

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033306.D
 Acq On : 13 Mar 2019 23:21
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 3/15/2019 10:41:54 PM

Quant Time: Mar 13 23:56:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 2019
 QLast Update : Wed Mar 13 23:18:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	757105	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1824315	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2263575m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1642103	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1519741	11.903	ppbv	98
3) Chlorodifluoromethane	3.01	51	930743	9.489	ppbv	100
4) Chloromethane	3.17	50	505552	9.580	ppbv	100
5) Vinyl Chloride	3.29	62	486606	9.144	ppbv	97
6) Bromomethane	3.52	94	313402	9.871	ppbv	100
7) Chloroethane	3.60	64	188394	9.975	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1192208	9.390	ppbv	98
9) Propene	3.04	41	428369	9.731	ppbv	100
10) Heptane	8.25	43	1072965	9.959	ppbv	99
11) Trichlorofluoromethane	4.00	101	1335104	9.592	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	875959	9.312	ppbv	100
13) Ethanol	3.65	45	92222	6.785	ppbv	100
14) Bromoethene	3.79	108	382637	9.787	ppbv	99
15) Acetone	3.90	43	841035	8.110	ppbv	100
16) 1,3-Butadiene	3.36	39	423480	9.950	ppbv	95
17) tert-Butyl alcohol	4.36	59	172076	9.539	ppbv	100
18) 1,1-Dichloroethene	4.35	96	412226	10.033	ppbv	98
19) Isopropyl Alcohol	4.02	45	567725	8.839	ppbv	100
20) Methylene Chloride	4.41	84	344243	8.255	ppbv	97
21) Allyl Chloride	4.48	41	626016	10.105	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	417454	10.022	ppbv	98
23) Vinyl Acetate	5.16	43	1558019	10.495	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1094297	10.225	ppbv	99
25) Ethyl Acetate	5.77	43	1797890	9.582	ppbv	100
26) Hexane	5.78	57	796751	9.066	ppbv	98
27) Carbon Disulfide	4.62	76	1020123	10.928	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1337302	10.768	ppbv	99
29) Chloroform	5.85	83	1301996	9.539	ppbv	99
30) Cyclohexane	7.25	84	688411	10.155	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	873355	10.443	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1276600	9.583	ppbv	99
34) 2-Butanone	5.33	43	1237712	9.954	ppbv	99
35) Carbon Tetrachloride	7.14	117	1352081	9.676	ppbv	97
36) Benzene	7.01	78	1721639	9.682	ppbv	99
37) 1,2-Dichloroethane	6.42	62	988905	9.206	ppbv	99
38) Trichloroethene	7.97	130	636490	9.001	ppbv	96
39) 1,2-Dichloropropane	7.74	63	650278	9.529	ppbv	99
40) 1,4-Dioxane	7.96	88	235382	9.318	ppbv #	1
41) Tetrahydrofuran	6.15	42	683321	9.836	ppbv	99
42) Bromodichloromethane	7.92	83	1470519	9.856	ppbv	99
43) Methyl Methacrylate	8.14	69	704956	9.950	ppbv	100

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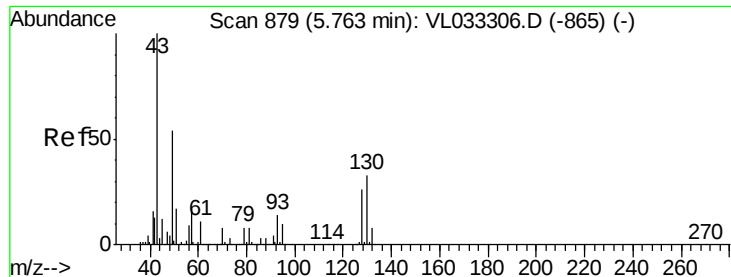
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2833943	9.277	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	944919	11.439	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1058620	10.586	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	712127	9.814	ppbv	97
48) Dibromochloromethane	10.45	129	1231490	10.280	ppbv	99
49) Bromoform	13.21	173	1224059	12.007	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1734558	9.557	ppbv	98
51) 2-Hexanone	10.27	43	1374105	9.929	ppbv #	100
52) Tetrachloroethene	11.37	164	702805	9.610	ppbv	95
53) Toluene	9.95	91	2041622	10.063	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1115381	9.373	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	978544	9.579	ppbv	99
57) Chlorobenzene	12.31	112	1667367	9.065	ppbv	97
58) Ethyl Benzene	12.87	91	3167272	9.685	ppbv	99
59) m/p-Xylene	13.15	91	5265103m	19.175	ppbv	
60) o-Xylene	13.85	91	2527674	9.556	ppbv	100
61) Styrene	13.69	104	1925056	10.397	ppbv	99
62) Isopropylbenzene	14.83	105	3559596	9.580	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1722719	9.099	ppbv	100
64) n-propylbenzene	15.73	120	910225	9.920	ppbv	97
65) tert-Butylbenzene	16.91	119	3117713	9.968	ppbv	99
66) Benzyl Chloride	17.16	91	1594125	13.066	ppbv	99
67) sec-Butylbenzene	17.46	105	4419215	9.792	ppbv	99
69) p-Isopropyltoluene	17.82	119	3644784	10.082	ppbv	99
70) n-Butylbenzene	18.72	91	3840084	10.074	ppbv	100
71) 2-Chlorotoluene	15.62	91	2764204	9.978	ppbv	100
72) 4-Ethyltoluene	16.00	105	2919895	10.333	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2818846	10.652	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2840684	10.465	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1623290	9.557	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1627365	9.752	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1579354	9.471	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1233612	10.204	ppbv	99
79) Naphthalene	22.42	128	2933936	11.737	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1366320	19.529	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1473348	10.752	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

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MSVOA_L

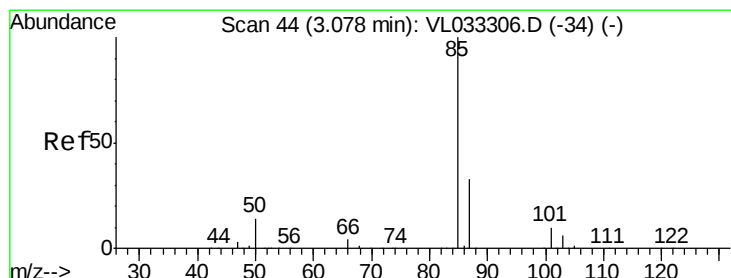
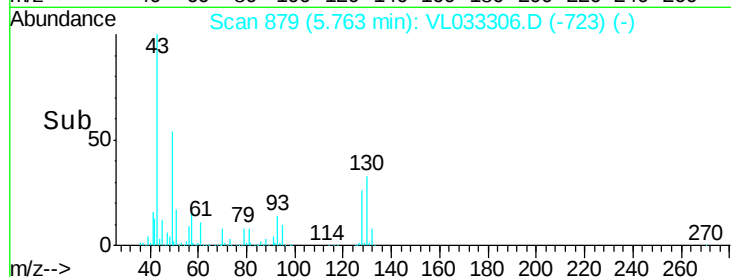
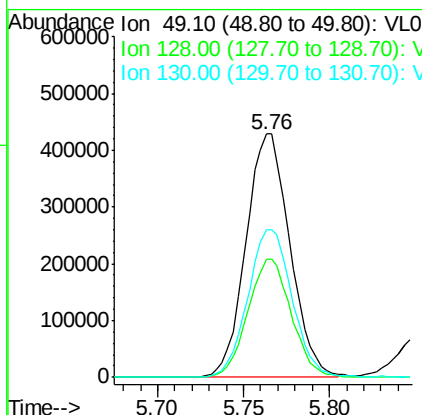
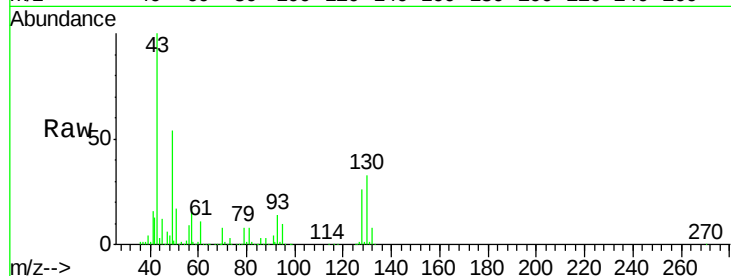
ClientSampleId :

VSTDICCC010

Tgt Ion:	49	Resp:	757105
Ion Ratio	Lower	Upper	
49	100		
128	48.3	23.4	70.3
130	61.4	29.9	89.7

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#2

Dichlorodifluoromethane

Concen: 11.903 ppbv

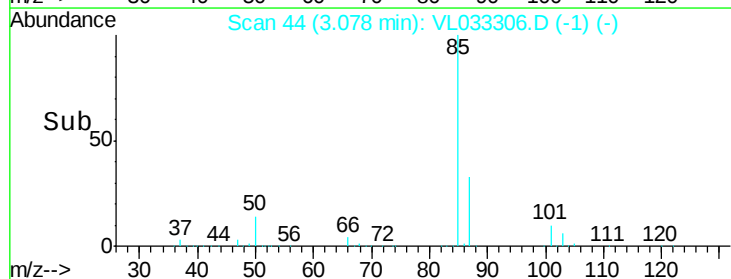
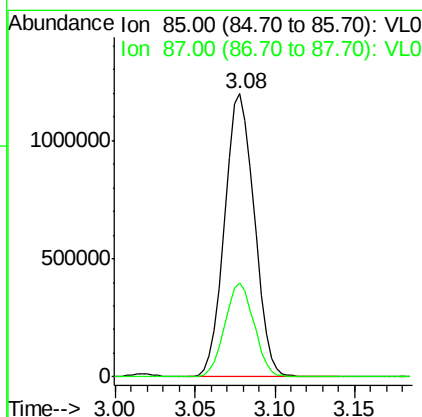
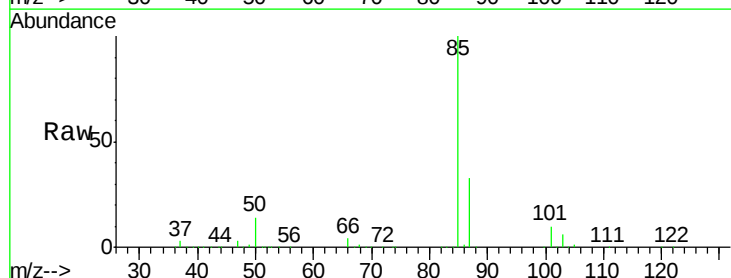
RT: 3.08 min Scan# 44

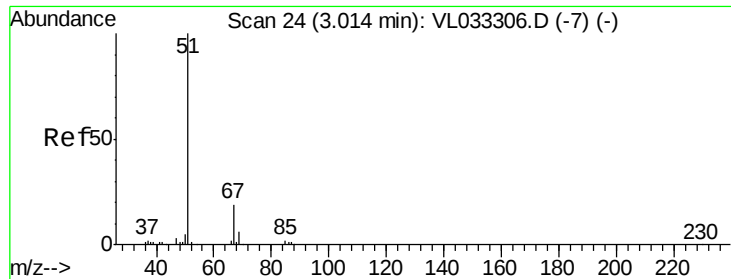
Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Tgt Ion:	85	Resp:	1519741
Ion Ratio	Lower	Upper	
85	100		
87	33.3	25.8	38.8





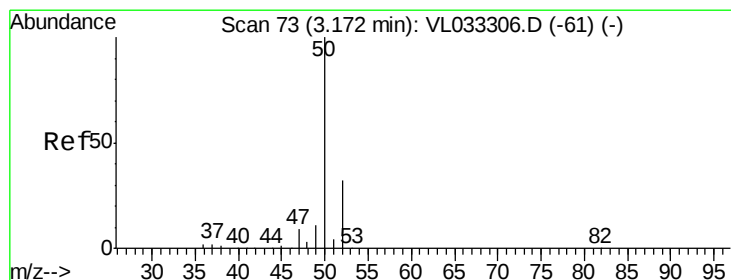
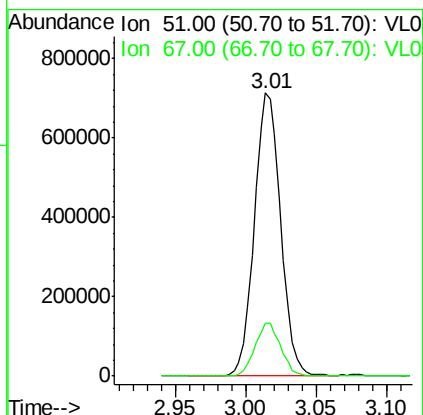
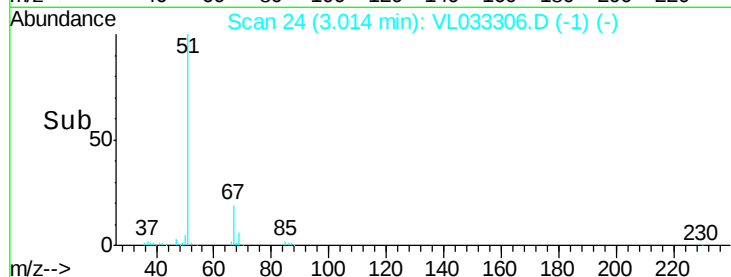
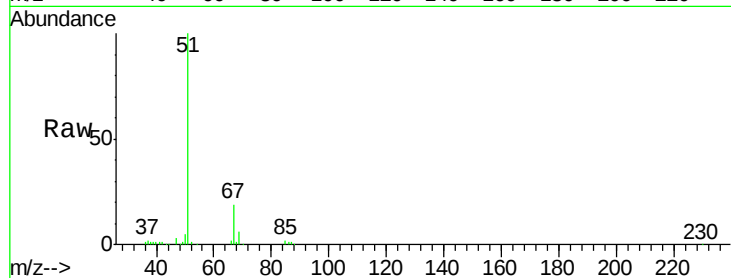
#3
Chlorodifluoromethane
Concen: 9.489 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 930743
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3

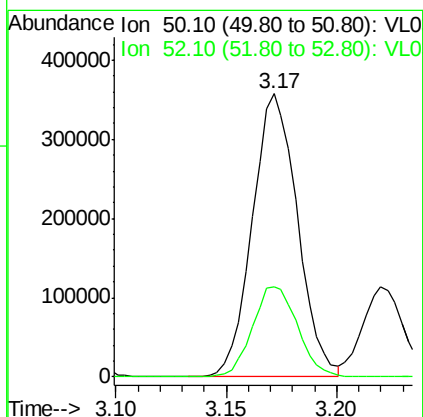
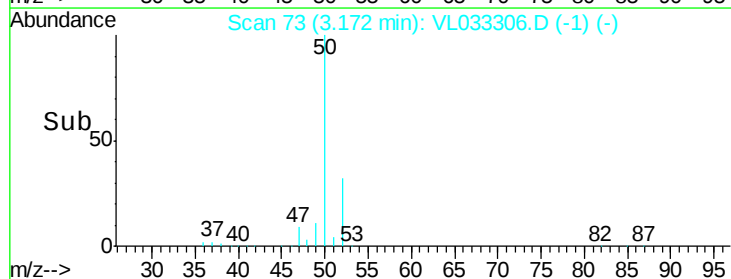
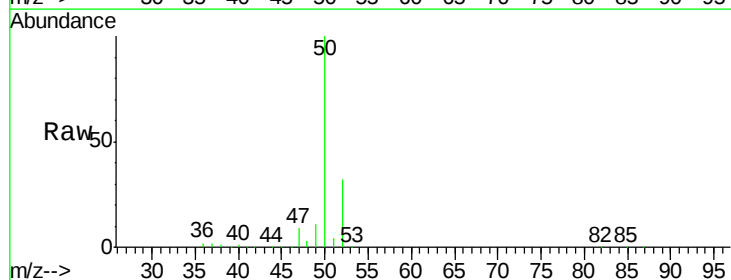
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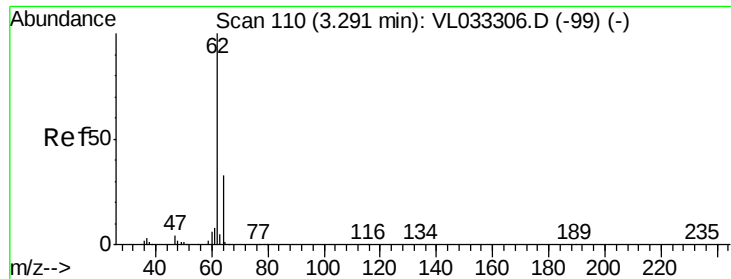
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#4
Chloromethane
Concen: 9.580 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 50 Resp: 505552
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5





#5

Vinyl Chloride

Concen: 9.144 ppbv

RT: 3.29 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 486606

Ion Ratio Lower Upper

62 100

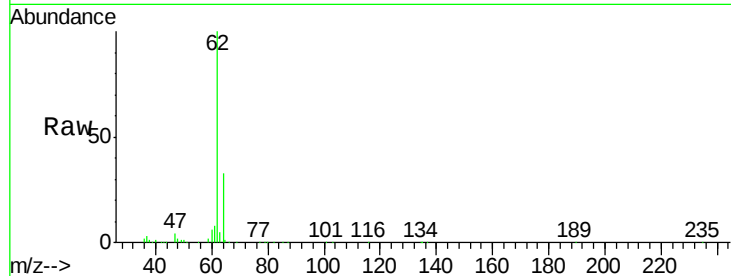
64 33.4 25.5 38.3

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

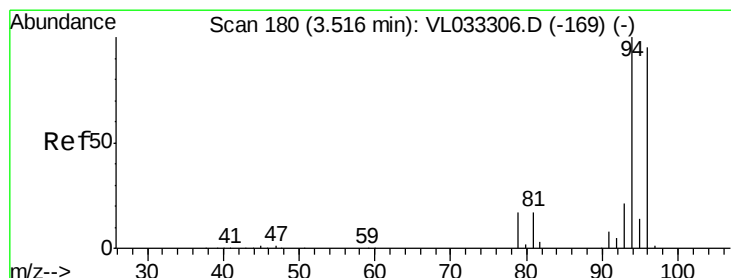
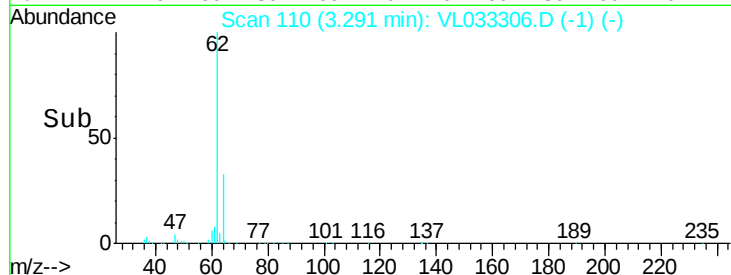
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.871 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033306.D

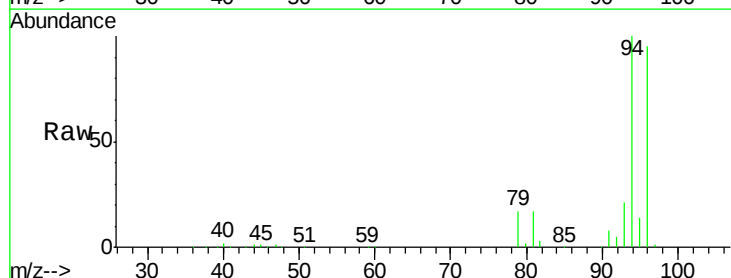
Acq: 13 Mar 2019 23:21

Tgt Ion: 94 Resp: 313402

Ion Ratio Lower Upper

94 100

96 95.4 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

250000

200000

150000

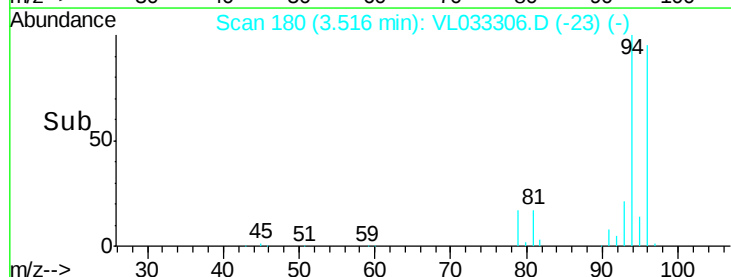
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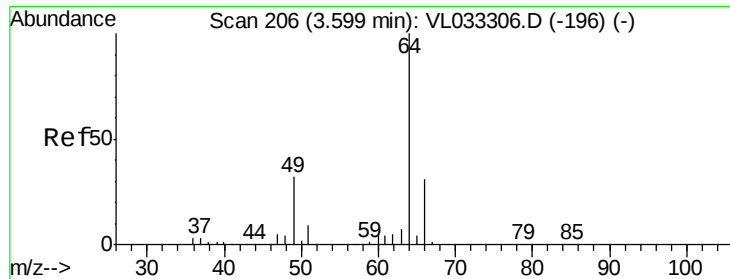
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0

3.45 3.50 3.55

Time-->





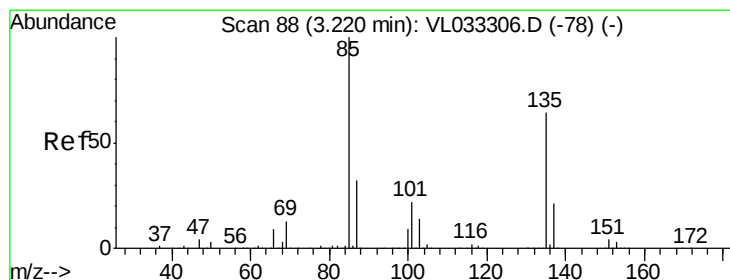
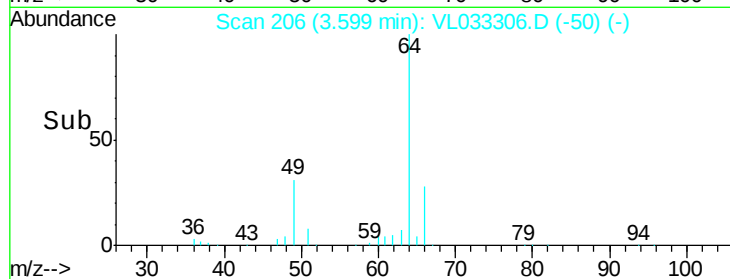
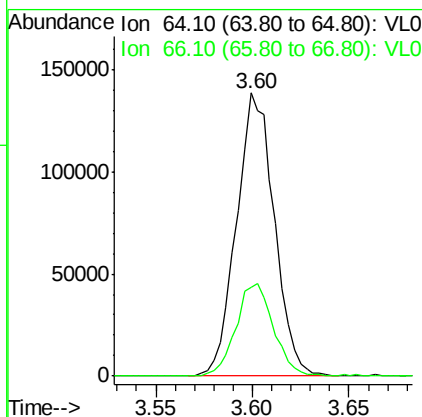
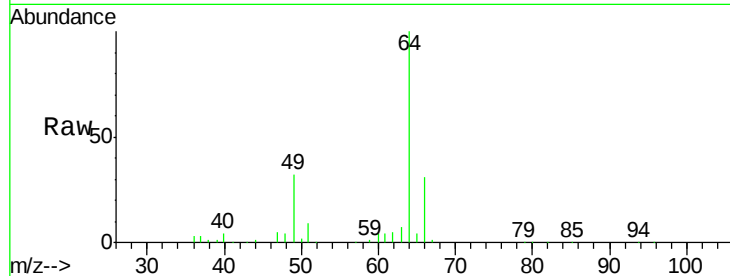
#7
Chloroethane
Concen: 9.975 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 188394
Ion Ratio Lower Upper
64 100
66 31.3 24.9 37.3

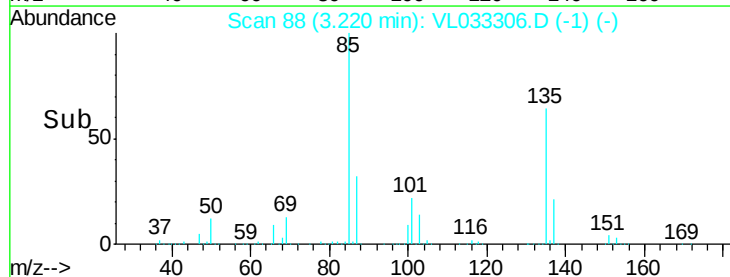
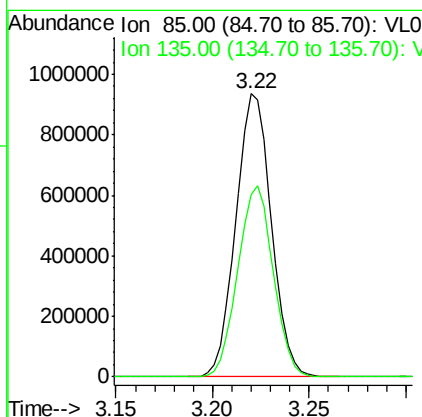
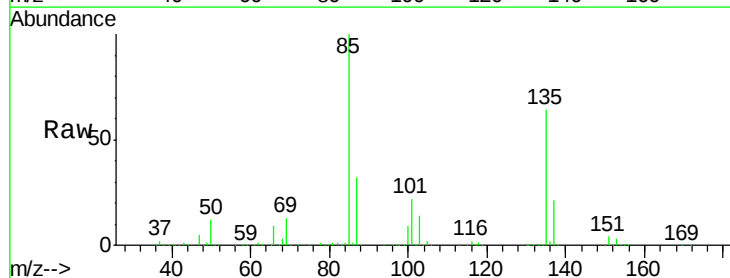
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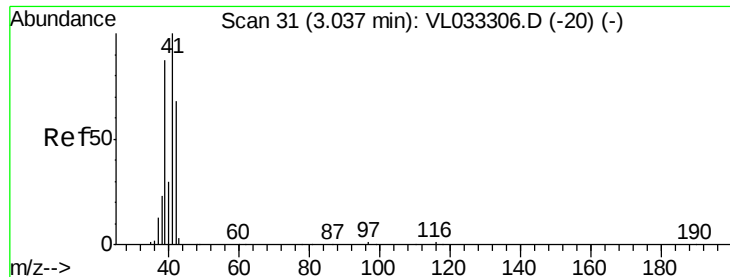
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#8
Dichlorotetrafluoroethane
Concen: 9.390 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 85 Resp: 1192208
Ion Ratio Lower Upper
85 100
135 67.7 52.9 79.3





