0 15.0

77 14.6 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 10.85 ppbv

RT: 16.23 min Scan# 4710

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:105 Resp: 4011750

Ion Ratio Lower Upper

105 100

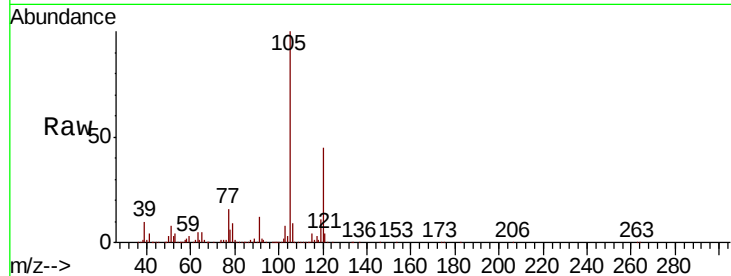
120 44.8 36.3 54.5

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.23

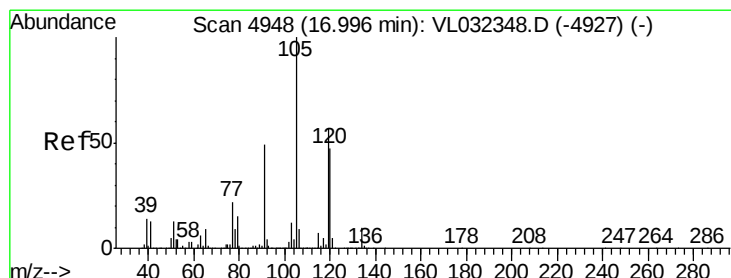
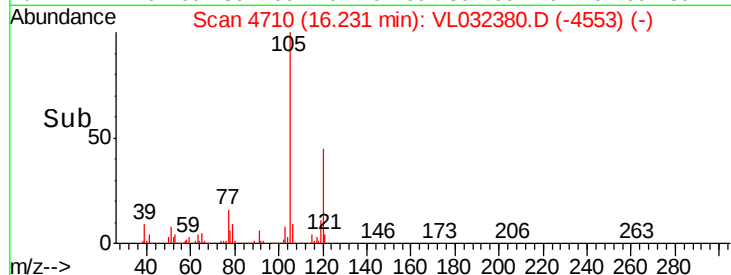
1500000

1000000

500000

0

Time--> 16.10 16.20 16.30



#74

1,2,4-Trimethylbenzene

Concen: 10.17 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion:105 Resp: 4000937

Ion Ratio Lower Upper

105 100

120 45.4 37.6 56.4

91 49.6 39.9 59.9

77 22.6 17.8 26.8

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

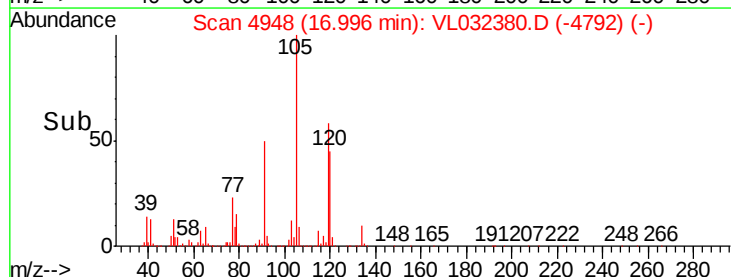
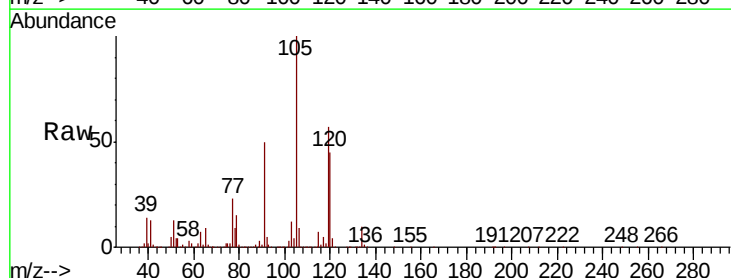
1500000

