

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033307.D
 Acq On : 14 Mar 2019 2:34
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:41:56 PM

Quant Time: Mar 15 02:11:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 15 02:11:49 2019
 QLast Update : Thu Mar 14 00:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	768864	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1832069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2279597m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1616419	9.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1161076	8.161	ppbv	99
3) Chlorodifluoromethane	3.01	51	916764	9.141	ppbv	100
4) Chloromethane	3.17	50	489386	9.013	ppbv	99
5) Vinyl Chloride	3.29	62	484122	8.907	ppbv	98
6) Bromomethane	3.51	94	309907	9.470	ppbv	99
7) Chloroethane	3.60	64	190376	9.783	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1190147	9.161	ppbv	98
9) Propene	3.04	41	418322	9.242	ppbv	100
10) Heptane	8.25	43	1035595	9.359	ppbv	99
11) Trichlorofluoromethane	4.00	101	1324219	9.264	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	880031	9.132	ppbv	100
13) Ethanol	3.65	45	98453m	7.106	ppbv	
14) Bromoethene	3.79	108	393723	9.829	ppbv	99
15) Acetone	3.90	43	853749	8.076	ppbv	100
16) 1,3-Butadiene	3.36	39	391550	9.045	ppbv	87
17) tert-Butyl alcohol	4.36	59	163586	8.872	ppbv	100
18) 1,1-Dichloroethene	4.35	96	380912	8.949	ppbv	96
19) Isopropyl Alcohol	4.02	45	587588	9.086	ppbv	100
20) Methylene Chloride	4.41	84	334656	7.819	ppbv	97
21) Allyl Chloride	4.48	41	616046	9.652	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	397192	9.250	ppbv	94
23) Vinyl Acetate	5.16	43	1479641	9.640	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1005520	9.056	ppbv	99
25) Ethyl Acetate	5.77	43	1751559	9.095	ppbv	99
26) Hexane	5.78	57	779175	8.659	ppbv	99
27) Carbon Disulfide	4.62	76	996133	10.352	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1227947	9.493	ppbv	99
29) Chloroform	5.85	83	1291053	9.230	ppbv	98
30) Cyclohexane	7.25	84	660129	9.450	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	809853	9.347	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1273195	9.379	ppbv	100
34) 2-Butanone	5.33	43	1136200	8.970	ppbv	99
35) Carbon Tetrachloride	7.14	117	1327141	9.423	ppbv	98
36) Benzene	7.01	78	1652939	9.187	ppbv	98
37) 1,2-Dichloroethane	6.42	62	990722	9.217	ppbv	99
38) Trichloroethene	7.96	130	617806	8.684	ppbv	96
39) 1,2-Dichloropropane	7.74	63	629589	9.112	ppbv	99
40) 1,4-Dioxane	7.95	88	225864	9.046	ppbv	78
41) Tetrahydrofuran	6.15	42	661478	9.413	ppbv	99
42) Bromodichloromethane	7.92	83	1429676	9.489	ppbv	99
43) Methyl Methacrylate	8.14	69	670857	9.365	ppbv	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2741228	8.911	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	897647	10.685	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1030177	10.178	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	673099	9.101	ppbv	98
48) Dibromochloromethane	10.45	129	1187031	9.756	ppbv	100
49) Bromoform	13.20	173	1186939	11.260	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1692719	9.223	ppbv	100
51) 2-Hexanone	10.27	43	1335079	9.528	ppbv #	100
52) Tetrachloroethene	11.37	164	681238	9.217	ppbv	94
53) Toluene	9.95	91	1945712	9.444	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1075252	9.107	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.28	131	935109	9.142	ppbv	96
57) Chlorobenzene	12.30	112	1590183	8.640	ppbv	99
58) Ethyl Benzene	12.87	91	3008971	9.195	ppbv	99
59) m/p-Xylene	13.15	91	5009811m	18.207	ppbv	
60) o-Xylene	13.85	91	2442381	9.202	ppbv	100
61) Styrene	13.69	104	1822938	9.788	ppbv	100
62) Isopropylbenzene	14.83	105	3442889	9.221	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1661440	8.685	ppbv	100
64) n-propylbenzene	15.73	120	874668	9.447	ppbv	97
65) tert-Butylbenzene	16.91	119	3031797	9.607	ppbv	99
66) Benzyl Chloride	17.16	91	1544009	12.297	ppbv	99
67) sec-Butylbenzene	17.46	105	4337330	9.559	ppbv	100
69) p-Isopropyltoluene	17.82	119	3567404	9.840	ppbv	100
70) n-Butylbenzene	18.72	91	3757761	9.914	ppbv	100
71) 2-Chlorotoluene	15.62	91	2659224	9.509	ppbv	100
72) 4-Ethyltoluene	16.00	105	2843673	10.002	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2728899	10.208	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	2790278	10.228	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	1578554	9.244	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1586745	9.516	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1550036	9.324	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1207852	9.851	ppbv	100
79) Naphthalene	22.42	128	2891931	12.904	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1381452	22.007	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1445706	11.344	ppbv	99

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

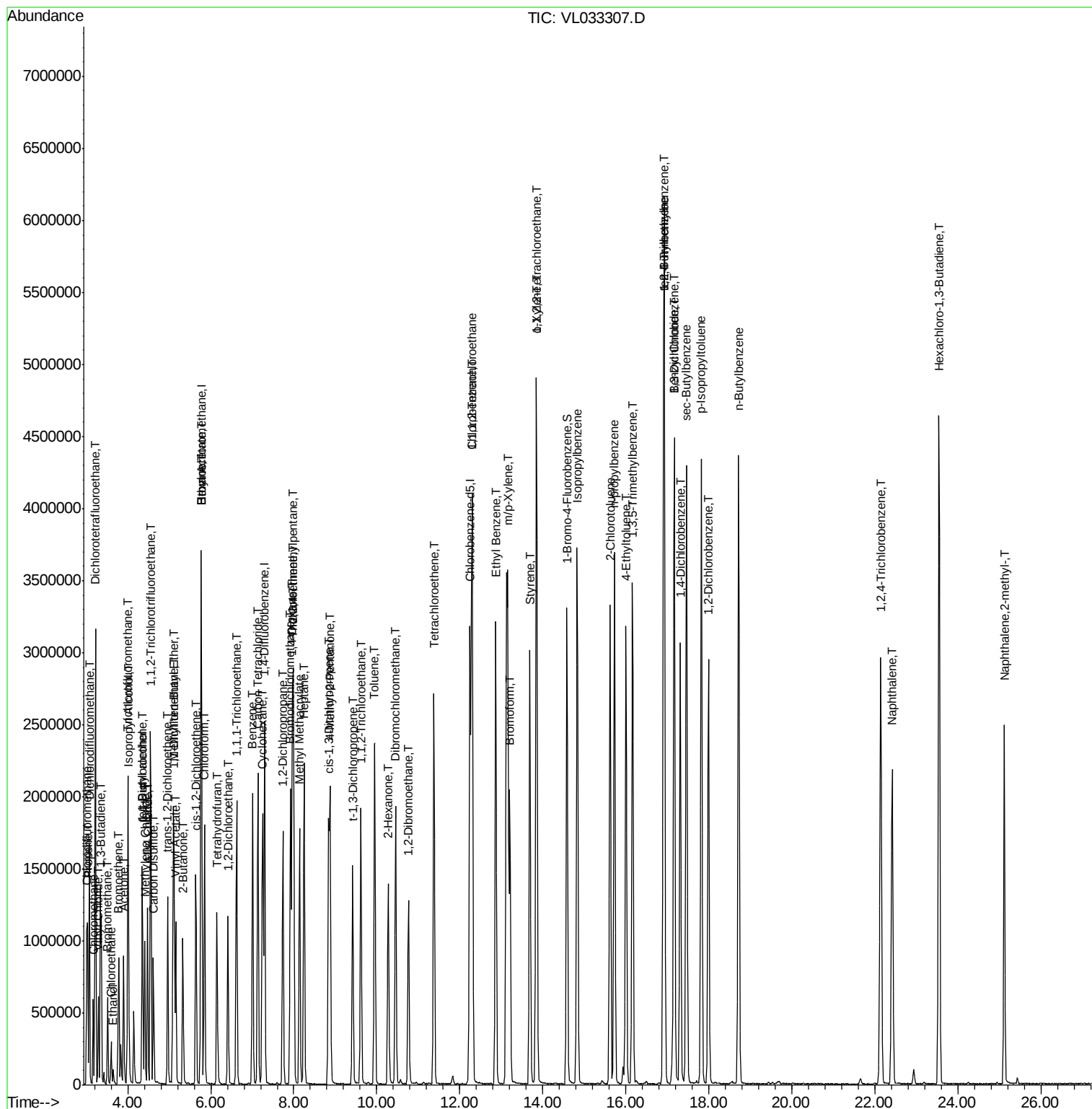
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
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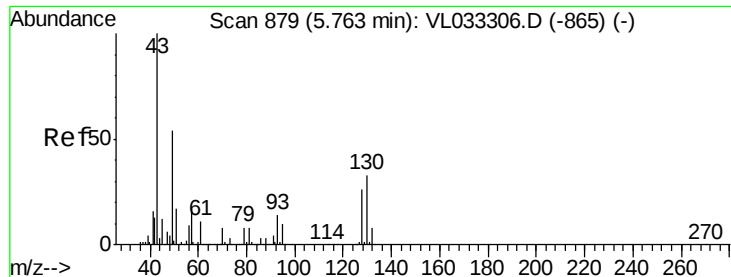
Instrument :
MSVOA_L
ClientSampled :
ICVVL031319

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QLast Update : Thu Mar 14 00:01:31 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

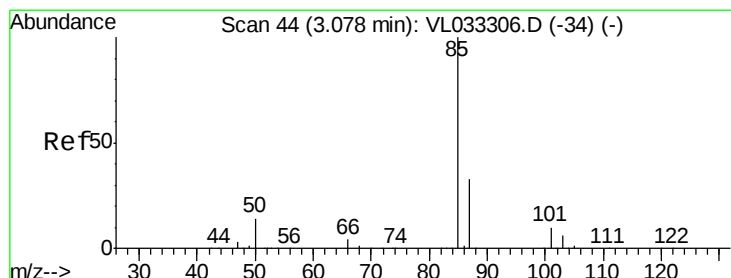
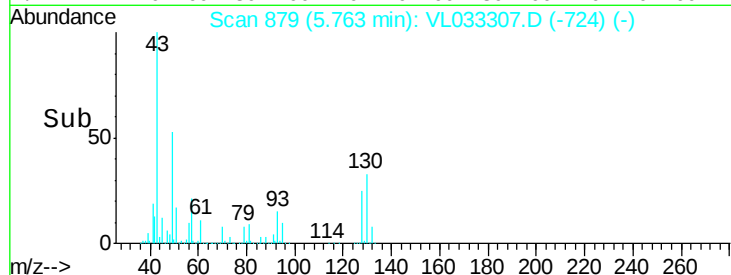
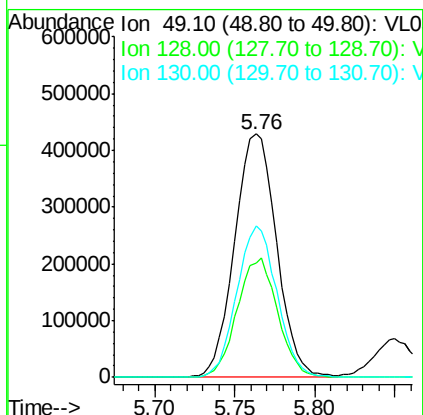
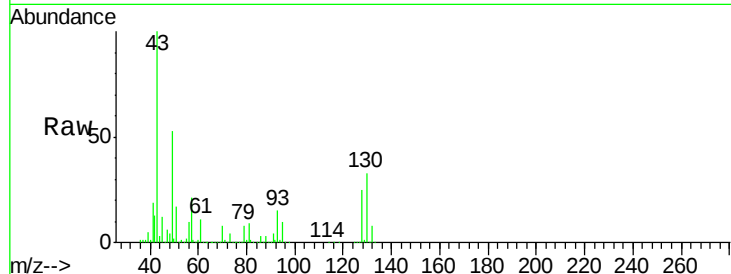
ClientSampleId :

ICVVL031319

Tgt Ion:	49	Resp:	768864
Ion Ratio	Lower	Upper	
49	100		
128	47.4	23.4	70.3
130	59.8	29.9	89.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.161 ppbv

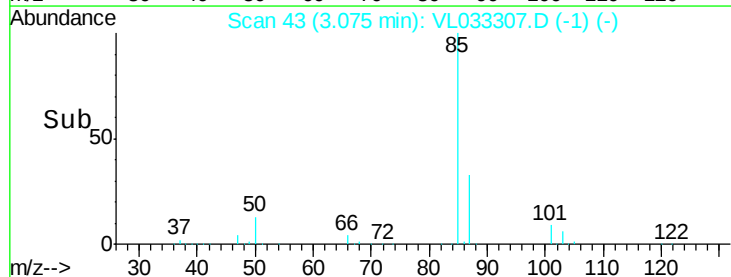
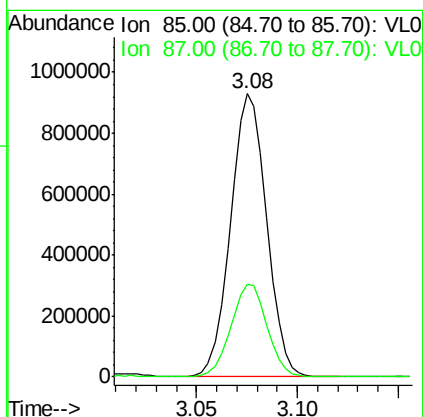
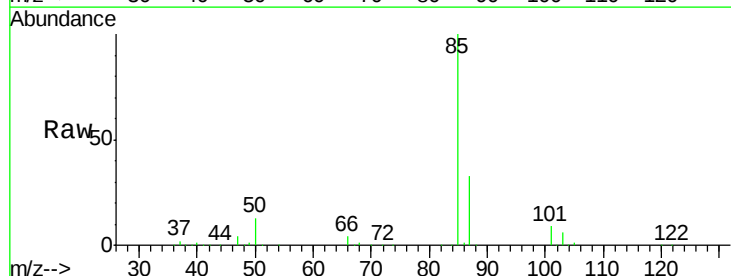
RT: 3.08 min Scan# 43

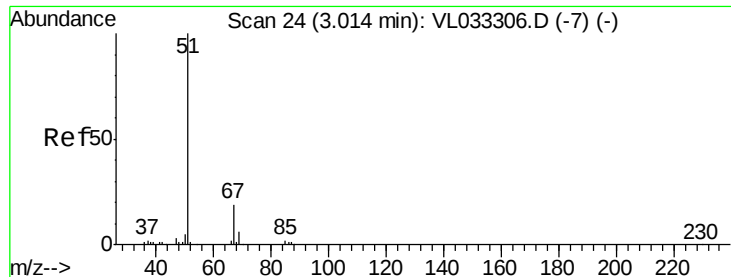
Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion:	85	Resp:	1161076
Ion Ratio	Lower	Upper	
85	100		
87	32.8	25.8	38.8





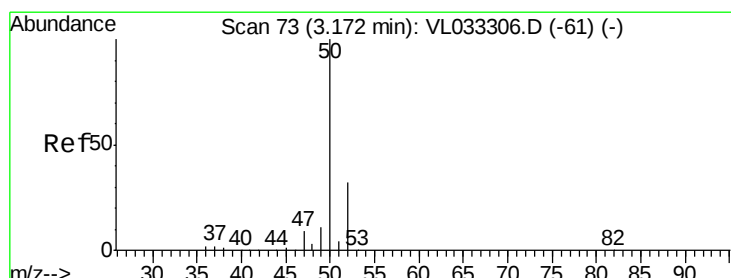
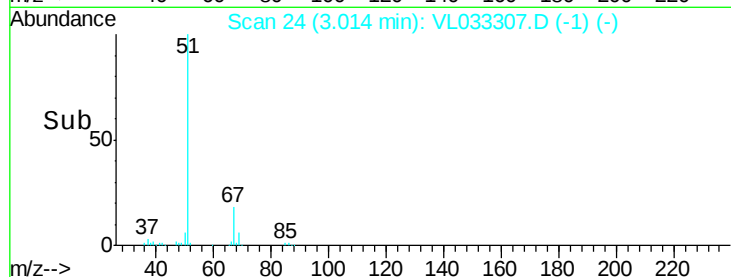
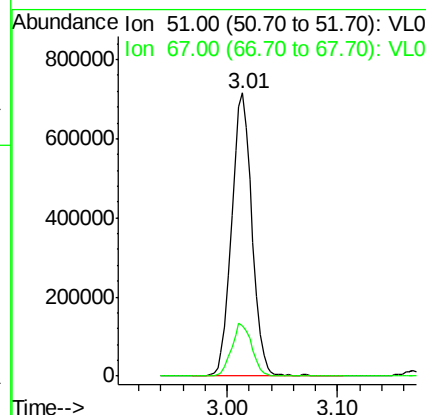
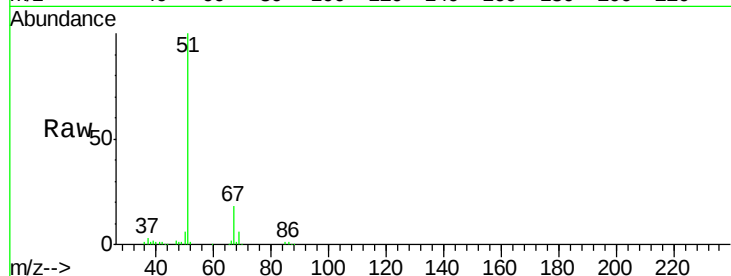
#3
Chlorodifluoromethane
Concen: 9.141 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

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ClientSampleId :
ICVVL031319

Tgt Ion: 51 Resp: 916764
Ion Ratio Lower Upper
51 100
67 18.7 14.9 22.3

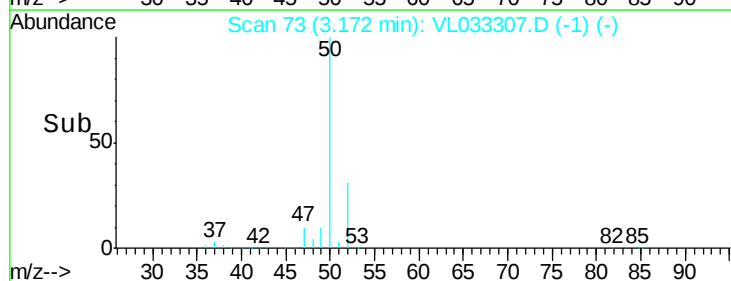
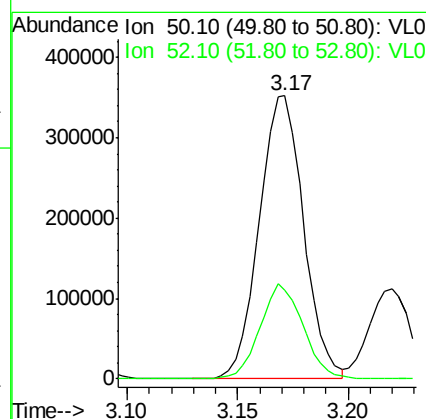
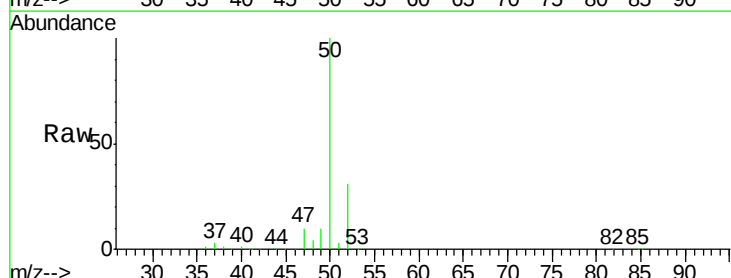
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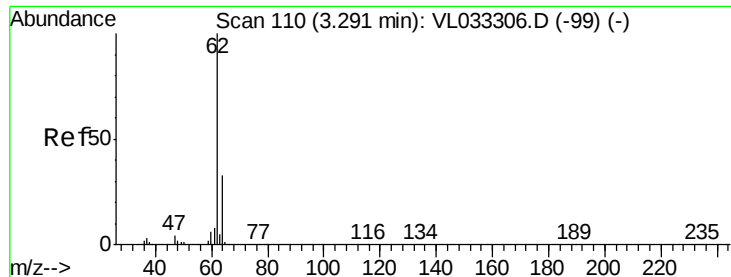
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#4
Chloromethane
Concen: 9.013 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 50 Resp: 489386
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5





#5

Vinyl Chloride

Concen: 8.907 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 62 Resp: 484122

Ion Ratio Lower Upper

62 100

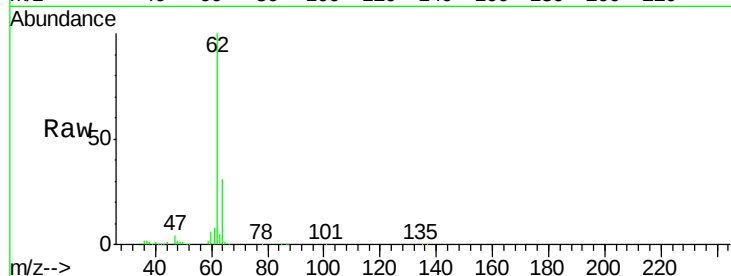
64 30.9 25.5 38.3

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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

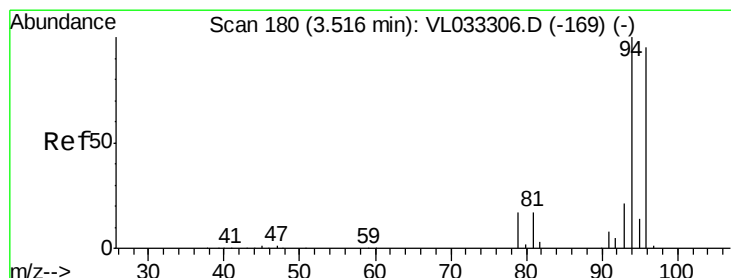
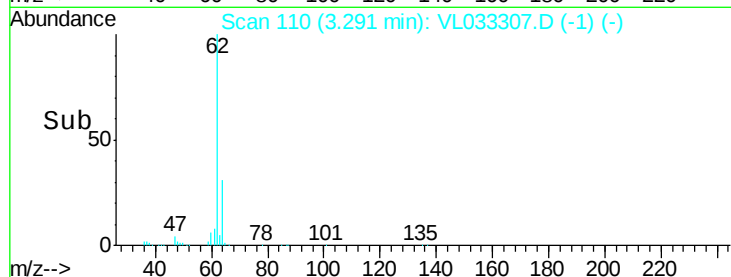
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.470 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033307.D