#9

Propene

Concen: 9.731 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 428369

Ion Ratio Lower Upper

41 100

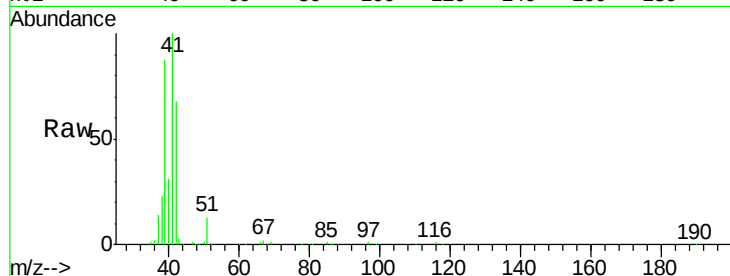
42 67.9 54.4 81.6

Manual Integrations

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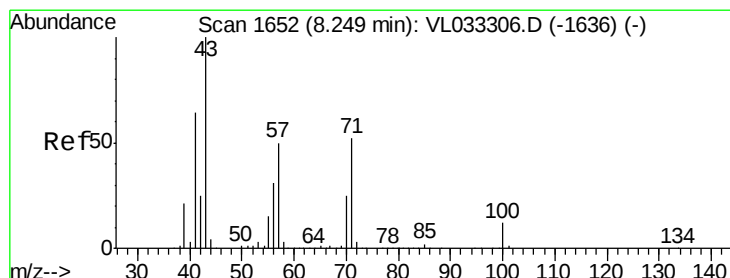
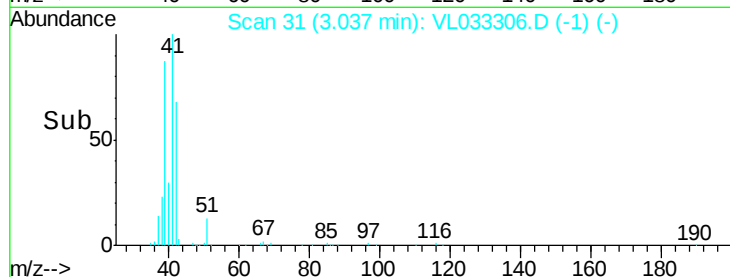
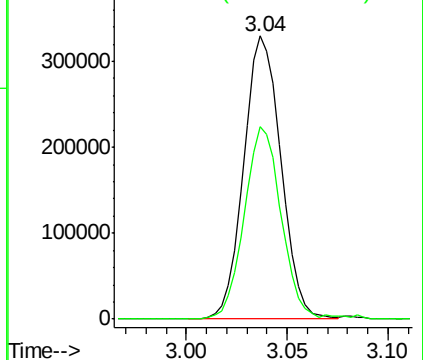
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.959 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033306.D

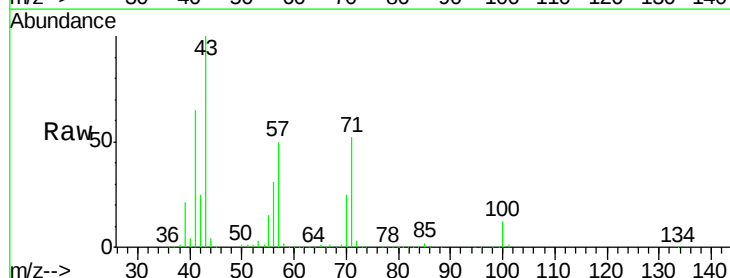
Acq: 13 Mar 2019 23:21

Tgt Ion: 43 Resp: 1072965

Ion Ratio Lower Upper

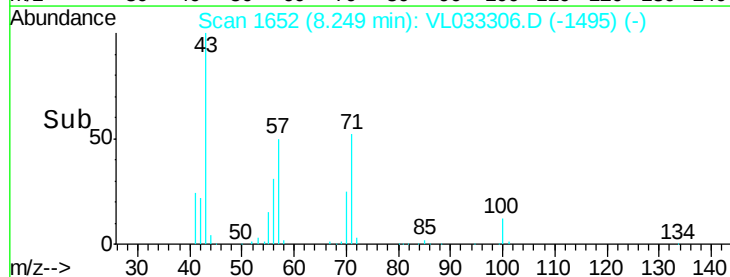
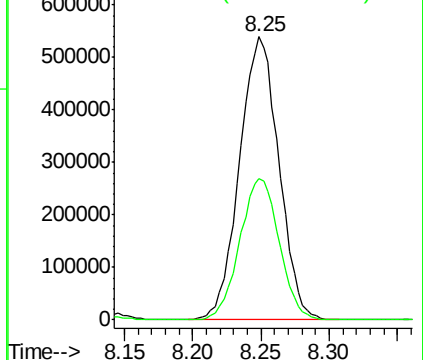
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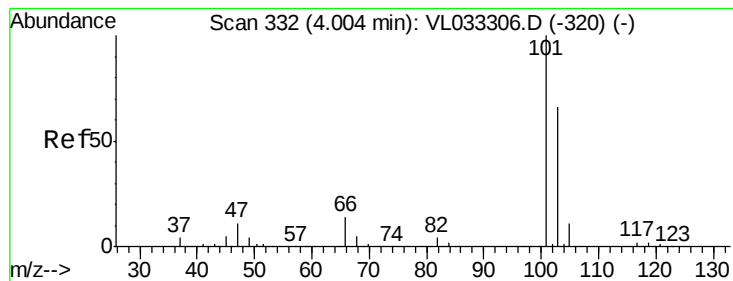
57 50.5 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.592 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

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ClientSampleId :

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Tgt Ion:101 Resp: 1335104

Ion Ratio Lower Upper

101 100

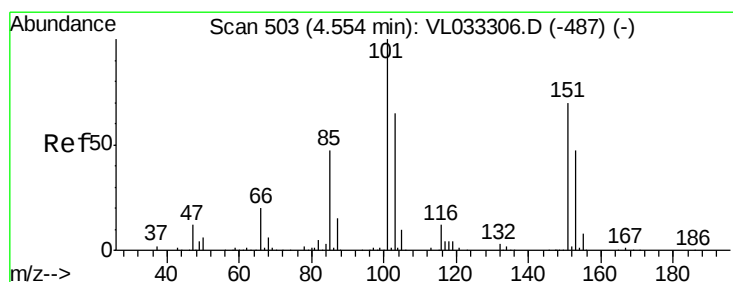
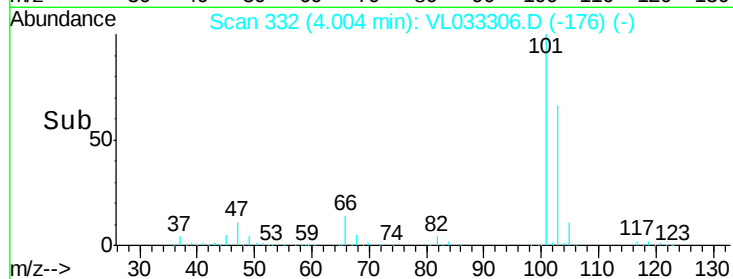
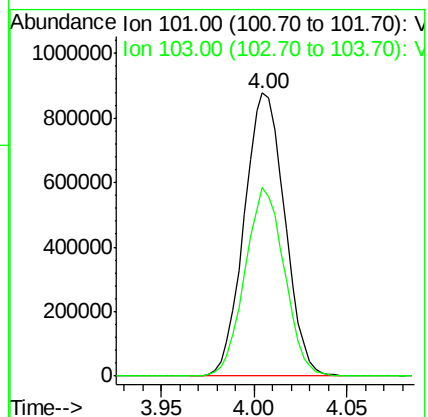
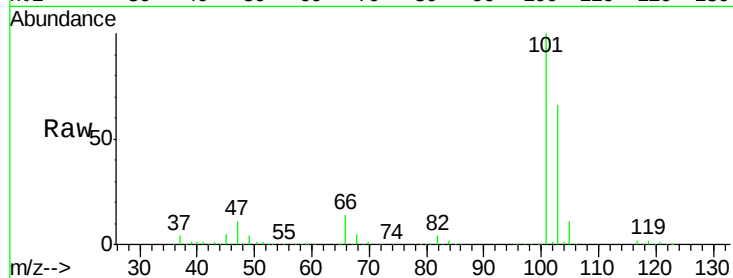
103 66.4 52.5 78.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.312 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033306.D

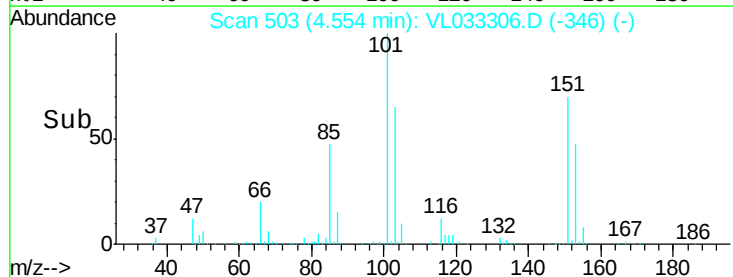
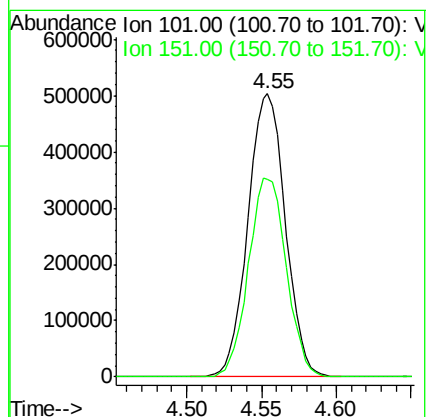
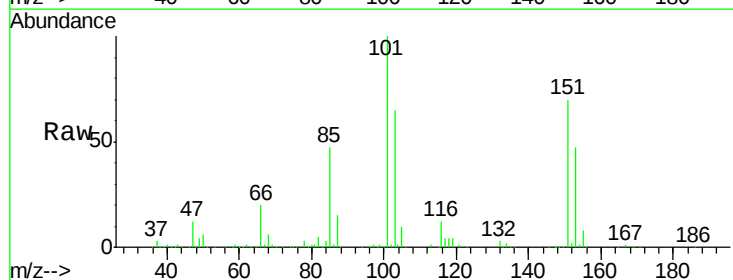
Acq: 13 Mar 2019 23:21

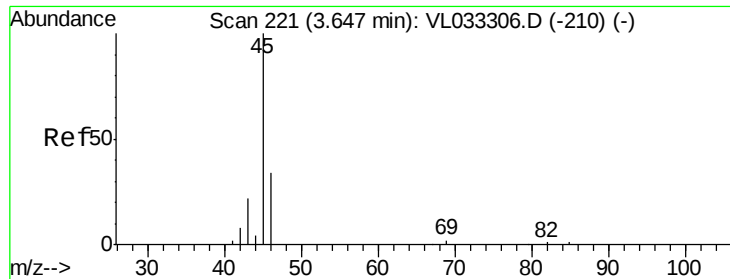
Tgt Ion:101 Resp: 875959

Ion Ratio Lower Upper

101 100

151 71.3 57.2 85.8





#13

Ethanol

Concen: 6.785 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 92222

Ion Ratio Lower Upper

45 100

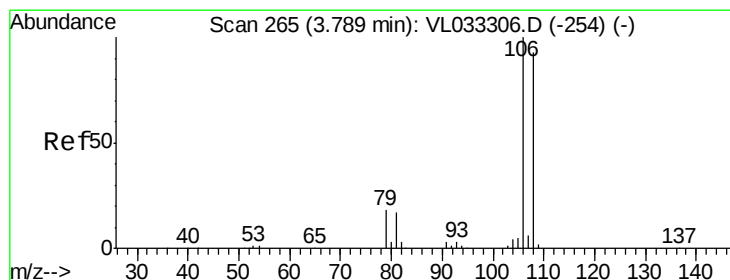
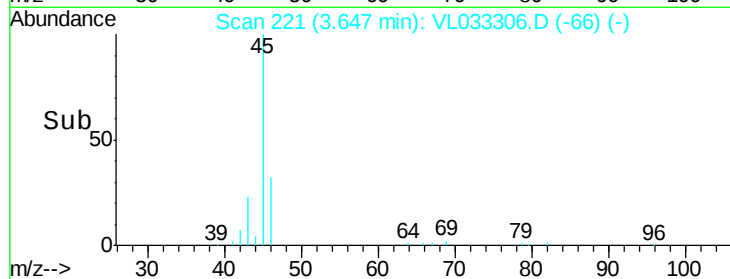
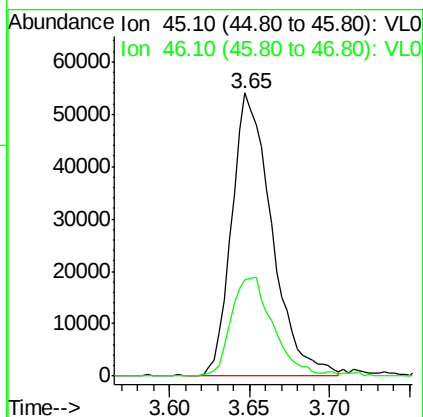
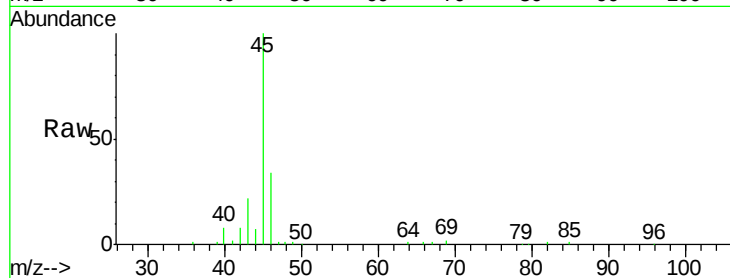
46 37.1 14.9 59.5

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#14

Bromoethene

Concen: 9.787 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

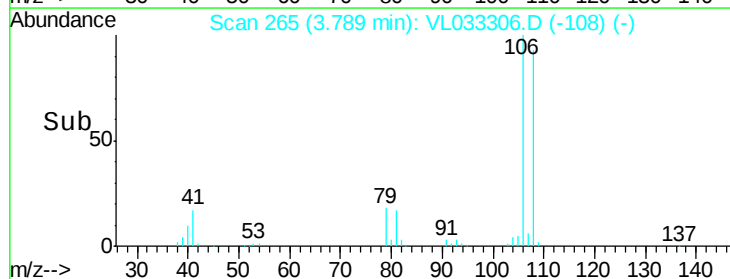
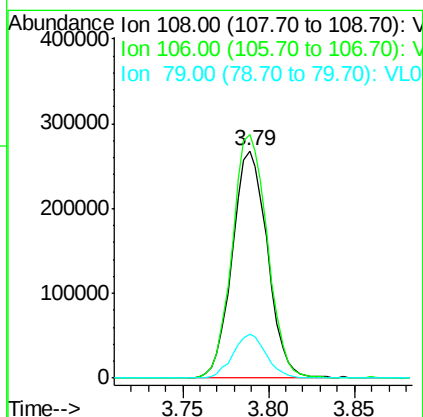
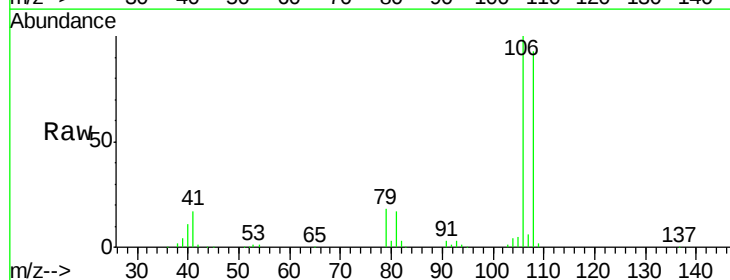
Tgt Ion: 108 Resp: 382637

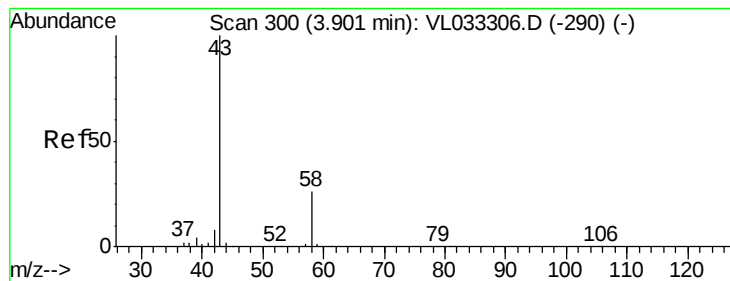
Ion Ratio Lower Upper

108 100

106 107.8 85.1 127.7

79 18.5 15.0 22.6





#15

Acetone

Concen: 8.110 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 841035

Ion Ratio Lower Upper

43 100

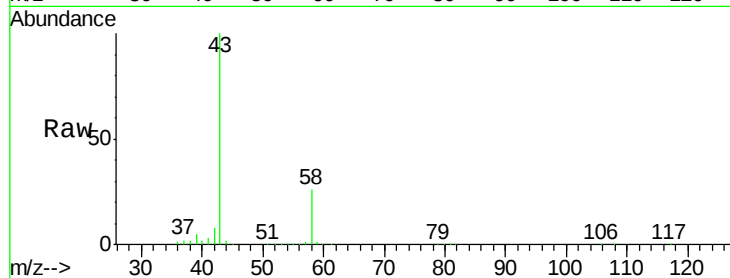
58 25.9 20.6 31.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

600000

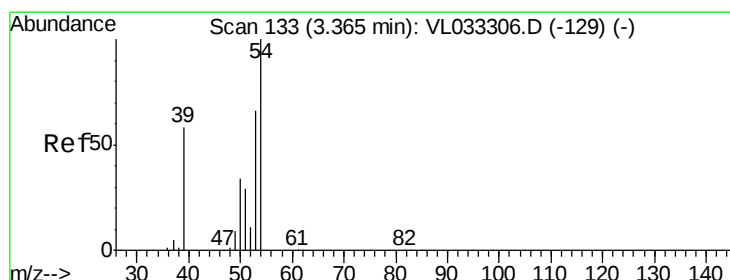
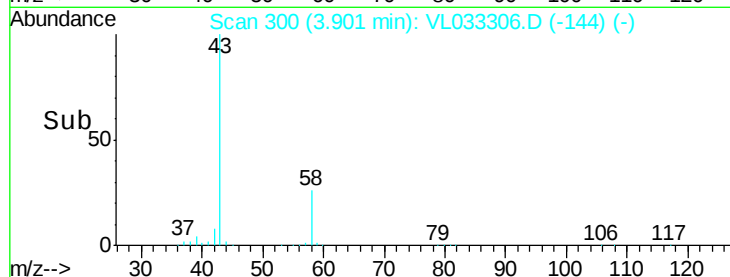
400000

200000

0

3.85 3.90 3.95 4.00

Time-->



#16

1,3-Butadiene

Concen: 9.950 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033306.D

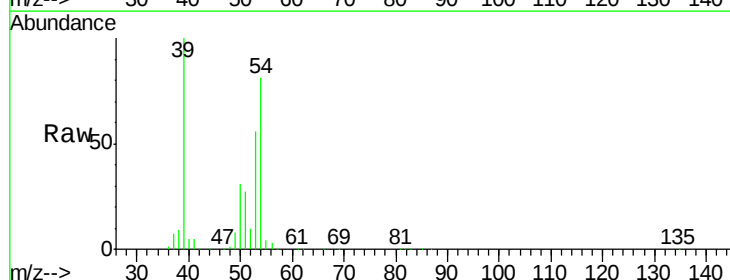
Acq: 13 Mar 2019 23:21

Tgt Ion: 39 Resp: 423480

Ion Ratio Lower Upper

39 100

54 90.2 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

300000

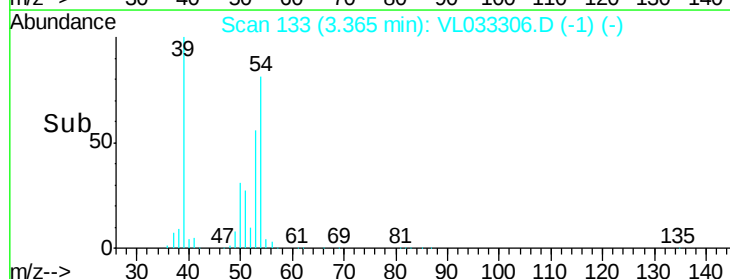
200000

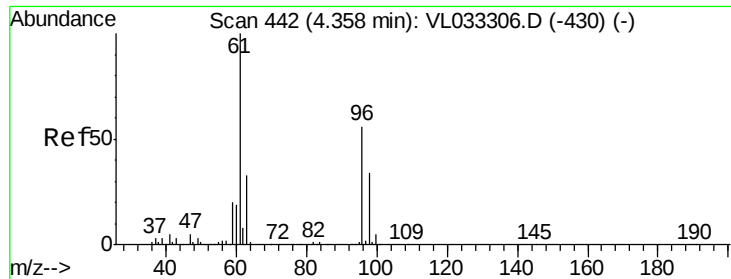
100000

0

3.34 3.36 3.38 3.40

Time-->





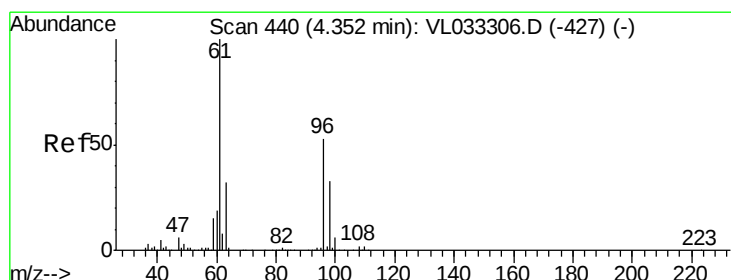
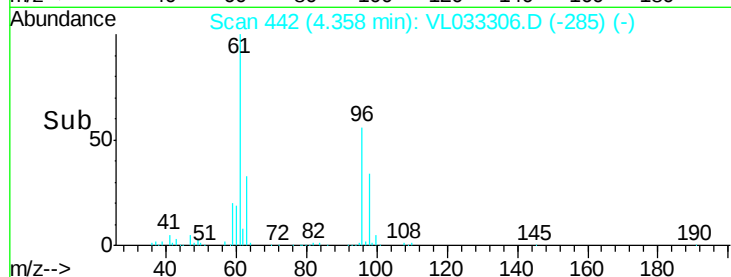
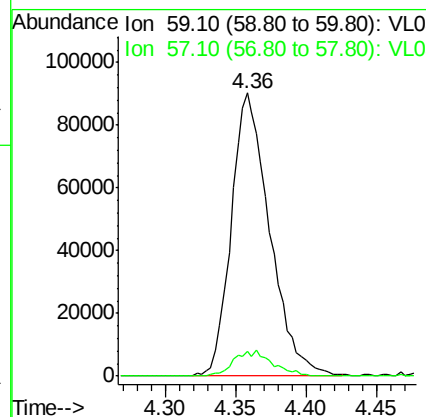
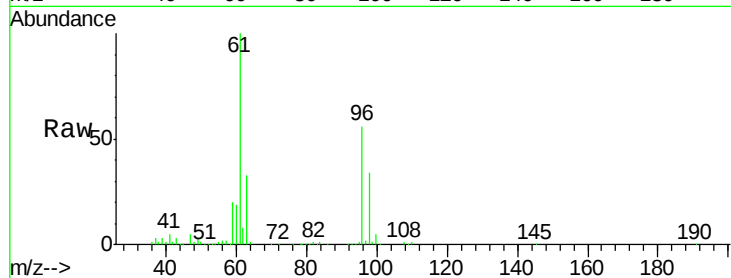
#17
 tert-Butyl alcohol
 Concen: 9.539 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 59 Resp: 172076
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.4 11.2

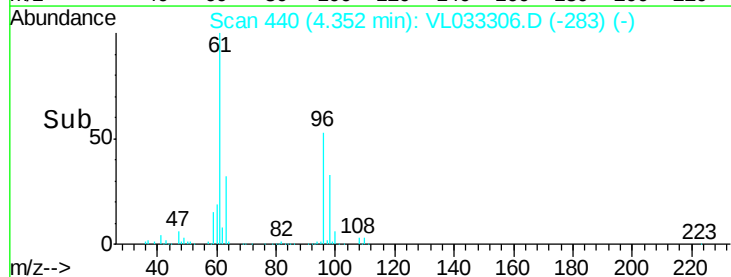
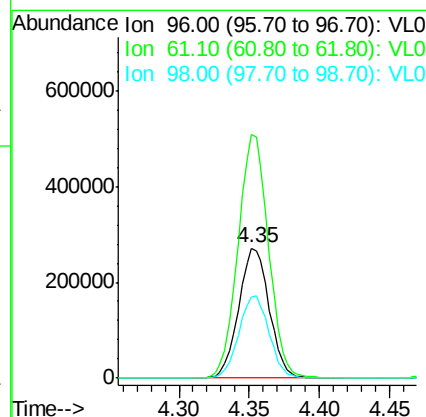
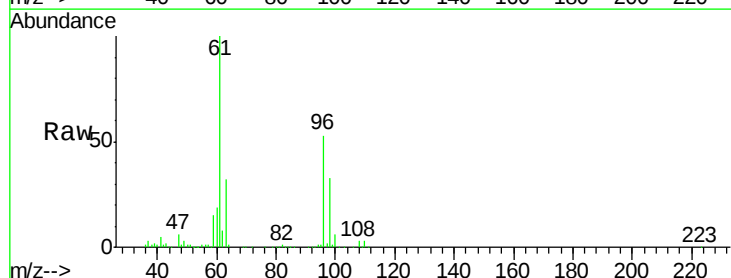
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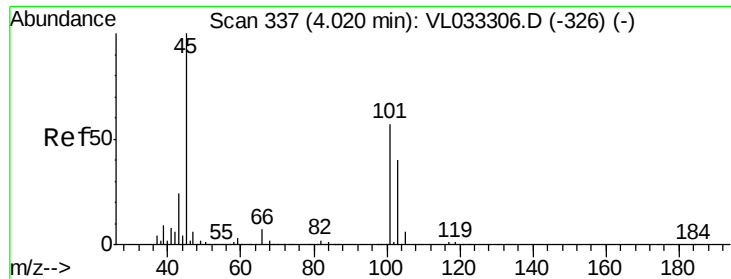
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#18
 1,1-Dichloroethene
 Concen: 10.033 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion: 96 Resp: 412226
 Ion Ratio Lower Upper
 96 100
 61 187.4 152.3 228.5
 98 62.2 48.6 72.8





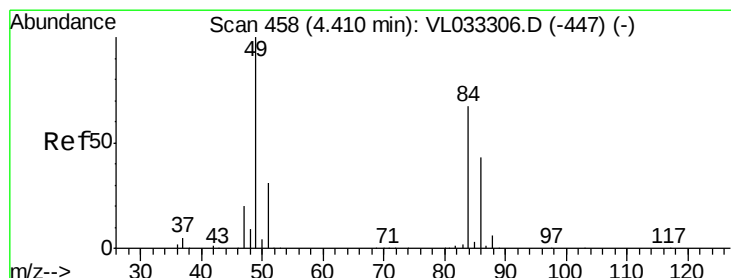
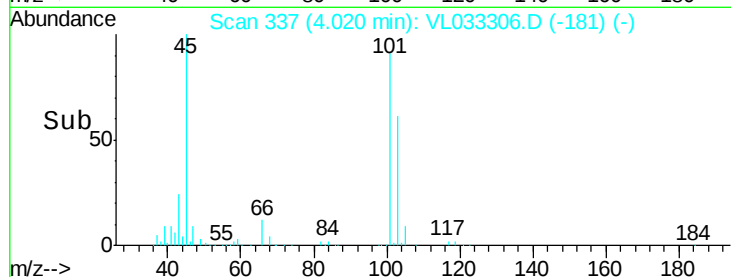
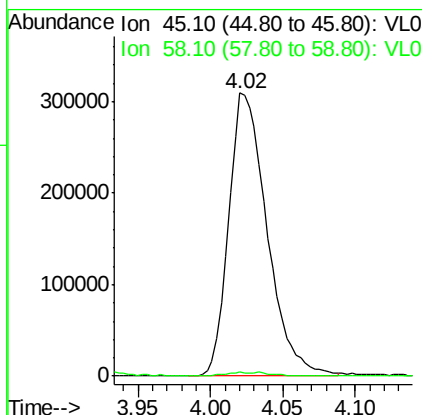
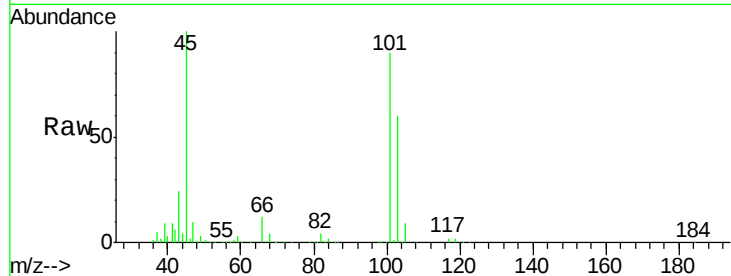
#19
Isopropyl Alcohol
Concen: 8.839 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 567725
Ion Ratio Lower Upper
45 100
58 1.7 1.4 2.0