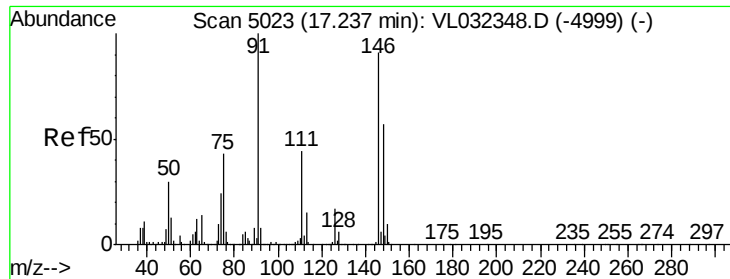
1000000

500000

0

Time--> 16.90 17.00 17.10





#75

1,3-Dichlorobenzene

Concen: 9.39 ppbv

RT: 17.23 min Scan# 5022

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

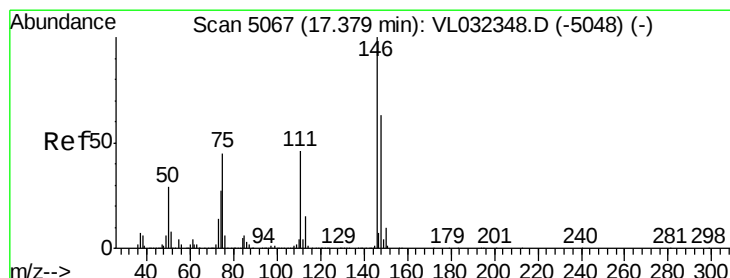
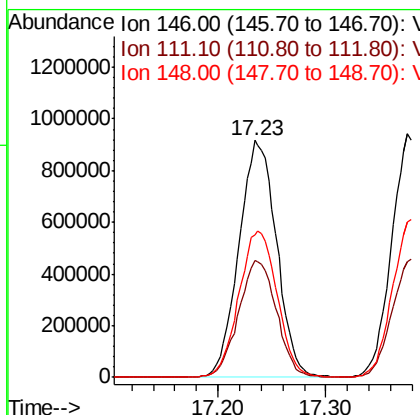
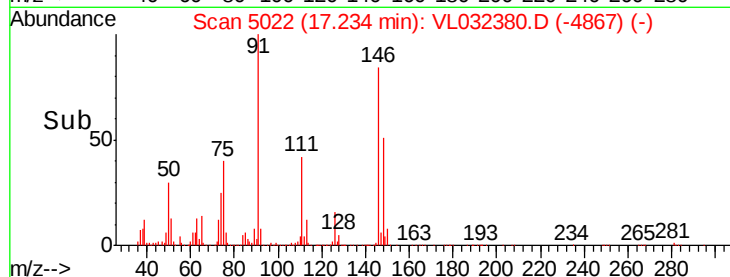
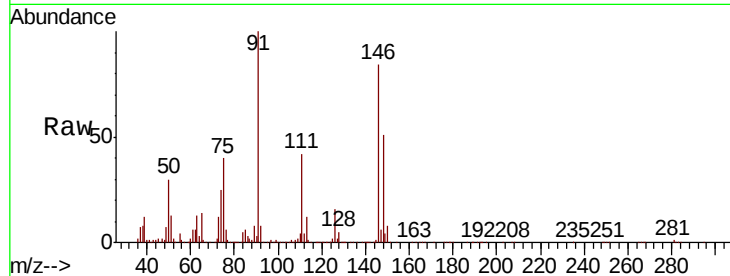
ClientSampleId :

VL0816ABS01

Tot Ion:	146	Resp:	2220137
Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.6	73.8
148	63.1	32.0	96.0

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#76

1,4-Dichlorobenzene

Concen: 10.07 ppbv

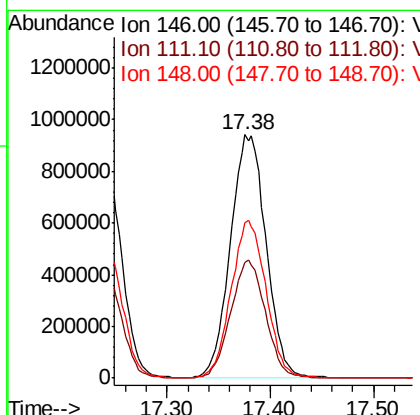
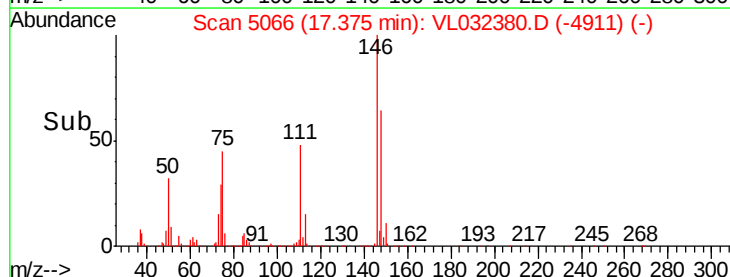
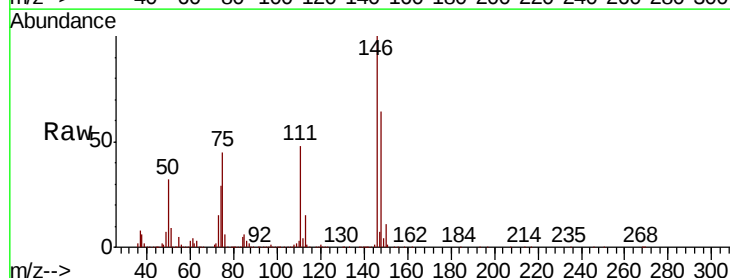
RT: 17.38 min Scan# 5066