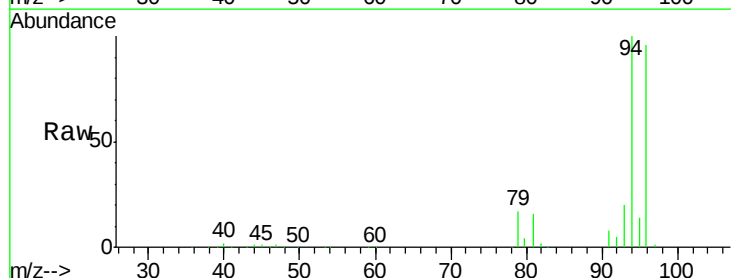
Acq: 14 Mar 2019 2:34

Tgt Ion: 94 Resp: 309907

Ion Ratio Lower Upper

94 100

96 96.0 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

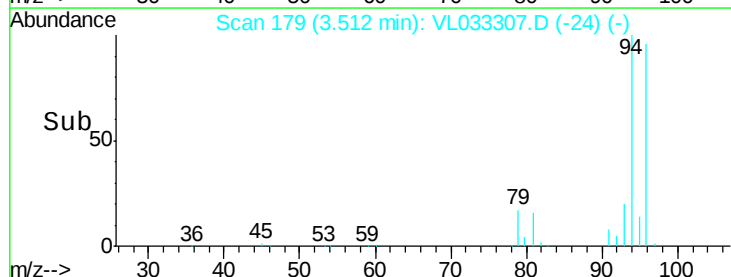
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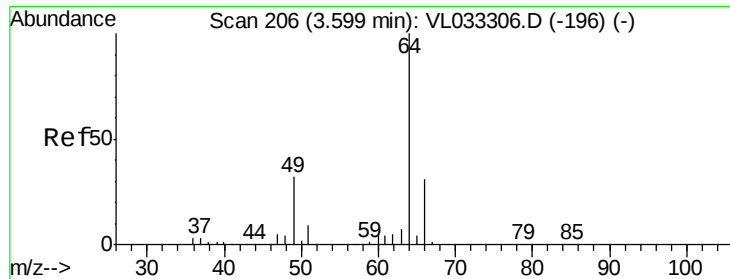
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.783 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 64 Resp: 190376

Ion Ratio Lower Upper

64 100

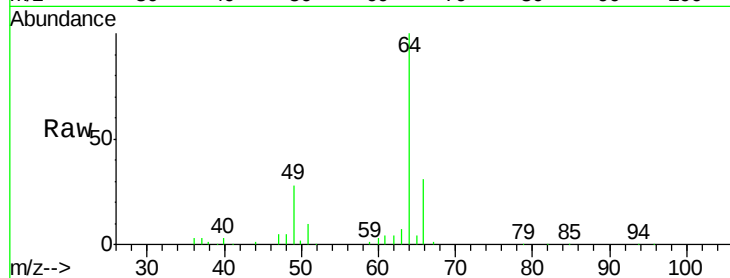
66 31.1 24.9 37.3

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

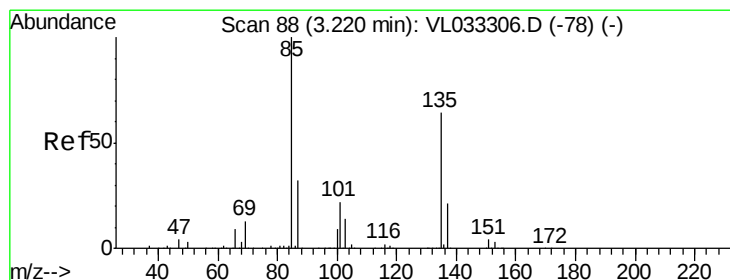
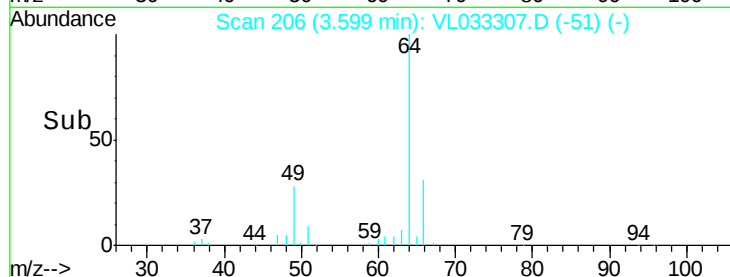
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.161 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033307.D

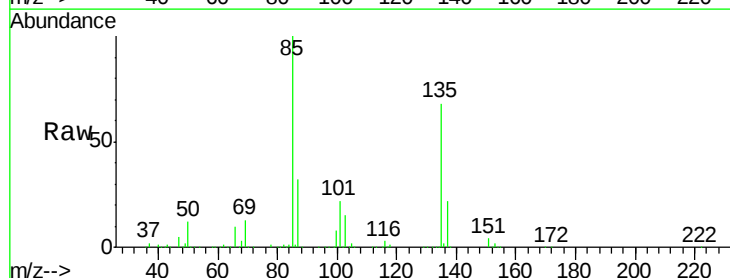
Acq: 14 Mar 2019 2:34

Tgt Ion: 85 Resp: 1190147

Ion Ratio Lower Upper

85 100

135 67.6 52.9 79.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

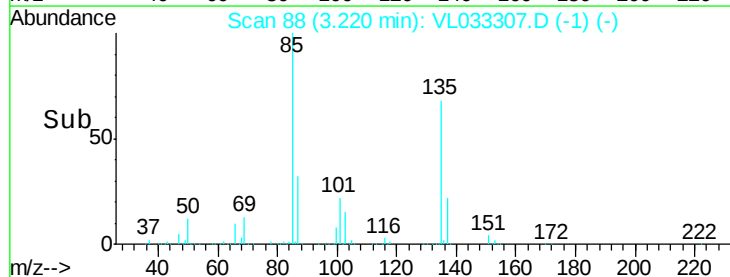
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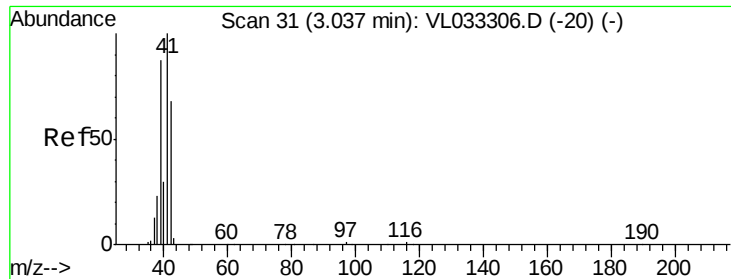
200000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 9.242 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 41 Resp: 418322

Ion Ratio Lower Upper

41 100

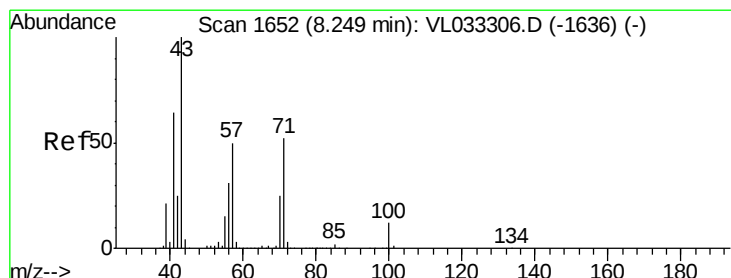
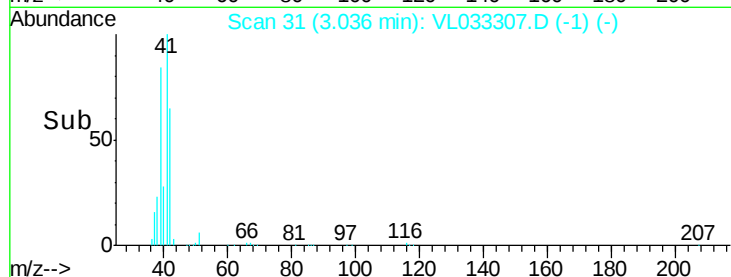
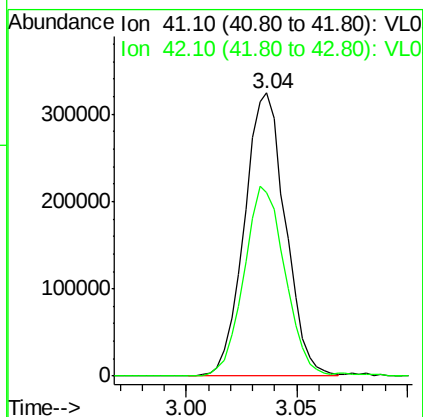
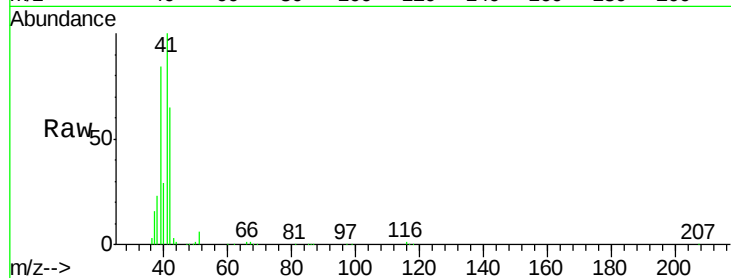
42 68.0 54.4 81.6

Manual Integrations

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#10

Heptane

Concen: 9.359 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033307.D

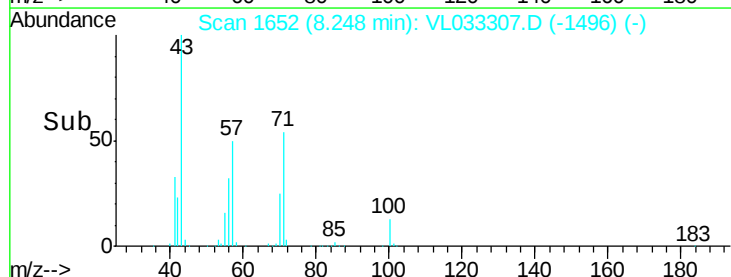
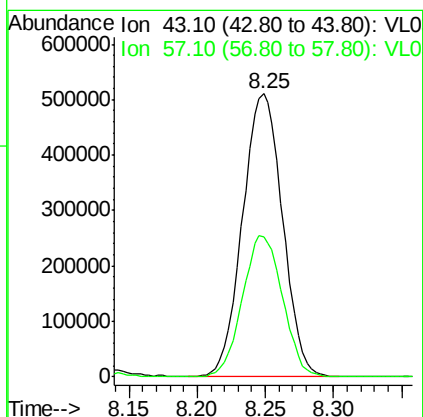
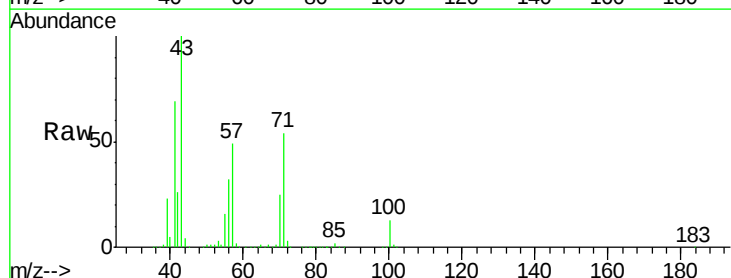
Acq: 14 Mar 2019 2:34

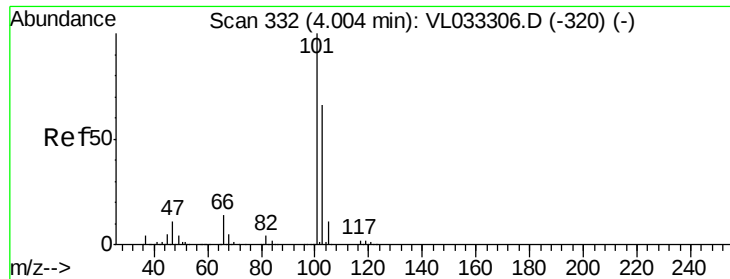
Tgt Ion: 43 Resp: 1035595

Ion Ratio Lower Upper

43 100

57 50.3 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.264 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion:101 Resp: 1324219

Ion Ratio Lower Upper

101 100

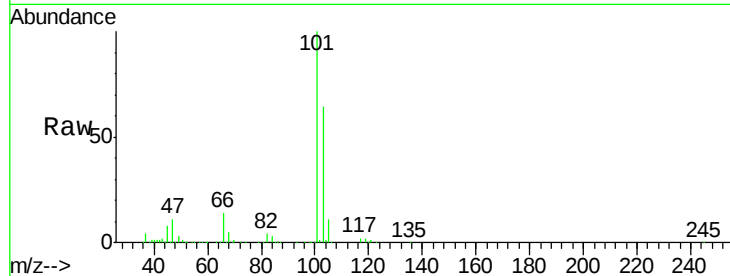
103 64.2 52.5 78.7

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3/15/2019 10:41:56 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.00

800000

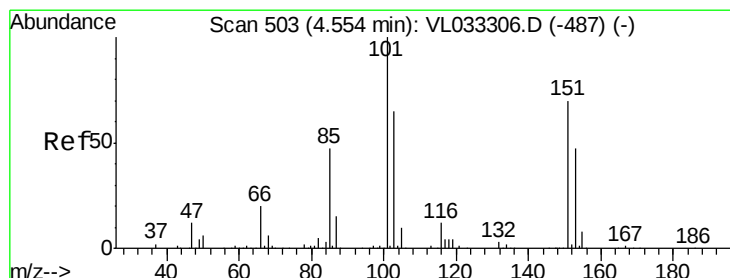
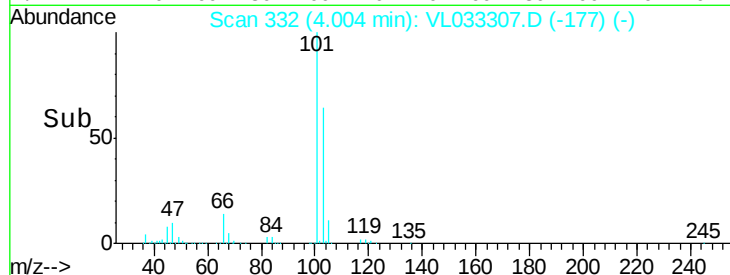
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.132 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033307.D

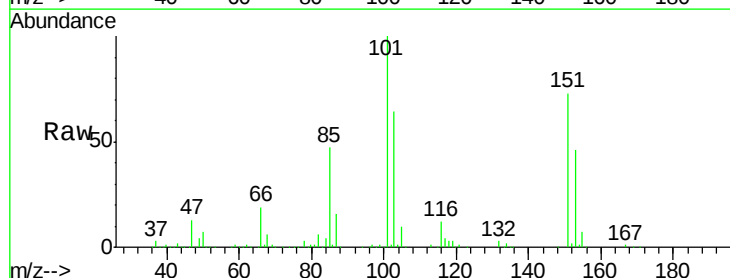
Acq: 14 Mar 2019 2:34

Tgt Ion:101 Resp: 880031

Ion Ratio Lower Upper

101 100

151 71.9 57.2 85.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.55

600000

500000

400000

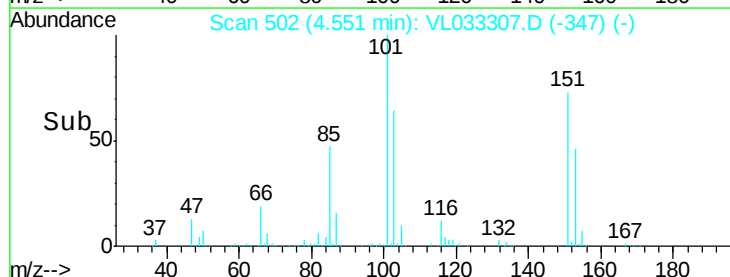
300000

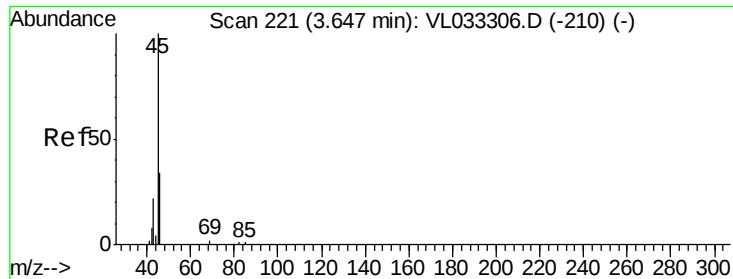
200000

100000

0

Time-->





#13

Ethanol

Concen: 7.106 ppbv m

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 45 Resp: 98453

Ion Ratio Lower Upper

45 100

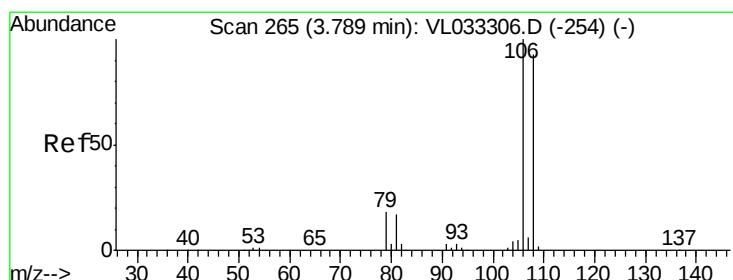
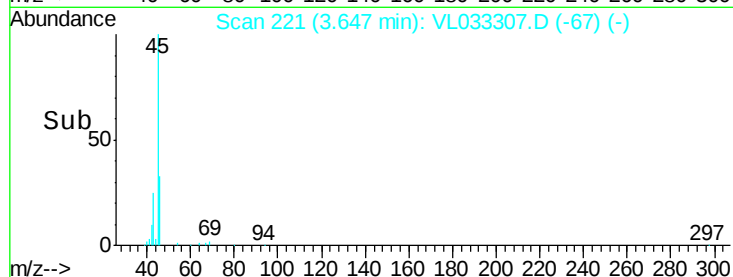
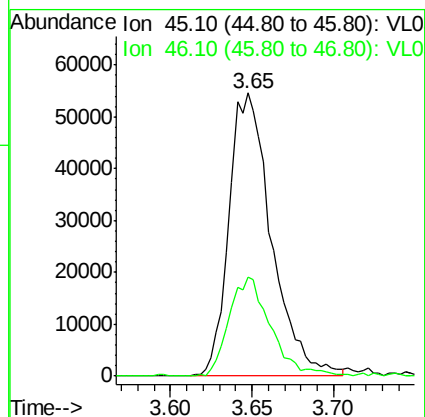
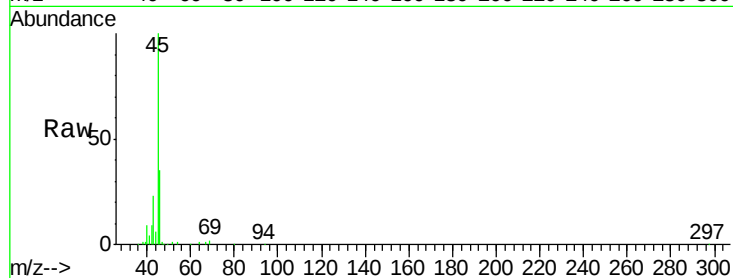
46 34.8 14.9 59.5

Manual Integrations

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3/15/2019 10:41:56 PM



#14

Bromoethene

Concen: 9.829 ppbv

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

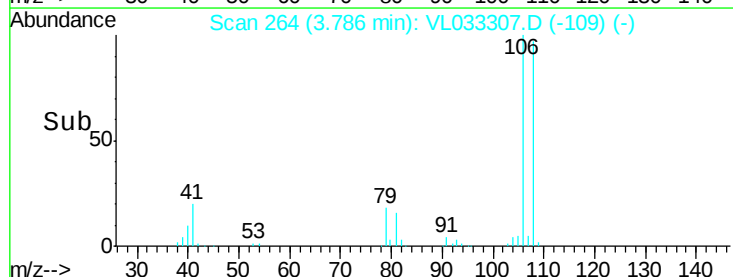
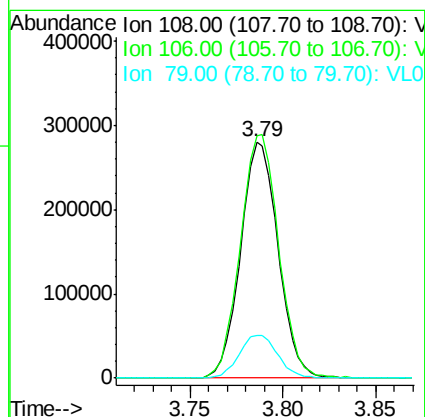
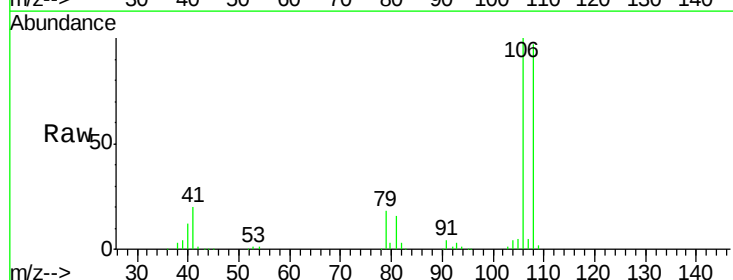
Tgt Ion: 108 Resp: 393723

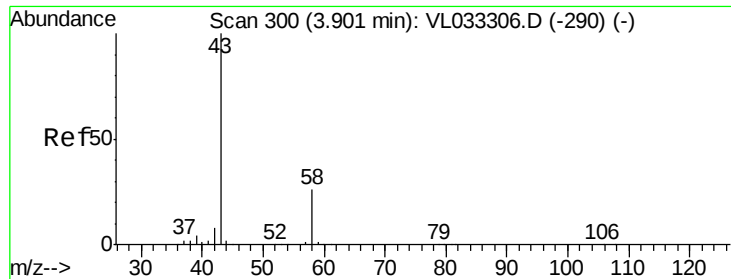
Ion Ratio Lower Upper

108 100

106 105.4 85.1 127.7

79 19.2 15.0 22.6





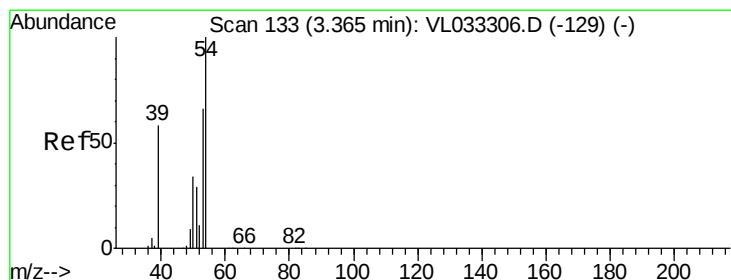
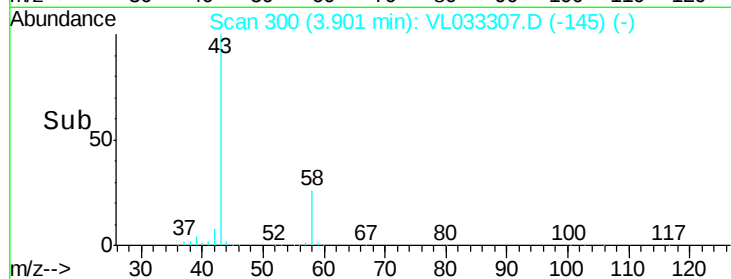
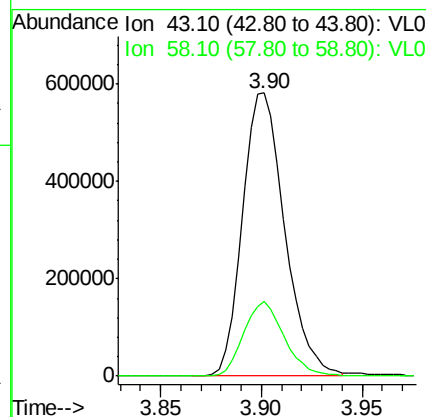
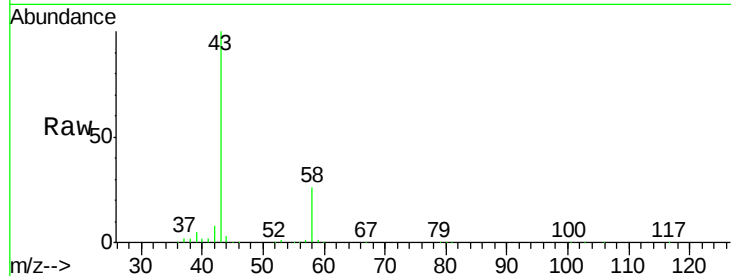
#15
Acetone
Concen: 8.076 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 43 Resp: 853749
Ion Ratio Lower Upper
43 100
58 25.7 20.6 31.0