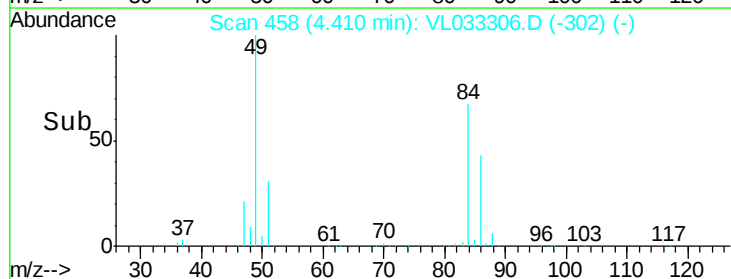
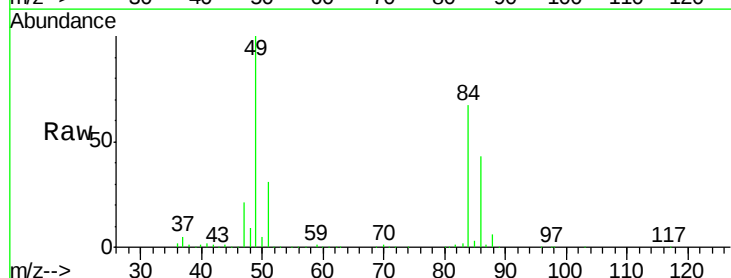
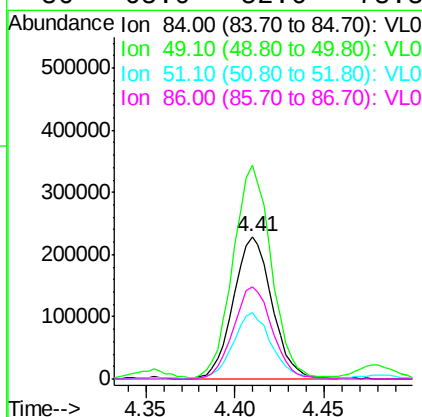
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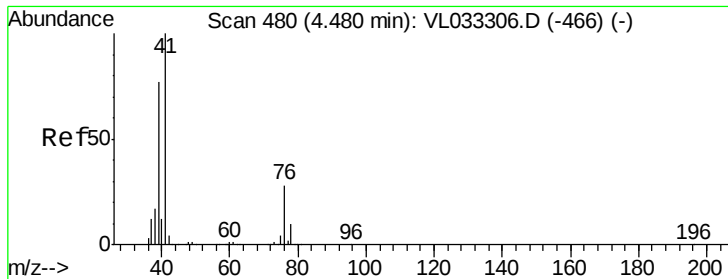
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#20
Methylene Chloride
Concen: 8.255 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 84 Resp: 344243
Ion Ratio Lower Upper
84 100
49 149.6 115.4 173.2
51 46.2 35.7 53.5
86 65.0 52.6 78.8





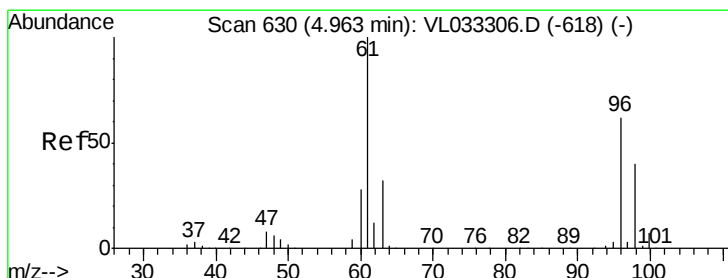
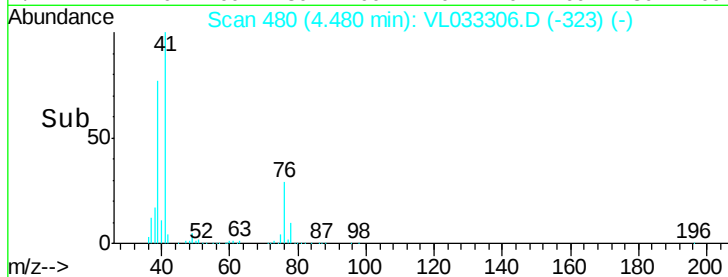
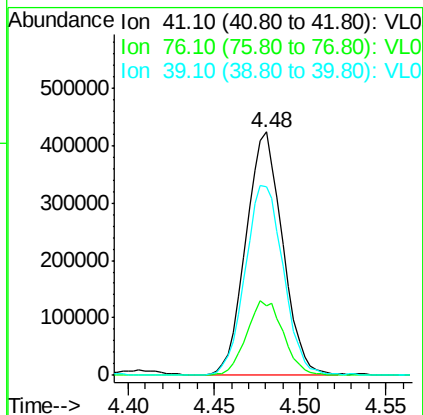
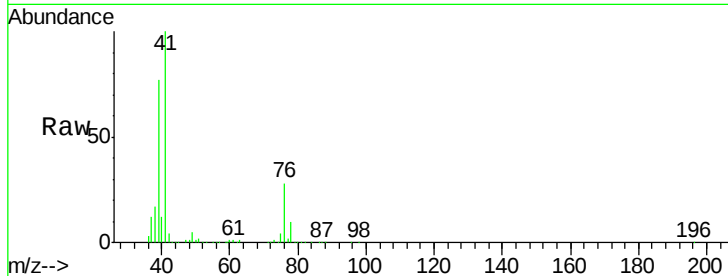
#21
 Allyl Chloride
 Concen: 10.105 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.3	36.5
39	81.8	64.4	96.6

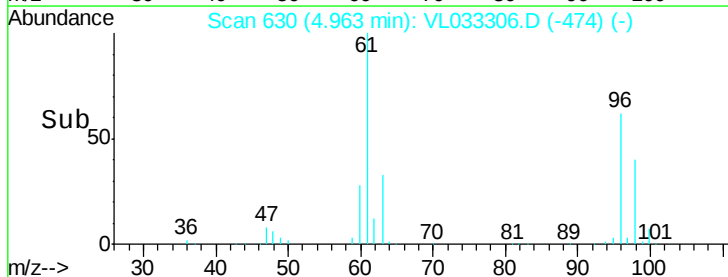
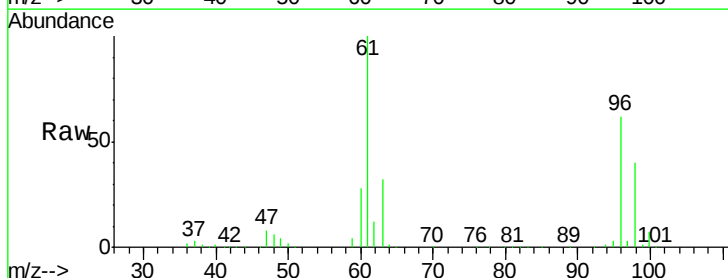
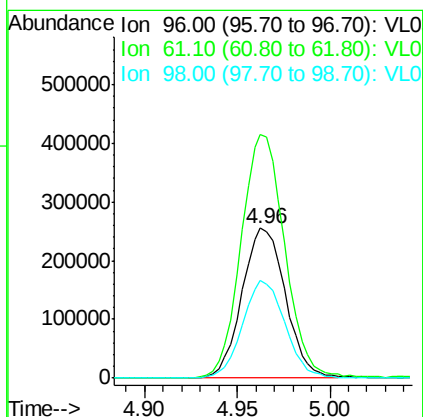
Manual Integrations
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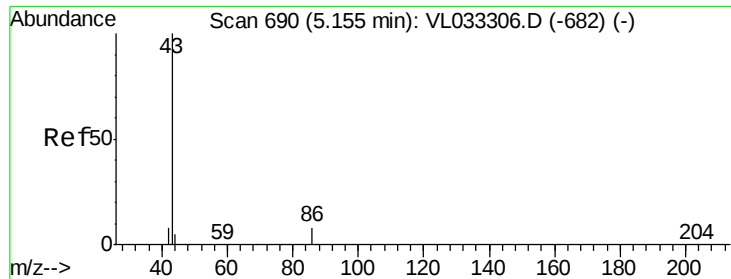
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#22
 trans-1,2-Dichloroethene
 Concen: 10.022 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	132.7	199.1
98	65.3	52.4	78.6





#23

Vinyl Acetate

Concen: 10.495 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1558019

Ion Ratio Lower Upper

43 100

86 7.0 5.8 8.8

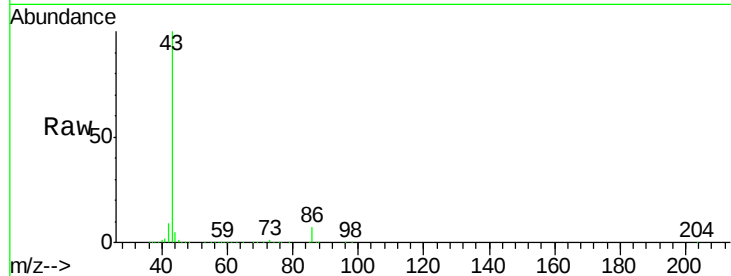
42 9.0 7.8 11.8

44 4.8 4.1 6.1

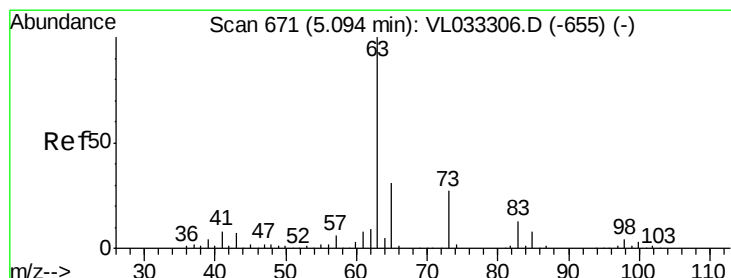
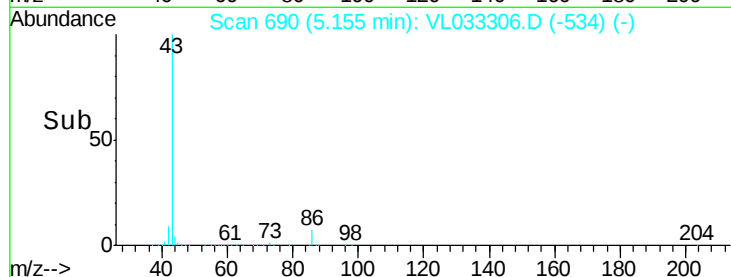
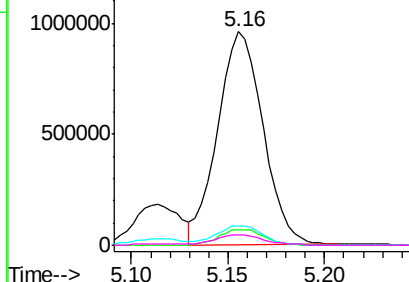
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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.225 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

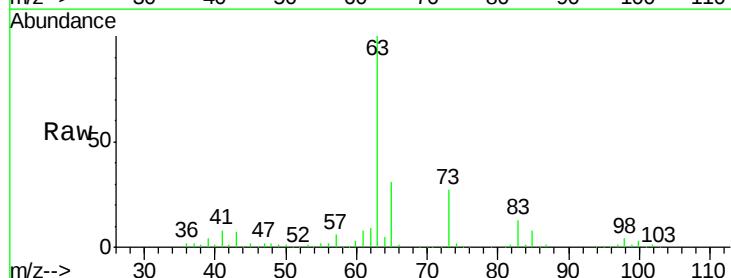
Tgt Ion: 63 Resp: 1094297

Ion Ratio Lower Upper

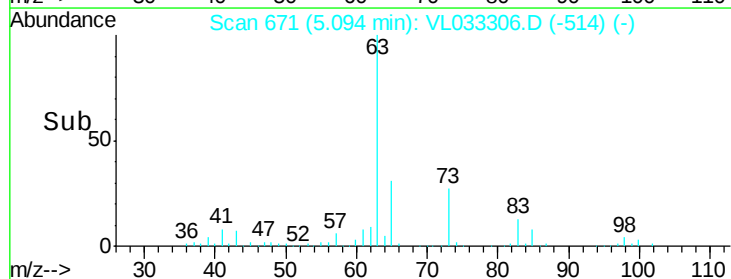
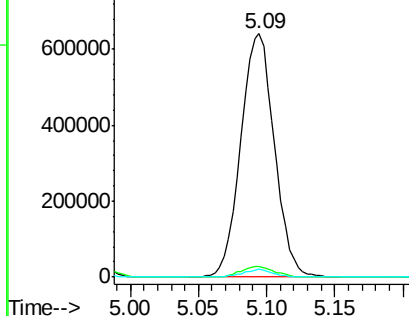
63 100

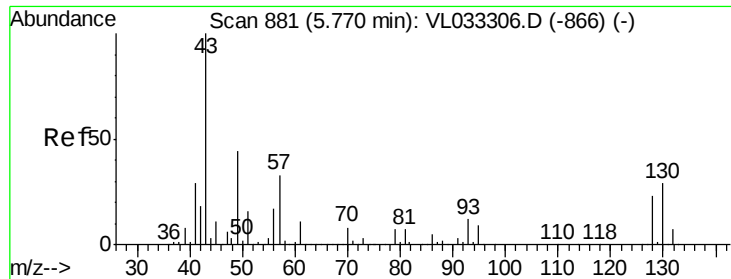
98 4.4 2.3 6.8

100 3.1 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





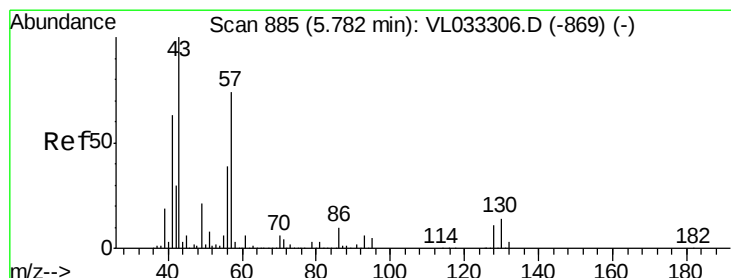
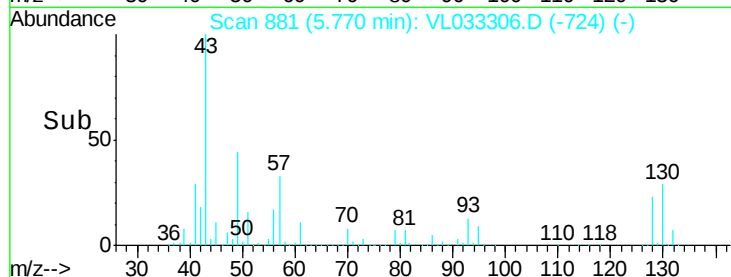
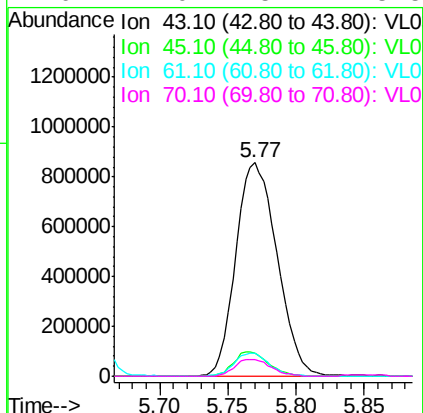
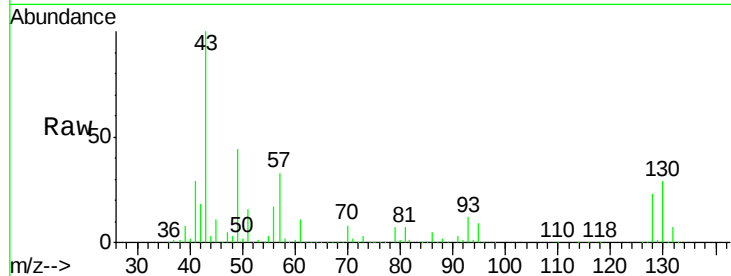
#25
Ethyl Acetate
Concen: 9.582 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.2	7.5	11.3
70	7.0	5.7	8.5

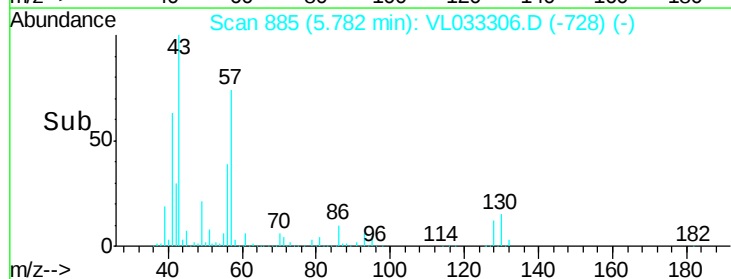
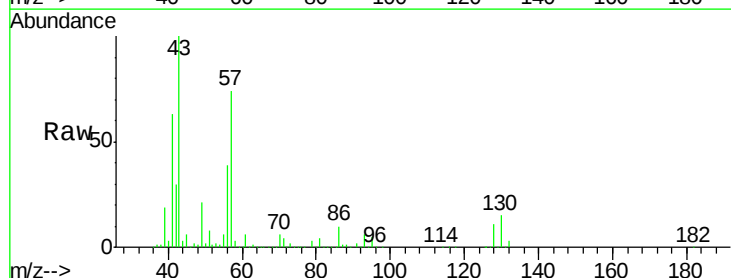
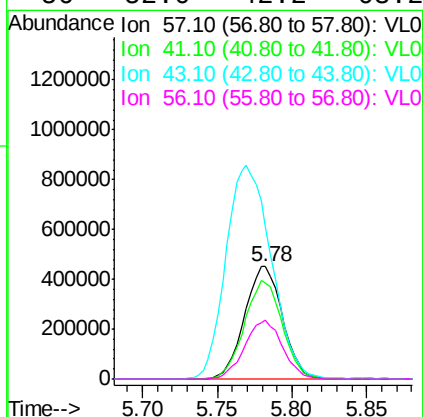
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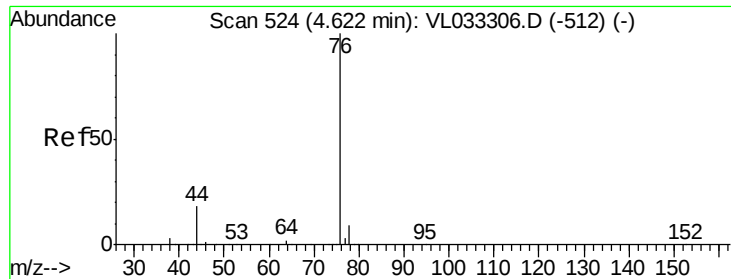
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#26
Hexane
Concen: 9.066 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.7	71.6	107.4
43	226.9	179.2	268.8
56	52.0	42.2	63.2





#27

Carbon Disulfide

Concen: 10.928 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 1020123

Ion Ratio Lower Upper

76 100

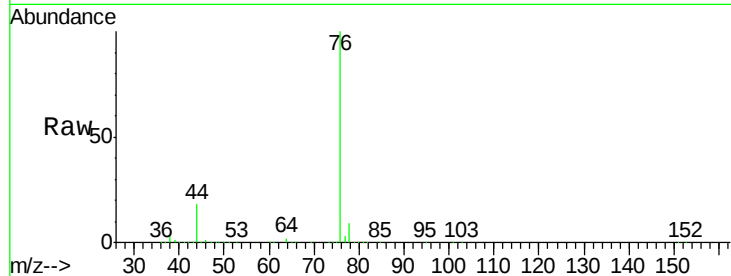
44 18.4 14.7 22.1

78 9.1 7.3 10.9

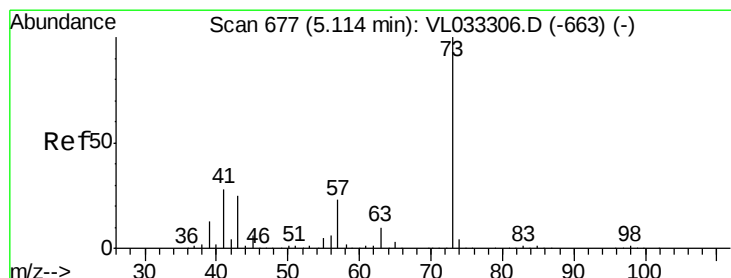
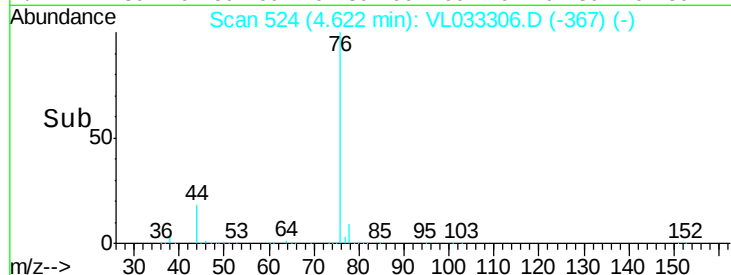
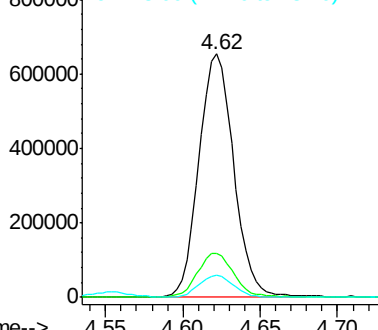
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.768 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033306.D

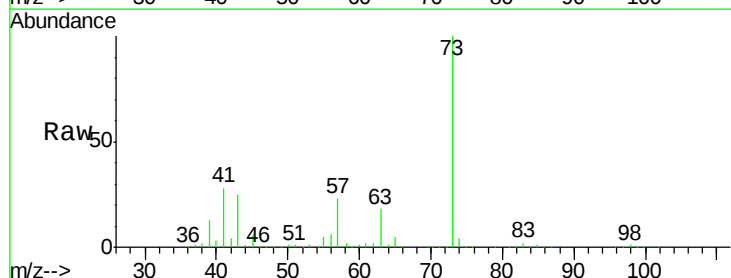
Acq: 13 Mar 2019 23:21

Tgt Ion: 73 Resp: 1337302

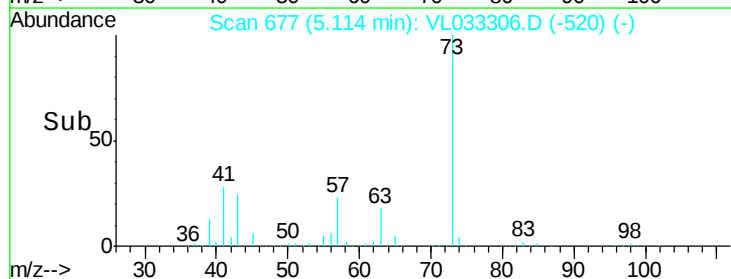
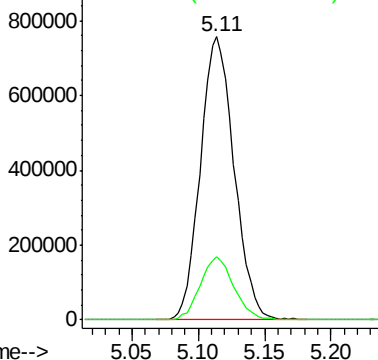
Ion Ratio Lower Upper

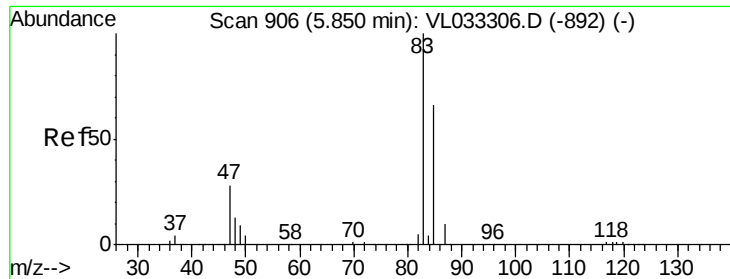
73 100

57 22.3 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





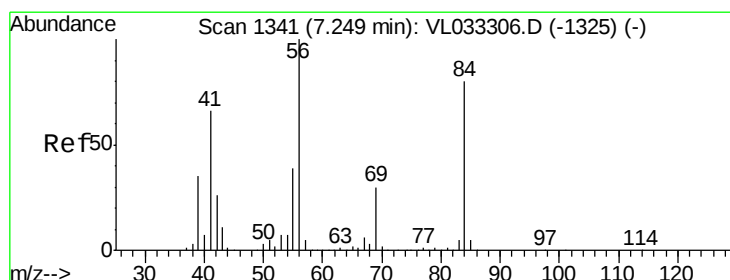
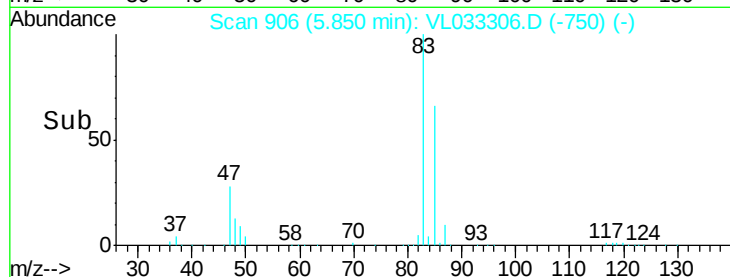
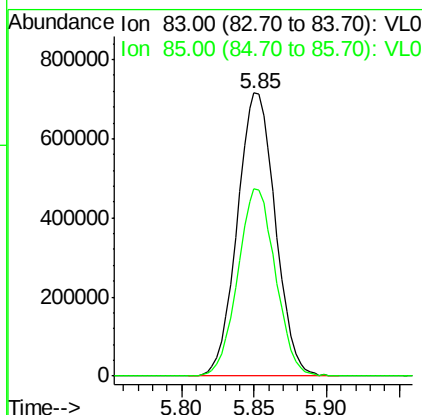
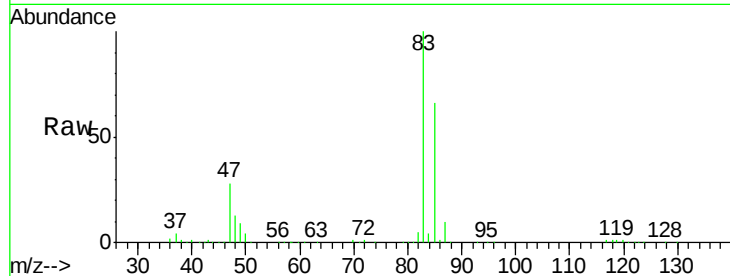
#29
Chloroform
Concen: 9.539 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1301996
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4

