

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031893.D
 Acq On : 20 Apr 2018 00:52
 Operator : SY/AP
 Sample : VL0419ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Manual Integrations
 APPROVED

sam
 4/23/2018 12:50:44 PM

Quant Time: Apr 20 08:25:30 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1197914	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2721274	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2785345m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2312370	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	2075042	8.40	ppbv	98
3) Chlorodifluoromethane	3.10	51	1041127	7.47	ppbv	99
4) Chloromethane	3.26	50	606059	8.52	ppbv	100
5) Vinyl Chloride	3.39	62	665762	8.31	ppbv	96
6) Bromomethane	3.61	94	447893	8.51	ppbv	100
7) Chloroethane	3.70	64	266499	8.35	ppbv	99
8) Dichlorotetrafluoroethane	3.31	85	1731413	8.53	ppbv	98
9) Propene	3.12	41	442757	9.19	ppbv	100
10) Heptane	8.39	43	1556425	9.96	ppbv	100
11) Trichlorofluoromethane	4.11	101	2096057	8.65	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1297229	8.24	ppbv	100
13) Ethanol	3.75	45	121138	7.41	ppbv	96
14) Bromoethene	3.89	108	525696	8.86	ppbv	98
15) Acetone	4.01	43	1353055	7.34	ppbv	99
16) 1,3-Butadiene	3.46	39	626504	9.18	ppbv	97
17) tert-Butyl alcohol	4.47	59	527448	6.92	ppbv	99
18) 1,1-Dichloroethene	4.46	96	569093	8.42	ppbv	99
19) Isopropyl Alcohol	4.13	45	826301	8.02	ppbv	100
20) Methylene Chloride	4.52	84	545872	8.13	ppbv	93
21) Allyl Chloride	4.59	41	899998	8.54	ppbv	99
22) trans-1,2-Dichloroethene	5.08	96	614068	8.76	ppbv	95
23) Vinyl Acetate	5.28	43	1652773	8.84	ppbv	99
24) 1,1-Dichloroethane	5.21	63	1581852	8.49	ppbv	100
25) Ethyl Acetate	5.89	43	2584655	8.99	ppbv	99
26) Hexane	5.91	57	1234252	9.21	ppbv	98
27) Carbon Disulfide	4.74	76	1611800	9.26	ppbv	99
28) Methyl tert-Butyl Ether	5.23	73	1473978	8.93	ppbv	100
29) Chloroform	5.98	83	1985019	8.73	ppbv	99
30) Cyclohexane	7.39	84	956819	9.99	ppbv	100
31) cis-1,2-Dichloroethene	5.77	61	1121376	9.23	ppbv	95
32) 1,1,1-Trichloroethane	6.76	97	1955694	8.84	ppbv	99
34) 2-Butanone	5.45	43	1578242	8.36	ppbv	99
35) Carbon Tetrachloride	7.27	117	2048457	8.67	ppbv	99
36) Benzene	7.14	78	2293642	9.37	ppbv	99
37) 1,2-Dichloroethane	6.55	62	1608362	8.83	ppbv	100
38) Trichloroethene	8.10	130	931863	9.38	ppbv	98
39) 1,2-Dichloropropane	7.88	63	835480	9.18	ppbv	96
40) 1,4-Dioxane	8.09	88	337240	9.13	ppbv	78
41) Tetrahydrofuran	6.28	42	816503	9.34	ppbv	97
42) Bromodichloromethane	8.06	83	2040606	9.36	ppbv	100
43) Methyl Methacrylate	8.27	69	862530	10.01	ppbv	99

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Quant Time: Apr 20 08:25:30 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4032121	9.56	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1211749	10.85	ppbv	100
46) cis-1,3-Dichloropropene	8.98	75	1500157	10.51	ppbv	97
47) 1,1,2-Trichloroethane	9.76	97	997561	9.22	ppbv	95
48) Dibromochloromethane	10.60	129	1718542	9.83	ppbv	100
49) Bromoform	13.36	173	1382799	10.28	ppbv	100
50) 4-Methyl-2-Pentanone	9.01	43	2058659	9.53	ppbv	100
51) 2-Hexanone	10.42	43	1837855	9.73	ppbv	99
52) Tetrachloroethene	11.52	164	872714	9.15	ppbv	97
53) Toluene	10.09	91	2768503	10.14	ppbv	99
54) 1,2-Dibromoethane	10.91	107	1509583	9.62	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.43	131	1205261	9.20	ppbv	100
57) Chlorobenzene	12.45	112	2158917	9.14	ppbv	99
58) Ethyl Benzene	13.01	91	3960092	10.24	ppbv	99
59) m/p-Xylene	13.30	91	6582753m	19.60	ppbv	
60) o-Xylene	14.00	91	3363359	10.02	ppbv	100
61) Styrene	13.84	104	722793	11.31	ppbv	100
62) Isopropylbenzene	14.97	105	4219557	9.79	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.98	83	2265683	8.78	ppbv	99
64) n-propylbenzene	15.87	120	1041343	9.93	ppbv	100
65) tert-Butylbenzene	17.06	119	3639587	9.81	ppbv	100
66) Benzyl Chloride	17.30	91	428125m	12.81	ppbv	
67) sec-Butylbenzene	17.61	105	5177619	9.69	ppbv	100
69) p-Isopropyltoluene	17.96	119	4108015	9.92	ppbv	99
70) n-Butylbenzene	18.86	91	4167380	9.66	ppbv	100
71) 2-Chlorotoluene	15.77	91	3125315	10.02	ppbv	100
72) 4-Ethyltoluene	16.15	105	3375930	9.84	ppbv	99
73) 1,3,5-Trimethylbenzene	16.30	105	3082576	9.81	ppbv	98
74) 1,2,4-Trimethylbenzene	17.08	105	3254598	9.28	ppbv	93
75) 1,3-Dichlorobenzene	17.31	146	1951956	9.08	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	1961543	9.40	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1951525	9.22	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	966372	11.89	ppbv	98
79) Naphthalene	22.59	128	1961663	9.94	ppbv	98
80) Naphthalene, 2-methyl-	25.23	142	265910	6.90	ppbv	99
81) 1,2,4-Trichlorobenzene	22.31	180	976699	8.92	ppbv	99

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

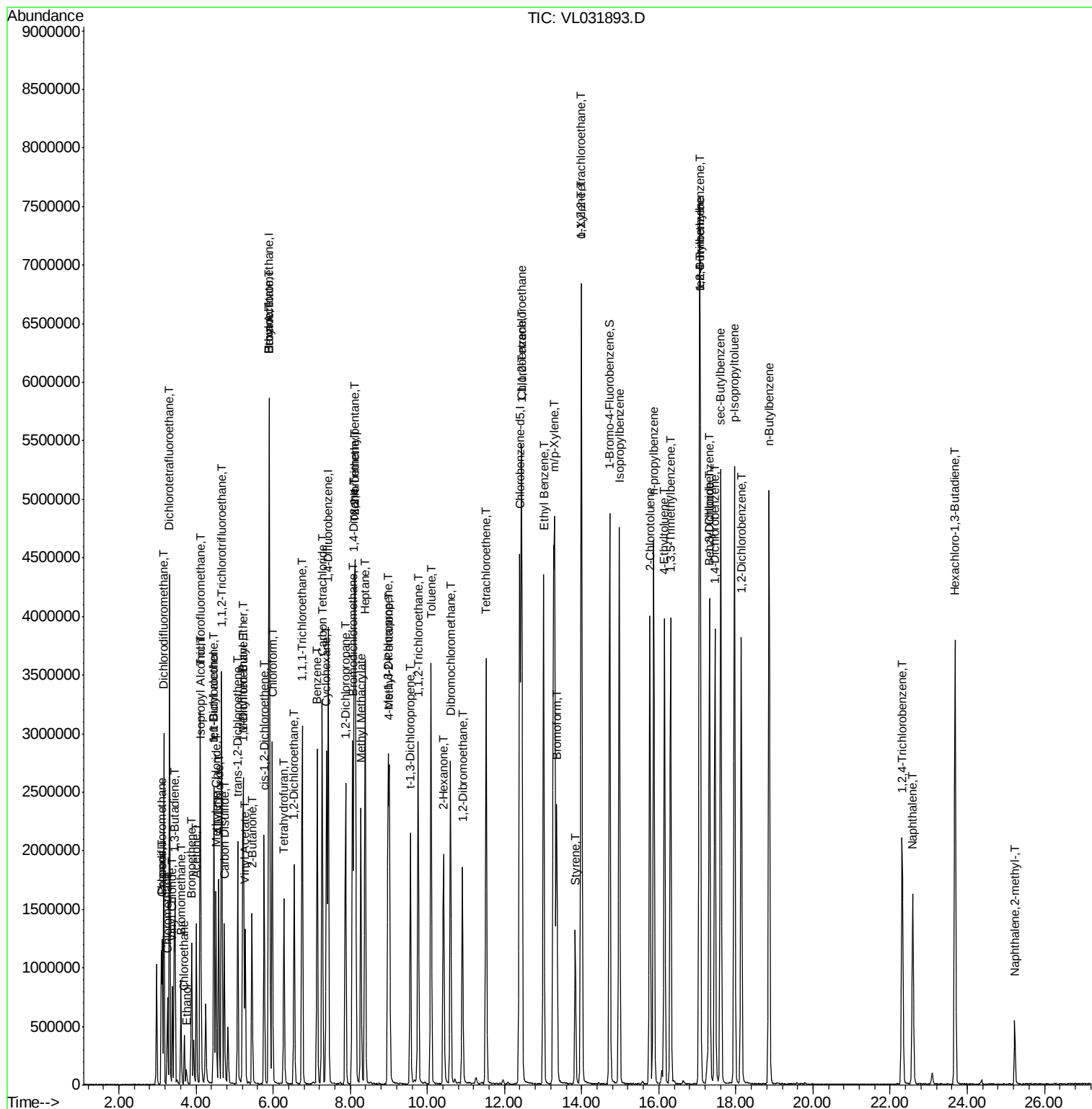
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Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\  
Data File : VL031893.D  
Acq On    : 20 Apr 2018  00:52  
Operator  : SY/AP  
Sample    : VL0419ABS01  
Misc      : 400ml/MSVOA L  
ALS Vial  : 1      Sample Multiplier: 1
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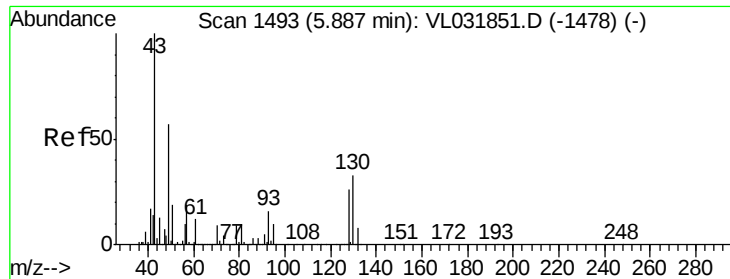
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Manual Integrations APPROVED

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Quant Time: Apr 20 08:25:30 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 49 Resp: 1197914

Ion Ratio Lower Upper

49 100

128 48.2 23.9 71.7

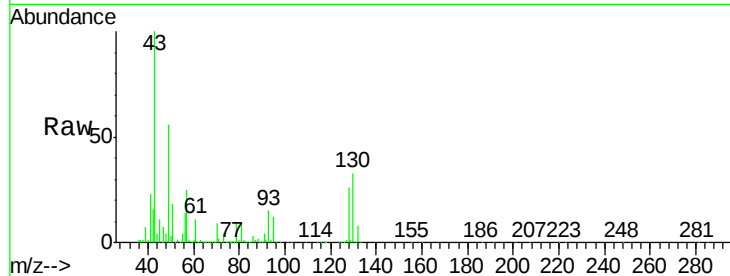
130 61.4 30.9 92.7

Manual Integrations

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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

5.89

800000

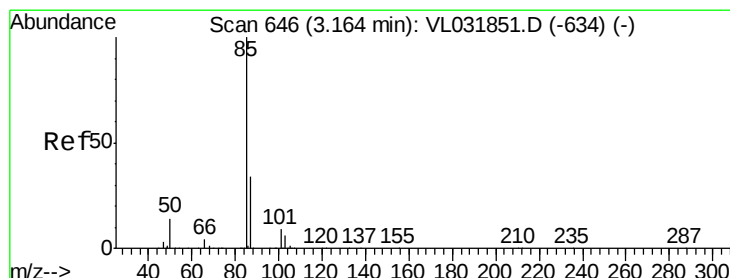
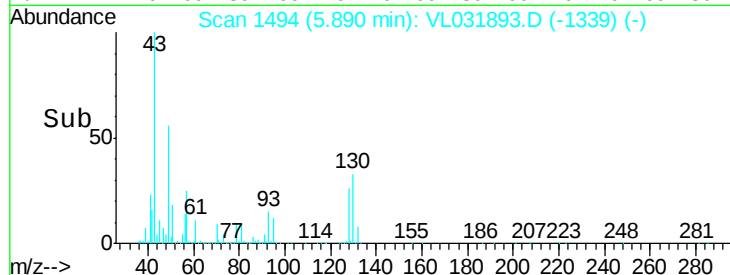
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.40 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031893.D

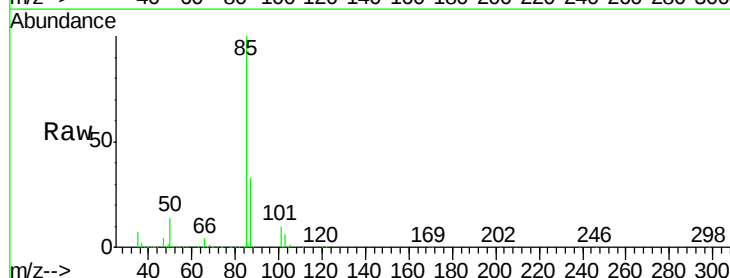
Acq: 20 Apr 2018 00:52

Tgt Ion: 85 Resp: 2075042

Ion Ratio Lower Upper

85 100

87 33.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.16

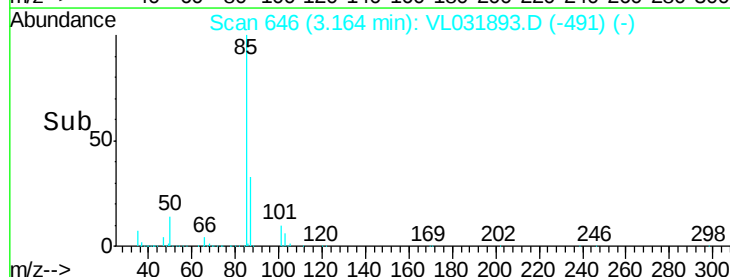
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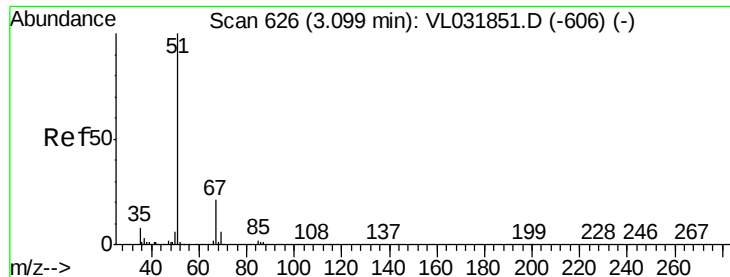
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500000

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Time-->





#3

Chlorodifluoromethane

Concen: 7.47 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tot Ion: 51 Resp: 1041127

Ion Ratio Lower Upper

51 100

67 21.6 17.5 26.3

Instrument :

MSVOA_L

ClientSampleId :

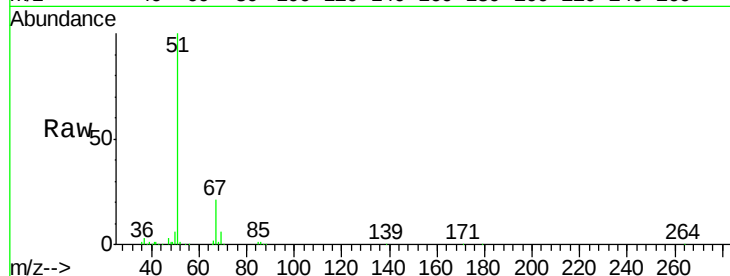
VL0419ABS01

Manual Integrations

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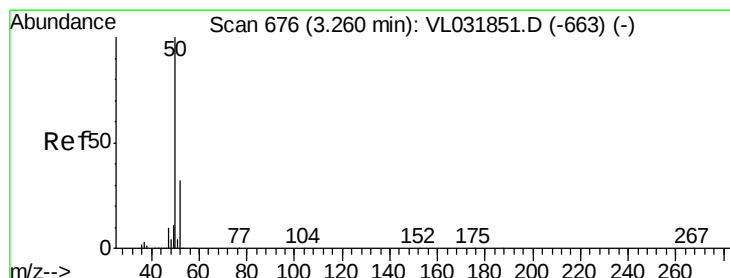
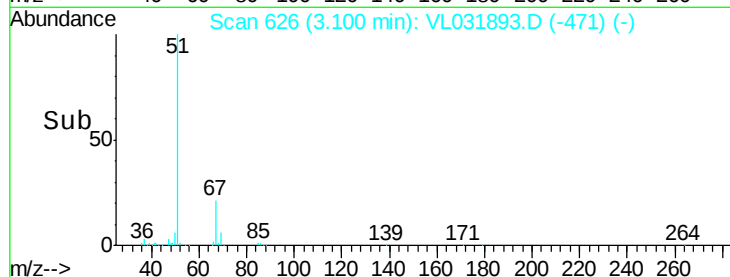
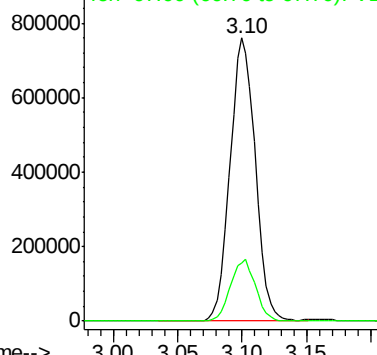
sam

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.52 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031893.D

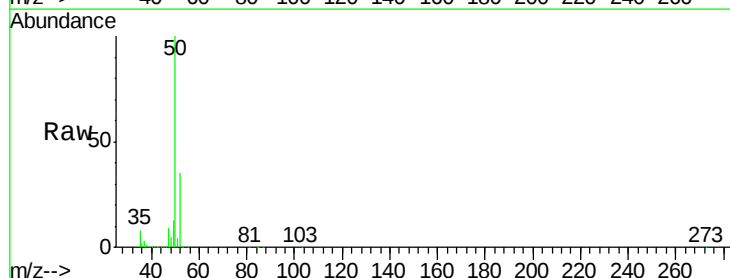
Acq: 20 Apr 2018 00:52

Tgt Ion: 50 Resp: 606059

Ion Ratio Lower Upper

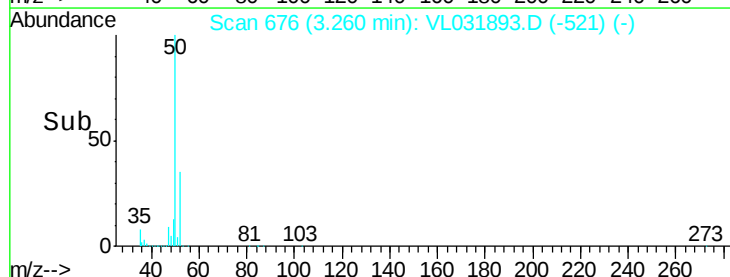
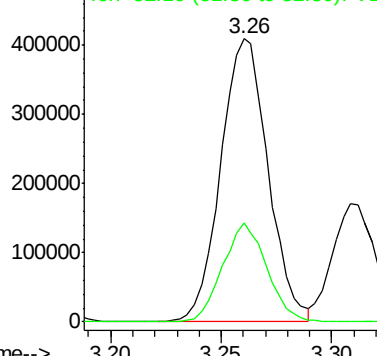
50 100

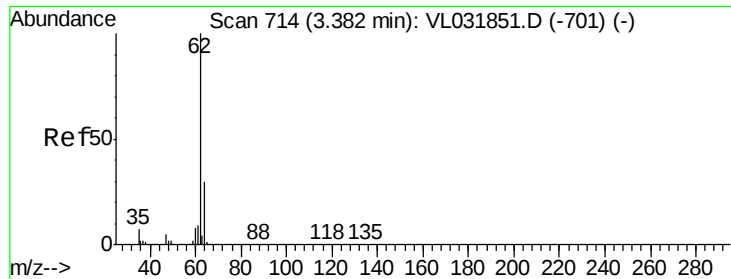
52 35.1 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleID :

VL0419ABS01

Tot Ion: 62 Resp: 665762

Ion Ratio Lower Upper

62 100

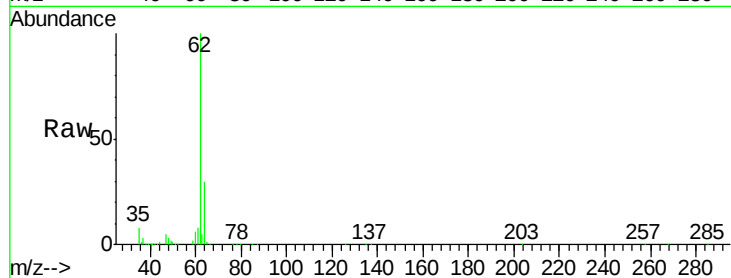
64 30.3 25.9 38.9

Manual Integrations

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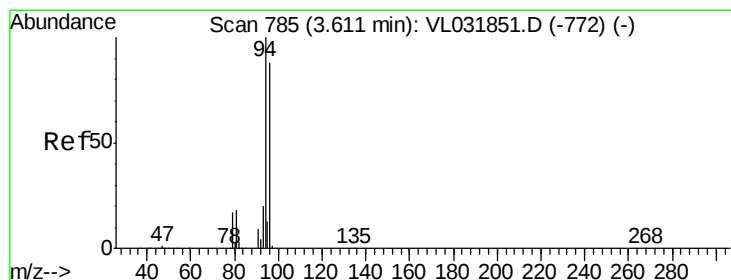
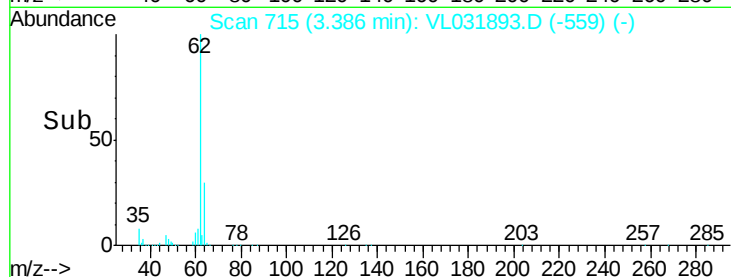
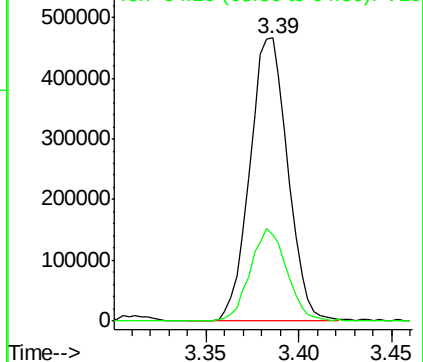
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.51 ppbv

RT: 3.61 min Scan# 785

Delta R.T. -0.00 min

Lab File: VL031893.D

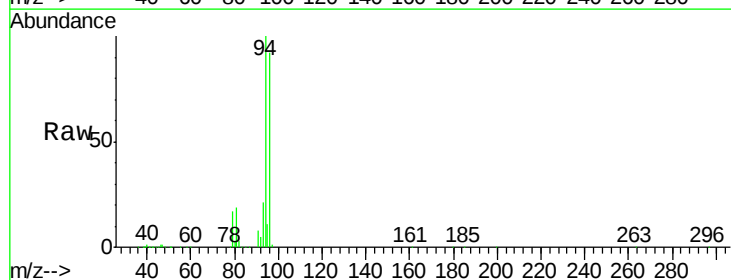
Acq: 20 Apr 2018 00:52

Tgt Ion: 94 Resp: 447893

Ion Ratio Lower Upper

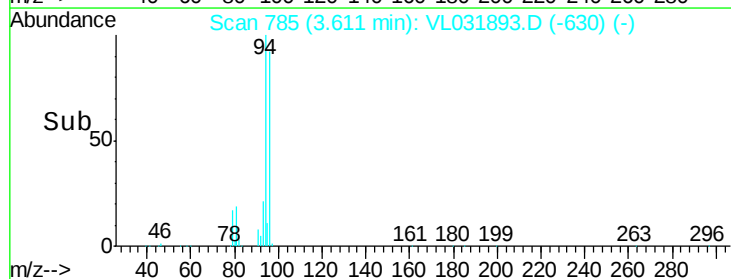
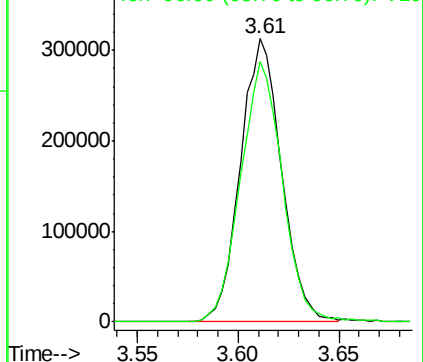
94 100

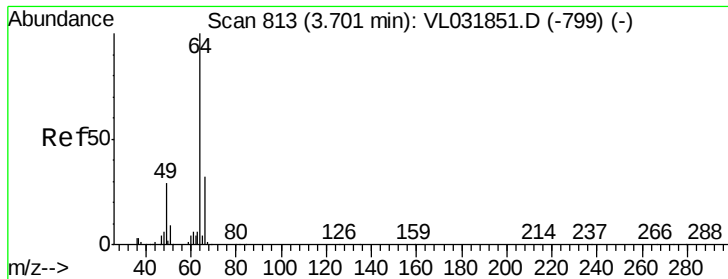
96 92.1 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.35 ppbv

RT: 3.70 min Scan# 812

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 64 Resp: 266499

Ion Ratio Lower Upper

64 100

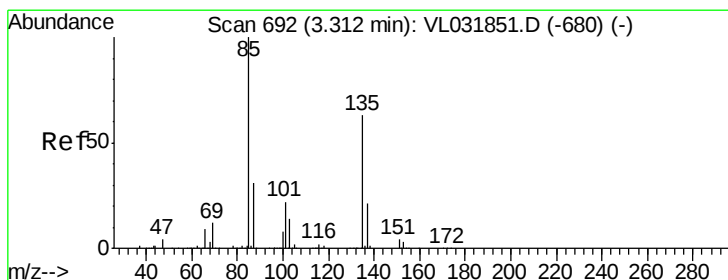
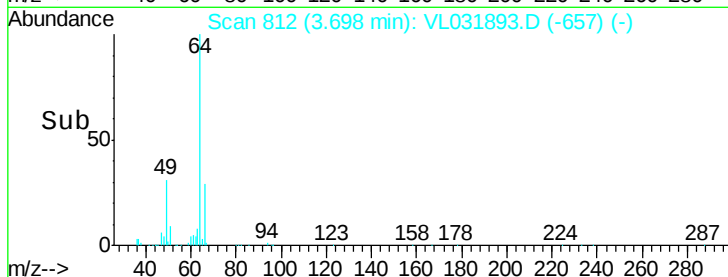
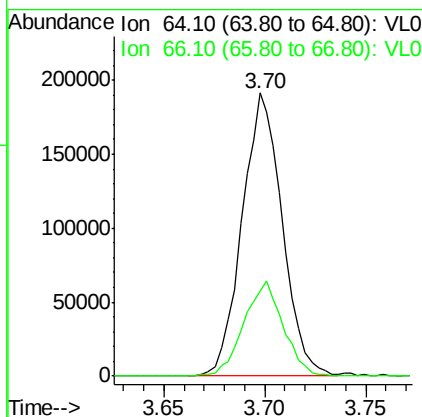
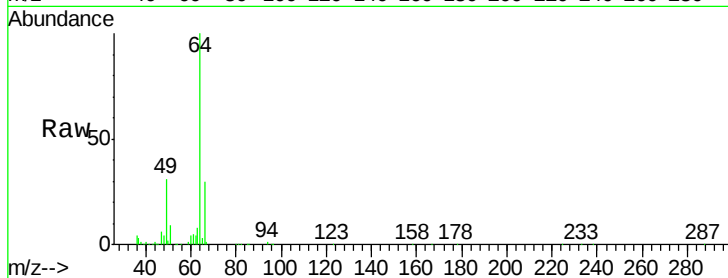
66 29.8 23.4 35.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.53 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031893.D