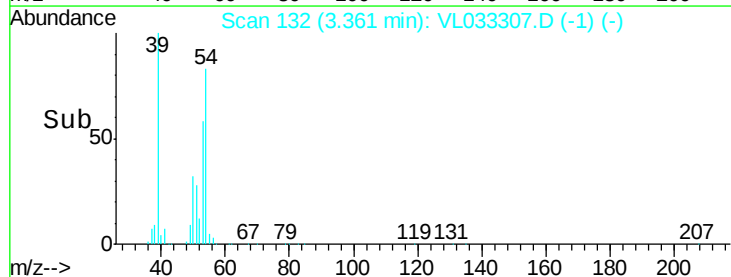
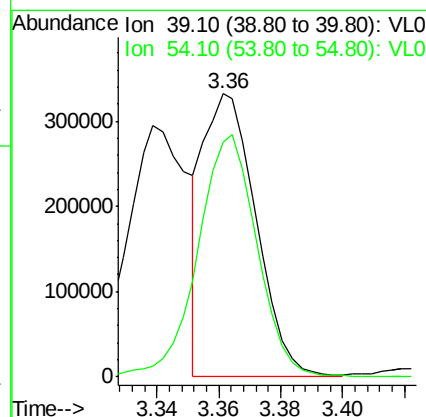
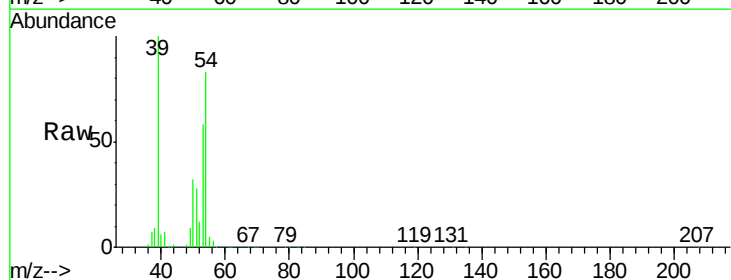
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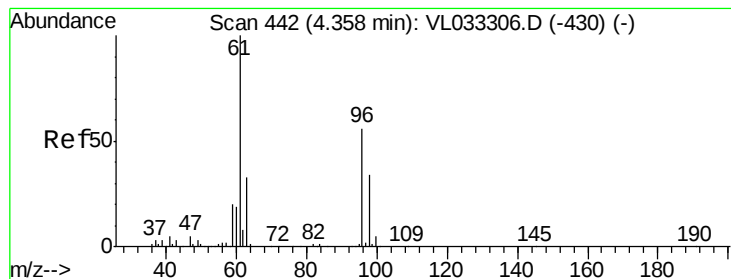
MMDadoda
3/15/2019 10:41:56 PM



#16
1,3-Butadiene
Concen: 9.045 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 39 Resp: 391550
Ion Ratio Lower Upper
39 100
54 97.2 68.4 102.6





#17

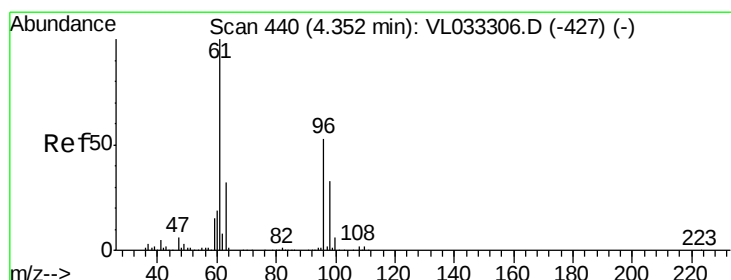
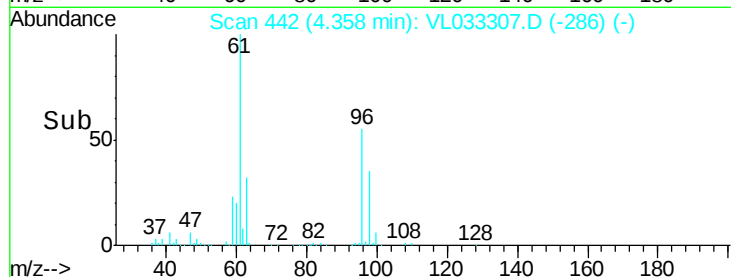
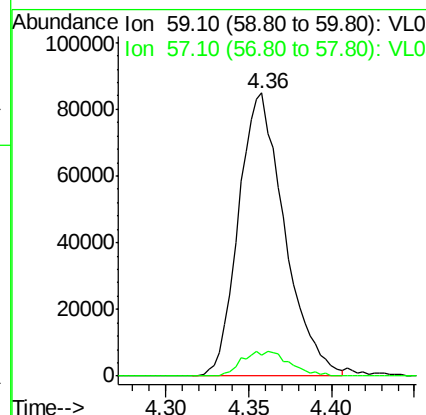
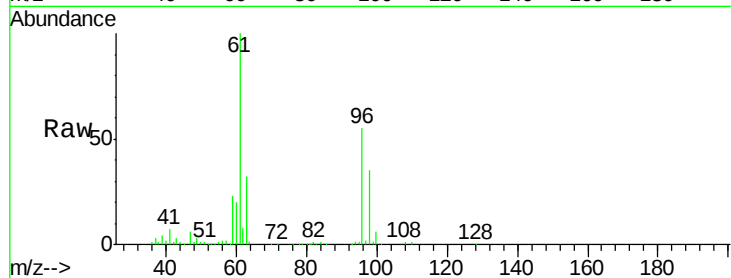
tert-Butyl alcohol
Concen: 8.872 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	163586		
57	9.1	7.4	11.2	

Manual Integrations
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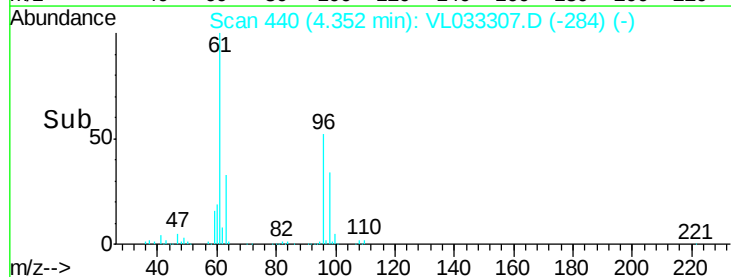
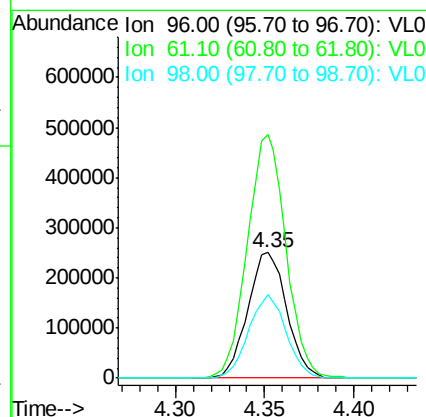
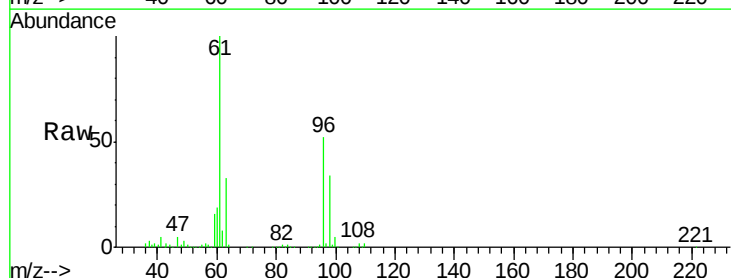
MMDadoda
3/15/2019 10:41:56 PM

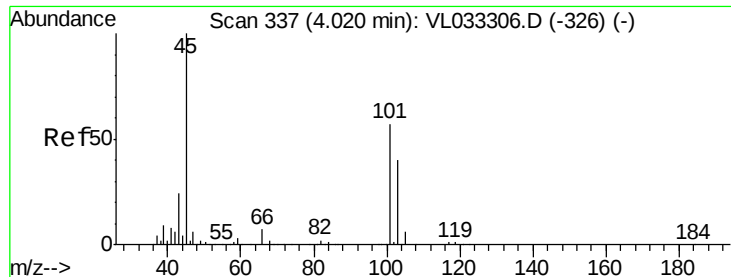


#18

1,1-Dichloroethene
Concen: 8.949 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	380912		
61	193.9	152.3	228.5	
98	66.8	48.6	72.8	





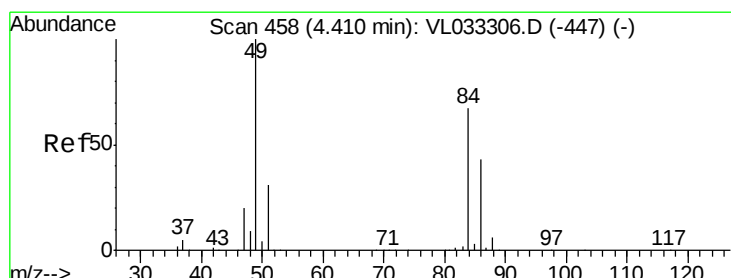
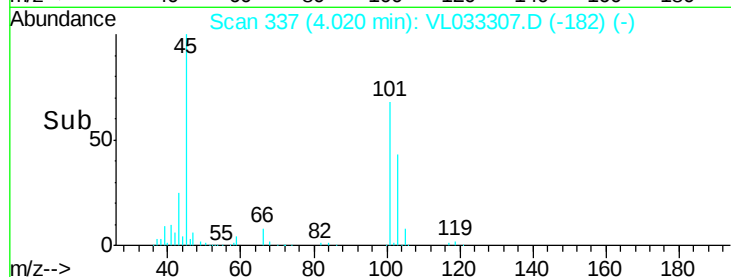
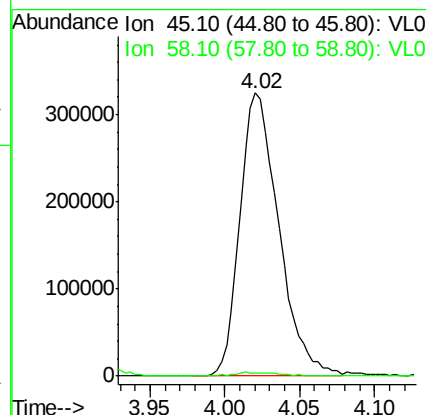
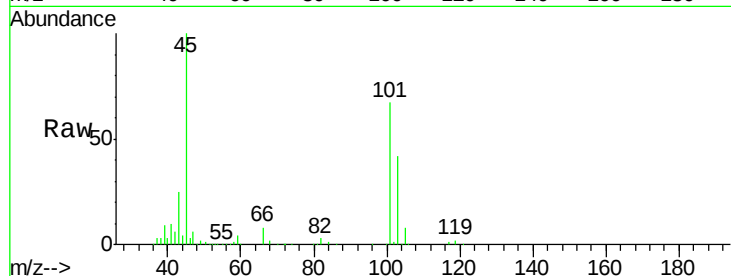
#19
Isopropyl Alcohol
Concen: 9.086 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 45 Resp: 587588
Ion Ratio Lower Upper
45 100
58 1.6 1.4 2.0

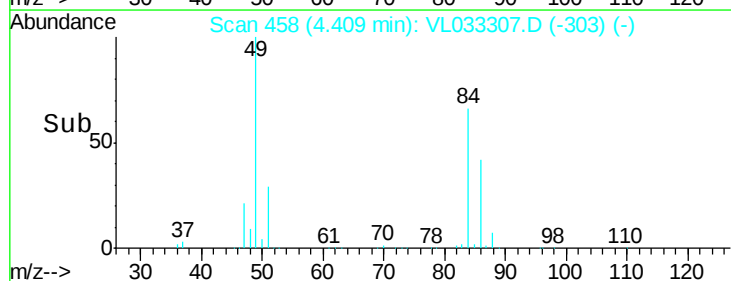
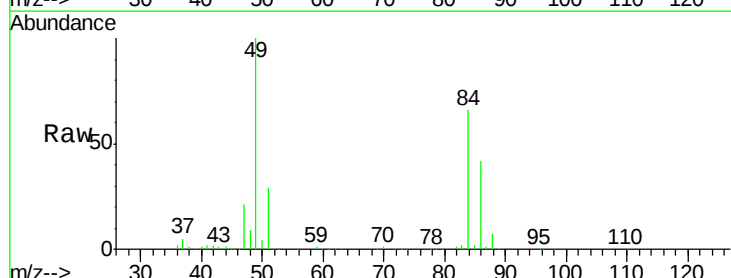
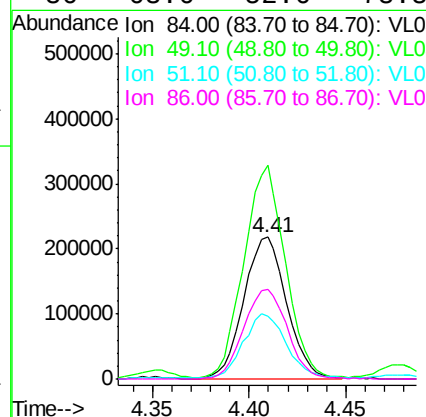
Manual Integrations
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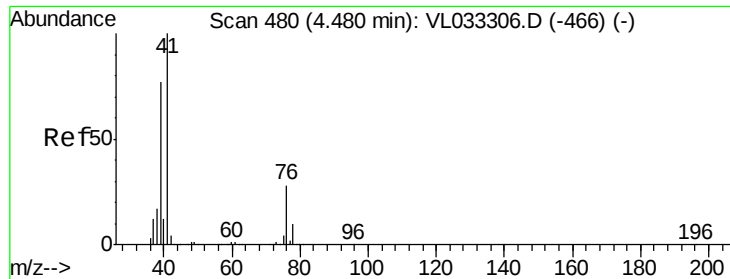
MMDadoda
3/15/2019 10:41:56 PM



#20
Methylene Chloride
Concen: 7.819 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 84 Resp: 334656
Ion Ratio Lower Upper
84 100
49 149.9 115.4 173.2
51 43.8 35.7 53.5
86 63.6 52.6 78.8





#21

Allyl Chloride

Concen: 9.652 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

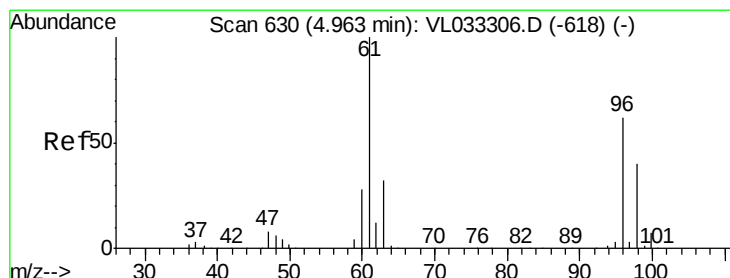
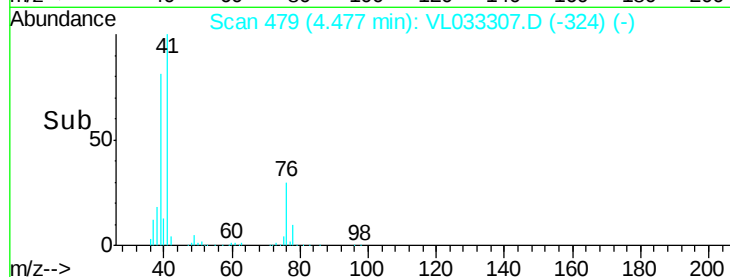
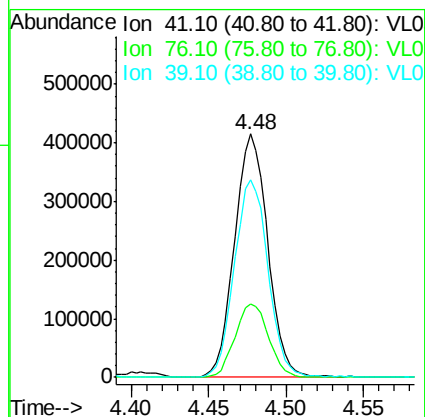
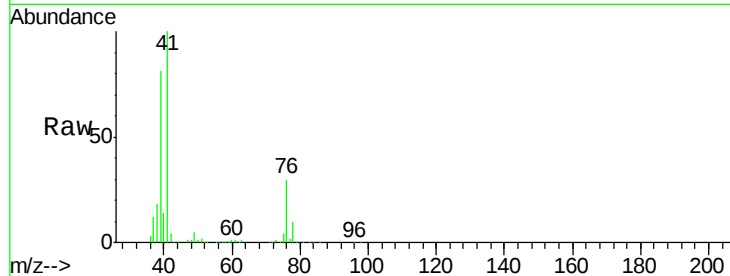
ClientSampleId :

ICVVL031319

Tgt Ion:	41	Resp:	616046
Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.3	36.5
39	82.4	64.4	96.6

Manual Integrations
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3/15/2019 10:41:56 PM



#22

trans-1,2-Dichloroethene

Concen: 9.250 ppbv

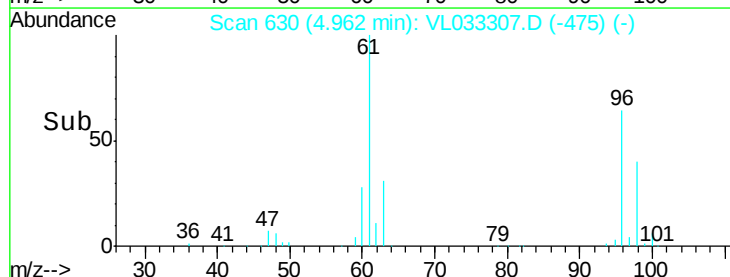
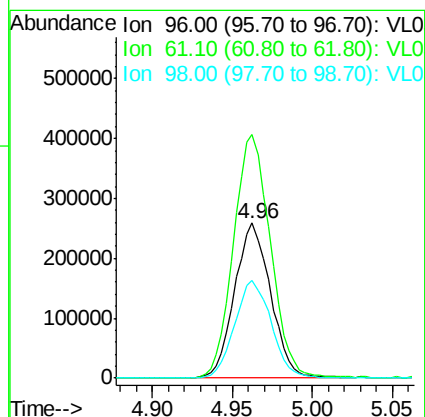
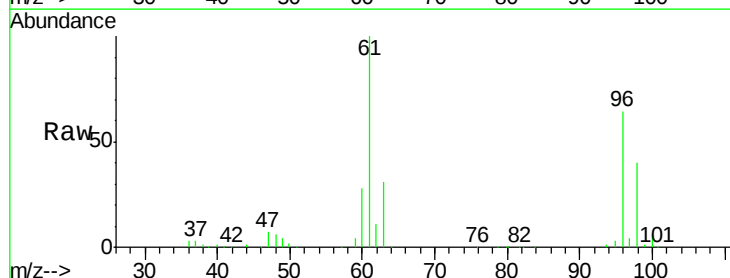
RT: 4.96 min Scan# 630

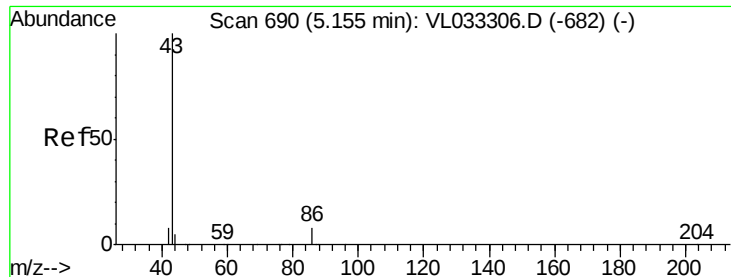
Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion:	96	Resp:	397192
Ion	Ratio	Lower	Upper
96	100		
61	157.0	132.7	199.1
98	62.7	52.4	78.6





#23

Vinyl Acetate

Concen: 9.640 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 43 Resp: 1479641

Ion Ratio Lower Upper

43 100

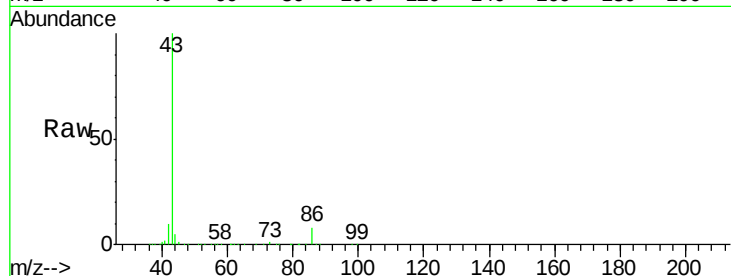
86 7.6 5.8 8.8

42 9.5 7.8 11.8

44 5.2 4.1 6.1

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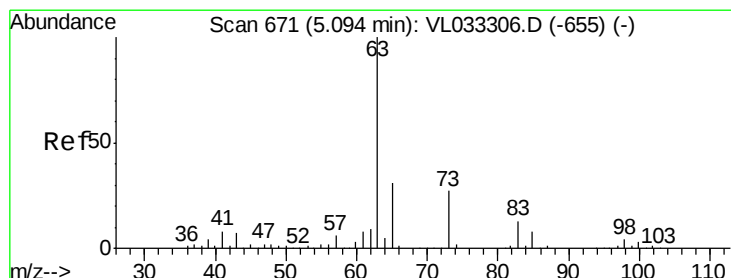
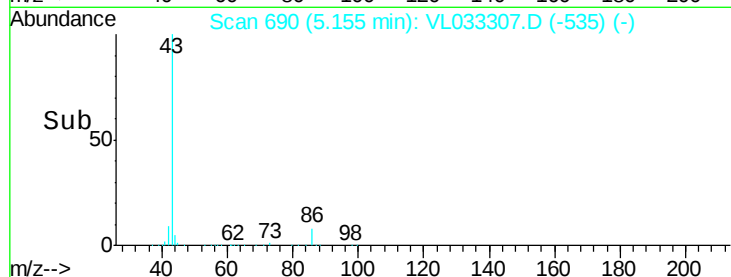
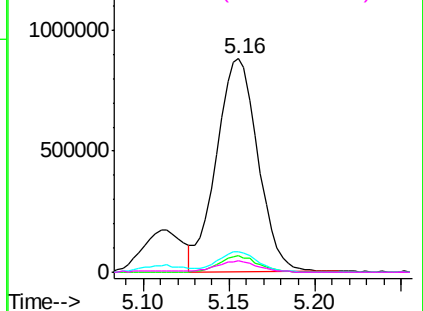


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.056 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