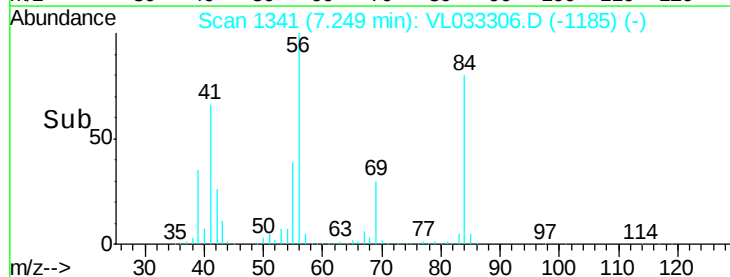
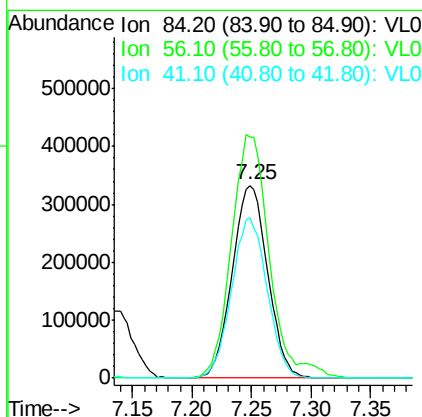
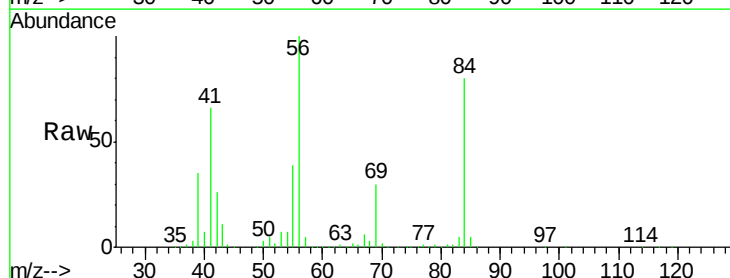
Manual Integrations
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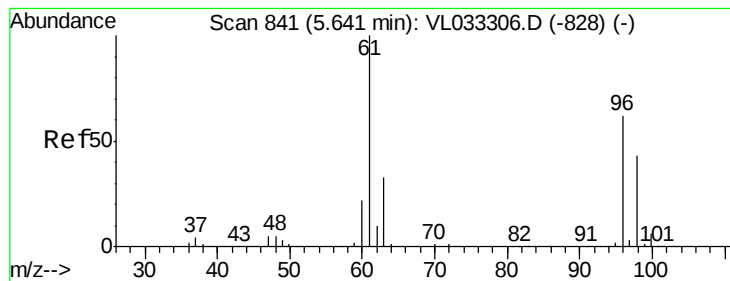
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#30
Cyclohexane
Concen: 10.155 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 84 Resp: 688411
Ion Ratio Lower Upper
84 100
56 135.3 109.8 164.8
41 83.3 68.1 102.1





#31

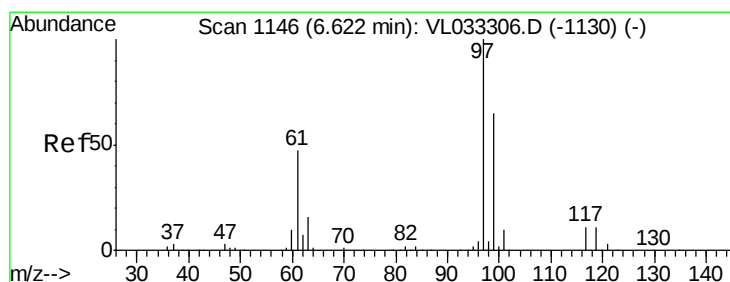
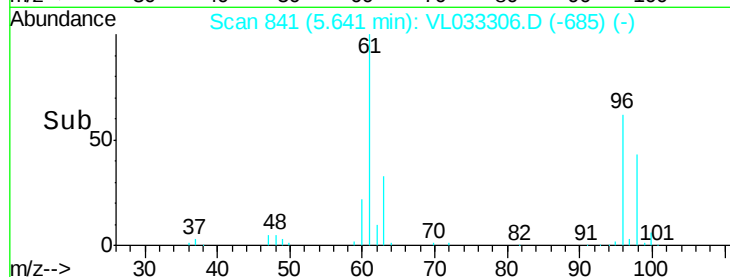
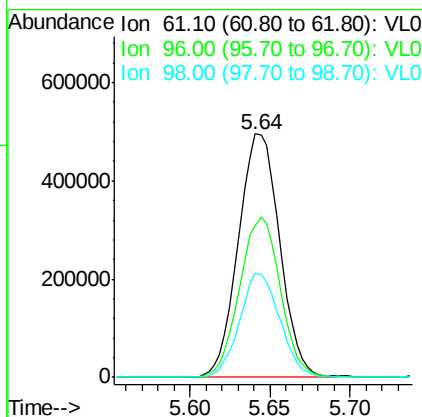
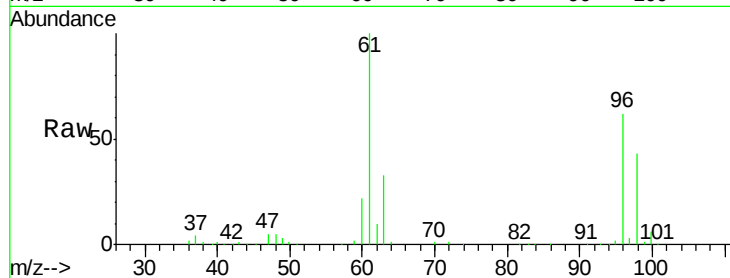
cis-1,2-Dichloroethene
Concen: 10.443 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.8	77.6
98	42.5	32.3	48.5

Manual Integrations
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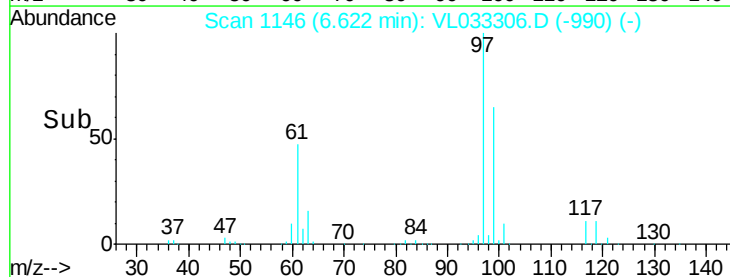
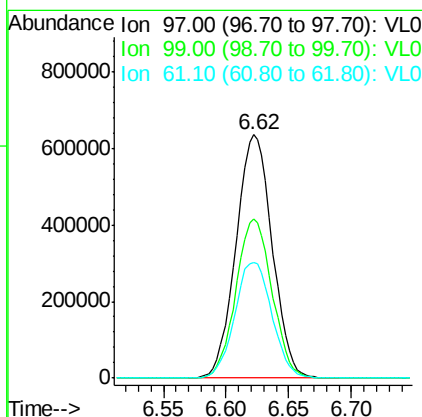
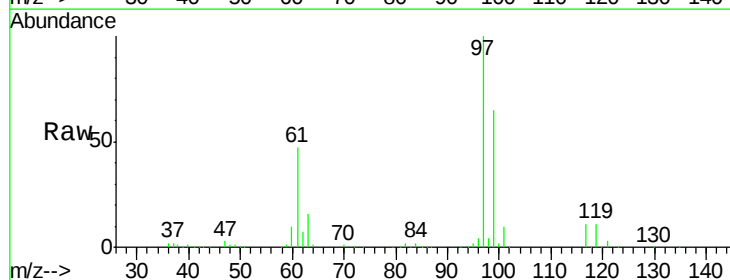
MMDadoda
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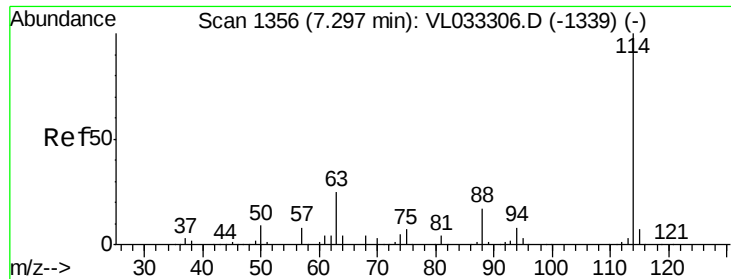


#32

1,1,1-Trichloroethane
Concen: 9.583 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	48.8	39.4	59.2





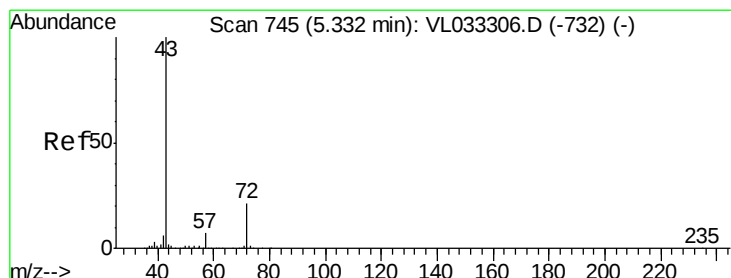
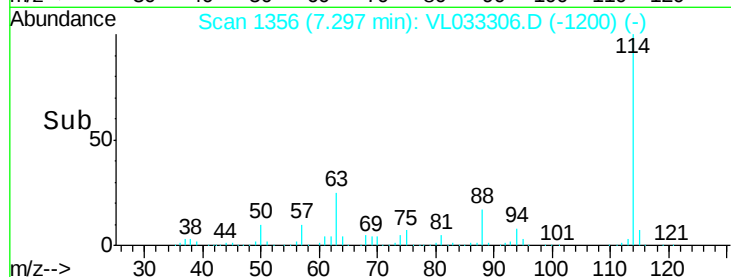
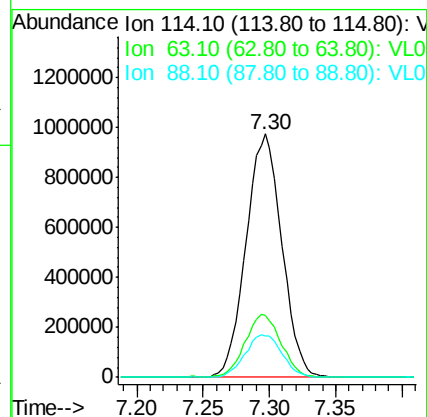
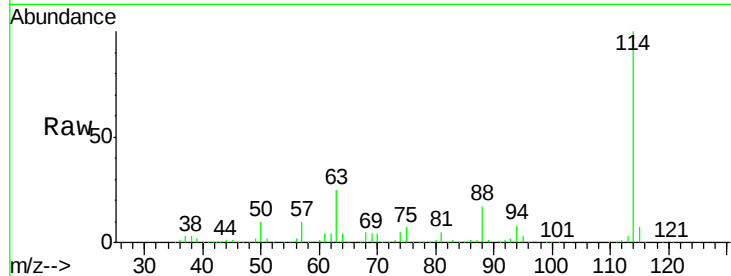
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 1824315
 Ion Ratio Lower Upper
 114 100
 63 26.2 21.3 31.9
 88 18.0 14.5 21.7

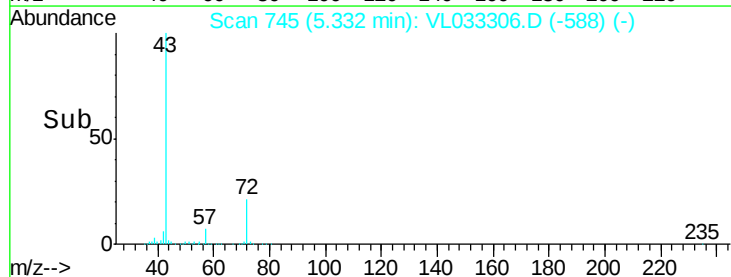
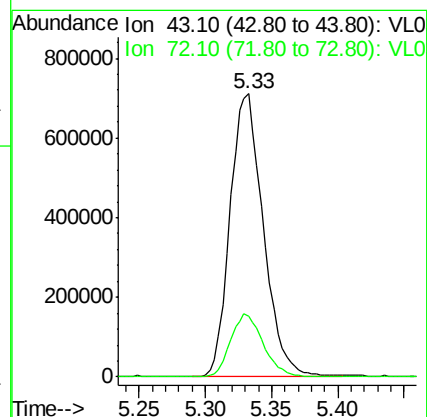
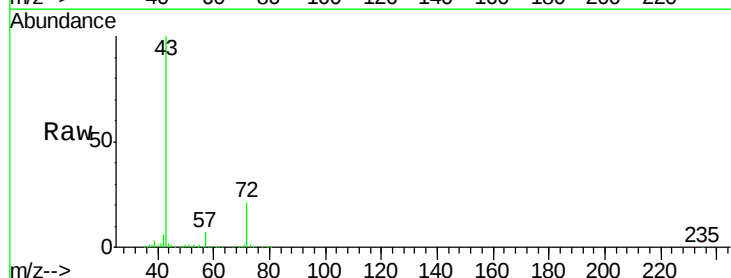
Manual Integrations
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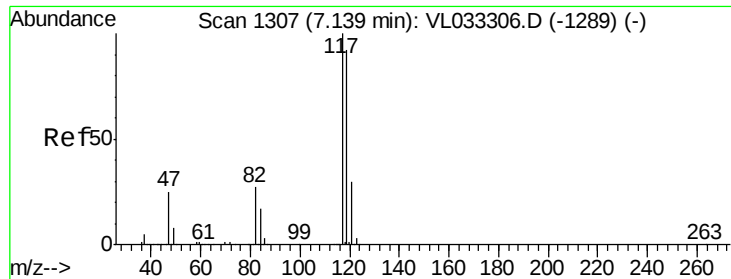
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#34
 2-Butanone
 Concen: 9.954 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion: 43 Resp: 1237712
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.2 25.8





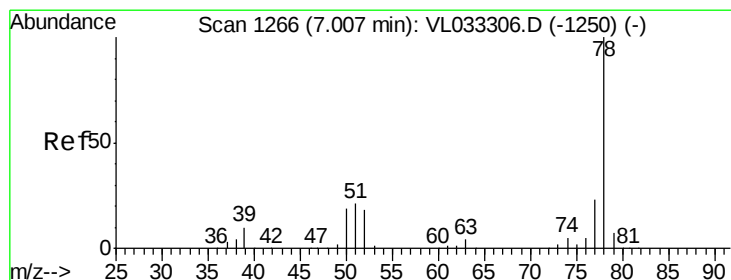
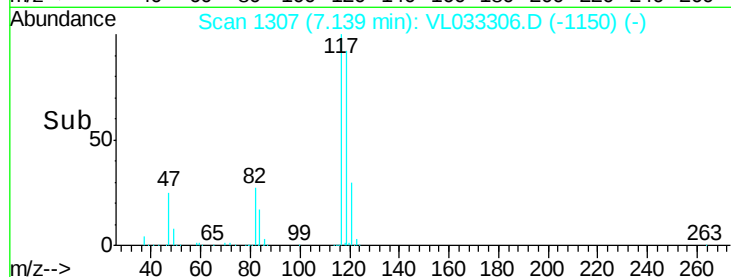
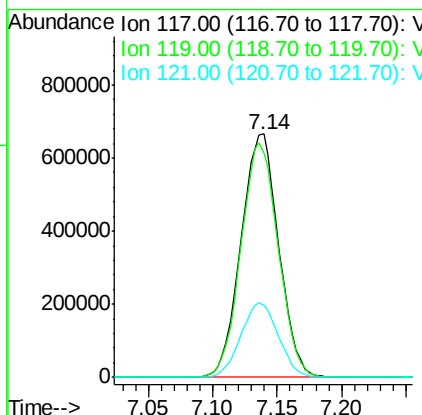
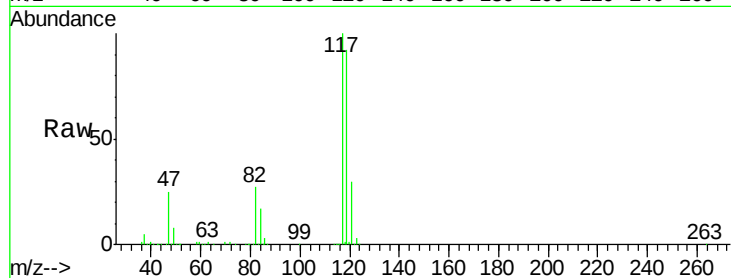
#35
Carbon Tetrachloride
Concen: 9.676 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 117 Resp: 1352081
Ion Ratio Lower Upper
117 100
119 92.4 75.9 113.9
121 29.8 25.2 37.8

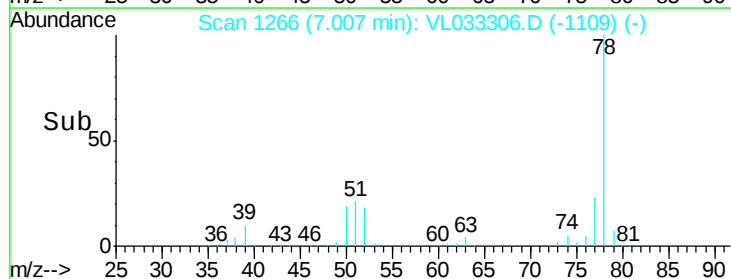
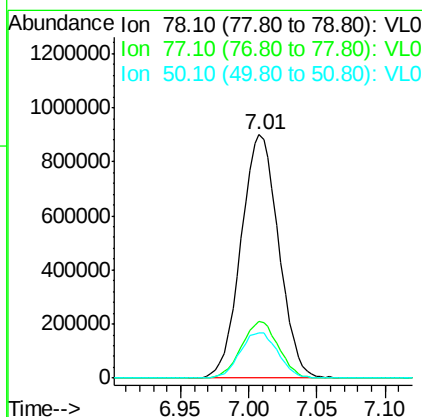
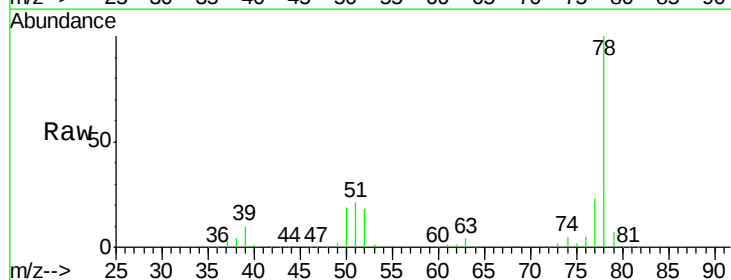
Manual Integrations
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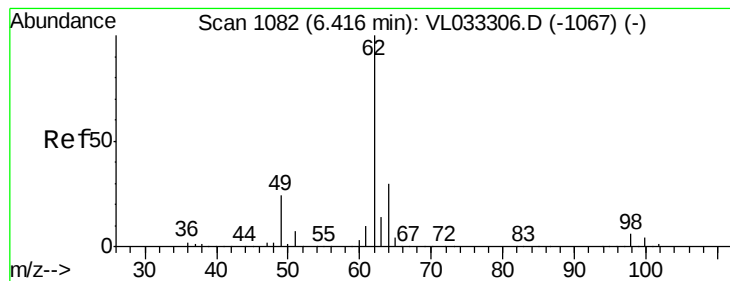
MMDadoda
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#36
Benzene
Concen: 9.682 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 78 Resp: 1721639
Ion Ratio Lower Upper
78 100
77 23.1 18.6 28.0
50 18.7 15.2 22.8





#37

1,2-Dichloroethane

Concen: 9.206 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 988905

Ion Ratio Lower Upper

62 100

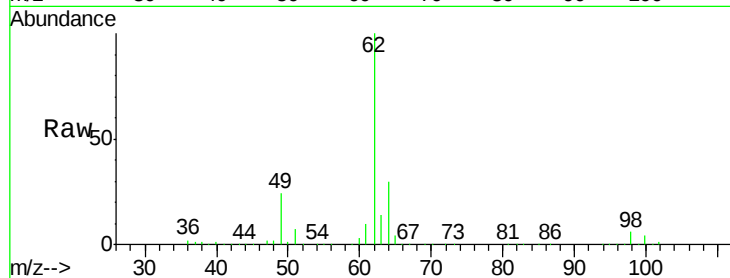
98 5.8 4.4 6.6

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

500000

400000

300000

200000

100000

0

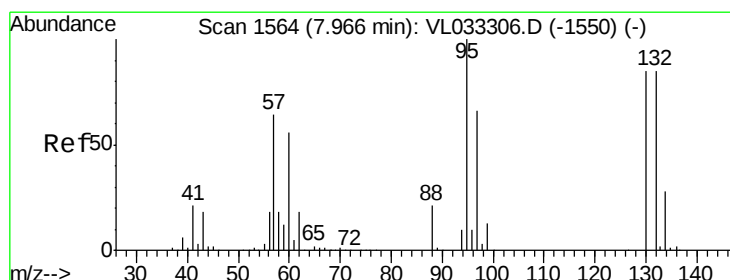
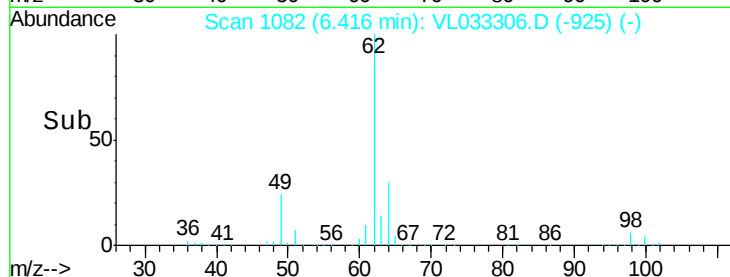
6.35

6.40

6.45

6.50

Time-->



#38

Trichloroethene

Concen: 9.001 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Tgt Ion: 130 Resp: 636490

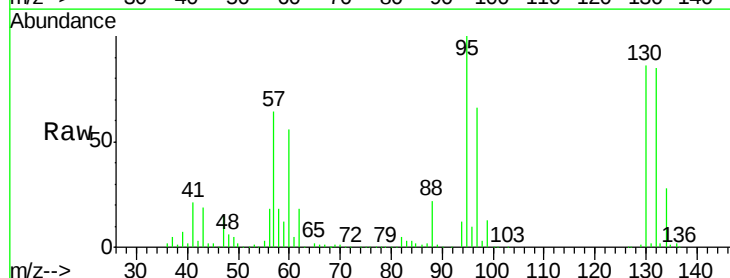
Ion Ratio Lower Upper

130 100

95 116.5 95.2 142.8

132 98.6 72.5 108.7

97 77.2 60.1 90.1



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

600000

500000

400000

300000

200000

100000

0

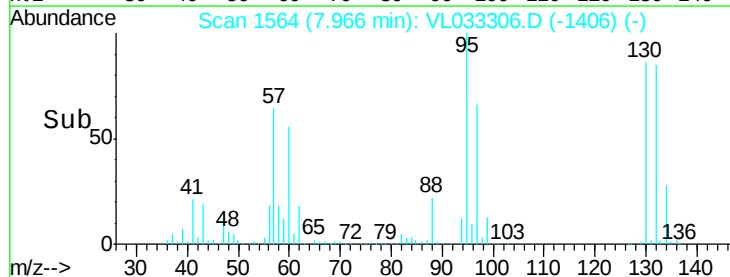
7.90

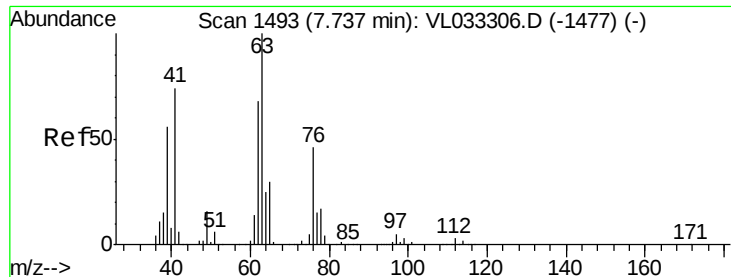
7.95

8.00

8.05

Time-->





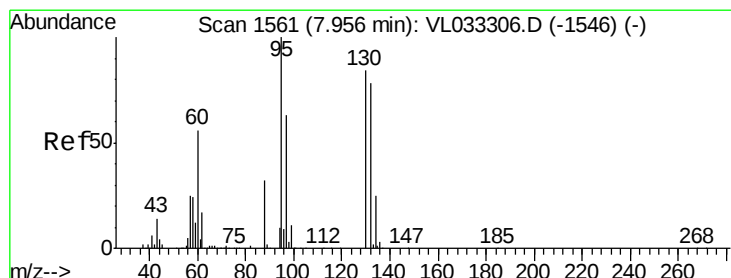
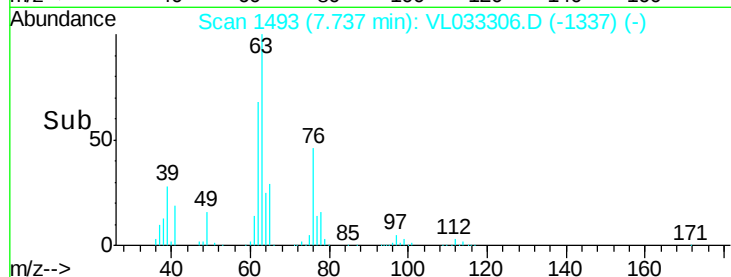
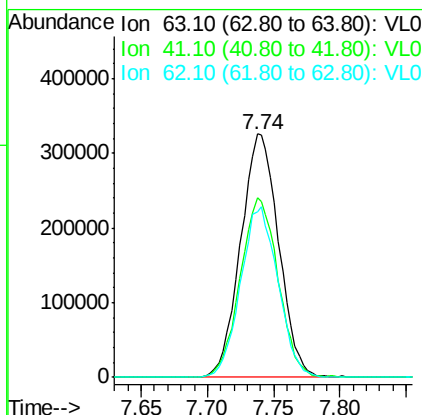
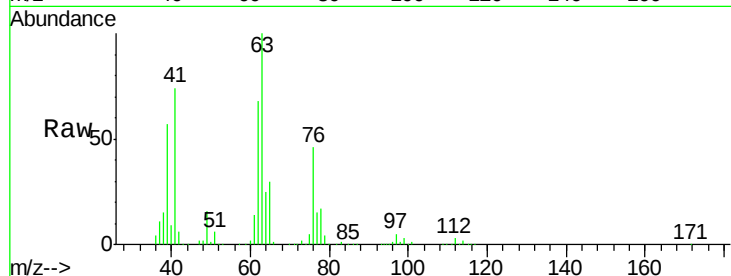
#39
 1,2-Dichloropropane
 Concen: 9.529 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.8	59.0	88.4
62	67.8	53.0	79.4

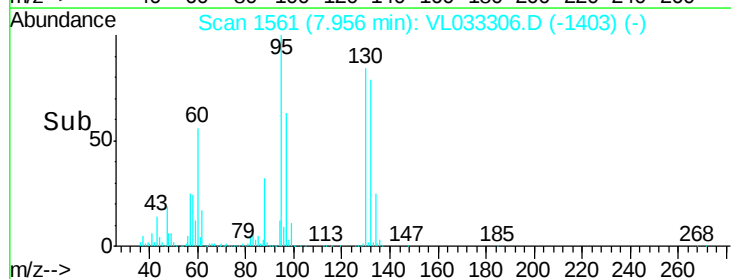
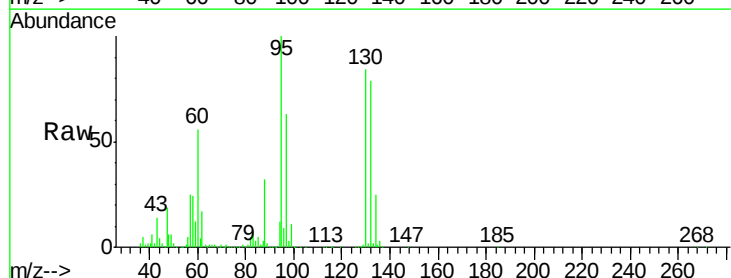
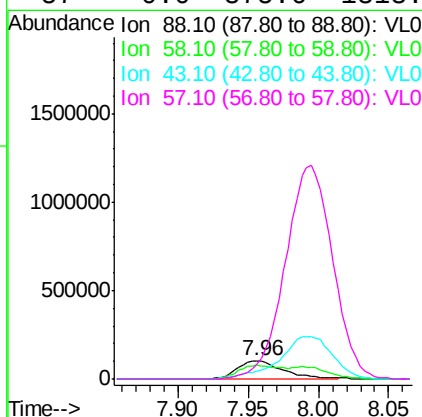
Manual Integrations
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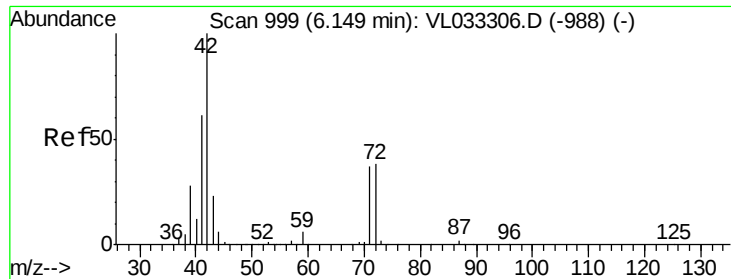
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#40
 1,4-Dioxane
 Concen: 9.318 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	126.2	97.7	146.5
43	0.0	199.4	299.2#
57	0.0	875.6	1313.4#