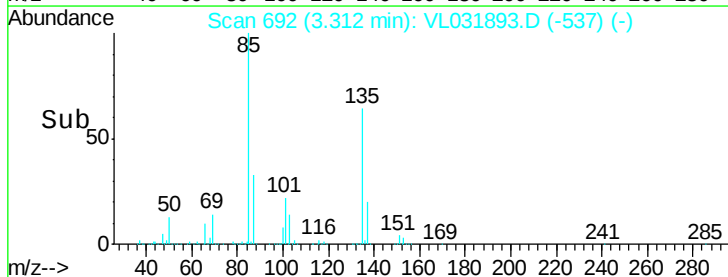
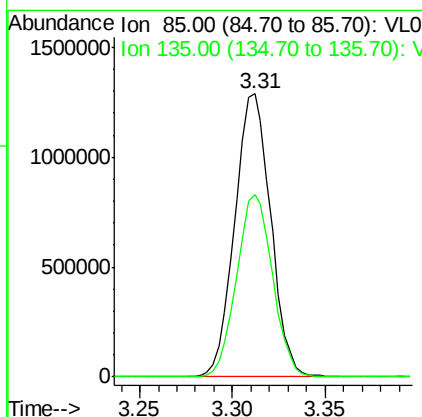
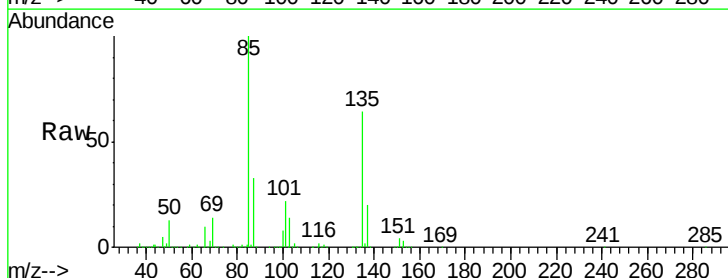
Acq: 20 Apr 2018 00:52

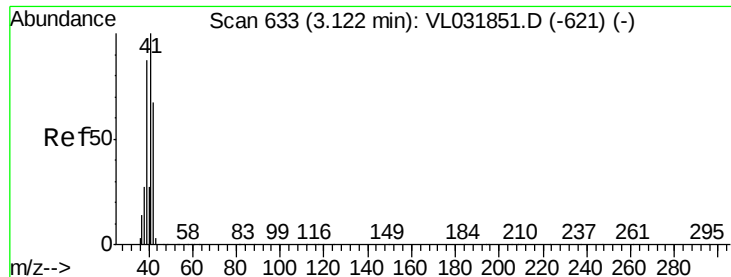
Tgt Ion: 85 Resp: 1731413

Ion Ratio Lower Upper

85 100

135 64.7 52.7 79.1





#9

Propene

Concen: 9.19 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 41 Resp: 442757

Ion Ratio Lower Upper

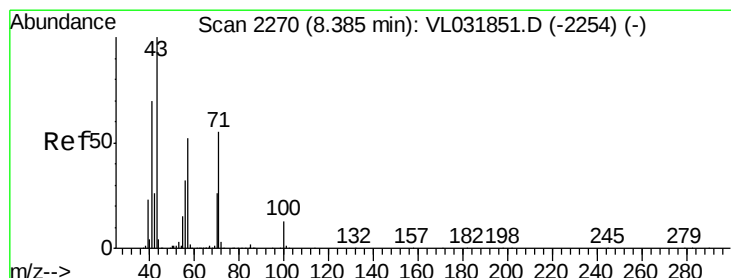
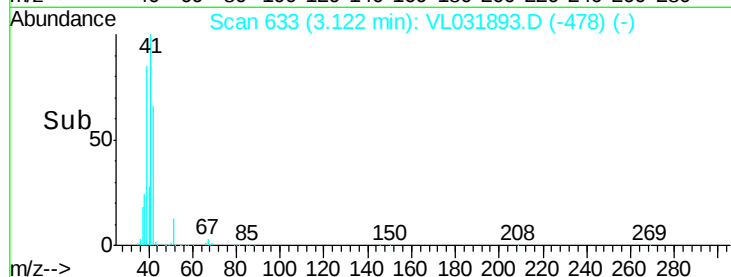
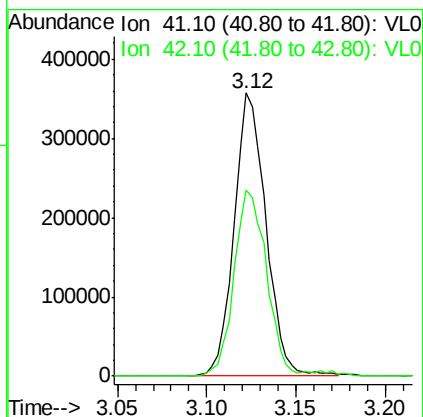
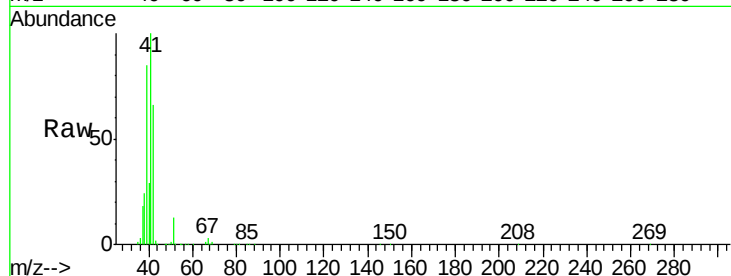
41 100

42 68.8 55.0 82.4

Manual Integrations
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#10

Heptane

Concen: 9.96 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VL031893.D

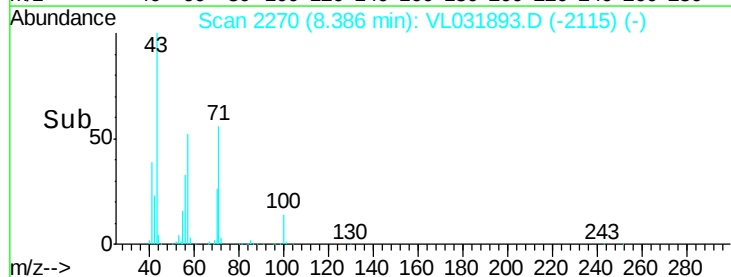
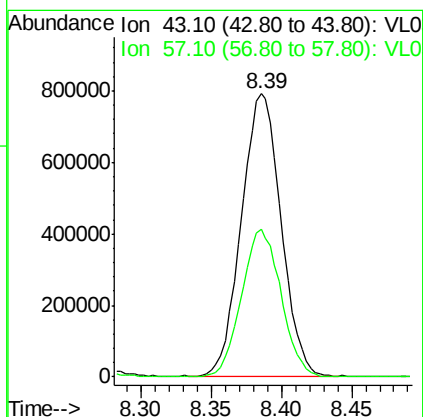
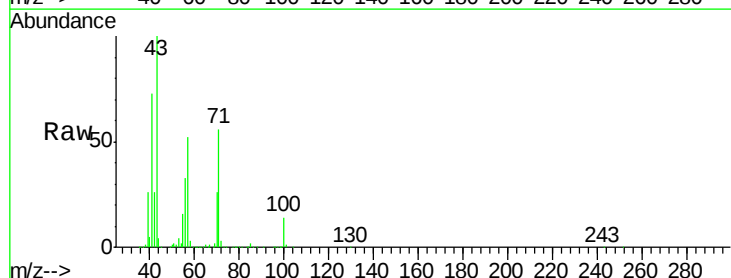
Acq: 20 Apr 2018 00:52

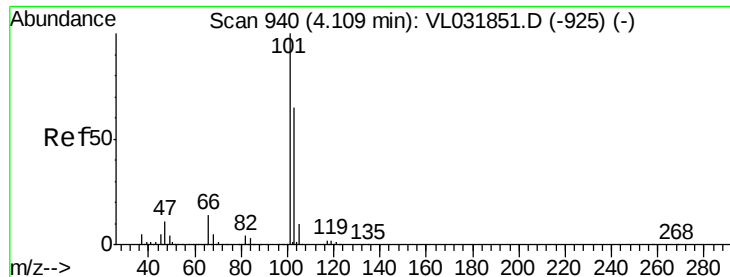
Tgt Ion: 43 Resp: 1556425

Ion Ratio Lower Upper

43 100

57 52.2 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.65 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion:101 Resp: 2096057

Ion Ratio Lower Upper

101 100

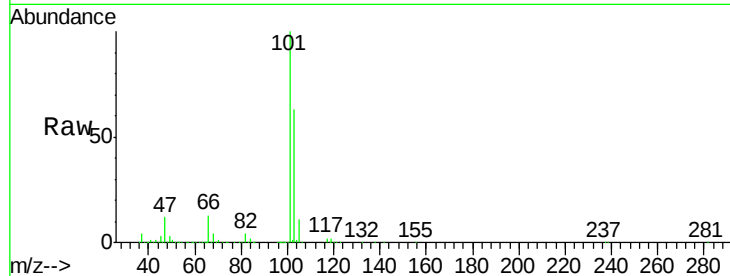
103 62.9 51.8 77.8

Manual Integrations

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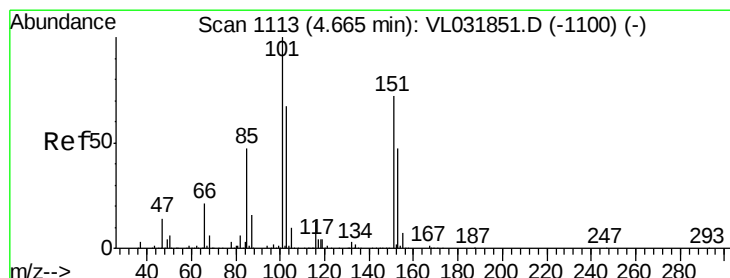
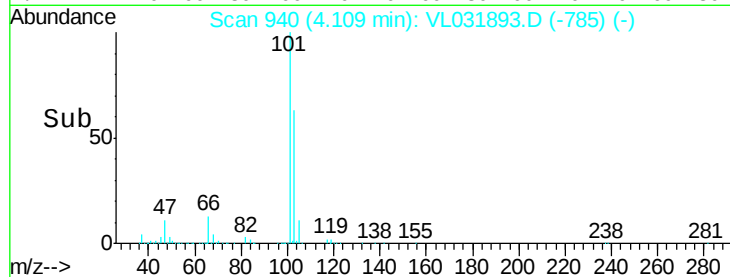
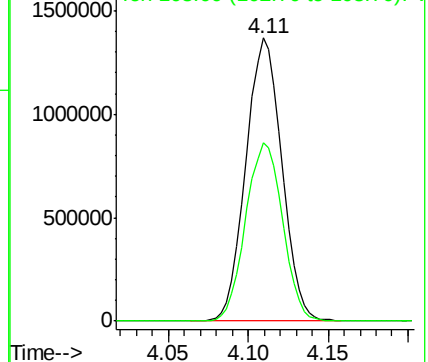
sam

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.24 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VL031893.D

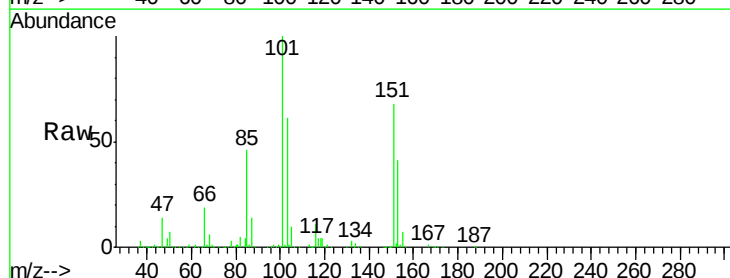
Acq: 20 Apr 2018 00:52

Tgt Ion:101 Resp: 1297229

Ion Ratio Lower Upper

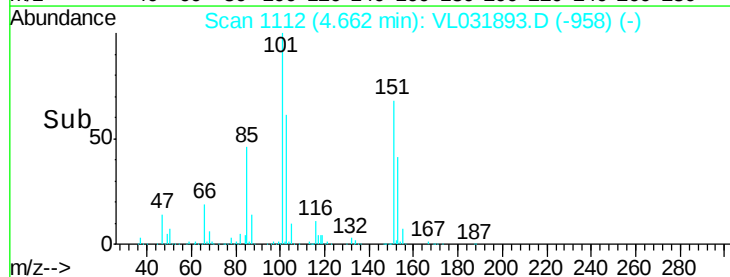
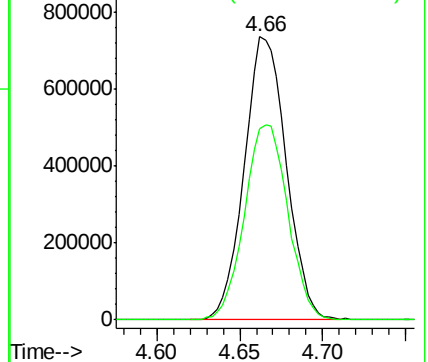
101 100

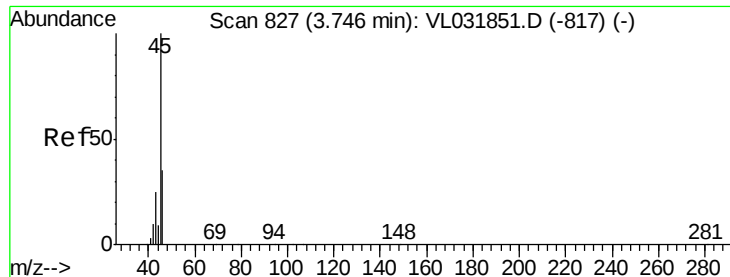
151 71.5 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.41 ppbv

RT: 3.75 min Scan# 829

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 45 Resp: 121138

Ion Ratio Lower Upper

45 100

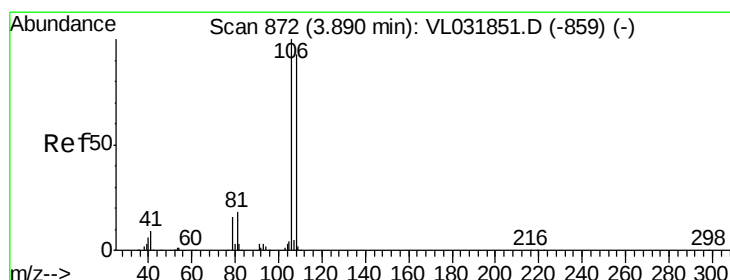
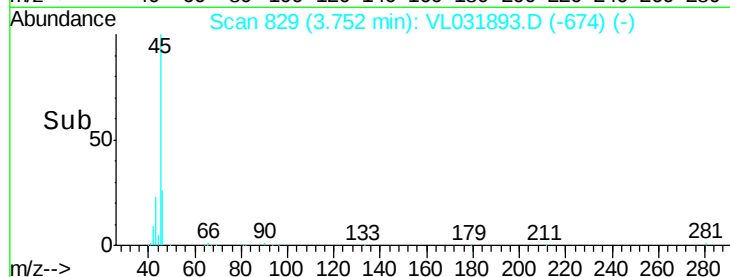
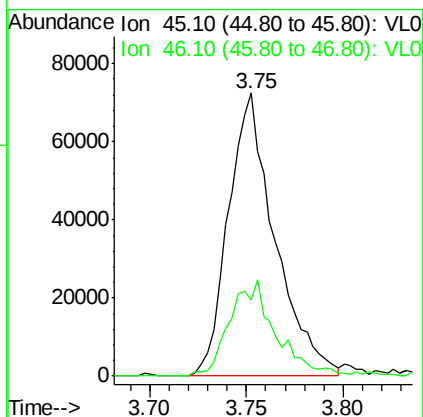
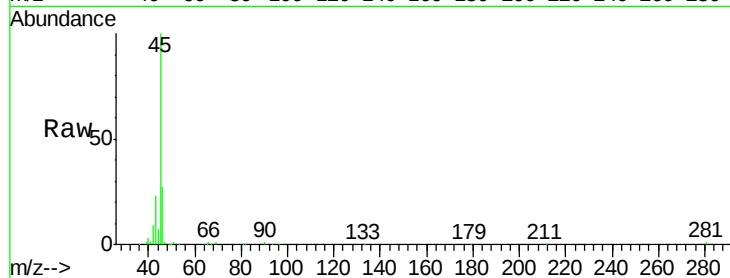
46 34.2 14.6 58.6

Manual Integrations

APPROVED

sam

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#14

Bromoethene

Concen: 8.86 ppbv

RT: 3.89 min Scan# 872

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

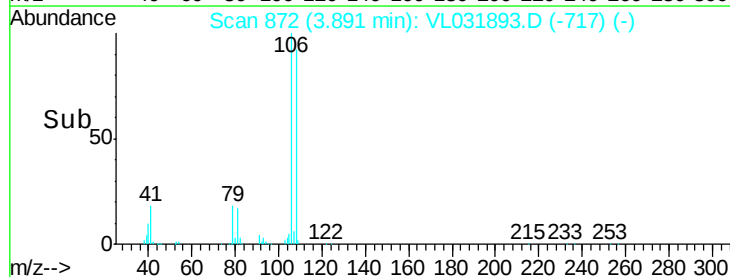
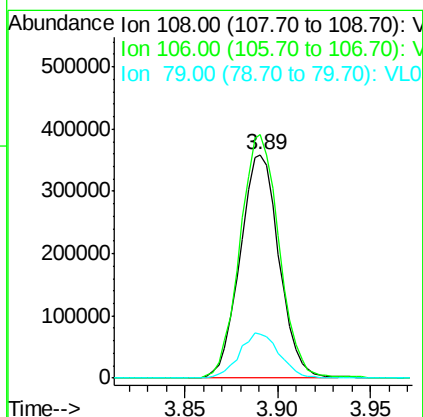
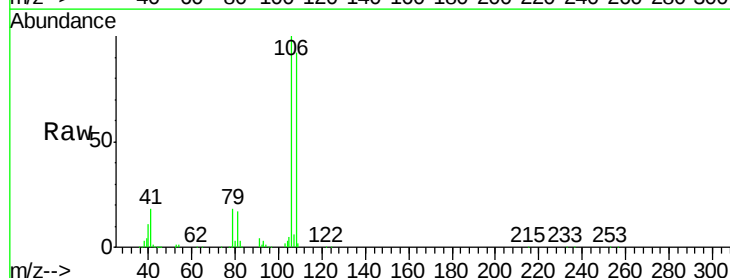
Tgt Ion: 108 Resp: 525696

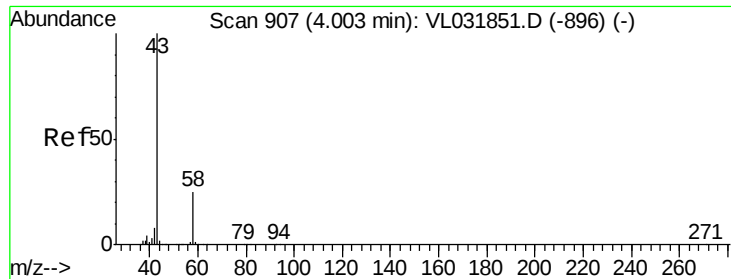
Ion Ratio Lower Upper

108 100

106 110.4 86.6 130.0

79 20.8 15.5 23.3





#15

Acetone

Concen: 7.34 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 43 Resp: 1353055

Ion Ratio Lower Upper

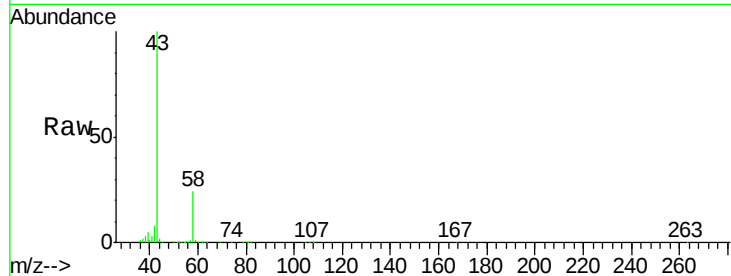
43 100

58 25.5 20.9 31.3

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.01

1000000

800000

600000

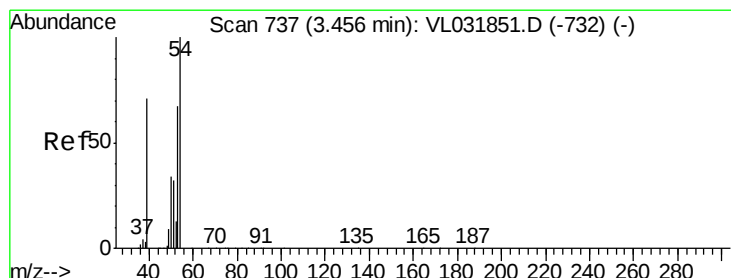
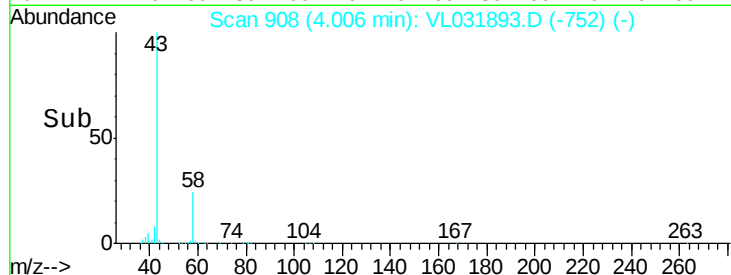
400000

200000

0

Time-->

3.95 4.00 4.05



#16

1,3-Butadiene

Concen: 9.18 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.00 min

Lab File: VL031893.D

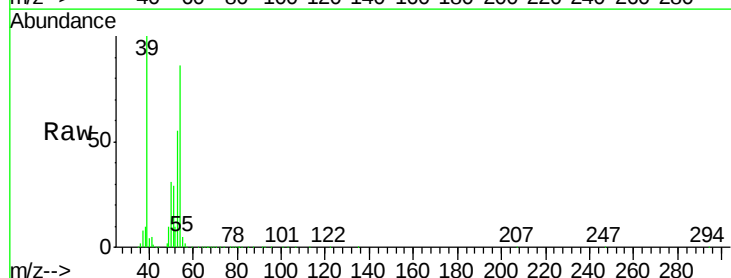
Acq: 20 Apr 2018 00:52

Tgt Ion: 39 Resp: 626504

Ion Ratio Lower Upper

39 100

54 81.5 63.3 94.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.46

500000

400000

300000

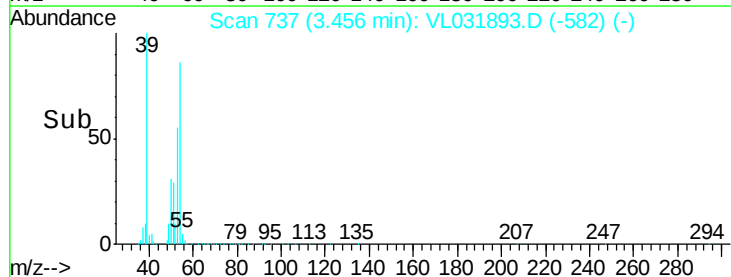
200000

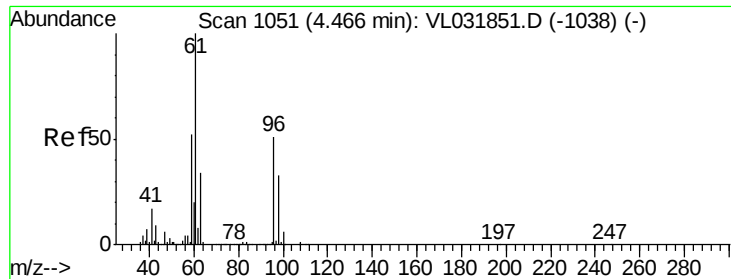
100000

0

Time-->

3.45 3.50





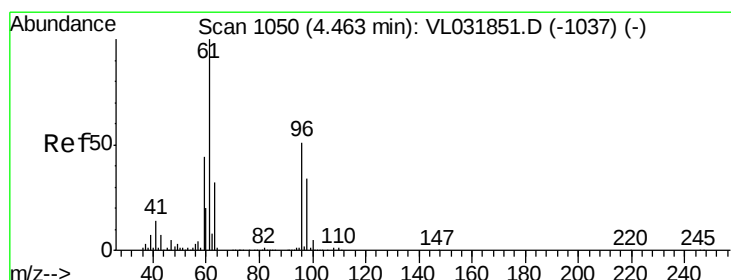
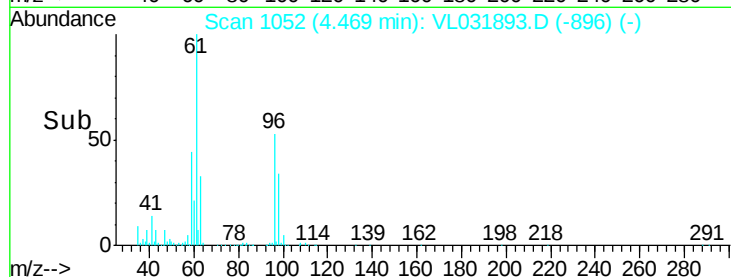
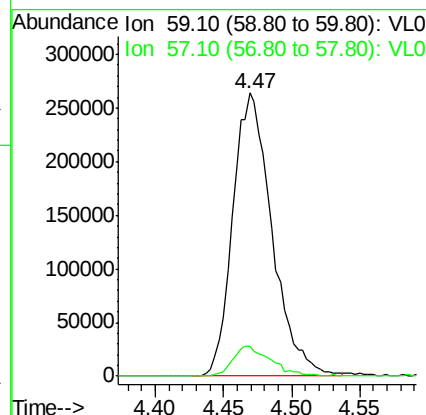
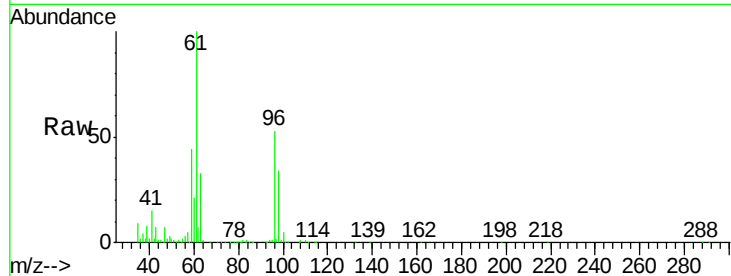
#17
 tert-Butyl alcohol
 Concen: 6.92 ppbv
 RT: 4.47 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion: 59 Resp: 527448
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

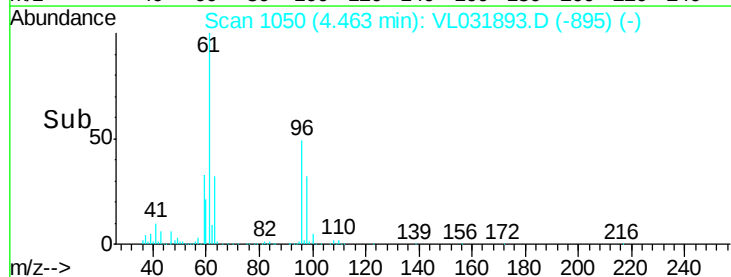
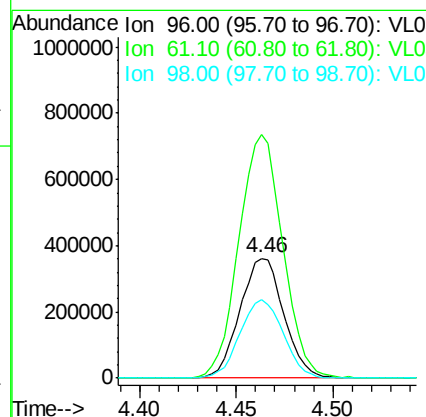
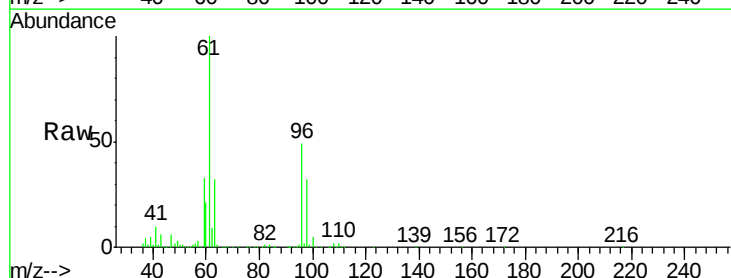
Manual Integrations
 APPROVED