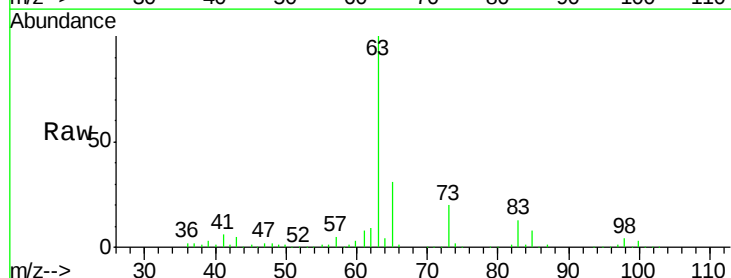
Tgt Ion: 63 Resp: 1005520

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

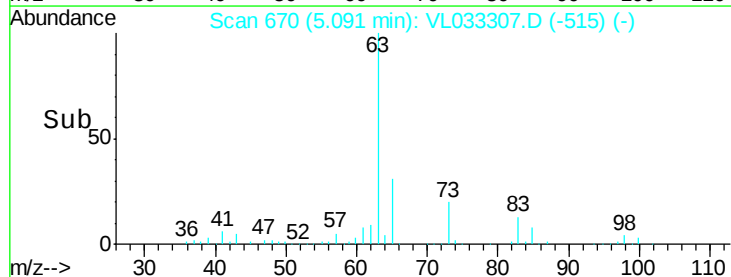
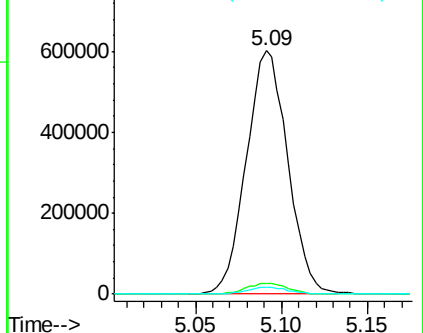
100 2.7 1.3 3.8

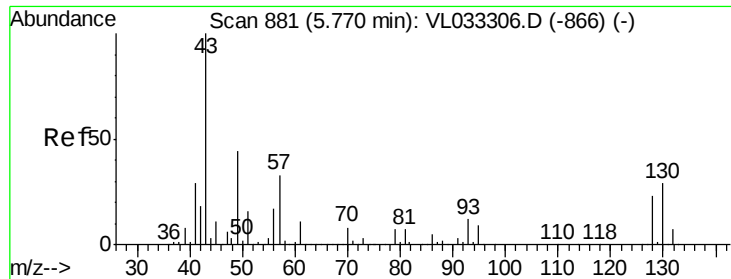


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





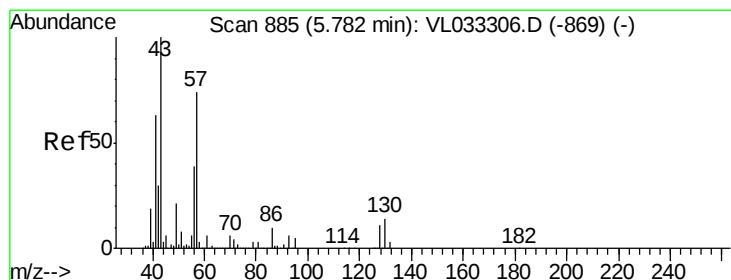
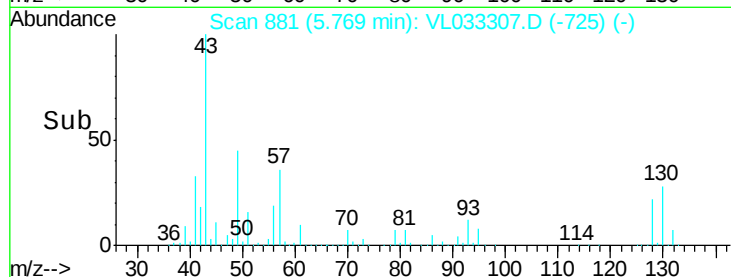
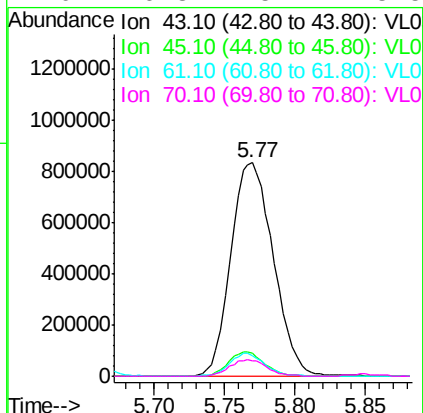
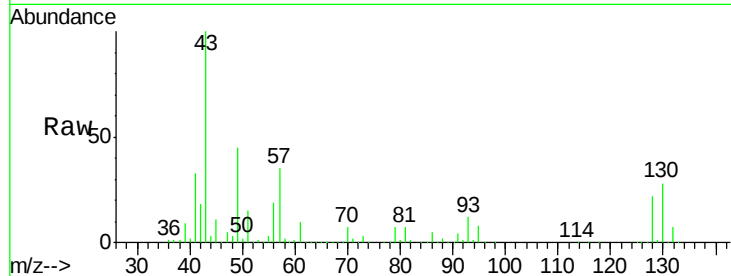
#25
Ethyl Acetate
Concen: 9.095 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.2	7.5	11.3
70	6.8	5.7	8.5

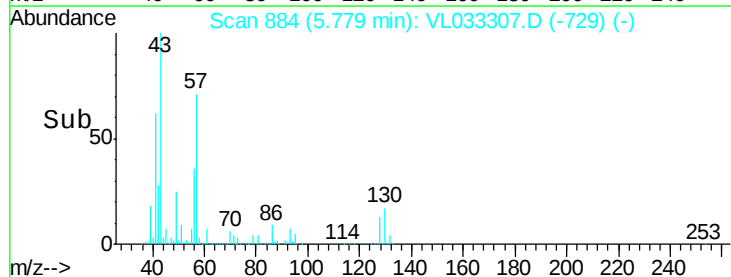
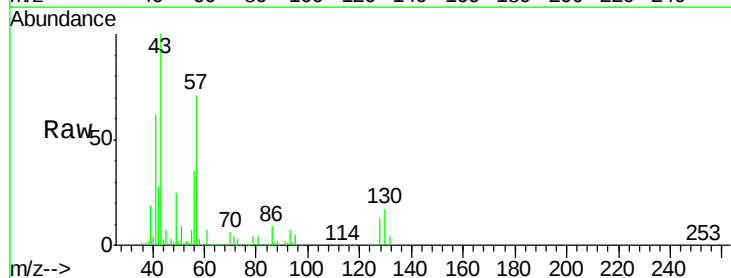
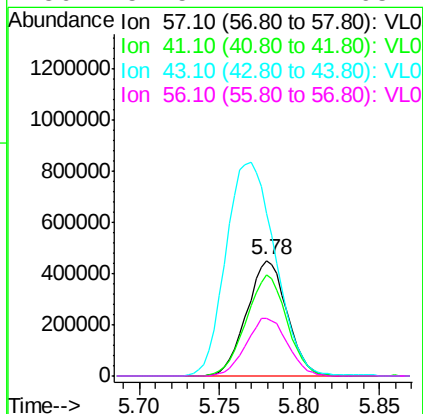
Manual Integrations
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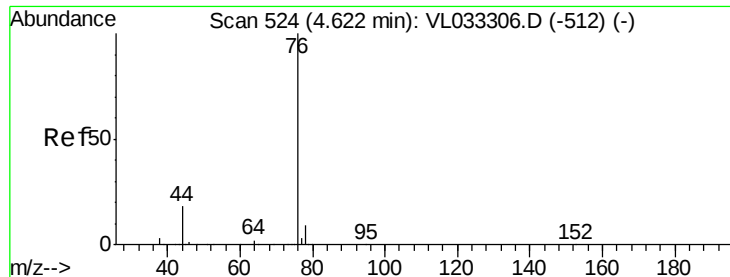
MMDadoda
3/15/2019 10:41:56 PM



#26
Hexane
Concen: 8.659 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.5	71.6	107.4
43	226.1	179.2	268.8
56	51.5	42.2	63.2





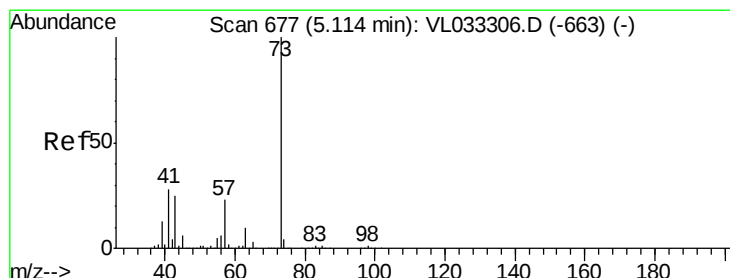
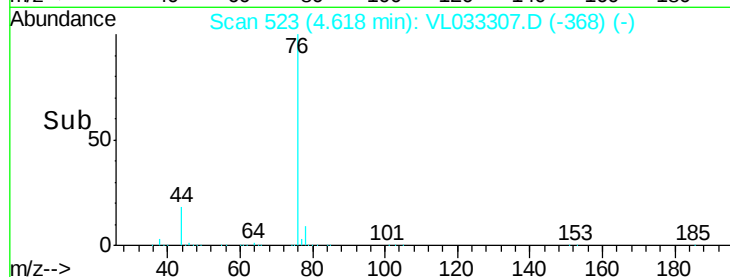
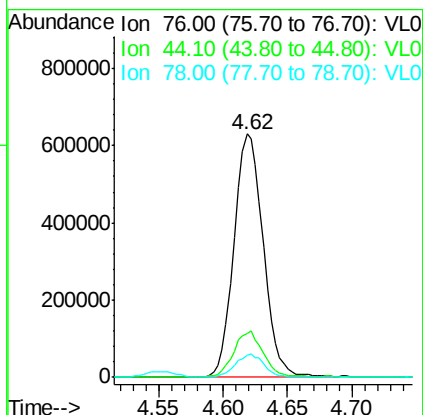
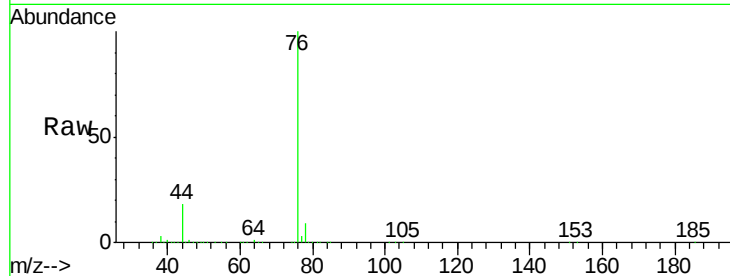
#27
Carbon Disulfide
Concen: 10.352 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion	Ratio	Lower	Upper
76	100		
44	18.8	14.7	22.1
78	9.3	7.3	10.9

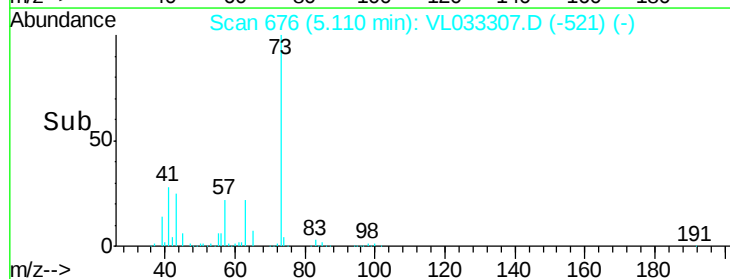
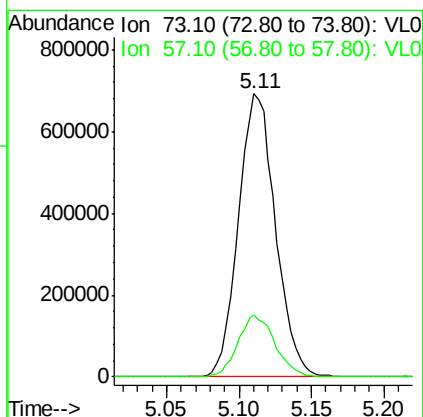
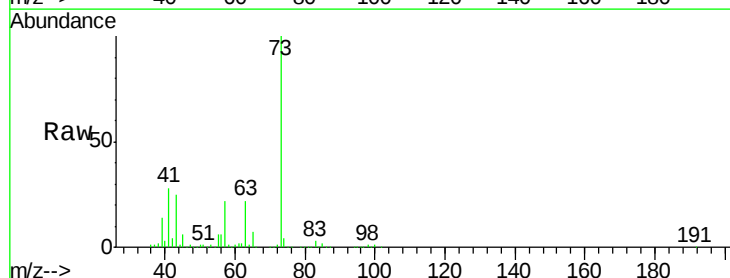
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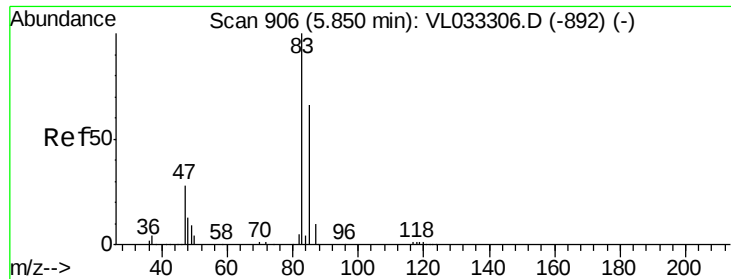
MMDadoda
3/15/2019 10:41:56 PM



#28
Methyl tert-Butyl Ether
Concen: 9.493 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0





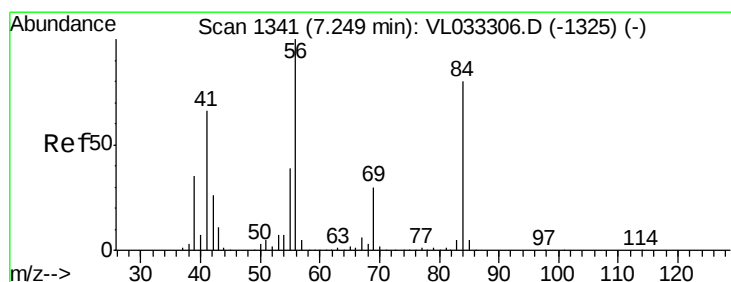
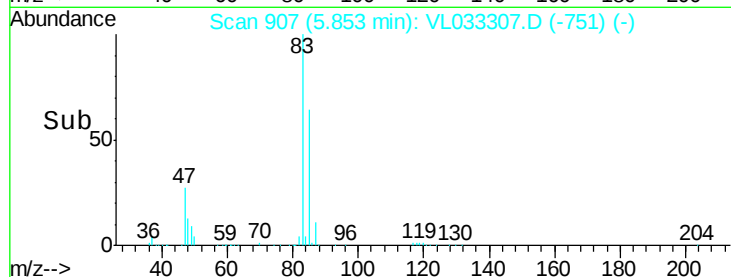
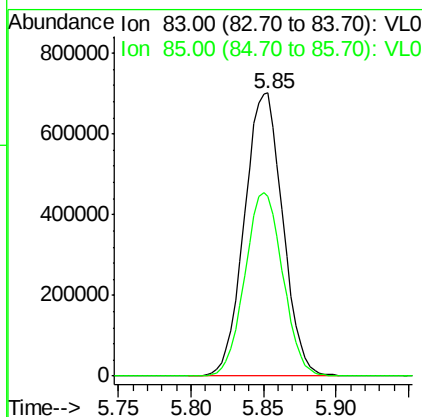
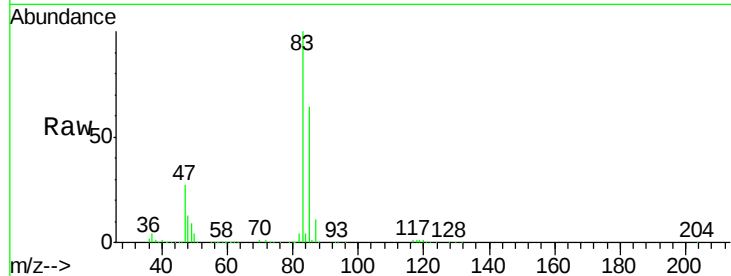
#29
Chloroform
Concen: 9.230 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 83 Resp: 1291053
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.4

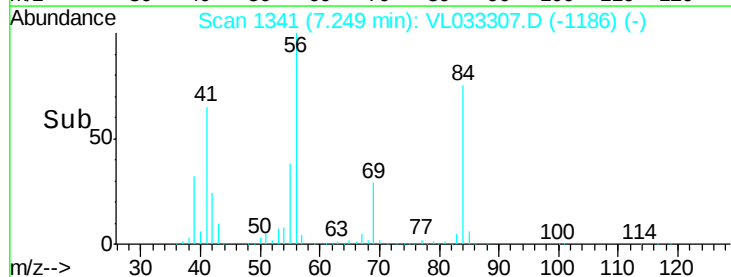
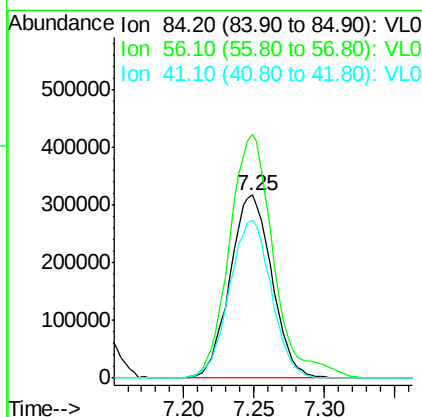
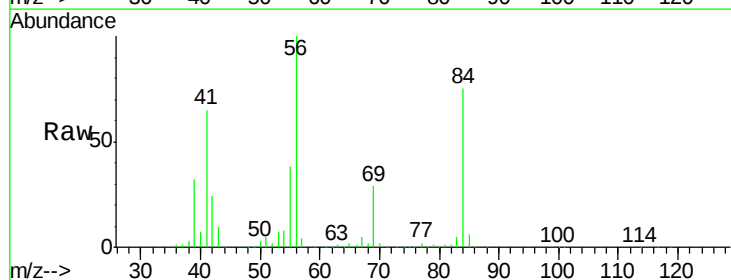
Manual Integrations
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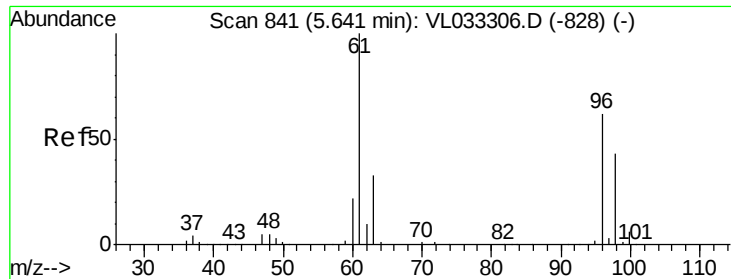
MMDadoda
3/15/2019 10:41:56 PM



#30
Cyclohexane
Concen: 9.450 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 84 Resp: 660129
Ion Ratio Lower Upper
84 100
56 140.2 109.8 164.8
41 86.6 68.1 102.1





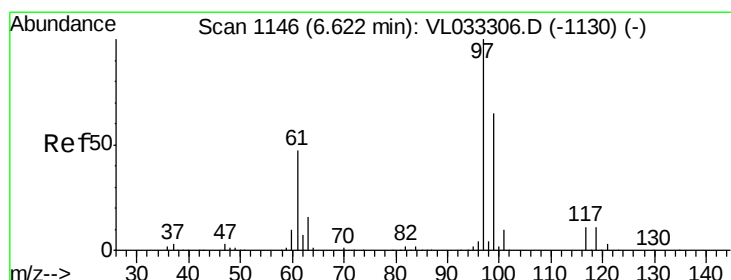
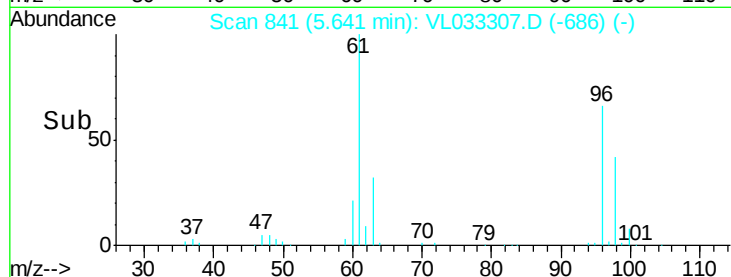
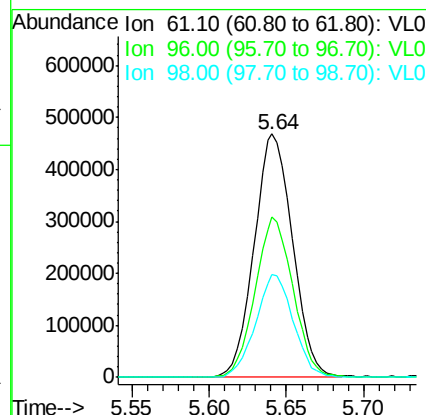
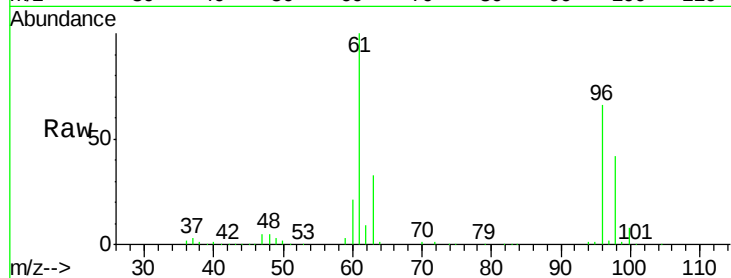
#31
 cis-1,2-Dichloroethene
 Concen: 9.347 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	809853		
96	66.0	51.8	77.6	
98	42.2	32.3	48.5	

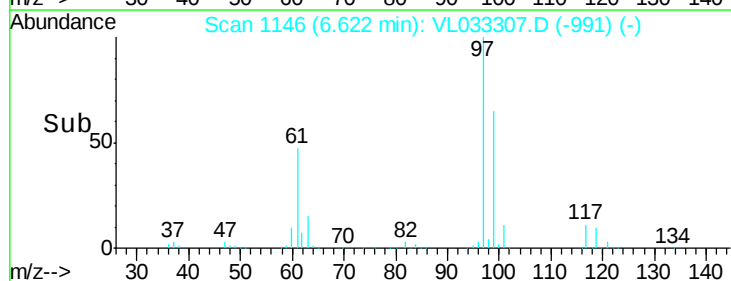
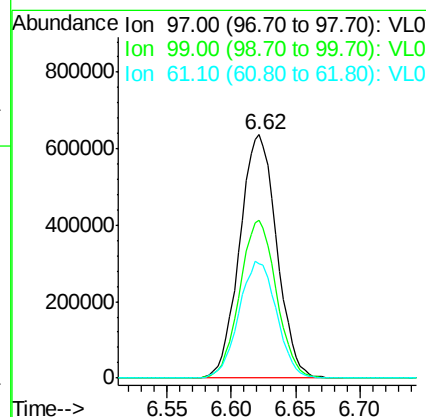
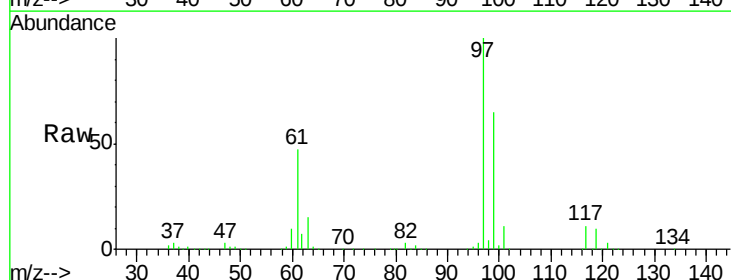
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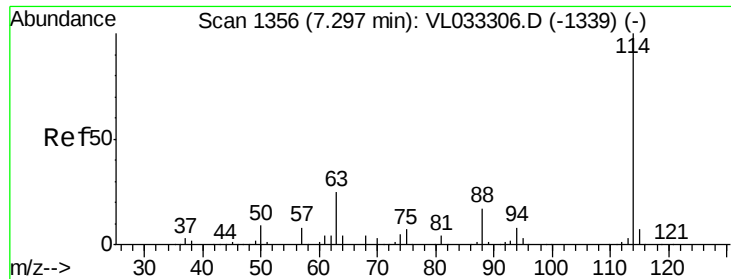
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 9.379 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1273195		
99	64.2	51.6	77.4	
61	48.9	39.4	59.2	