#41

Tetrahydrofuran

Concen: 9.836 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

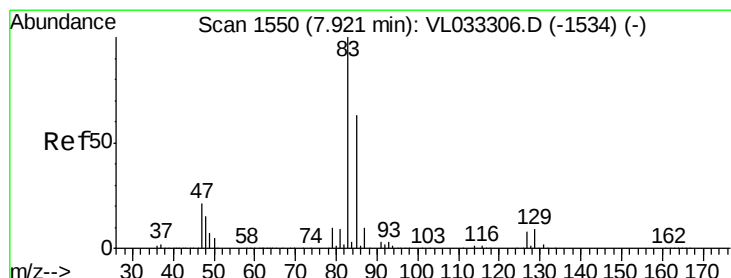
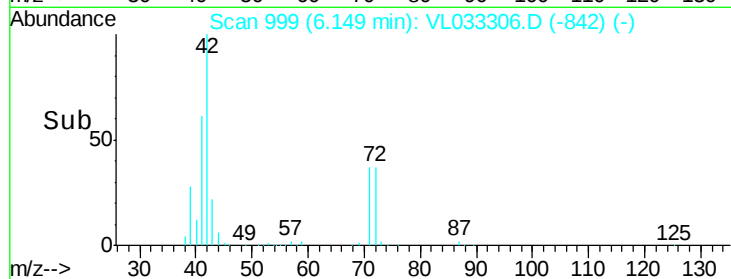
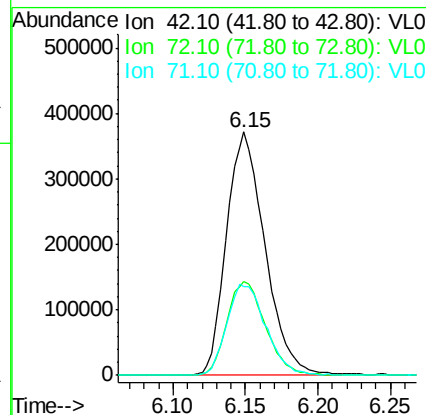
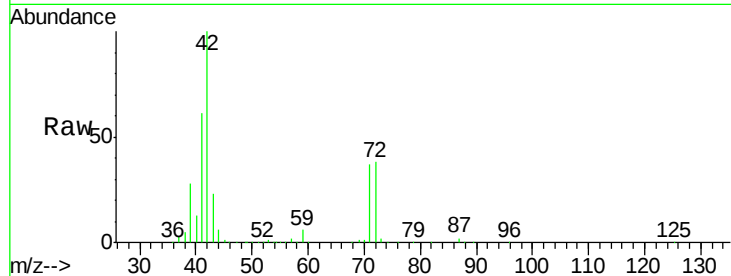
ClientSampleId :

VSTDICCC010

Tgt Ion:	42	Resp:	683321
Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.8	46.2
71	38.4	30.0	45.0

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#42

Bromodichloromethane

Concen: 9.856 ppbv

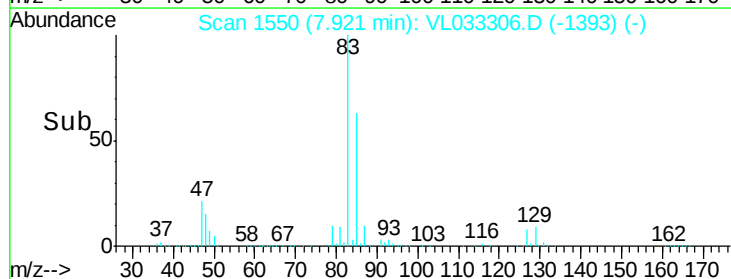
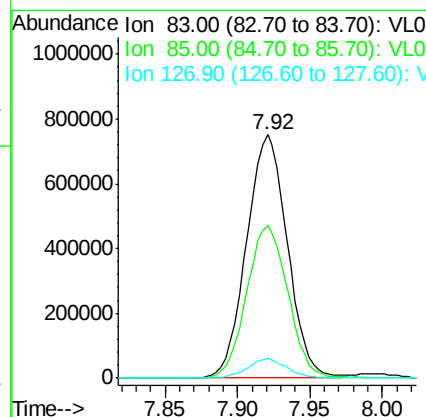
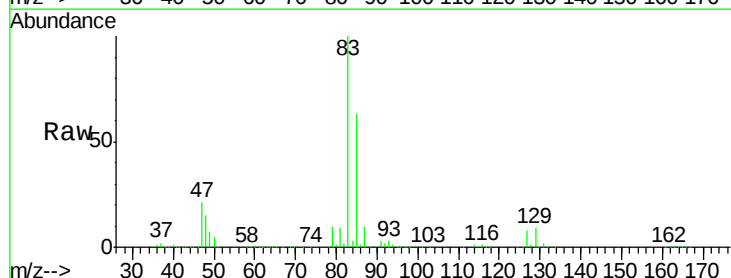
RT: 7.92 min Scan# 1550

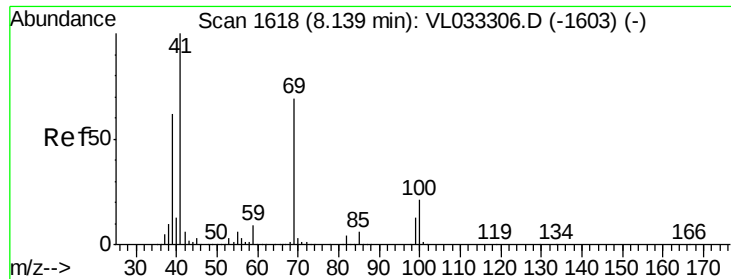
Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Tgt Ion:	83	Resp:	1470519
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.0	76.4
127	7.9	6.6	10.0





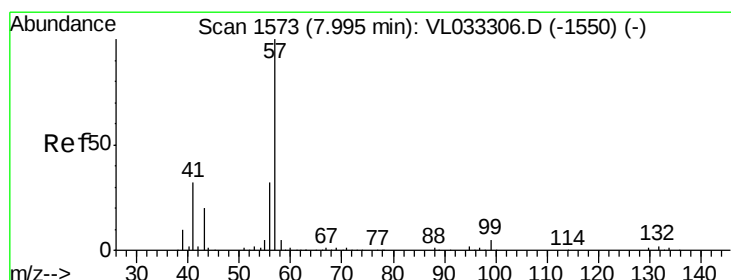
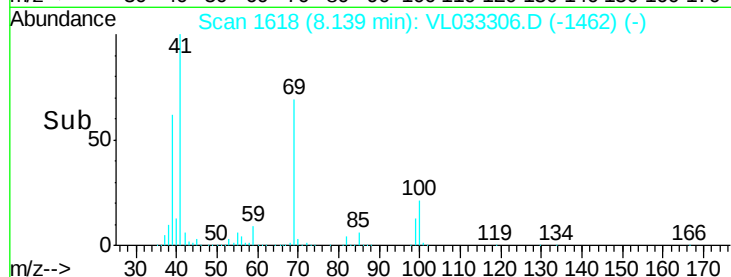
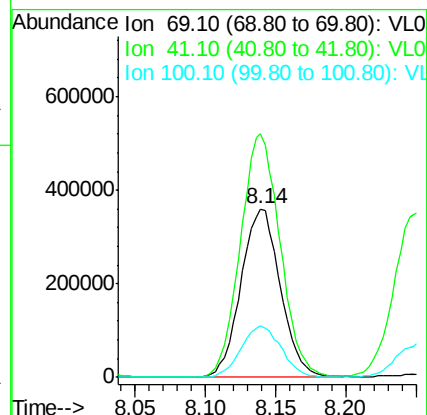
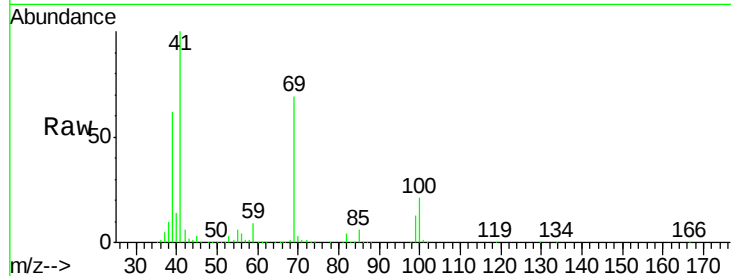
#43
Methyl Methacrylate
Concen: 9.950 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	146.1	117.0	175.4
100	31.3	24.3	36.5

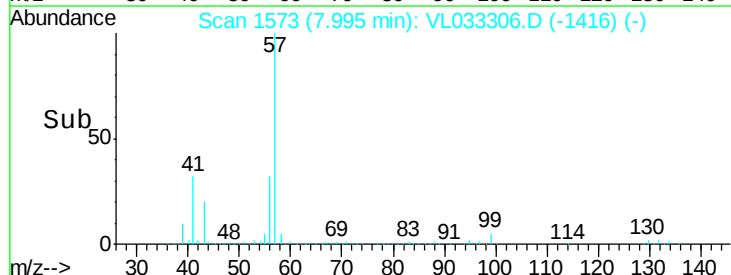
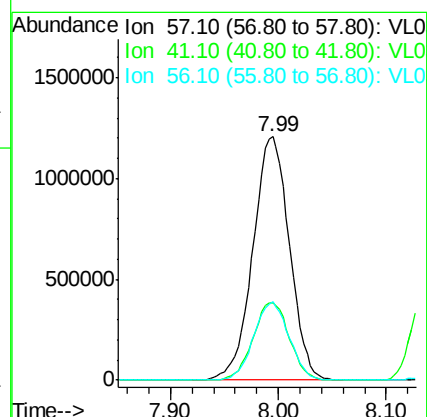
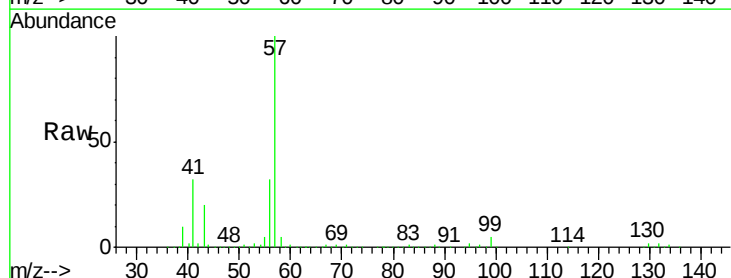
Manual Integrations
APPROVED

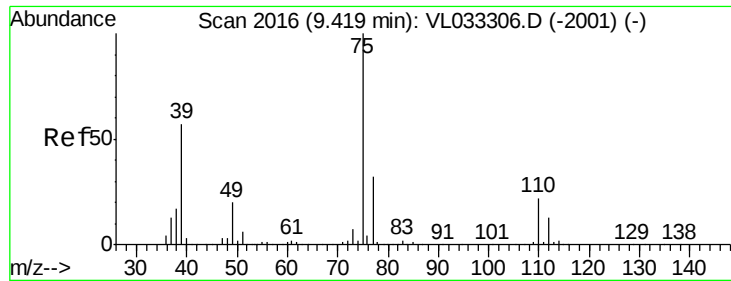
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#44
2,2,4-Trimethylpentane
Concen: 9.277 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.5	25.9	38.9
56	31.1	24.6	36.8





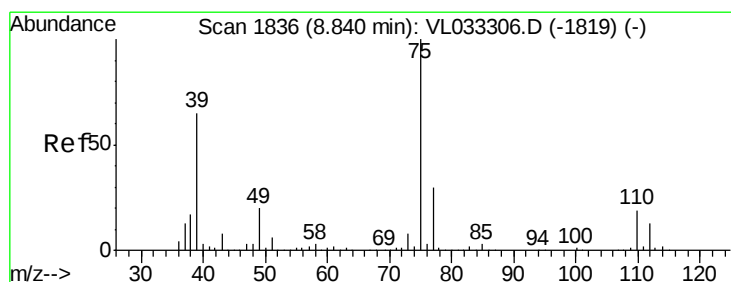
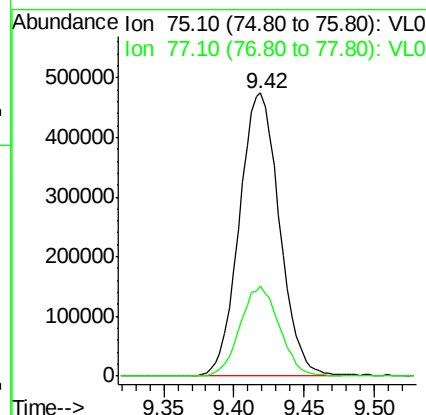
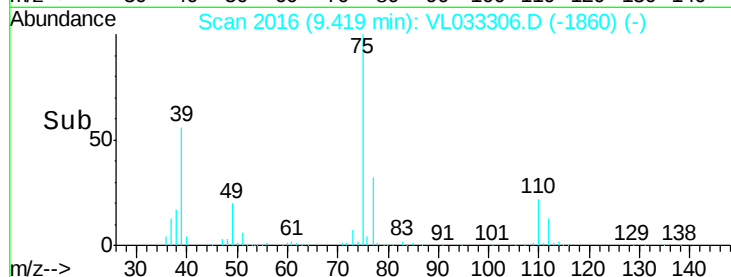
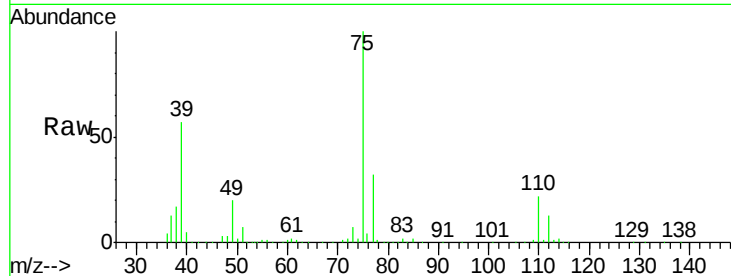
#45
t-1,3-Dichloropropene
Concen: 11.439 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 944919
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9

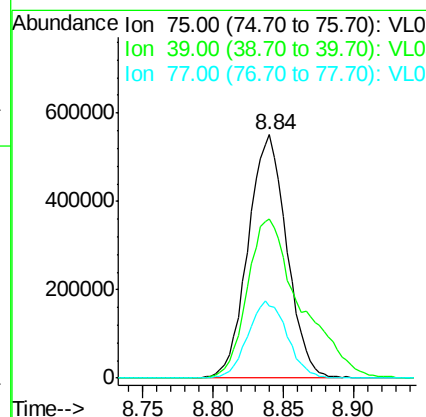
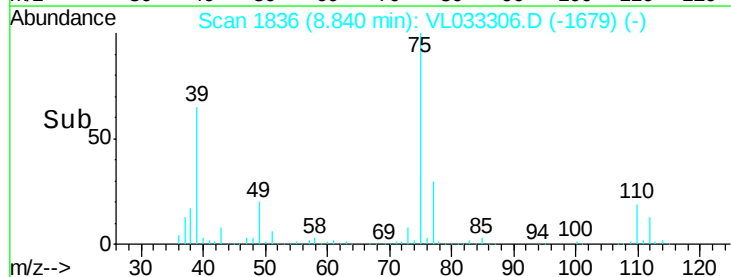
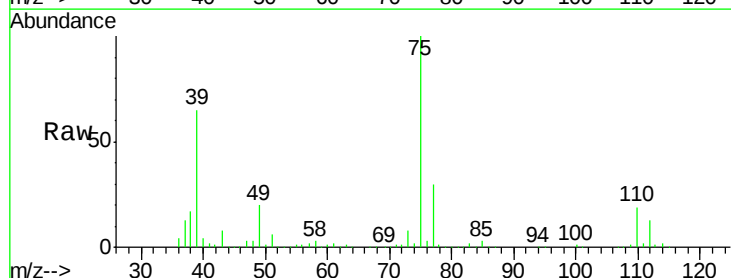
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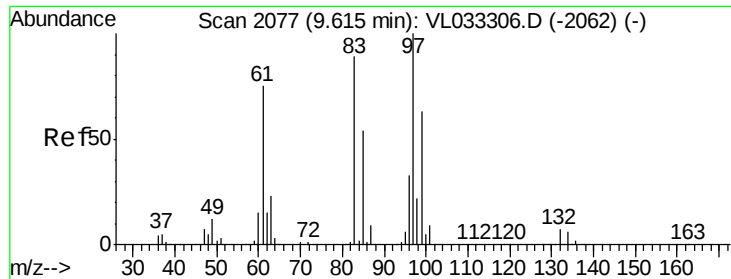
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#46
cis-1,3-Dichloropropene
Concen: 10.586 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 75 Resp: 1058620
Ion Ratio Lower Upper
75 100
39 65.4 53.4 80.2
77 29.6 23.7 35.5





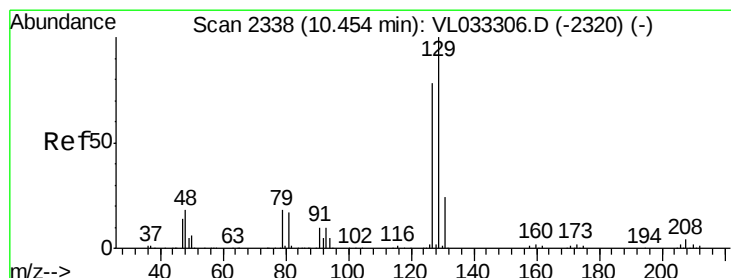
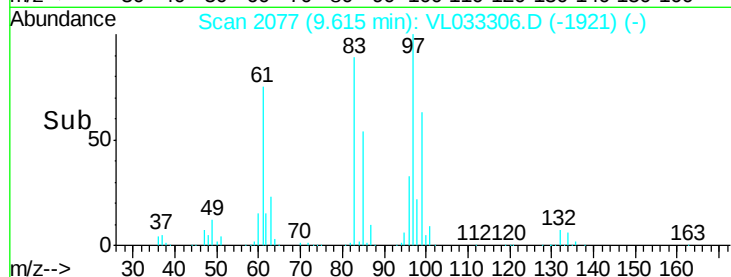
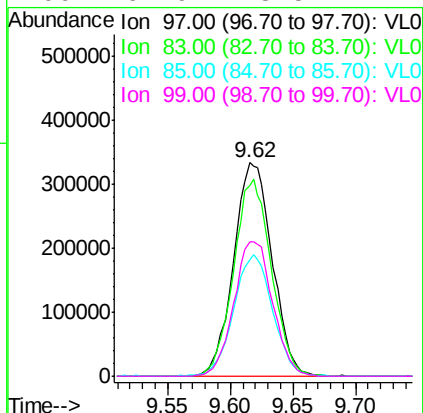
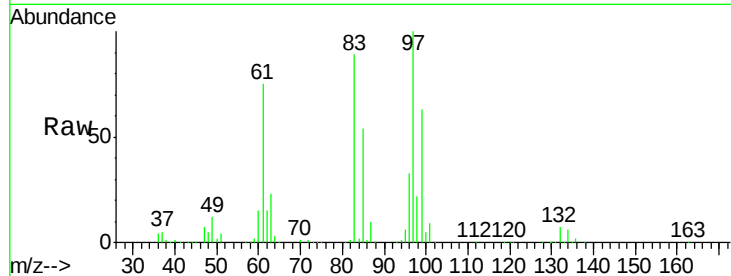
#47
 1,1,2-Trichloroethane
 Concen: 9.814 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.2	72.7	109.1	
85	54.3	45.6	68.4	
99	62.9	48.5	72.7	

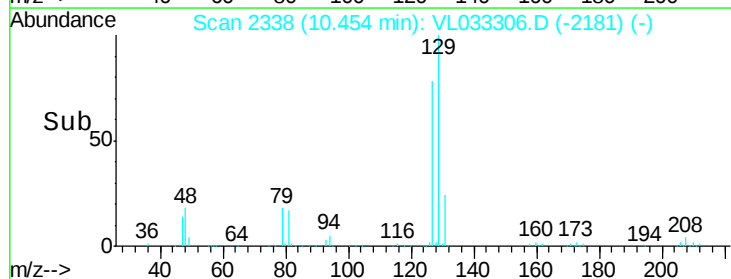
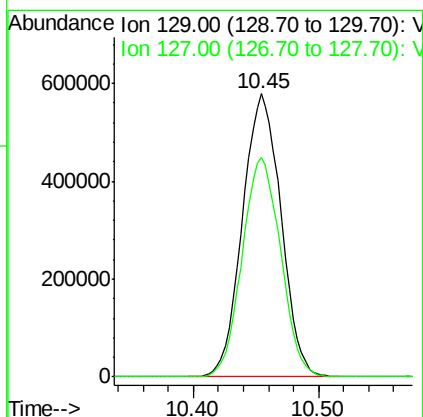
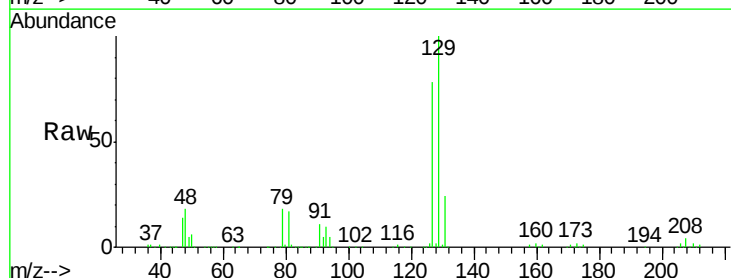
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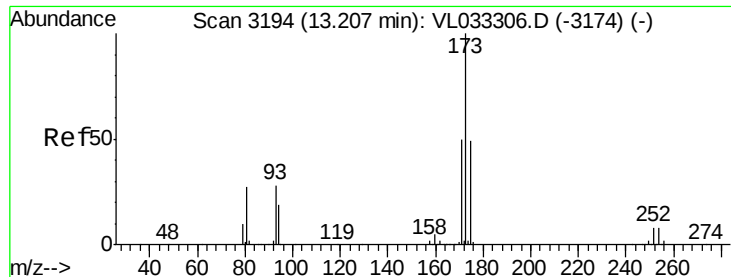
MMDadoda
 3/15/2019 10:41:54 PM



#48
 Dibromochloromethane
 Concen: 10.280 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.5	39.0	117.0	





#49

Bromoform

Concen: 12.007 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:173 Resp: 1224059

Ion Ratio Lower Upper

173 100

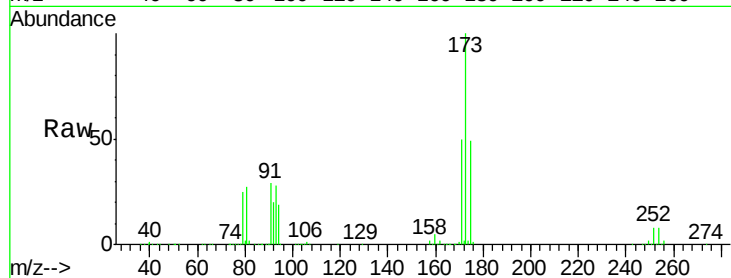
175 48.9 38.6 58.0

171 52.1 42.0 63.0

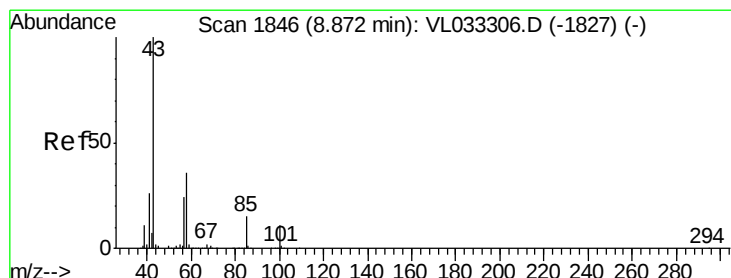
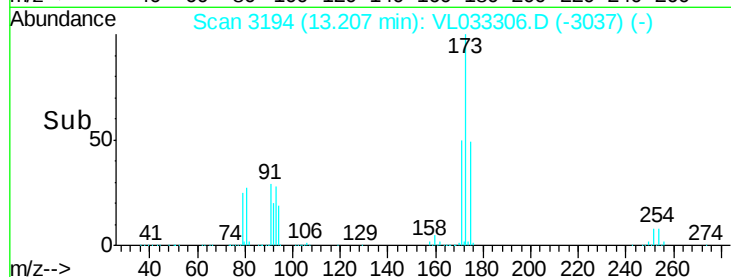
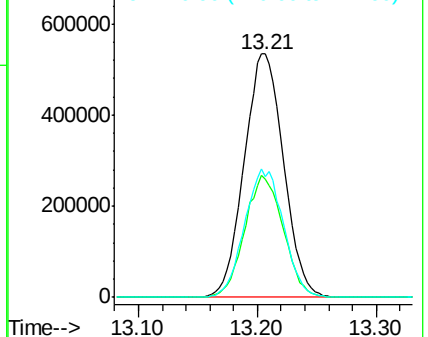
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.557 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL033306.D

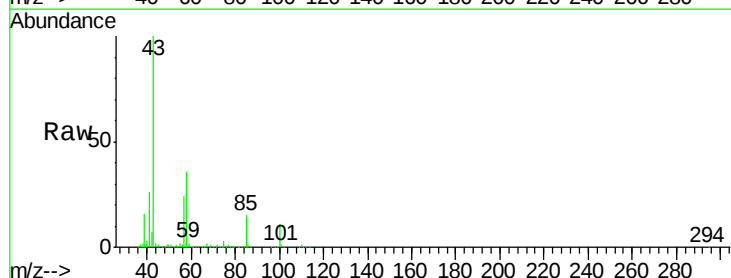
Acq: 13 Mar 2019 23:21

Tgt Ion: 43 Resp: 1734558

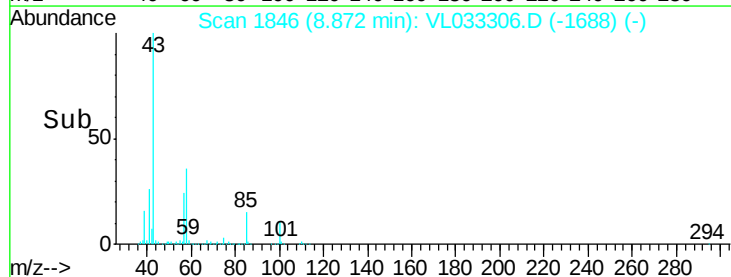
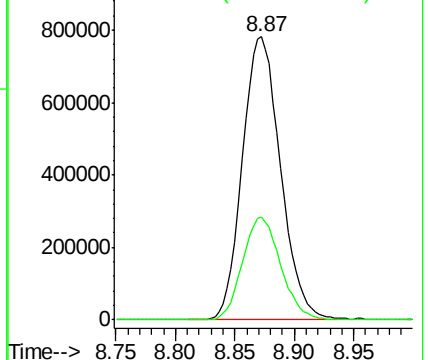
Ion Ratio Lower Upper