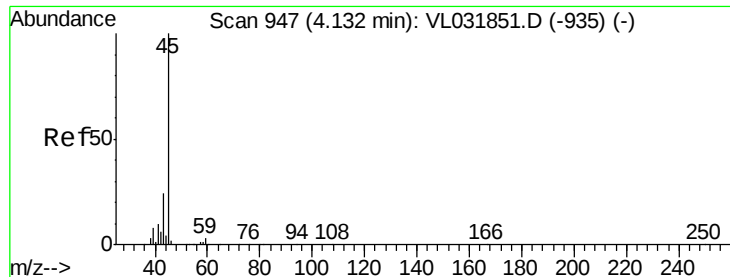
sam
 4/23/2018 12:50:44 PM



#18
 1,1-Dichloroethene
 Concen: 8.42 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 96 Resp: 569093
 Ion Ratio Lower Upper
 96 100
 61 203.3 161.0 241.6
 98 66.1 52.7 79.1





#19

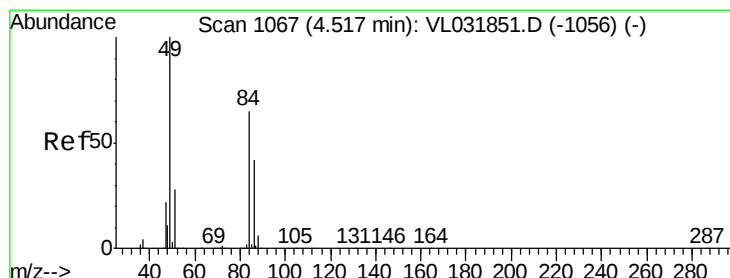
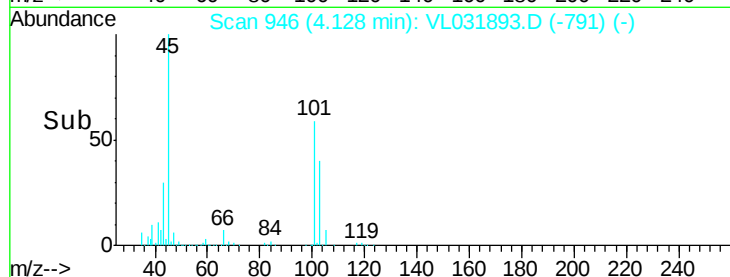
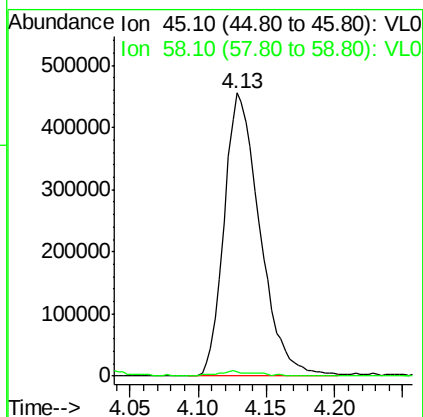
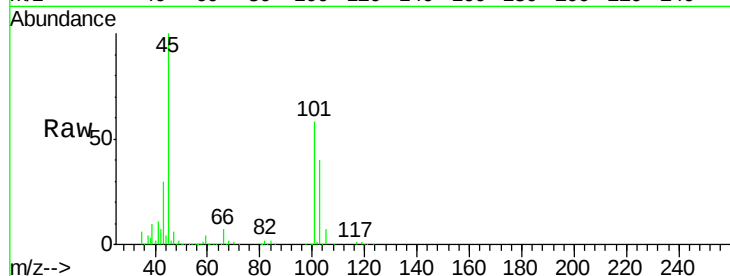
Isopropyl Alcohol
 Concen: 8.02 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0419ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.7	2.5

Manual Integrations
 APPROVED

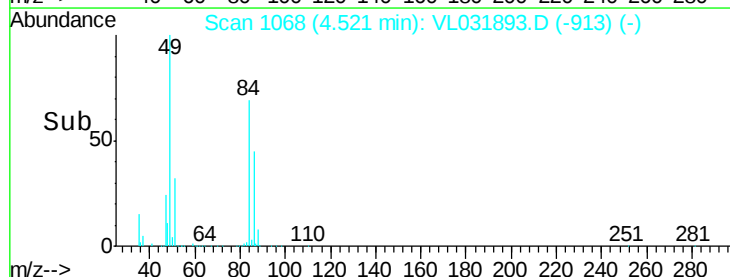
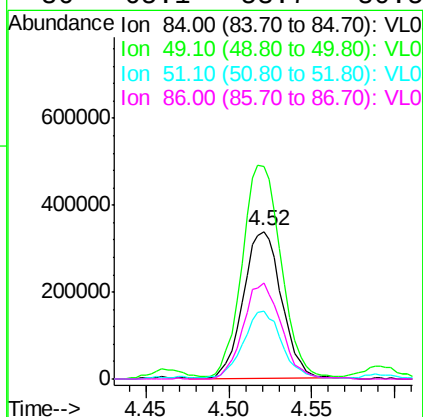
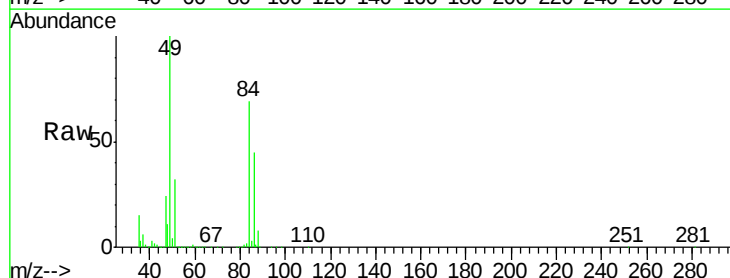
sam
 4/23/2018 12:50:44 PM

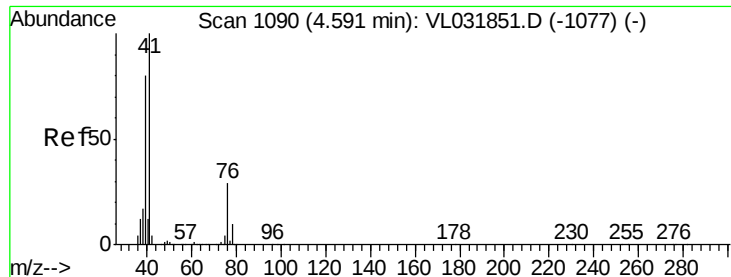


#20

Methylene Chloride
 Concen: 8.13 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.0	125.6	188.4
51	45.4	36.4	54.6
86	65.1	53.7	80.5





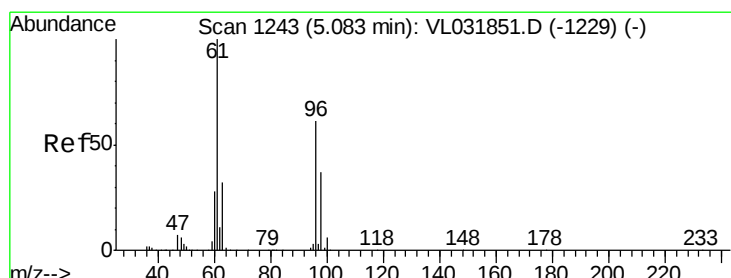
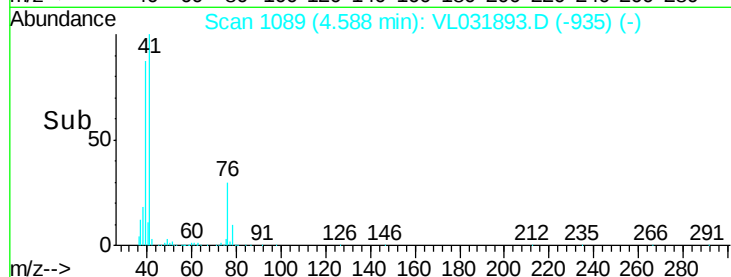
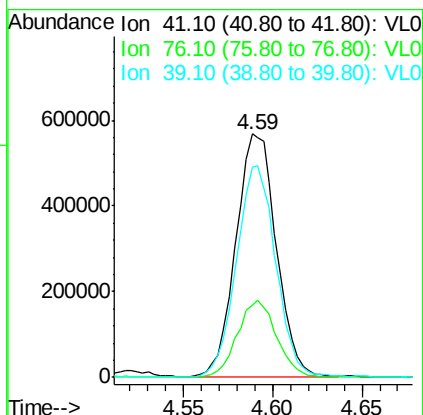
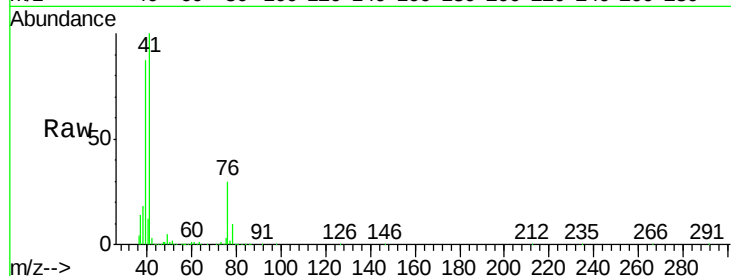
#21
Allvl Chloride
Concen: 8.54 ppbv
RT: 4.59 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.4	35.2
39	85.1	67.6	101.4

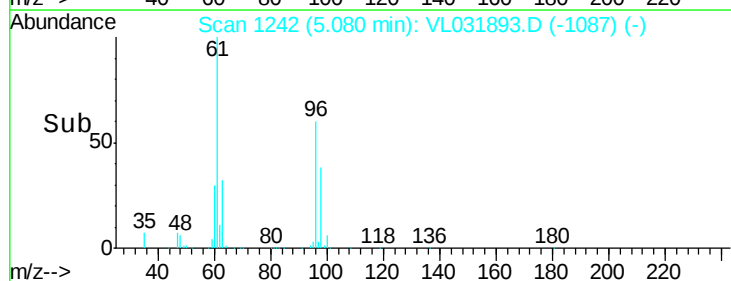
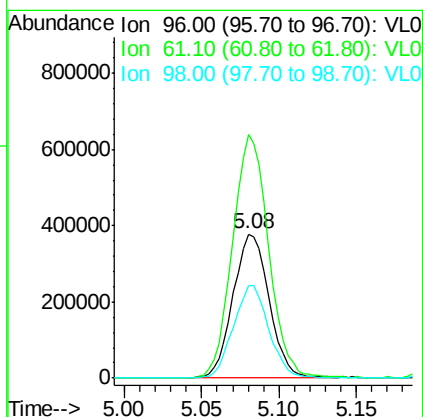
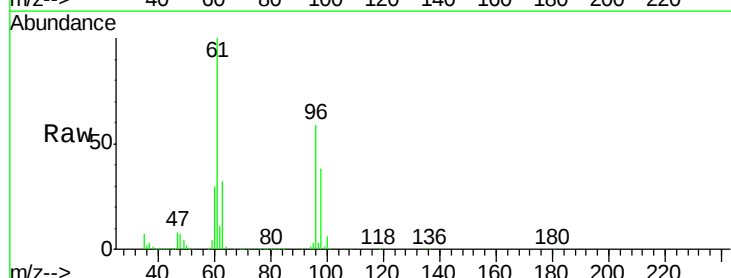
Manual Integrations
APPROVED

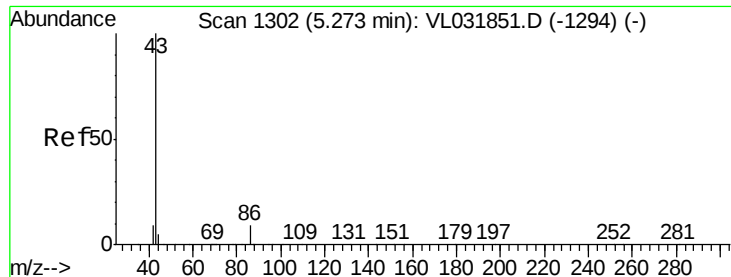
sam
4/23/2018 12:50:44 PM



#22
trans-1,2-Dichloroethene
Concen: 8.76 ppbv
RT: 5.08 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	131.1	196.7
98	64.4	47.6	71.4





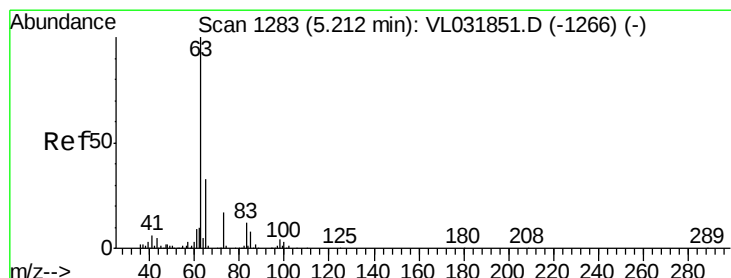
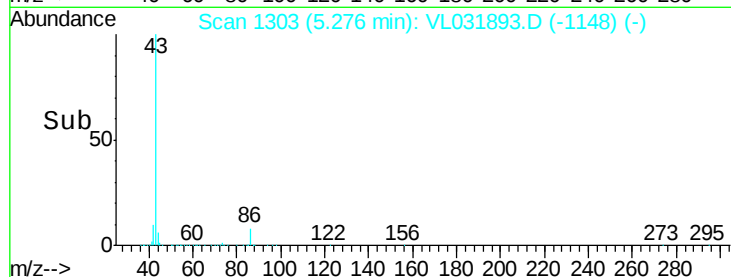
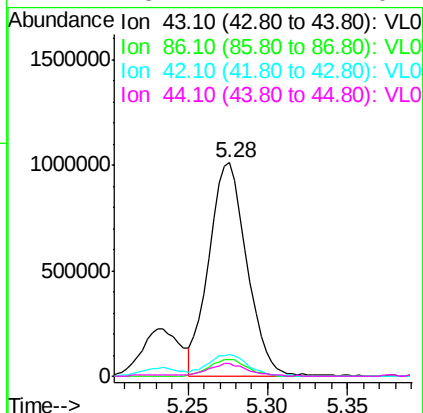
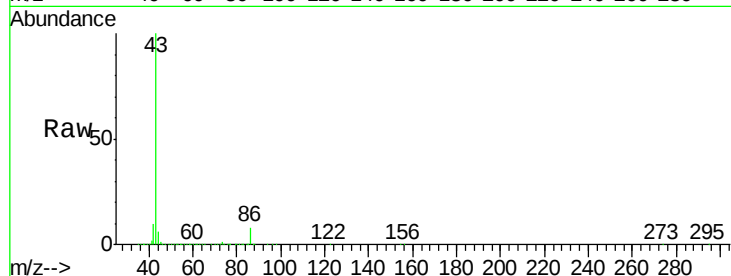
#23
 Vinyl Acetate
 Concen: 8.84 ppbv
 RT: 5.28 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.8	8.8
42	10.3	8.5	12.7
44	5.7	4.2	6.4

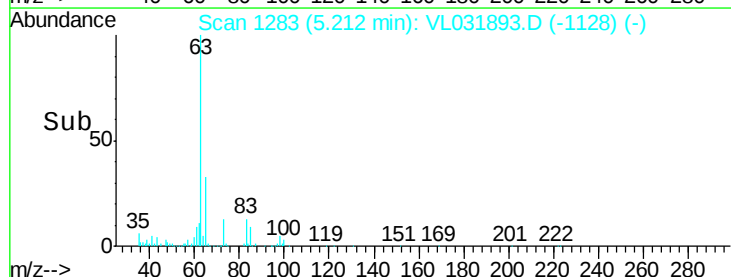
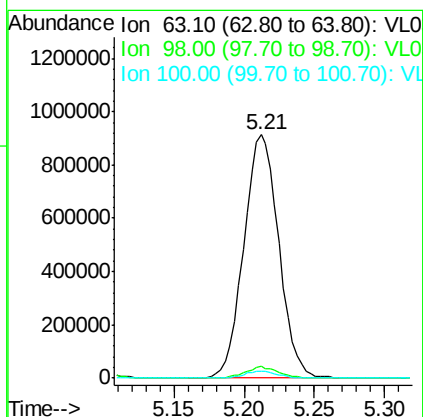
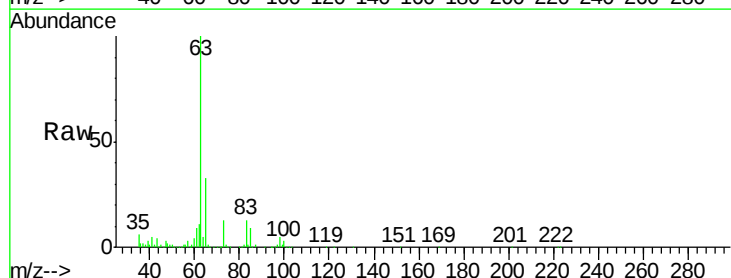
Manual Integrations
 APPROVED

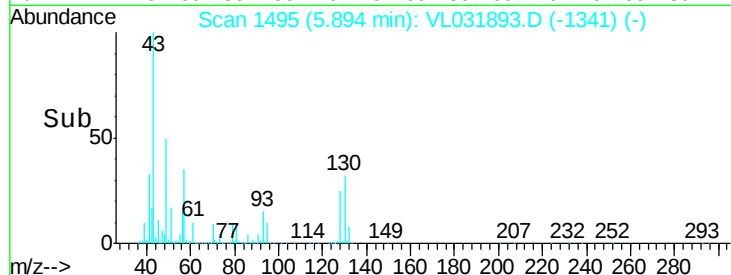
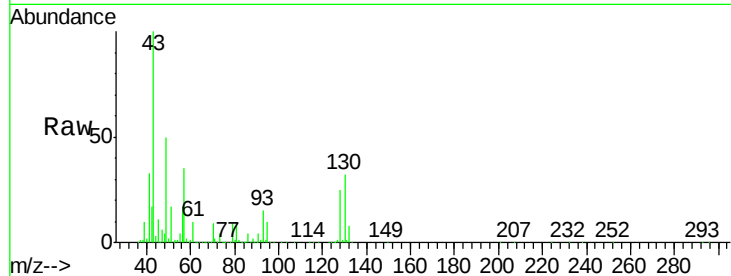
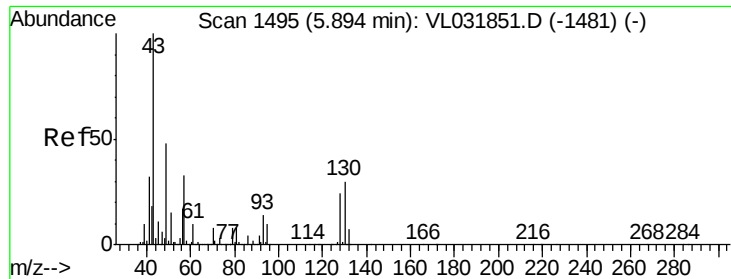
sam
 4/23/2018 12:50:44 PM



#24
 1,1-Dichloroethane
 Concen: 8.49 ppbv
 RT: 5.21 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.2
100	2.9	1.5	4.4





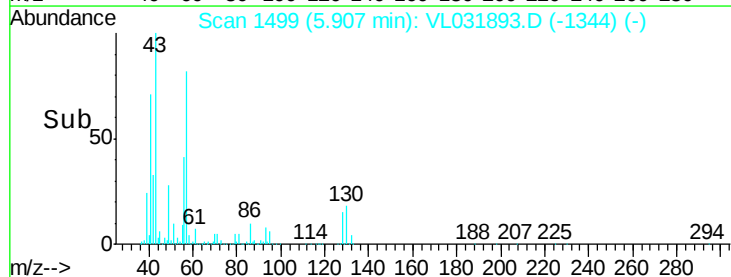
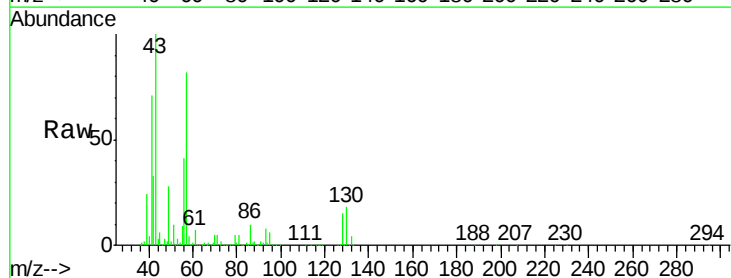
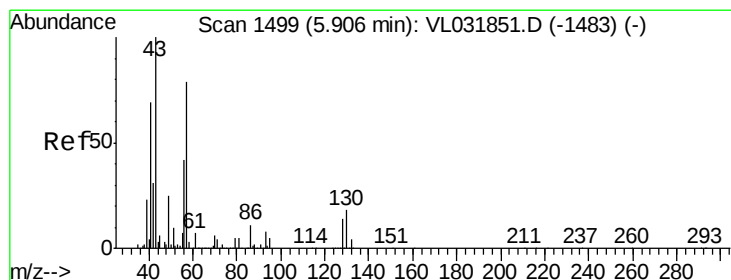
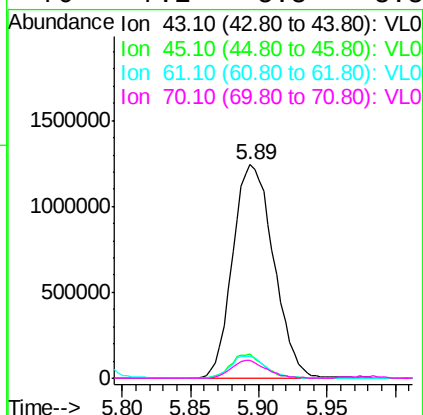
#25
Ethyl Acetate
Concen: 8.99 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.4	7.8	11.8	
61	8.9	7.2	10.8	
70	7.1	5.8	8.8	

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

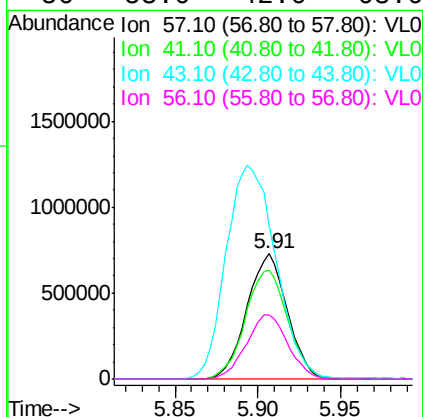
Manual Integrations
APPROVED

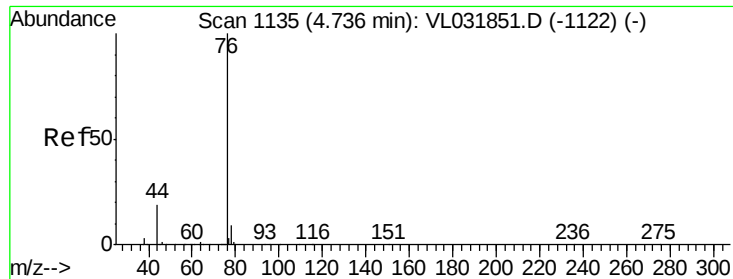
sam
4/23/2018 12:50:44 PM



#26
Hexane
Concen: 9.21 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	92.7	72.0	108.0	
43	210.4	169.8	254.8	
56	53.0	42.0	63.0	





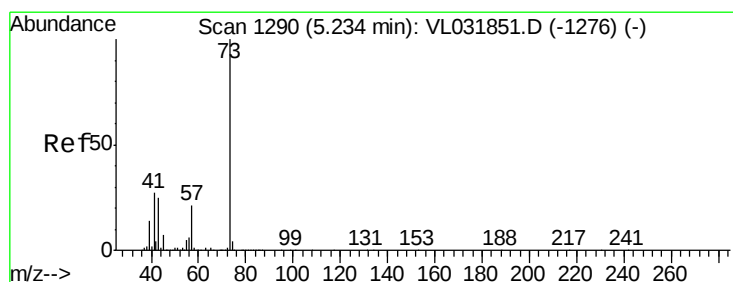
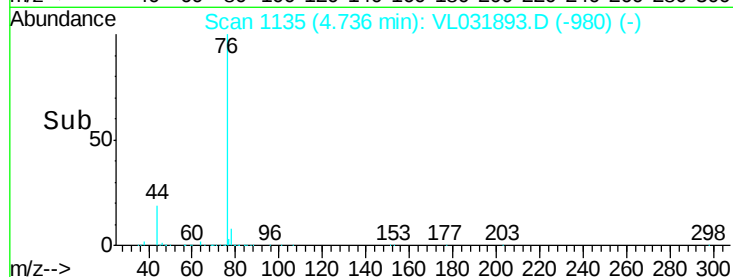
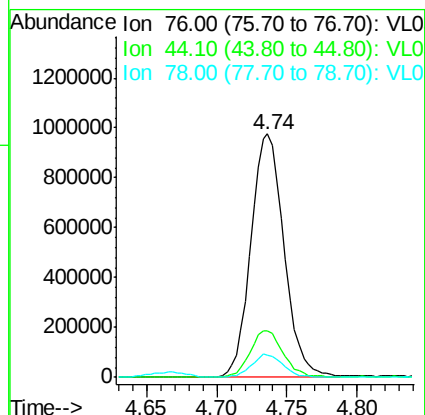
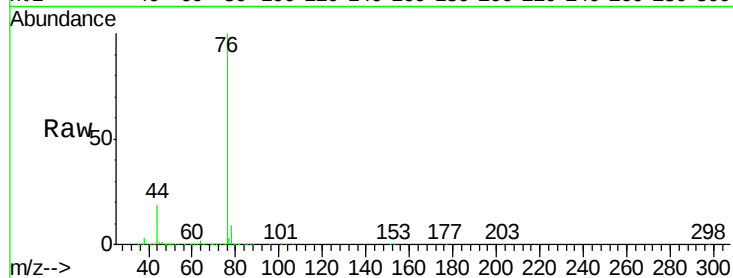
#27
Carbon Disulfide
Concen: 9.26 ppbv
RT: 4.74 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.1	15.6	23.4
78	9.1	7.6	11.4

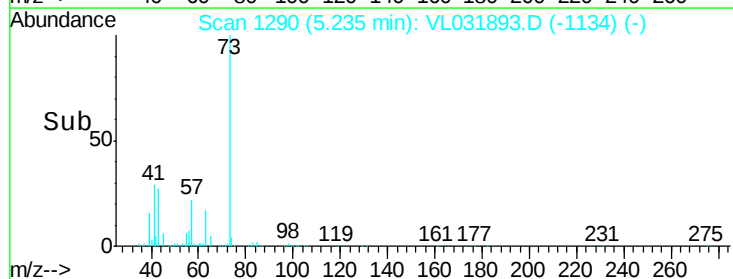
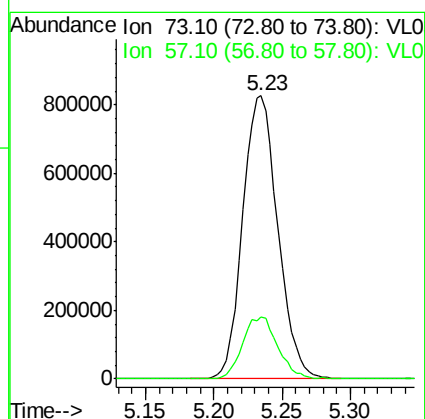
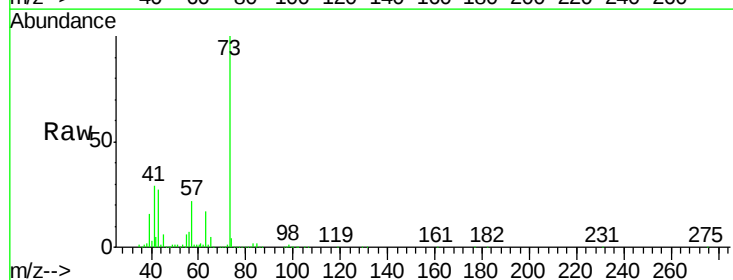
Manual Integrations
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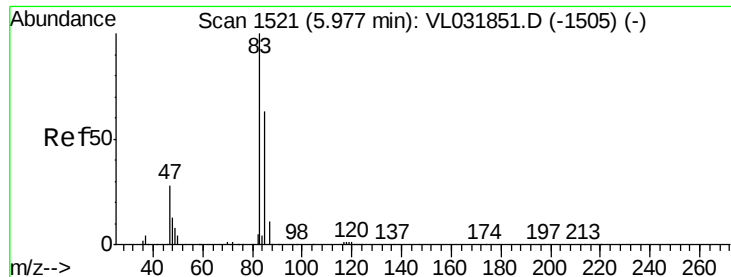
sam
4/23/2018 12:50:44 PM



