

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032806.D
 Acq On : 21 Nov 2018 9:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:19:11 AM

Quant Time: Nov 22 12:53:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1461219	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3915570	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3793541m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2685214	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1504008	7.160	ppbv 99
3) Chlorodifluoromethane	3.02	51	1093617	9.440	ppbv 98
4) Chloromethane	3.17	50	617400	9.611	ppbv 96
5) Vinyl Chloride	3.30	62	641117	9.419	ppbv 100
6) Bromomethane	3.52	94	413434	9.929	ppbv 94
7) Chloroethane	3.61	64	242214	9.873	ppbv 96
8) Dichlorotetrafluoroethane	3.23	85	1532968	9.262	ppbv 95
9) Propene	3.04	41	490049	10.571	ppbv 100
10) Heptane	8.26	43	1885559	10.654	ppbv 100
11) Trichlorofluoromethane	4.01	101	1695970	8.568	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1472251	9.106	ppbv 95
13) Ethanol	3.66	45	131815	8.681	ppbv 99
14) Bromoethene	3.80	108	540007	10.067	ppbv 99
15) Acetone	3.91	43	1127066	8.446	ppbv 99
16) 1,3-Butadiene	3.37	39	515785	9.981	ppbv 89
17) tert-Butyl alcohol	4.37	59	447254	10.687	ppbv 100
18) 1,1-Dichloroethene	4.36	96	781465	9.829	ppbv 97
19) Isopropyl Alcohol	4.03	45	817251	9.193	ppbv 100
20) Methylene Chloride	4.42	84	658476	9.532	ppbv 96
21) Allyl Chloride	4.49	41	1064538	9.493	ppbv 99
22) trans-1,2-Dichloroethene	4.97	96	771737	9.941	ppbv 98
23) Vinyl Acetate	5.17	43	2590054	10.648	ppbv 100
24) 1,1-Dichloroethane	5.10	63	1880890	9.726	ppbv 99
25) Ethyl Acetate	5.78	43	3067595	9.863	ppbv 100
26) Hexane	5.79	57	1414755	10.219	ppbv 100
27) Carbon Disulfide	4.63	76	1759755	10.024	ppbv 99
28) Methyl tert-Butyl Ether	5.12	73	2336189	10.581	ppbv 99
29) Chloroform	5.86	83	2463541	9.984	ppbv 97
30) Cyclohexane	7.26	84	1311393	10.830	ppbv 97
31) cis-1,2-Dichloroethene	5.65	61	1446367	10.391	ppbv 98
32) 1,1,1-Trichloroethane	6.63	97	2509400	9.278	ppbv 99
34) 2-Butanone	5.34	43	2008246	9.889	ppbv 99
35) Carbon Tetrachloride	7.15	117	2727268	8.664	ppbv 99
36) Benzene	7.02	78	3118853	10.003	ppbv 99
37) 1,2-Dichloroethane	6.43	62	1880349	8.959	ppbv 98
38) Trichloroethene	7.98	130	1285453	10.187	ppbv 97
39) 1,2-Dichloropropane	7.75	63	1154438	9.718	ppbv 95
40) 1,4-Dioxane	7.97	88	448317	10.566	ppbv 80
41) Tetrahydrofuran	6.16	42	1171308	10.055	ppbv 99
42) Bromodichloromethane	7.93	83	2628237	9.237	ppbv # 99
43) Methyl Methacrylate	8.15	69	1223814	10.513	ppbv 98

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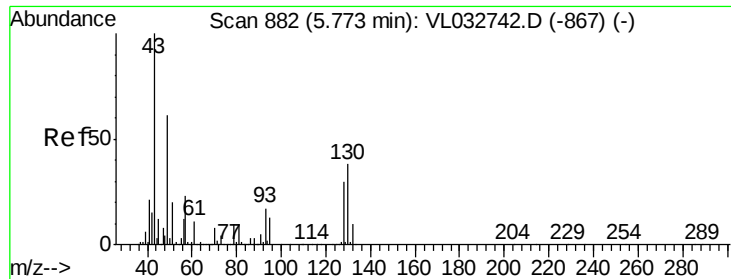
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5149701	9.883	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1762235	11.282	ppbv	96
46) cis-1,3-Dichloropropene	8.85	75	2040131	10.811	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1359047	9.675	ppbv	98
48) Dibromochloromethane	10.46	129	2303397	9.648	ppbv	100
49) Bromoform	13.21	173	1884939	9.560	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	3135387	9.885	ppbv	99
51) 2-Hexanone	10.28	43	2174216	10.639	ppbv #	99
52) Tetrachloroethene	11.38	164	1114295	10.273	ppbv	99
53) Toluene	9.96	91	3607051	11.089	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1975065	9.946	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1618971	9.150	ppbv	99
57) Chlorobenzene	12.31	112	2717095	9.357	ppbv	97
58) Ethyl Benzene	12.88	91	4717174	10.332	ppbv	98
59) m/p-Xylene	13.16	91	7998652m	19.681	ppbv	
60) o-Xylene	13.86	91	3795426	9.288	ppbv	99
61) Styrene	13.70	104	2866918	10.777	ppbv	98
62) Isopropylbenzene	14.84	105	5429320	9.829	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2477269	7.776	ppbv	99
64) n-propylbenzene	15.74	120	1402347	9.652	ppbv	91
65) tert-Butylbenzene	16.92	119	4675398	9.442	ppbv	97
66) Benzyl Chloride	17.17	91	2528304	9.236	ppbv	99
67) sec-Butylbenzene	17.47	105	6564848	9.200	ppbv	99
69) p-Isopropyltoluene	17.83	119	5545624	9.774	ppbv	98
70) n-Butylbenzene	18.73	91	5582455	9.690	ppbv	99
71) 2-Chlorotoluene	15.63	91	3922115	9.521	ppbv	98
72) 4-Ethyltoluene	16.01	105	4365839	9.747	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4122776	9.414	ppbv	98
74) 1,2,4-Trimethylbenzene	16.94	105	4223288	9.012	ppbv	96
75) 1,3-Dichlorobenzene	17.18	146	2434491	9.056	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2400035	9.558	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2380928	9.574	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1815916	13.530	ppbv	99
79) Naphthalene	22.43	128	4300250	13.968	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1216654	15.779	ppbv	97
81) 1,2,4-Trichlorobenzene	22.15	180	2077645	13.439	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1461219

Ion Ratio Lower Upper

49 100

128 52.3 24.9 74.6

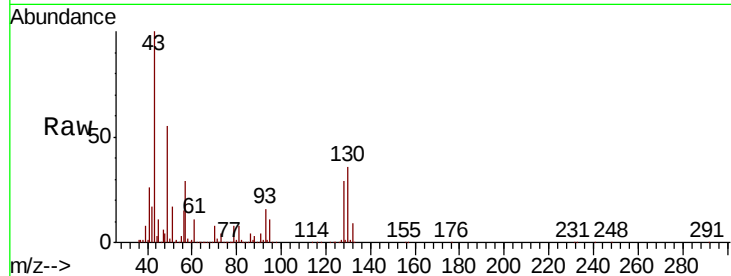
130 66.8 31.4 94.2

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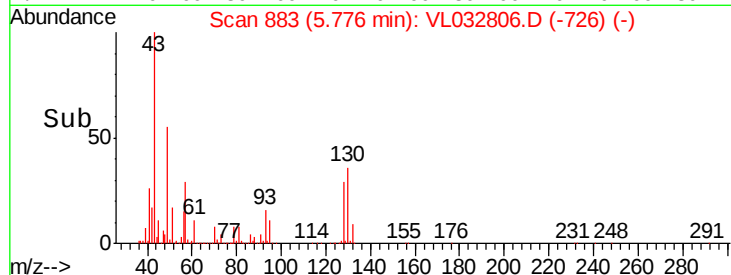


Abundance Ion 49.10 (48.80 to 49.80): VL0

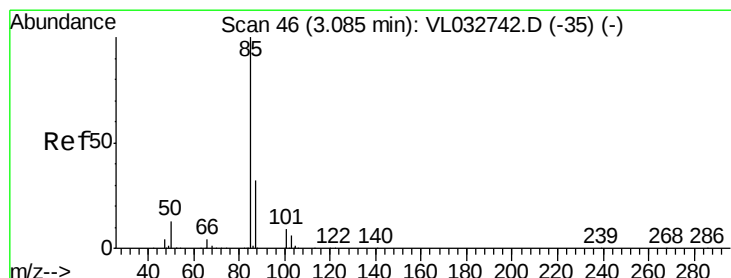
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 7.160 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032806.D

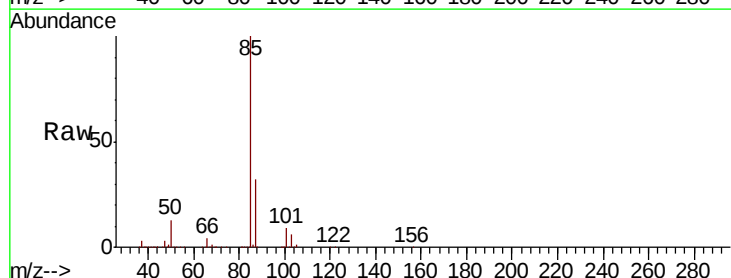
Acq: 21 Nov 2018 9:10

Tgt Ion: 85 Resp: 1504008

Ion Ratio Lower Upper

85 100

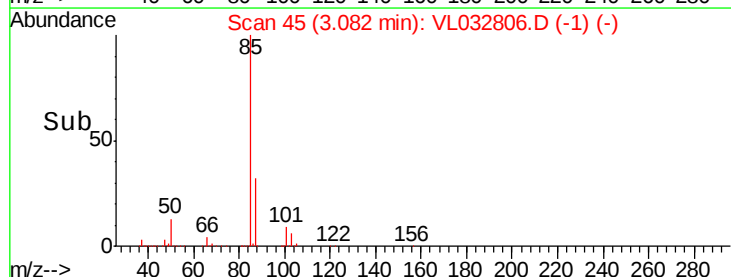
87 32.0 26.0 39.0



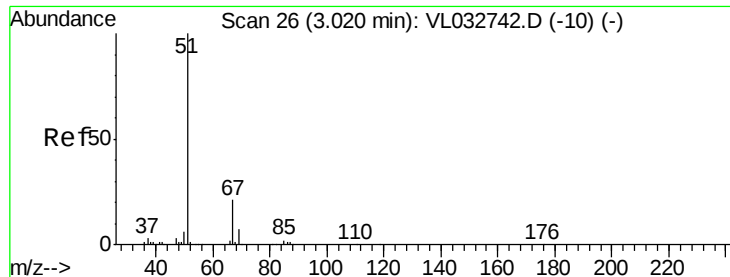
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 9.440 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Tot Ion: 51 Resp: 1093617

Ion Ratio Lower Upper

51 100

67 19.1 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

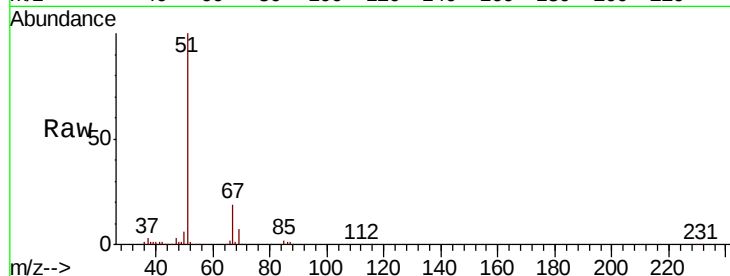
VSTDCCC010EC

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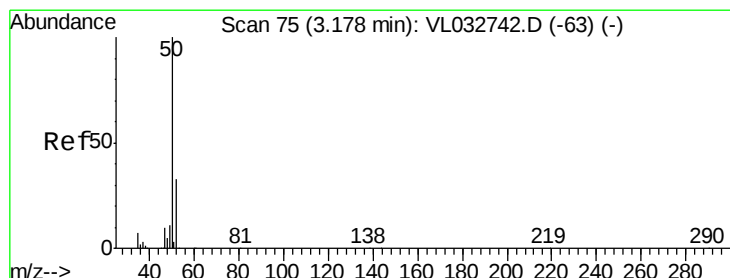
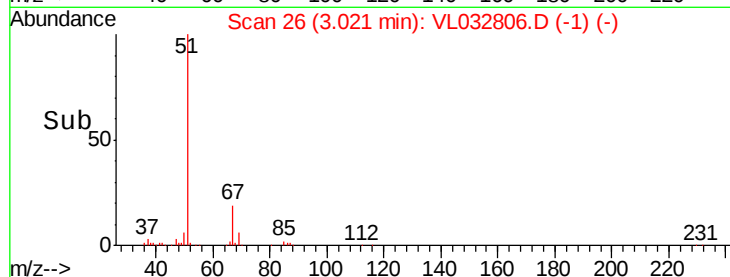
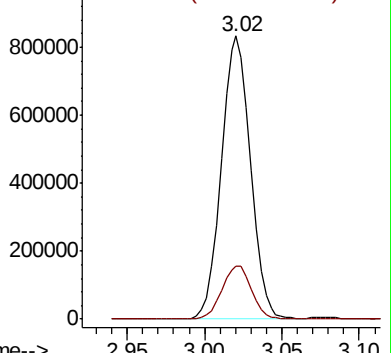
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.611 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032806.D

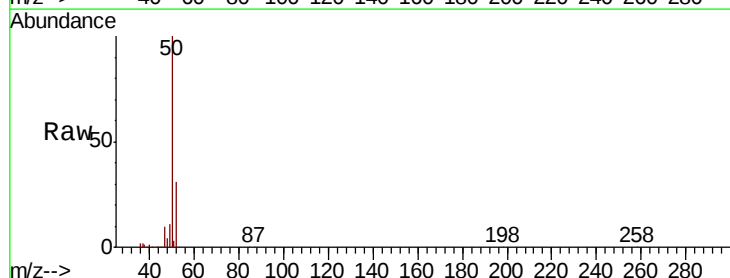
Acq: 21 Nov 2018 9:10

Tgt Ion: 50 Resp: 617400

Ion Ratio Lower Upper

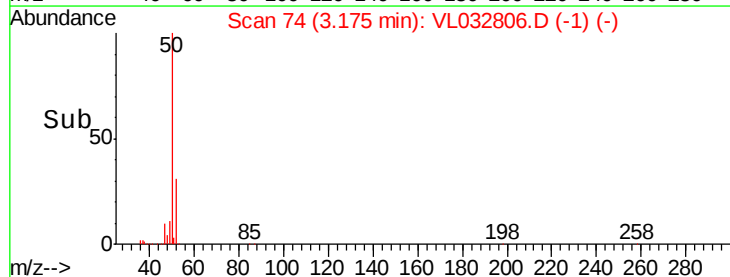
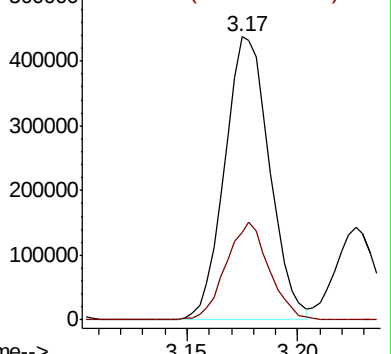
50 100

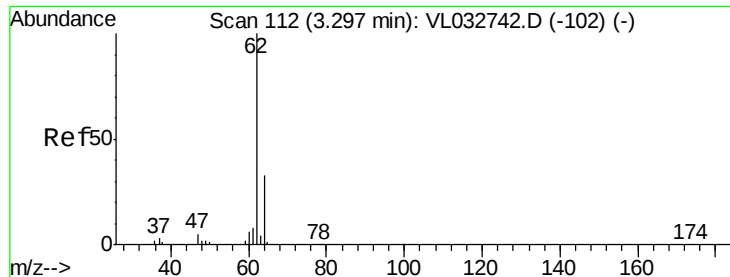
52 31.0 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.419 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 641117

Ion Ratio Lower Upper

62 100

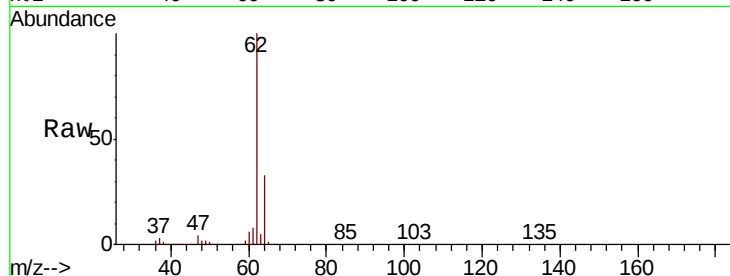
64 32.8 26.2 39.4

Manual Integrations

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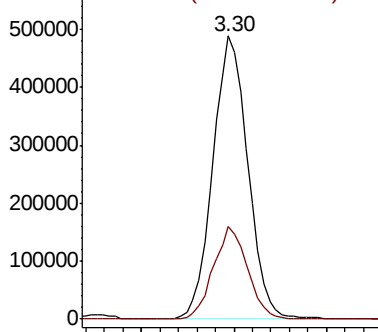
MMDadoda

11/26/2018 9:19:11 AM

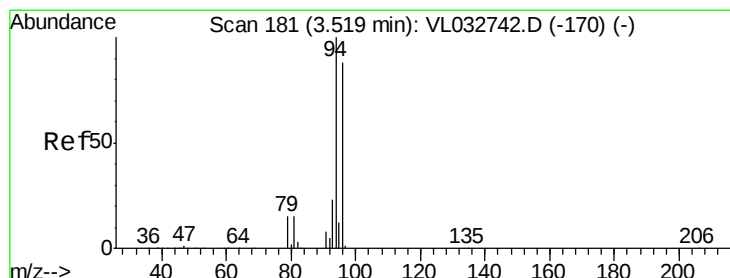
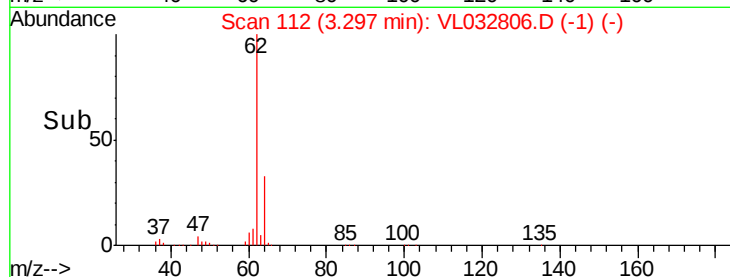


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.929 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032806.D

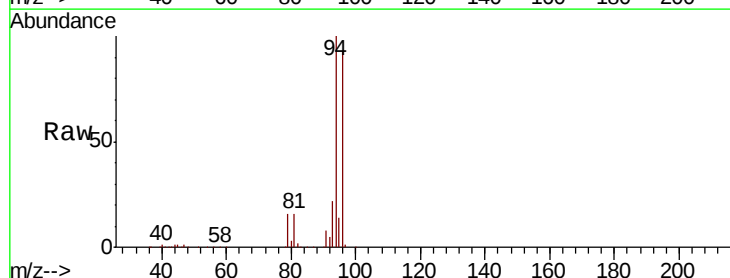
Acq: 21 Nov 2018 9:10

Tgt Ion: 94 Resp: 413434

Ion Ratio Lower Upper

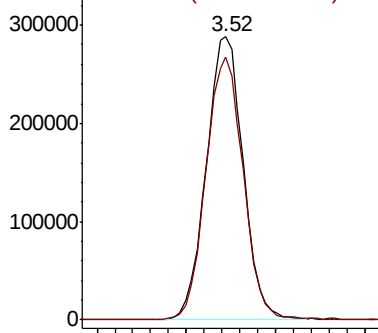
94 100

96 93.0 70.2 105.2

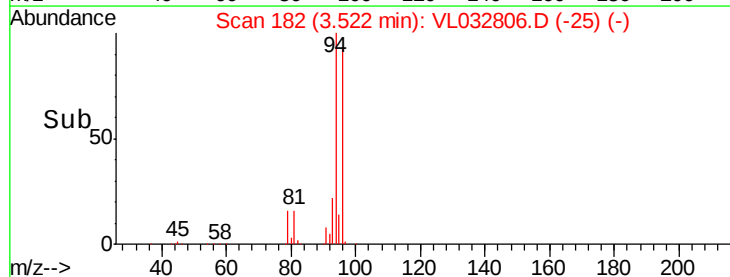


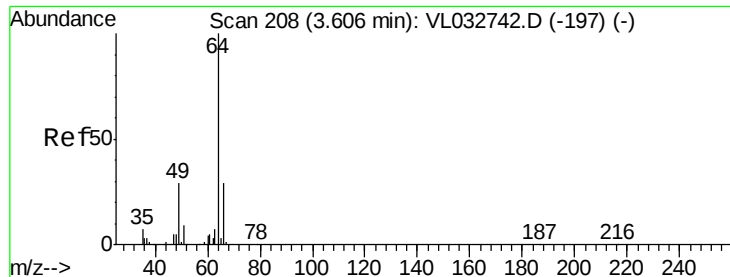
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 9.873 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 242214

Ion Ratio Lower Upper

64 100

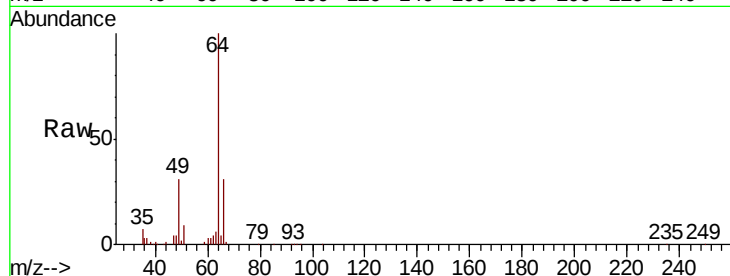
66 31.3 23.2 34.8

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11/26/2018 9:19:11 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.61

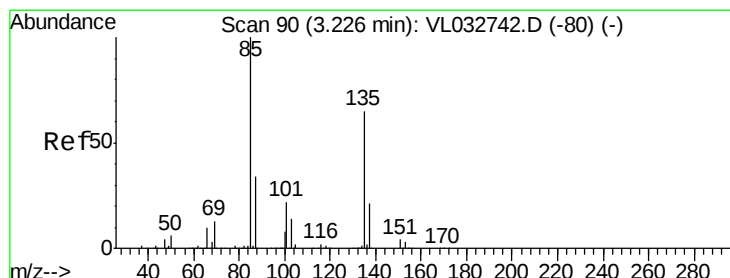
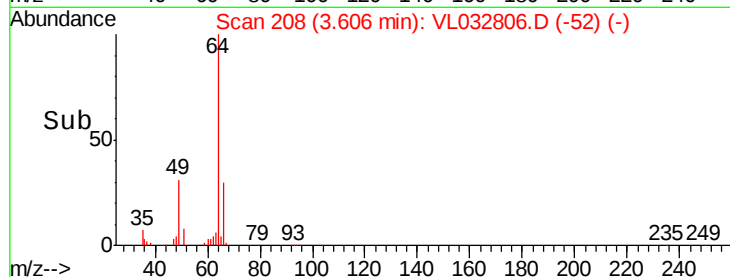
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.262 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032806.D

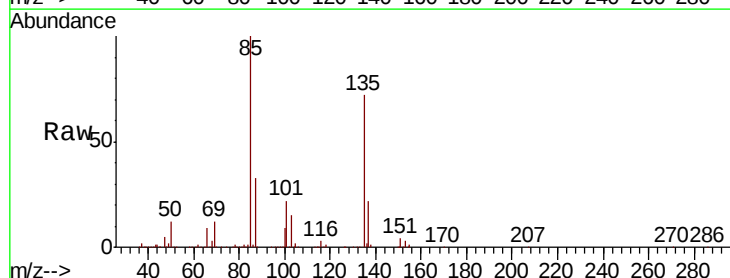
Acq: 21 Nov 2018 9:10

Tgt Ion: 85 Resp: 1532968

Ion Ratio Lower Upper

85 100

135 71.1 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

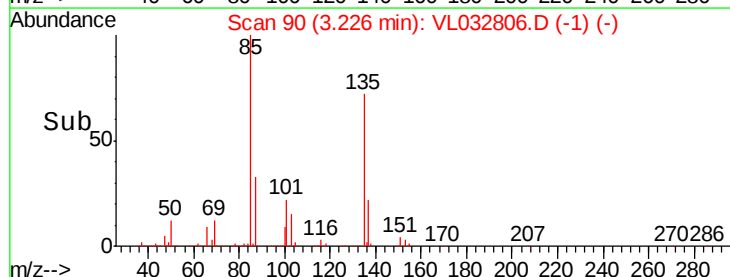
3.23

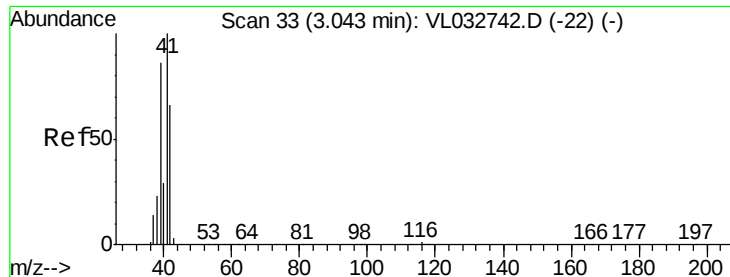
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500000

0

Time-->





#9

Propene

Concen: 10.571 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 490049

Ion Ratio Lower Upper

41 100

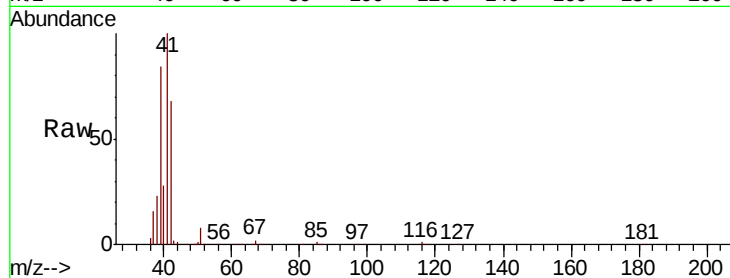
42 68.7 55.0 82.6

Manual Integrations

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11/26/2018 9:19:11 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

400000

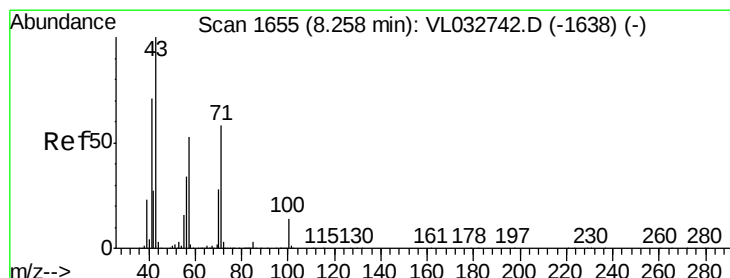
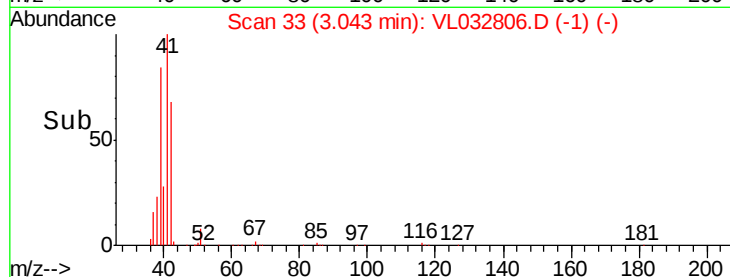
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.654 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032806.D