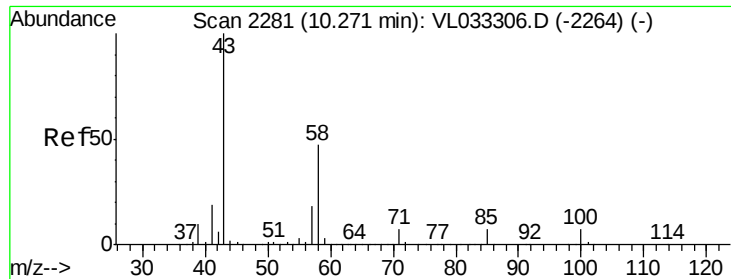
43 100

58 36.3 28.2 42.2



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





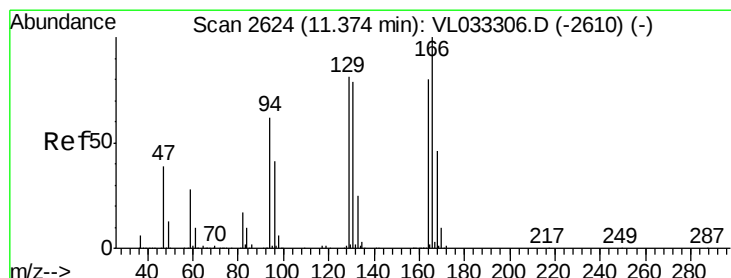
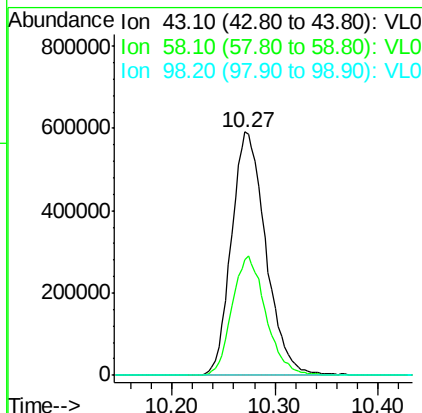
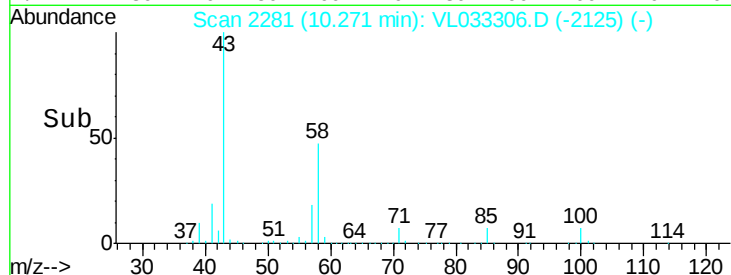
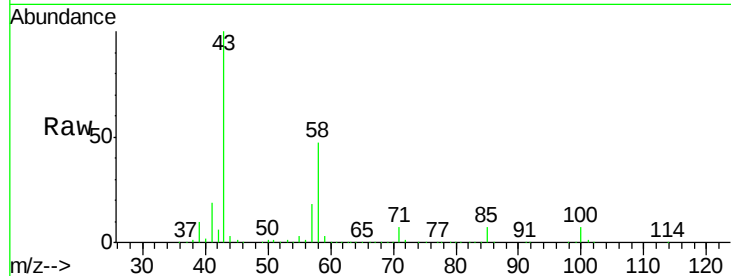
#51
2-Hexanone
Concen: 9.929 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1374105
Ion Ratio Lower Upper
43 100
58 48.2 38.4 57.6
98 0.1 0.2 0.2#

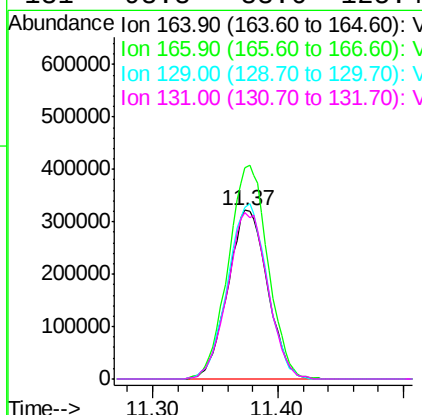
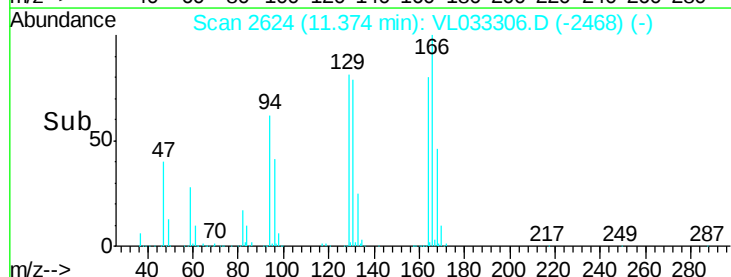
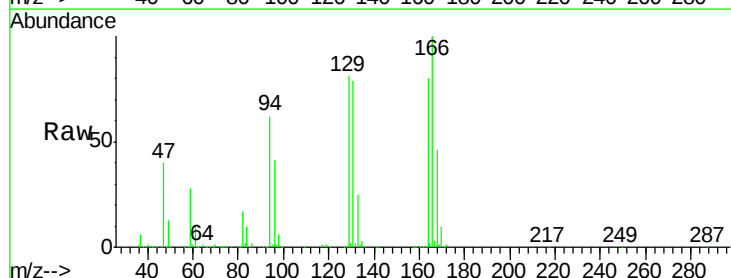
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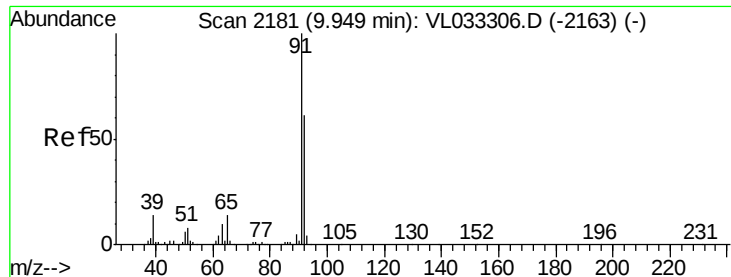
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#52
Tetrachloroethene
Concen: 9.610 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 164 Resp: 702805
Ion Ratio Lower Upper
164 100
166 125.4 103.2 154.8
129 101.6 85.8 128.8
131 98.8 83.6 125.4





#53

Toluene

Concen: 10.063 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 2041622

Ion Ratio Lower Upper

91 100

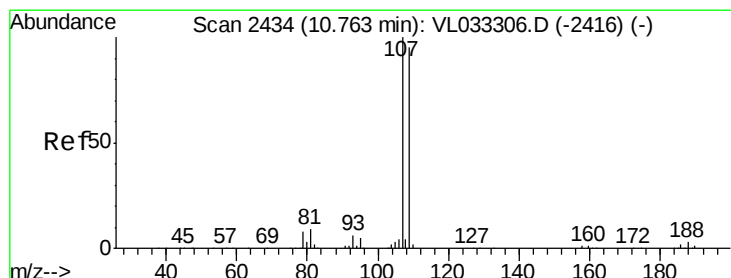
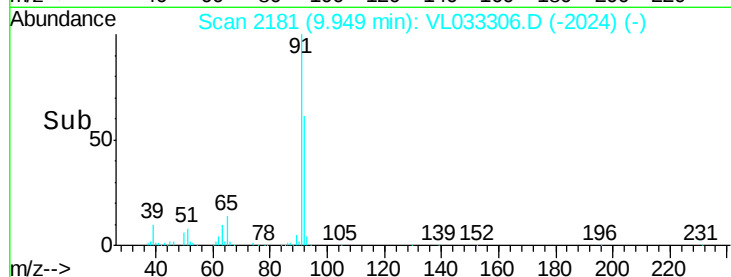
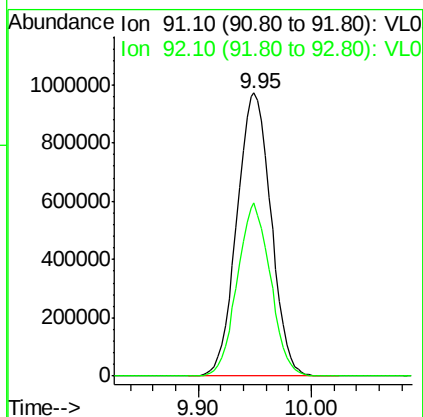
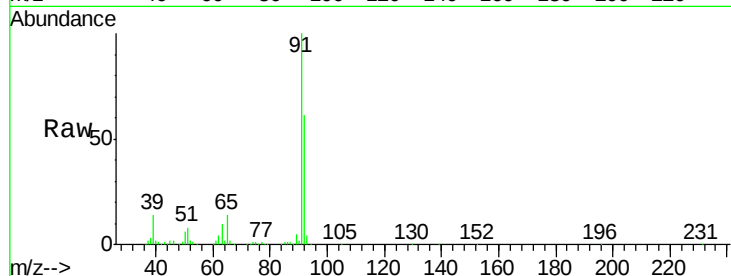
92 59.5 47.4 71.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.373 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033306.D

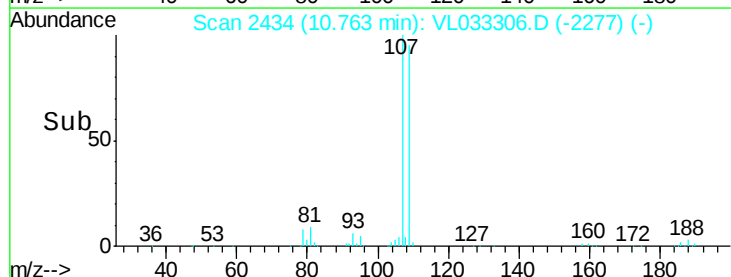
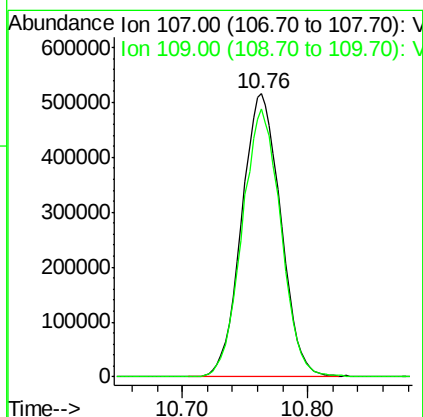
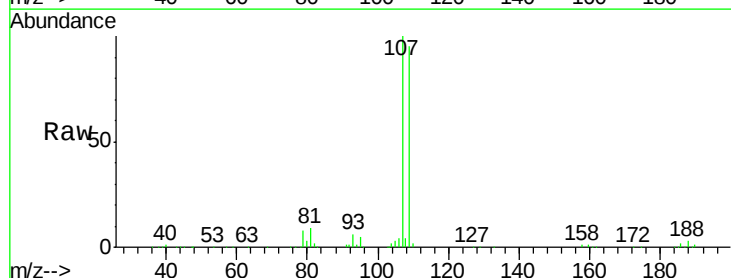
Acq: 13 Mar 2019 23:21

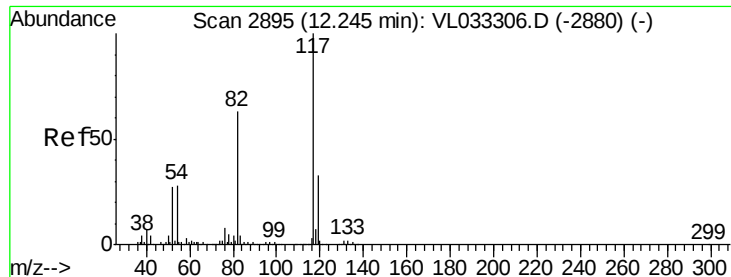
Tgt Ion: 107 Resp: 1115381

Ion Ratio Lower Upper

107 100

109 94.7 74.3 111.5





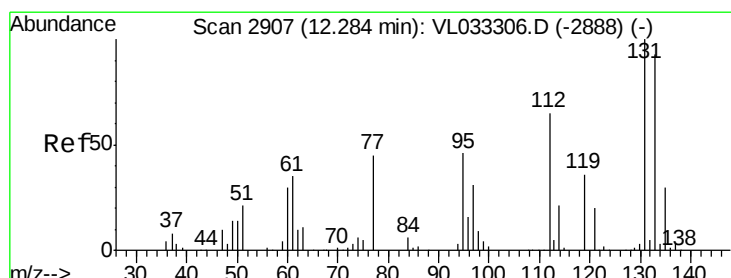
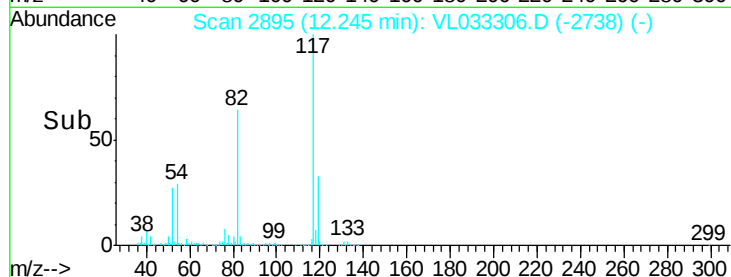
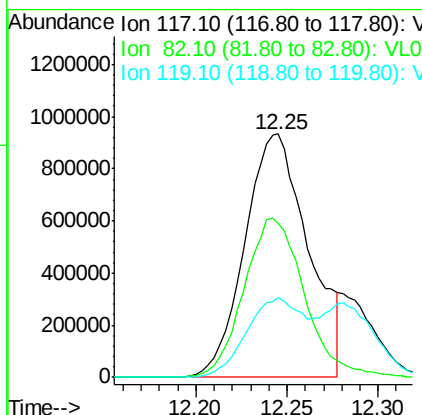
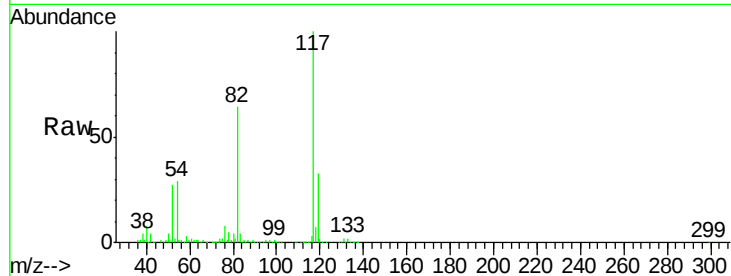
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2263575
Ion Ratio Lower Upper
117 100
82 62.5 51.3 76.9
119 30.5 27.0 40.4

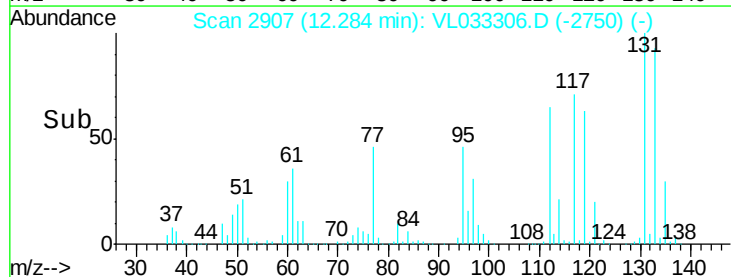
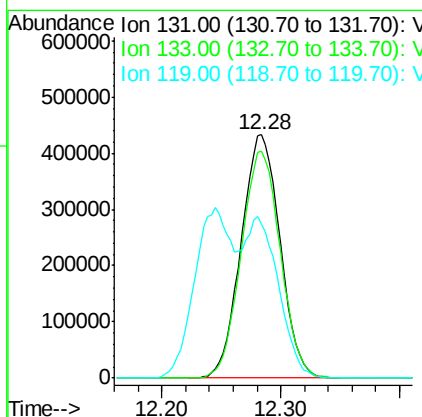
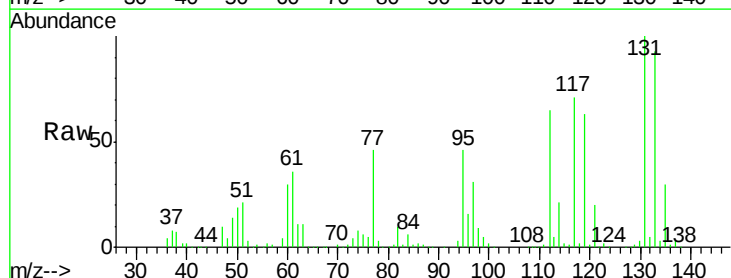
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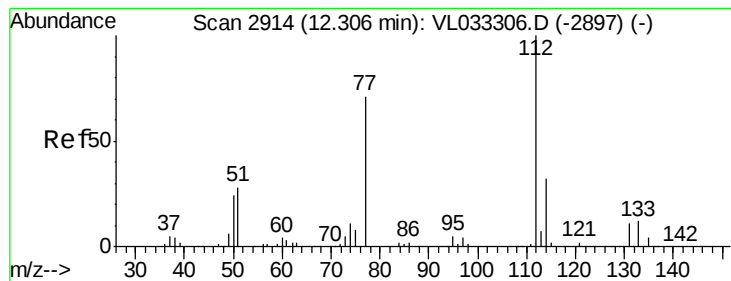
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.579 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion:131 Resp: 978544
Ion Ratio Lower Upper
131 100
133 94.1 75.3 112.9
119 59.0 45.0 67.4





#57

Chlorobenzene

Concen: 9.065 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 112 Resp: 1667367

Ion Ratio Lower Upper

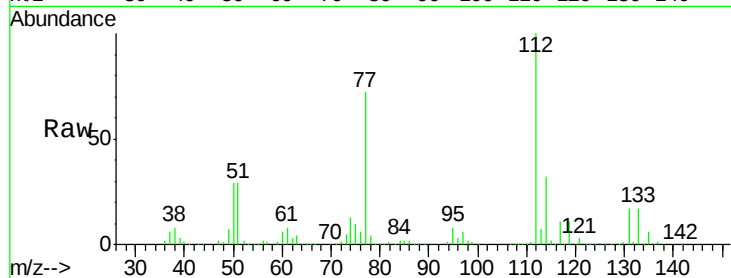
112 100

77 71.9 54.7 82.1

114 32.1 29.6 36.2

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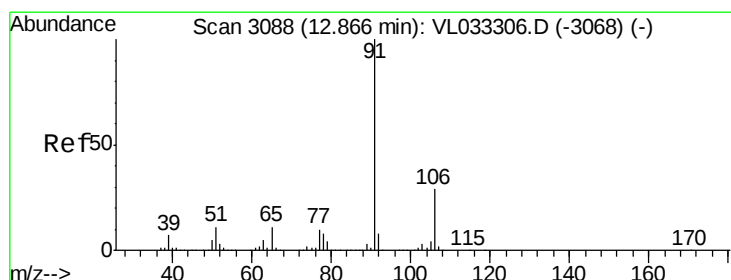
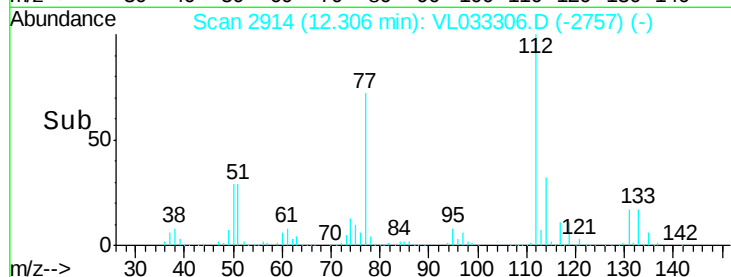
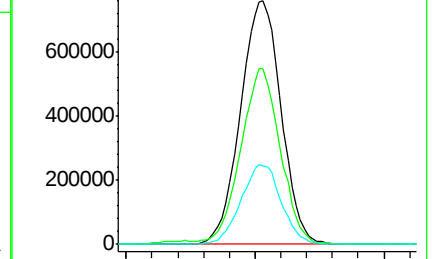
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.685 ppbv

RT: 12.87 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL033306.D

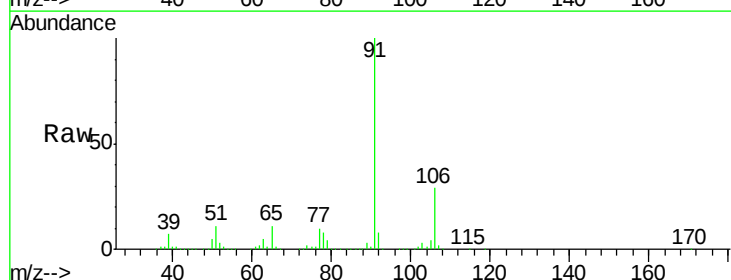
Acq: 13 Mar 2019 23:21

Tgt Ion: 91 Resp: 3167272

Ion Ratio Lower Upper

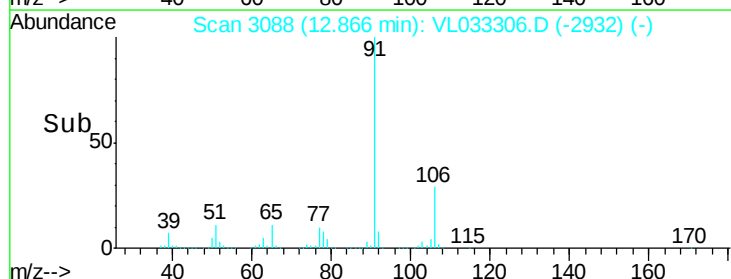
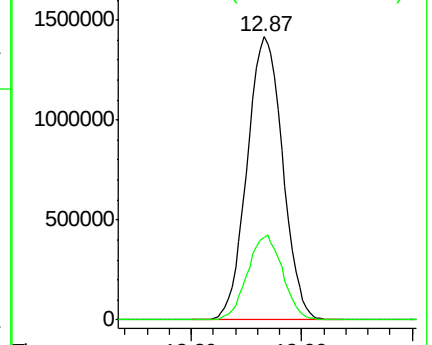
91 100

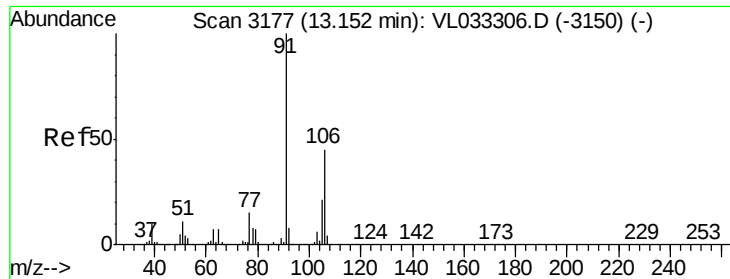
106 29.3 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





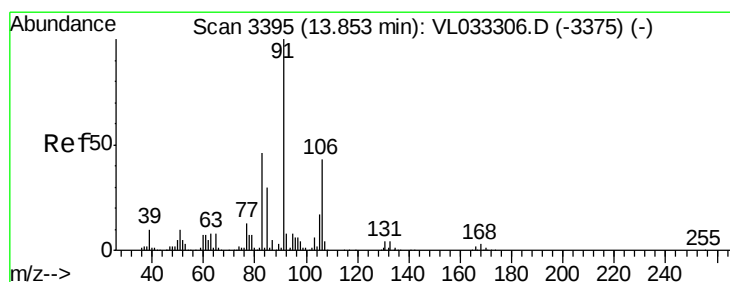
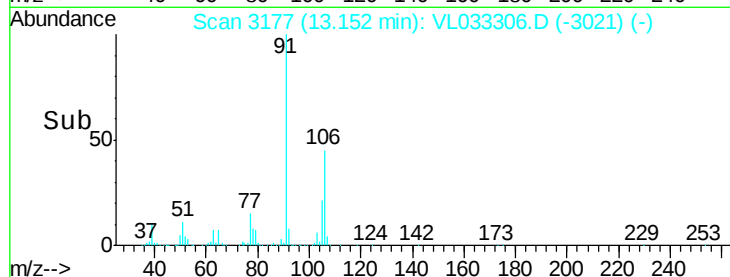
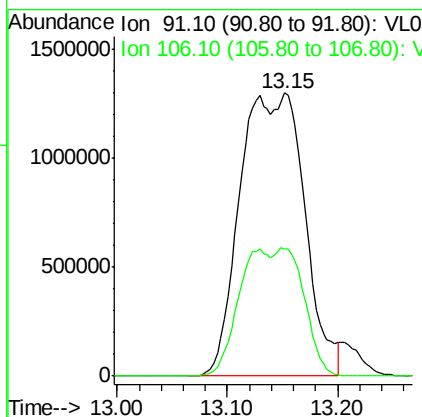
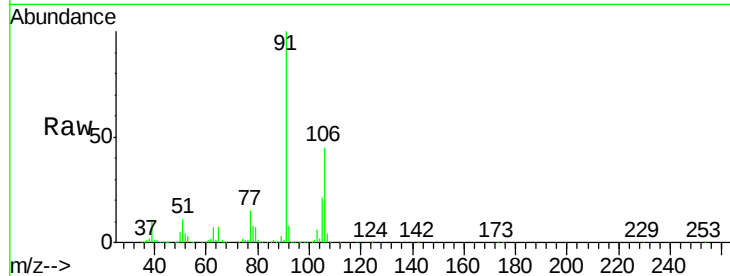
#59
m/p-Xylene
Concen: 19.175 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 5265103
Ion Ratio Lower Upper
91 100
106 44.5 0.0 0.0#

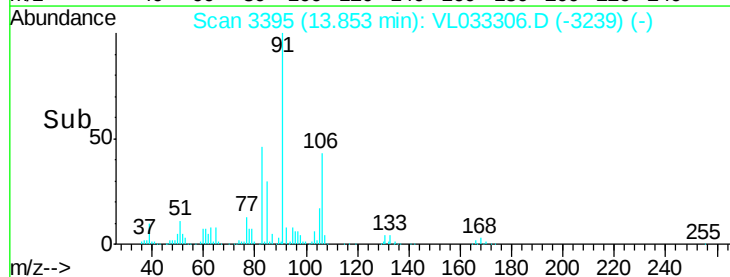
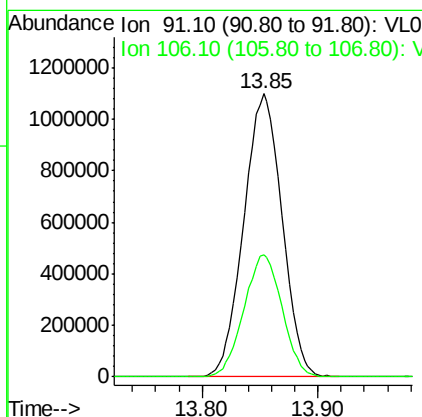
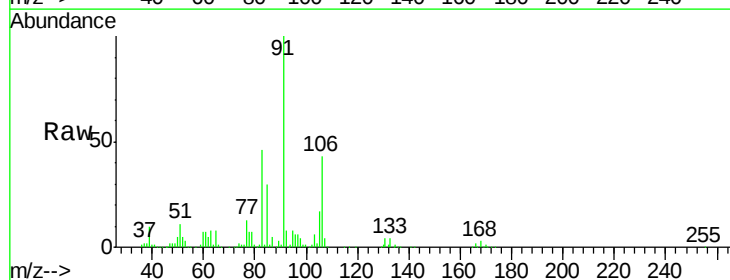
Manual Integrations
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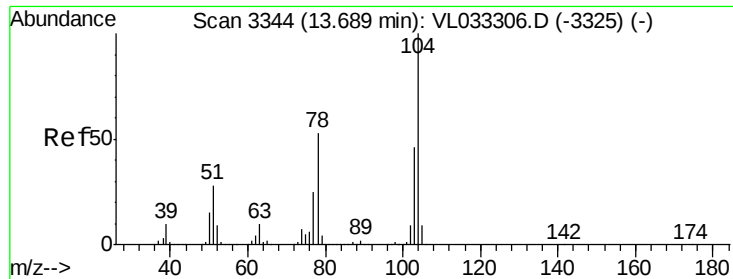
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#60
o-Xylene
Concen: 9.556 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 91 Resp: 2527674
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3