#28
Methyl tert-Butyl Ether
Concen: 8.93 ppbv
RT: 5.23 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4





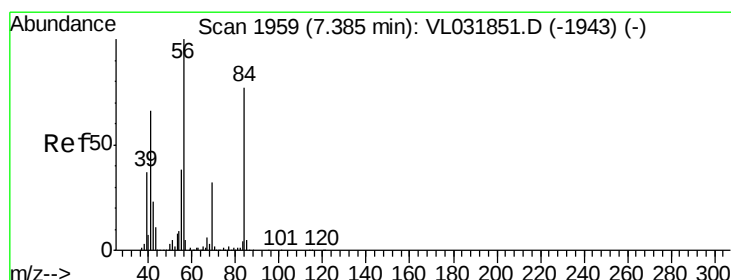
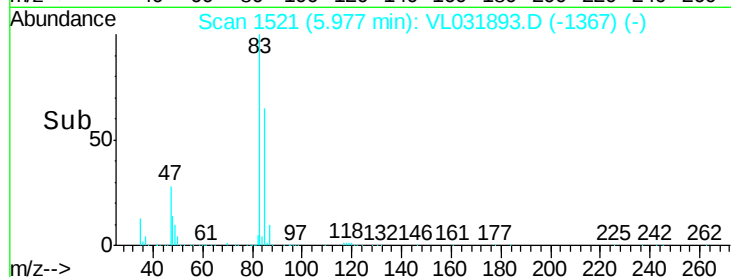
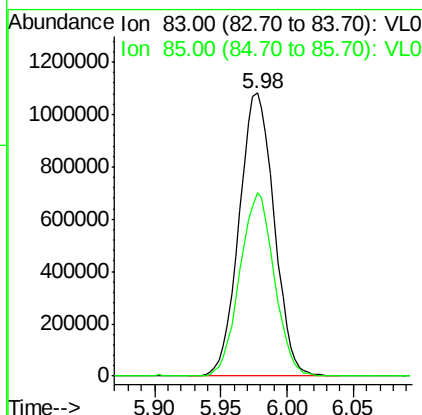
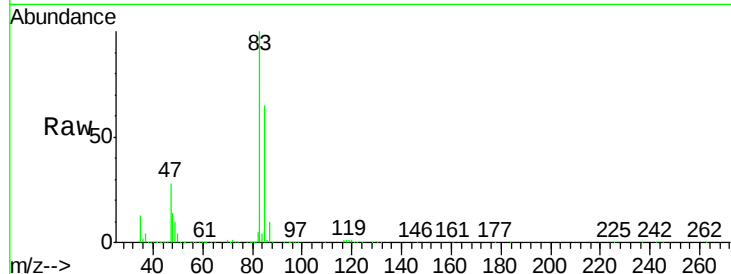
#29
Chloroform
Concen: 8.73 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion: 83 Resp: 1985019
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0

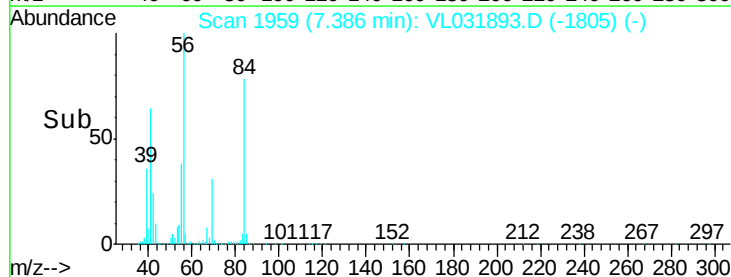
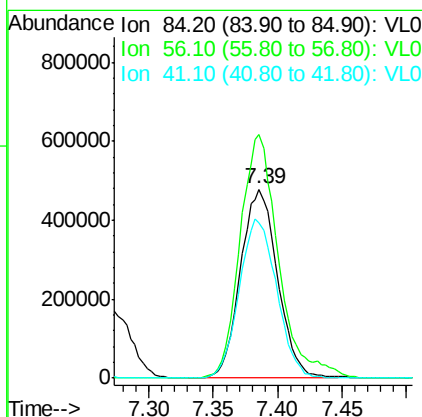
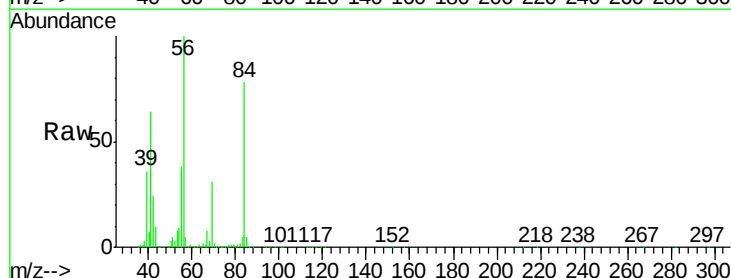
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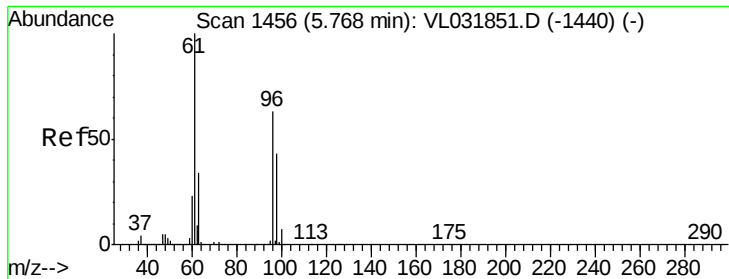
sam
4/23/2018 12:50:44 PM



#30
Cyclohexane
Concen: 9.99 ppbv
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 84 Resp: 956819
Ion Ratio Lower Upper
84 100
56 134.0 107.7 161.5
41 85.0 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 9.23 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 61 Resp: 1121376

Ion Ratio Lower Upper

61 100

96 64.4 47.6 71.4

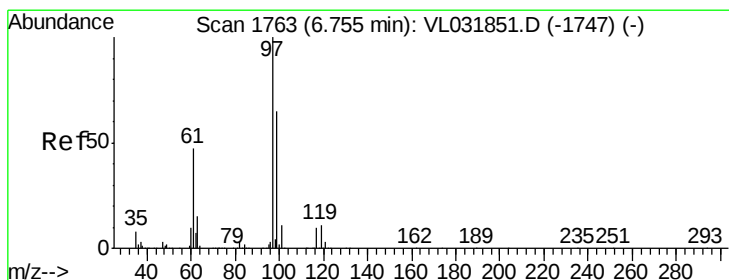
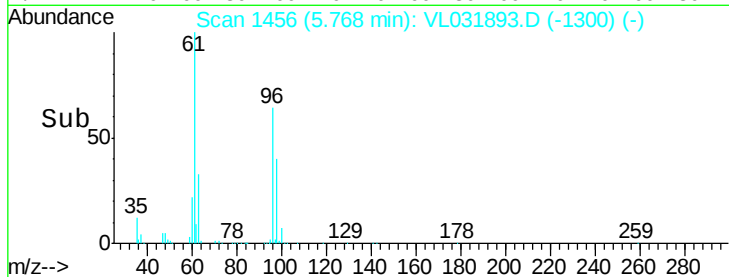
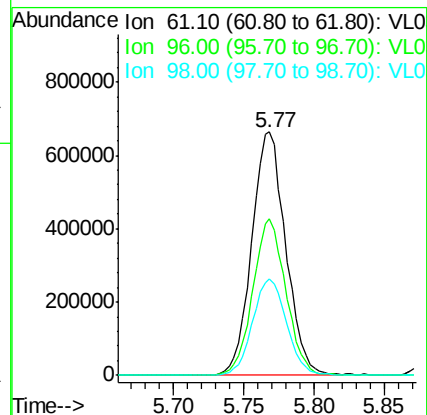
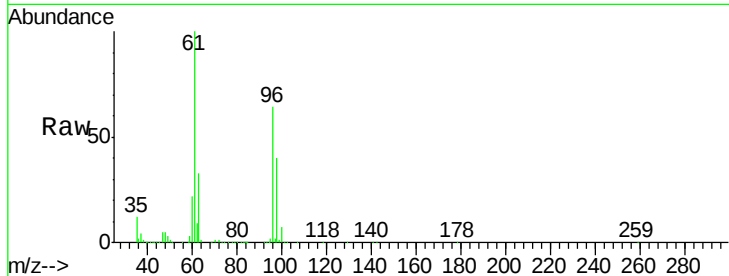
98 39.7 30.3 45.5

Manual Integrations

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sam

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#32

1,1,1-Trichloroethane

Concen: 8.84 ppbv

RT: 6.76 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

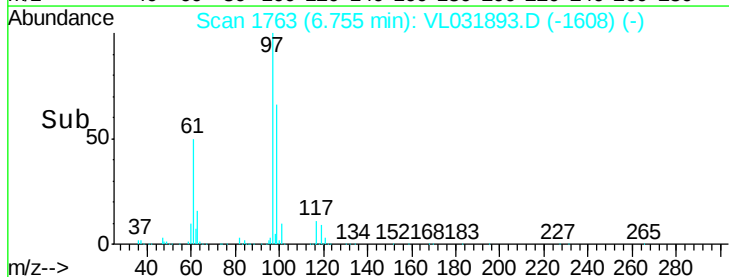
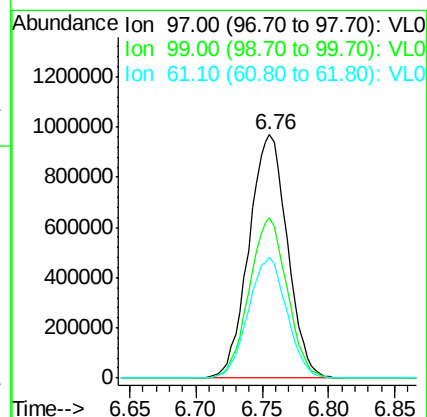
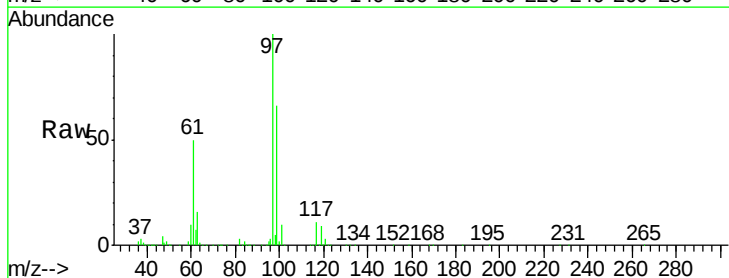
Tgt Ion: 97 Resp: 1955694

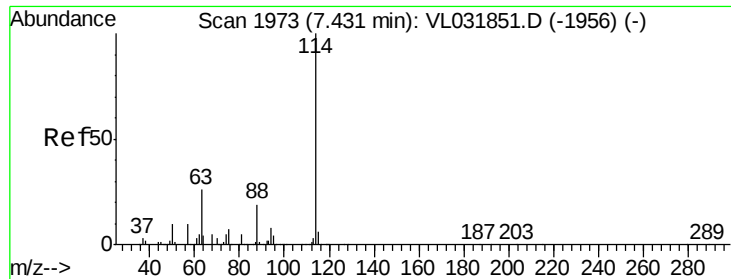
Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

61 49.8 40.0 60.0





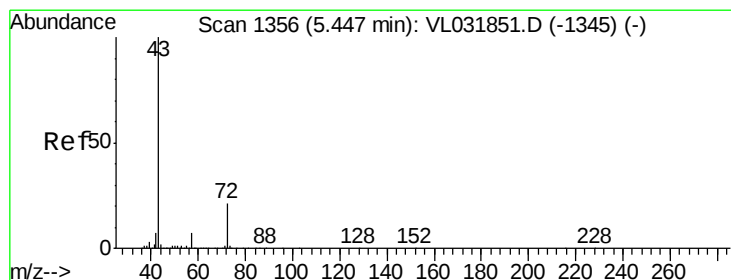
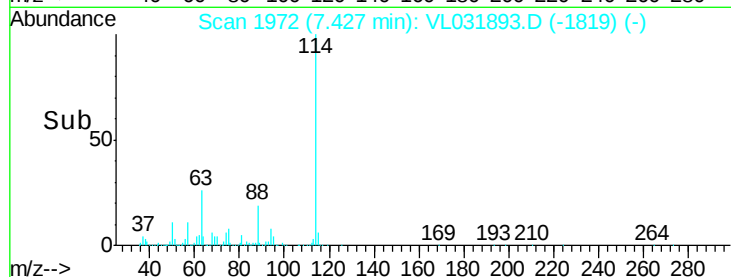
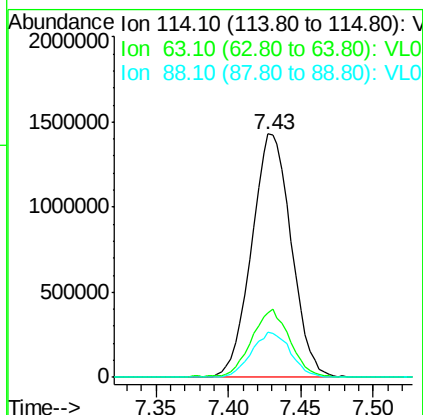
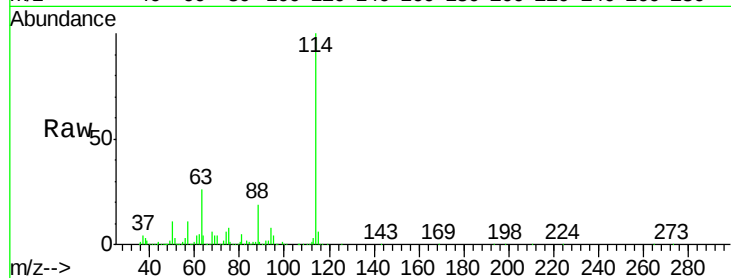
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.8	32.6
88	18.4	14.6	22.0

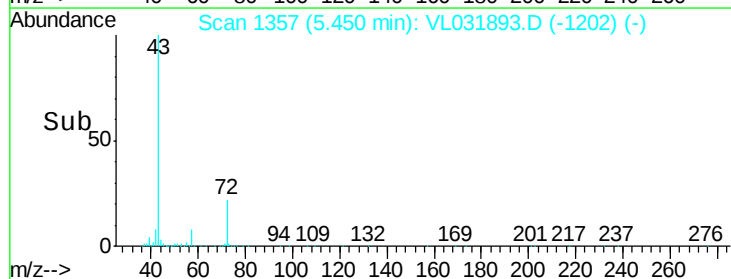
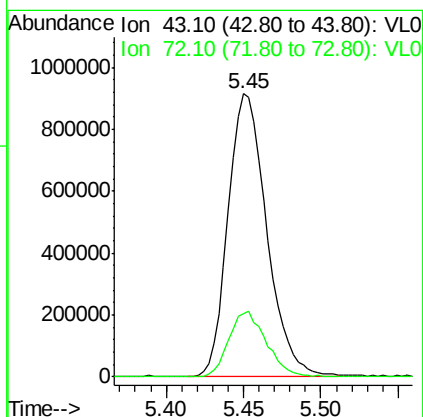
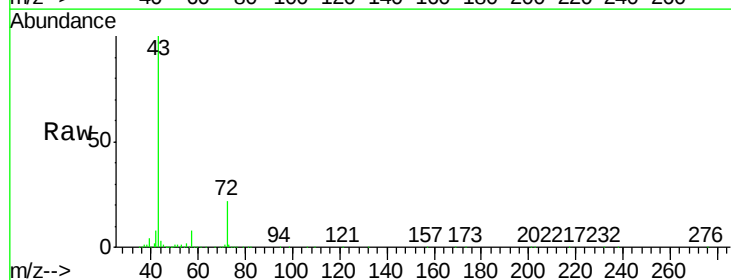
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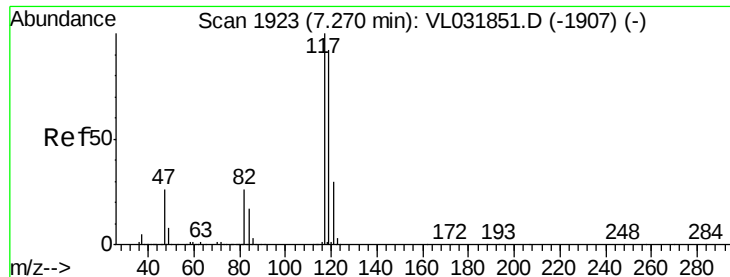
sam
 4/23/2018 12:50:44 PM



#34
 2-Butanone
 Concen: 8.36 ppbv
 RT: 5.45 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.6	27.8





#35

Carbon Tetrachloride

Concen: 8.67 ppbv

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

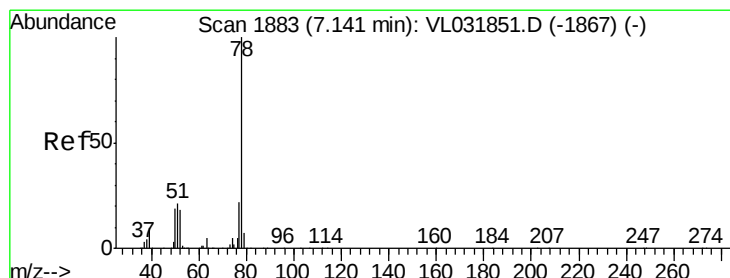
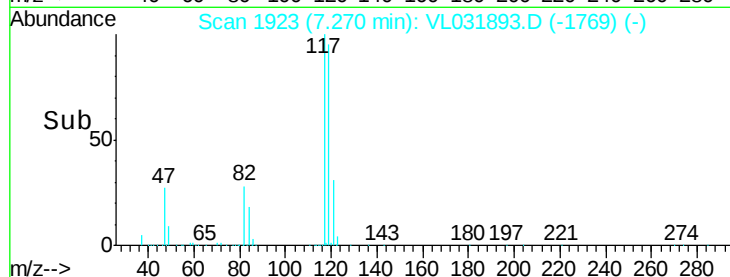
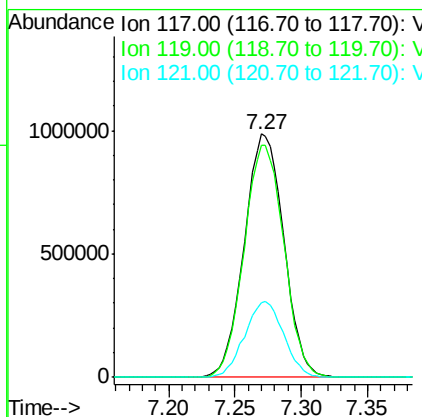
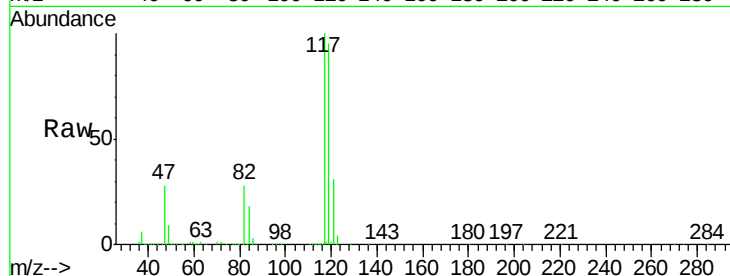
ClientSampleId :

VL0419ABS01

Tot Ion:	117	Resp:	2048457
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
121	30.7	24.5	36.7

Manual Integrations
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sam
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#36

Benzene

Concen: 9.37 ppbv

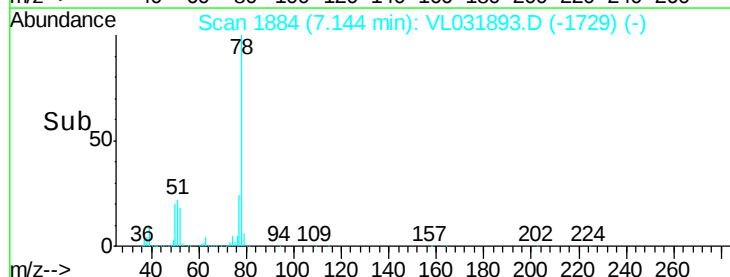
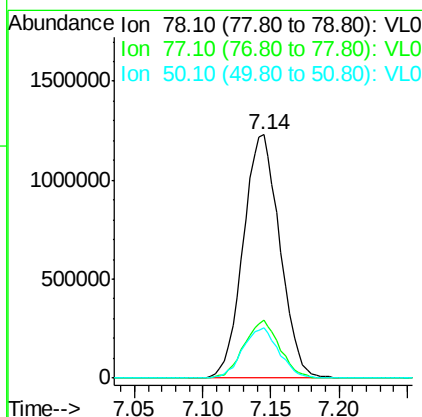
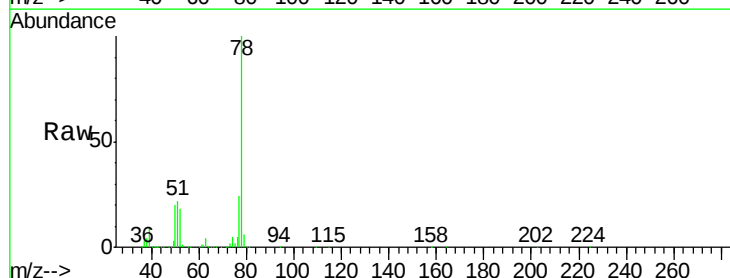
RT: 7.14 min Scan# 1884

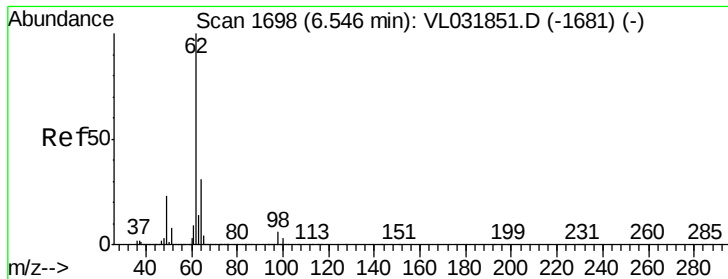
Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tgt Ion:	78	Resp:	2293642
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
50	20.5	16.7	25.1





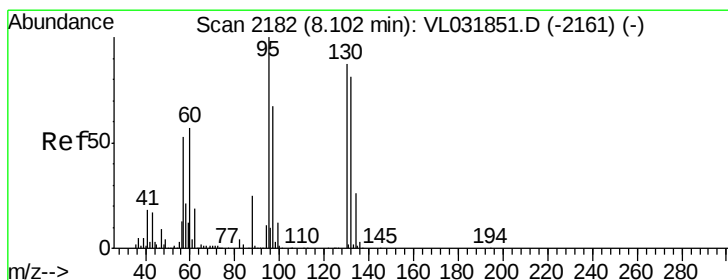
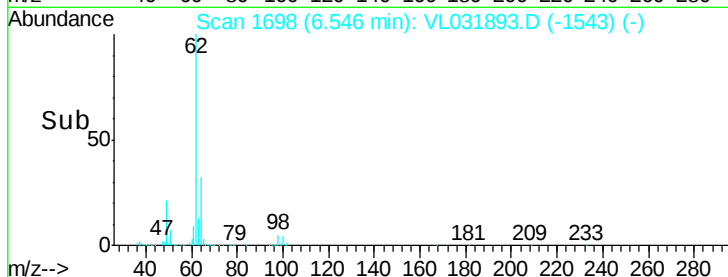
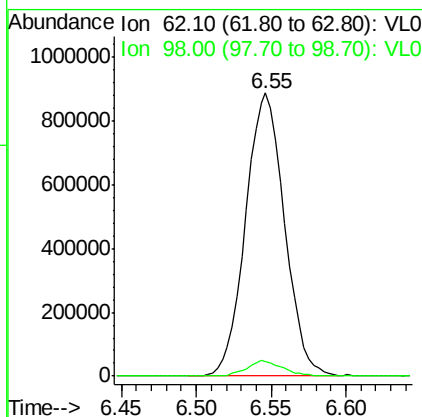
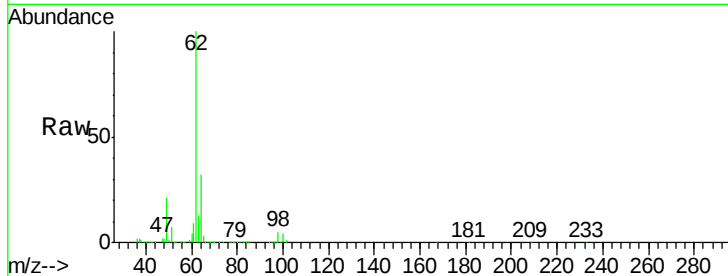
#37
 1,2-Dichloroethane
 Concen: 8.83 ppbv
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.0	6.0

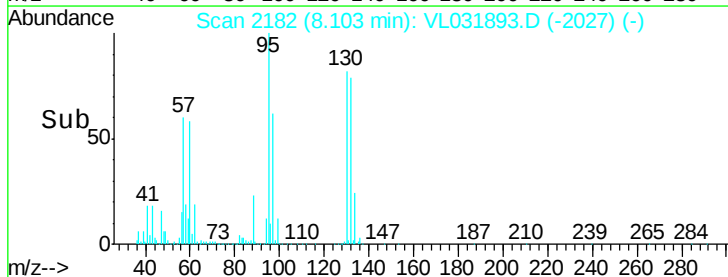
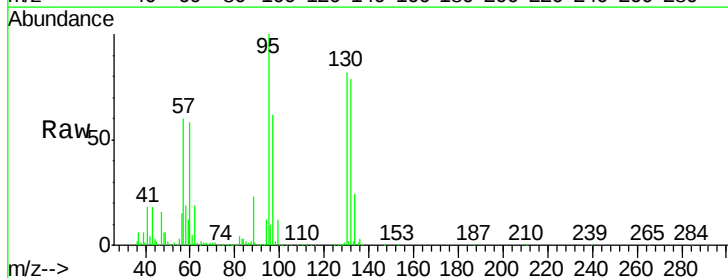
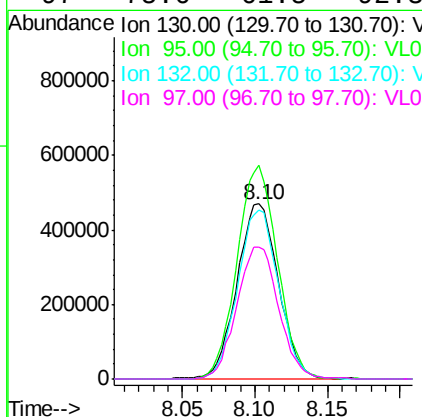
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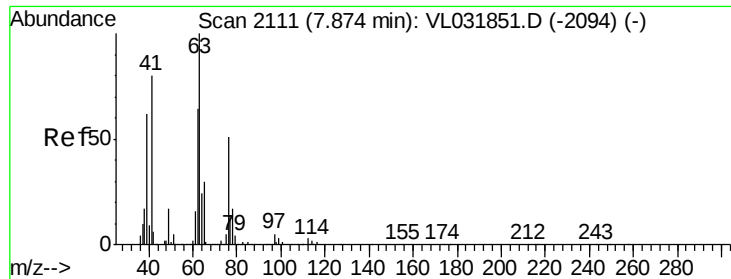
sam
 4/23/2018 12:50:44 PM



#38
 Trichloroethene
 Concen: 9.38 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.0	96.6	144.8
132	96.3	79.1	118.7
97	75.6	61.5	92.3