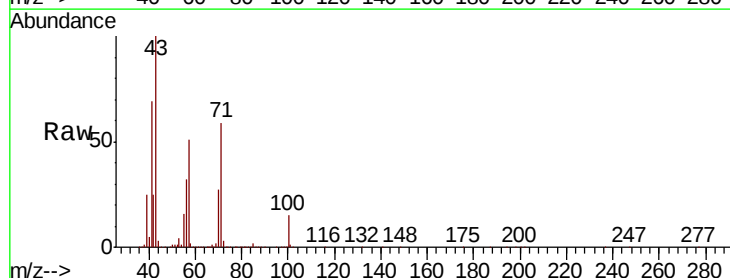
Acq: 21 Nov 2018 9:10

Tgt Ion: 43 Resp: 1885559

Ion Ratio Lower Upper

43 100

57 52.2 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.26

1000000

800000

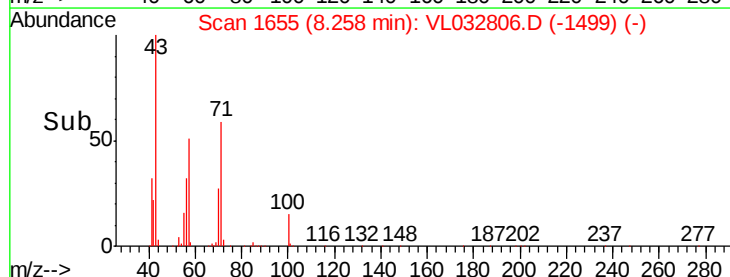
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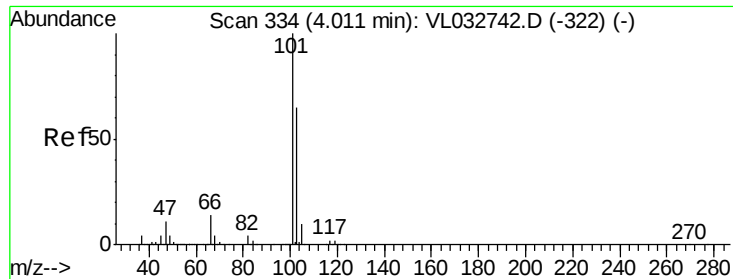
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200000

0

Time-->





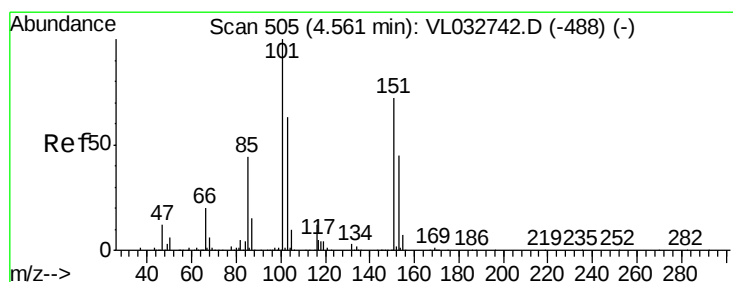
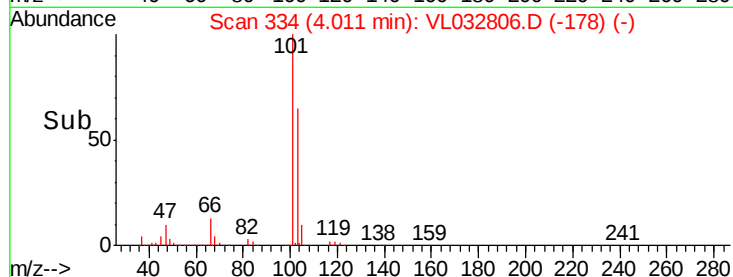
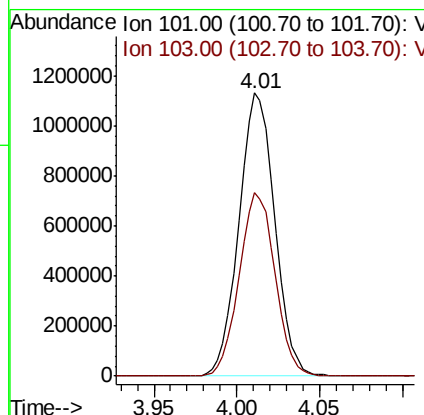
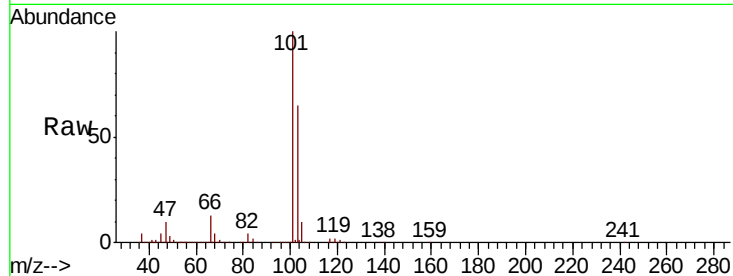
#11
 Trichlorofluoromethane
 Concen: 8.568 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1695970
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.6 77.4

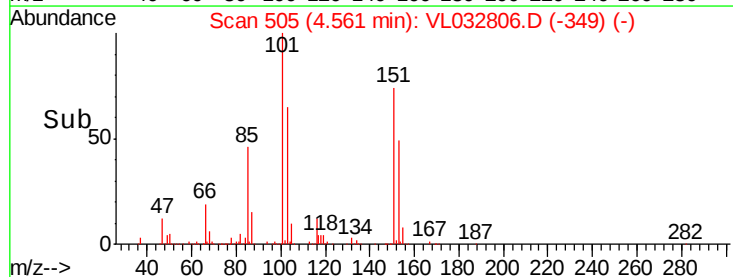
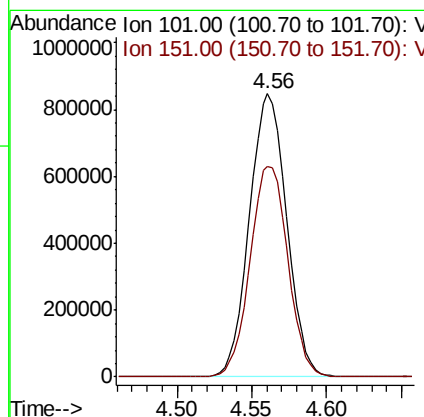
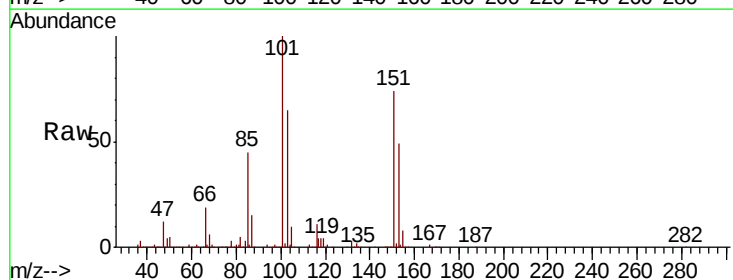
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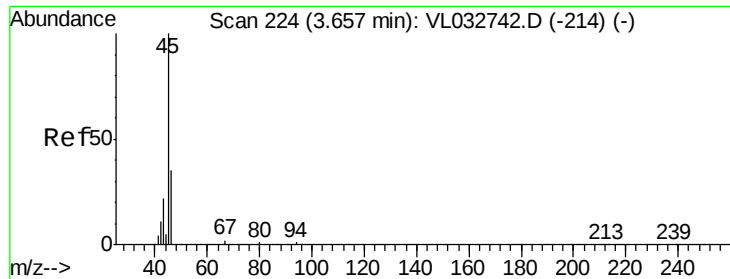
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.106 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion:101 Resp: 1472251
 Ion Ratio Lower Upper
 101 100
 151 75.4 56.7 85.1





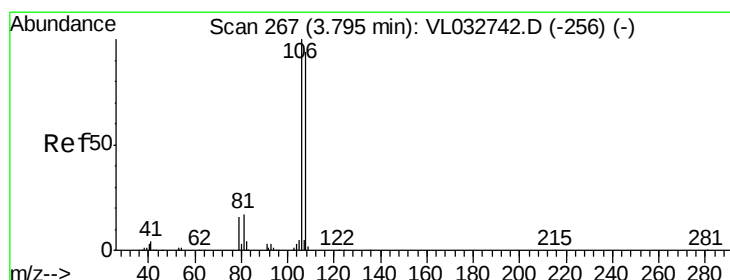
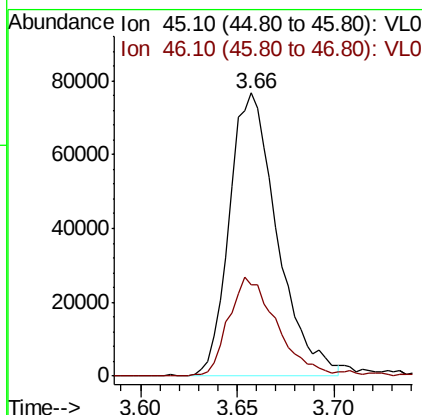
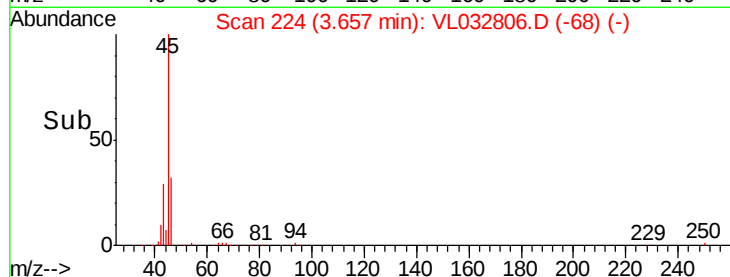
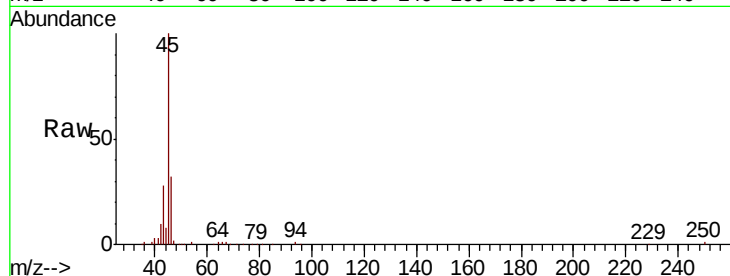
#13
Ethanol
Concen: 8.681 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 131815
Ion Ratio Lower Upper
45 100
46 36.6 14.5 57.9

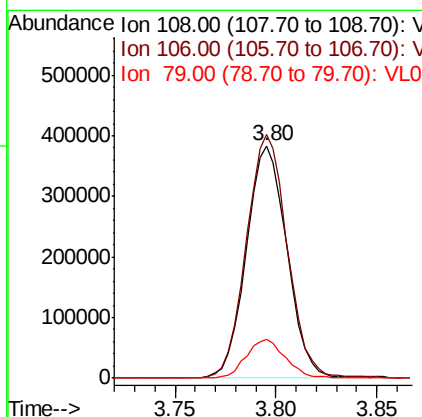
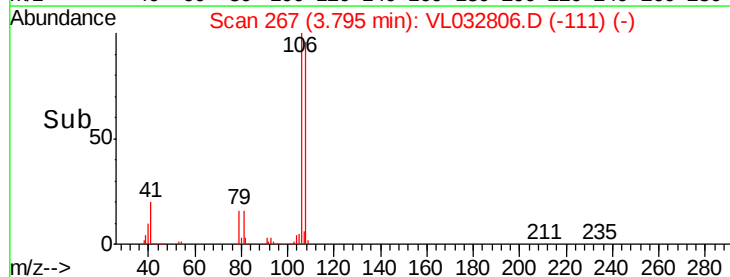
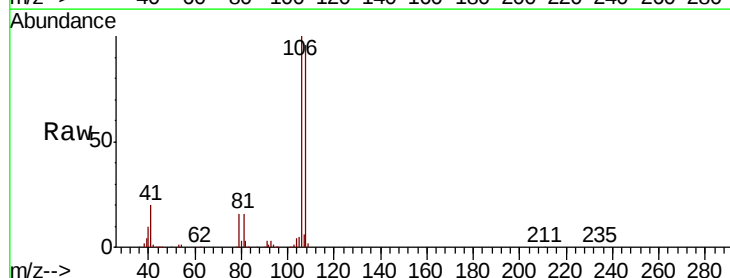
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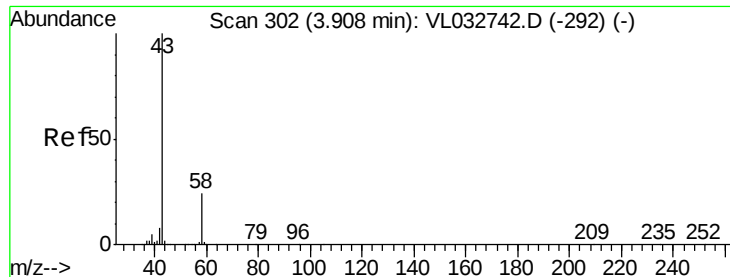
MMDadoda
11/26/2018 9:19:11 AM



#14
Bromoethene
Concen: 10.067 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 108 Resp: 540007
Ion Ratio Lower Upper
108 100
106 106.7 84.9 127.3
79 16.5 14.2 21.4





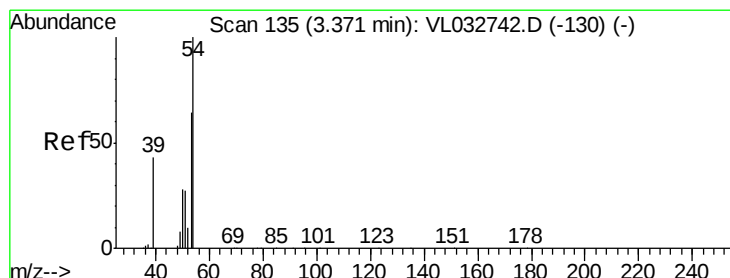
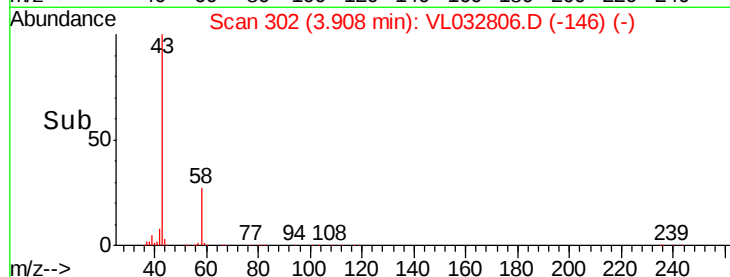
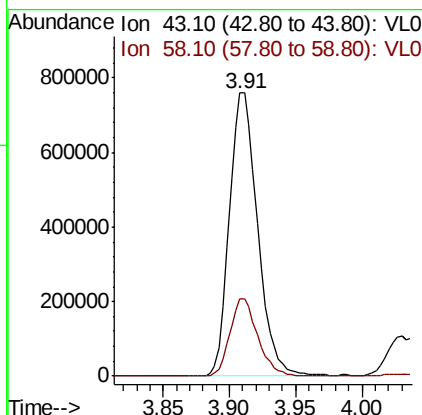
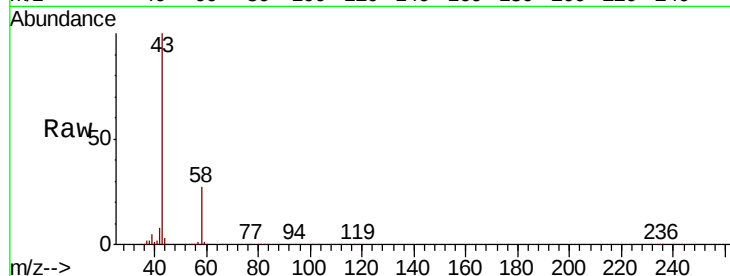
#15
Acetone
Concen: 8.446 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1127066
Ion Ratio Lower Upper
43 100
58 27.0 21.1 31.7

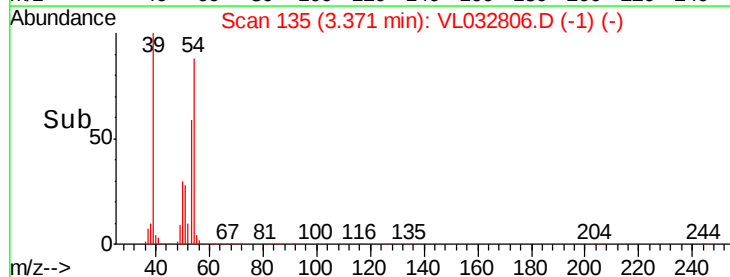
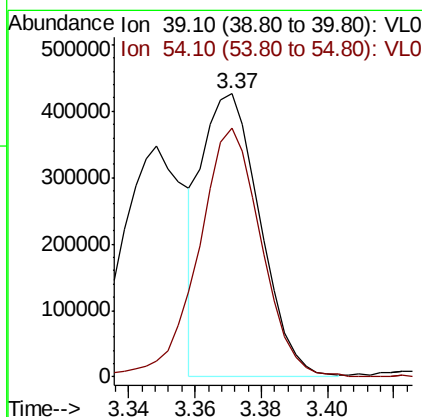
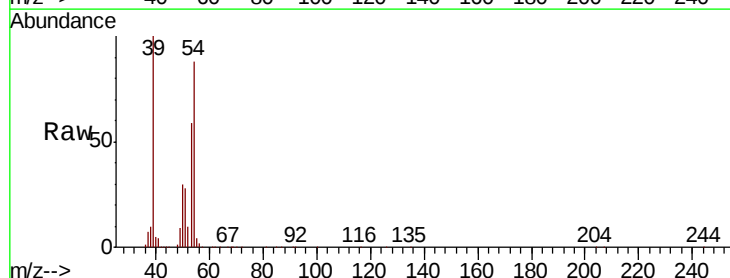
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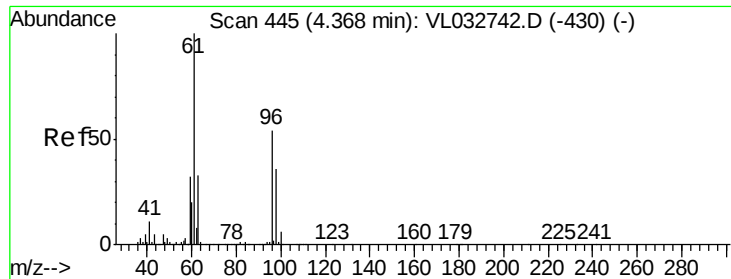
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#16
1,3-Butadiene
Concen: 9.981 ppbv
RT: 3.37 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 39 Resp: 515785
Ion Ratio Lower Upper
39 100
54 96.1 68.9 103.3





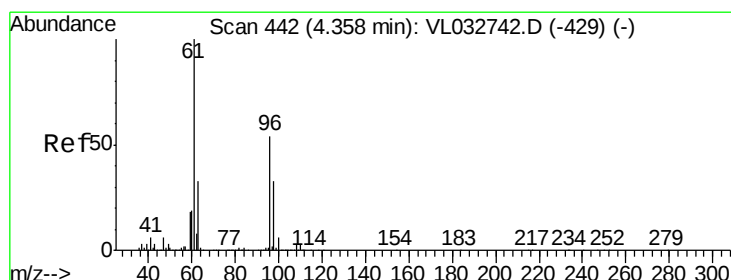
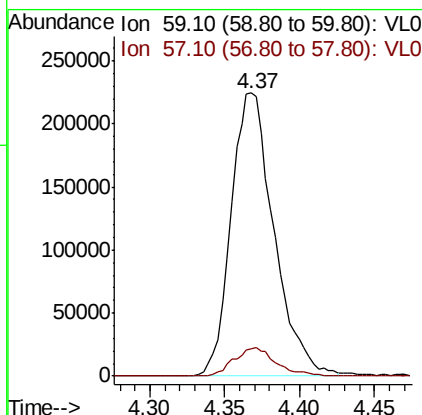
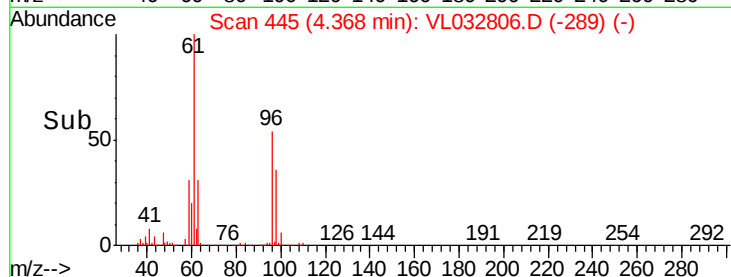
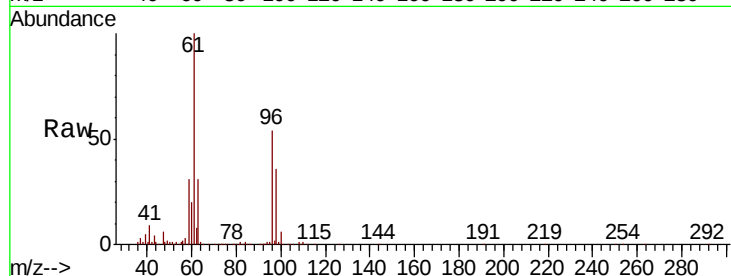
#17
tert-Butyl alcohol
Concen: 10.687 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 447254
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

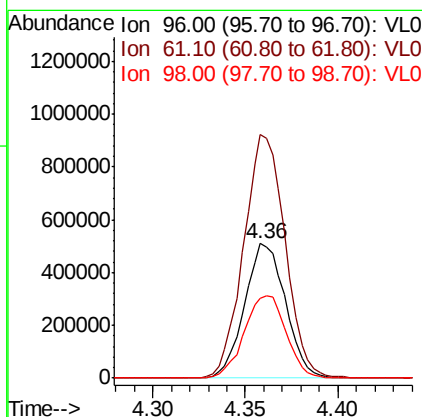
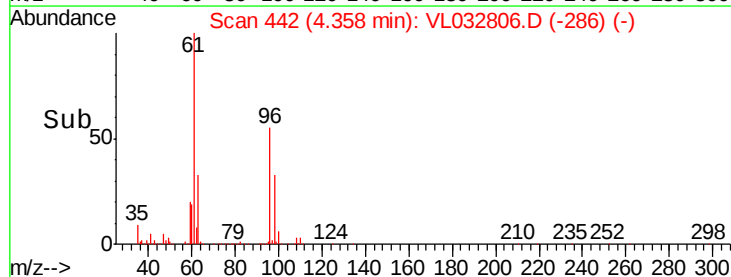
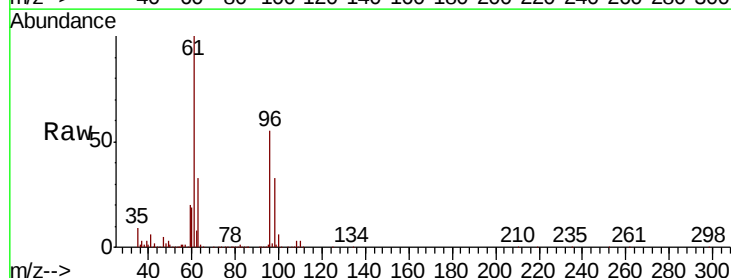
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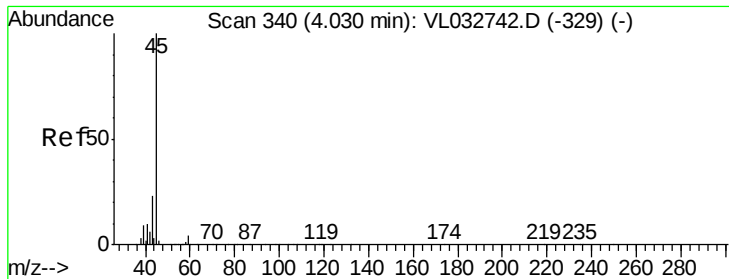
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#18
1,1-Dichloroethene
Concen: 9.829 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 96 Resp: 781465
Ion Ratio Lower Upper
96 100
61 181.1 148.5 222.7
98 59.7 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.193 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 817251

Ion Ratio Lower Upper

45 100

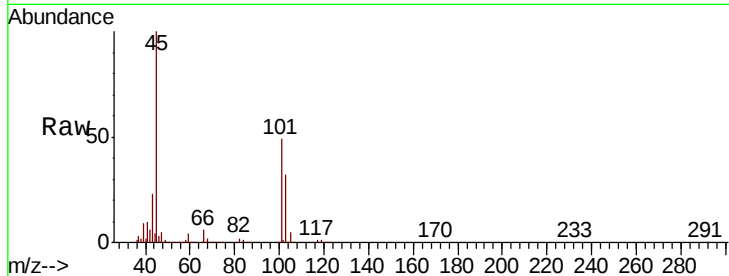
58 1.7 1.4 2.0

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

500000

400000

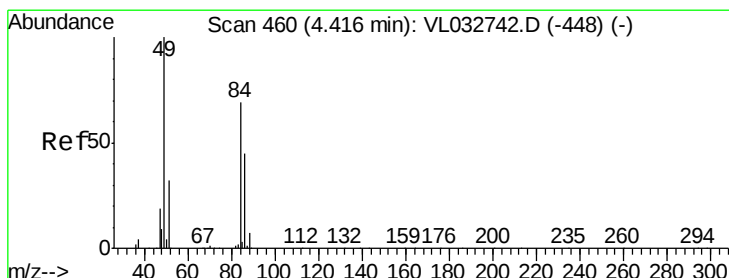
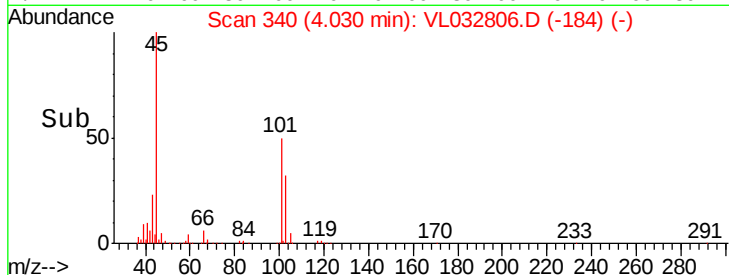
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.532 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Tgt Ion: 84 Resp: 658476

Ion Ratio Lower Upper

84 100

49 140.7 115.8 173.6

51 40.9 36.9 55.3

86 62.2 52.4 78.6

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

800000

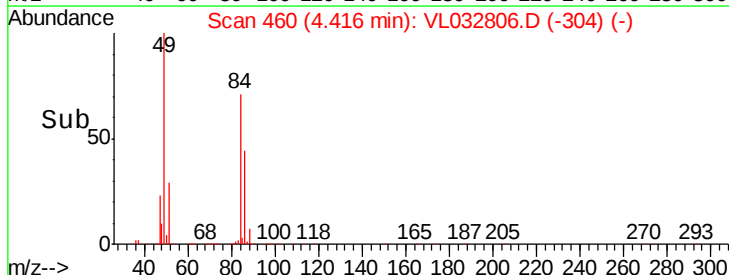
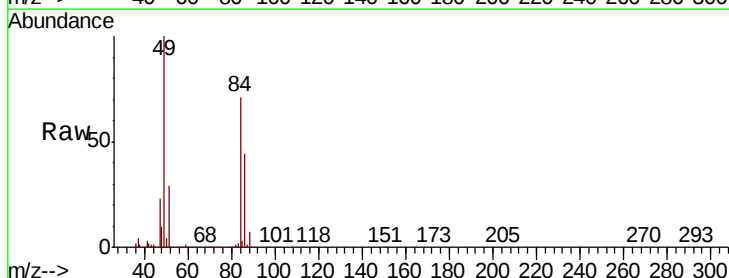
600000