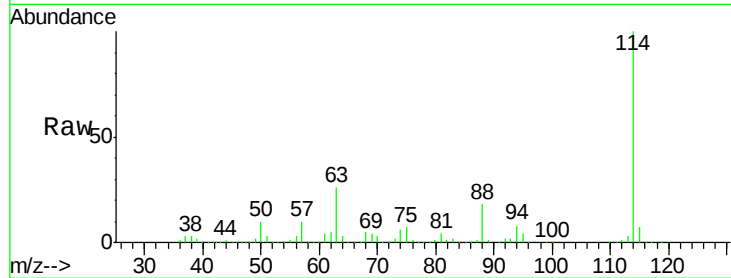
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

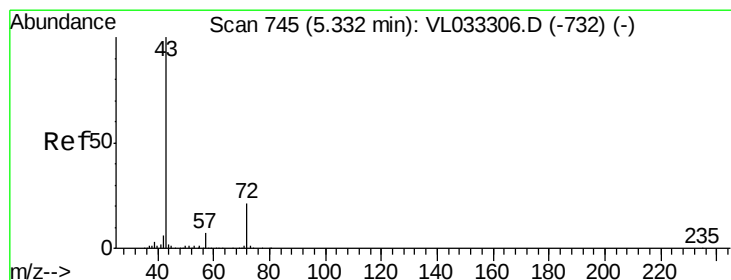
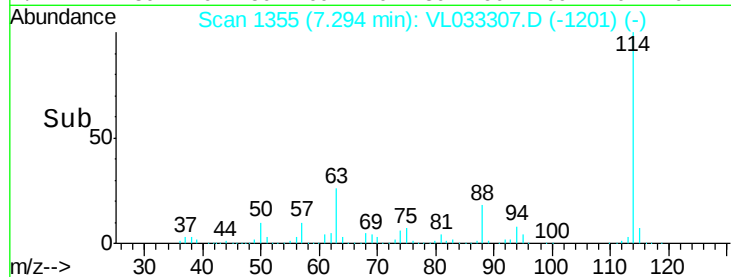
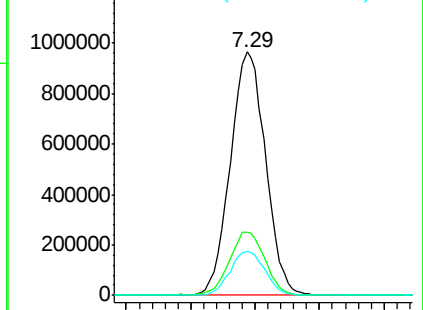
Tgt Ion: 114 Resp: 1832069
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.3 31.9
 88 18.0 14.5 21.7

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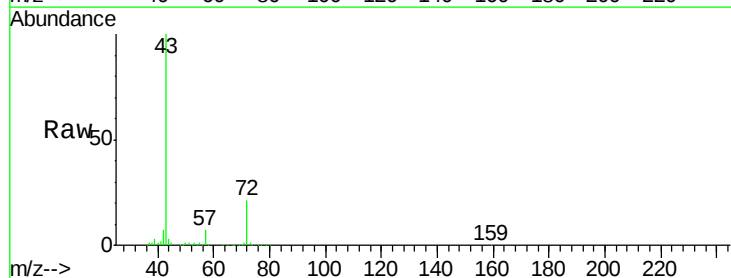


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

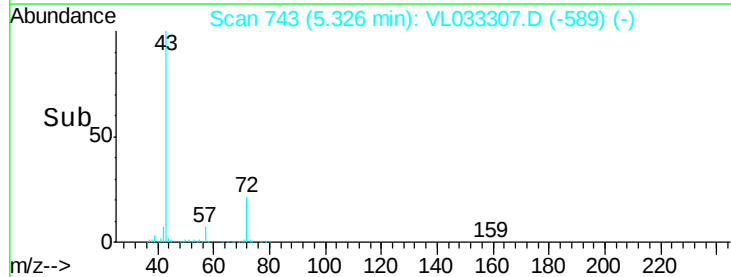
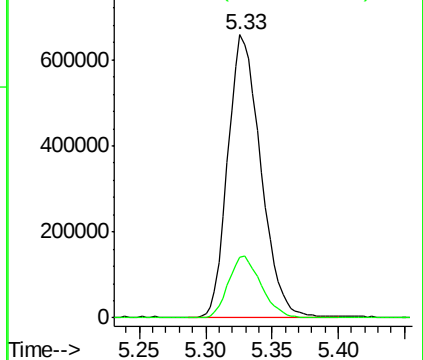


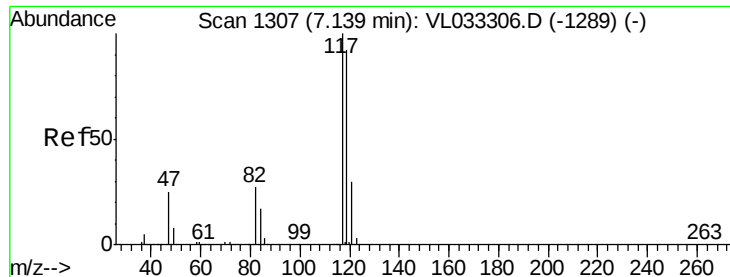
#34
 2-Butanone
 Concen: 8.970 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 43 Resp: 1136200
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





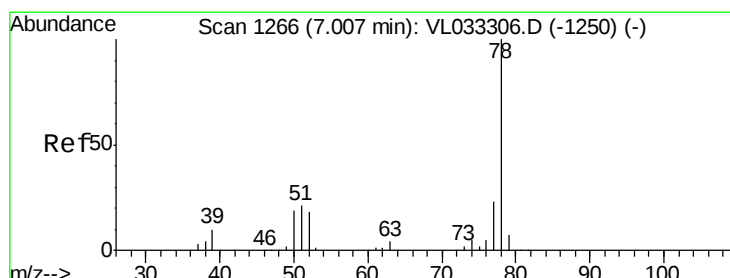
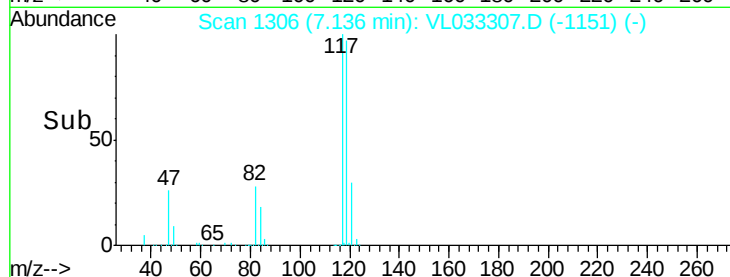
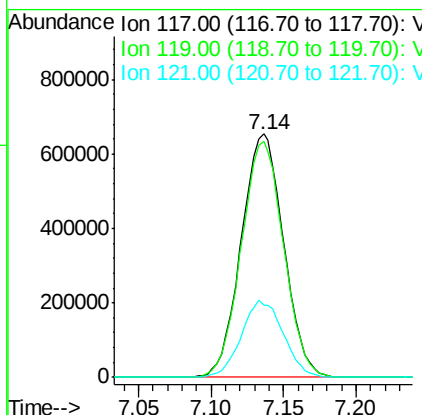
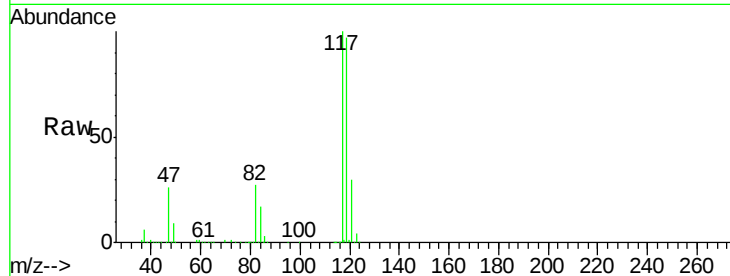
#35
Carbon Tetrachloride
Concen: 9.423 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 117 Resp: 1327141
Ion Ratio Lower Upper
117 100
119 97.0 75.9 113.9
121 29.7 25.2 37.8

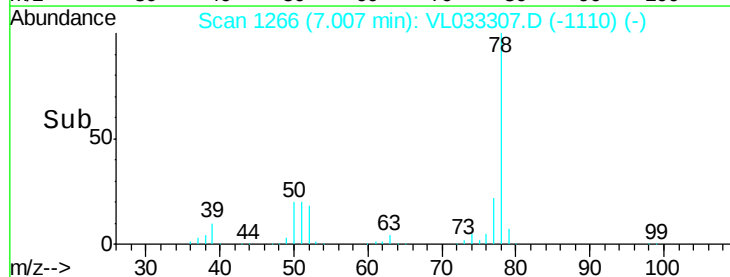
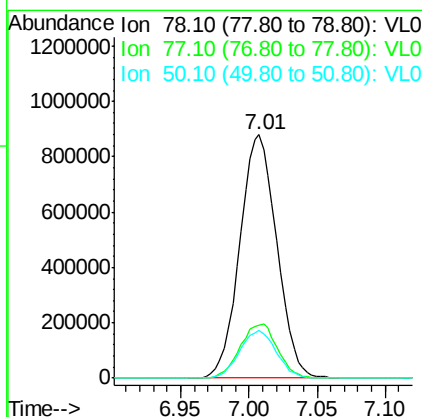
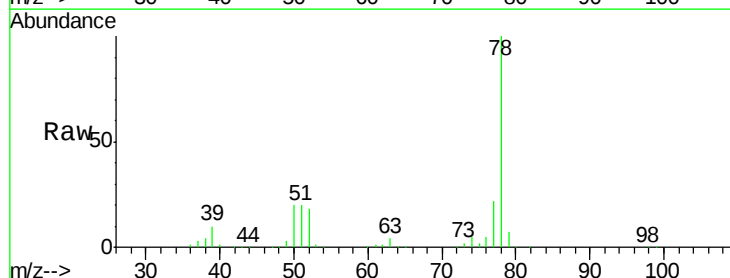
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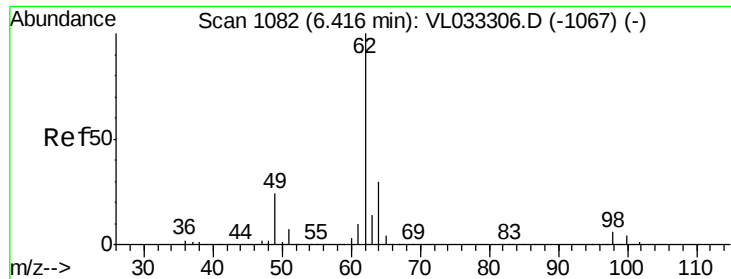
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#36
Benzene
Concen: 9.187 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 78 Resp: 1652939
Ion Ratio Lower Upper
78 100
77 21.9 18.6 28.0
50 19.9 15.2 22.8





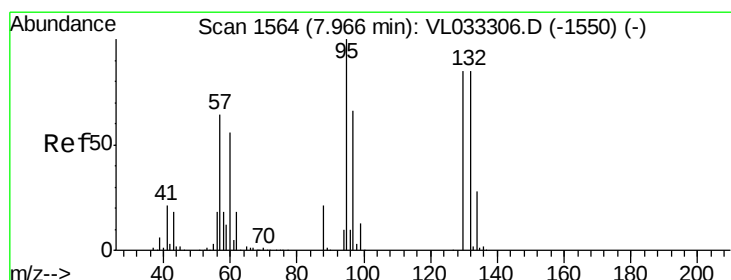
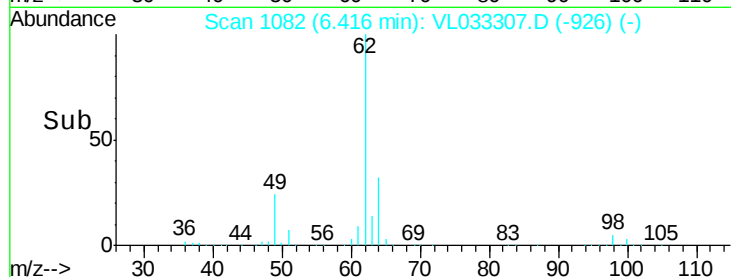
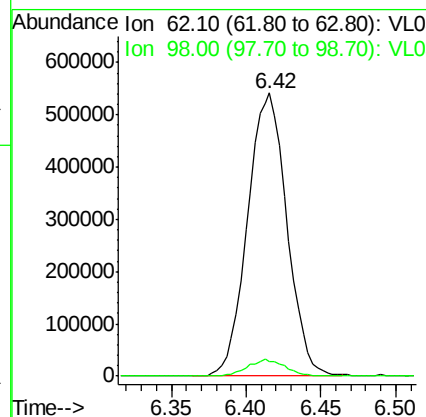
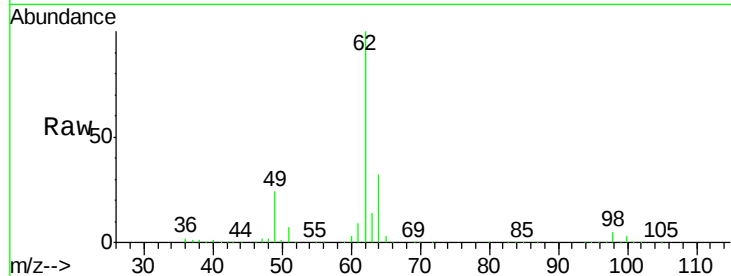
#37
 1,2-Dichloroethane
 Concen: 9.217 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	990722		
98	5.7	4.4	6.6	

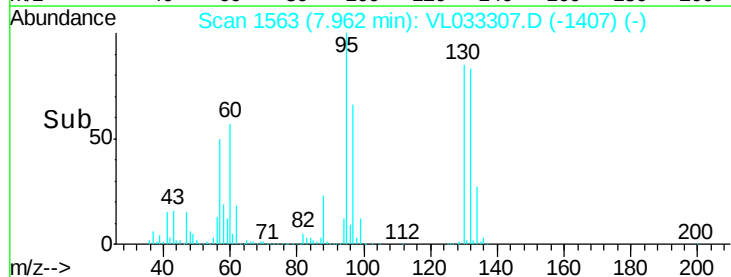
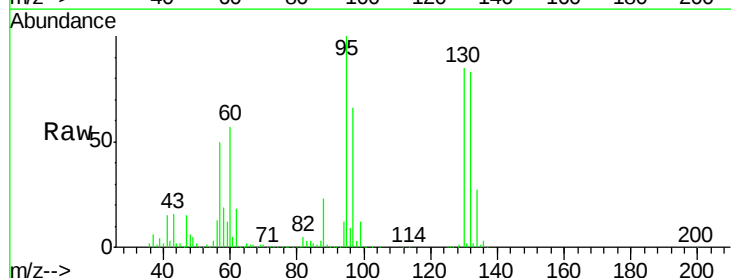
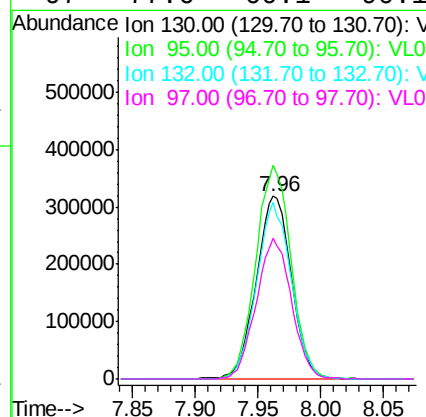
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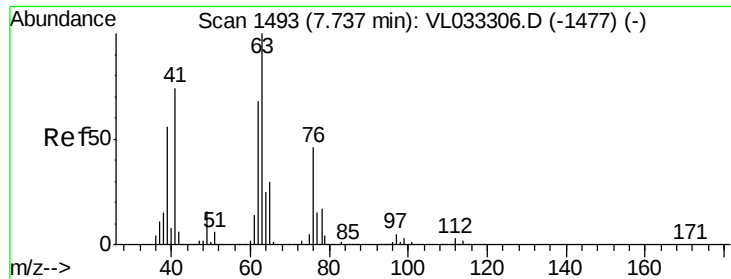
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 3/15/2019 10:41:56 PM



#38
 Trichloroethene
 Concen: 8.684 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	617806		
95	117.3	95.2	142.8	
132	97.1	72.5	108.7	
97	77.6	60.1	90.1	





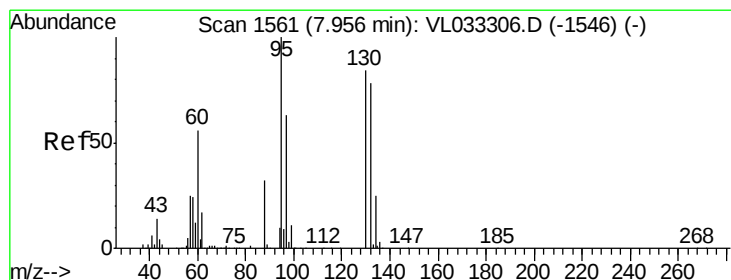
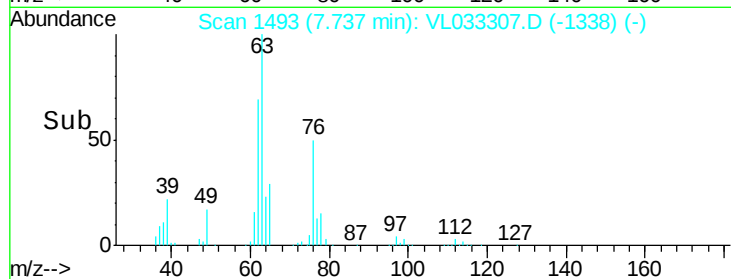
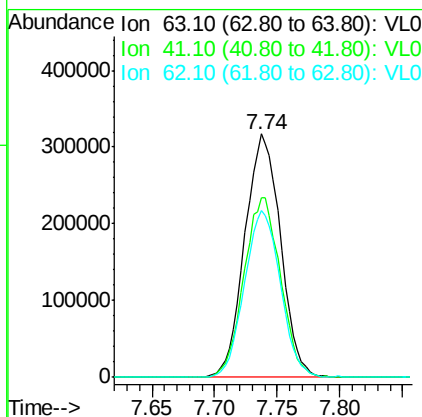
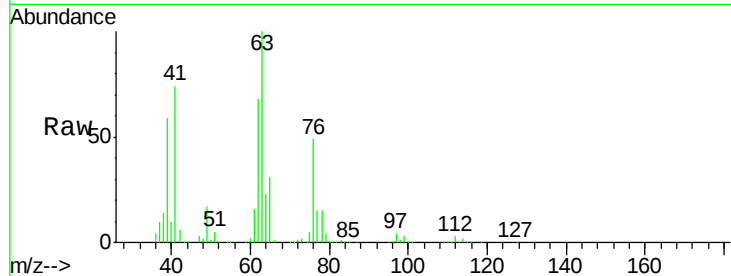
#39
 1,2-Dichloropropane
 Concen: 9.112 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.5	59.0	88.4
62	68.5	53.0	79.4

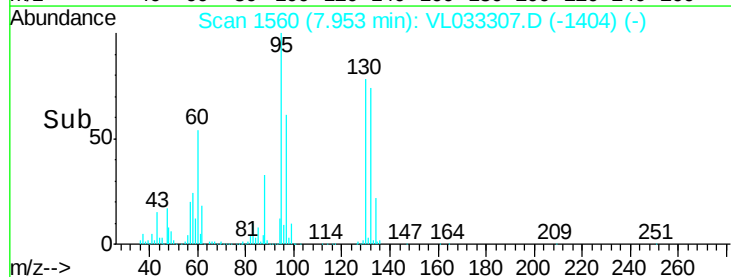
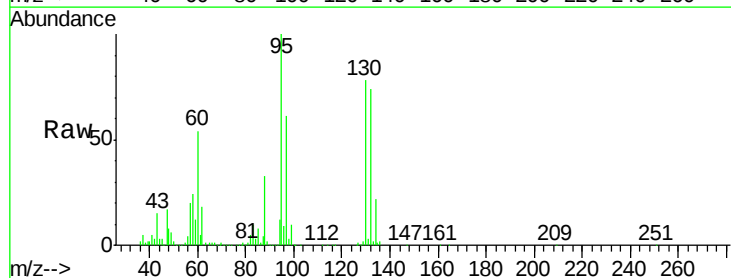
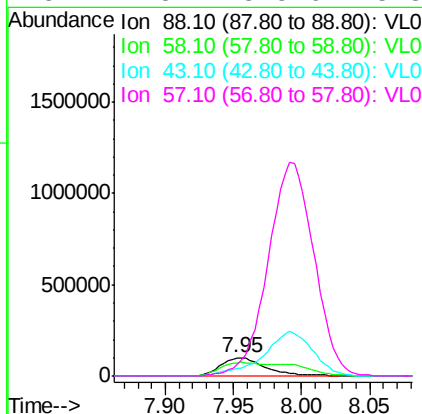
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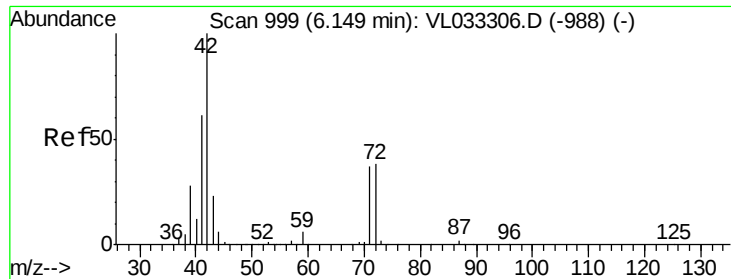
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#40
 1,4-Dioxane
 Concen: 9.046 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.7	97.7	146.5
43	273.5	199.4	299.2
57	1215.1	875.6	1313.4