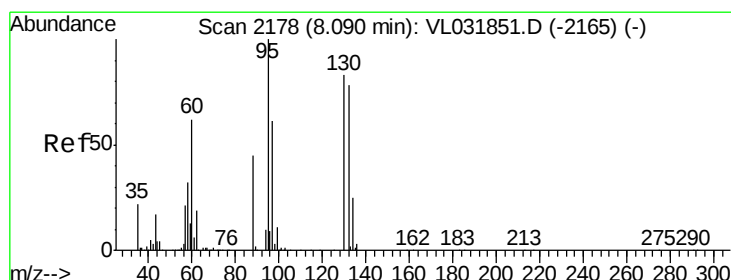
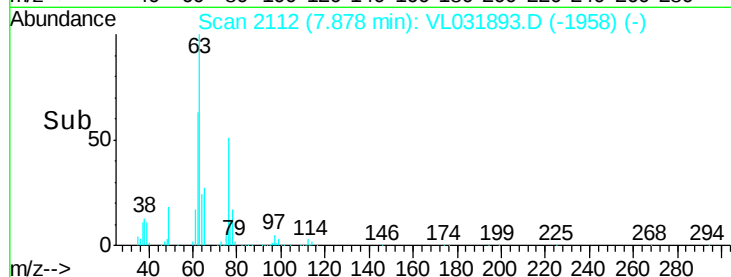
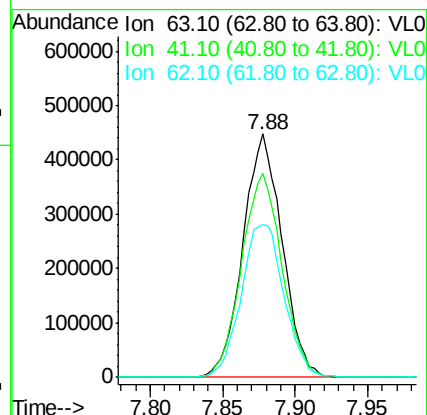
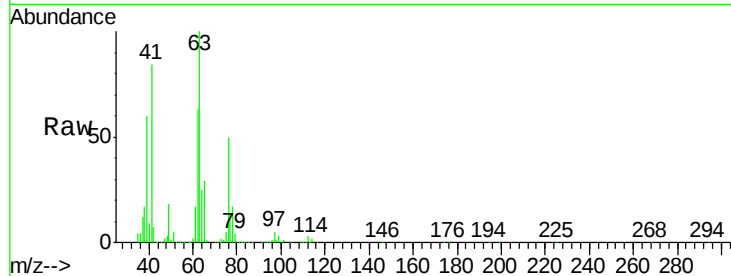
#39
 1,2-Dichloropropane
 Concen: 9.18 ppbv
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	83.8	65.8	98.6
62	62.6	55.0	82.6

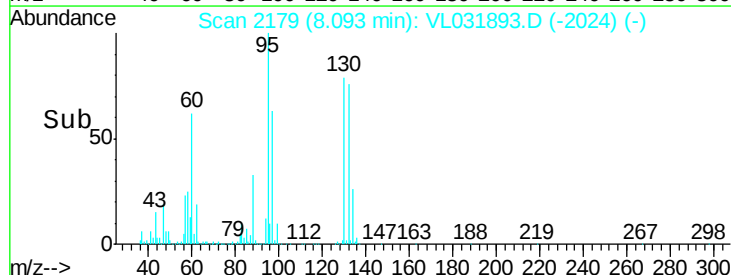
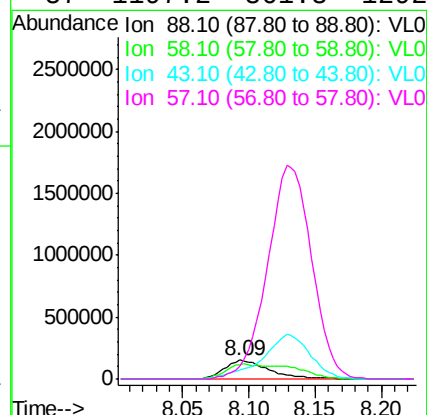
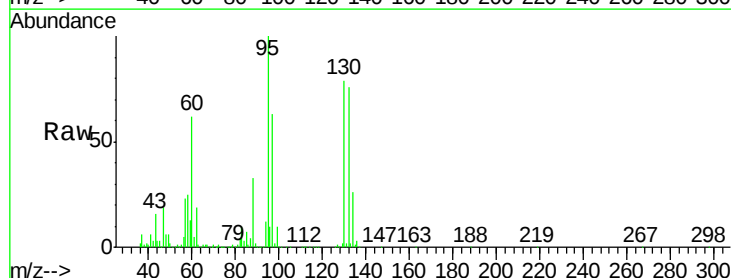
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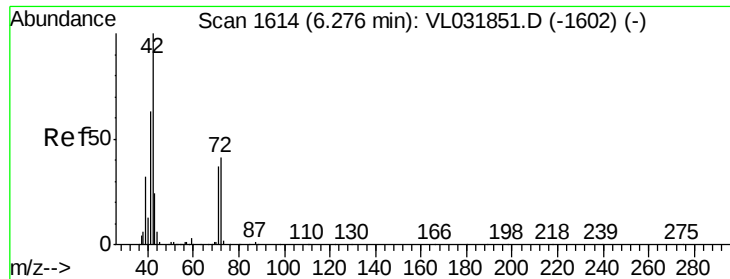
sam
 4/23/2018 12:50:44 PM



#40
 1,4-Dioxane
 Concen: 9.13 ppbv
 RT: 8.09 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.8	98.5	147.7
43	266.6	194.3	291.5
57	1197.2	861.8	1292.6





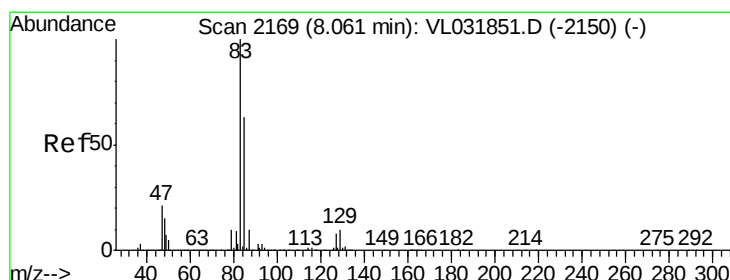
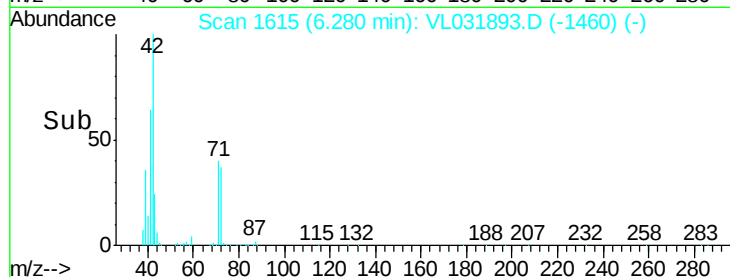
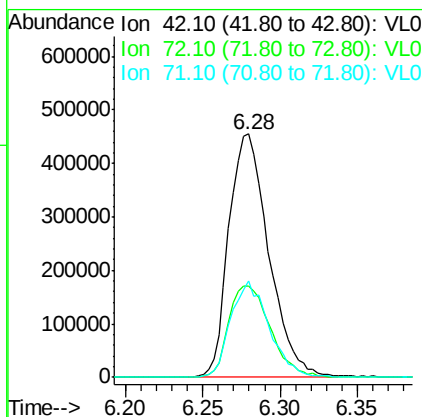
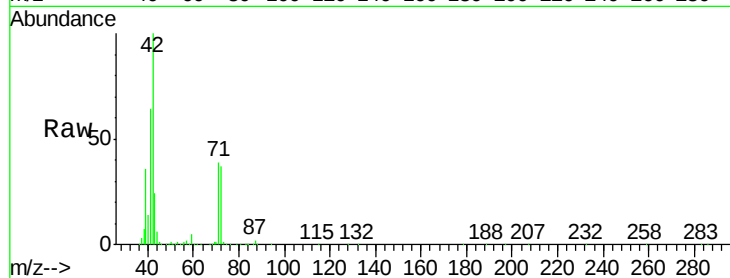
#41
Tetrahydrofuran
Concen: 9.34 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	33.2	49.8
71	38.2	31.5	47.3

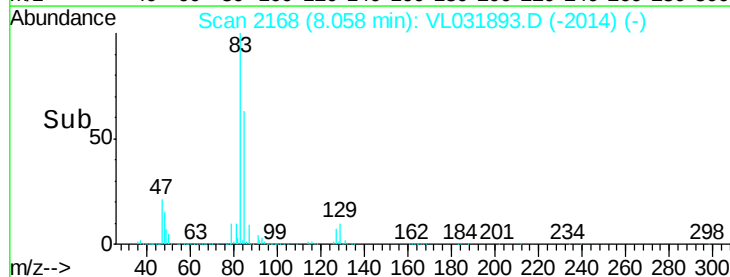
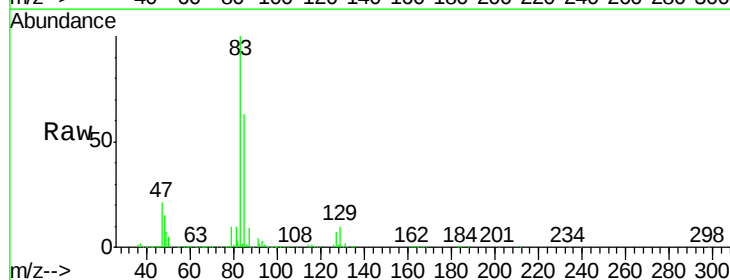
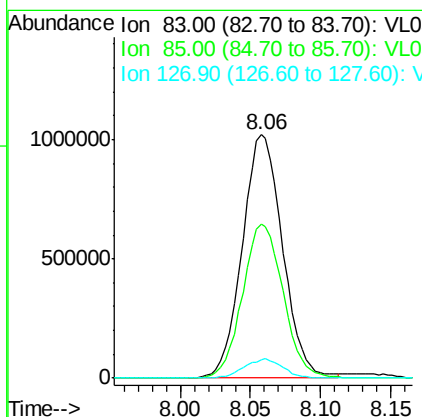
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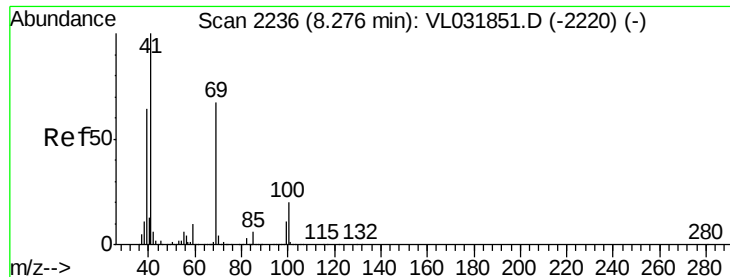
sam
4/23/2018 12:50:44 PM



#42
Bromodichloromethane
Concen: 9.36 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.5	75.7
127	7.3	6.0	9.0





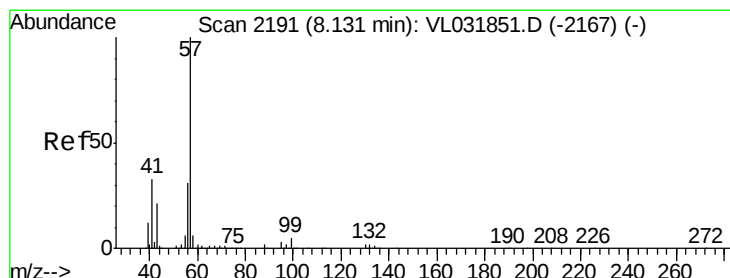
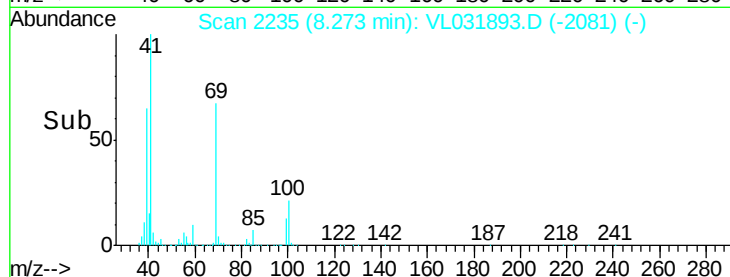
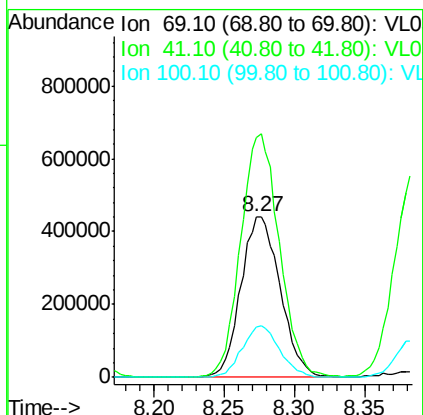
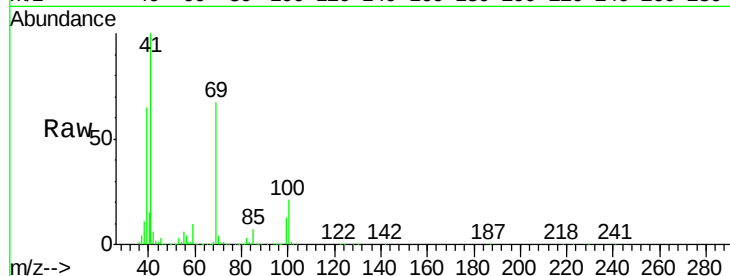
#43
Methvl Methacrilate
Concen: 10.01 ppbv
RT: 8.27 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.5	117.8	176.8
100	30.6	24.6	37.0

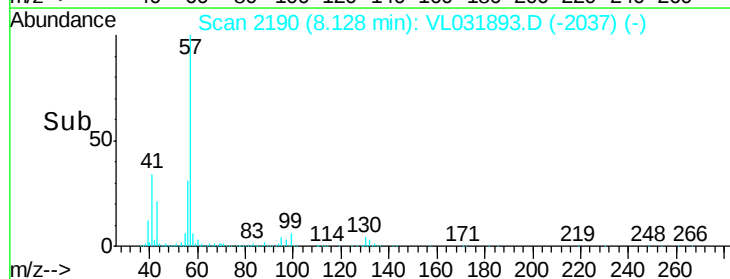
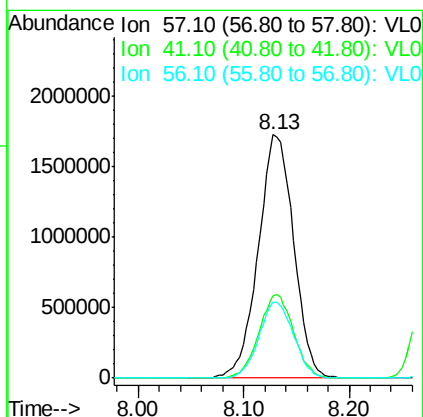
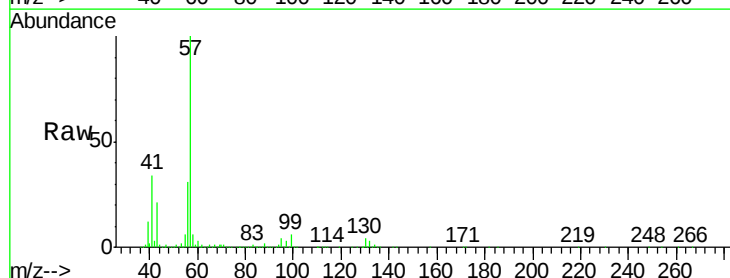
Manual Integrations
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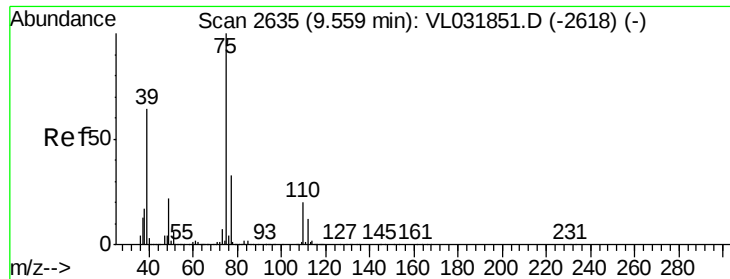
sam
4/23/2018 12:50:44 PM



#44
2,2,4-Trimethylpentane
Concen: 9.56 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.5	27.0	40.6
56	30.6	24.1	36.1





#45

t-1,3-Dichloropropene

Concen: 10.85 ppbv

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 75 Resp: 1211749

Ion Ratio Lower Upper

75 100

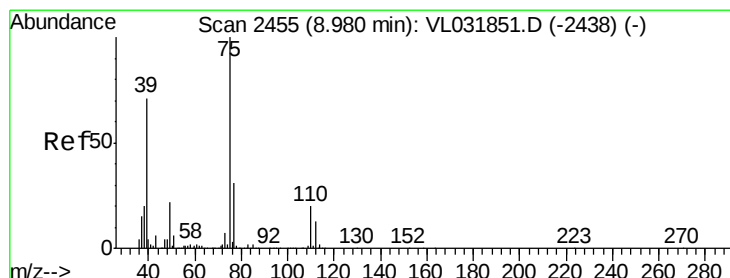
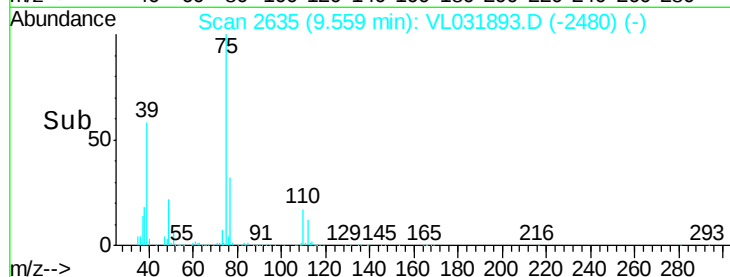
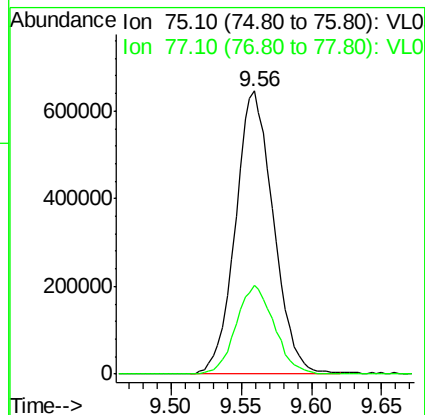
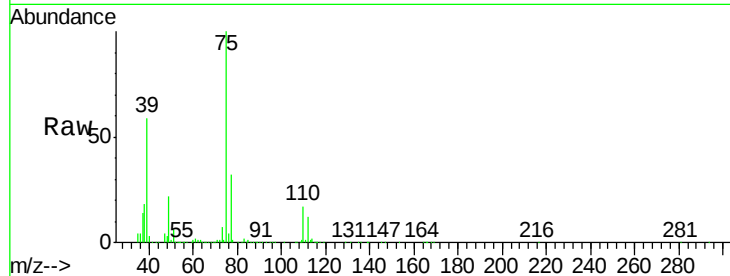
77 31.6 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 10.51 ppbv

RT: 8.98 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

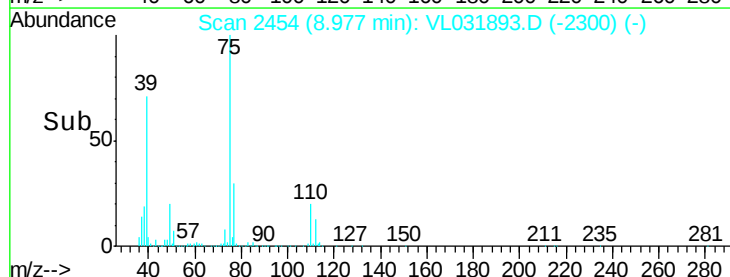
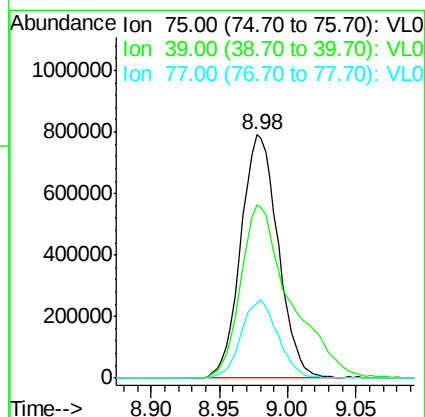
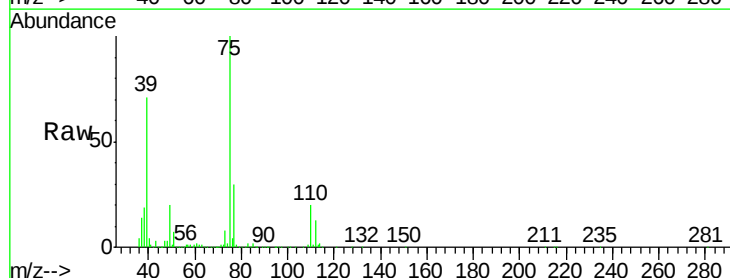
Tgt Ion: 75 Resp: 1500157

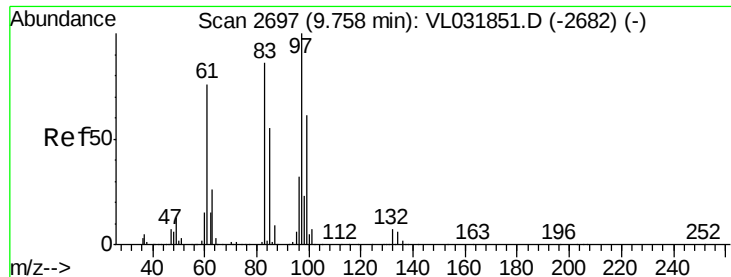
Ion Ratio Lower Upper

75 100

39 71.2 58.6 87.8

77 30.4 26.8 40.2





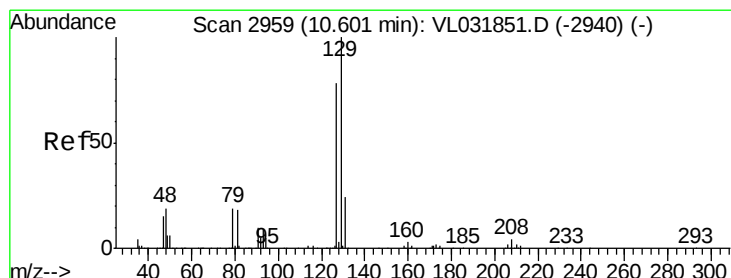
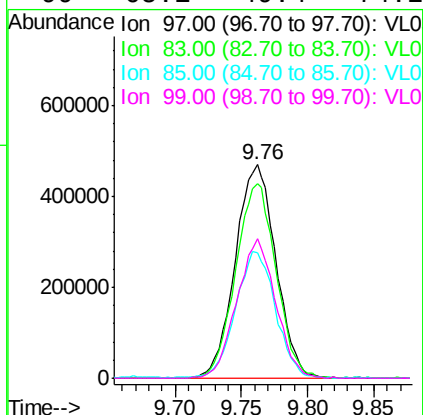
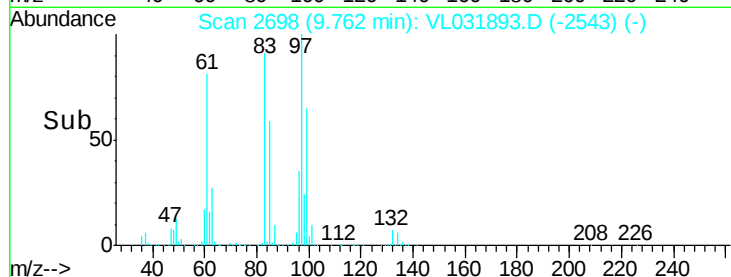
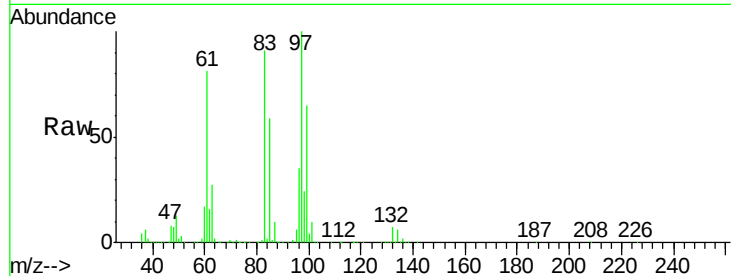
#47
 1,1,2-Trichloroethane
 Concen: 9.22 ppbv
 RT: 9.76 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion:	97	Resp:	997561
Ion Ratio	Lower	Upper	
97	100		
83	90.9	69.1	103.7
85	58.7	43.7	65.5
99	65.1	49.4	74.2

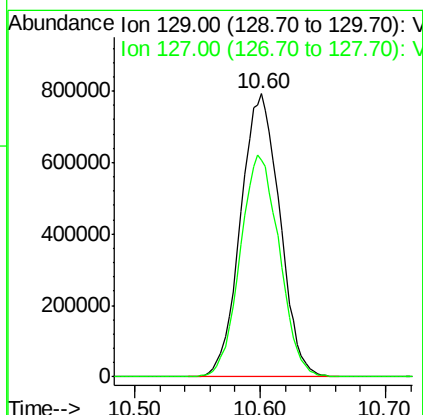
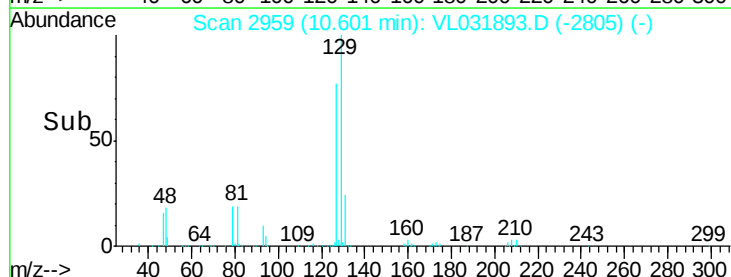
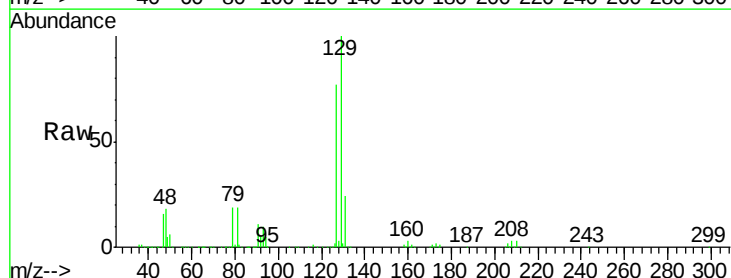
Manual Integrations
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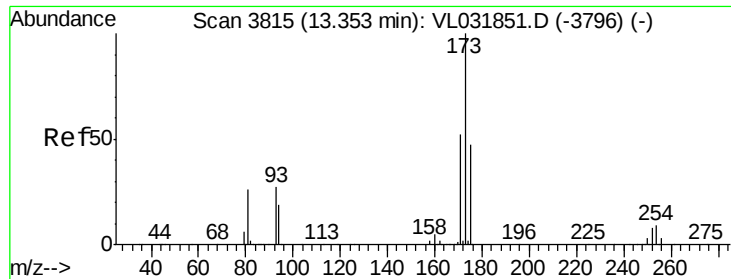
sam
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#48
 Dibromochloromethane
 Concen: 9.83 ppbv
 RT: 10.60 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:	129	Resp:	1718542
Ion Ratio	Lower	Upper	
129	100		
127	78.7	39.1	117.5





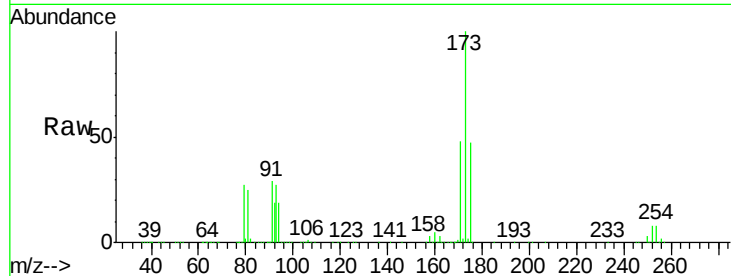
#49
Bromoform
Concen: 10.28 ppbv
RT: 13.36 min Scan# 3816
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

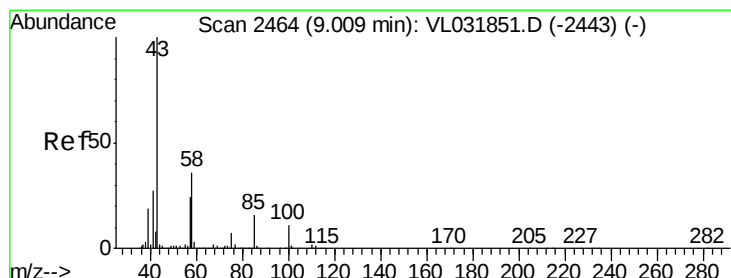
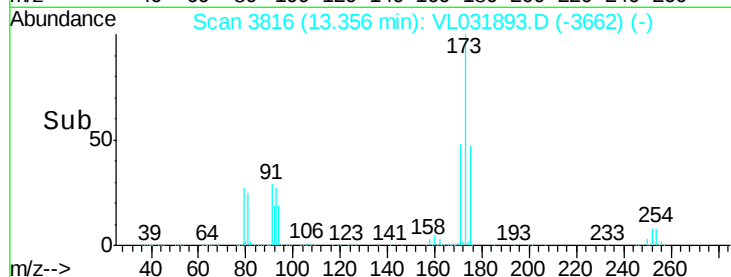
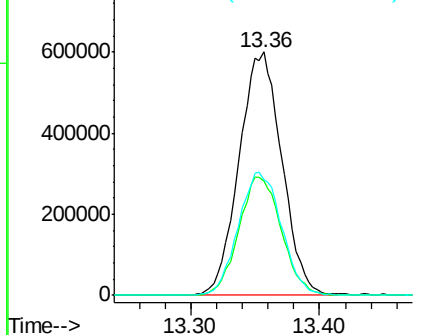
Tot Ion:173 Resp: 1382799
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.6
171 51.3 41.4 62.0