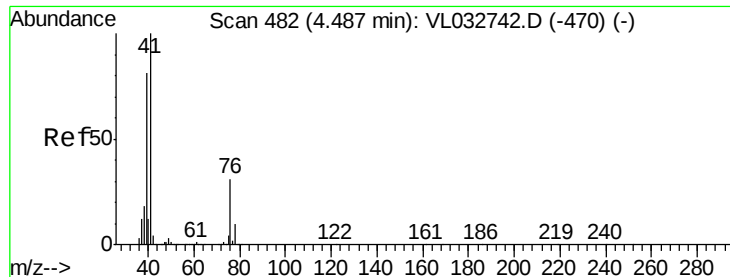
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.493 ppbv

RT: 4.49 min Scan# 482

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

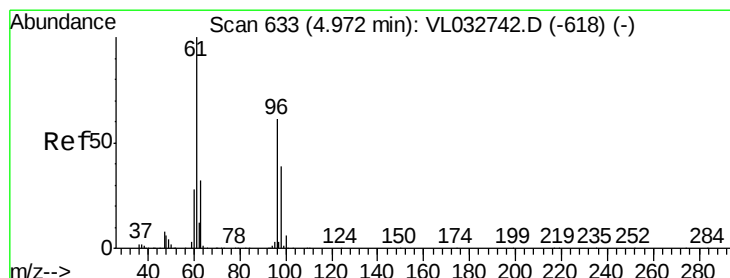
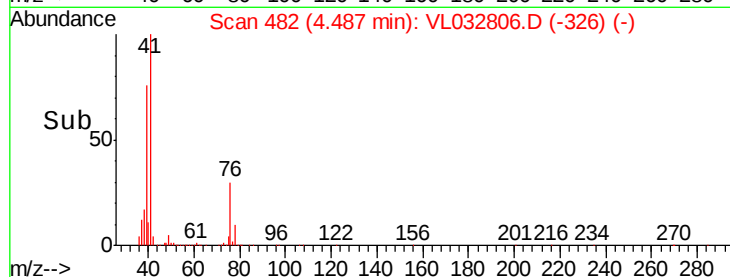
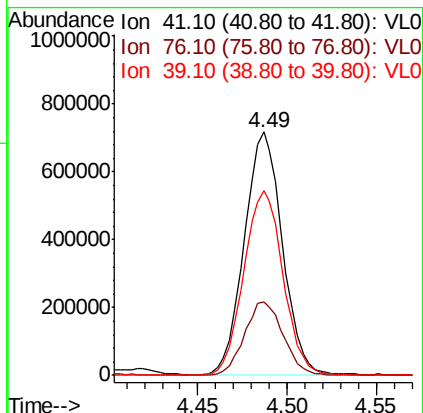
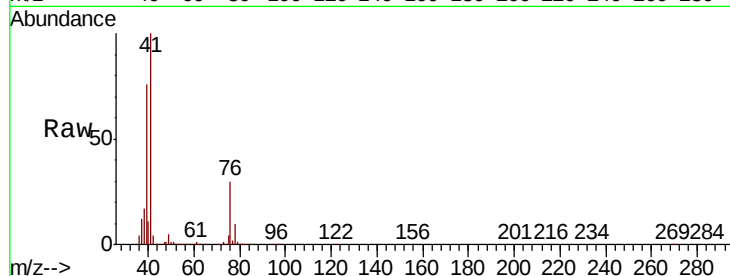
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	1064538
Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.4	36.6
39	78.7	63.5	95.3

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#22

trans-1,2-Dichloroethene

Concen: 9.941 ppbv

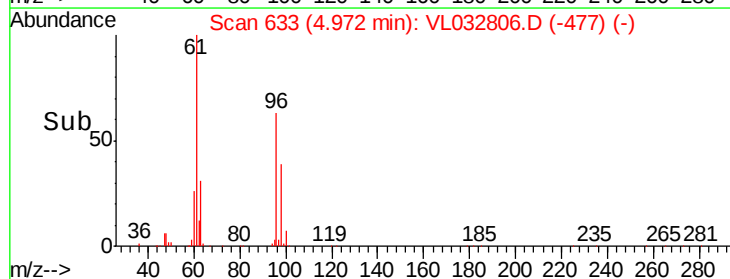
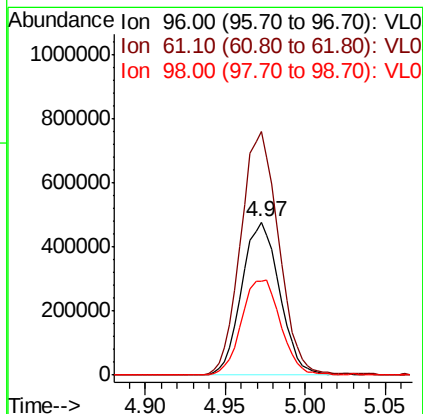
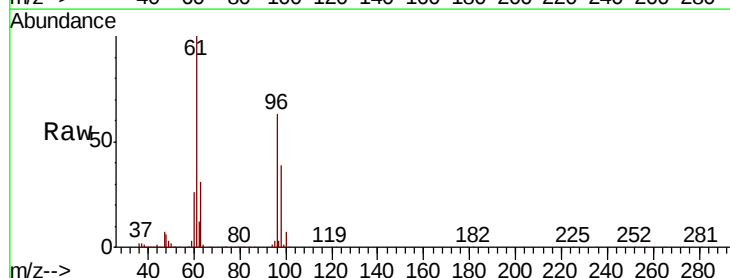
RT: 4.97 min Scan# 633

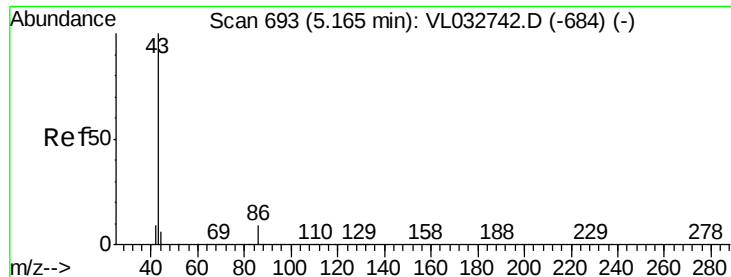
Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Tgt Ion:	96	Resp:	771737
Ion	Ratio	Lower	Upper
96	100		
61	159.2	130.2	195.2
98	61.7	50.2	75.2





#23

Vinyl Acetate

Concen: 10.648 ppbv

RT: 5.17 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2590054

Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.4

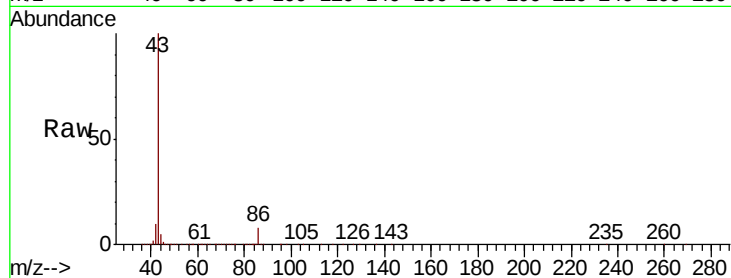
42 9.6 7.8 11.6

44 5.2 4.4 6.6

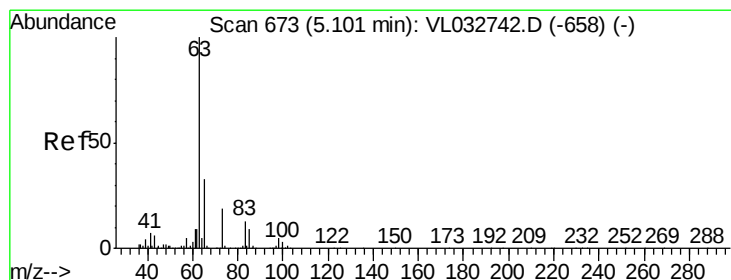
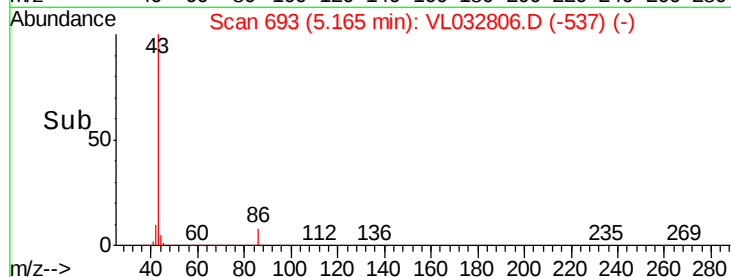
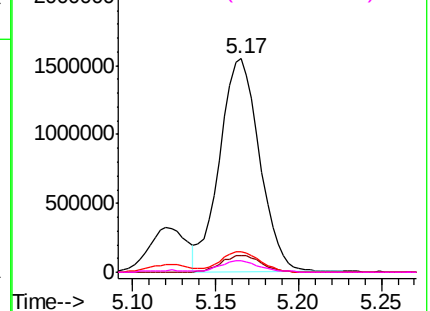
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.726 ppbv

RT: 5.10 min Scan# 673

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

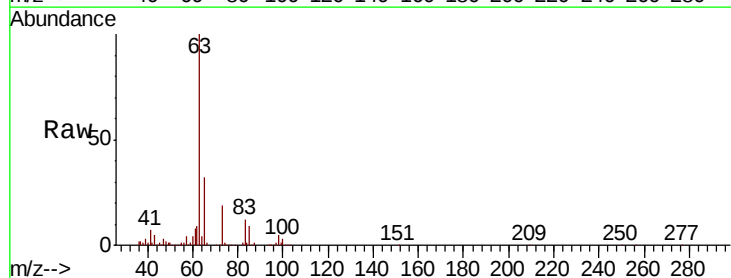
Tgt Ion: 63 Resp: 1880890

Ion Ratio Lower Upper

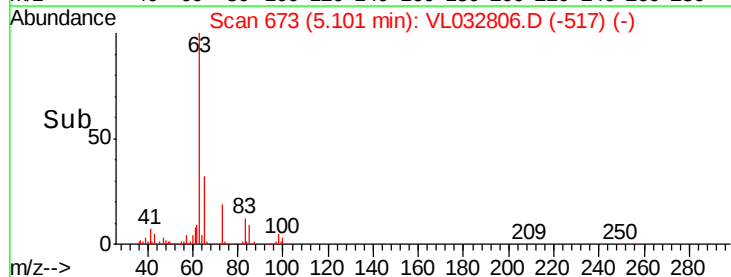
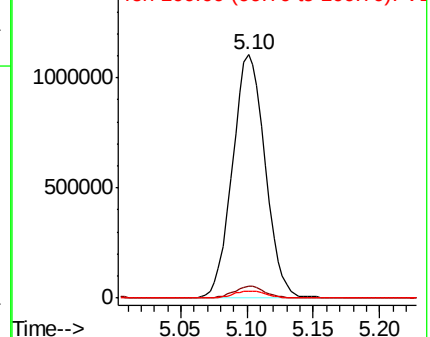
63 100

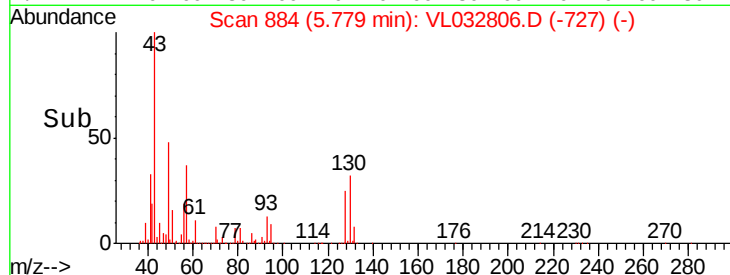
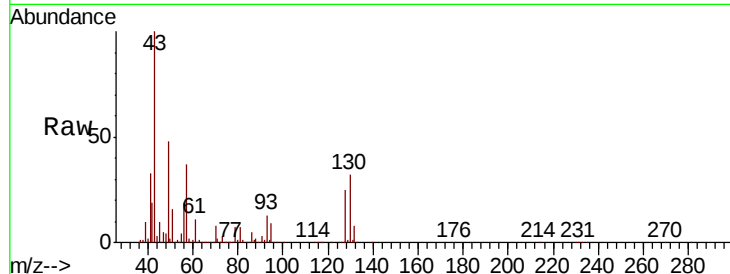
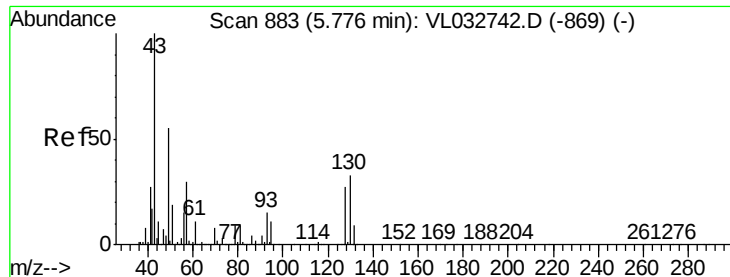
98 4.7 2.3 6.8

100 3.0 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





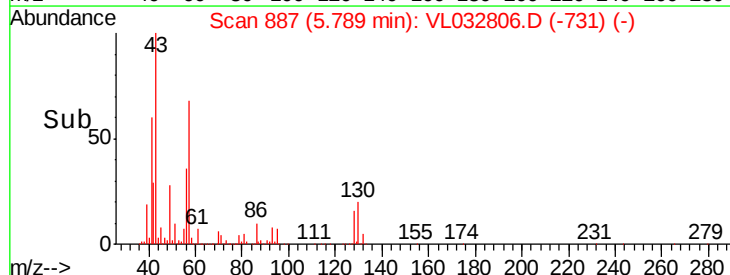
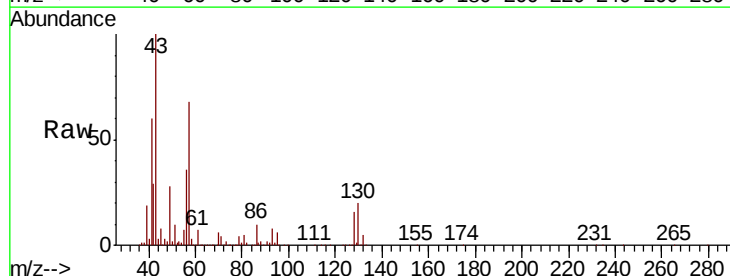
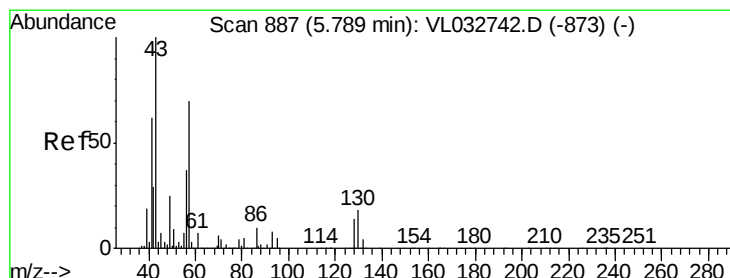
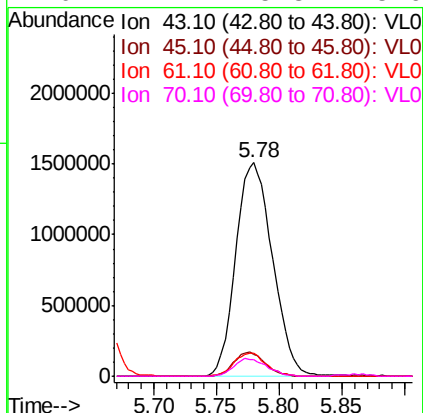
#25
Ethyl Acetate
Concen: 9.863 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tot Ion	43	Resp	3067595
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.5	7.8	11.6
70	7.4	5.8	8.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

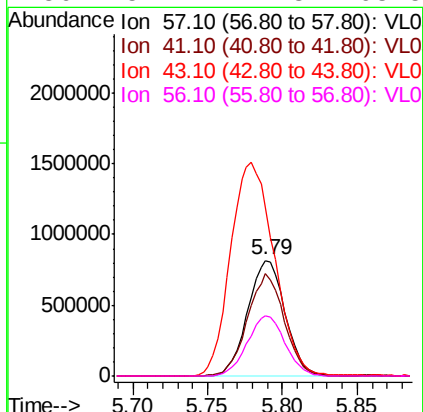
Manual Integrations
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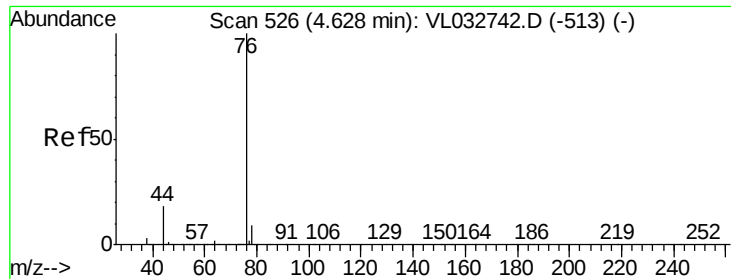
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#26
Hexane
Concen: 10.219 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	57	Resp	1414755
Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.3	105.5
43	217.5	174.0	261.0
56	52.7	42.3	63.5





#27

Carbon Disulfide

Concen: 10.024 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1759755

Ion Ratio Lower Upper

76 100

44 17.3 14.4 21.6

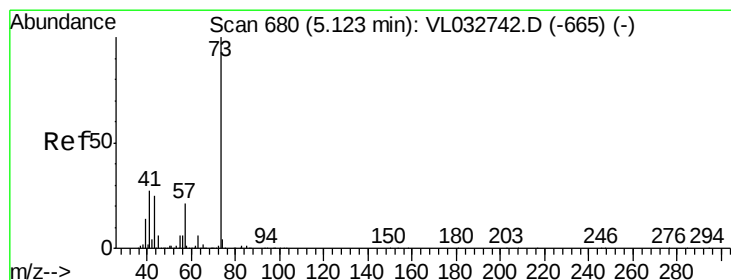
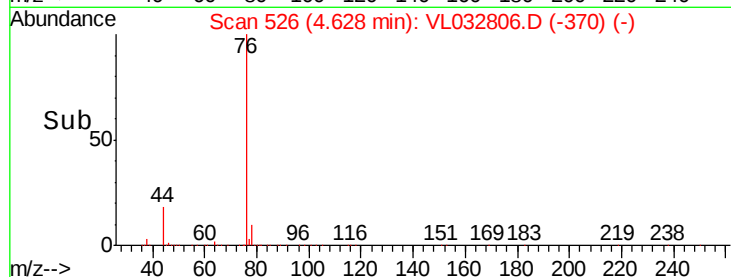
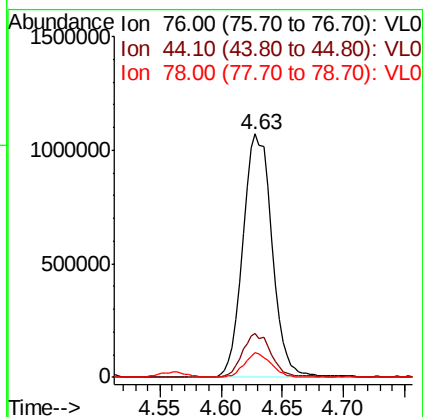
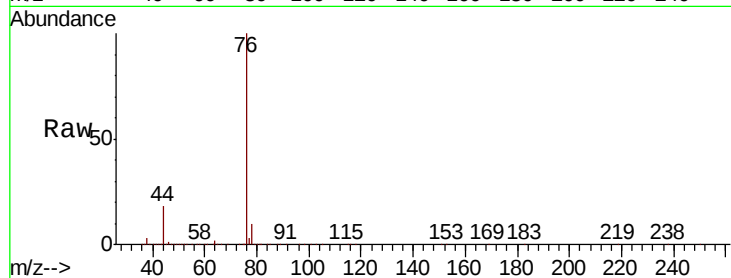
78 9.3 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 10.581 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032806.D

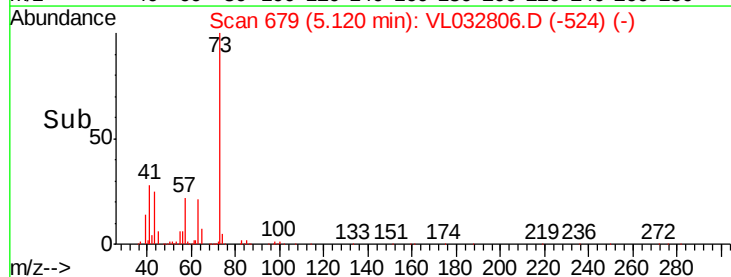
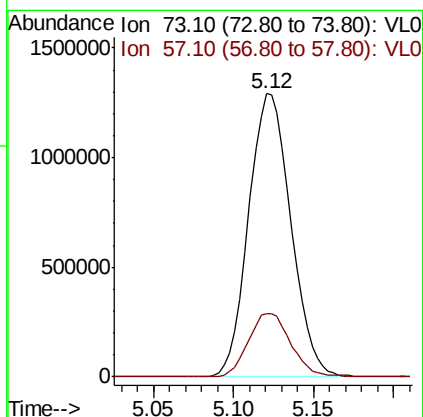
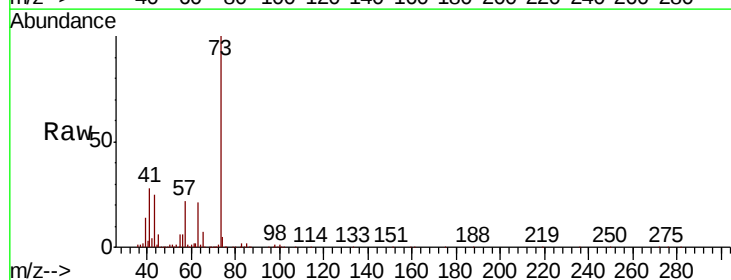
Acq: 21 Nov 2018 9:10

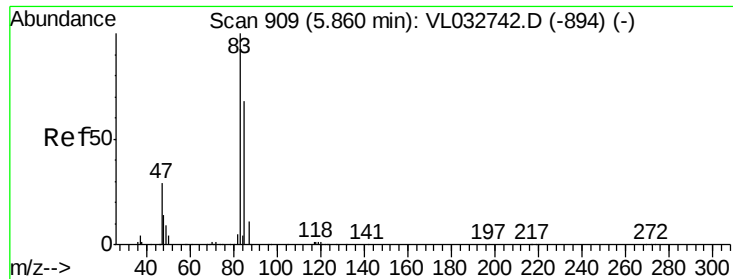
Tgt Ion: 73 Resp: 2336189

Ion Ratio Lower Upper

73 100

57 22.5 17.5 26.3





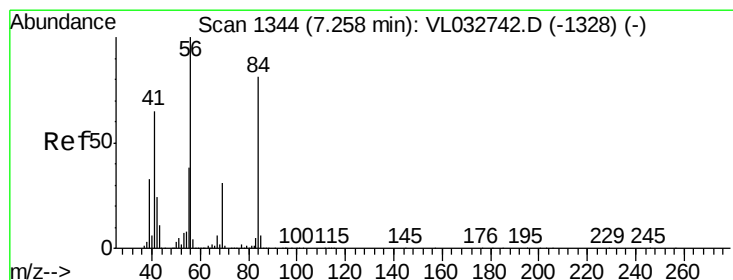
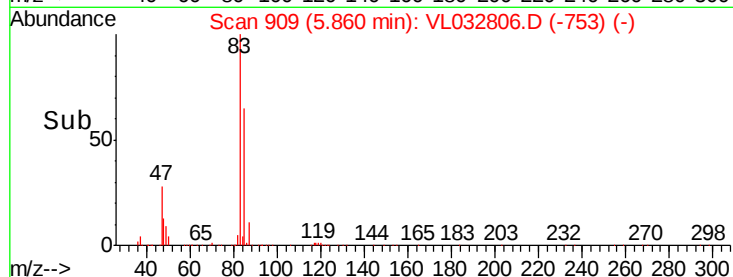
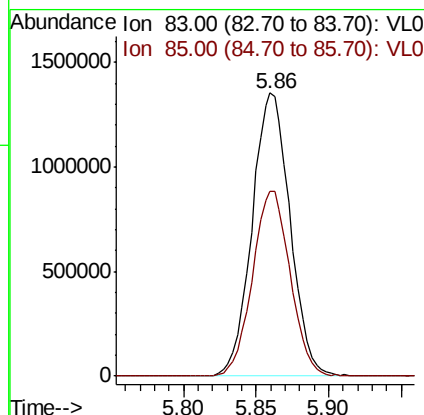
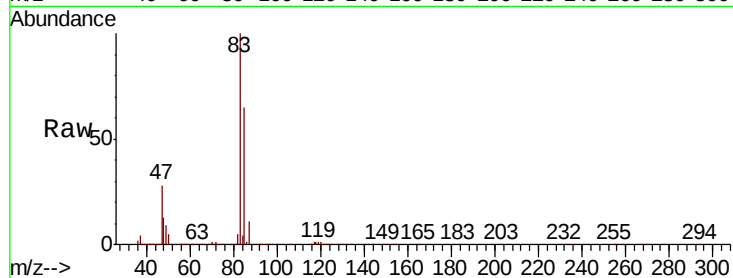
#29
Chloroform
Concen: 9.984 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2463541
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4

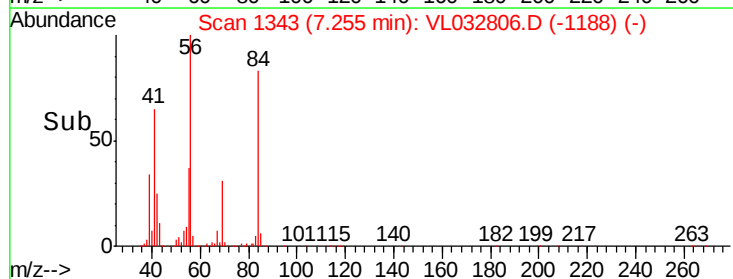
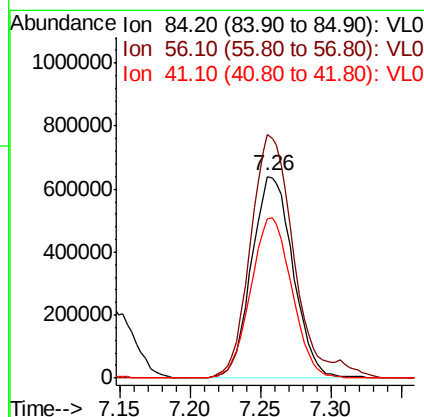
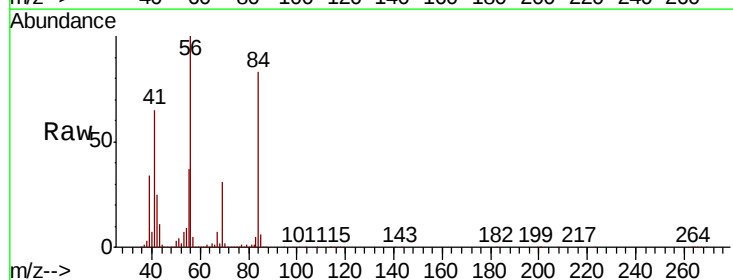
Manual Integrations
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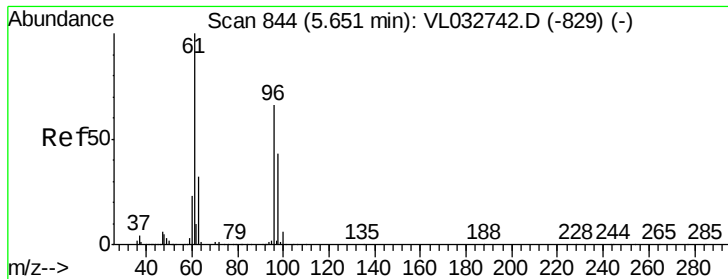
MMDadoda
11/26/2018 9:19:11 AM