#41

Tetrahydrofuran

Concen: 9.413 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

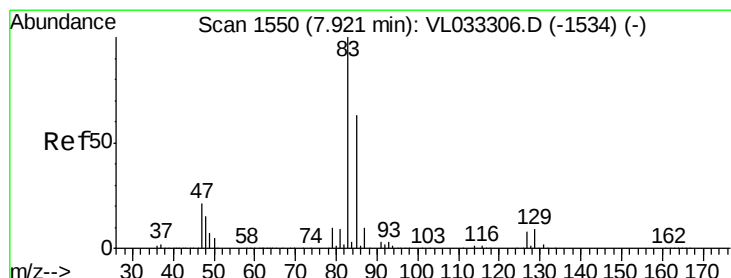
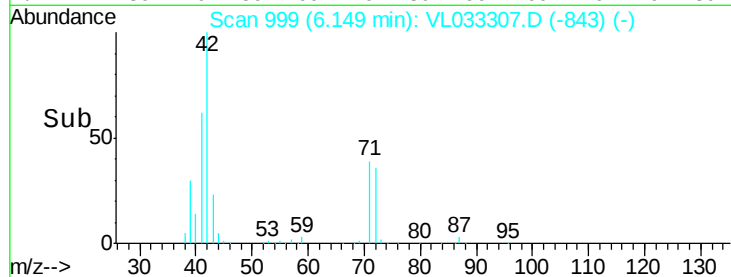
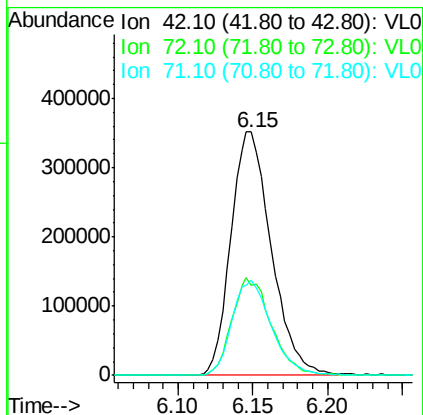
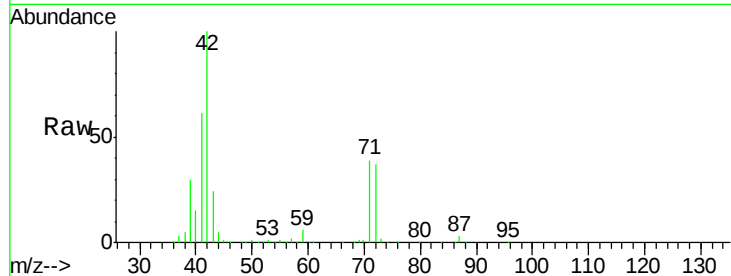
ClientSampleId :

ICVVL031319

Tgt Ion:	42	Resp:	661478
Ion Ratio		Lower	Upper
42	100		
72	39.1	30.8	46.2
71	38.1	30.0	45.0

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#42

Bromodichloromethane

Concen: 9.489 ppbv

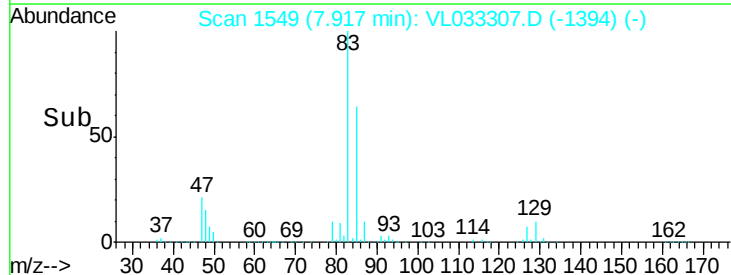
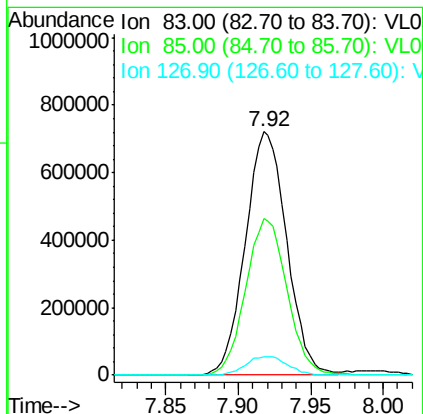
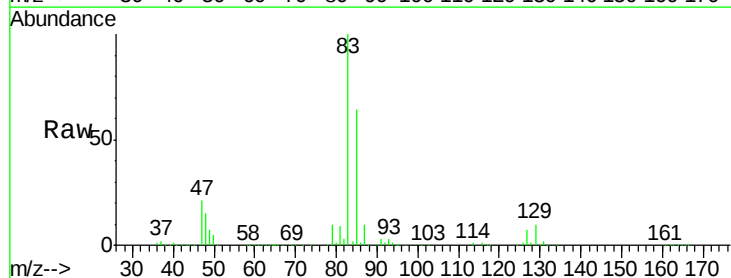
RT: 7.92 min Scan# 1549

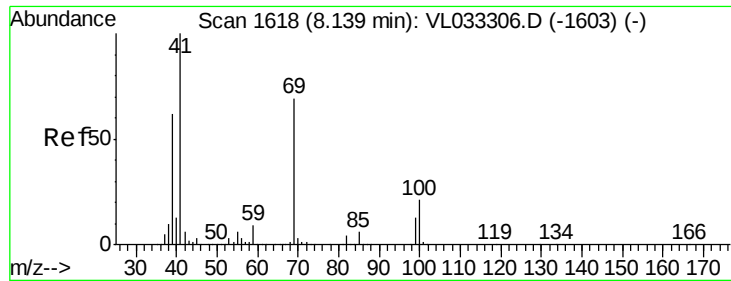
Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion:	83	Resp:	1429676
Ion Ratio		Lower	Upper
83	100		
85	64.2	51.0	76.4
127	7.4	6.6	10.0





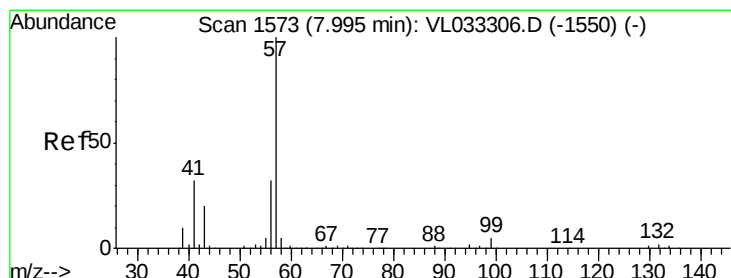
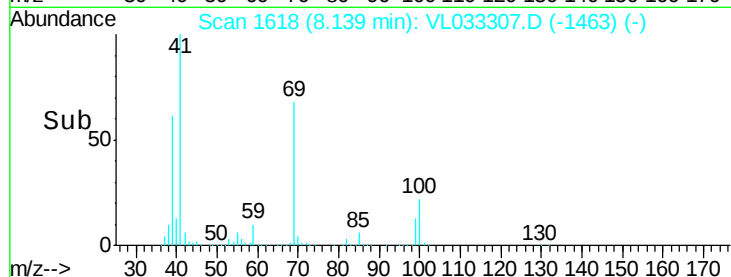
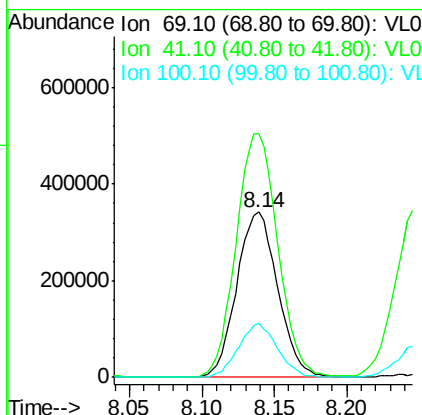
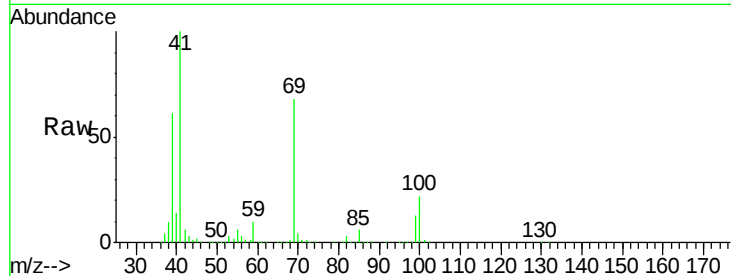
#43
Methyl Methacrylate
Concen: 9.365 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion	Ratio	Lower	Upper
69	100		
41	150.6	117.0	175.4
100	31.1	24.3	36.5

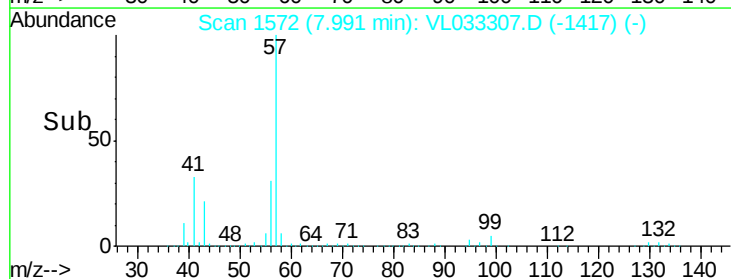
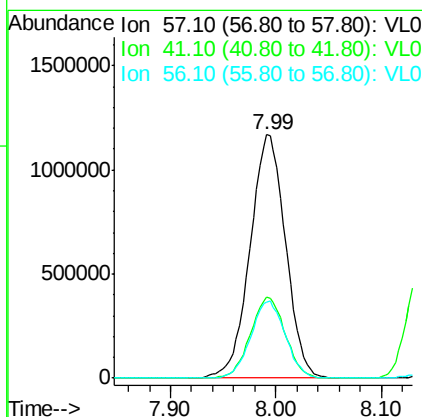
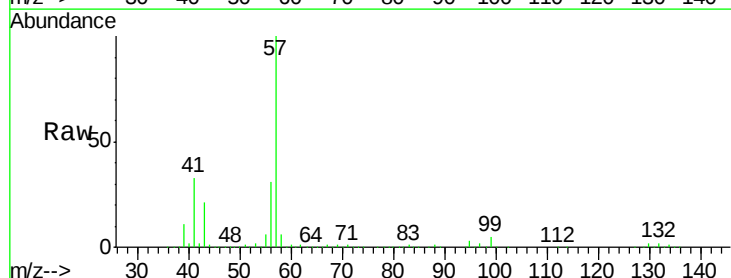
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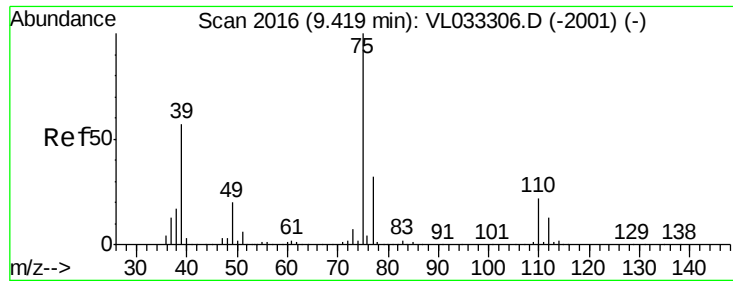
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.911 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.4	25.9	38.9
56	30.9	24.6	36.8





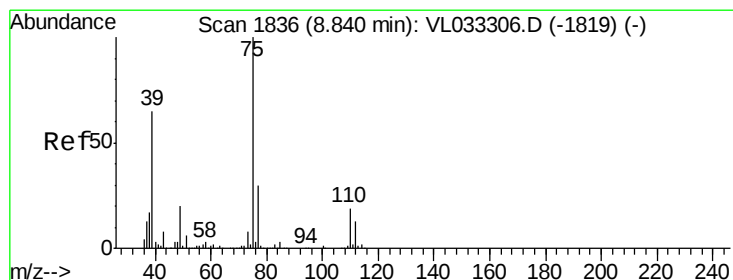
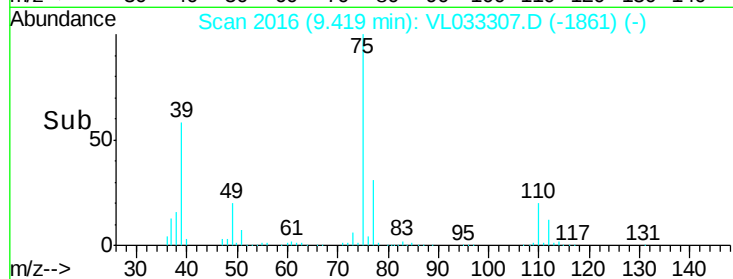
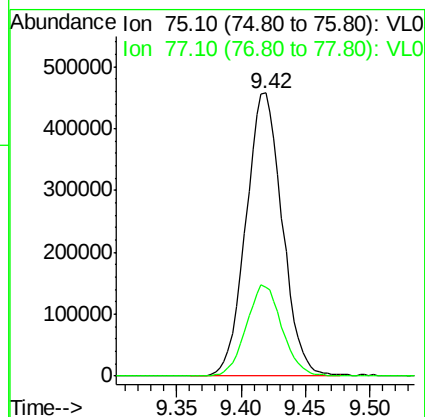
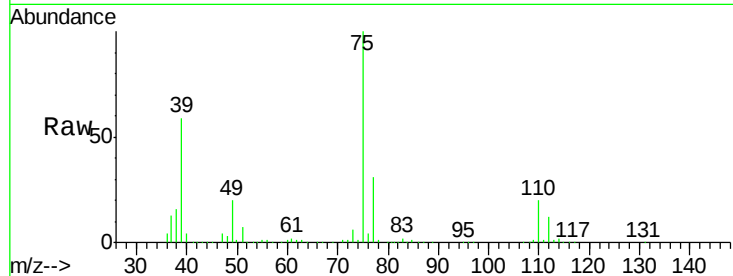
#45
t-1,3-Dichloropropene
Concen: 10.685 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 75 Resp: 897647
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

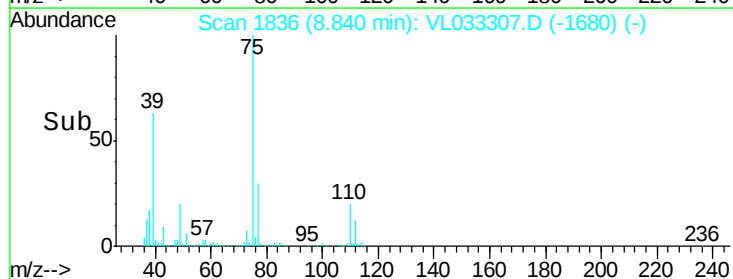
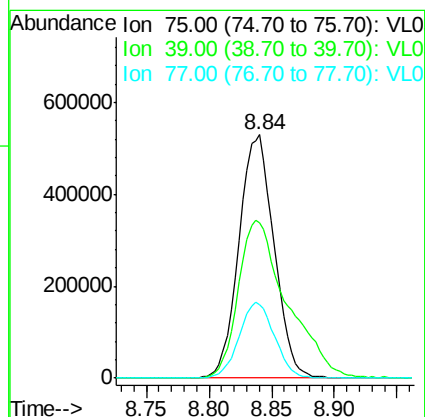
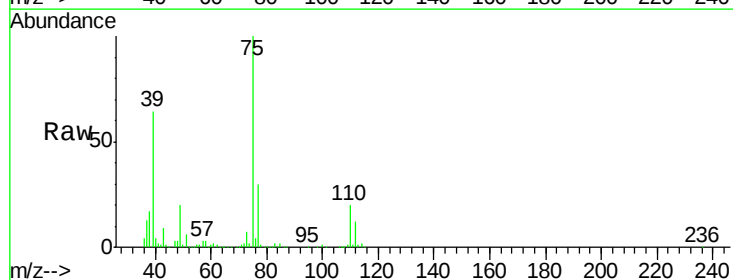
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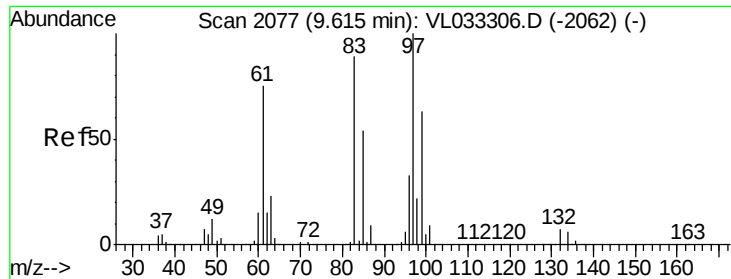
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3/15/2019 10:41:56 PM



#46
cis-1,3-Dichloropropene
Concen: 10.178 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 75 Resp: 1030177
Ion Ratio Lower Upper
75 100
39 63.5 53.4 80.2
77 30.1 23.7 35.5





#47

1,1,2-Trichloroethane

Concen: 9.101 ppbv

RT: 9.62 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 97 Resp: 673099

Ion Ratio Lower Upper

97 100

83 90.0 72.7 109.1

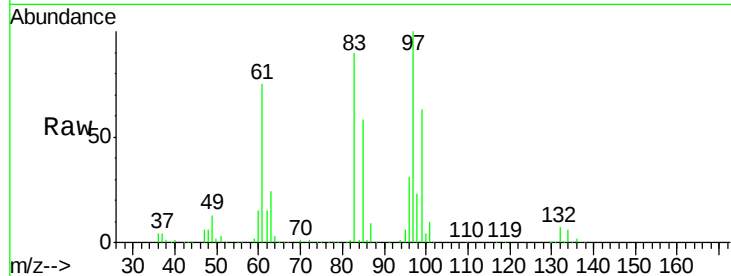
85 58.0 45.6 68.4

99 63.4 48.5 72.7

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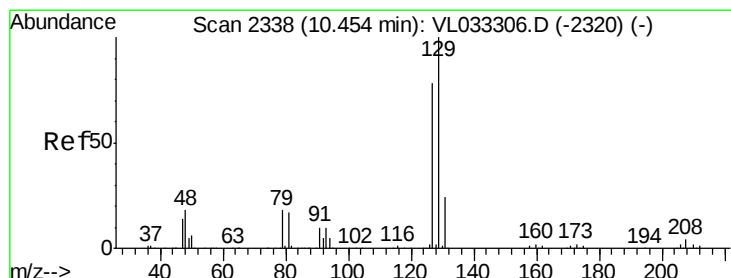
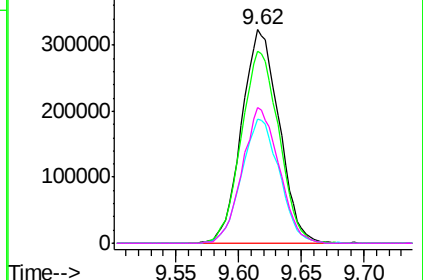
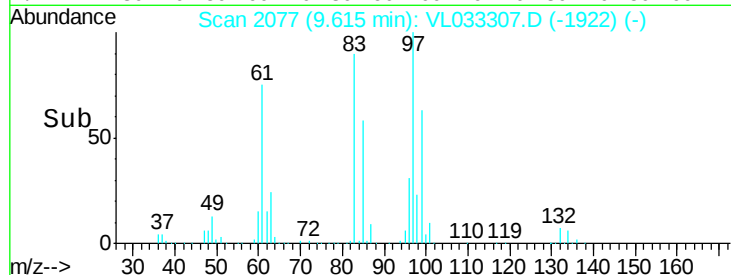


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.756 ppbv

RT: 10.45 min Scan# 2338

Delta R.T. 0.00 min

Lab File: VL033307.D

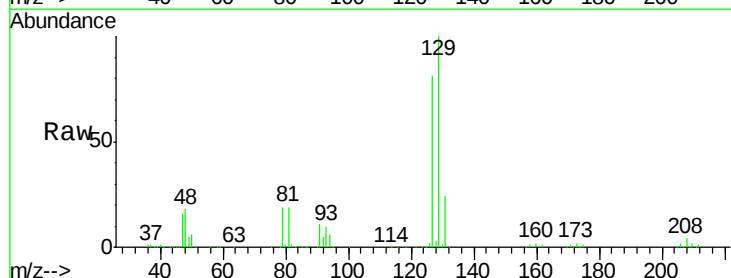
Acq: 14 Mar 2019 2:34

Tgt Ion: 129 Resp: 1187031

Ion Ratio Lower Upper

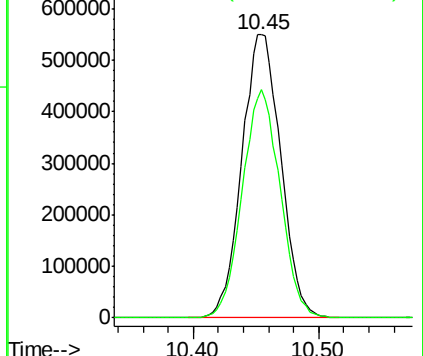
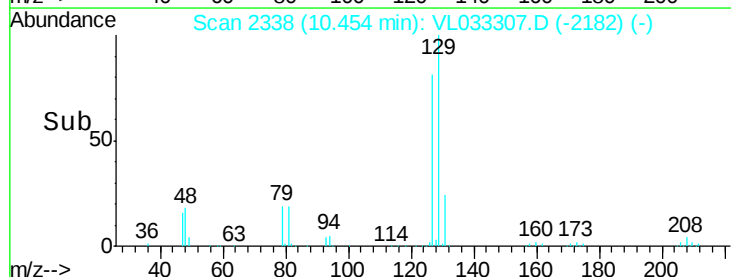
129 100

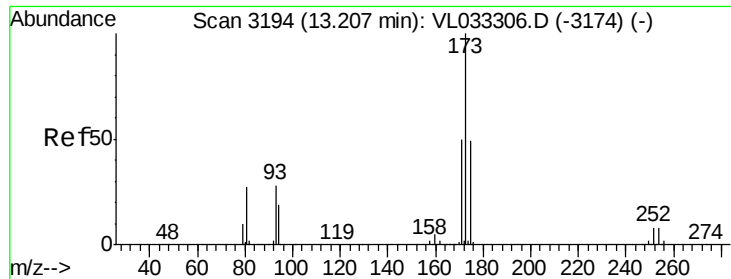
127 78.4 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





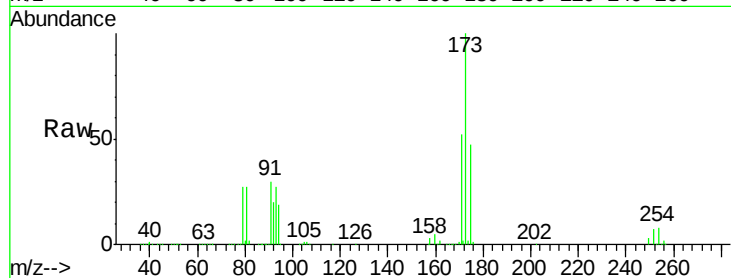
#49
Bromoform
Concen: 11.260 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

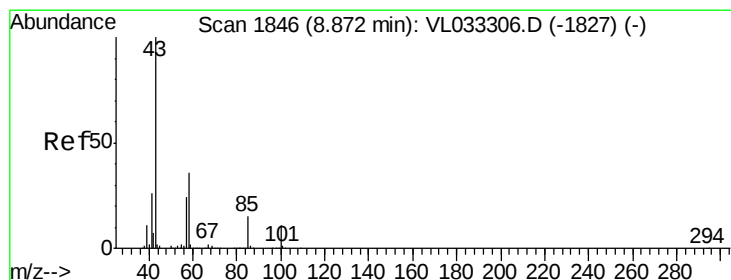
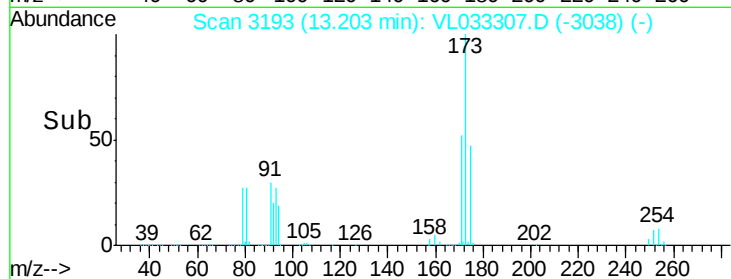
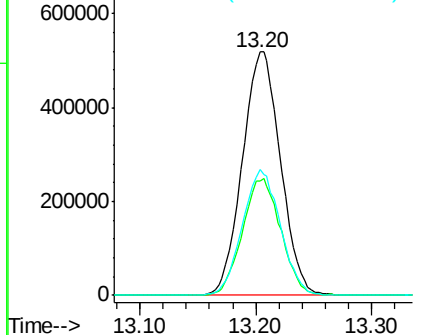
Tgt Ion:173 Resp: 1186939
Ion Ratio Lower Upper
173 100
175 48.3 38.6 58.0
171 51.4 42.0 63.0