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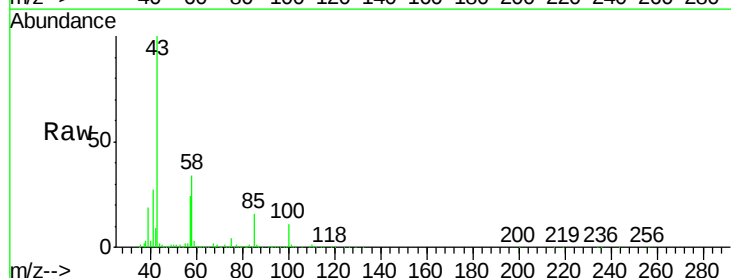


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

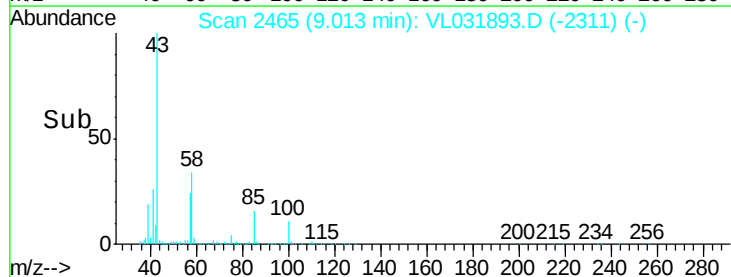
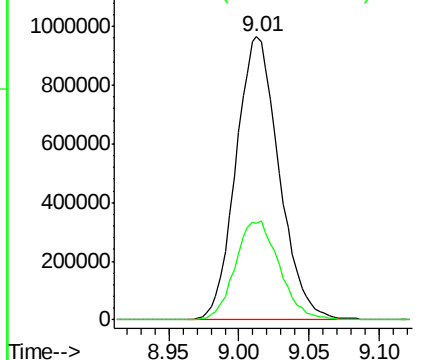


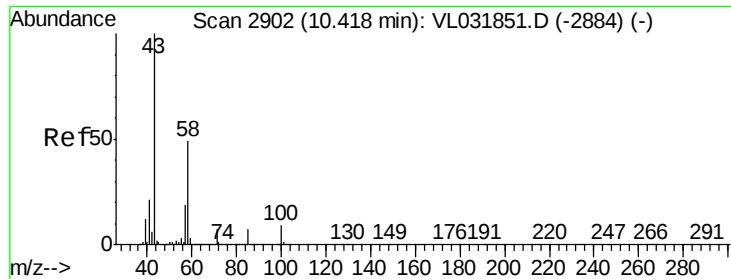
#50
4-Methyl-2-Pentanone
Concen: 9.53 ppbv
RT: 9.01 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 43 Resp: 2058659
Ion Ratio Lower Upper
43 100
58 36.0 28.6 43.0



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





#51

2-Hexanone

Concen: 9.73 ppbv

RT: 10.42 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

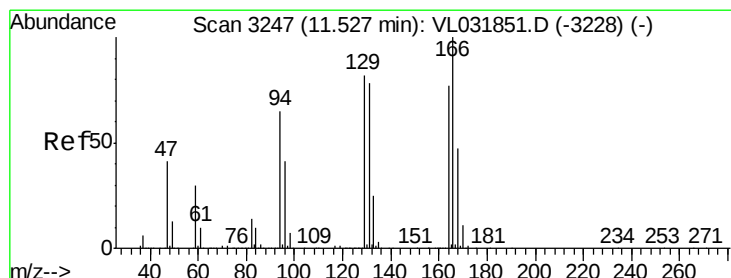
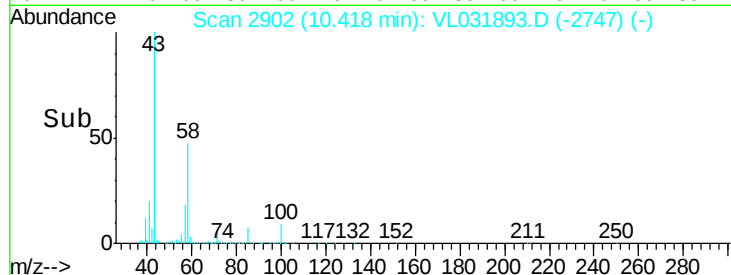
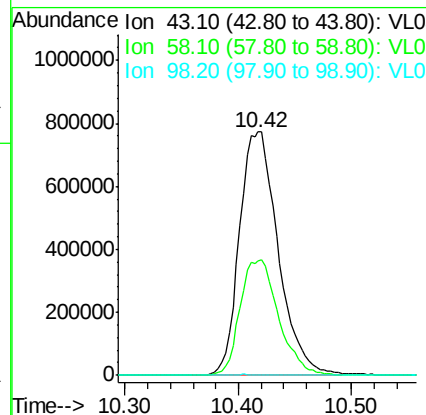
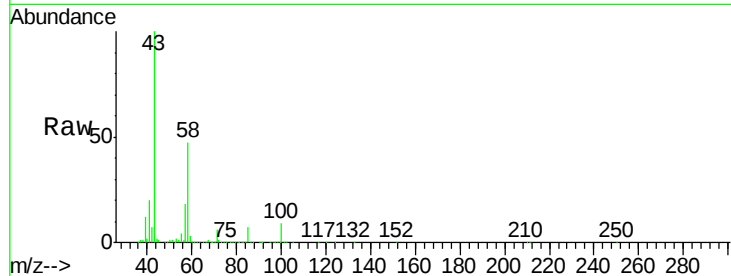
ClientSampleId :

VL0419ABS01

Tot Ion:	43	Resp:	1837855
Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.5	57.7
98	0.2	0.2	0.4

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#52

Tetrachloroethene

Concen: 9.15 ppbv

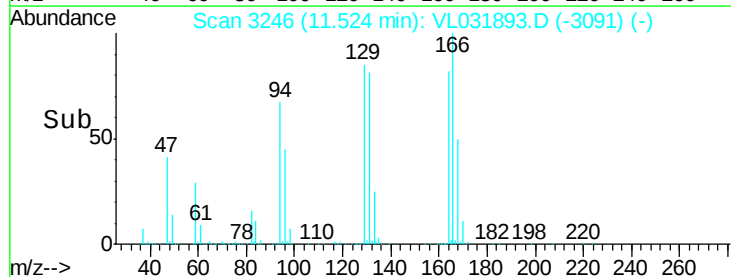
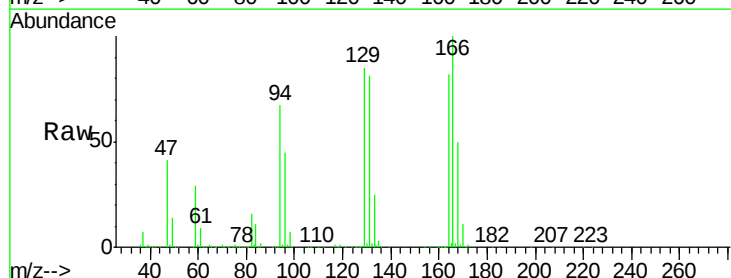
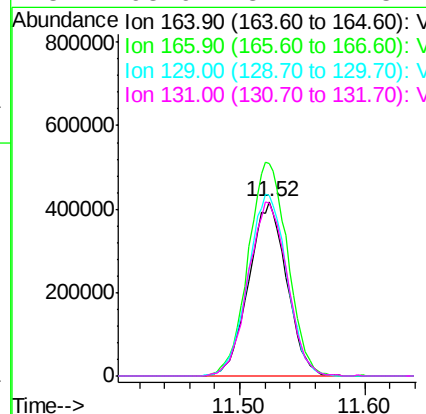
RT: 11.52 min Scan# 3246

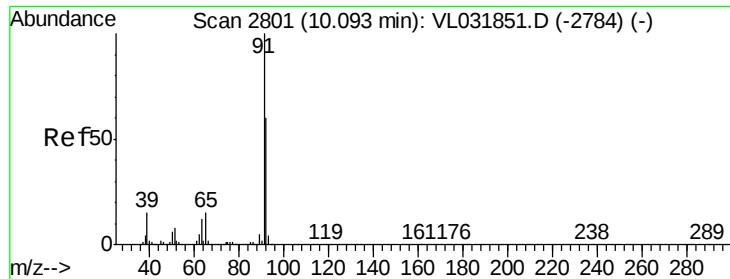
Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tgt Ion:	164	Resp:	872714
Ion	Ratio	Lower	Upper
164	100		
166	122.1	98.2	147.4
129	103.5	86.5	129.7
131	98.9	82.2	123.2





#53

Toluene

Concen: 10.14 ppbv

RT: 10.09 min Scan# 2801

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 91 Resp: 2768503

Ion Ratio Lower Upper

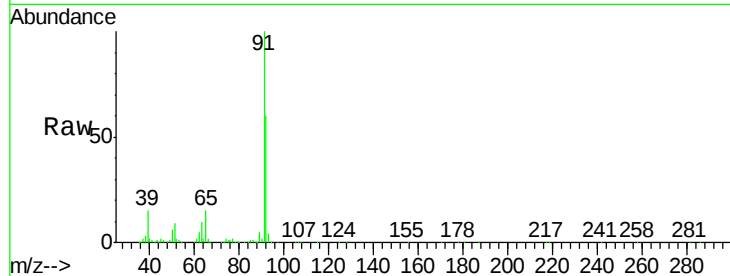
91 100

92 59.7 47.4 71.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

10.09

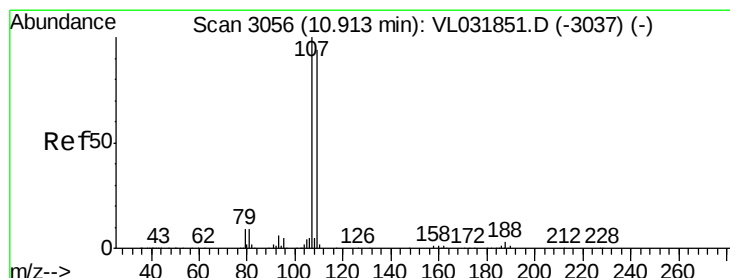
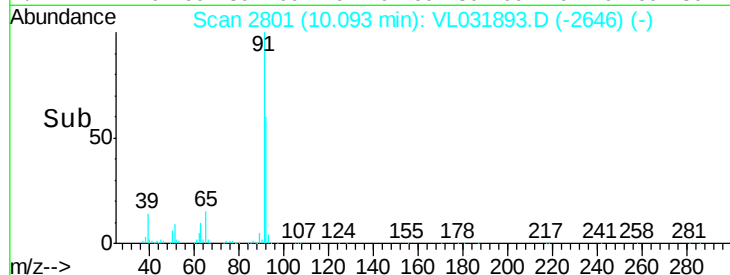
1500000

1000000

500000

0

Time--> 10.00 10.05 10.10 10.15



#54

1,2-Dibromoethane

Concen: 9.62 ppbv

RT: 10.91 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VL031893.D

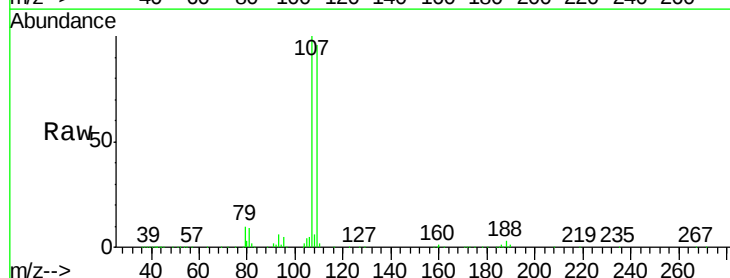
Acq: 20 Apr 2018 00:52

Tgt Ion:107 Resp: 1509583

Ion Ratio Lower Upper

107 100

109 95.8 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.91

800000

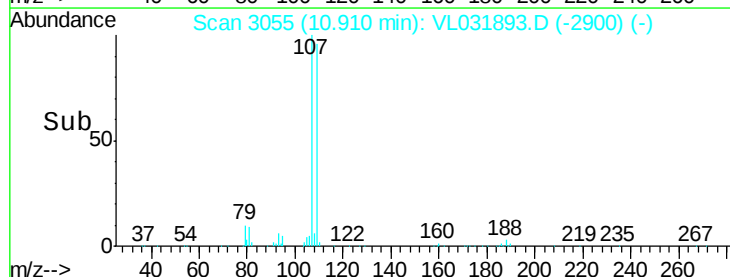
600000

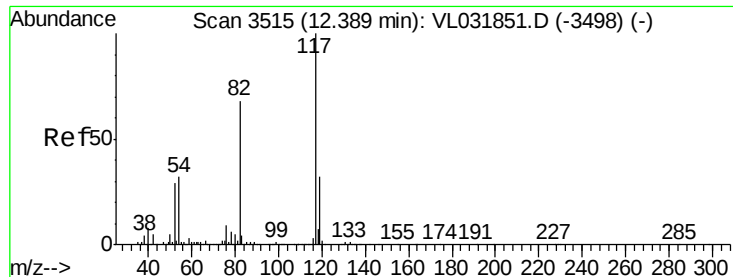
400000

200000

0

Time--> 10.85 10.90 10.95 11.00





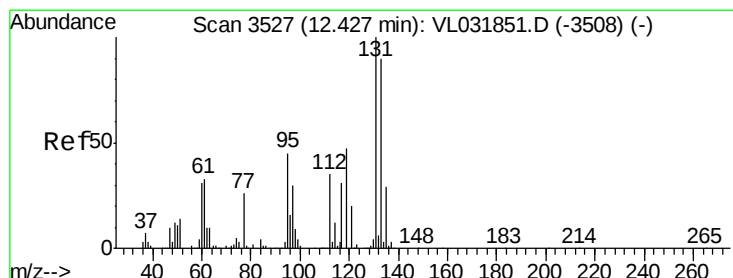
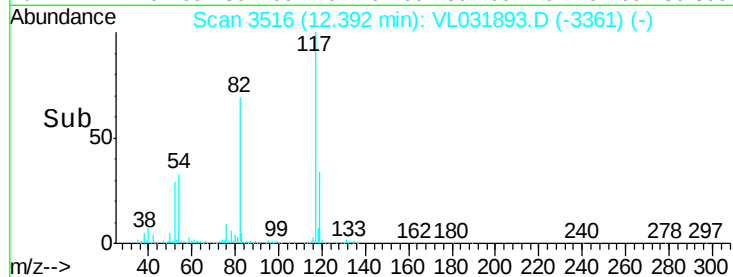
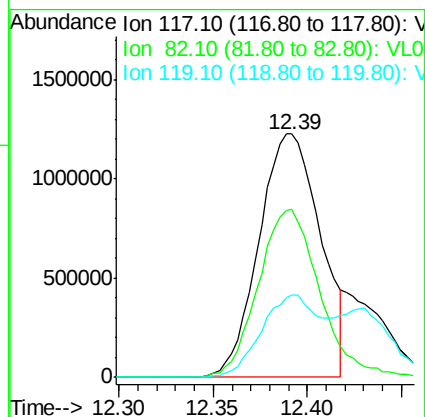
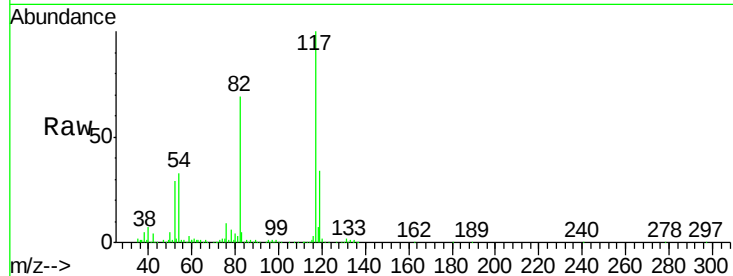
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.39 min Scan# 3516
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.4	54.6	81.8
119	57.5	26.0	39.0

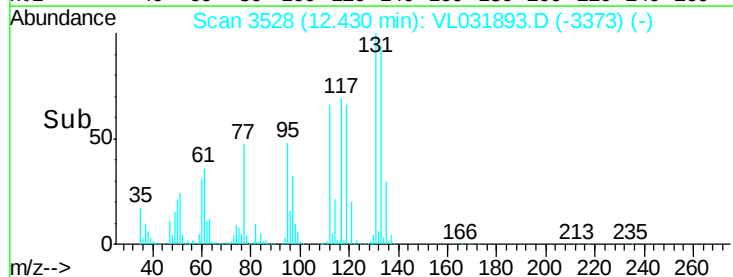
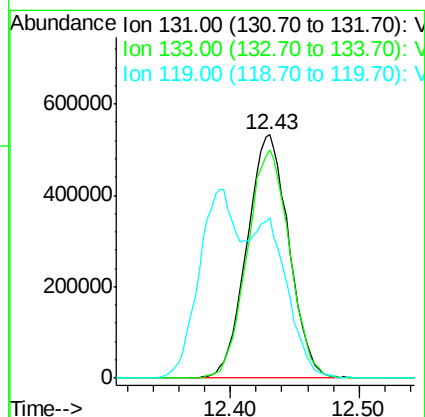
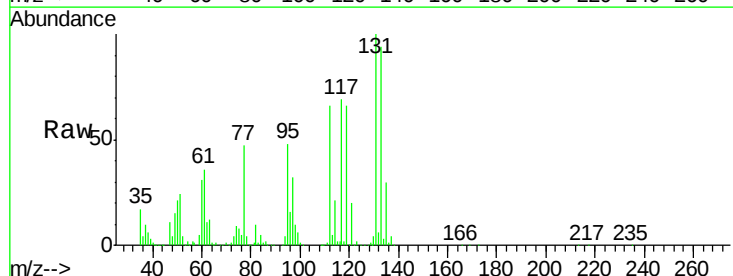
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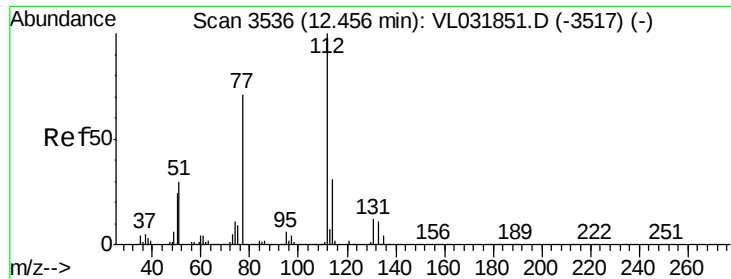
sam
4/23/2018 12:50:44 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.20 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.1	114.1
119	132.8	106.3	159.5





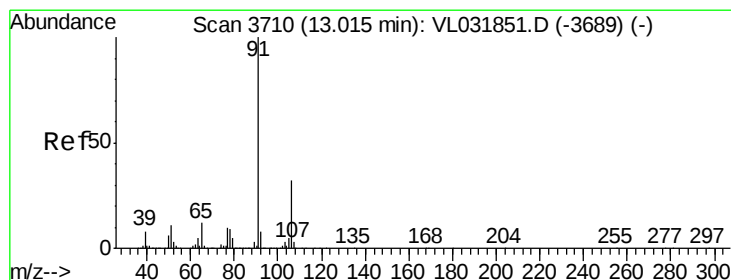
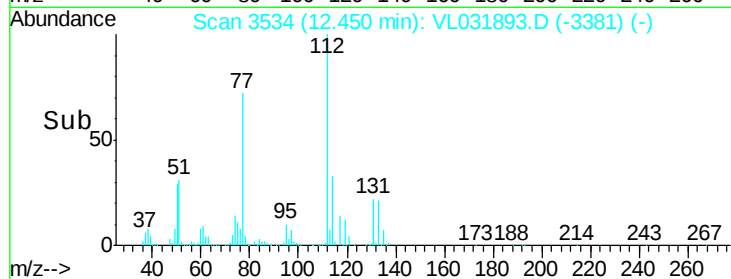
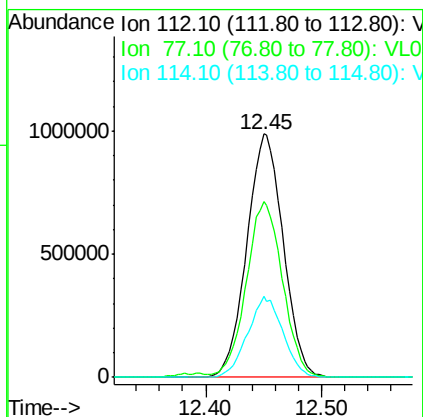
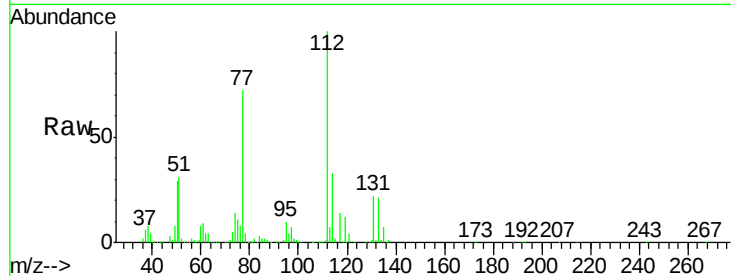
#57
Chlorobenzene
Concen: 9.14 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.01 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.7	57.0	85.6
114	33.4	28.5	34.9

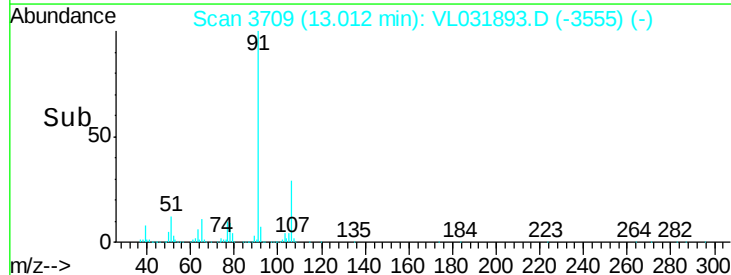
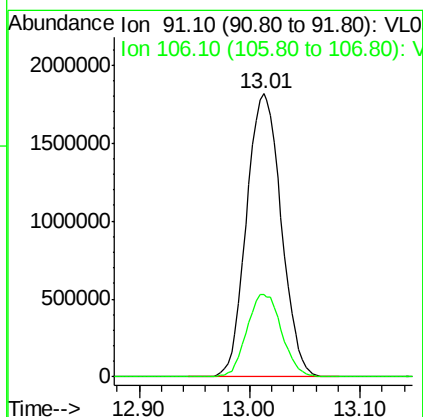
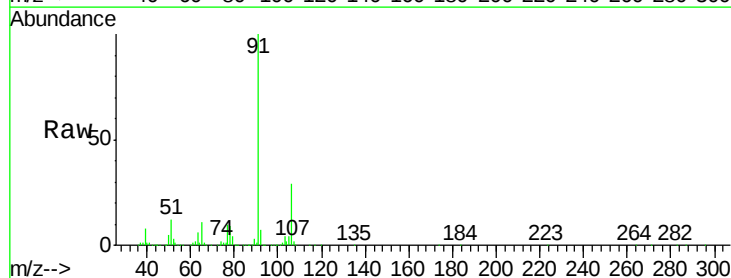
Manual Integrations
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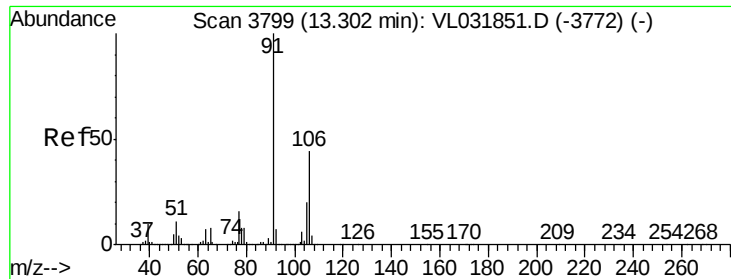
sam
4/23/2018 12:50:44 PM



#58
Ethyl Benzene
Concen: 10.24 ppbv
RT: 13.01 min Scan# 3709
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.8	35.6





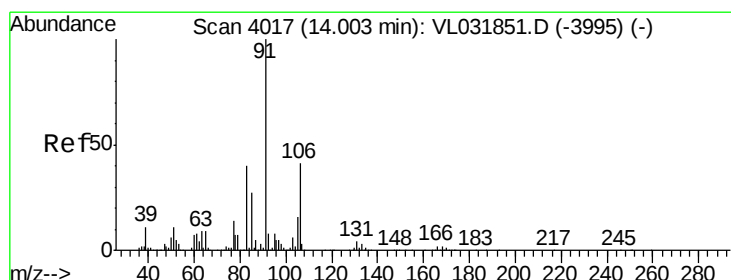
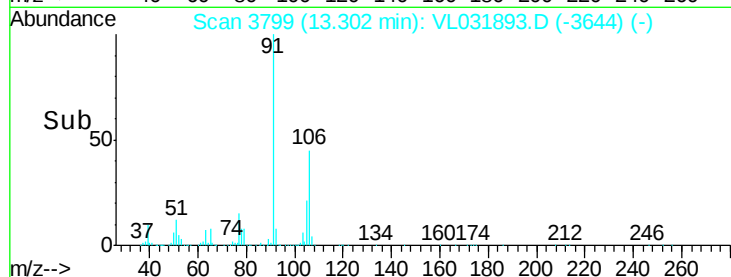
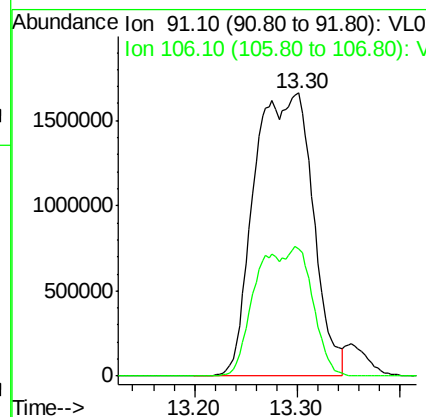
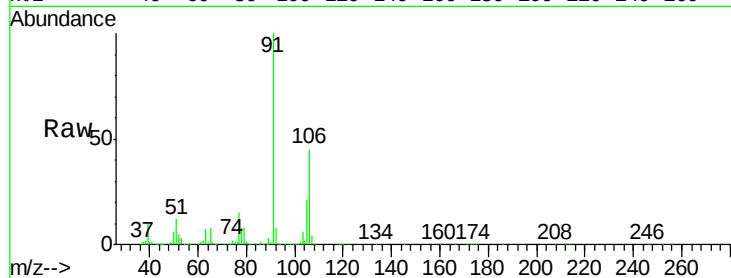
#59
m/p-Xylene
Concen: 19.60 ppbv m
RT: 13.30 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion: 91 Resp: 6582753
Ion Ratio Lower Upper
91 100
106 44.1 35.5 53.3