#30
Cyclohexane
Concen: 10.830 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 84 Resp: 1311393
Ion Ratio Lower Upper
84 100
56 127.7 105.0 157.4
41 79.2 65.3 97.9





#31

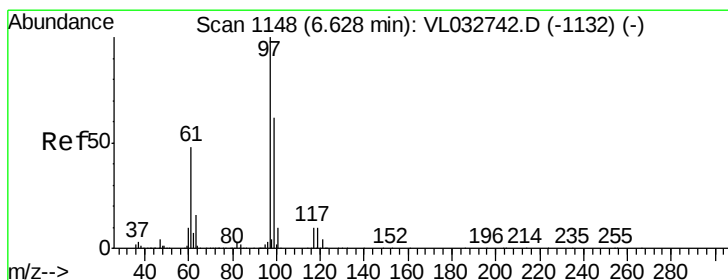
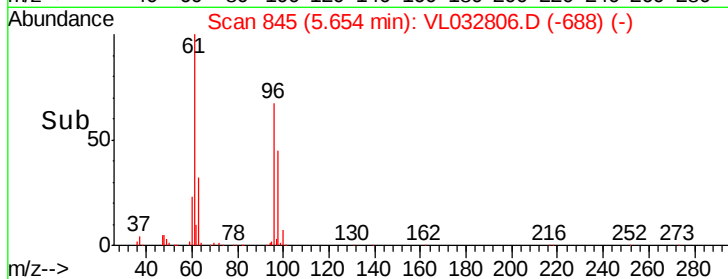
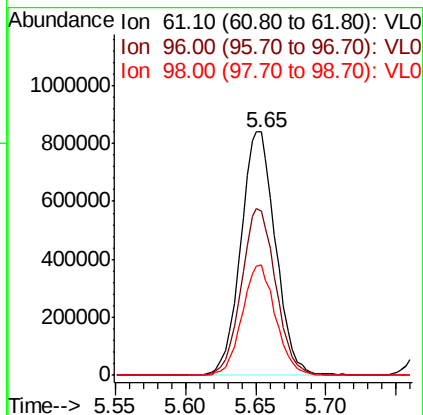
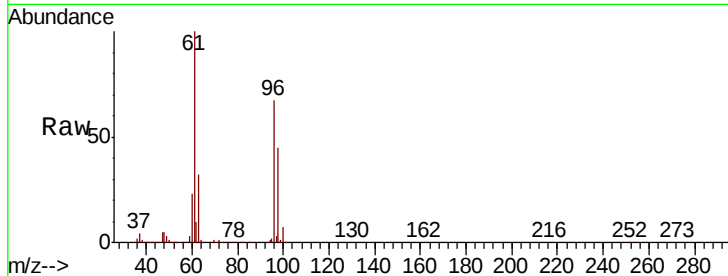
cis-1,2-Dichloroethene
Concen: 10.391 ppbv
RT: 5.65 min Scan# 845
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.3	53.2	79.8
98	45.3	34.4	51.6

Manual Integrations
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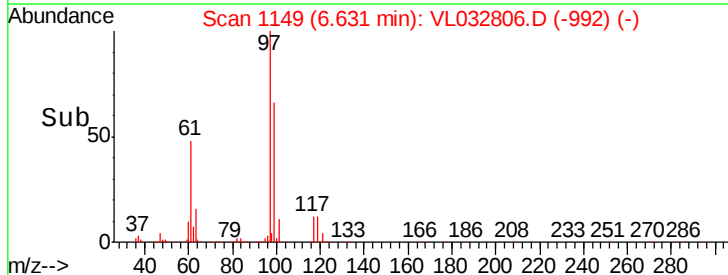
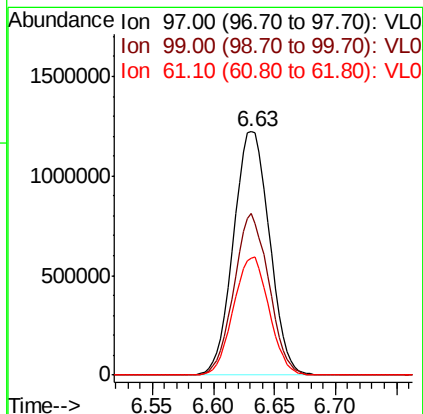
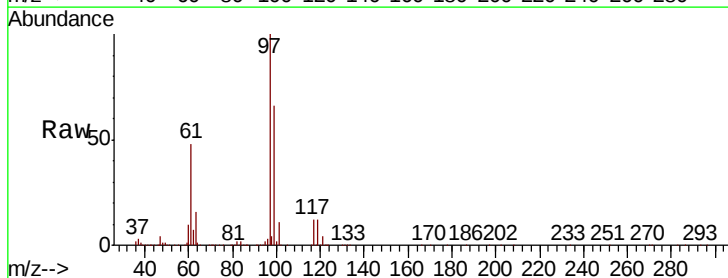
MMDadoda
11/26/2018 9:19:11 AM

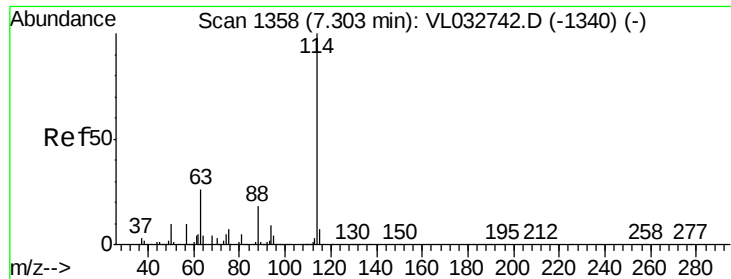


#32

1,1,1-Trichloroethane
Concen: 9.278 ppbv
RT: 6.63 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	47.9	39.7	59.5





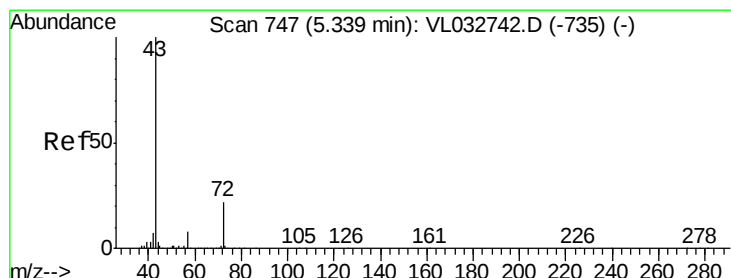
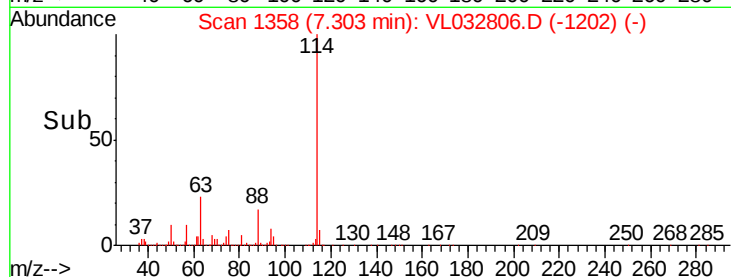
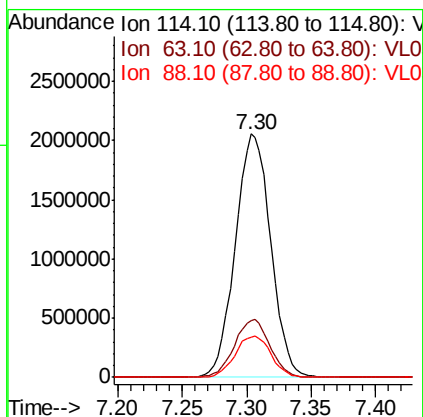
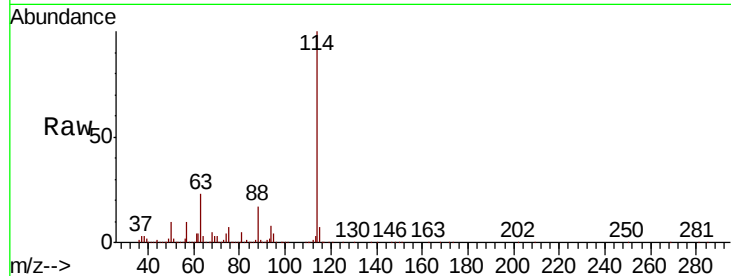
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	20.9	31.3
88	17.3	14.4	21.6

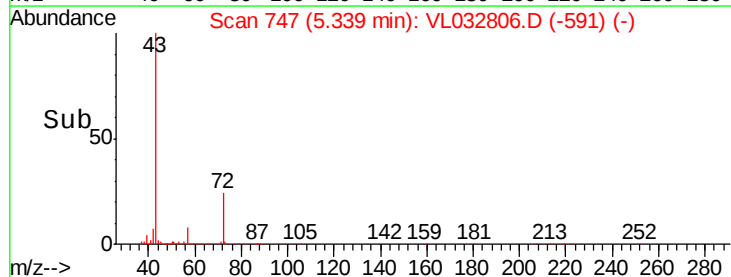
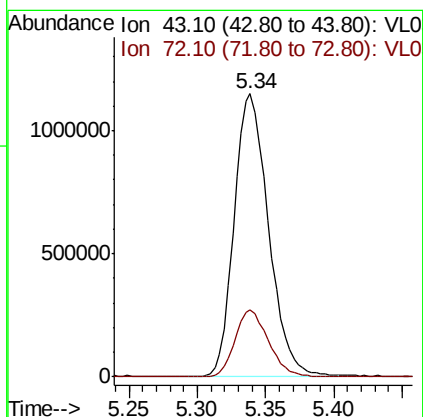
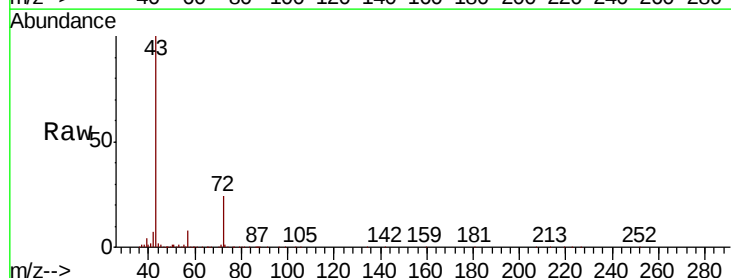
Manual Integrations
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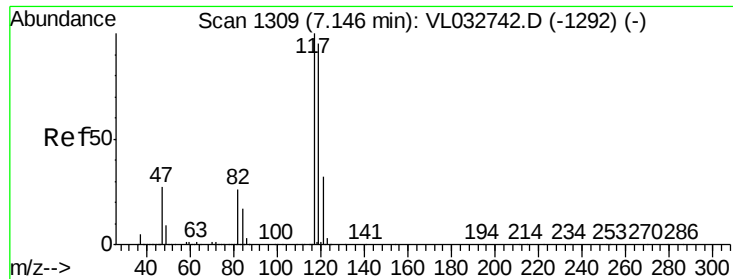
MMDadoda
 11/26/2018 9:19:11 AM



#34
 2-Butanone
 Concen: 9.889 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6





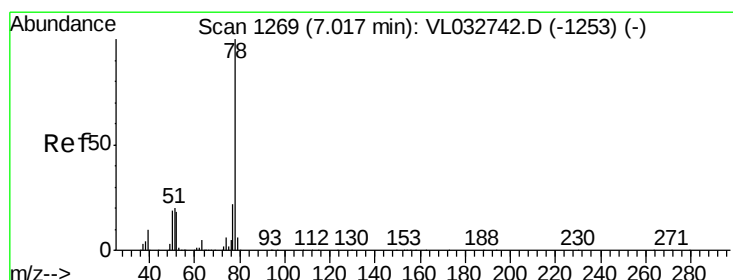
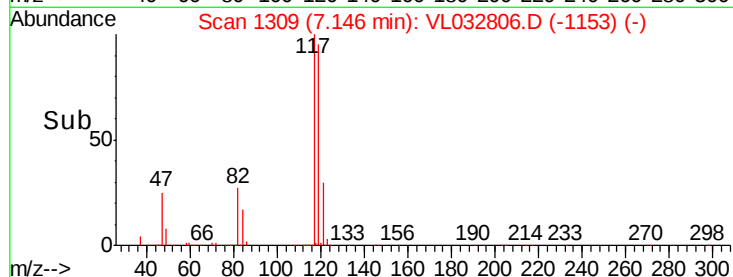
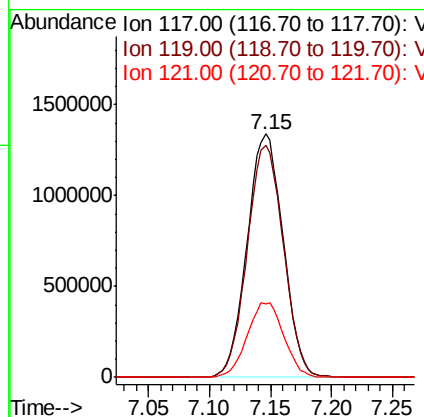
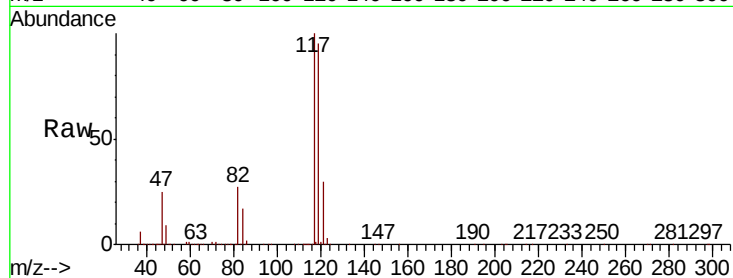
#35
Carbon Tetrachloride
Concen: 8.664 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.1	114.1
121	30.0	25.4	38.0

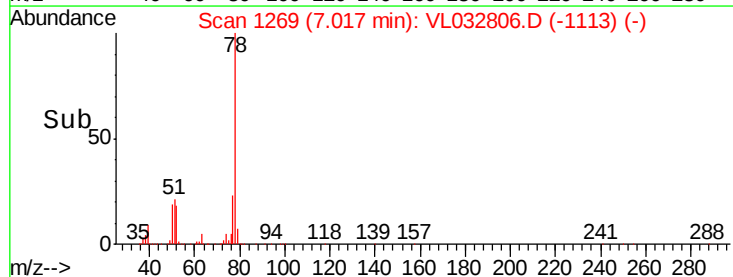
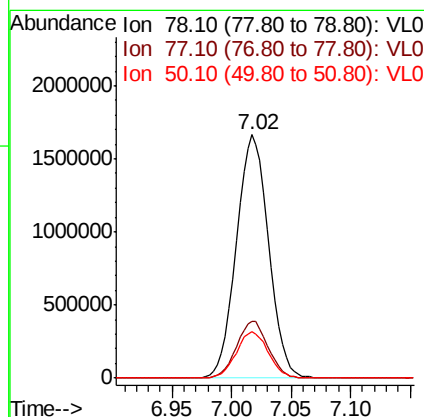
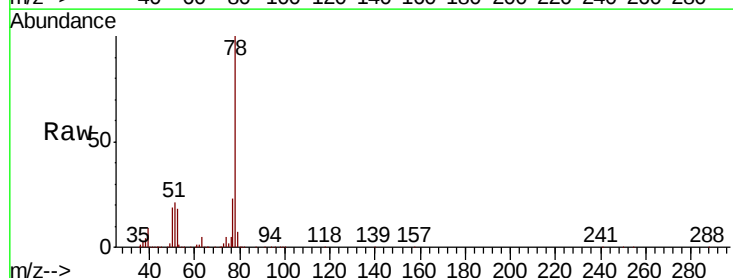
Manual Integrations
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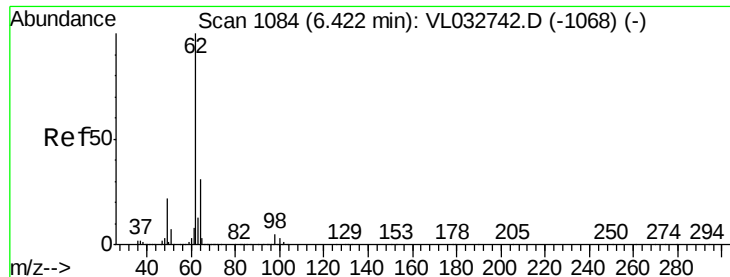
MMDadoda
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#36
Benzene
Concen: 10.003 ppbv
RT: 7.02 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	17.8	26.8
50	18.9	15.4	23.0





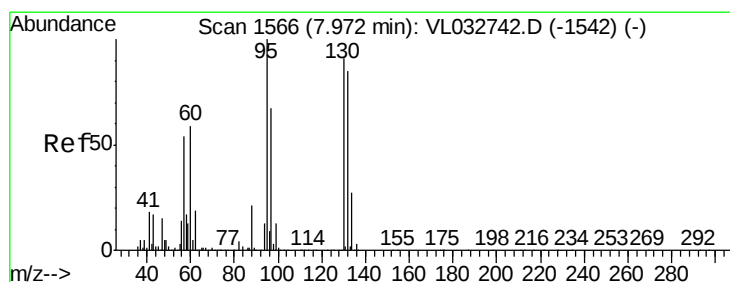
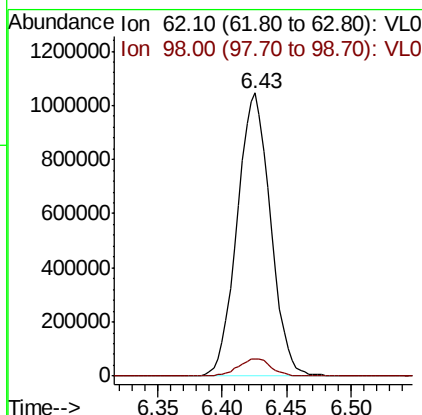
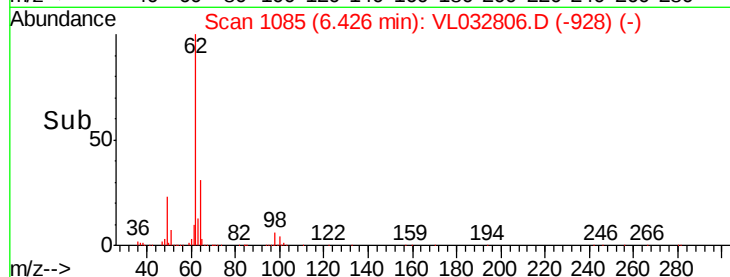
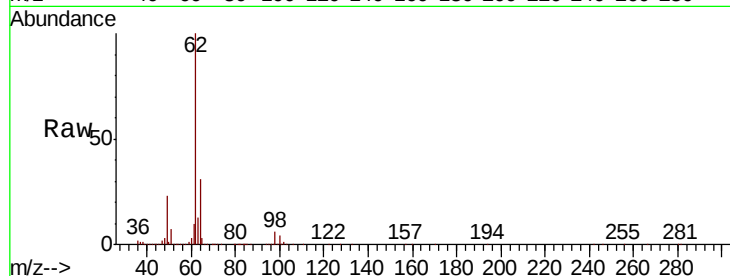
#37
 1,2-Dichloroethane
 Concen: 8.959 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1880349
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.5 6.7

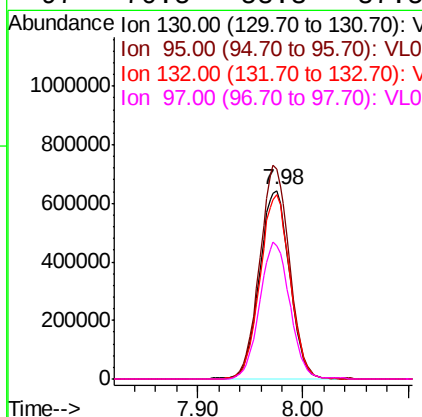
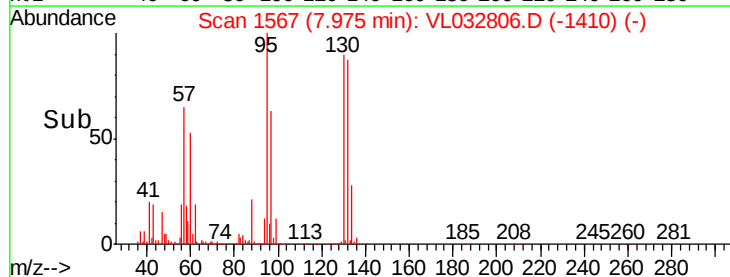
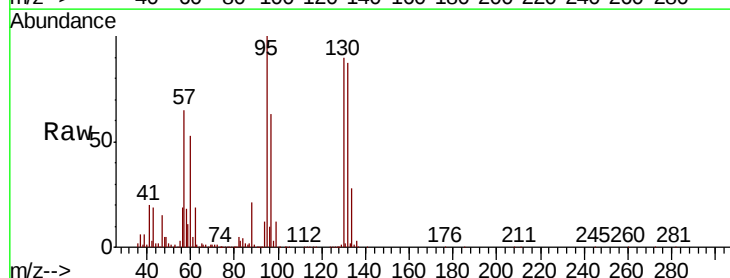
Manual Integrations
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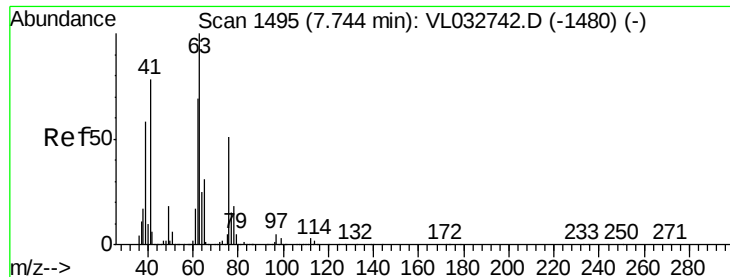
MMDadoda
 11/26/2018 9:19:11 AM



#38
 Trichloroethene
 Concen: 10.187 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion: 130 Resp: 1285453
 Ion Ratio Lower Upper
 130 100
 95 111.7 87.7 131.5
 132 97.6 74.6 111.8
 97 70.5 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.718 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1154438

Ion Ratio Lower Upper

63 100

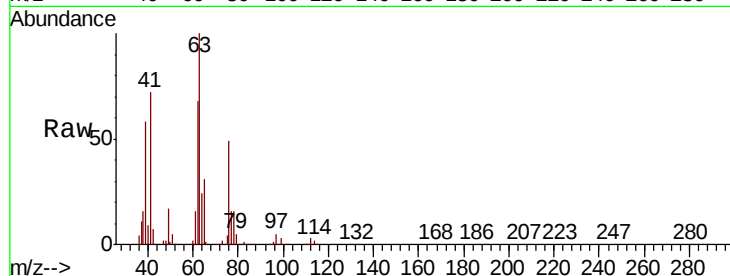
41 71.5 62.0 93.0

62 67.7 55.4 83.2

Manual Integrations
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Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

800000

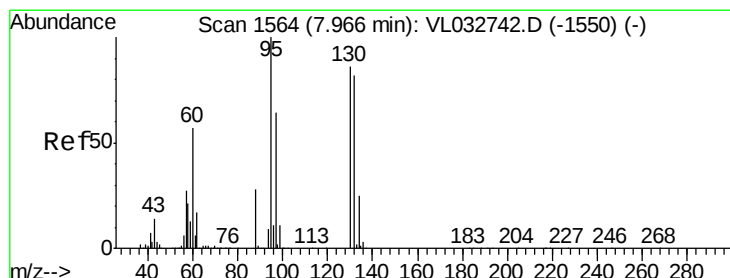
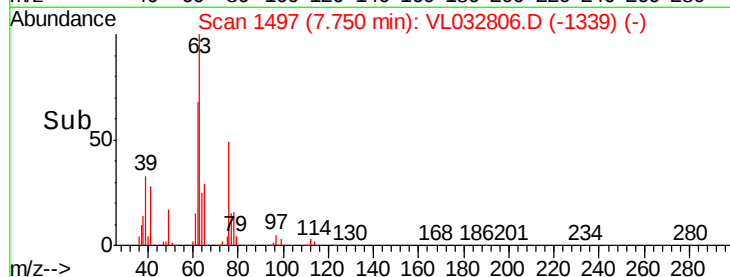
600000

400000

200000

0

Time-->



#40

1,4-Dioxane

Concen: 10.566 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Tgt Ion: 88 Resp: 448317