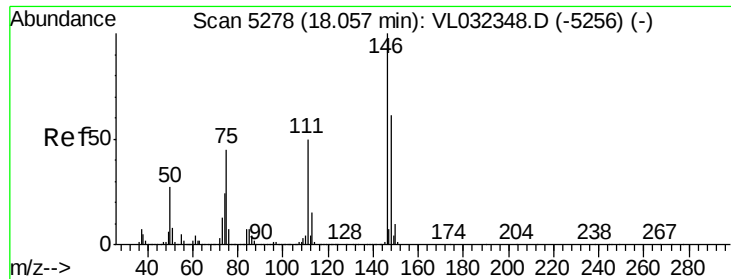
Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Tgt Ion:	146	Resp:	2255043
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.4
148	63.7	32.2	96.6





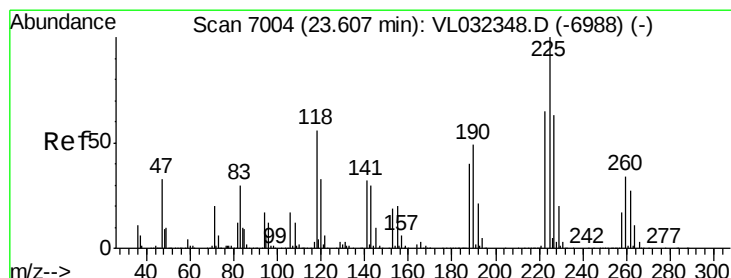
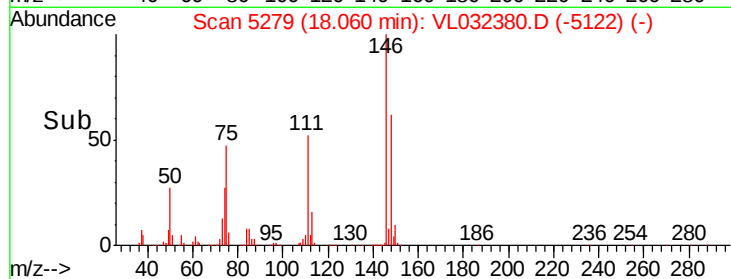
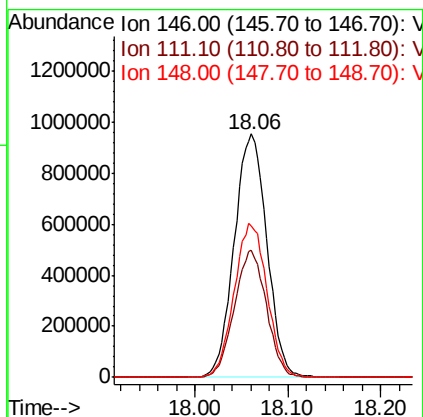
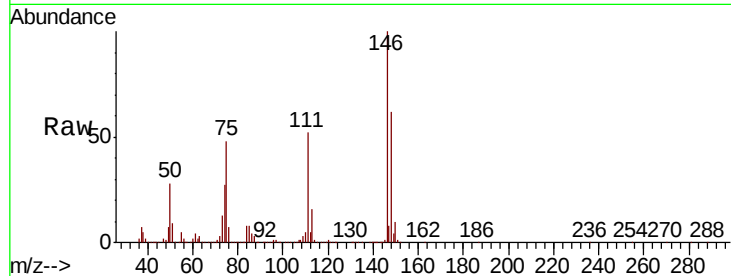
#77
 1,2-Dichlorobenzene
 Concen: 10.31 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion:146 Resp: 2329700
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.2 75.6
 148 63.7 31.8 95.4