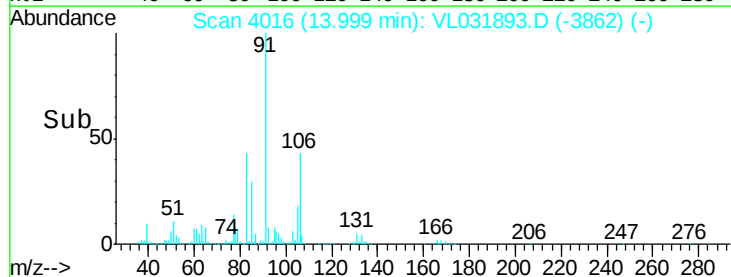
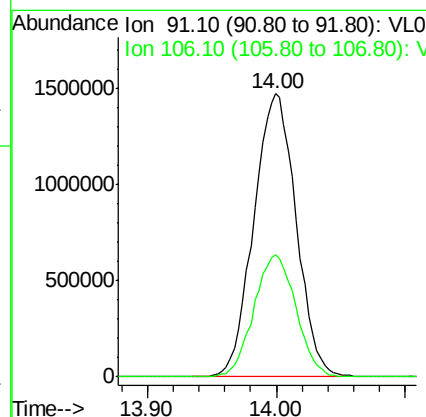
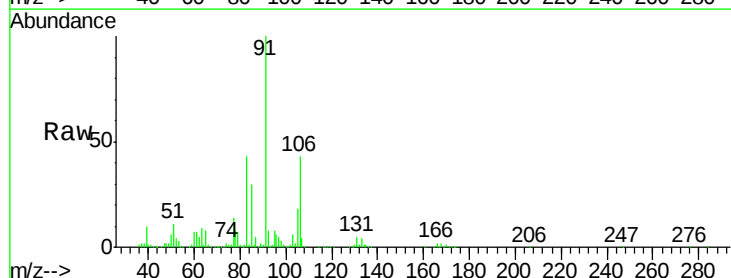
Manual Integrations
APPROVED

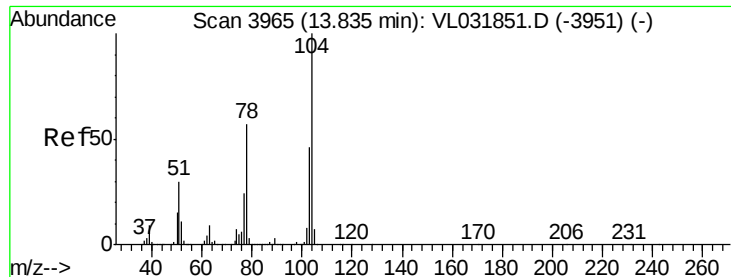
sam
4/23/2018 12:50:44 PM



#60
o-Xylene
Concen: 10.02 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 91 Resp: 3363359
Ion Ratio Lower Upper
91 100
106 42.8 21.3 63.9





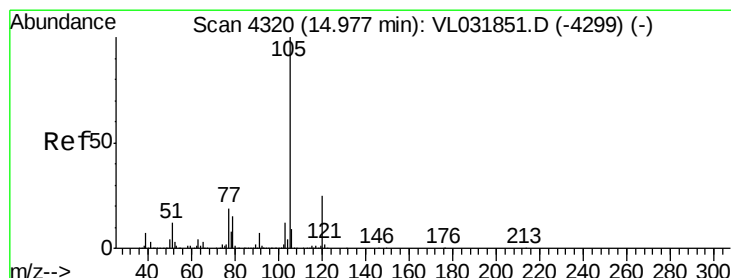
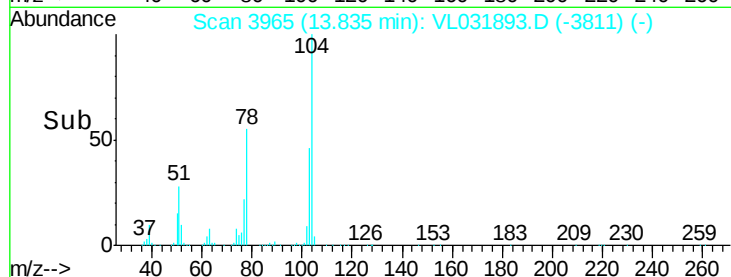
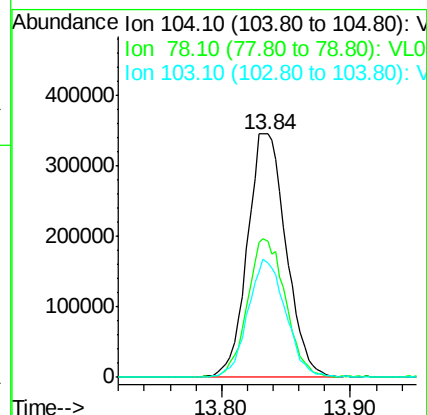
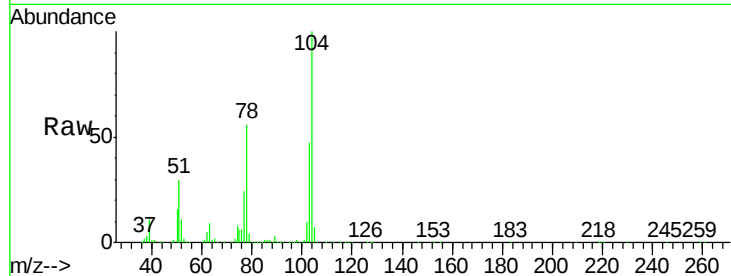
#61
Stvrene
Concen: 11.31 ppbv
RT: 13.84 min Scan# 3965
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	44.4	66.6
103	47.3	37.9	56.9

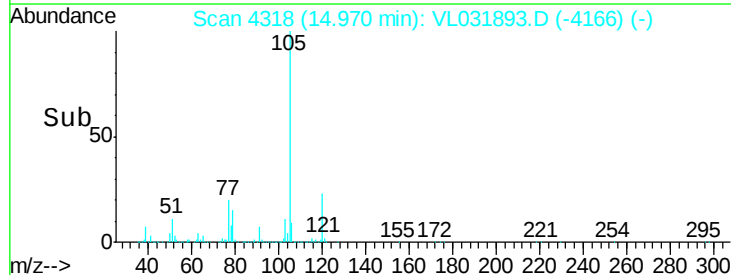
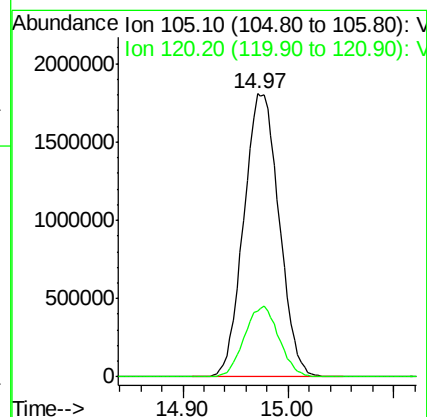
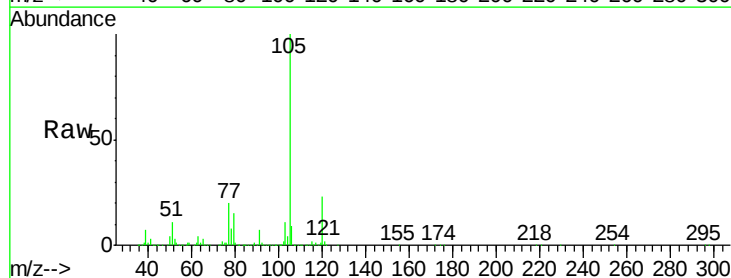
Manual Integrations
APPROVED

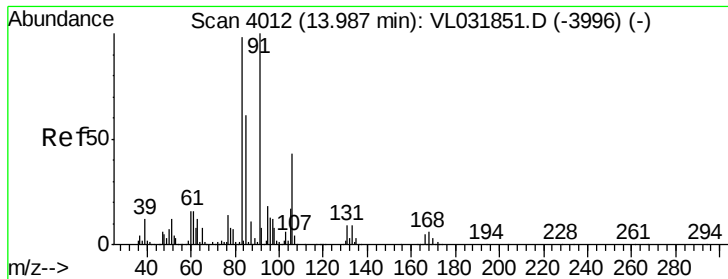
sam
4/23/2018 12:50:44 PM



#62
Isopropylbenzene
Concen: 9.79 ppbv
RT: 14.97 min Scan# 4318
Delta R.T. -0.01 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	19.4	29.2





#63

1,1,2,2-Tetrachloroethane

Concen: 8.78 ppbv

RT: 13.98 min Scan# 4011

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 83 Resp: 2265683

Ion Ratio Lower Upper

83 100

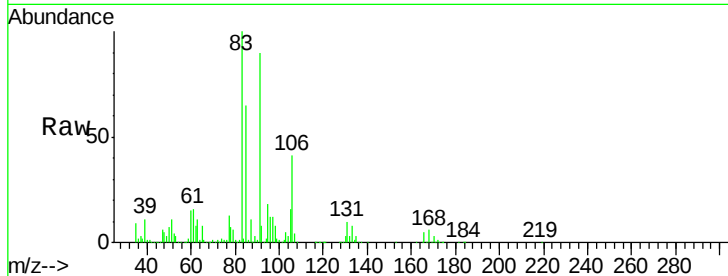
131 9.5 4.9 14.6

85 65.1 32.2 96.6

Manual Integrations
APPROVED

sam

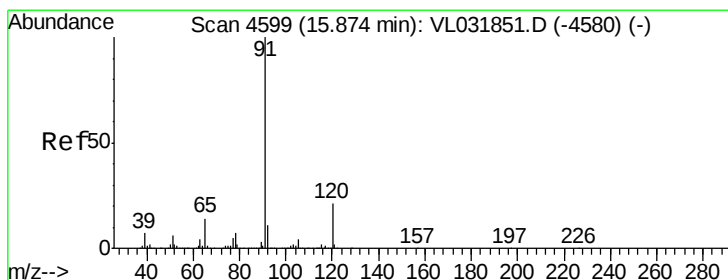
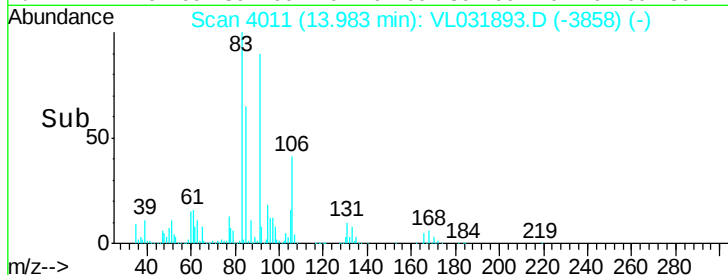
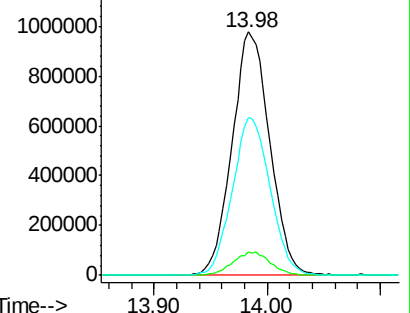
4/23/2018 12:50:44 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.93 ppbv

RT: 15.87 min Scan# 4598

Delta R.T. -0.01 min

Lab File: VL031893.D

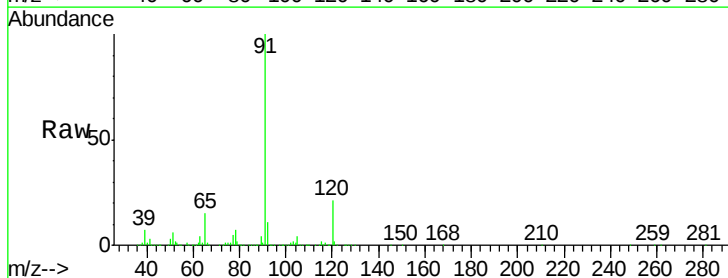
Acq: 20 Apr 2018 00:52

Tgt Ion: 120 Resp: 1041343

Ion Ratio Lower Upper

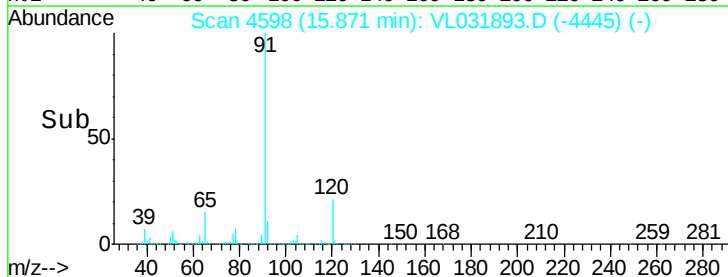
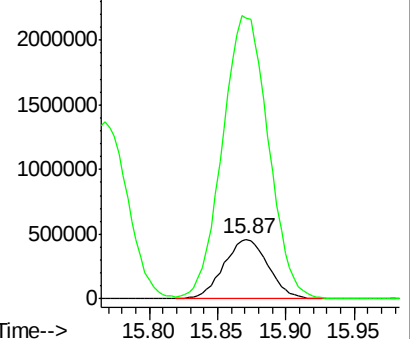
120 100

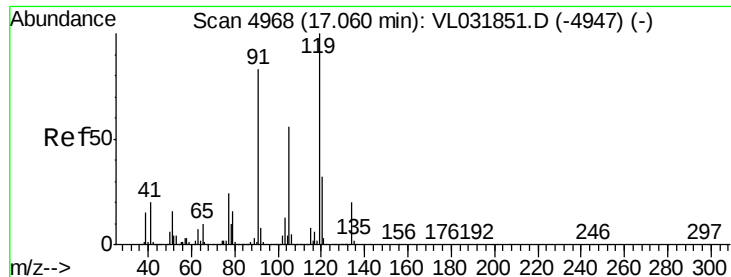
91 492.9 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.81 ppbv

RT: 17.06 min Scan# 4967

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion:119 Resp: 3639587

Ion Ratio Lower Upper

119 100

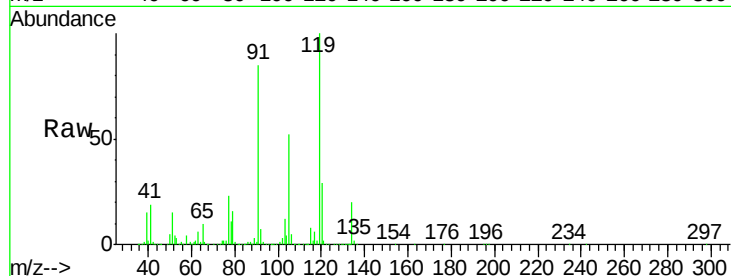
91 86.7 69.4 104.0

134 19.7 15.4 23.2

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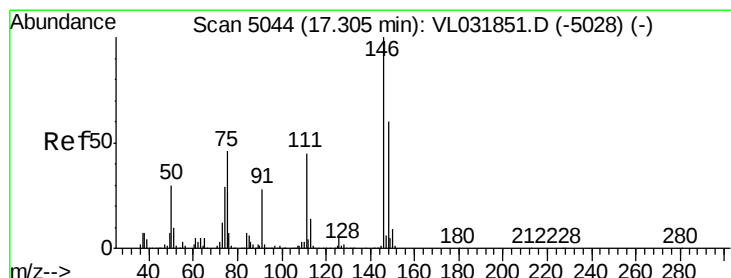
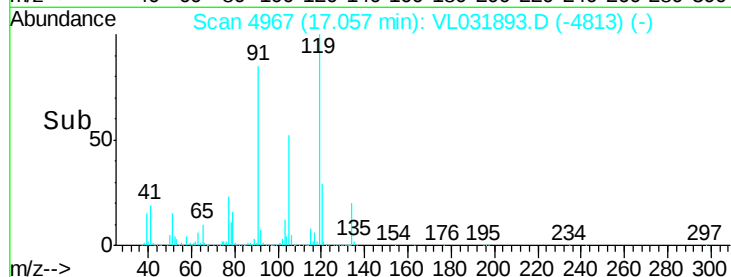
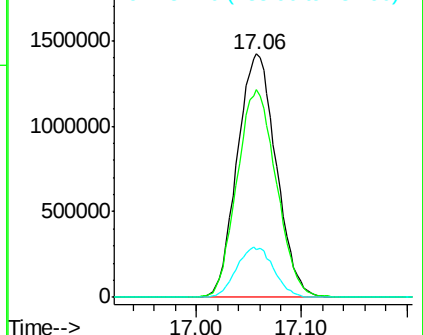
4/23/2018 12:50:44 PM



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: 12.81 ppbv m

RT: 17.30 min Scan# 5043

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

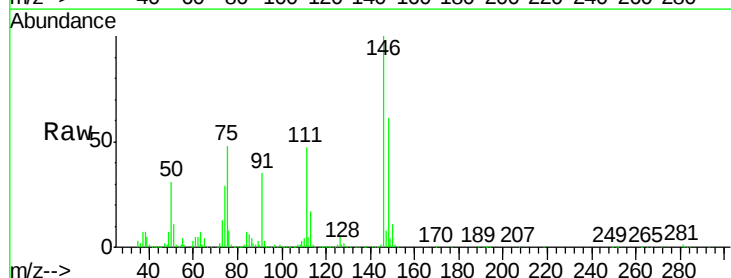
Tgt Ion: 91 Resp: 428125

Ion Ratio Lower Upper

91 100

126 15.9 12.6 19.0

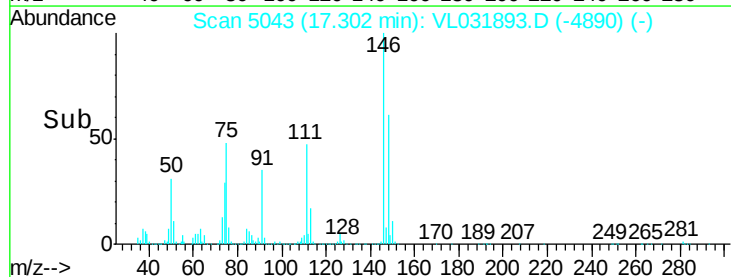
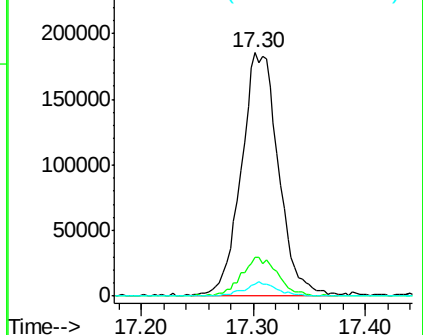
128 5.1 4.0 6.0

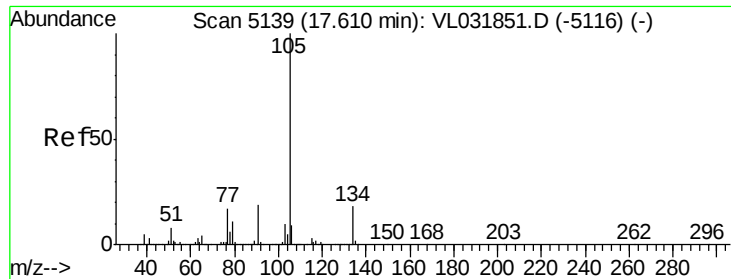


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.69 ppbv

RT: 17.61 min Scan# 5138

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 105 Resp: 5177619

Ion Ratio Lower Upper

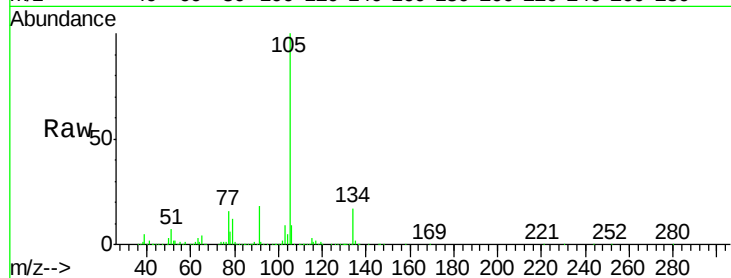
105 100

134 17.6 14.2 21.2

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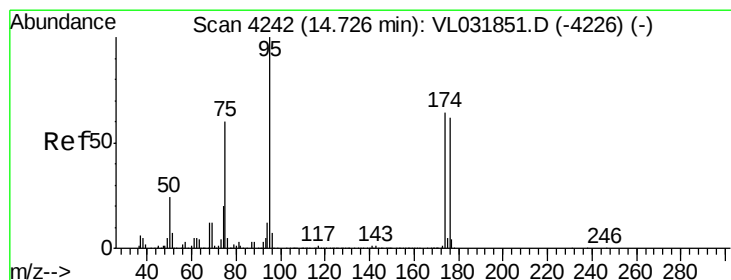
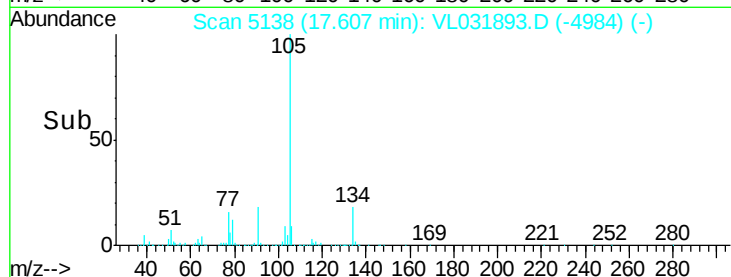
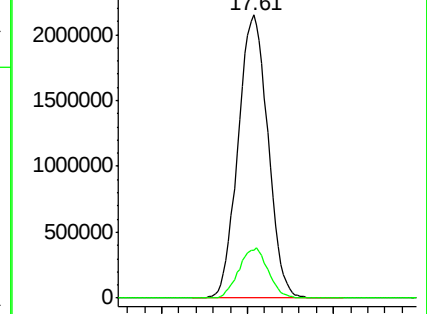
sam

4/23/2018 12:50:44 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.32 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

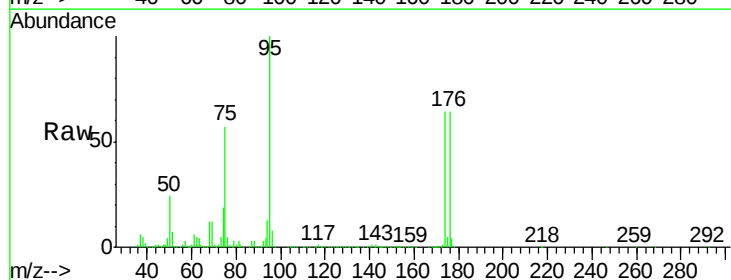
Tgt Ion: 95 Resp: 2312370

Ion Ratio Lower Upper

95 100

174 64.1 52.3 78.5

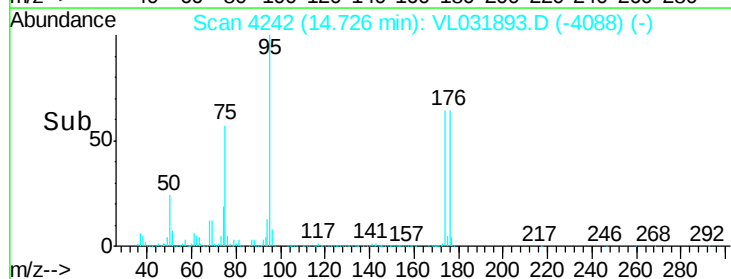
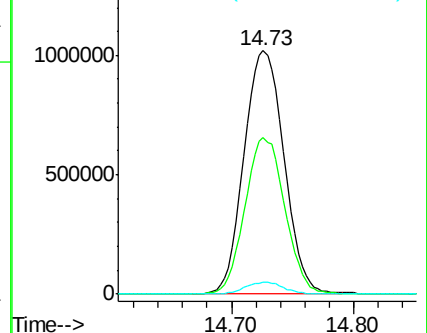
175 4.8 3.9 5.9

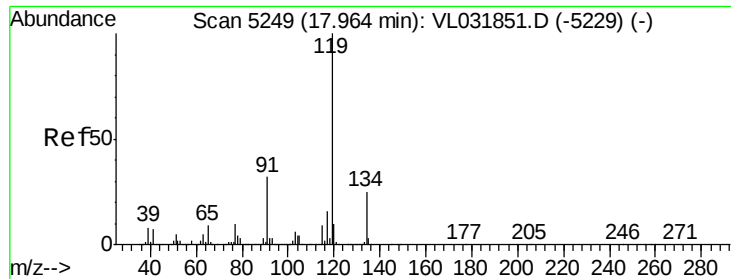


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





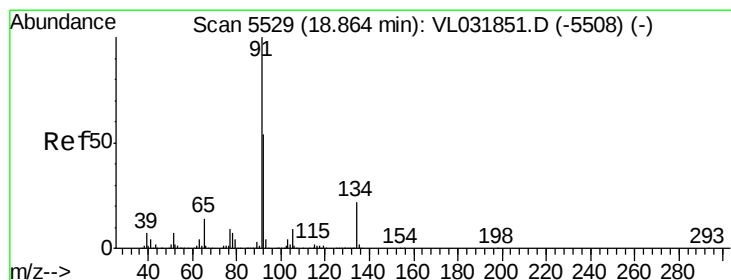
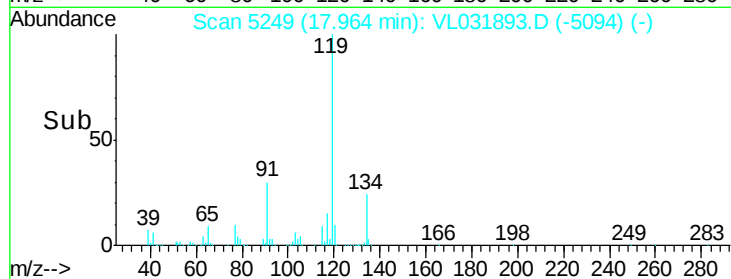
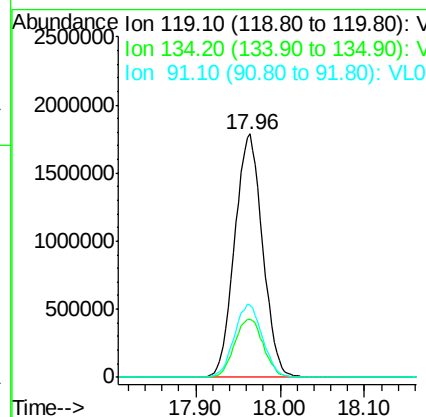
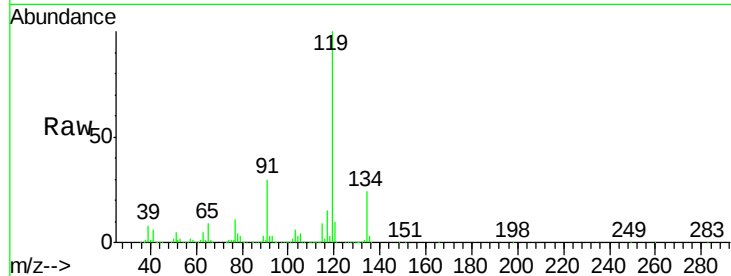
#69
p-Isopropyltoluene
Concen: 9.92 ppbv
RT: 17.96 min Scan# 5249
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.0	30.0
91	30.3	24.9	37.3

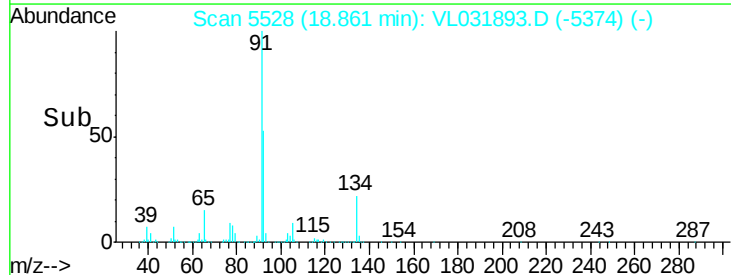
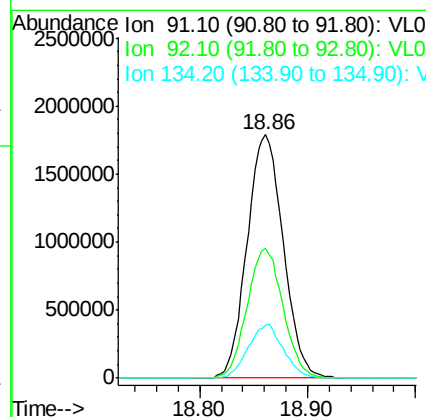
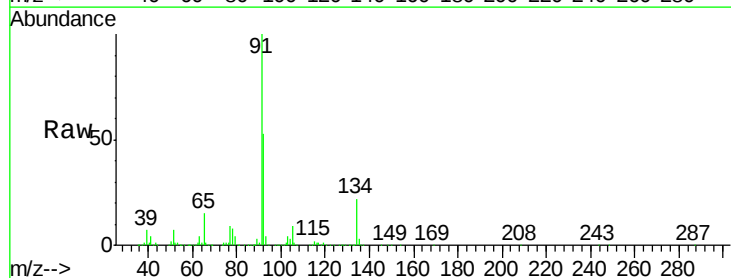
Manual Integrations
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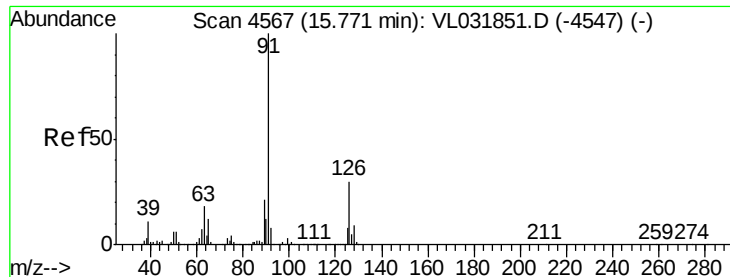
sam
4/23/2018 12:50:44 PM