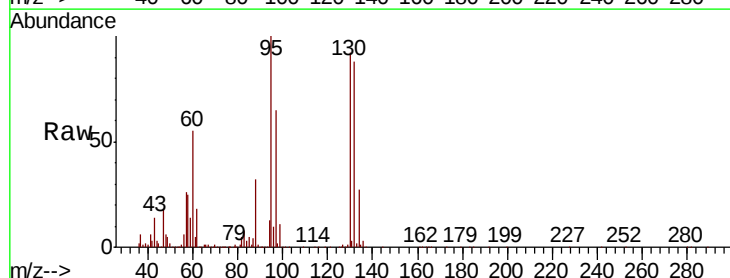
Ion Ratio Lower Upper

88 100

58 124.2 105.3 157.9

43 254.1 226.1 339.1

57 1151.4 1015.2 1522.8



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

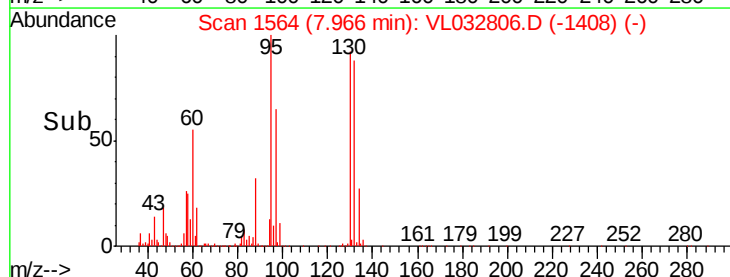
3000000

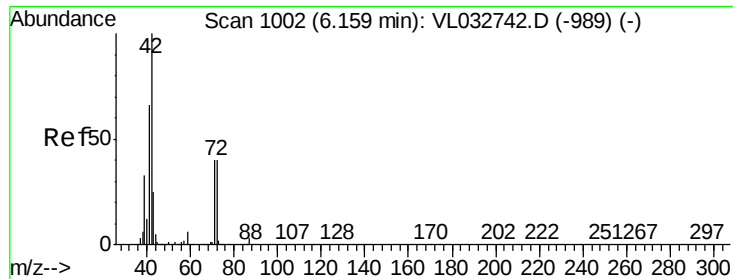
2000000

1000000

0

Time-->





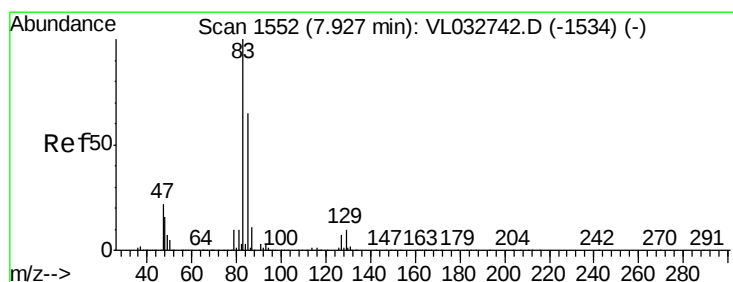
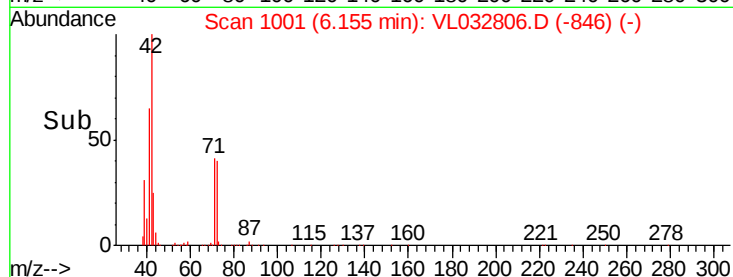
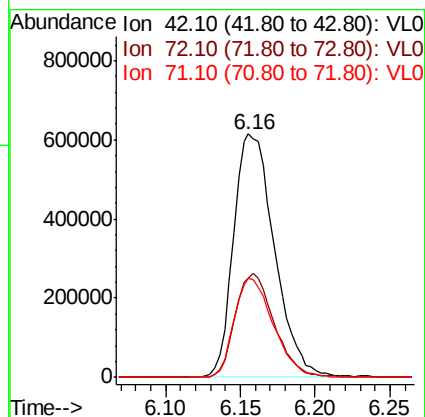
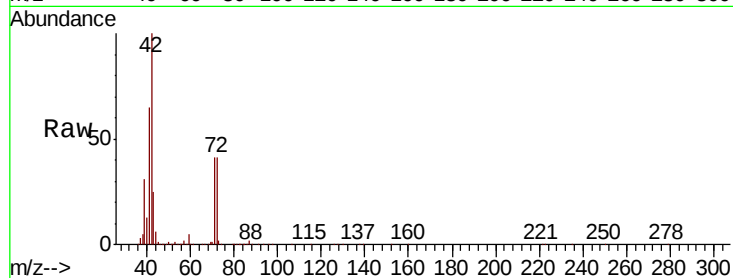
#41
Tetrahydrofuran
Concen: 10.055 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 42 Resp: 1171308
Ion Ratio Lower Upper
42 100
72 41.0 32.4 48.6
71 39.3 31.6 47.4

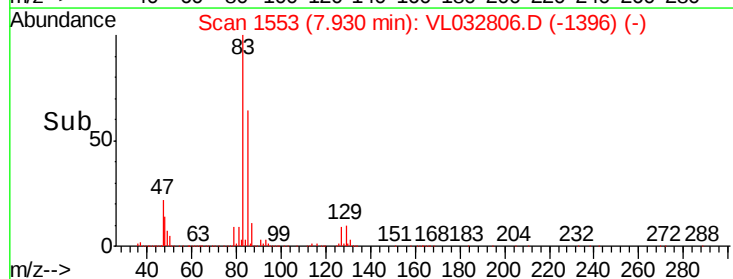
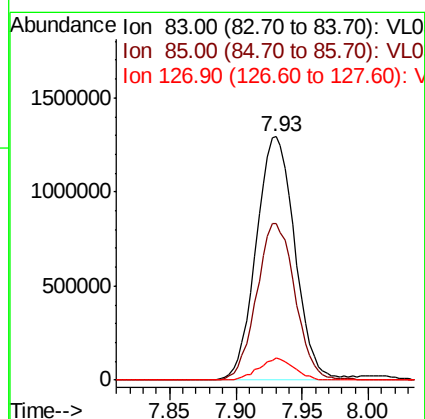
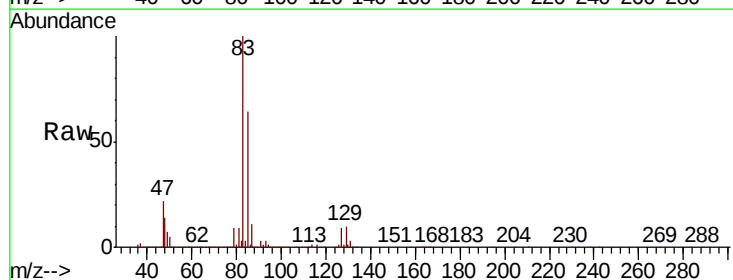
Manual Integrations
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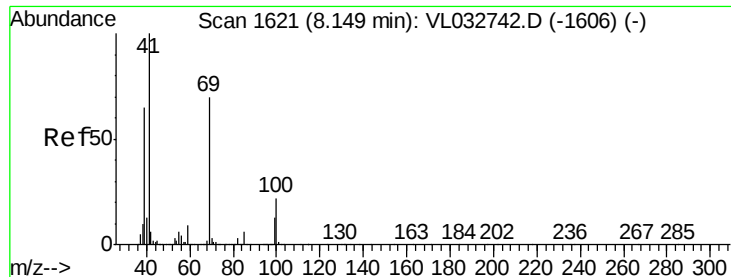
MMDadoda
11/26/2018 9:19:11 AM



#42
Bromodichloromethane
Concen: 9.237 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 83 Resp: 2628237
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8
127 9.0 5.9 8.9#





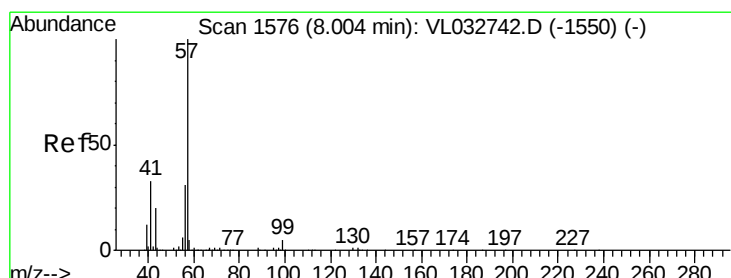
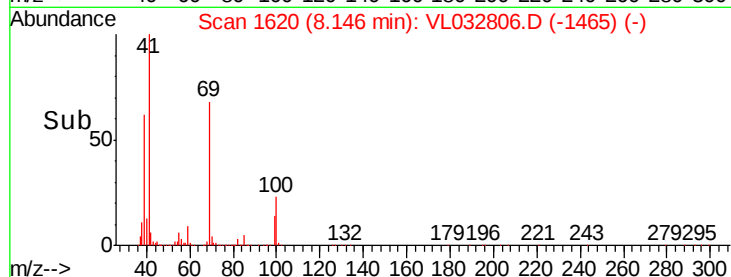
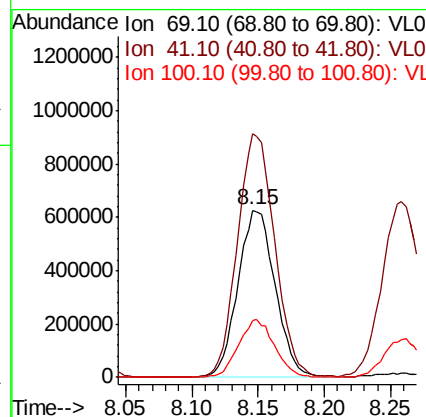
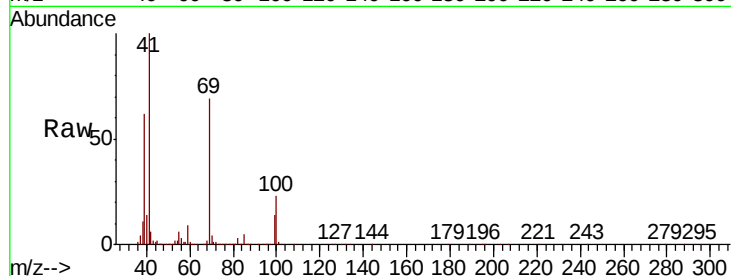
#43
Methyl Methacrylate
Concen: 10.513 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.8	115.0	172.4	
100	33.4	25.4	38.0	

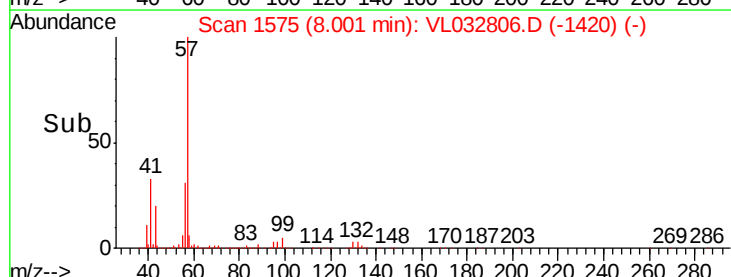
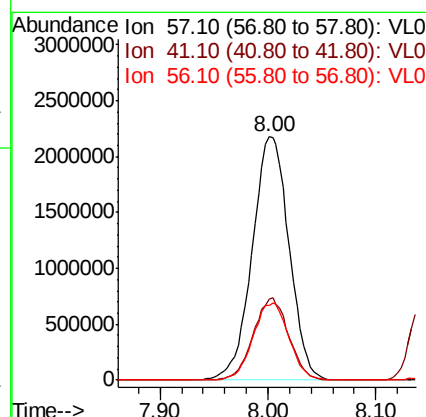
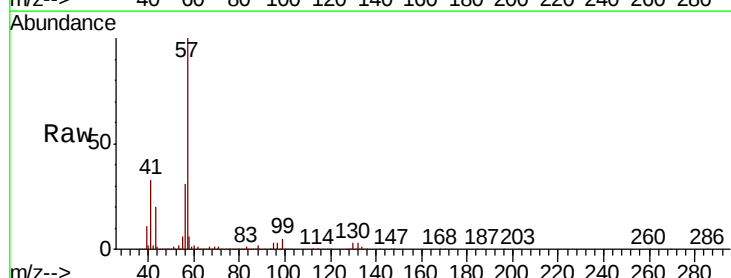
Manual Integrations
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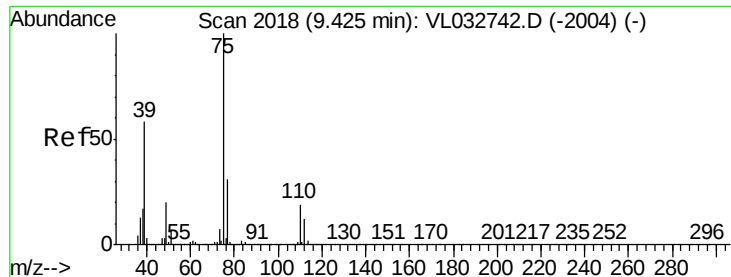
MMDadoda
11/26/2018 9:19:11 AM



#44
2,2,4-Trimethylpentane
Concen: 9.883 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.5	26.6	39.8	
56	31.0	24.8	37.2	





#45

t-1,3-Dichloropropene

Concen: 11.282 ppbv

RT: 9.43 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1762235

Ion Ratio Lower Upper

75 100

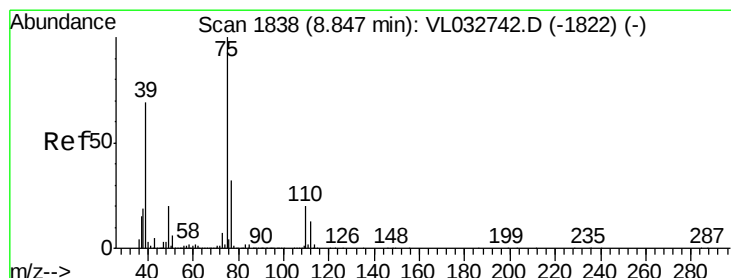
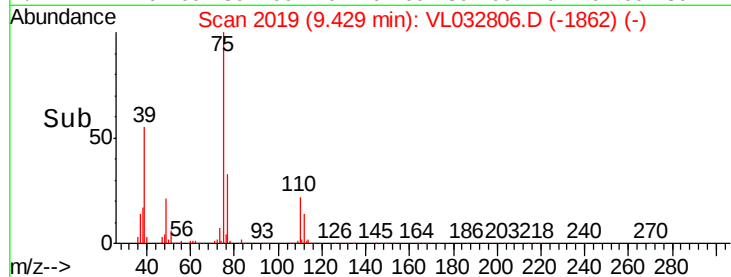
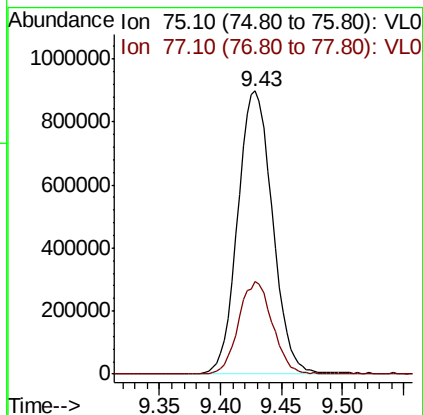
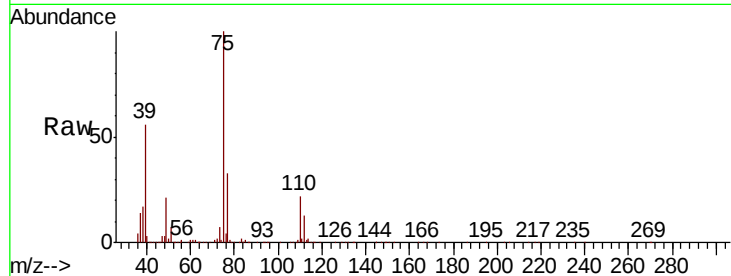
77 32.8 24.6 36.8

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#46

cis-1,3-Dichloropropene

Concen: 10.811 ppbv

RT: 8.85 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

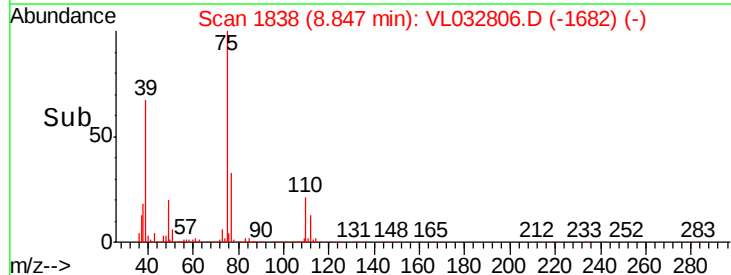
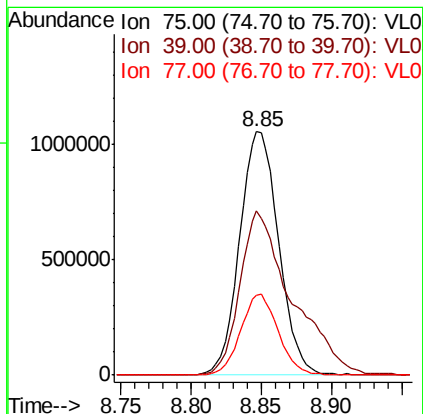
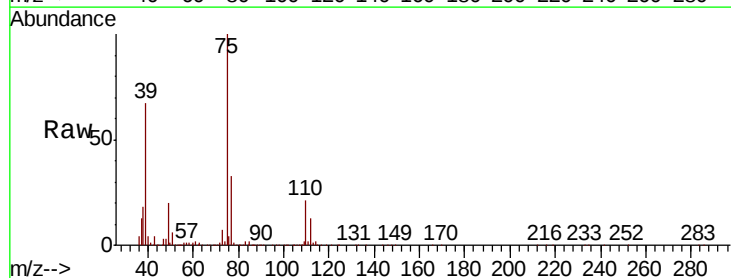
Tgt Ion: 75 Resp: 2040131

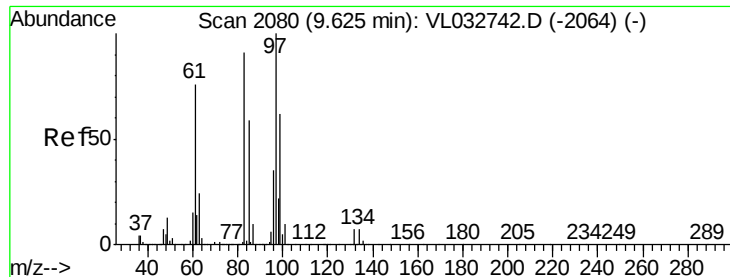
Ion Ratio Lower Upper

75 100

39 67.3 55.2 82.8

77 32.6 25.8 38.6





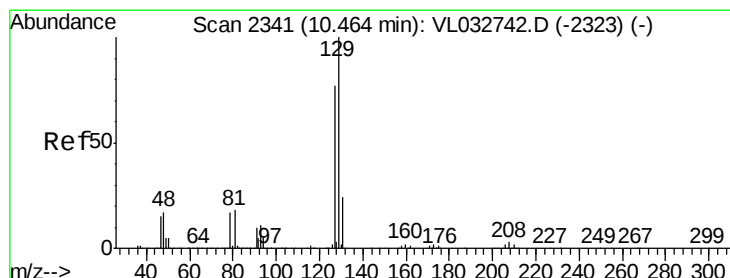
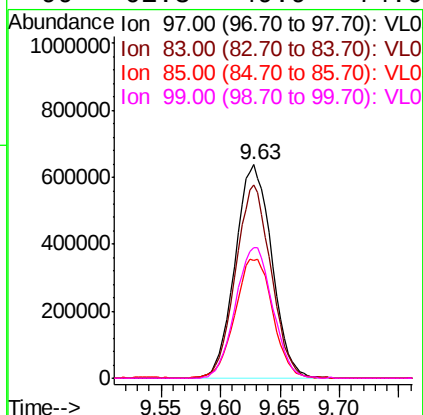
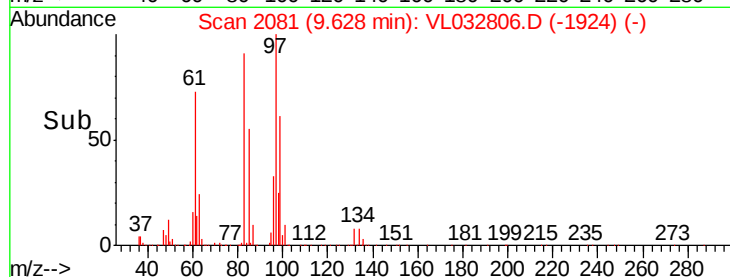
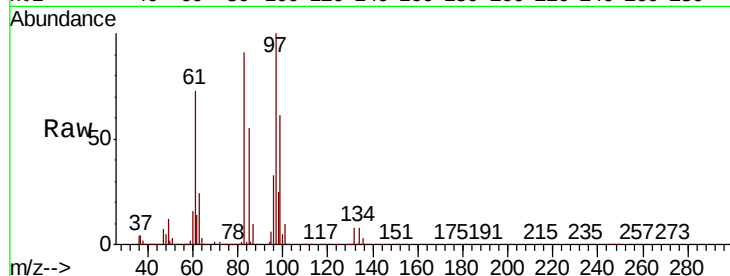
#47
 1,1,2-Trichloroethane
 Concen: 9.675 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.8	73.0	109.4	
85	55.0	47.0	70.4	
99	61.3	49.9	74.9	

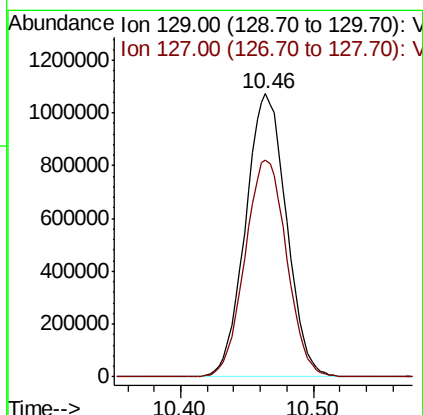
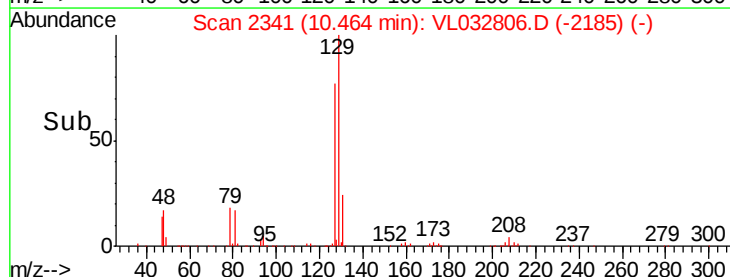
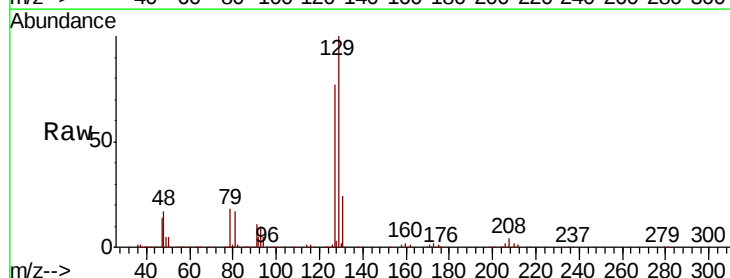
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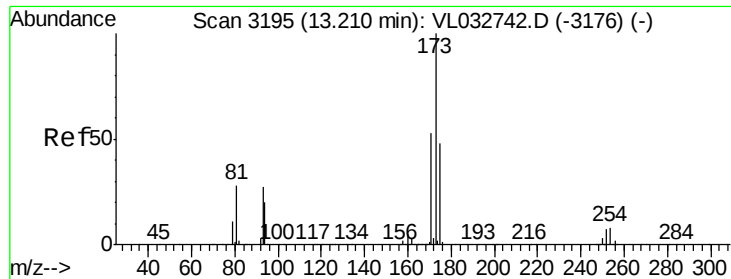
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#48
 Dibromochloromethane
 Concen: 9.648 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.0	117.0	





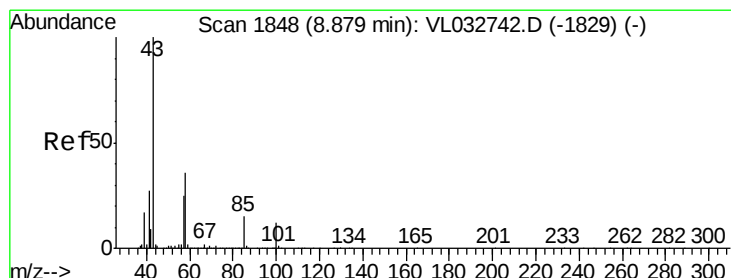
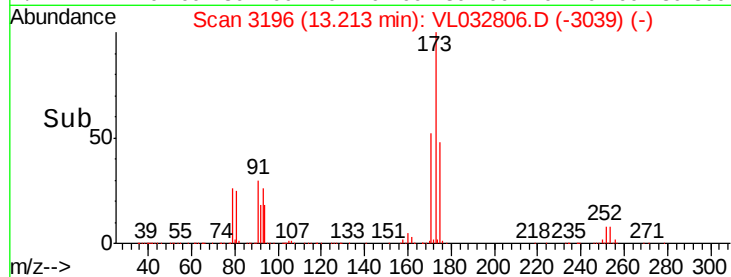
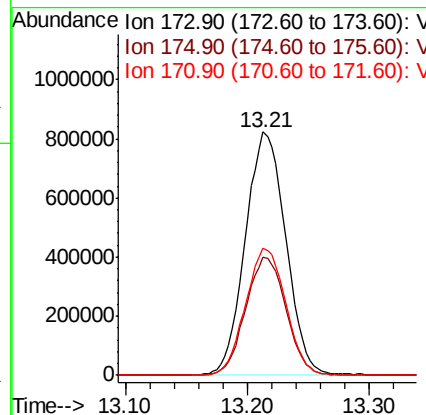
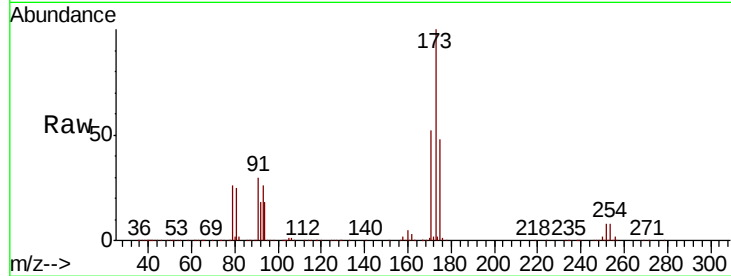
#49
Bromoform
Concen: 9.560 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1884939
Ion Ratio Lower Upper
173 100
175 49.0 39.4 59.0
171 52.3 42.0 63.0

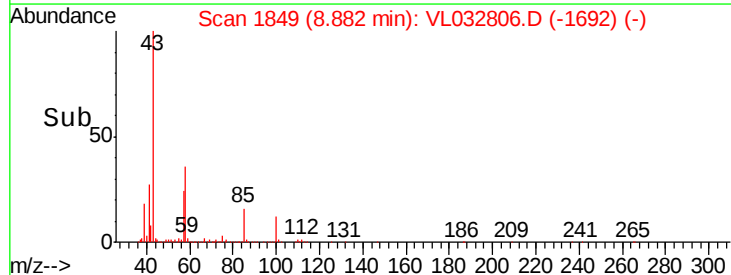
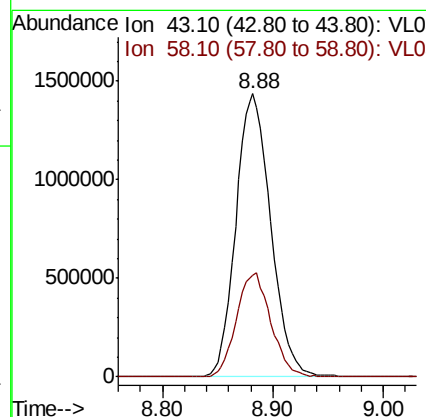
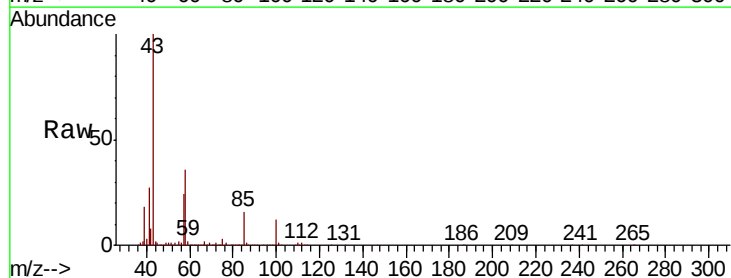
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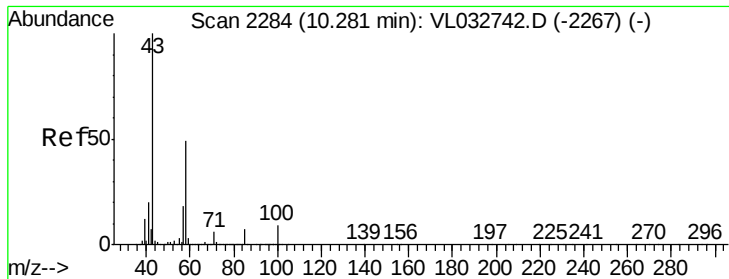
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#50
4-Methyl-2-Pentanone
Concen: 9.885 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 43 Resp: 3135387
Ion Ratio Lower Upper
43 100
58 36.3 28.8 43.2