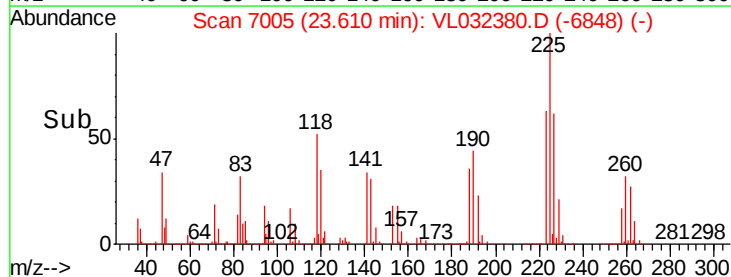
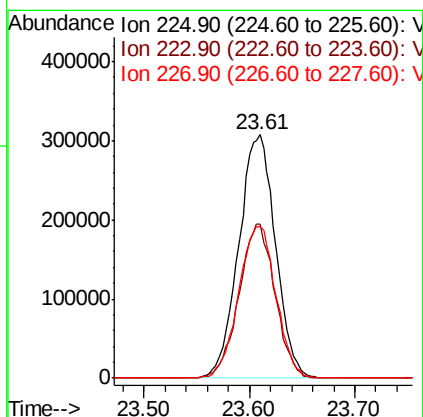
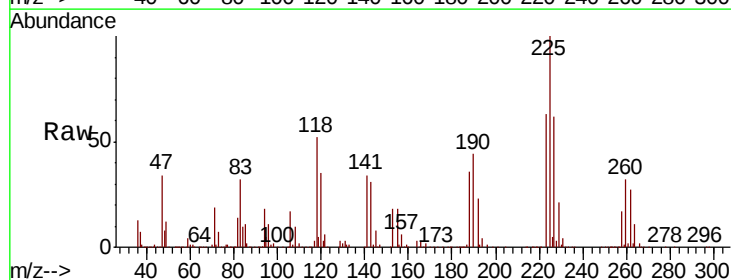
Manual Integrations
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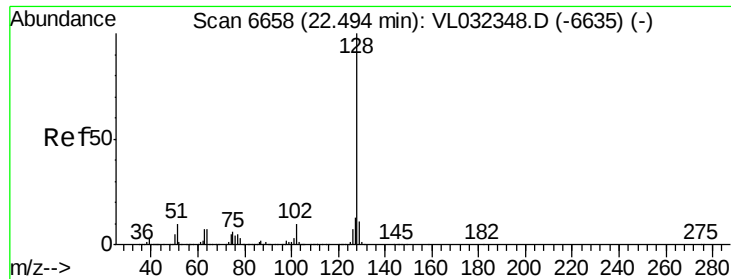
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.82 ppbv
 RT: 23.61 min Scan# 7005
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Tgt Ion:225 Resp: 744578
 Ion Ratio Lower Upper
 225 100
 223 61.9 50.6 76.0
 227 63.5 51.0 76.6





#79

Naphthalene

Concen: 13.91 ppbv

RT: 22.49 min Scan# 6657

Delta R.T. -0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:128 Resp: 3993606