#70
n-Butylbenzene
Concen: 9.66 ppbv
RT: 18.86 min Scan# 5528
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.2	63.4
134	21.5	17.4	26.0





#71

2-Chlorotoluene

Concen: 10.02 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion: 91 Resp: 3125315

Ion Ratio Lower Upper

91 100

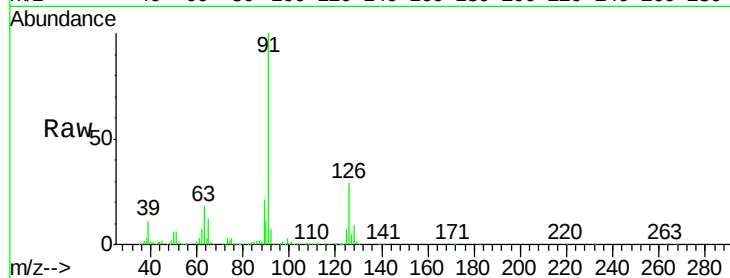
126 28.9 11.6 46.2

Manual Integrations

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sam

4/23/2018 12:50:44 PM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

1000000

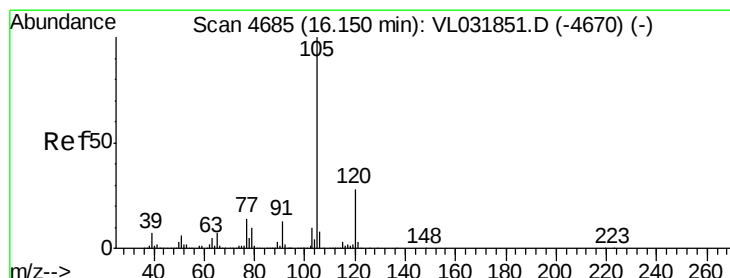
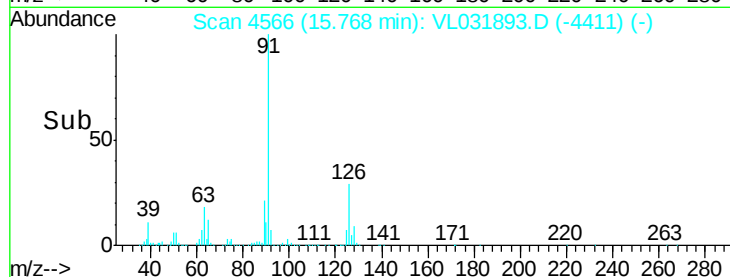
500000

0

15.70

15.80

Time-->



#72

4-Ethyltoluene

Concen: 9.84 ppbv

RT: 16.15 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tgt Ion:105 Resp: 3375930

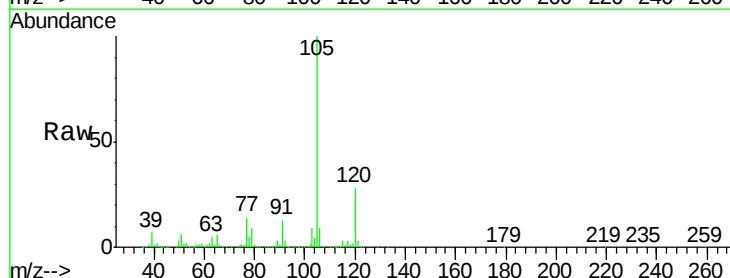
Ion Ratio Lower Upper

105 100

120 28.4 22.7 34.1

91 13.5 10.6 16.0

77 14.9 11.4 17.0



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

2000000

1500000

1000000

500000

0

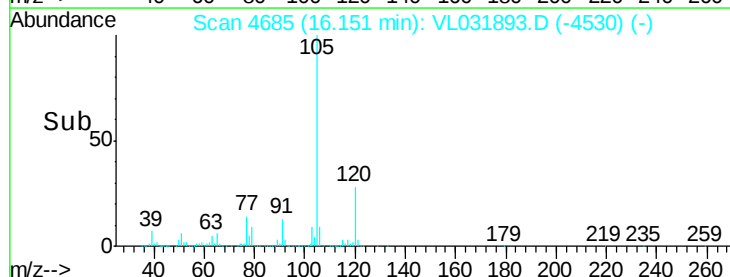
16.05

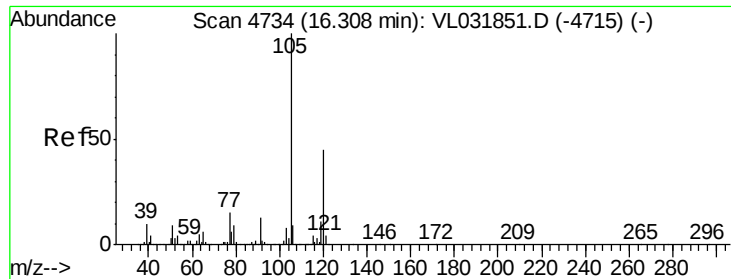
16.10

16.15

16.20

Time-->





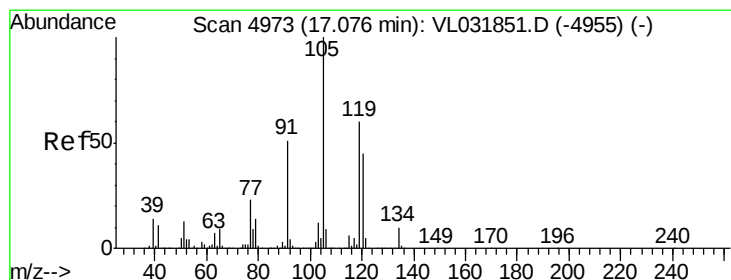
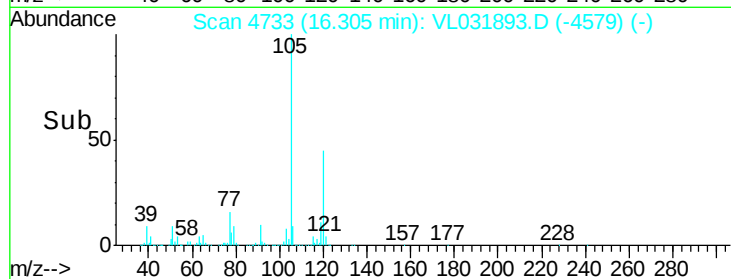
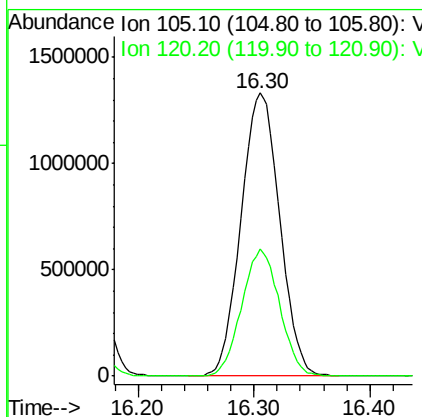
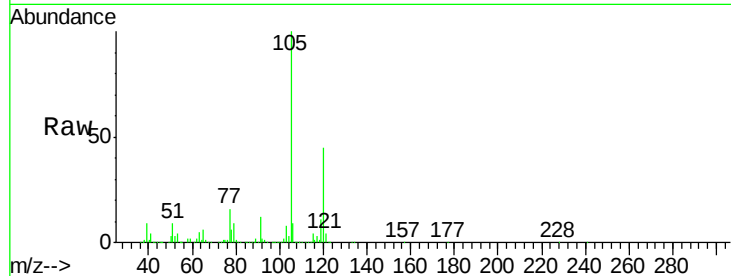
#73
 1,3,5-Trimethylbenzene
 Concen: 9.81 ppbv
 RT: 16.30 min Scan# 4733
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion:105 Resp: 3082576
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.3 52.9

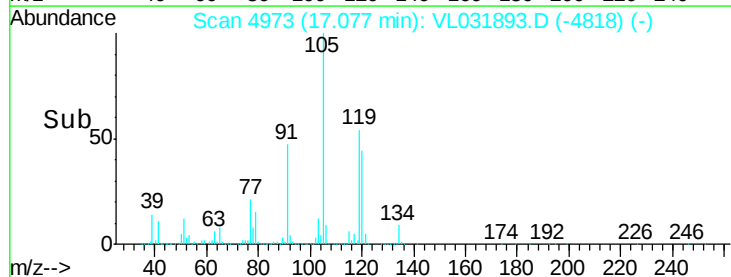
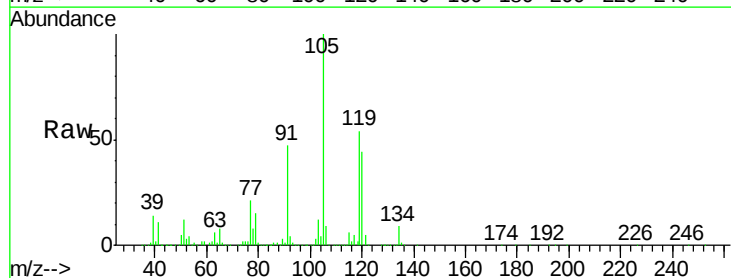
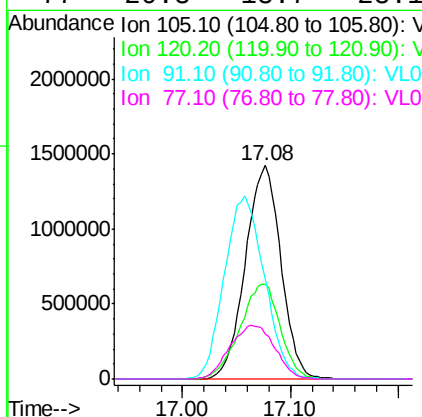
Manual Integrations
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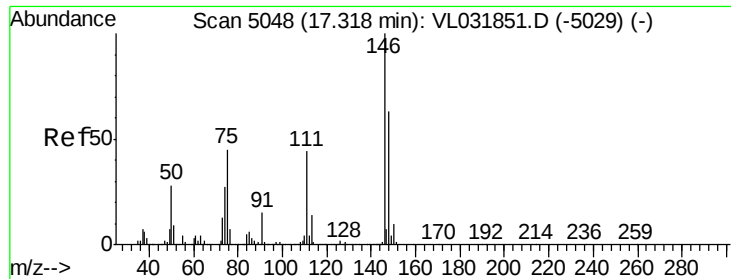
sam
 4/23/2018 12:50:44 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.28 ppbv
 RT: 17.08 min Scan# 4973
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:105 Resp: 3254598
 Ion Ratio Lower Upper
 105 100
 120 44.0 37.0 55.4
 91 46.6 43.0 64.4
 77 20.8 18.7 28.1





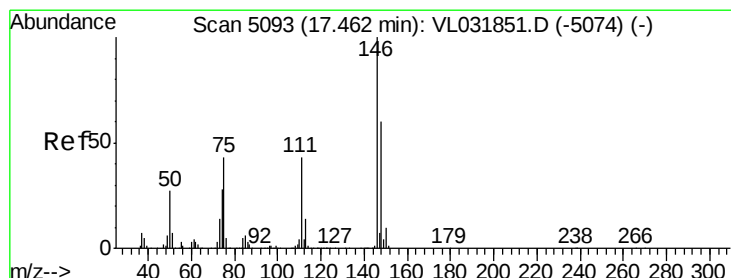
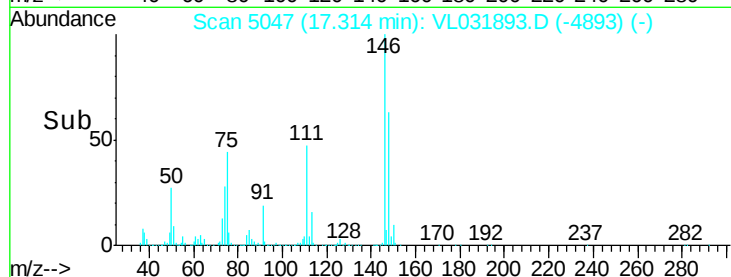
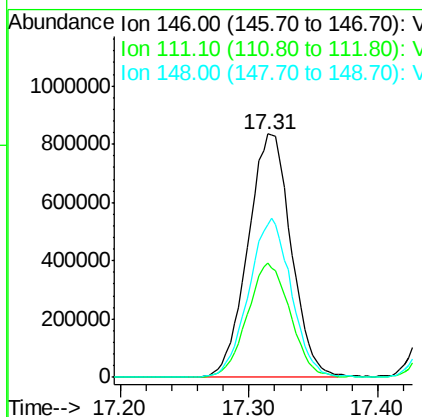
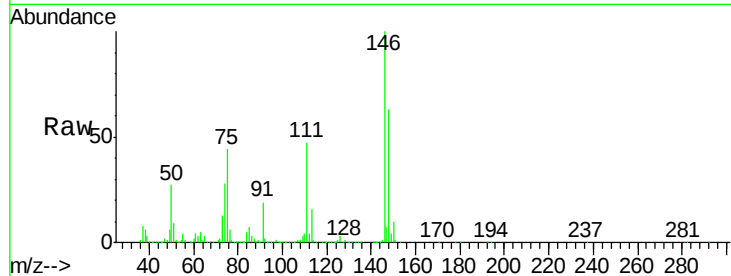
#75
 1,3-Dichlorobenzene
 Concen: 9.08 ppbv
 RT: 17.31 min Scan# 5047
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion:146 Resp: 1951956
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.8 71.4
 148 64.2 32.0 96.2

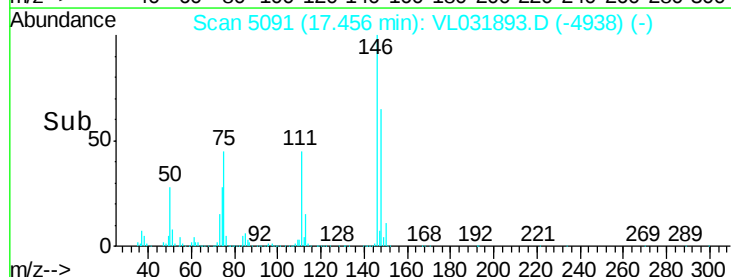
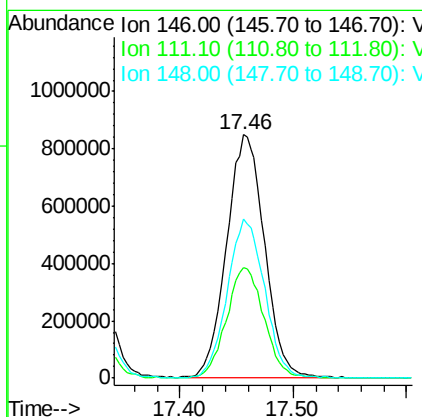
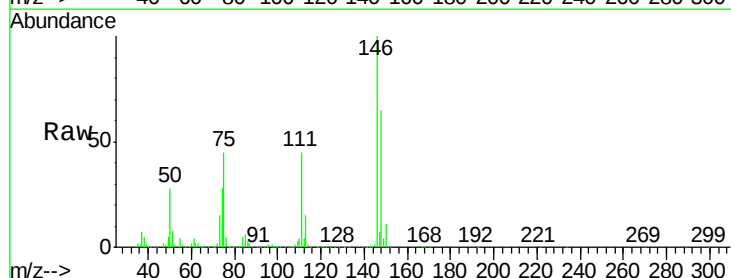
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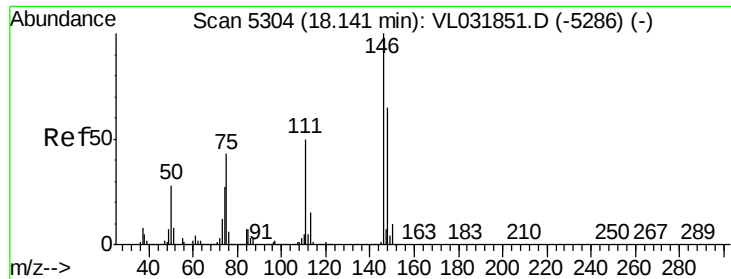
sam
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#76
 1,4-Dichlorobenzene
 Concen: 9.40 ppbv
 RT: 17.46 min Scan# 5091
 Delta R.T. -0.01 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:146 Resp: 1961543
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.9 68.7
 148 65.0 32.0 96.0





#77

1,2-Dichlorobenzene

Concen: 9.22 ppbv

RT: 18.14 min Scan# 5303

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tot Ion:146 Resp: 1951525

Ion Ratio Lower Upper

146 100

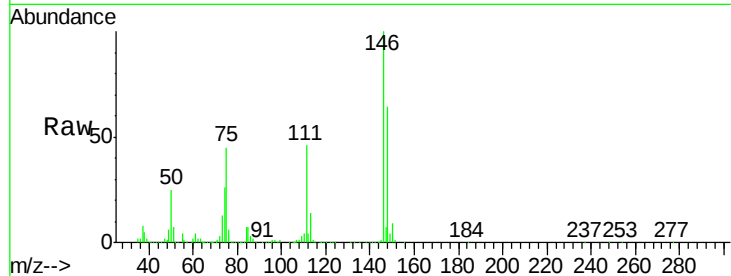
111 48.3 24.3 72.8

148 64.0 31.8 95.3

Manual Integrations
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sam

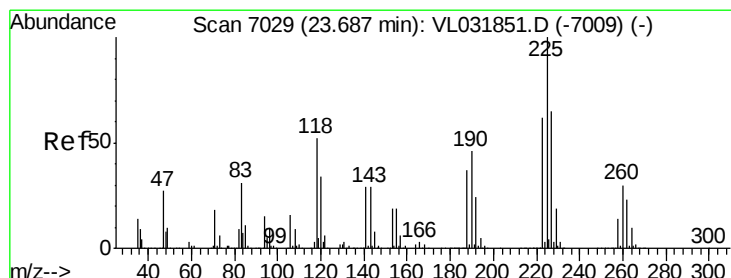
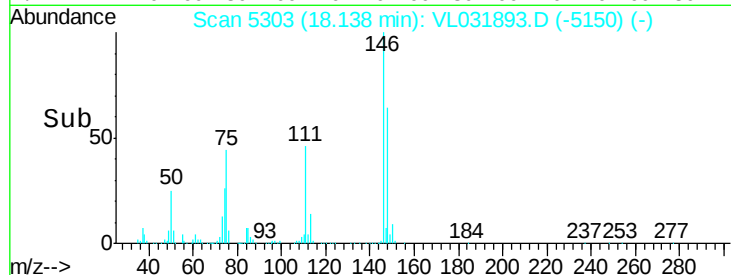
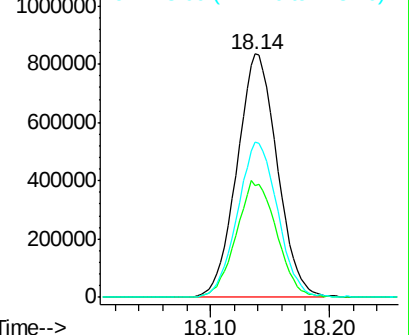
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.89 ppbv

RT: 23.68 min Scan# 7027

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

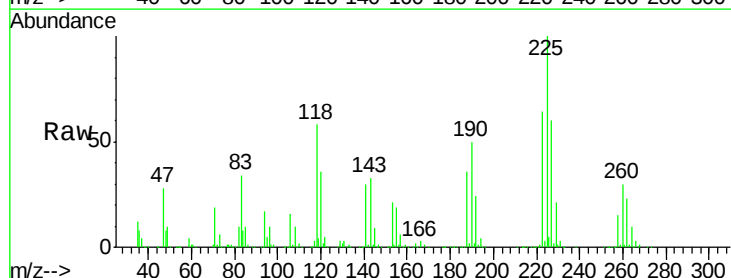
Tgt Ion:225 Resp: 966372

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

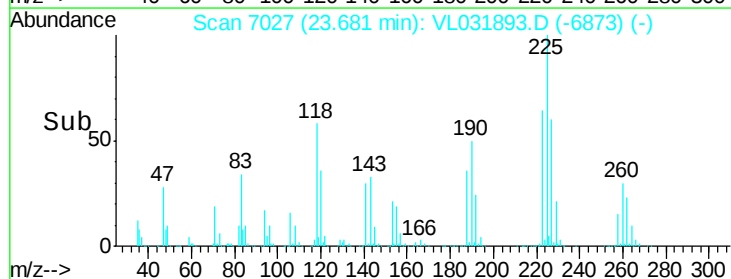
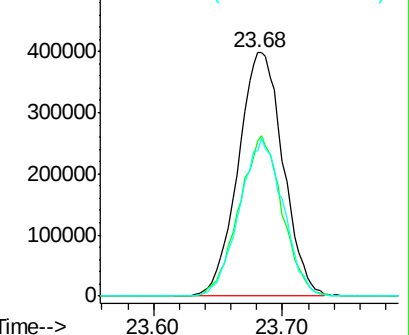
227 62.8 52.2 78.4

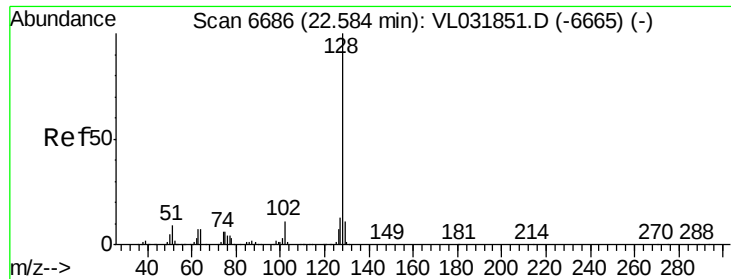


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





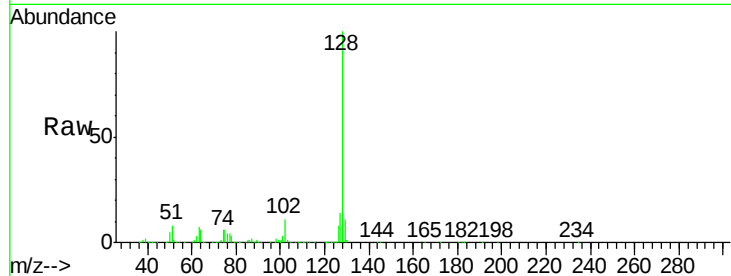
#79
Naphthalene
Concen: 9.94 ppbv
RT: 22.59 min Scan# 6687
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

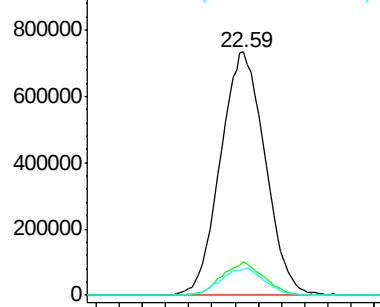
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.8	9.4	14.2

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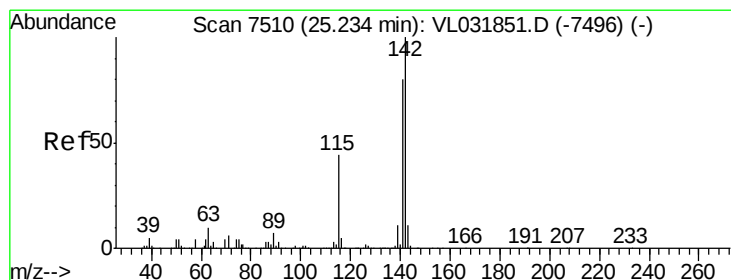
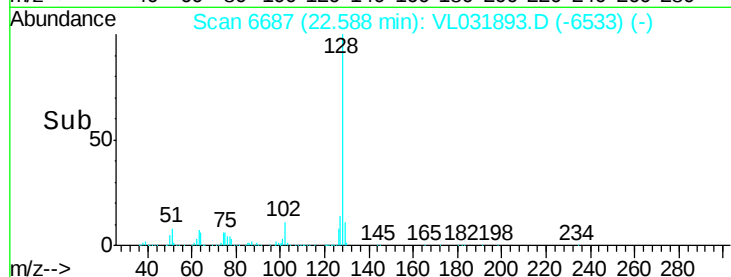
sam
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

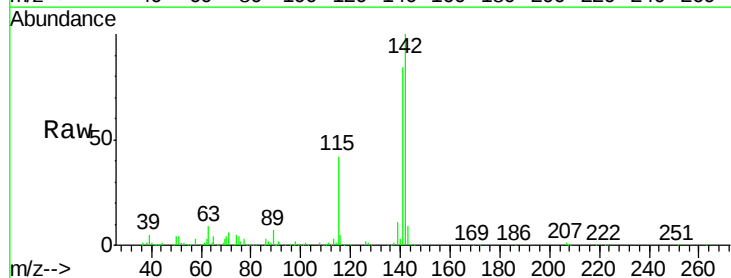


Time-->

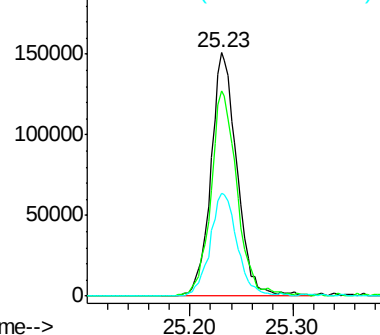


#80
Naphthalene, 2-methyl-
Concen: 6.90 ppbv
RT: 25.23 min Scan# 7509
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

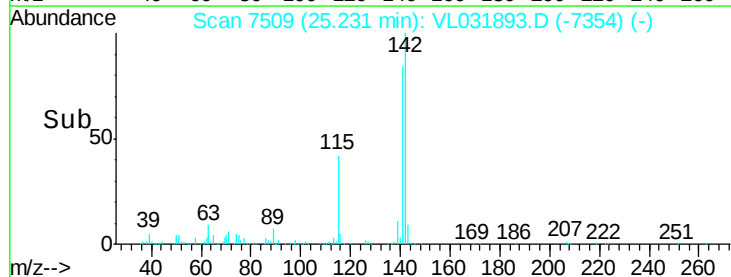
Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.0	100.4
115	44.3	35.3	52.9

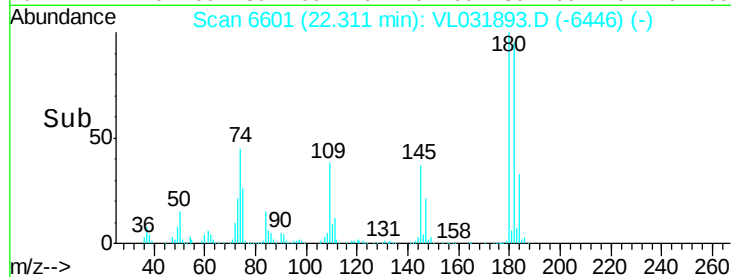
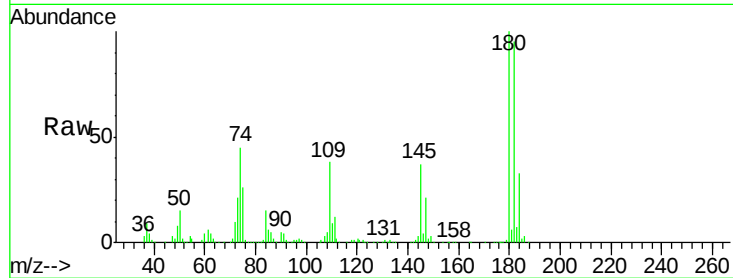
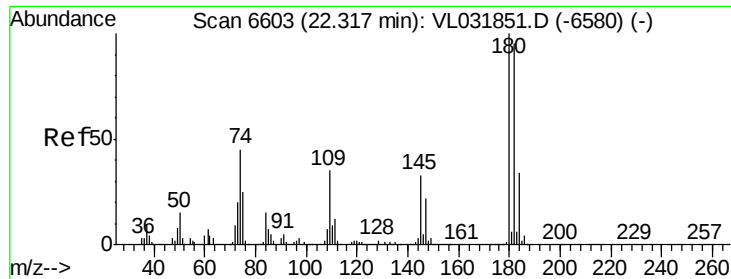


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 8.92 ppbv
 RT: 22.31 min Scan# 6601
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	976699		
182	96.0		76.3	114.5
184	30.3		24.2	36.2

Manual Integrations
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sam
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