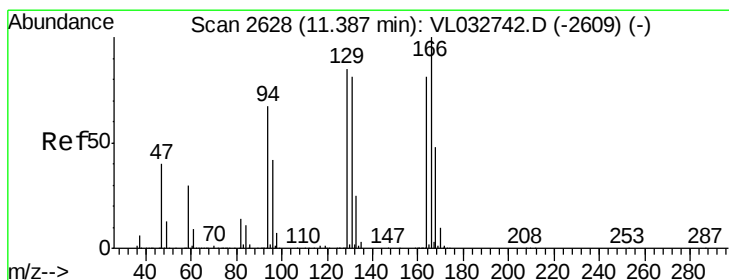
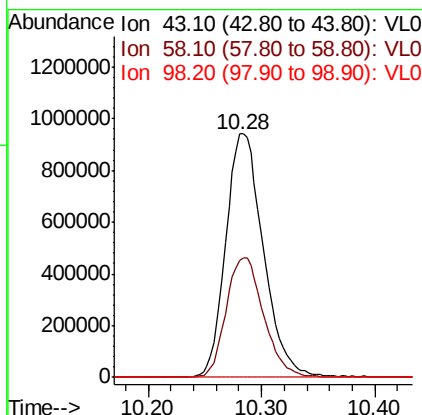
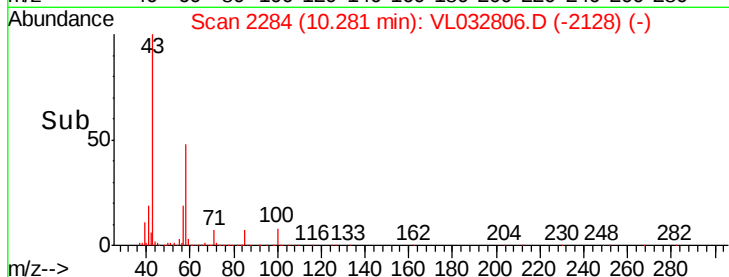
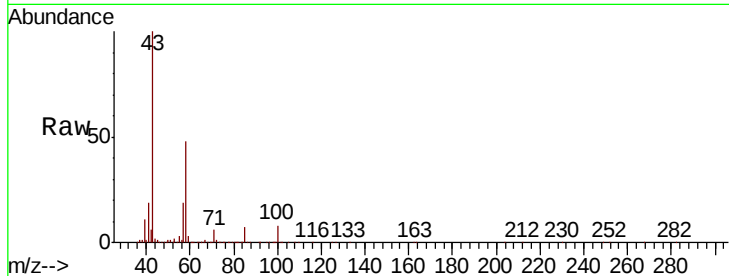
#51
2-Hexanone
Concen: 10.639 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2174216
Ion Ratio Lower Upper
43 100
58 49.3 38.9 58.3
98 0.4 0.2 0.4#

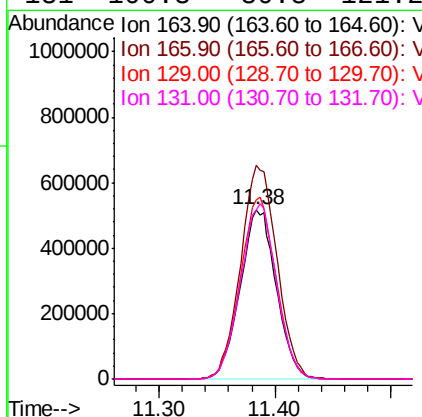
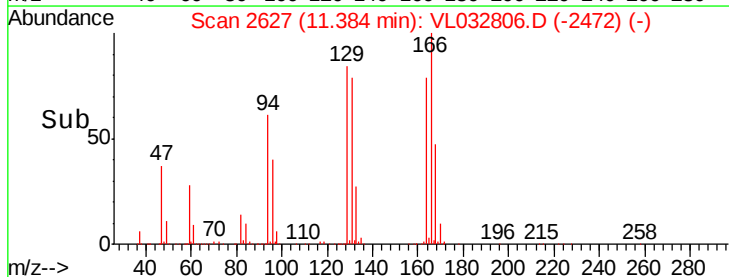
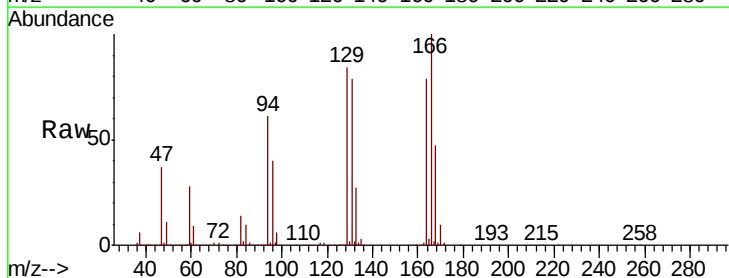
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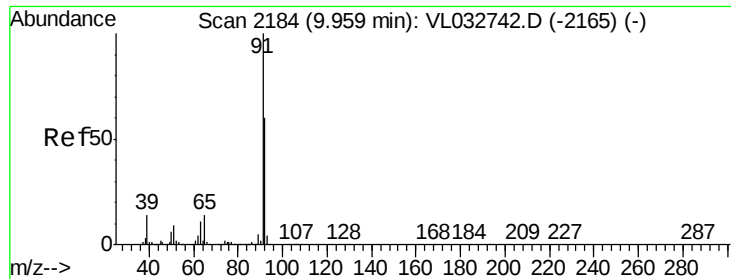
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#52
Tetrachloroethene
Concen: 10.273 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 164 Resp: 1114295
Ion Ratio Lower Upper
164 100
166 126.3 99.3 148.9
129 106.2 83.9 125.9
131 100.3 80.8 121.2





#53

Toluene

Concen: 11.089 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3607051

Ion Ratio Lower Upper

91 100

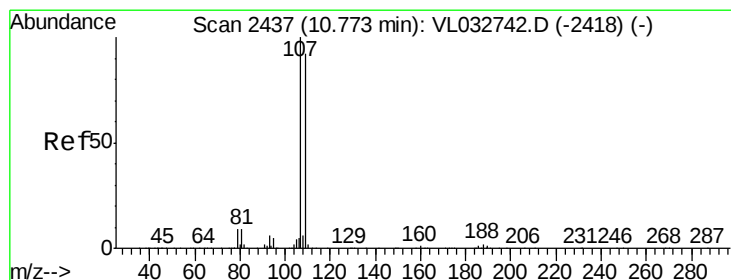
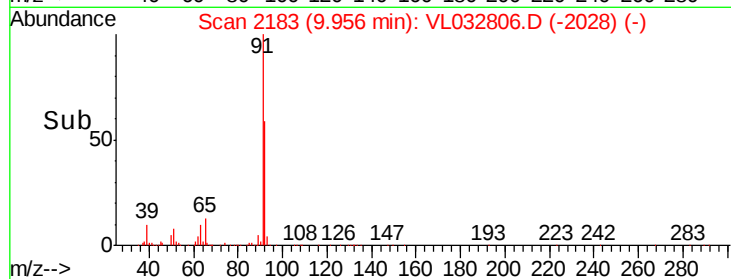
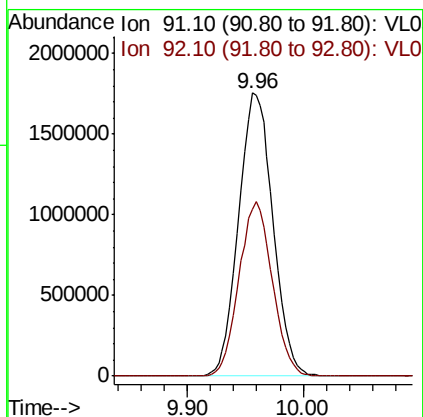
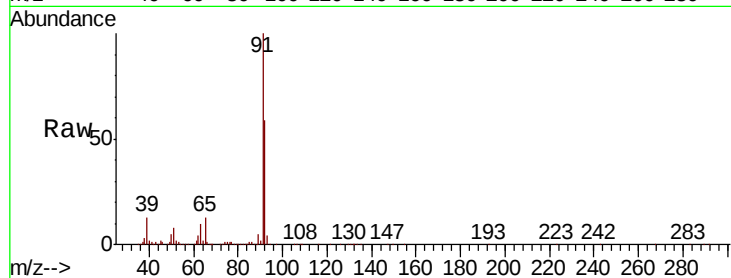
92 60.1 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 9.946 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032806.D

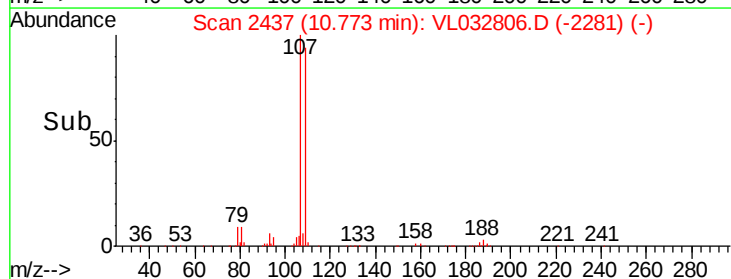
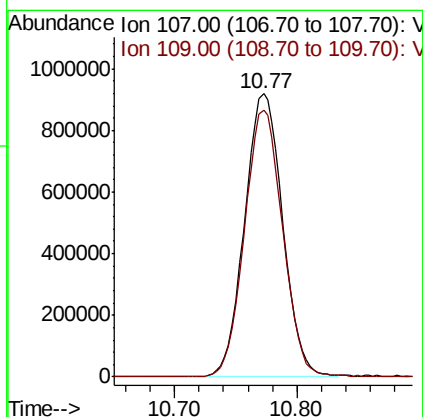
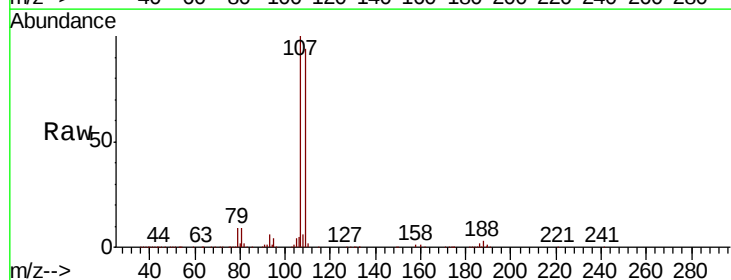
Acq: 21 Nov 2018 9:10

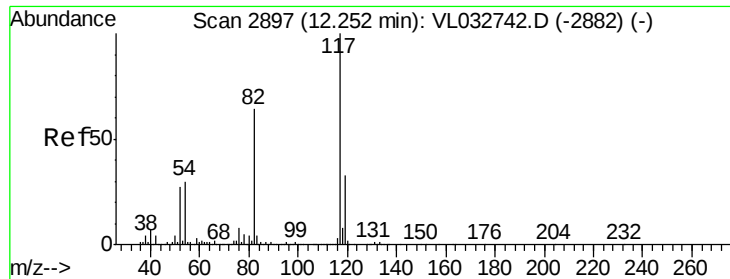
Tgt Ion: 107 Resp: 1975065

Ion Ratio Lower Upper

107 100

109 94.4 73.8 110.8





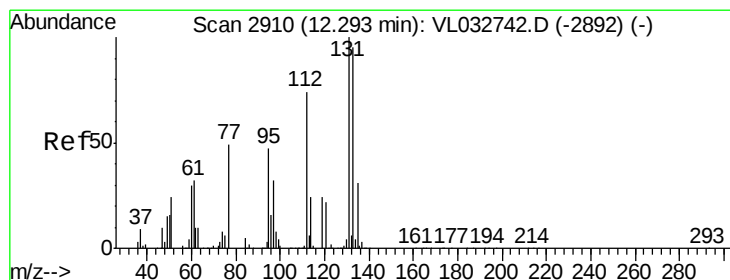
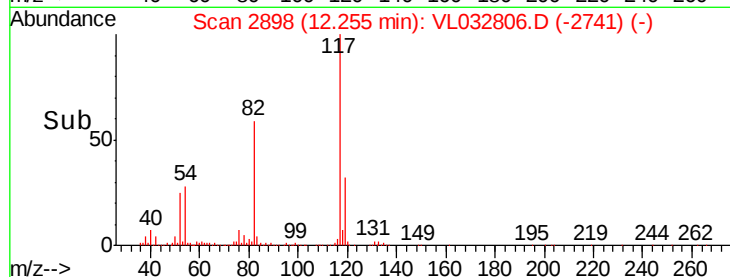
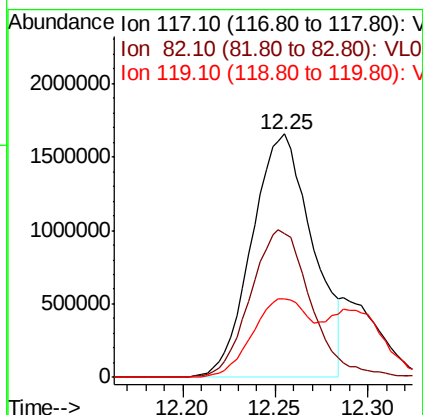
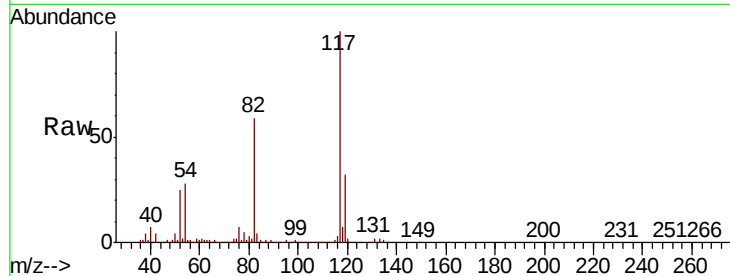
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3793541
Ion Ratio Lower Upper
117 100
82 60.6 51.0 76.6
119 31.4 28.0 42.0

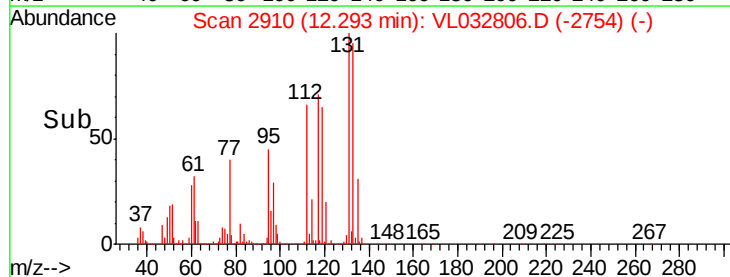
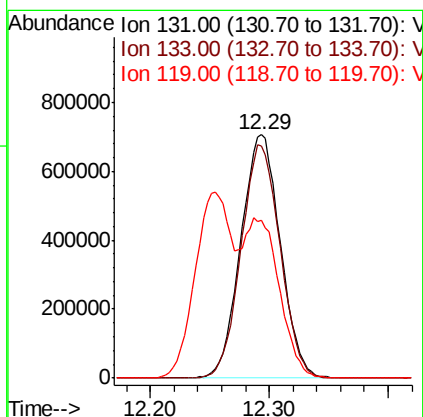
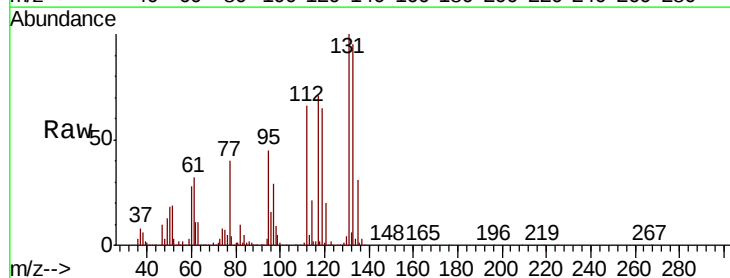
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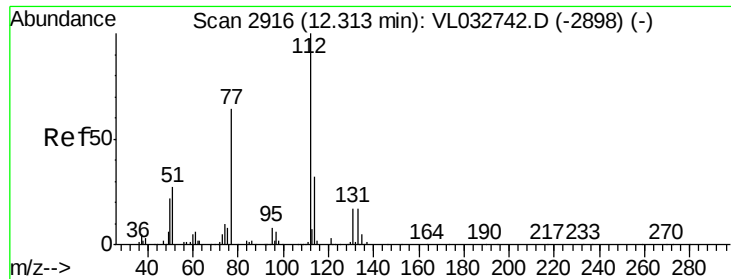
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.150 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion:131 Resp: 1618971
Ion Ratio Lower Upper
131 100
133 95.2 75.8 113.6
119 55.0 45.2 67.8





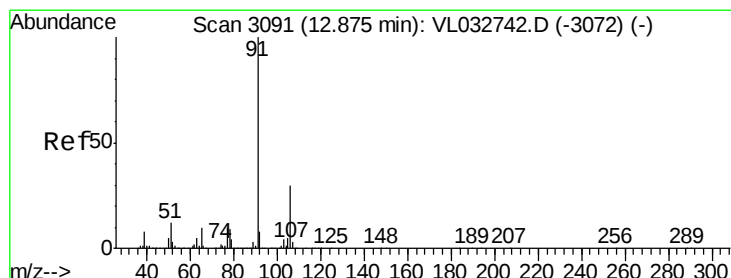
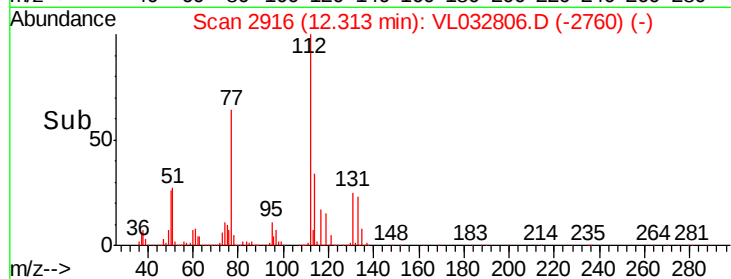
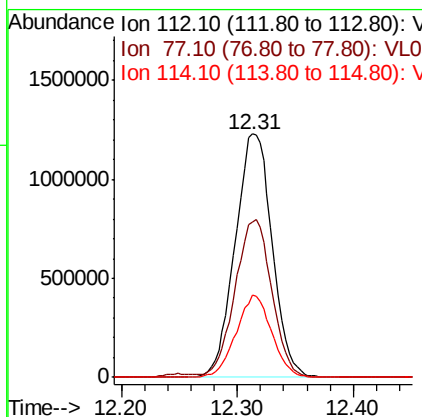
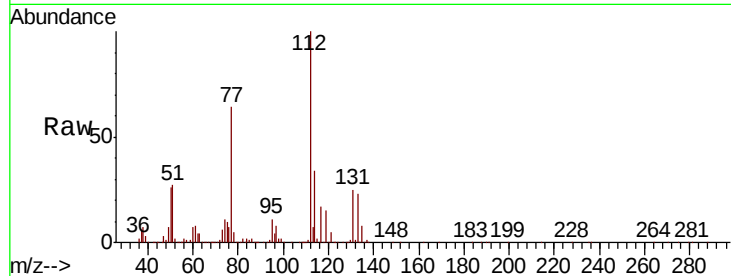
#57
Chlorobenzene
Concen: 9.357 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.6	52.3	78.5
114	33.8	28.4	34.8

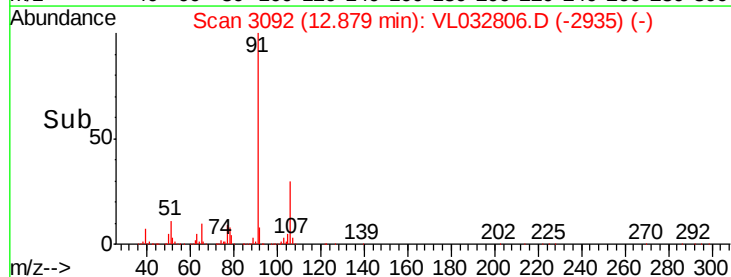
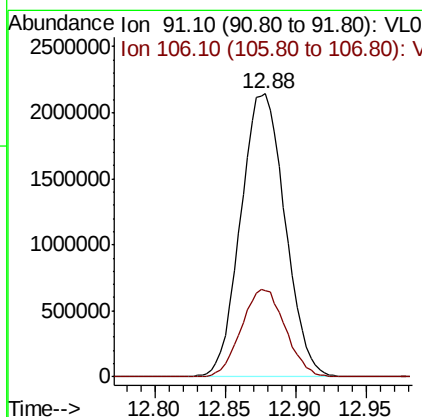
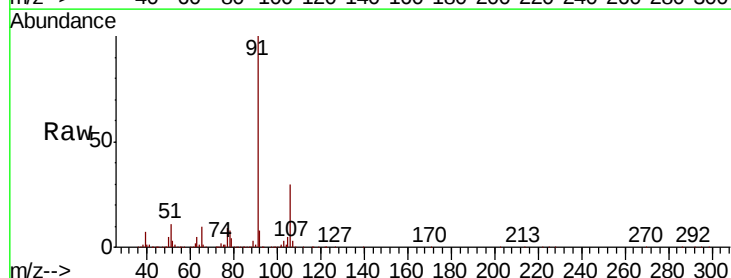
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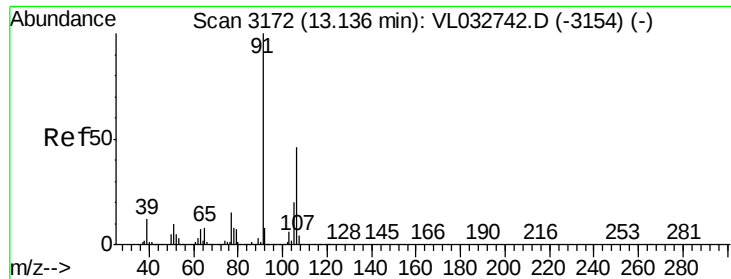
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#58
Ethyl Benzene
Concen: 10.332 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.6	35.4





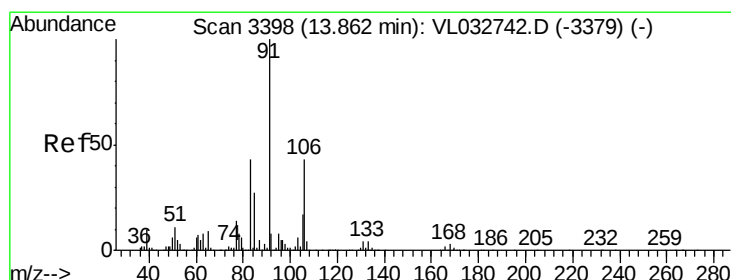
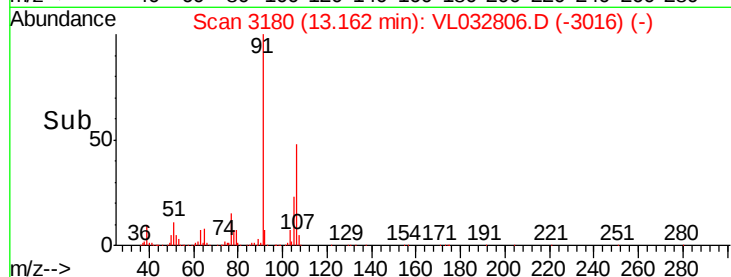
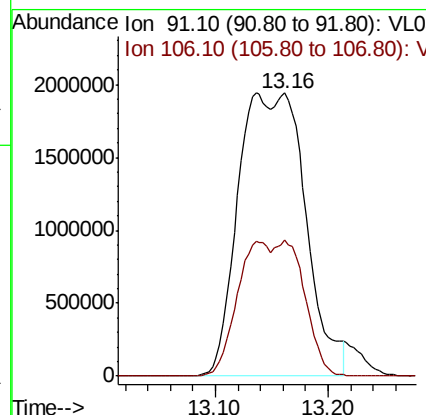
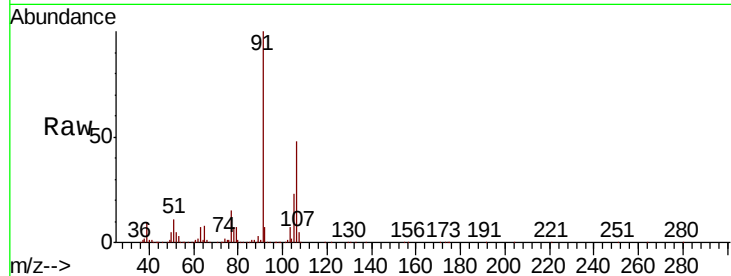
#59
m/p-Xylene
Concen: 19.681 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.03 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7998652
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

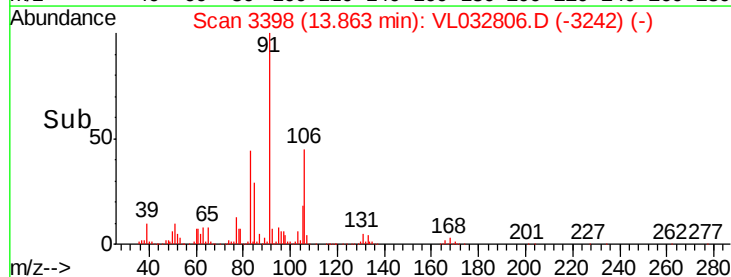
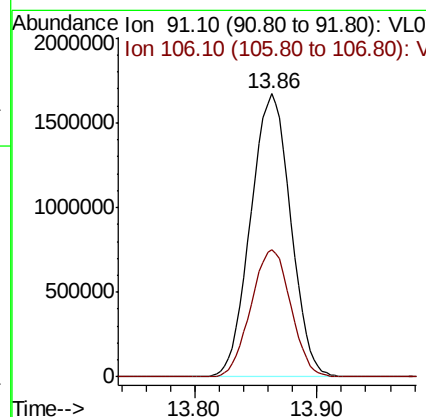
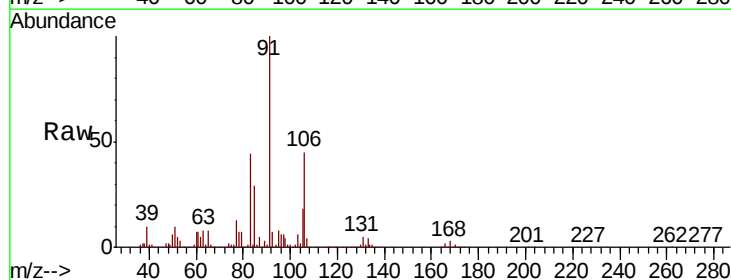
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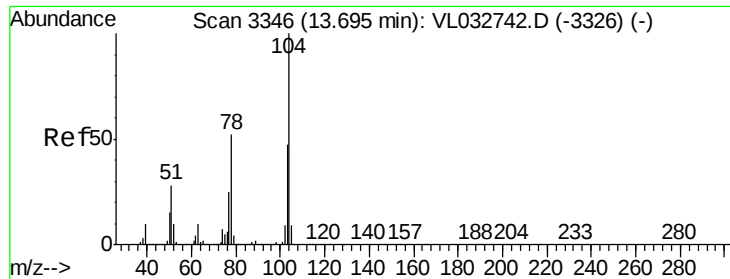
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#60
o-Xylene
Concen: 9.288 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion: 91 Resp: 3795426
Ion Ratio Lower Upper
91 100
106 44.7 21.9 65.7