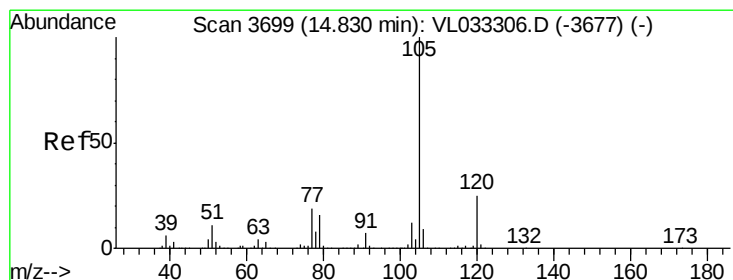
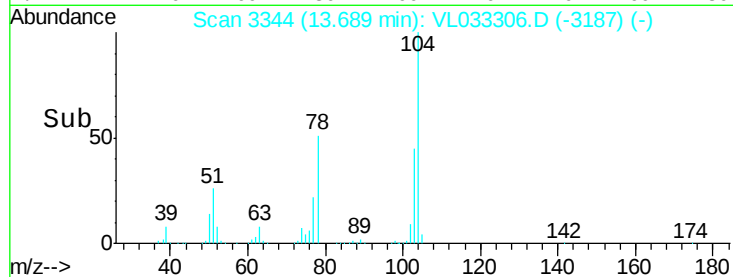
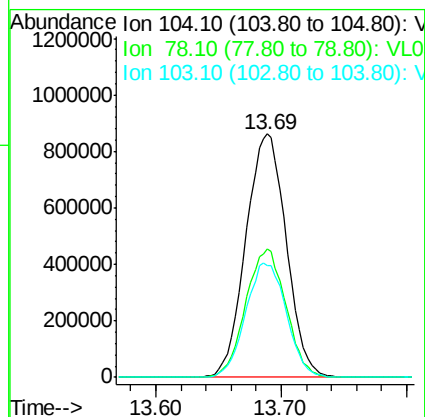
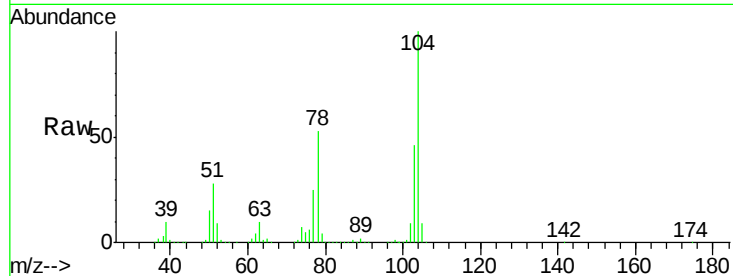
#61
Styrene
Concen: 10.397 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.5	43.3	64.9
103	47.4	38.2	57.2

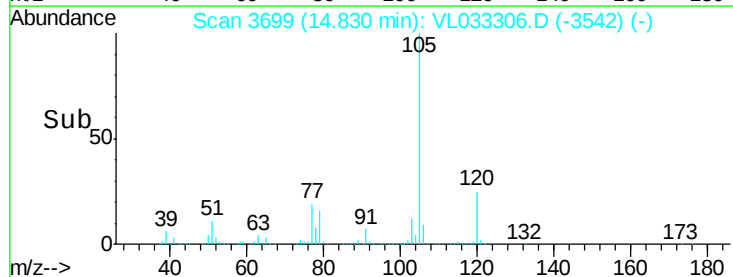
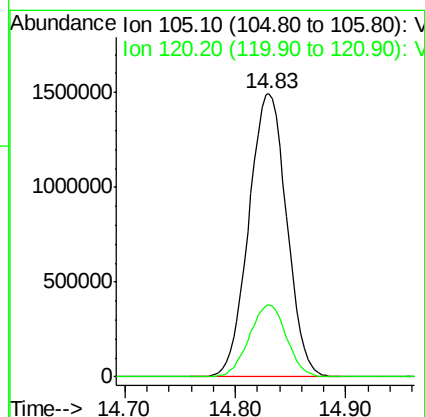
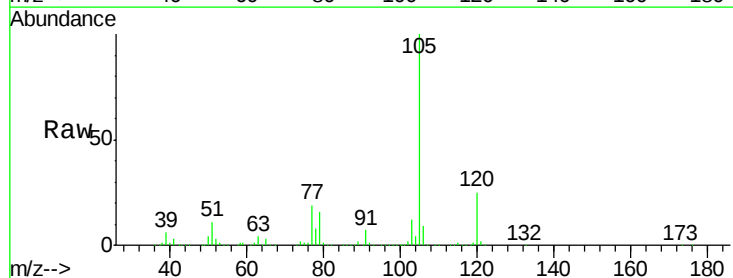
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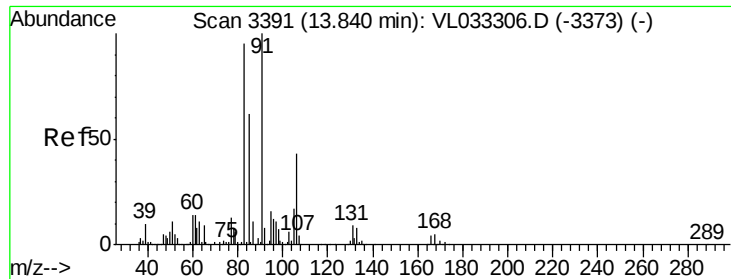
MMDadoda
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#62
Isopropylbenzene
Concen: 9.580 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.9	29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.099 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 1722719

Ion Ratio Lower Upper

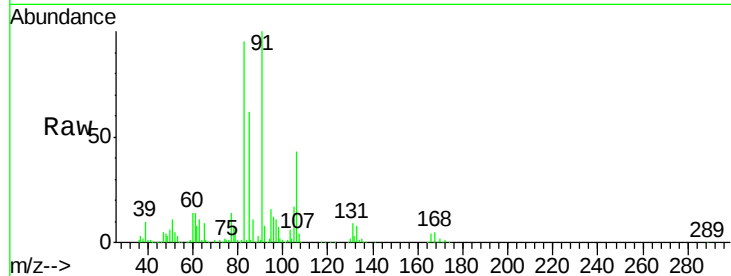
83 100

131 9.4 4.6 13.8

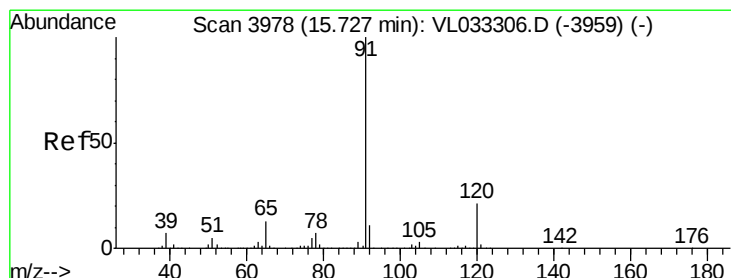
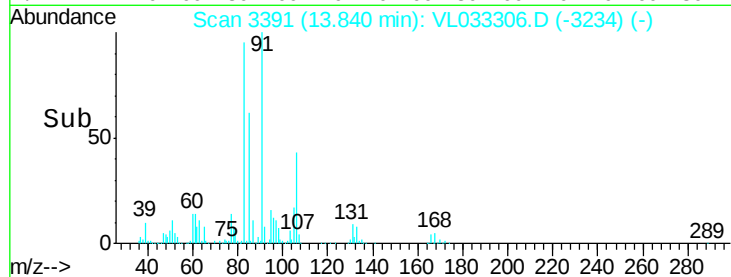
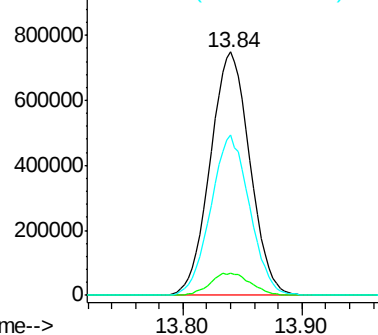
85 65.0 32.5 97.4

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



#64

n-propylbenzene

Concen: 9.920 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033306.D

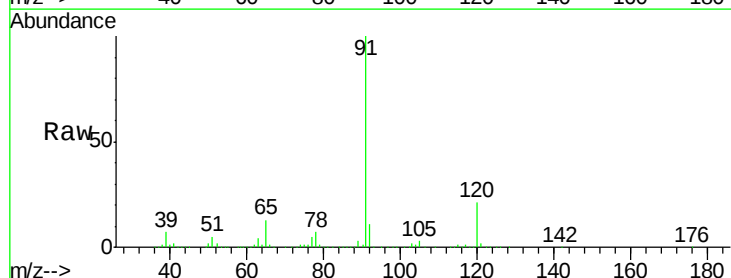
Acq: 13 Mar 2019 23:21

Tgt Ion: 120 Resp: 910225

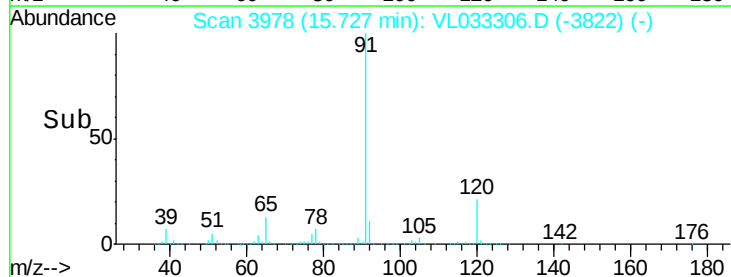
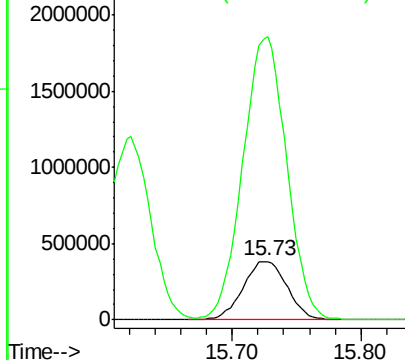
Ion Ratio Lower Upper

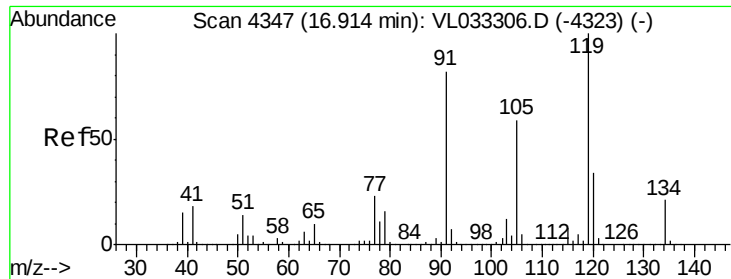
120 100

91 483.2 393.7 590.5



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





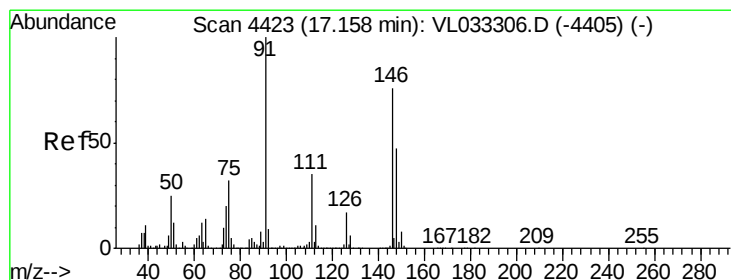
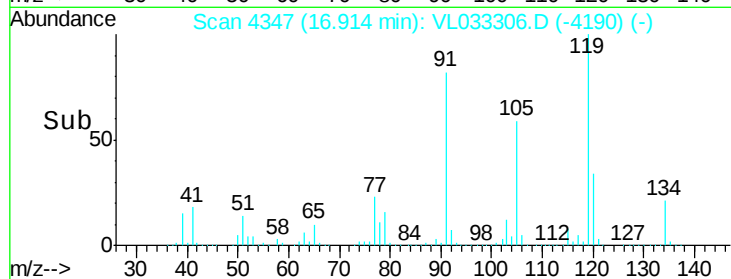
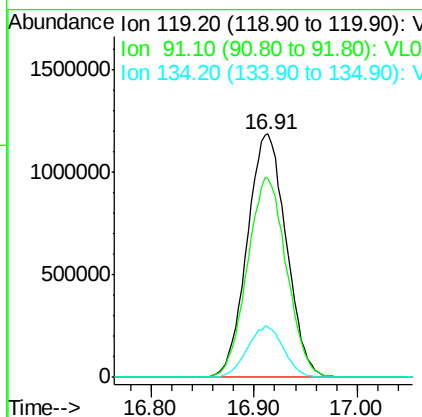
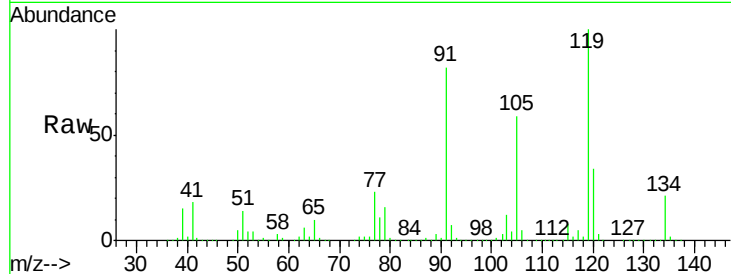
#65
tert-Butylbenzene
Concen: 9.968 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 3117713
Ion Ratio Lower Upper
119 100
91 82.5 66.4 99.6
134 19.5 15.4 23.2

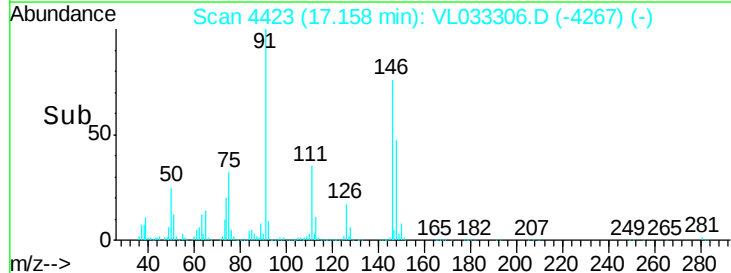
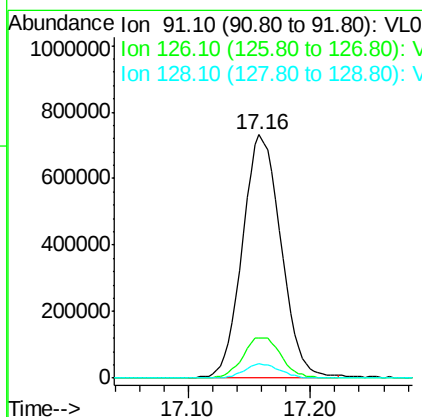
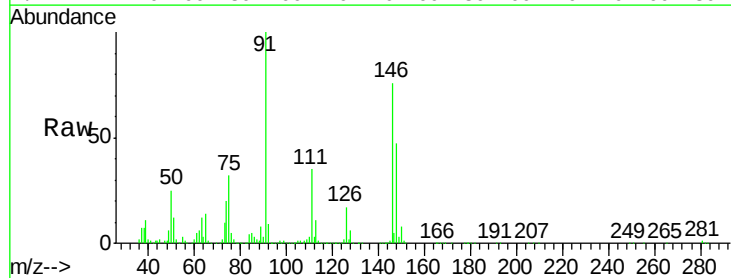
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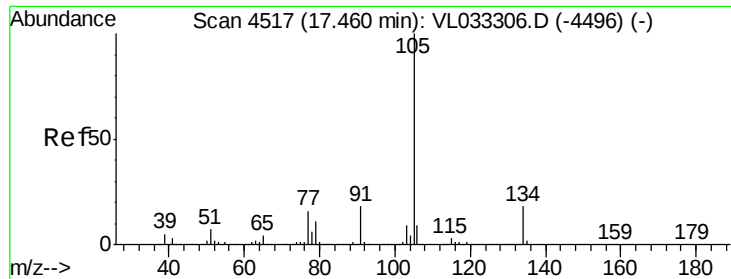
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#66
Benzyl Chloride
Concen: 13.066 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 91 Resp: 1594125
Ion Ratio Lower Upper
91 100
126 16.6 12.9 19.3
128 5.4 4.2 6.2





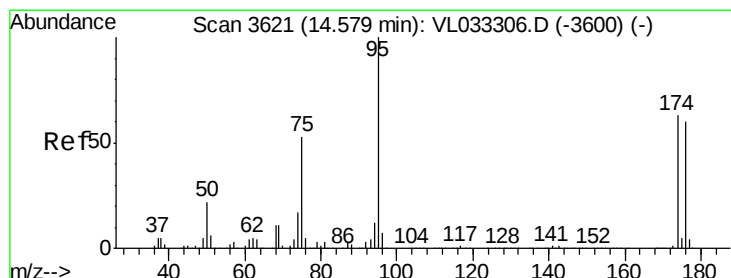
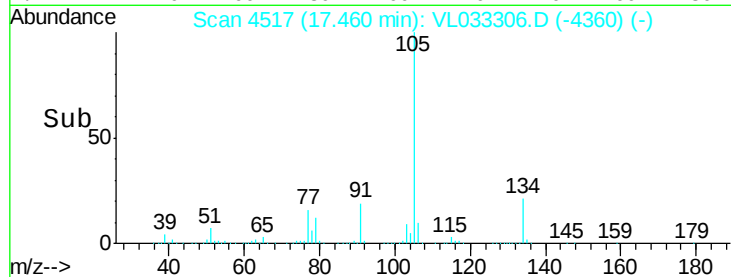
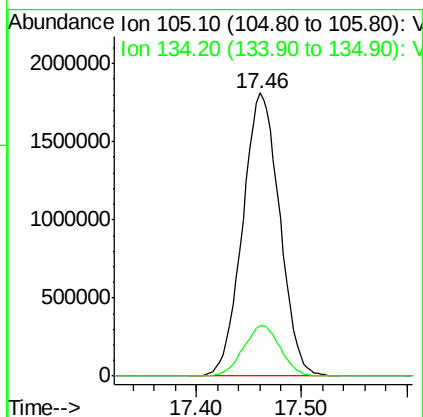
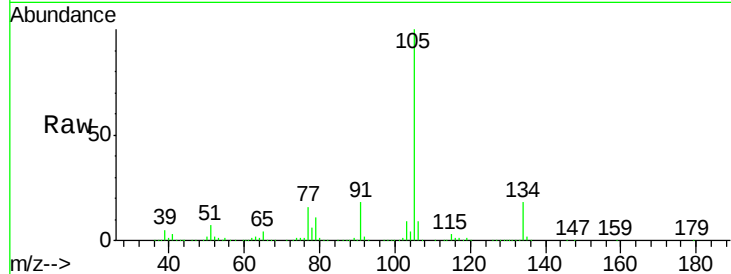
#67
 sec-Butylbenzene
 Concen: 9.792 ppbv
 RT: 17.46 min Scan# 4517
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 105 Resp: 4419215
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.2 21.2

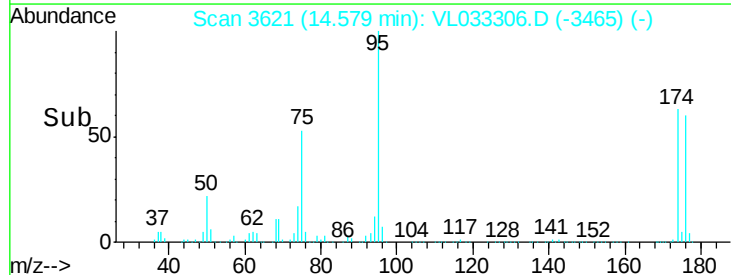
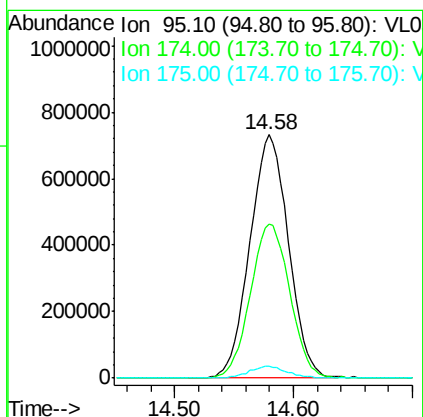
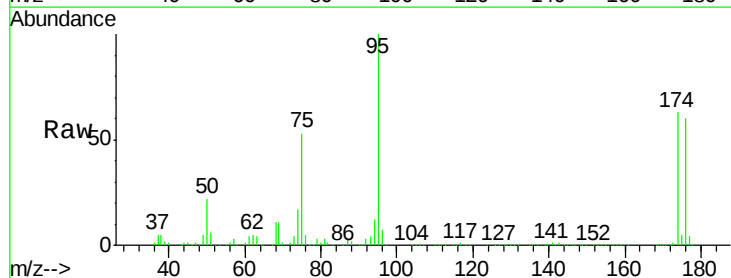
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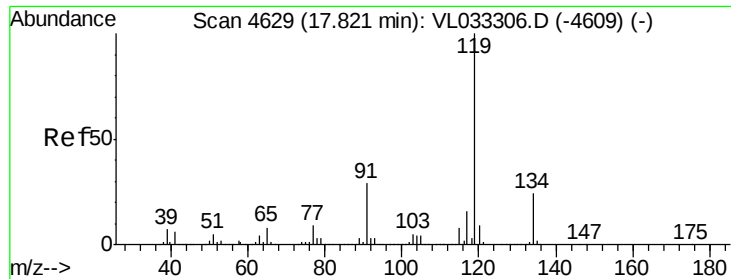
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.370 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion: 95 Resp: 1642103
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.9 77.9
 175 4.8 3.9 5.9





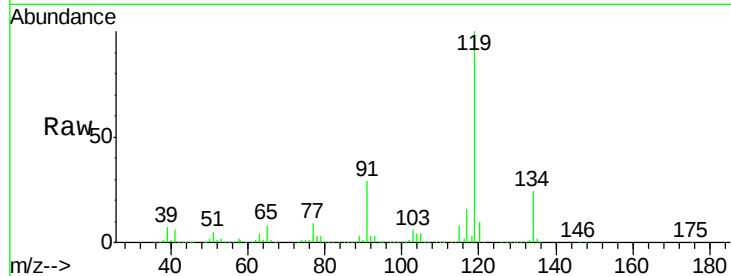
#69
p-Isopropyltoluene
Concen: 10.082 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

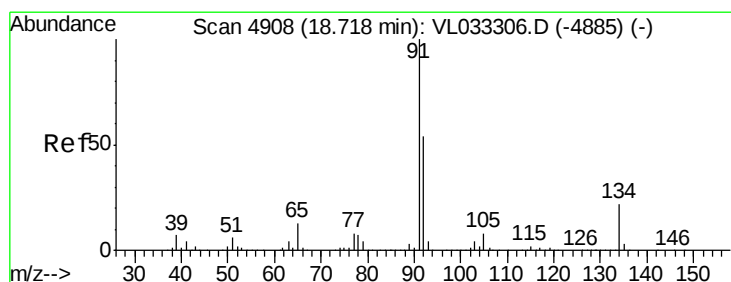
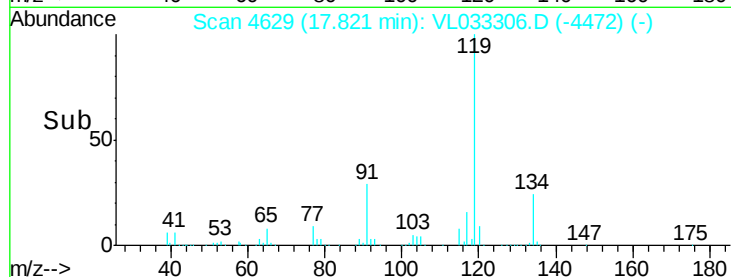
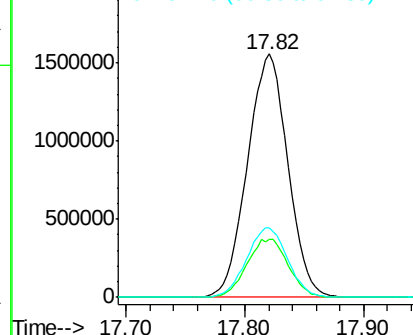
Tgt Ion: 119 Resp: 3644784
Ion Ratio Lower Upper
119 100
134 24.7 19.8 29.6
91 29.0 23.8 35.8

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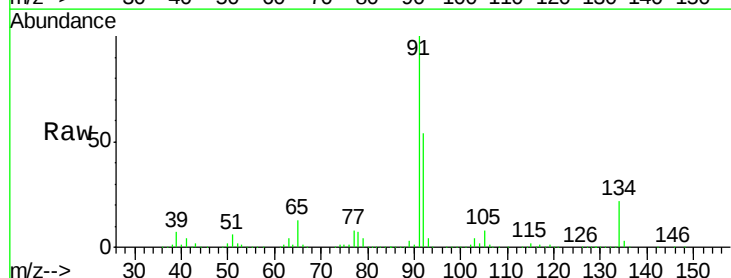


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

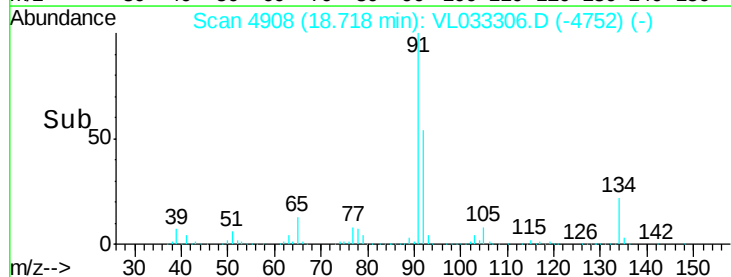
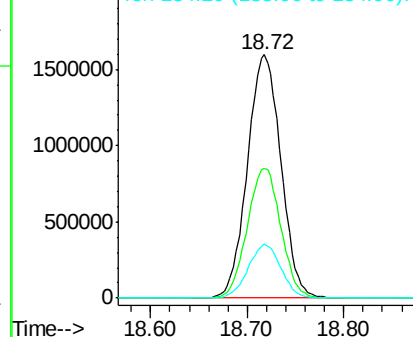


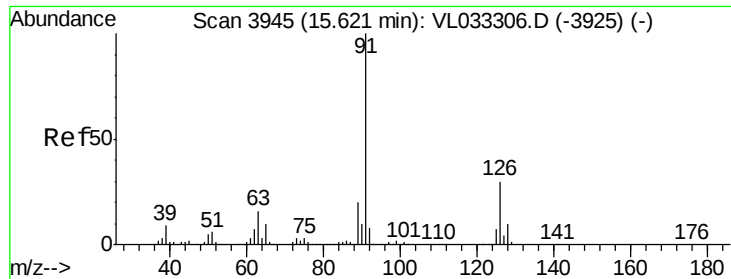
#70
n-Butylbenzene
Concen: 10.074 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion: 91 Resp: 3840084
Ion Ratio Lower Upper
91 100
92 53.6 42.6 63.8
134 21.7 17.4 26.0