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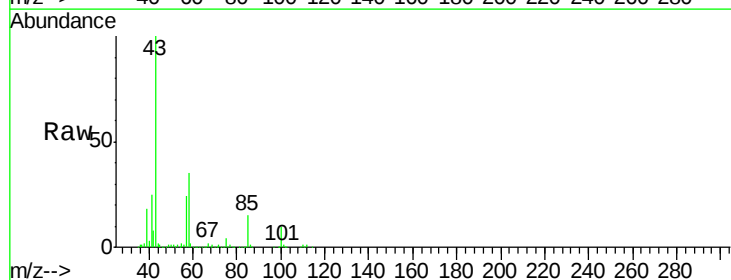


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

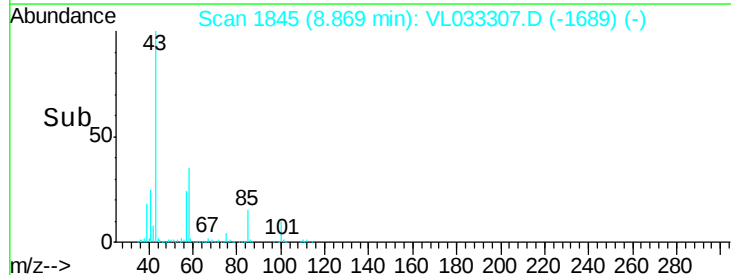
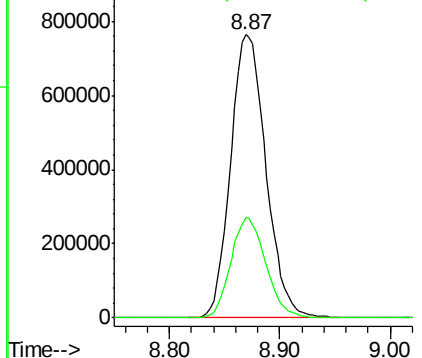


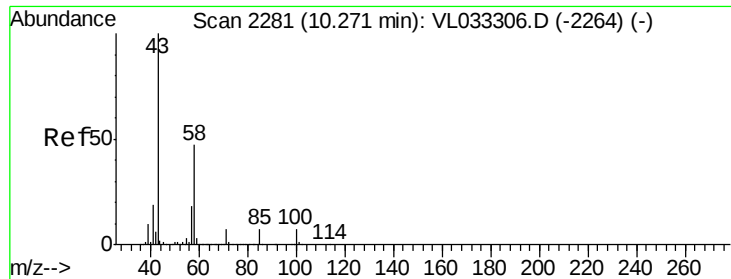
#50
4-Methyl-2-Pentanone
Concen: 9.223 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 43 Resp: 1692719
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.2



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





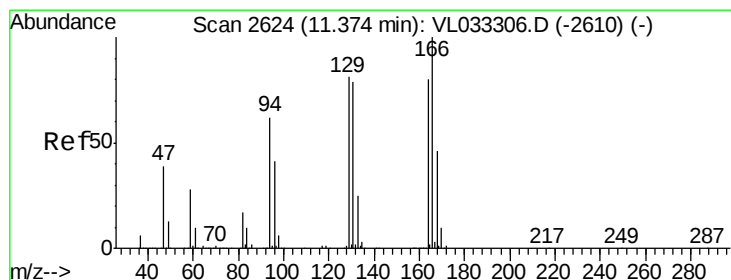
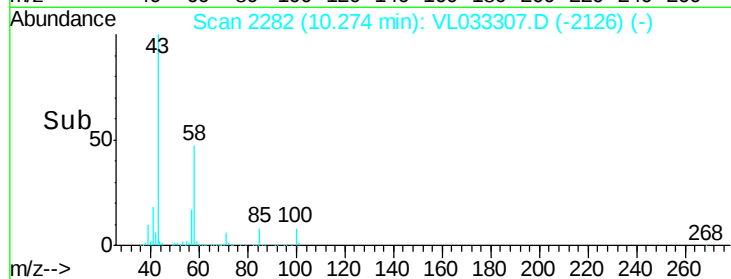
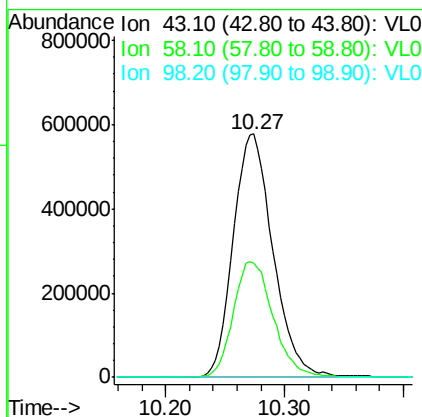
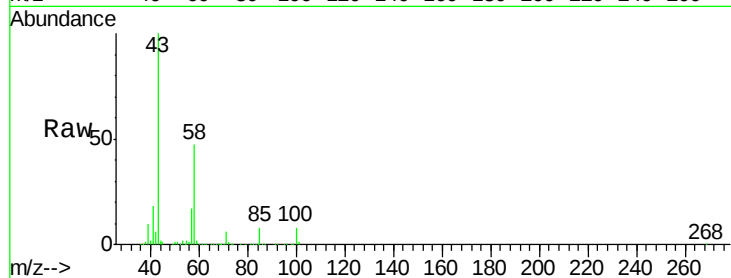
#51
2-Hexanone
Concen: 9.528 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 43 Resp: 1335079
Ion Ratio Lower Upper
43 100
58 47.9 38.4 57.6
98 0.1 0.2 0.2#

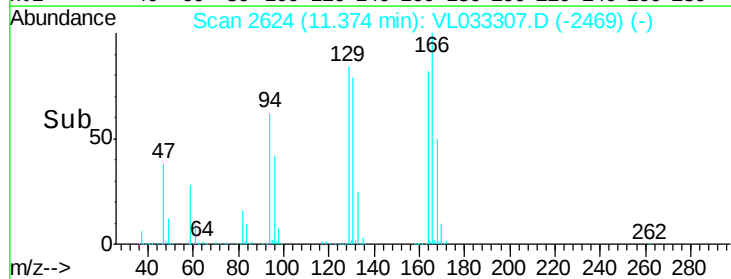
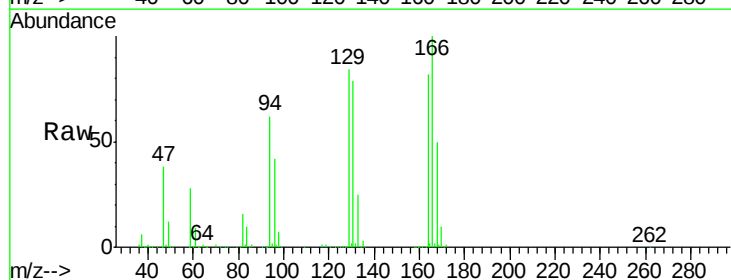
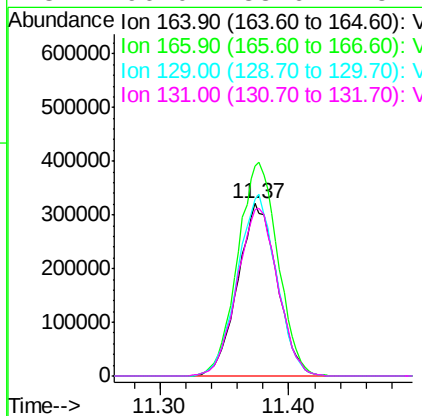
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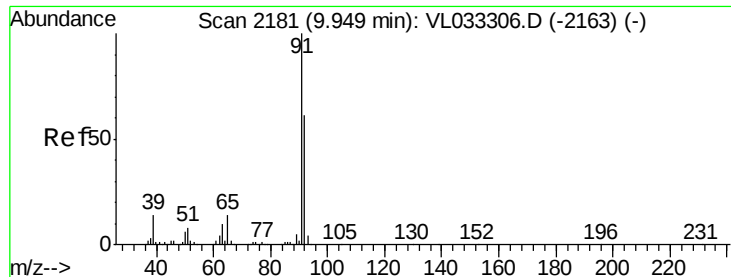
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#52
Tetrachloroethene
Concen: 9.217 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 164 Resp: 681238
Ion Ratio Lower Upper
164 100
166 121.8 103.2 154.8
129 102.3 85.8 128.8
131 96.0 83.6 125.4





#53

Toluene

Concen: 9.444 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 91 Resp: 1945712

Ion Ratio Lower Upper

91 100

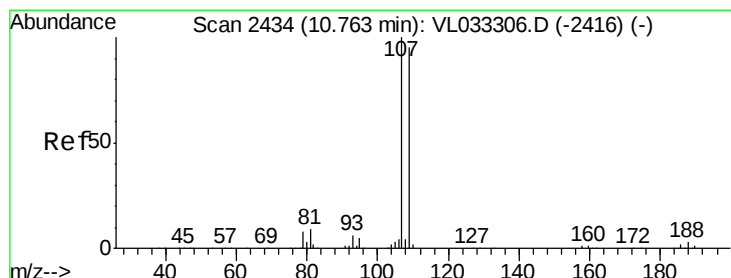
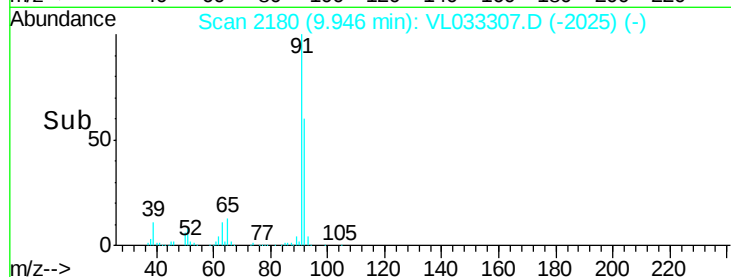
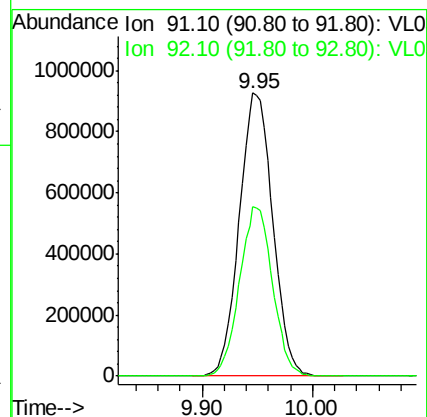
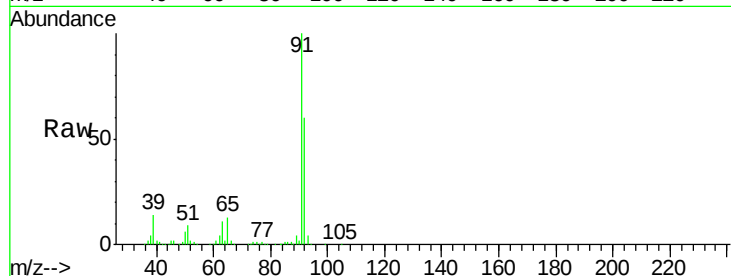
92 59.1 47.4 71.2

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#54

1,2-Dibromoethane

Concen: 9.107 ppbv

RT: 10.76 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL033307.D

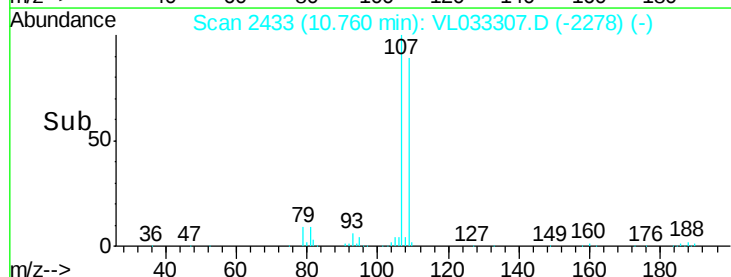
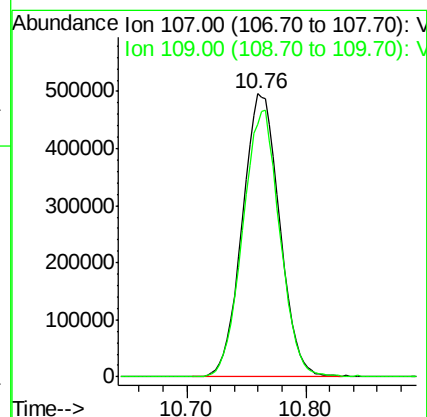
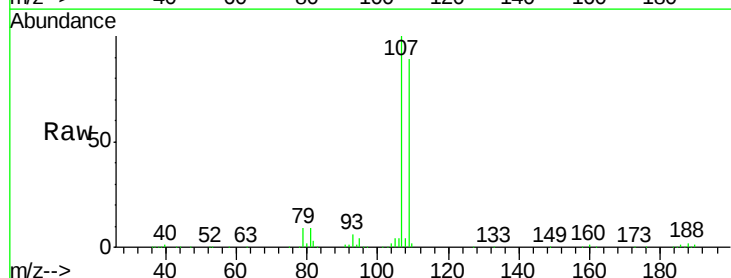
Acq: 14 Mar 2019 2:34

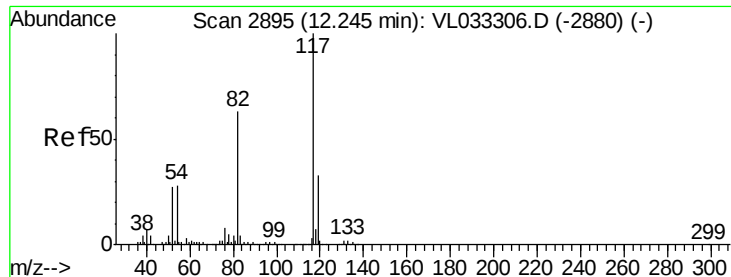
Tgt Ion: 107 Resp: 1075252

Ion Ratio Lower Upper

107 100

109 89.1 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion:117 Resp: 2279597

Ion Ratio Lower Upper

117 100

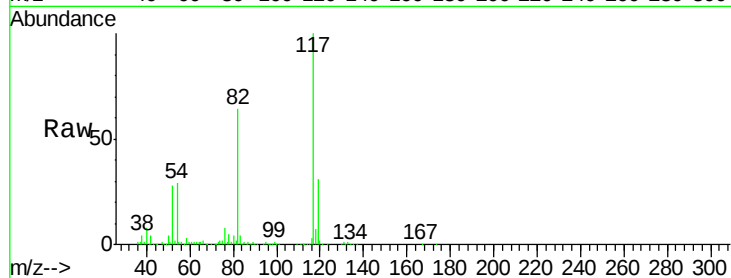
82 61.3 51.3 76.9

119 31.9 27.0 40.4

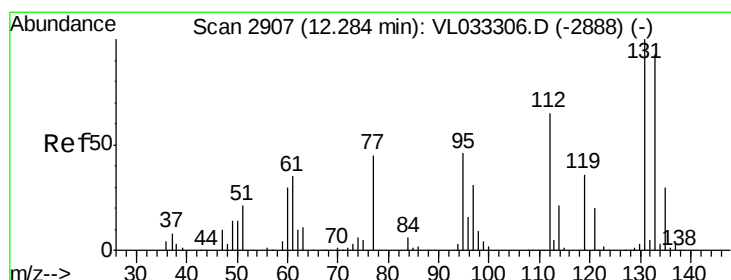
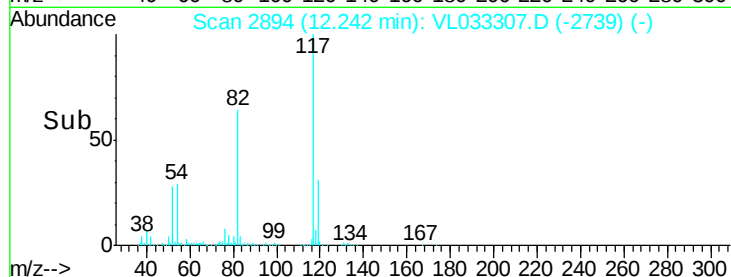
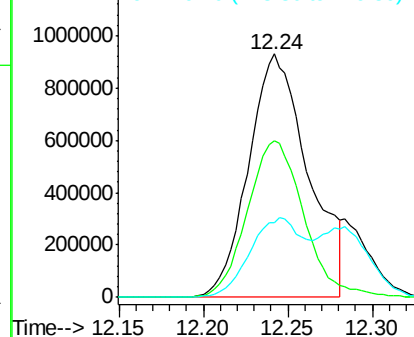
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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.142 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

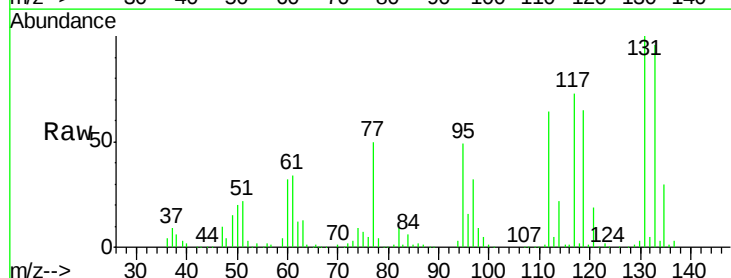
Tgt Ion:131 Resp: 935109

Ion Ratio Lower Upper

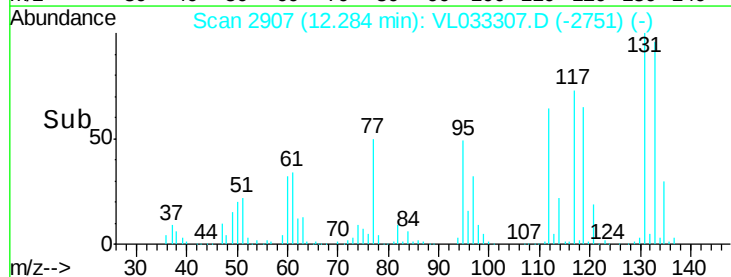
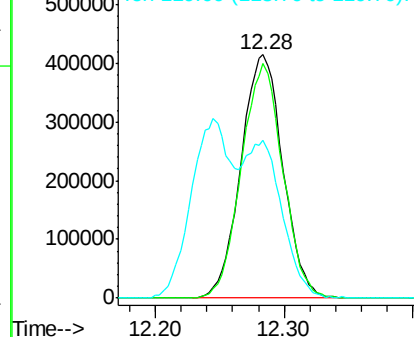
131 100

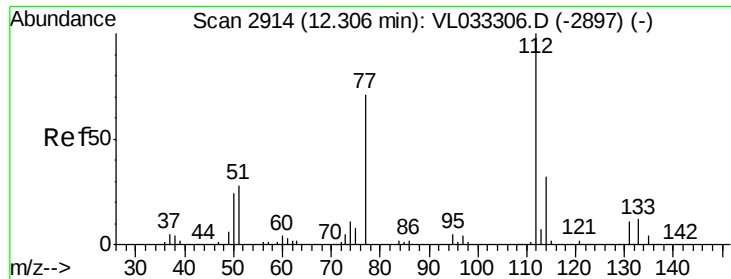
133 95.5 75.3 112.9

119 63.3 45.0 67.4



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





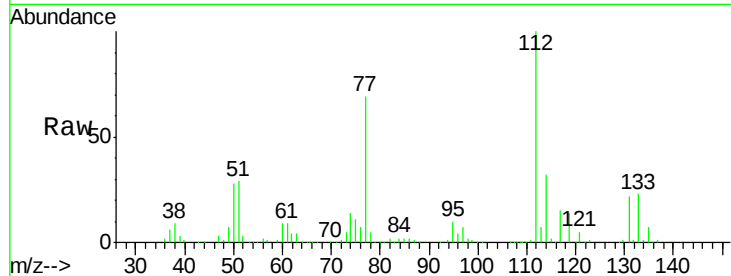
#57
Chlorobenzene
Concen: 8.640 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

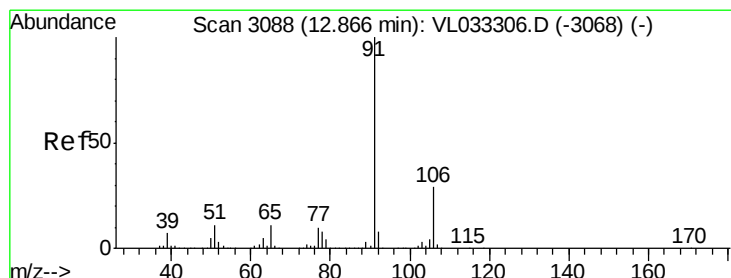
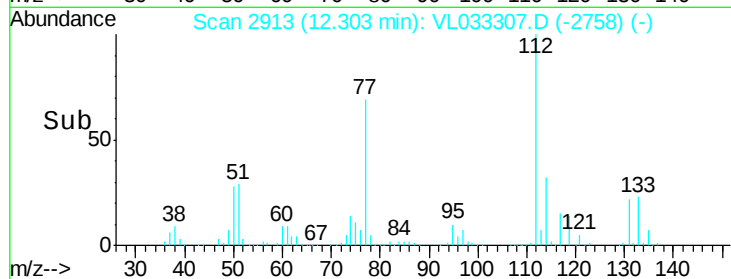
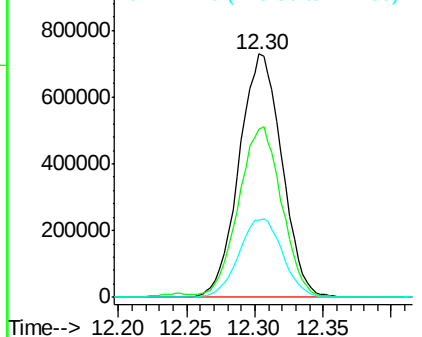
Tgt Ion: 112 Resp: 1590183
Ion Ratio Lower Upper
112 100
77 68.9 54.7 82.1
114 31.7 29.6 36.2

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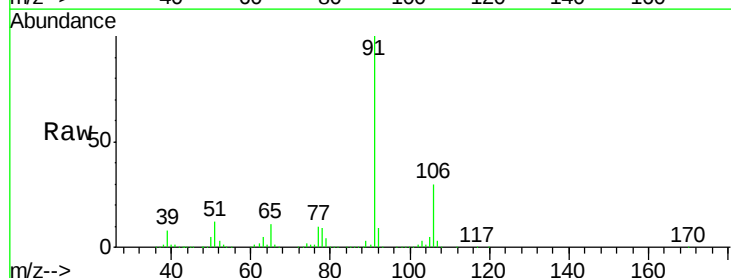