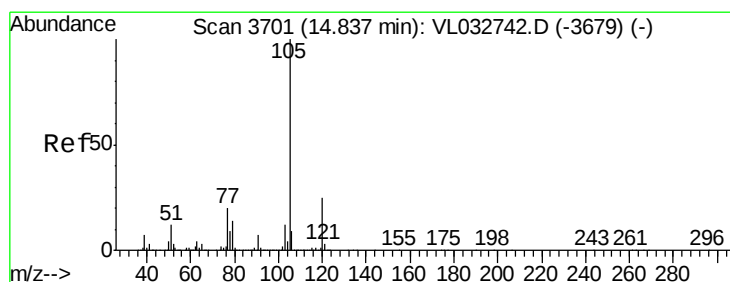
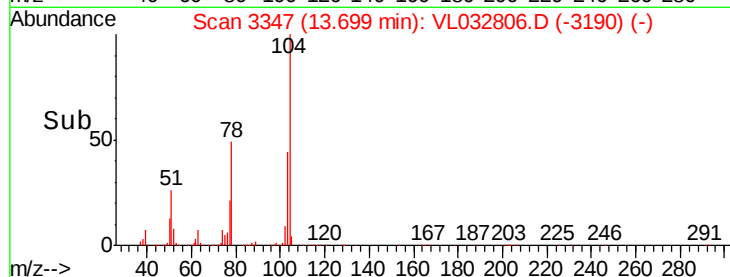
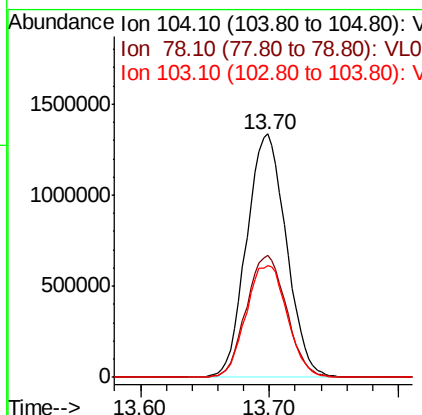
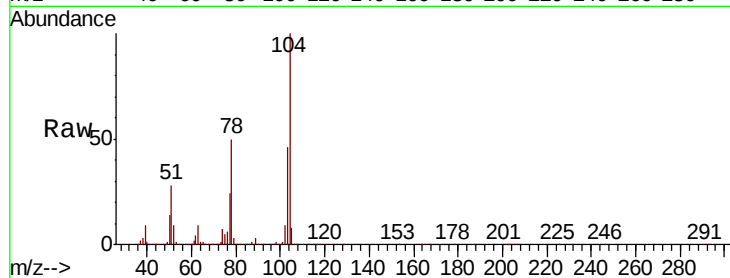
#61
Stvrene
Concen: 10.777 ppbv
RT: 13.70 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	42.2	63.4
103	47.9	38.2	57.2

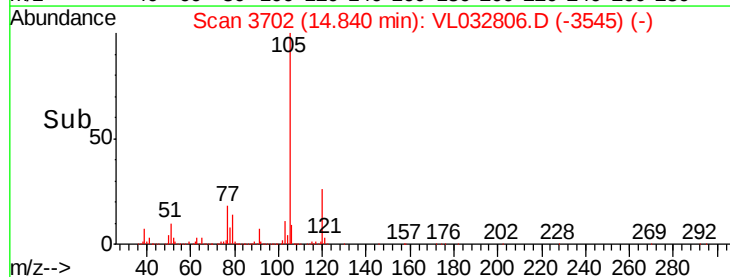
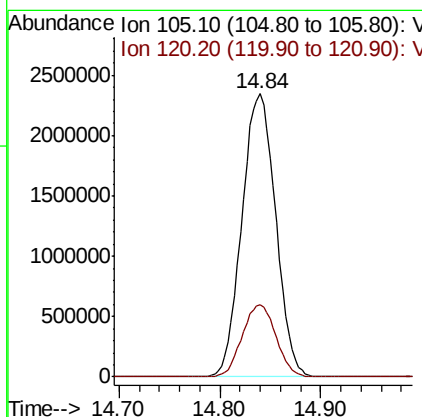
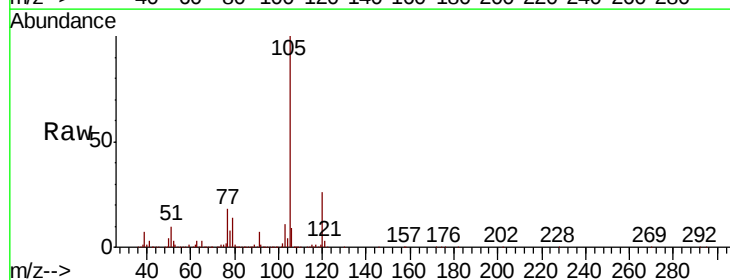
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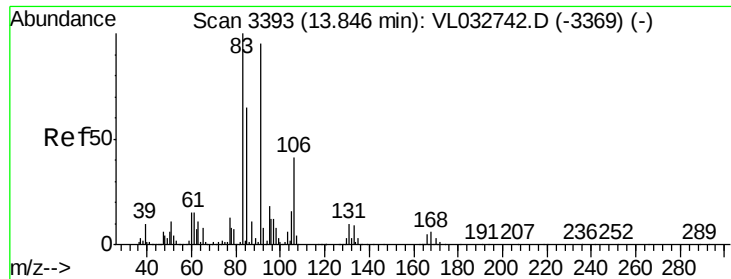
MMDadoda
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#62
Isopropylbenzene
Concen: 9.829 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.776 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2477269

Ion Ratio Lower Upper

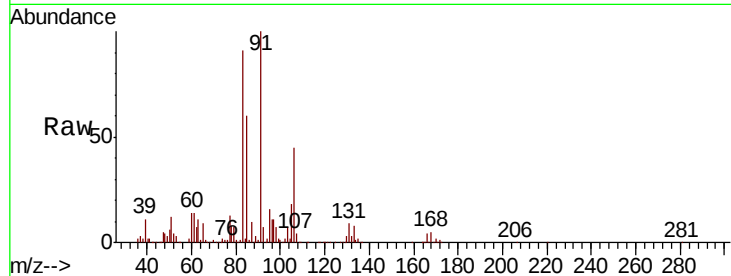
83 100

131 9.7 4.7 14.1

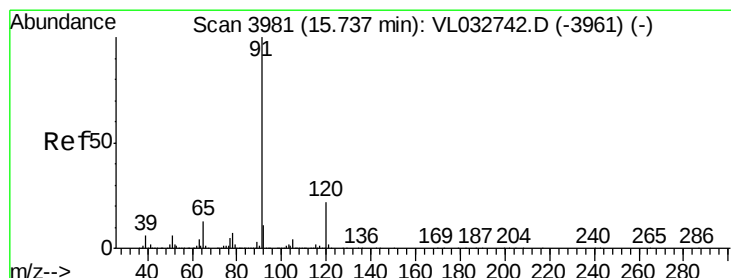
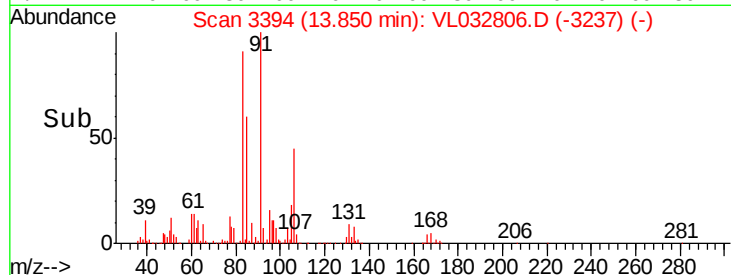
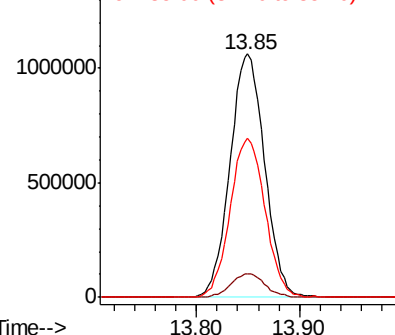
85 65.8 32.5 97.4

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.652 ppbv

RT: 15.74 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL032806.D

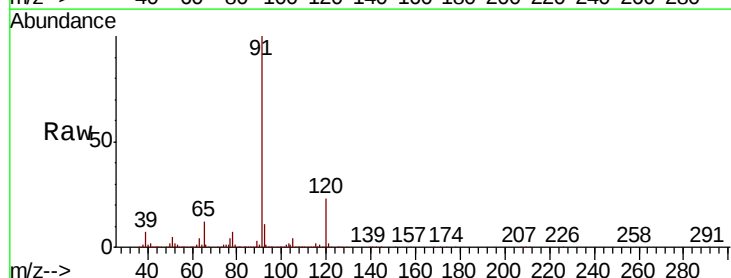
Acq: 21 Nov 2018 9:10

Tgt Ion:120 Resp: 1402347

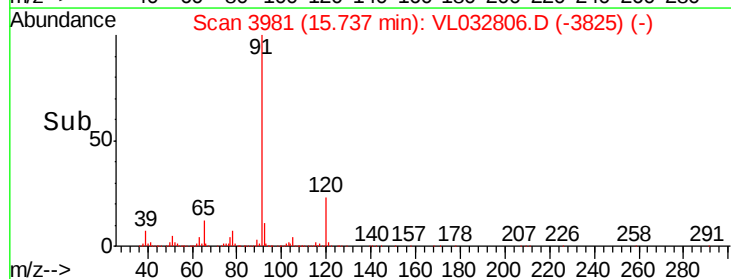
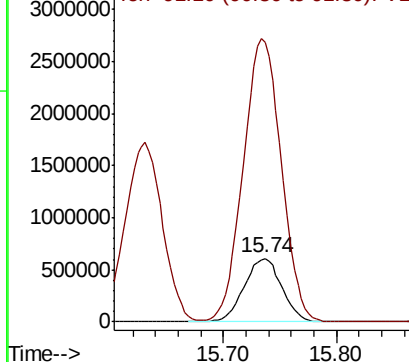
Ion Ratio Lower Upper

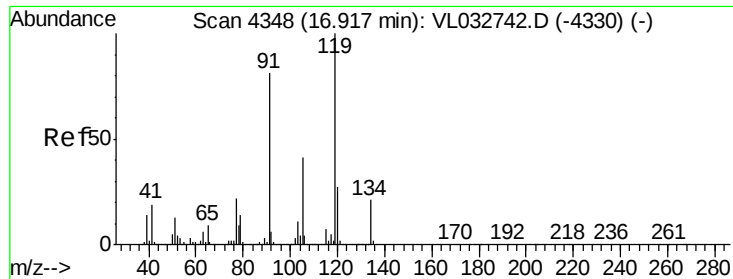
120 100

91 454.0 381.7 572.5



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





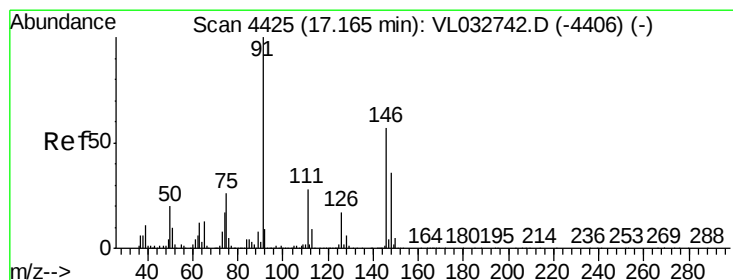
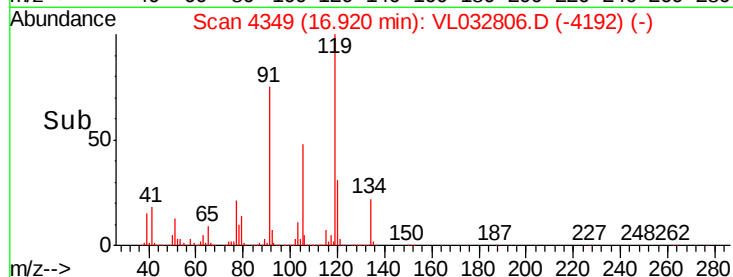
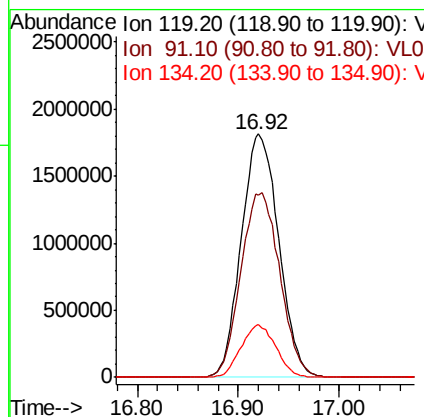
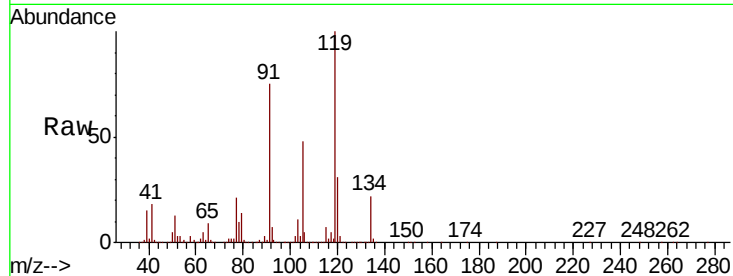
#65
tert-Butylbenzene
Concen: 9.442 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.0	65.6	98.4
134	20.1	15.9	23.9

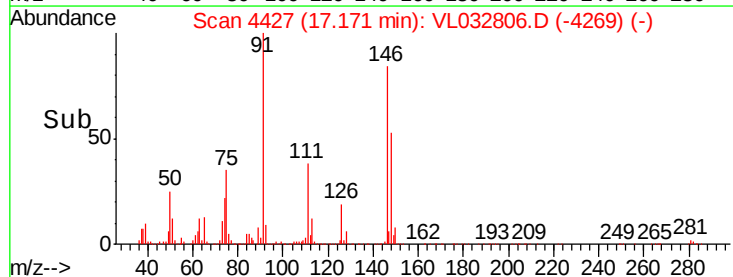
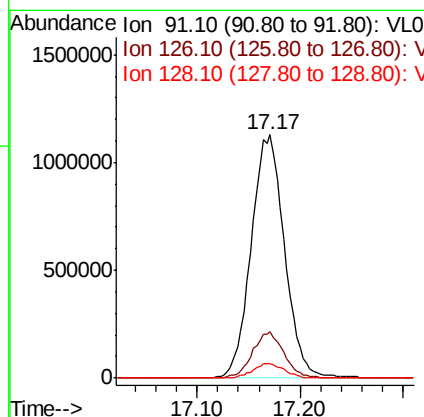
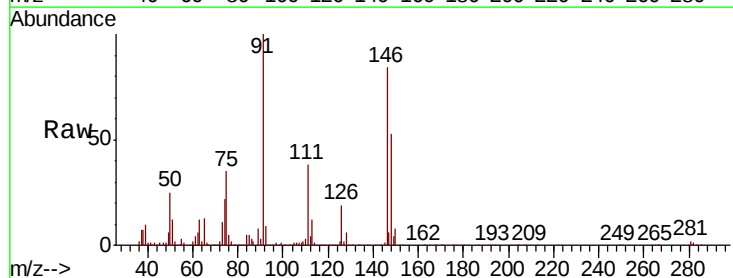
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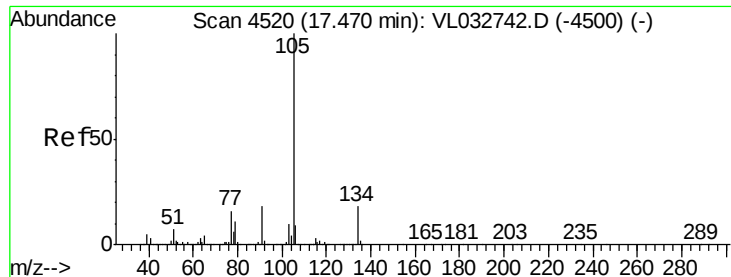
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#66
Benzyl Chloride
Concen: 9.236 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.2	21.2
128	5.7	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.200 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6564848

Ion Ratio Lower Upper

105 100

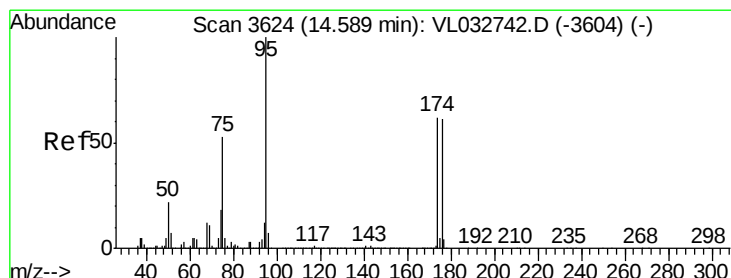
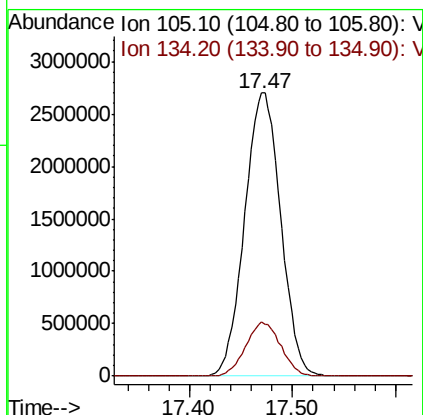
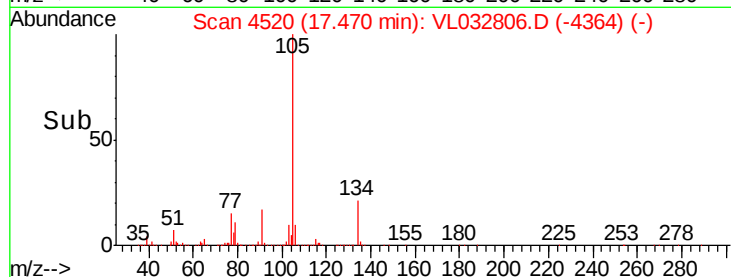
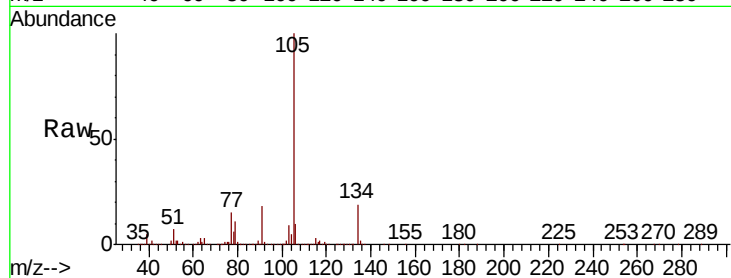
134 18.5 14.6 21.8

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11/26/2018 9:19:11 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.464 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

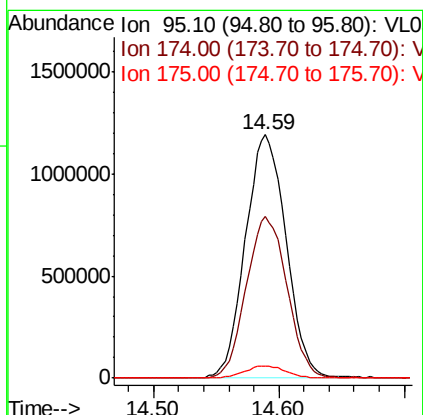
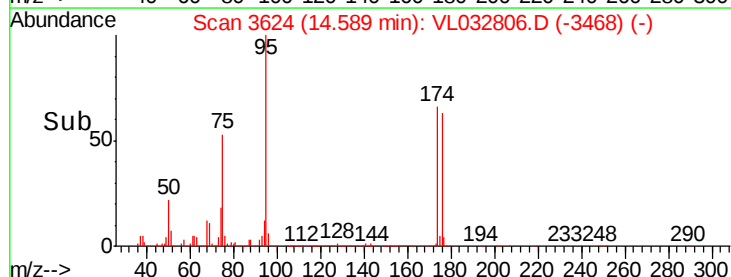
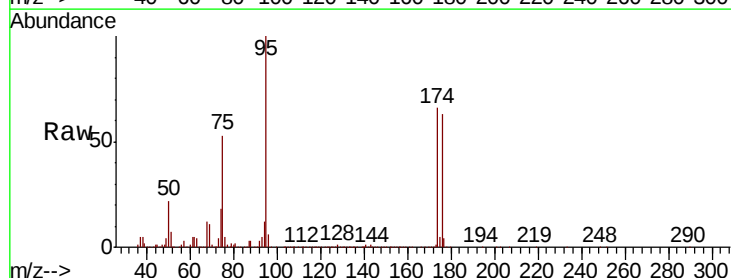
Tgt Ion: 95 Resp: 2685214

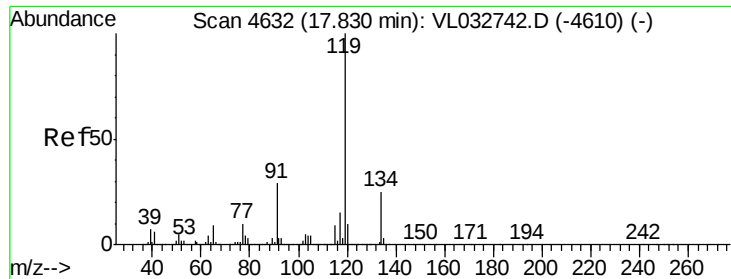
Ion Ratio Lower Upper

95 100

174 67.0 50.7 76.1

175 5.1 3.8 5.6





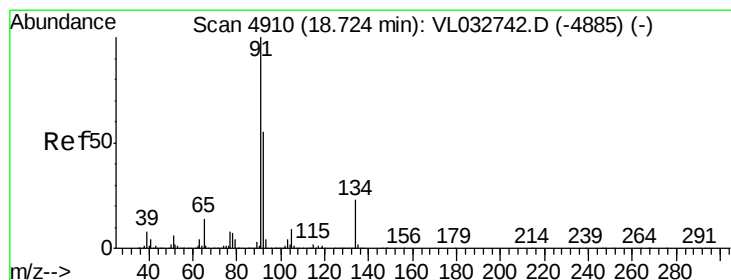
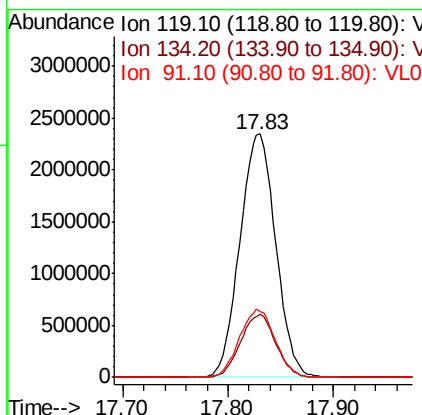
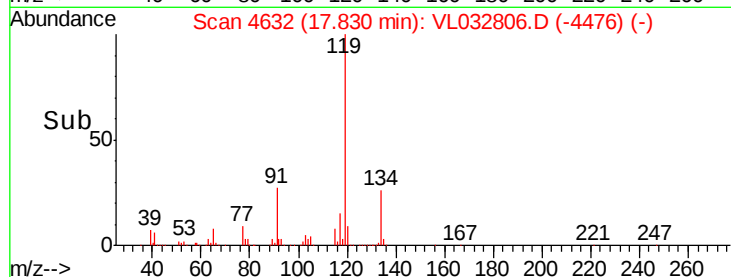
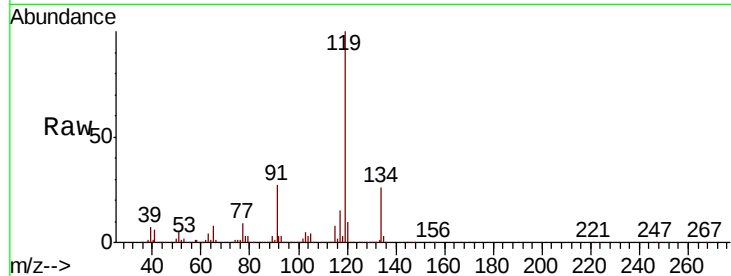
#69
 p-Isopropyltoluene
 Concen: 9.774 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	27.9	23.5	35.3

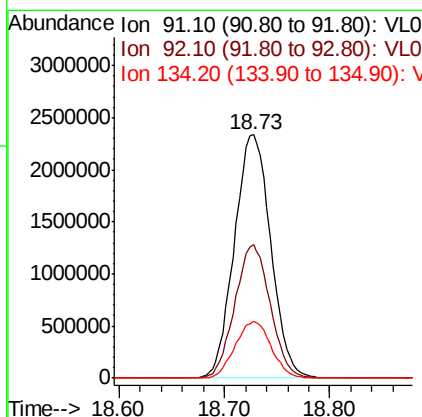
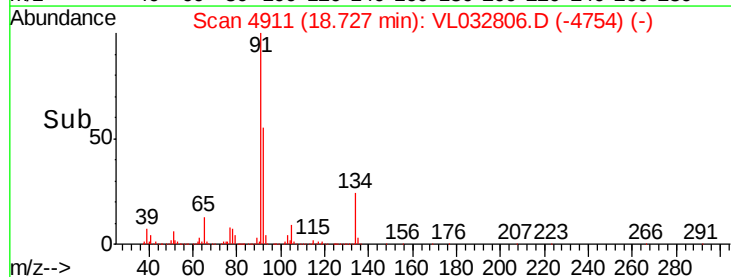
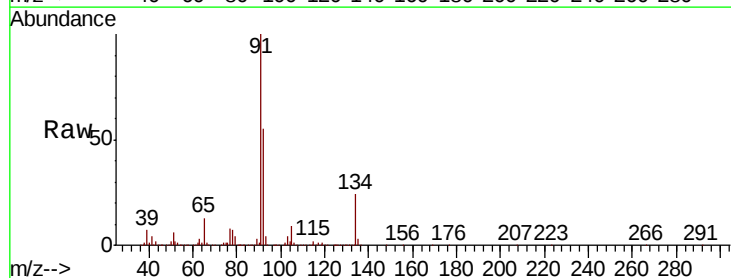
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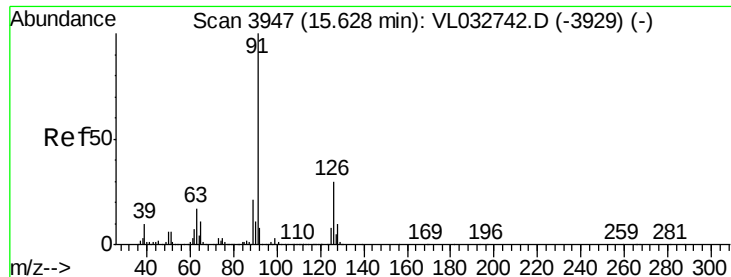
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#70
 n-Butylbenzene
 Concen: 9.690 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.9	64.3
134	23.2	17.8	26.8