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

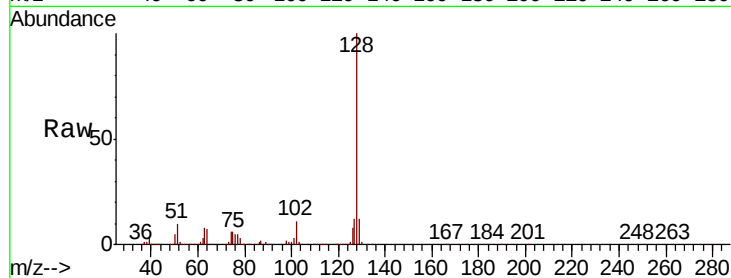
129 11.8 8.6 13.0

Manual Integrations

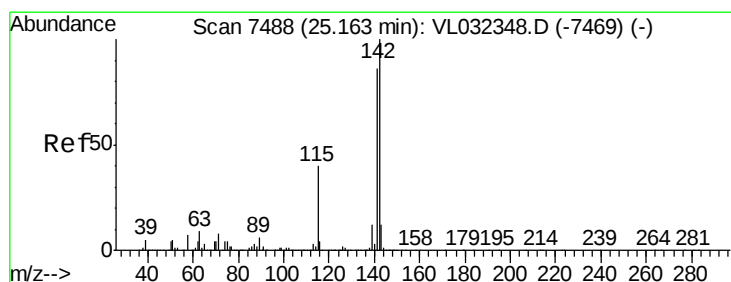
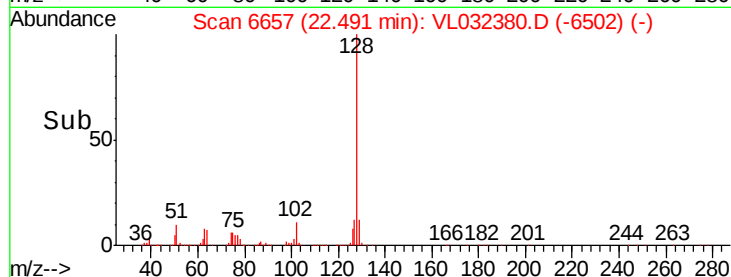
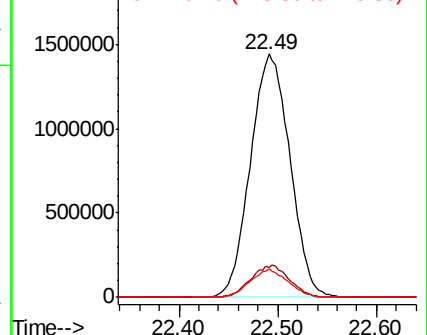
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 20.49 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032380.D

Acq: 16 Aug 2018 17:02

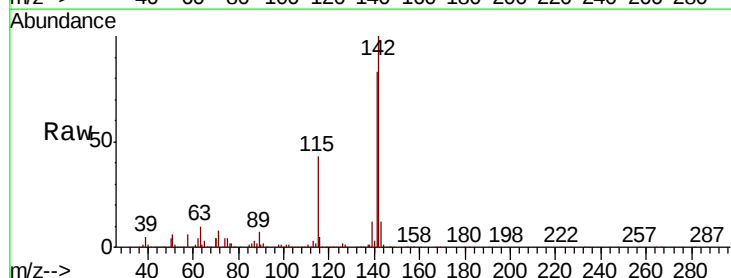
Tgt Ion:142 Resp: 1608029

Ion Ratio Lower Upper

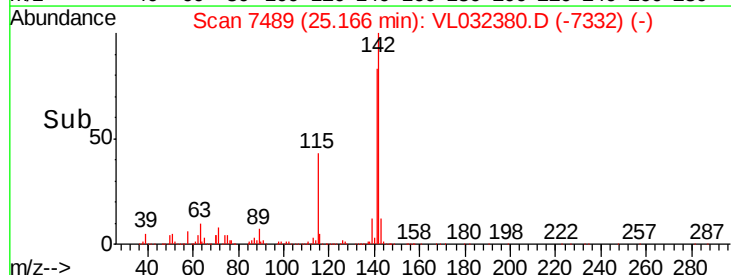
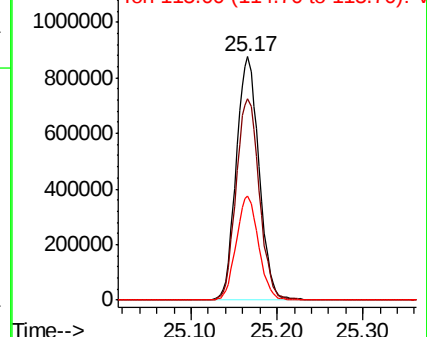
142 100

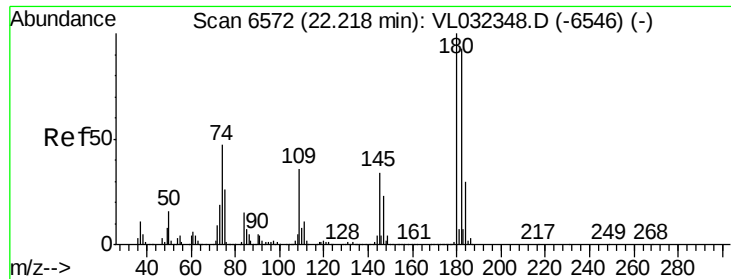
141 84.3 66.7 100.1

115 42.1 31.0 46.6



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: 12.29 ppbv
 RT: 22.22 min Scan# 6573
 Delta R.T. 0.00 min
 Lab File: VL032380.D
 Acq: 16 Aug 2018 17:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
184	30.2	24.2	36.2

Manual Integrations
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