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





#71

2-Chlorotoluene

Concen: 9.978 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 2764204

Ion Ratio Lower Upper

91 100

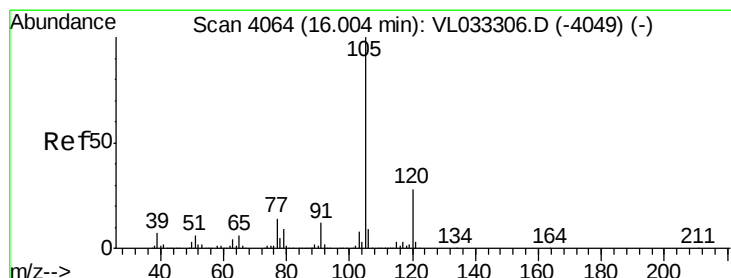
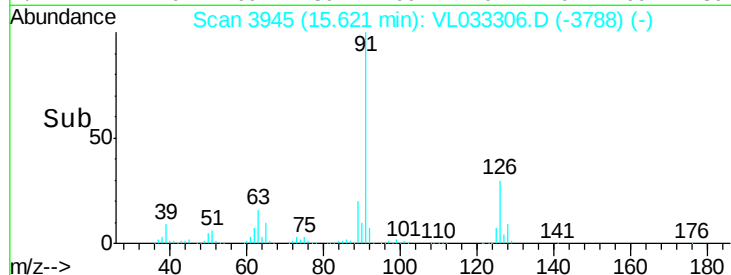
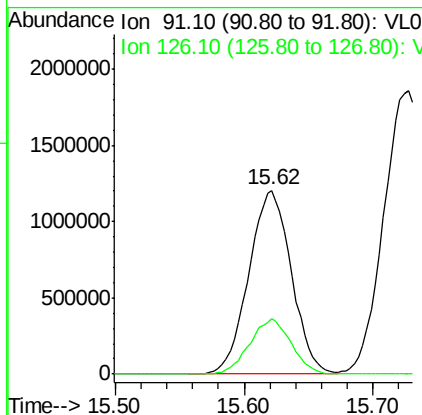
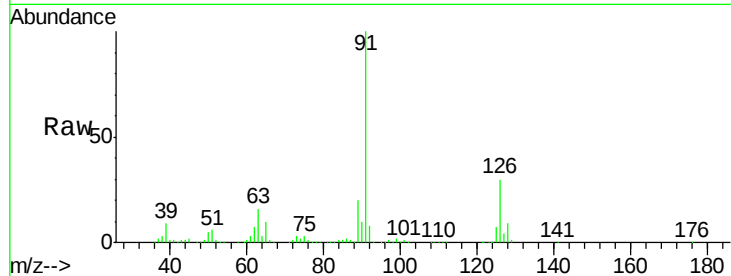
126 29.3 11.8 47.0

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#72

4-Ethyltoluene

Concen: 10.333 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Tgt Ion: 105 Resp: 2919895

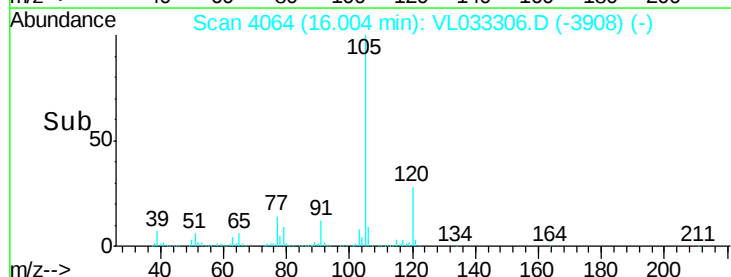
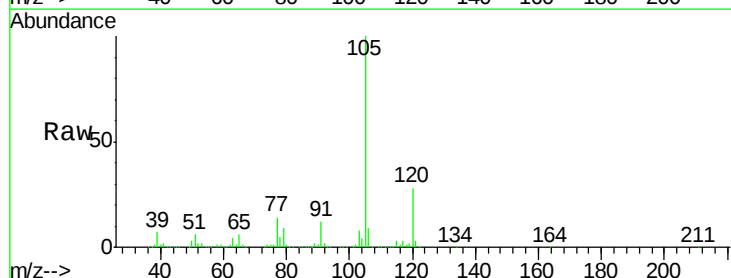
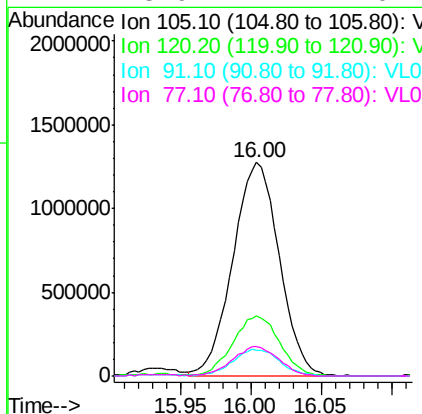
Ion Ratio Lower Upper

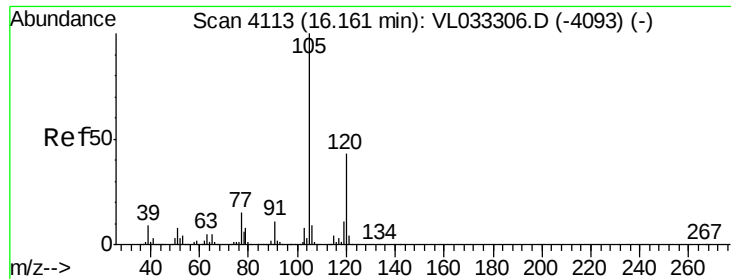
105 100

120 28.6 22.7 34.1

91 12.8 10.3 15.5

77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.652 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tgt Ion:105 Resp: 2818846

Ion Ratio Lower Upper

105 100

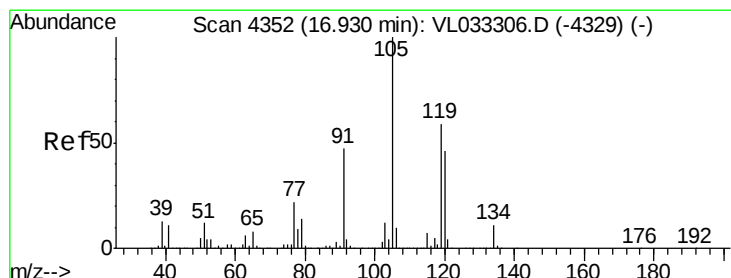
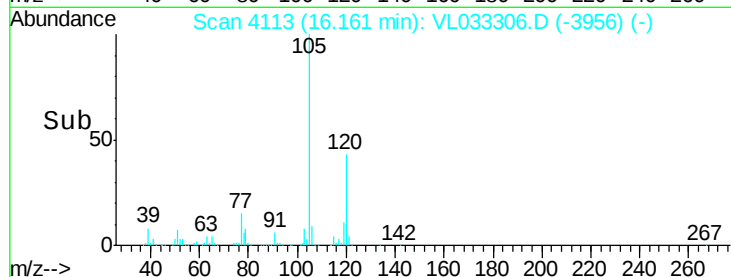
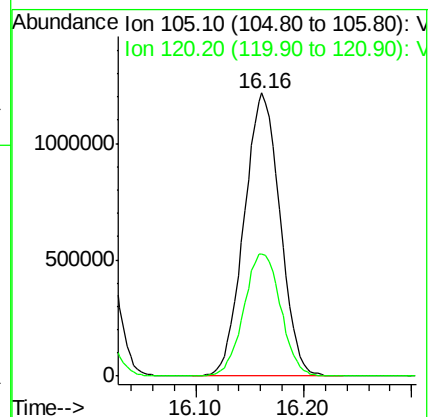
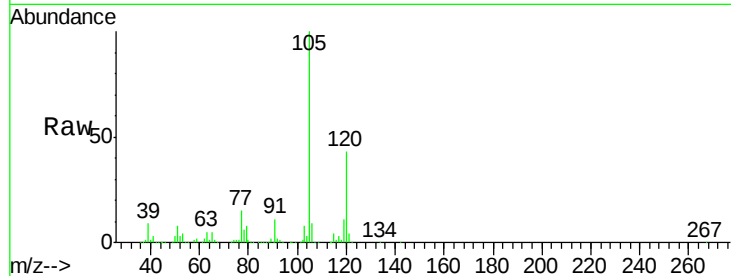
120 43.0 34.6 52.0

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#74

1,2,4-Trimethylbenzene

Concen: 10.465 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL033306.D

Acq: 13 Mar 2019 23:21

Tgt Ion:105 Resp: 2840684

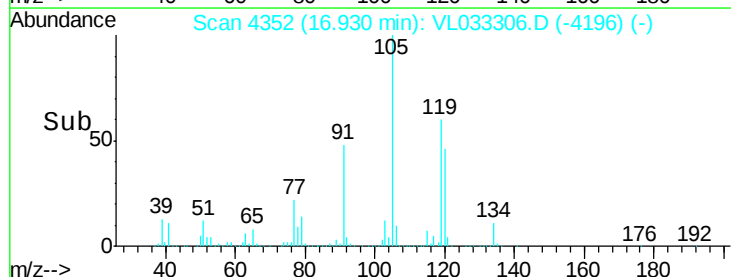
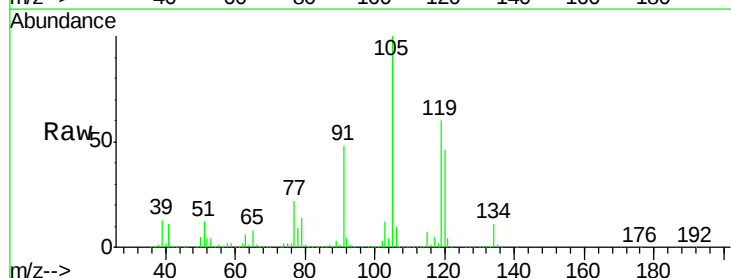
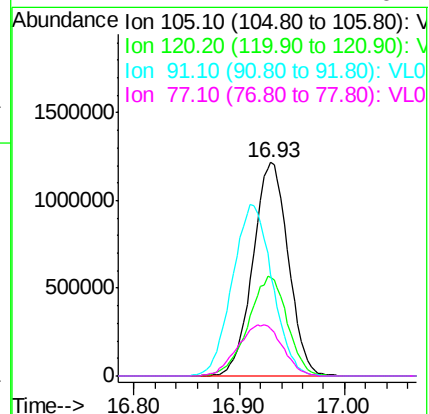
Ion Ratio Lower Upper

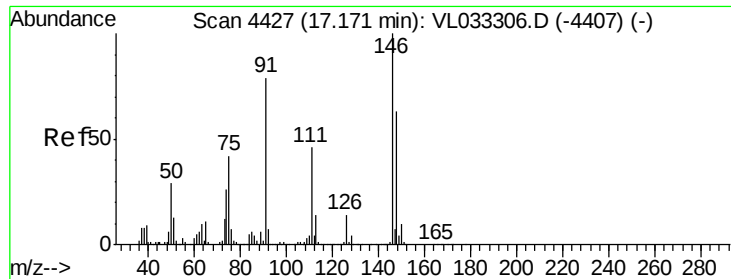
105 100

120 46.4 35.2 52.8

91 47.5 34.0 51.0

77 22.1 17.4 26.2





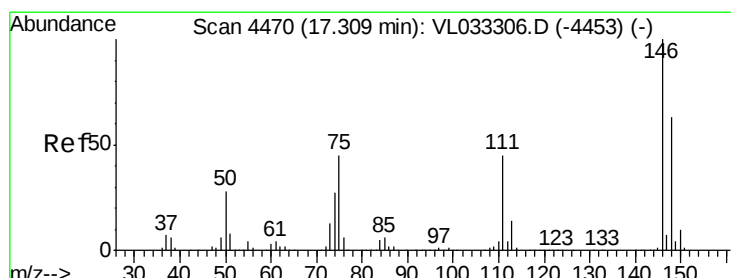
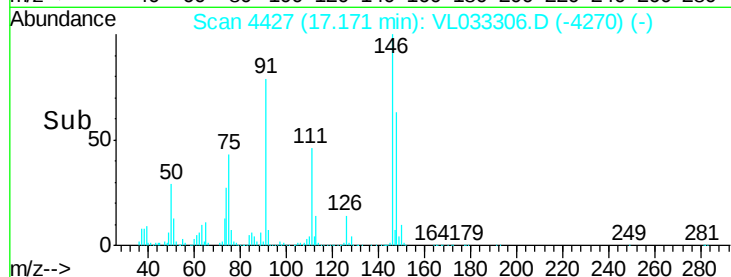
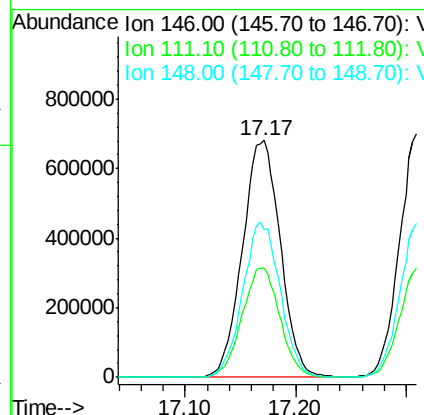
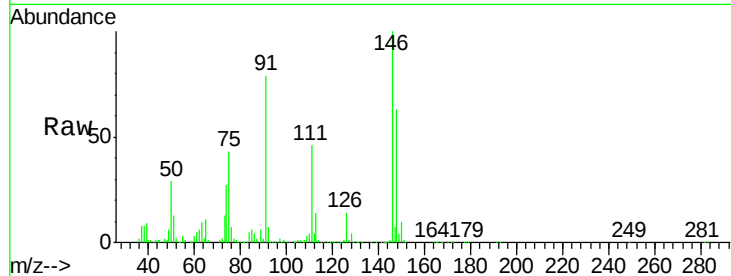
#75
 1,3-Dichlorobenzene
 Concen: 9.557 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 1623290
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.9 68.7
 148 64.8 32.4 97.0

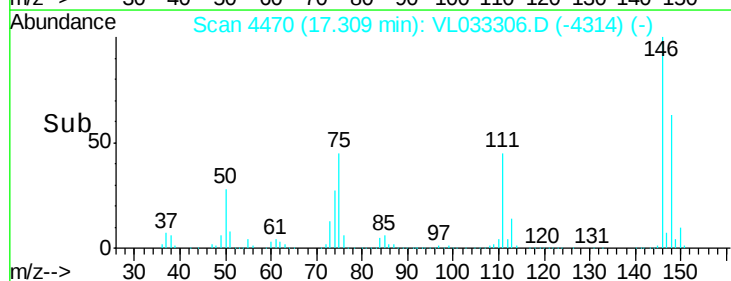
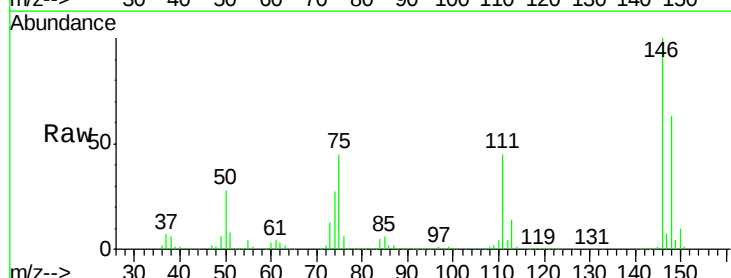
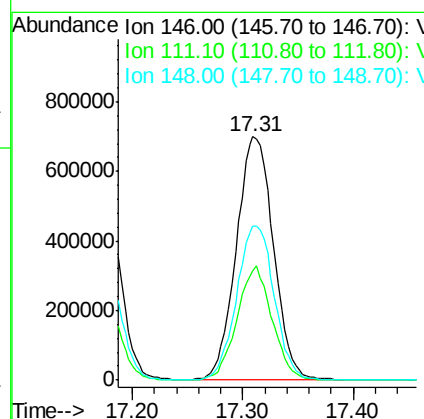
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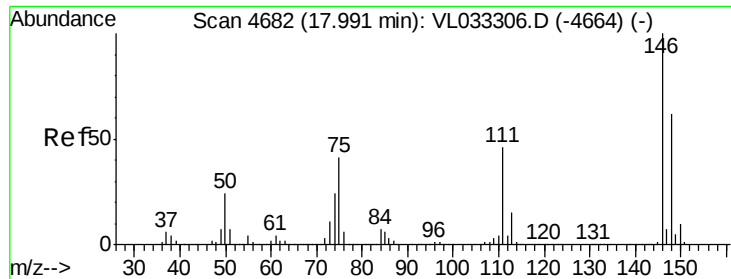
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#76
 1,4-Dichlorobenzene
 Concen: 9.752 ppbv
 RT: 17.31 min Scan# 4470
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion:146 Resp: 1627365
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.9 65.5
 148 64.7 31.8 95.4





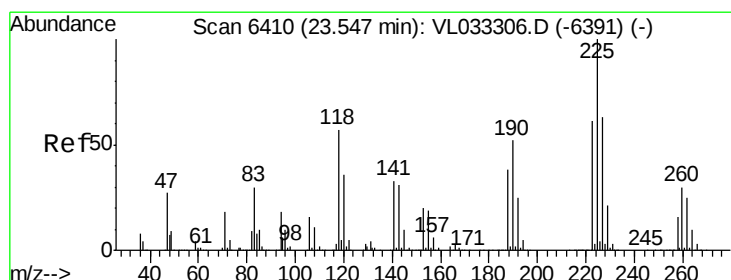
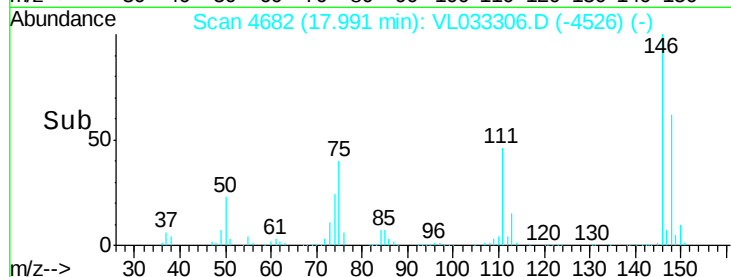
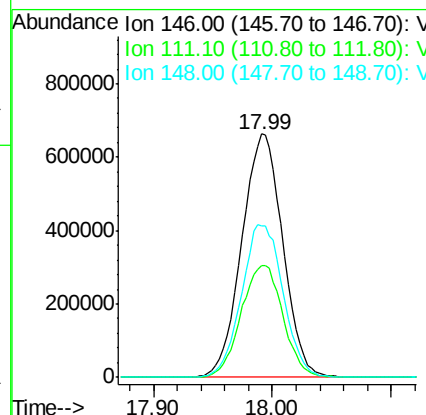
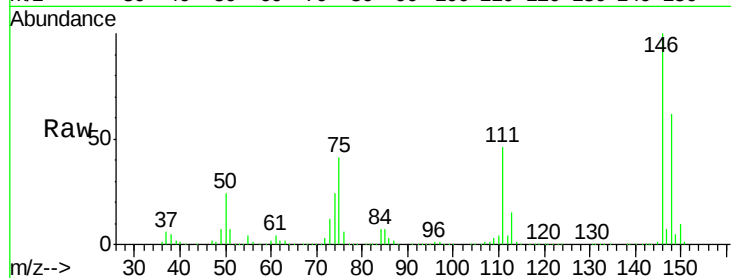
#77
 1,2-Dichlorobenzene
 Concen: 9.471 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 1579354
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.2 69.6
 148 63.9 32.0 96.0

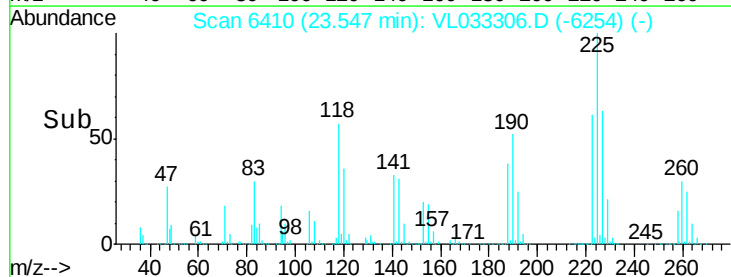
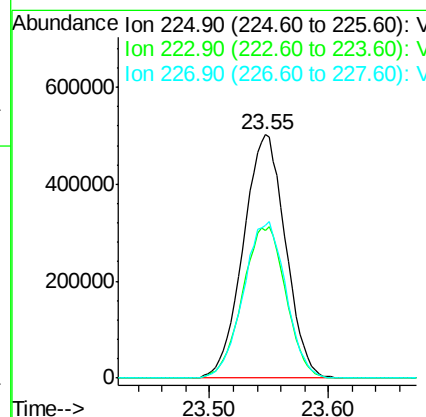
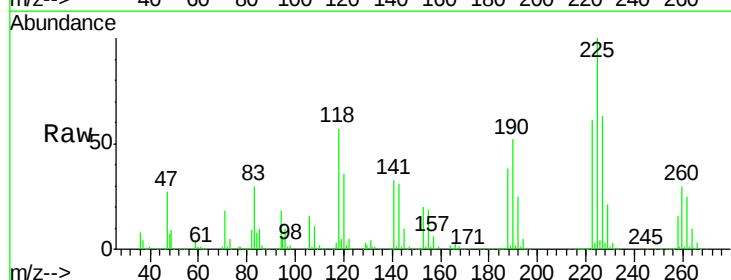
Manual Integrations
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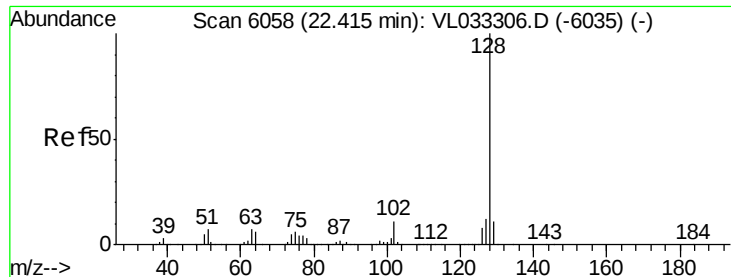
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.204 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. 0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Tgt Ion:225 Resp: 1233612
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 64.6 51.2 76.8





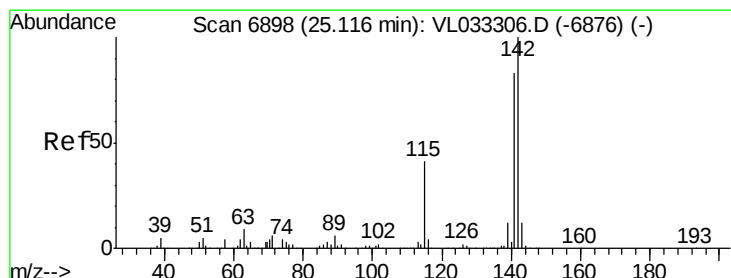
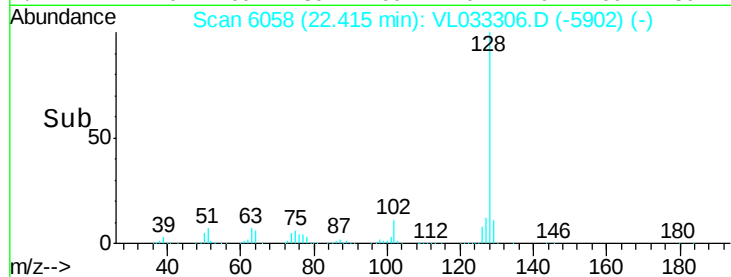
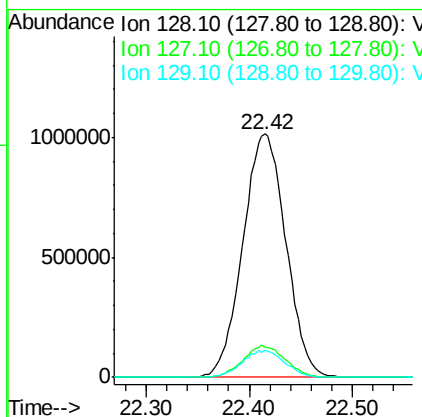
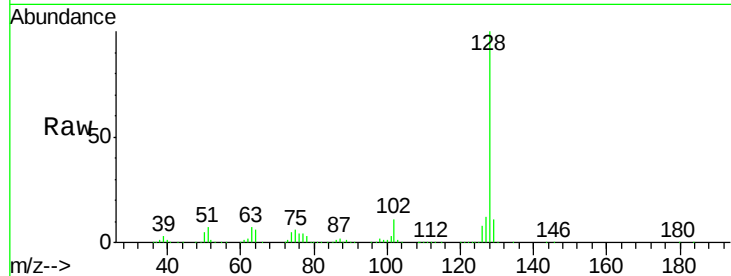
#79
Naphthalene
Concen: 11.737 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.8	16.2
129	11.2	8.9	13.3

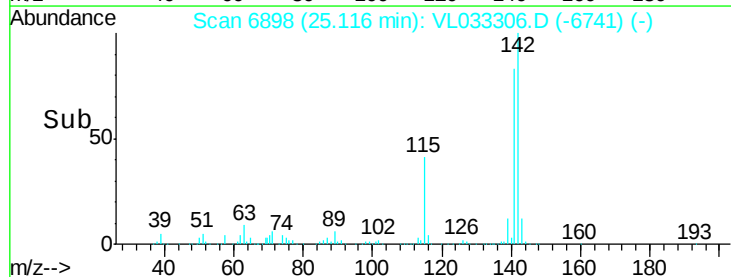
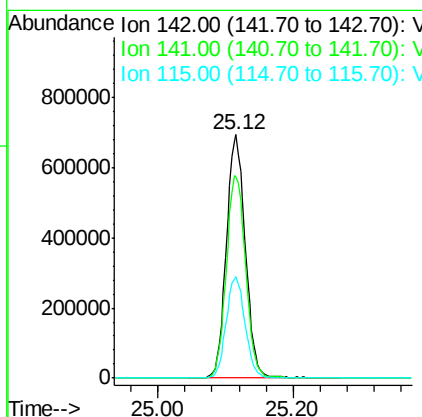
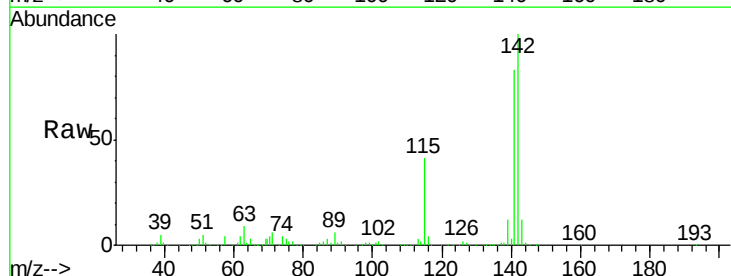
Manual Integrations
APPROVED

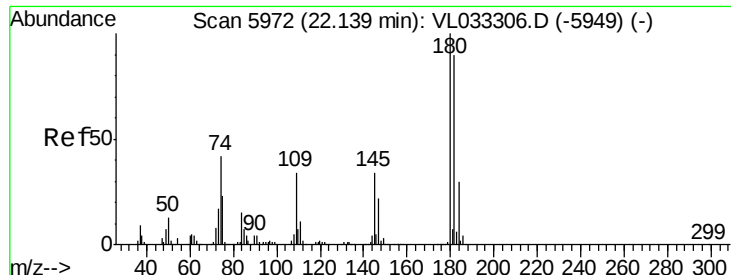
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#80
Naphthalene, 2-methyl-
Concen: 19.529 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033306.D
Acq: 13 Mar 2019 23:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.2	100.8
115	41.4	33.6	50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.752 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033306.D
 Acq: 13 Mar 2019 23:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
184	30.8	24.6	36.8

Manual Integrations
 APPROVED

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