#71

2-Chlorotoluene

Concen: 9.521 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3922115

Ion Ratio Lower Upper

91 100

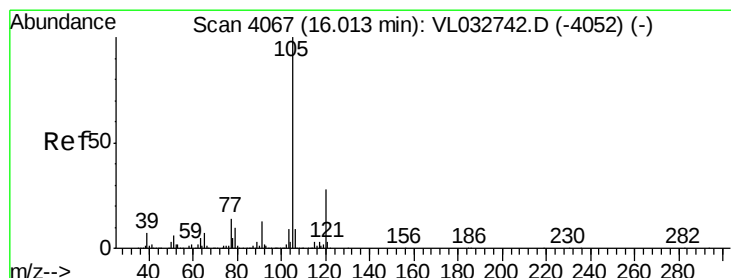
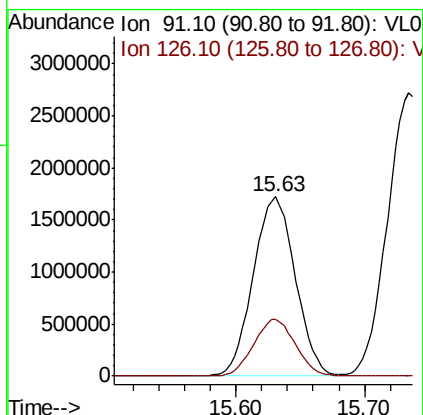
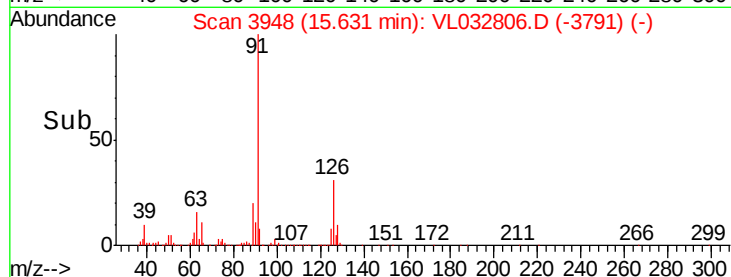
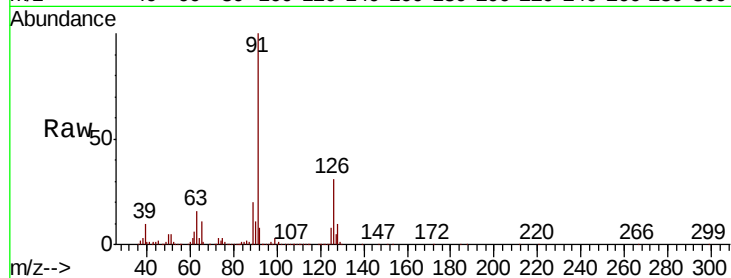
126 31.4 12.1 48.5

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11/26/2018 9:19:11 AM



#72

4-Ethyltoluene

Concen: 9.747 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Tgt Ion: 105 Resp: 4365839

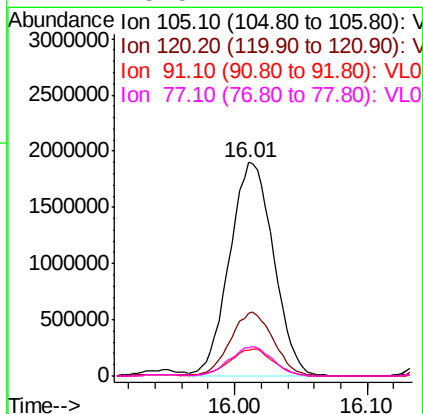
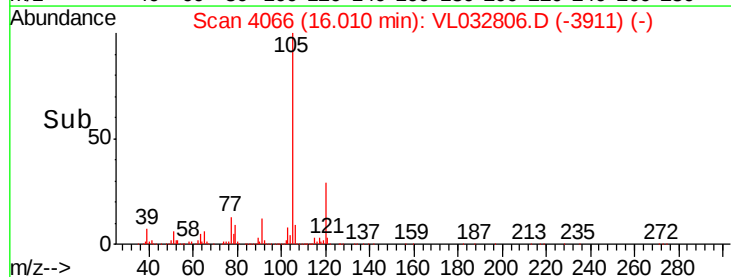
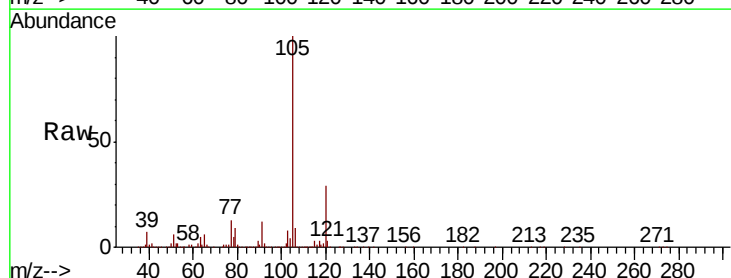
Ion Ratio Lower Upper

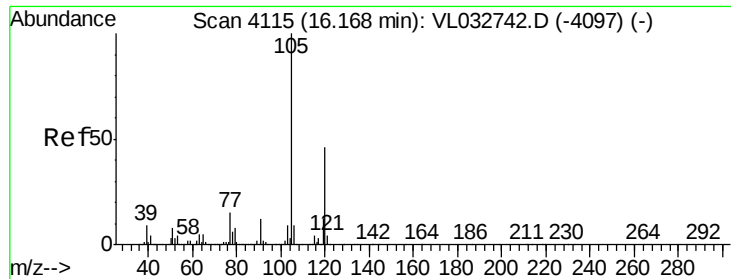
105 100

120 29.4 22.9 34.3

91 13.1 10.6 15.8

77 13.5 11.4 17.2





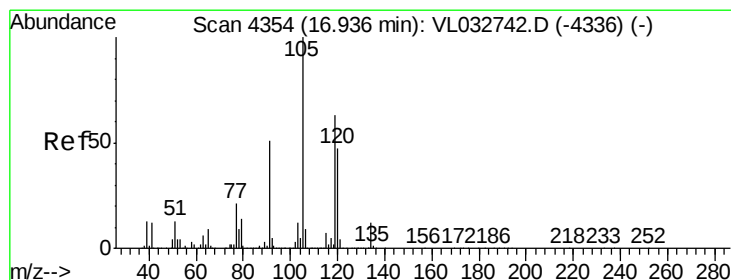
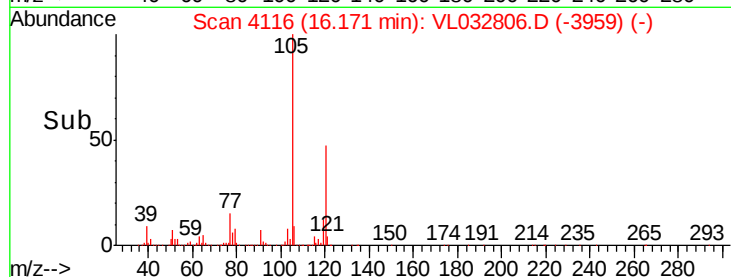
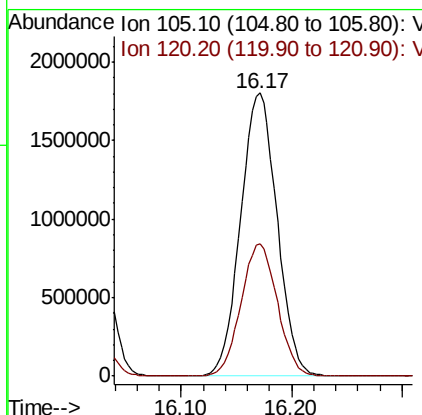
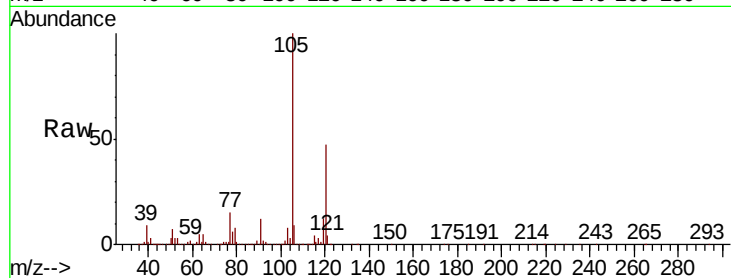
#73
 1,3,5-Trimethylbenzene
 Concen: 9.414 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4122776
 Ion Ratio Lower Upper
 105 100
 120 46.8 36.6 55.0

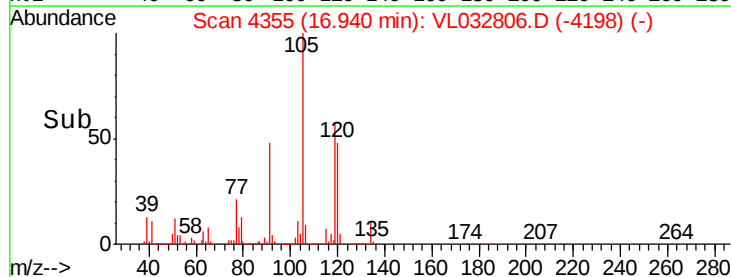
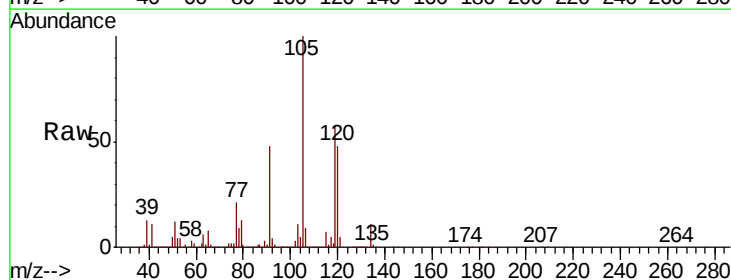
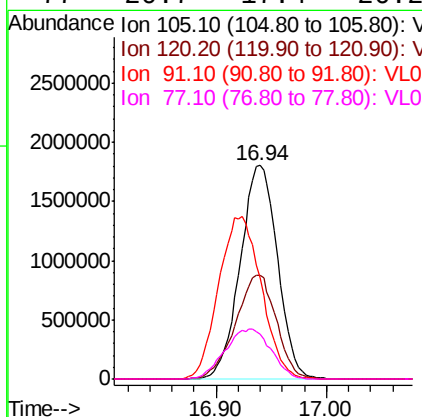
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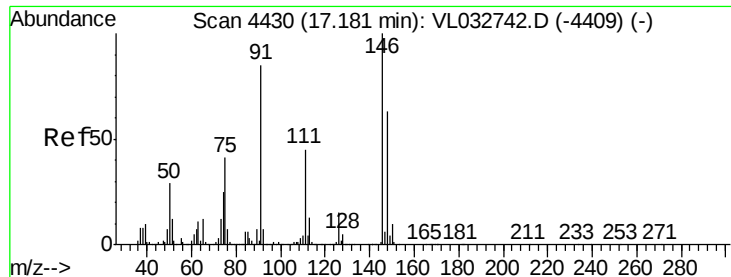
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.012 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion:105 Resp: 4223288
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.6 56.4
 91 47.6 42.5 63.7
 77 20.7 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.056 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2434491

Ion Ratio Lower Upper

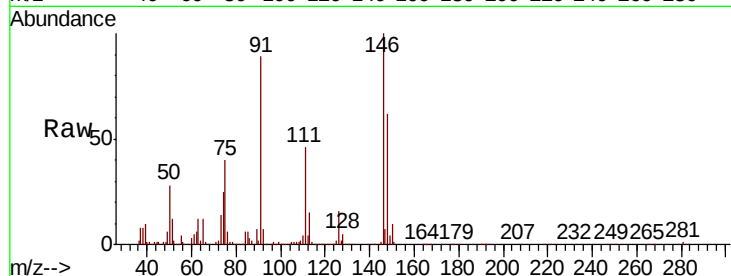
146 100

111 46.1 23.5 70.6

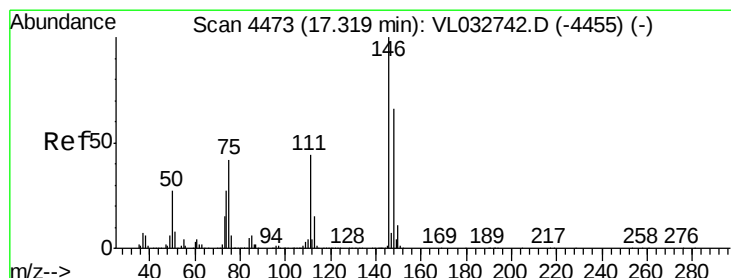
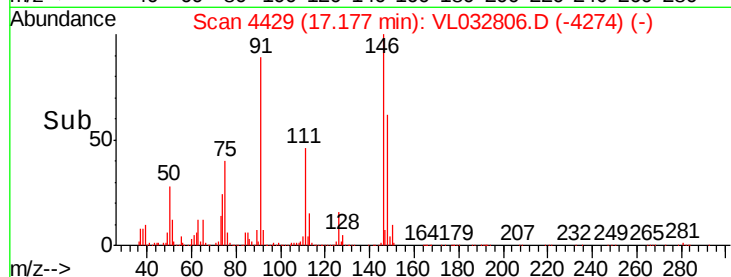
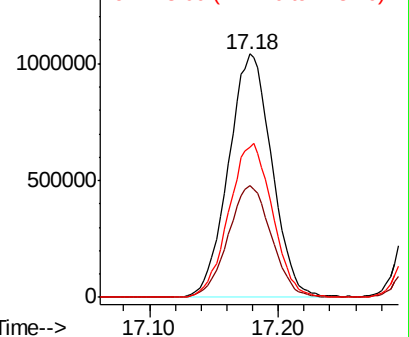
148 63.7 31.8 95.3

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



#76

1,4-Dichlorobenzene

Concen: 9.558 ppbv

RT: 17.32 min Scan# 4474

Delta R.T. 0.00 min

Lab File: VL032806.D

Acq: 21 Nov 2018 9:10

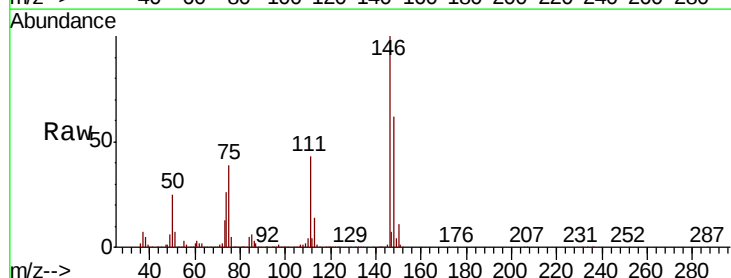
Tgt Ion:146 Resp: 2400035

Ion Ratio Lower Upper

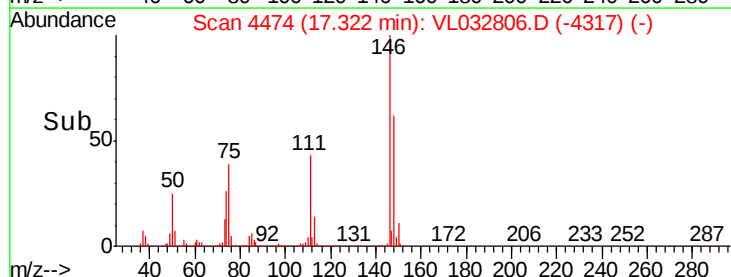
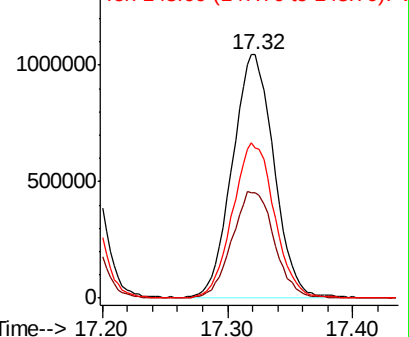
146 100

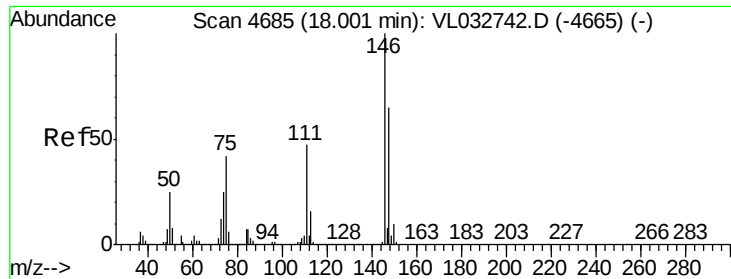
111 44.7 22.5 67.5

148 64.5 32.5 97.5



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





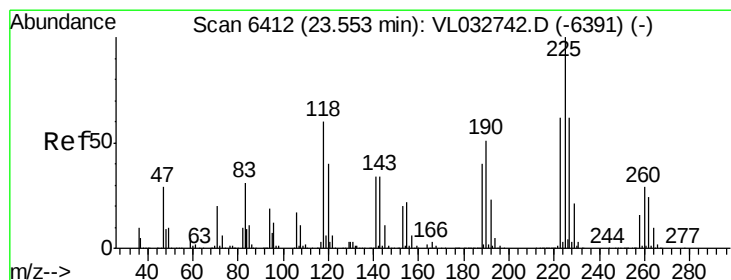
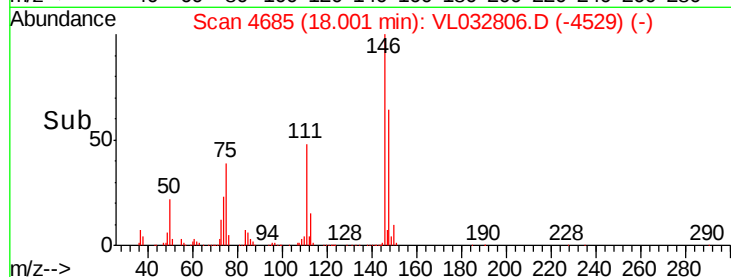
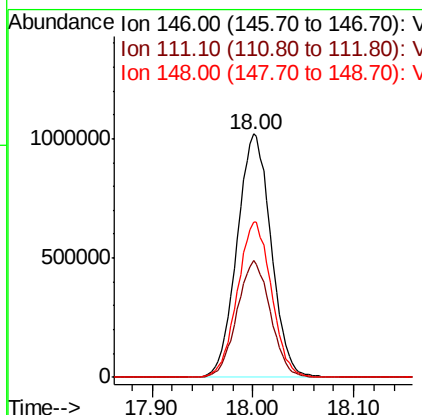
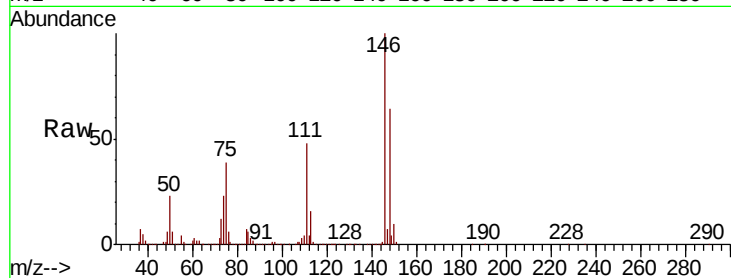
#77
 1,2-Dichlorobenzene
 Concen: 9.574 ppbv
 RT: 18.00 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2380928
 Ion Ratio Lower Upper
 146 100
 111 47.3 24.4 73.2
 148 64.1 32.2 96.6

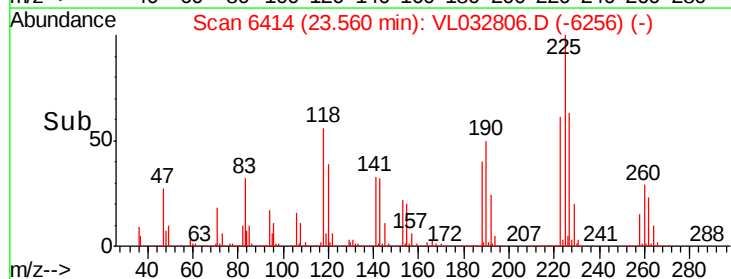
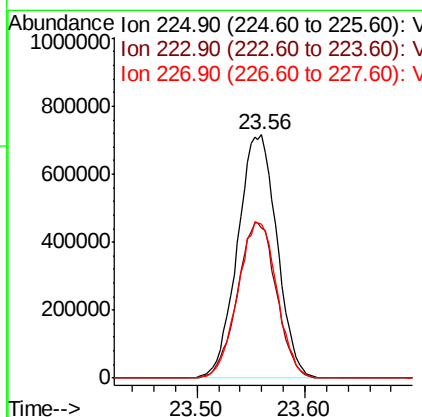
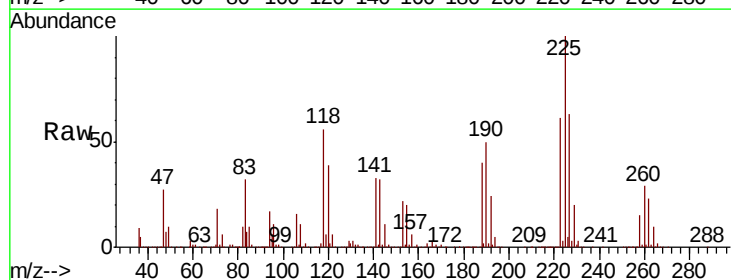
Manual Integrations
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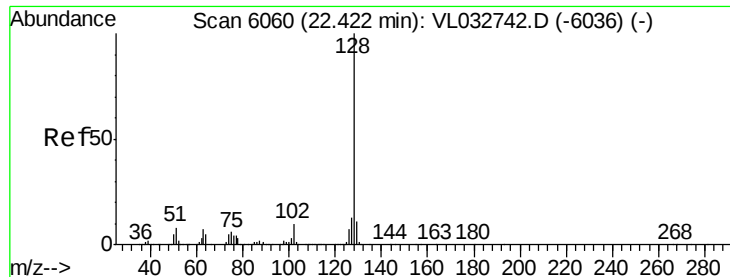
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 13.530 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Tgt Ion:225 Resp: 1815916
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.3 75.5
 227 63.8 50.2 75.4





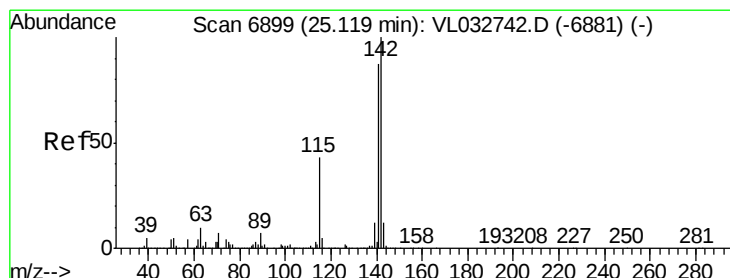
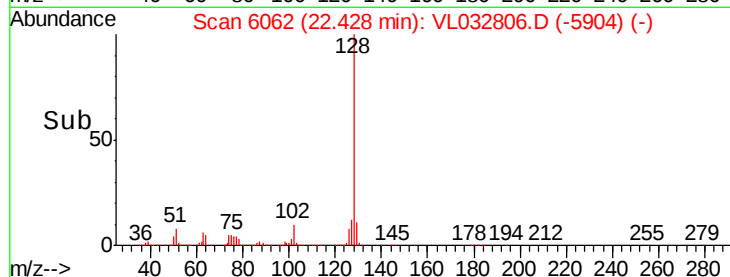
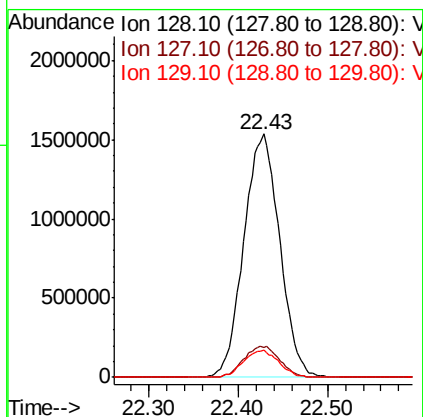
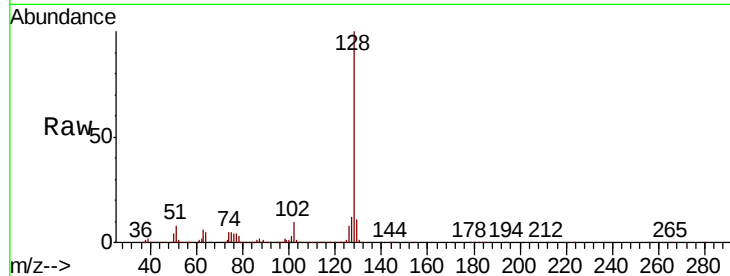
#79
Naphthalene
Concen: 13.968 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.0	8.9	13.3

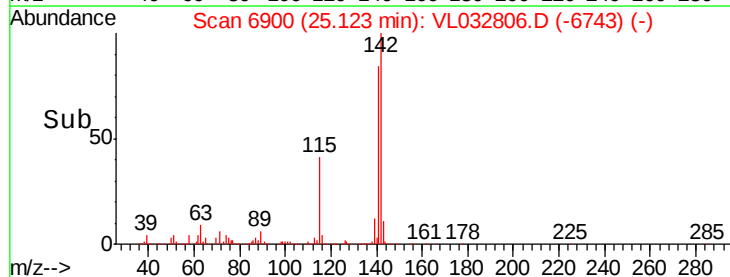
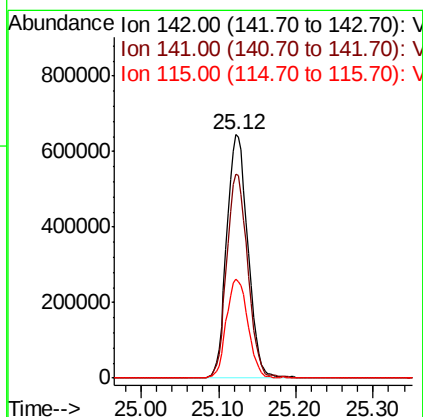
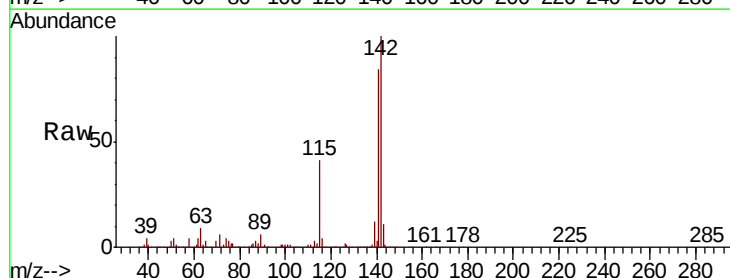
Manual Integrations
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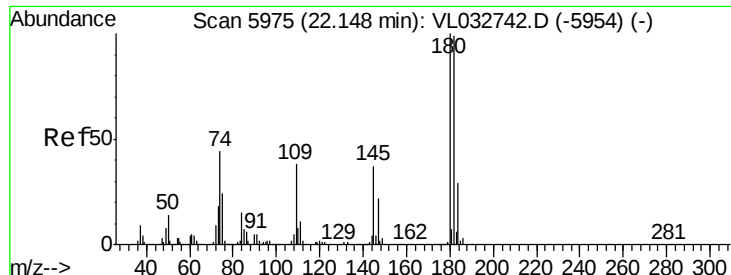
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#80
Naphthalene, 2-methyl-
Concen: 15.779 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032806.D
Acq: 21 Nov 2018 9:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.7	103.1
115	41.7	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 13.439 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032806.D
 Acq: 21 Nov 2018 9:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.3	115.9
184	30.4	24.2	36.4

Manual Integrations
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