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

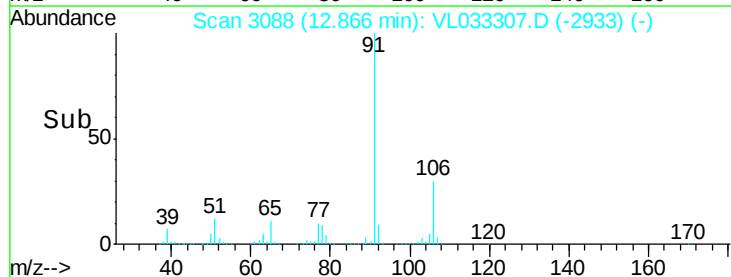
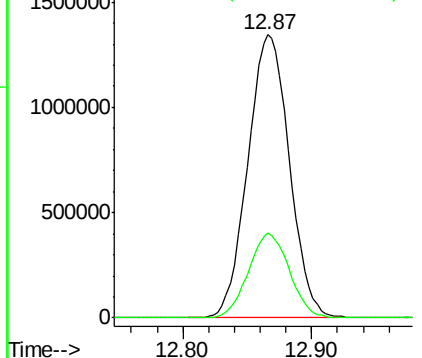


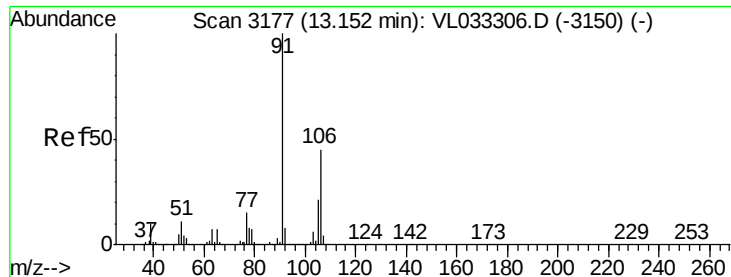
#58
Ethyl Benzene
Concen: 9.195 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 3008971
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





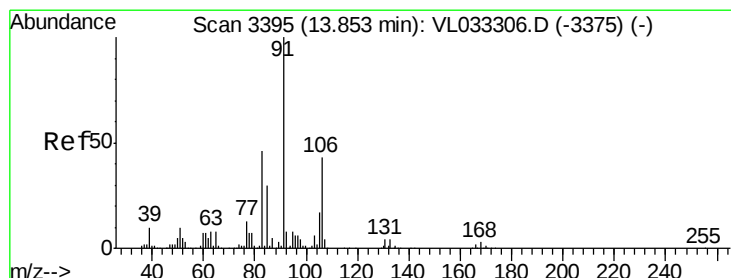
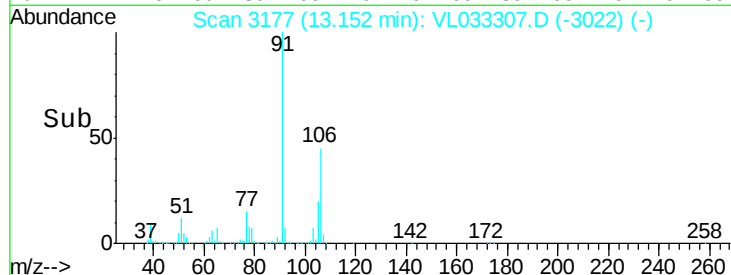
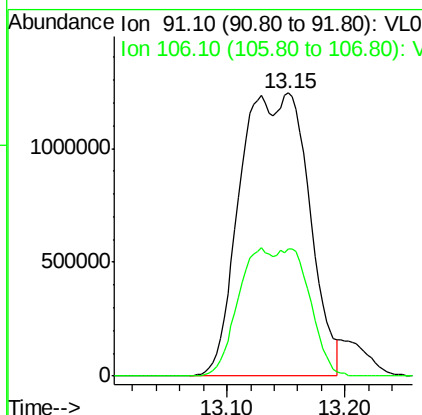
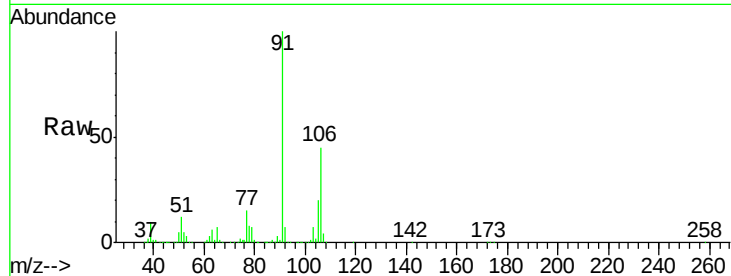
#59
m/p-Xylene
Concen: 18.207 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 91 Resp: 5009811
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

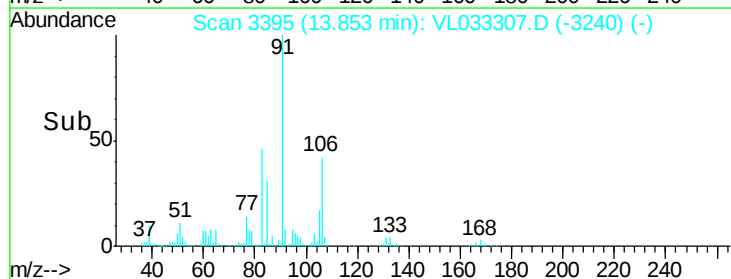
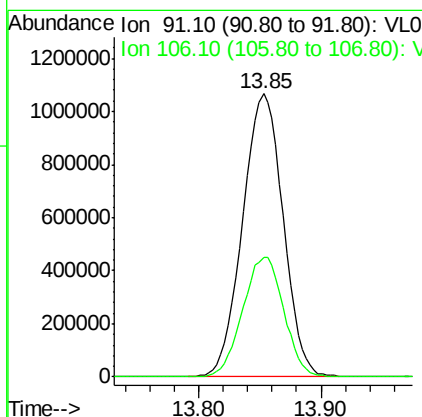
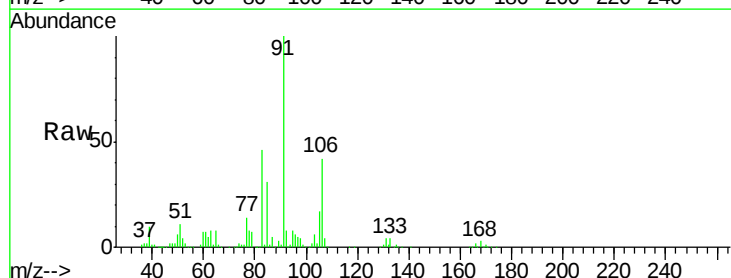
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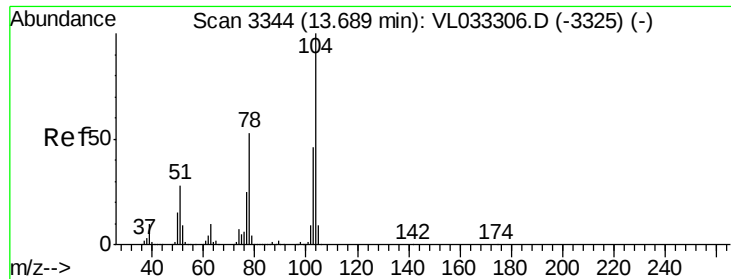
MMDadoda
3/15/2019 10:41:56 PM



#60
o-Xylene
Concen: 9.202 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 2442381
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3





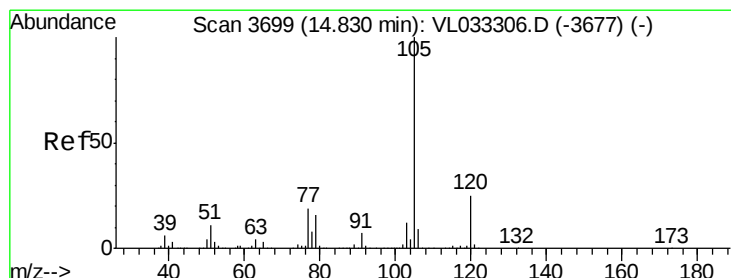
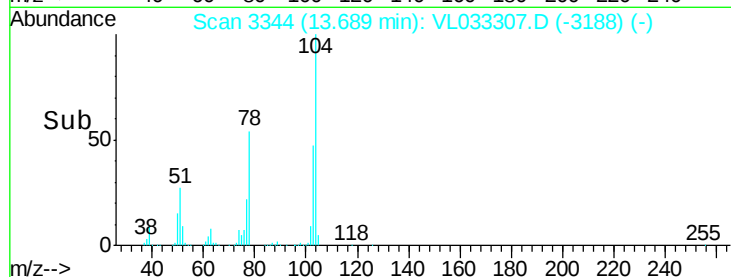
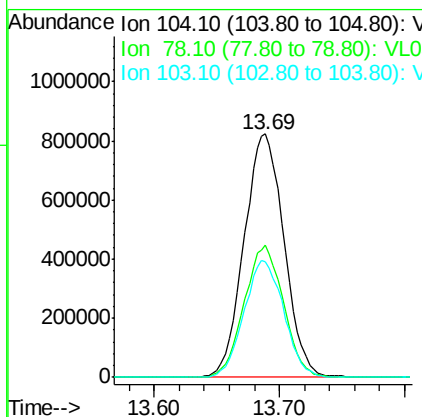
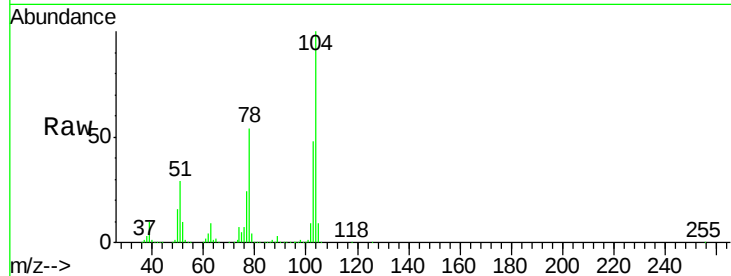
#61
Styrene
Concen: 9.788 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampled :
ICVVL031319

Tgt Ion:104 Resp: 1822938
Ion Ratio Lower Upper
104 100
78 53.5 43.3 64.9
103 47.8 38.2 57.2

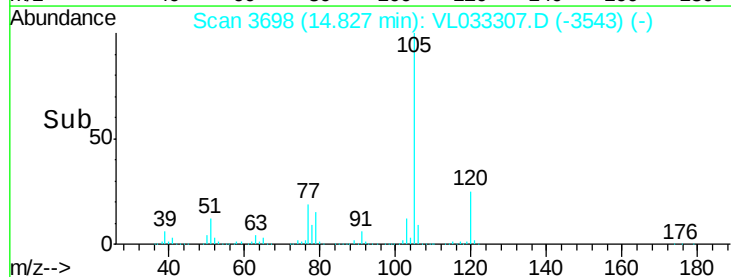
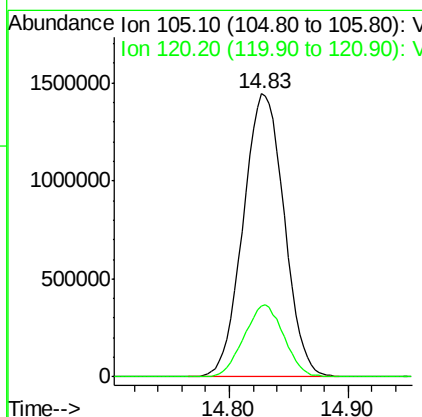
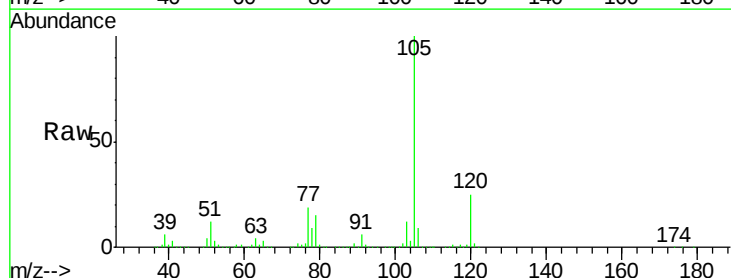
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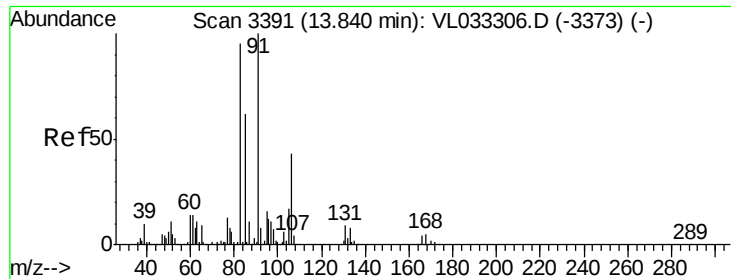
MMDadoda
3/15/2019 10:41:56 PM



#62
Isopropylbenzene
Concen: 9.221 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion:105 Resp: 3442889
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 8.685 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion: 83 Resp: 1661440

Ion Ratio Lower Upper

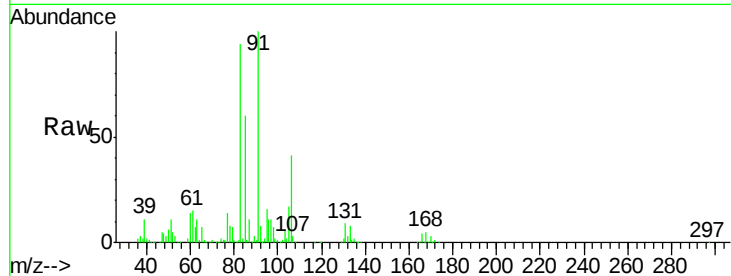
83 100

131 9.4 4.6 13.8

85 65.0 32.5 97.4

Manual Integrations
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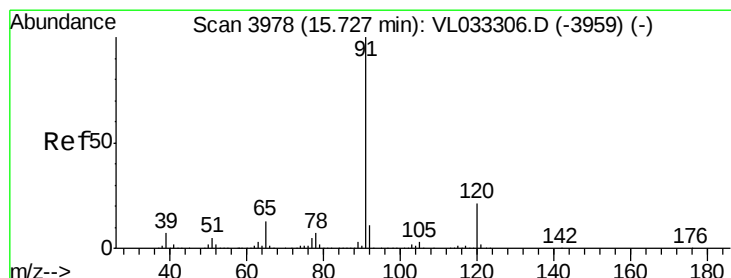
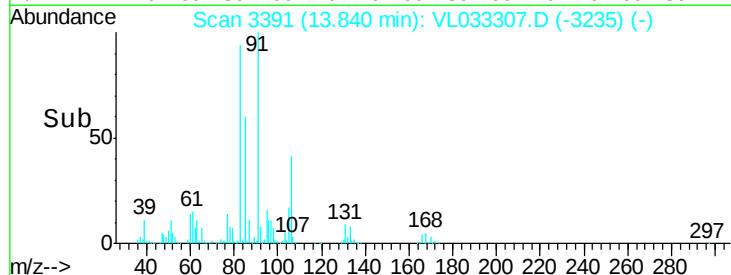
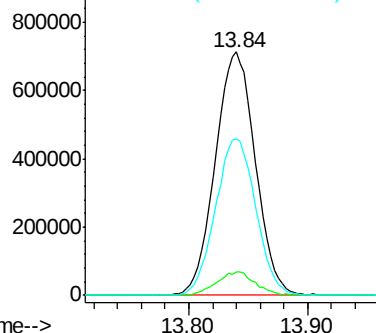
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.447 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.00 min

Lab File: VL033307.D

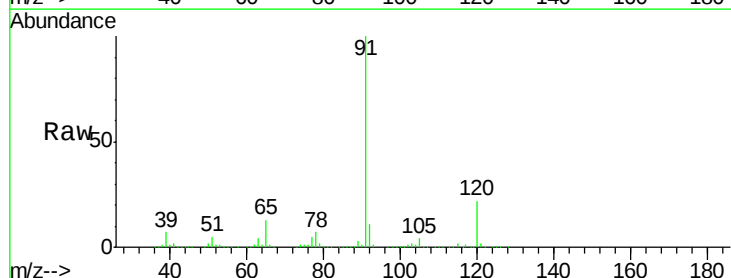
Acq: 14 Mar 2019 2:34

Tgt Ion: 120 Resp: 874668

Ion Ratio Lower Upper

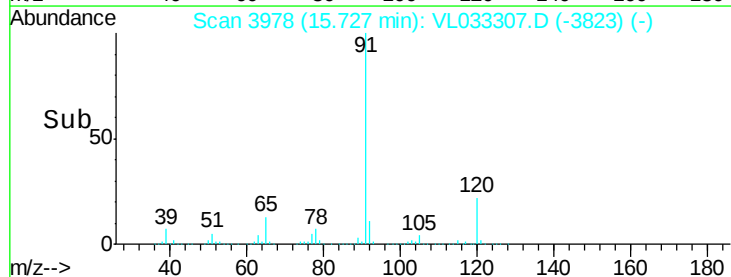
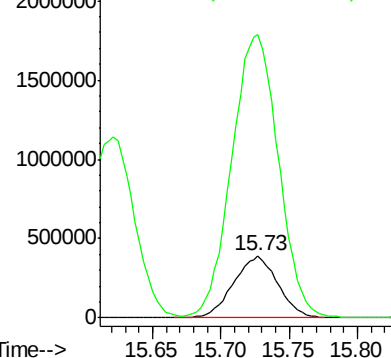
120 100

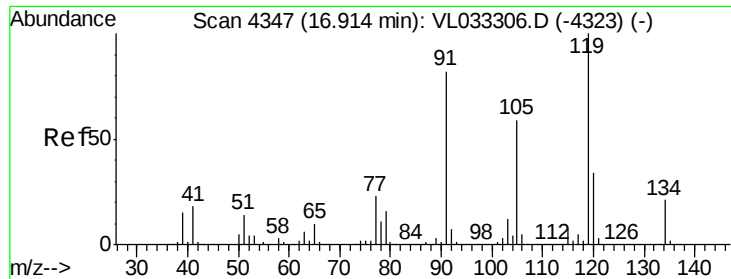
91 485.1 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





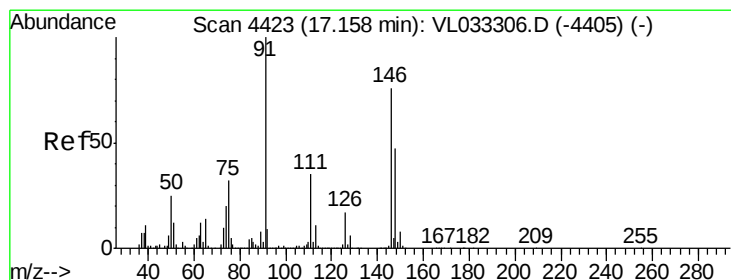
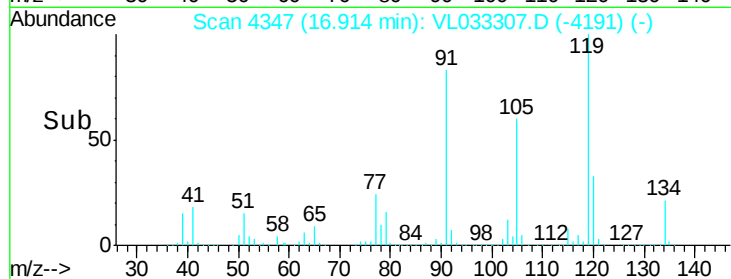
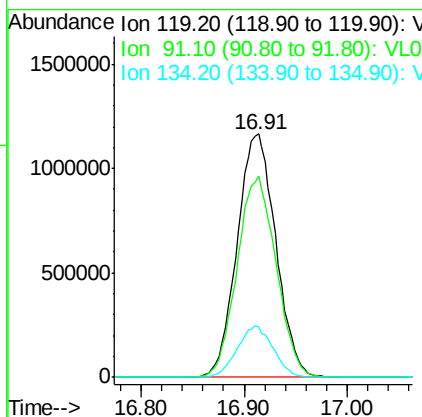
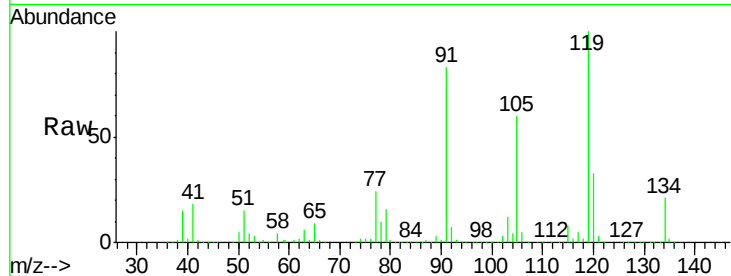
#65
tert-Butylbenzene
Concen: 9.607 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

Tgt Ion: 119 Resp: 3031797
Ion Ratio Lower Upper
119 100
91 83.5 66.4 99.6
134 19.7 15.4 23.2

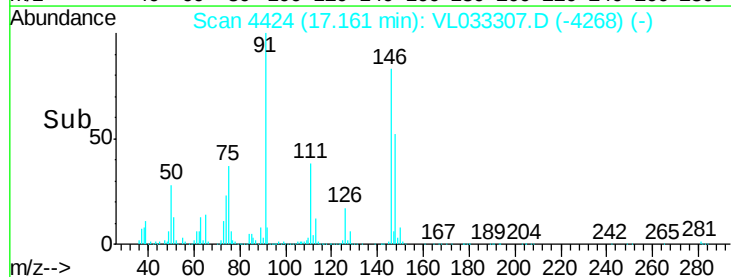
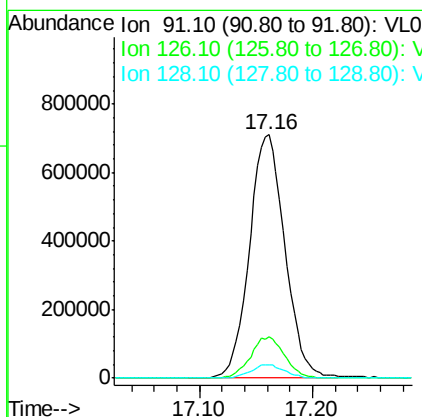
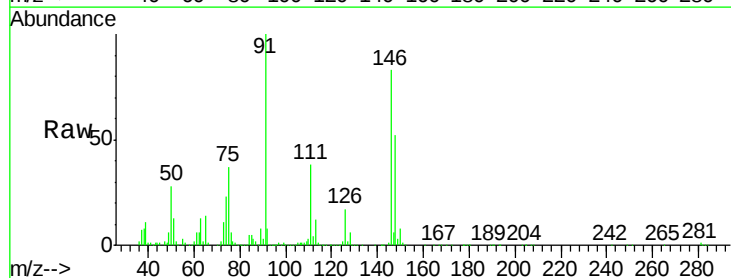
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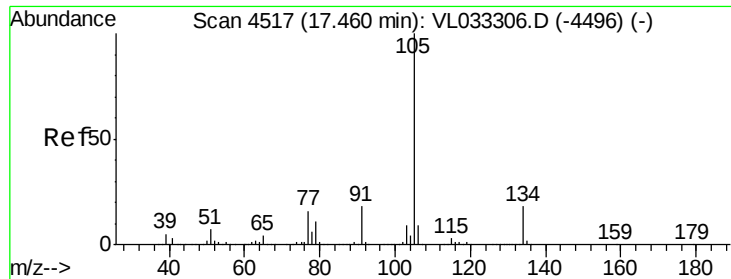
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#66
Benzyl Chloride
Concen: 12.297 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion: 91 Resp: 1544009
Ion Ratio Lower Upper
91 100
126 16.4 12.9 19.3
128 5.3 4.2 6.2





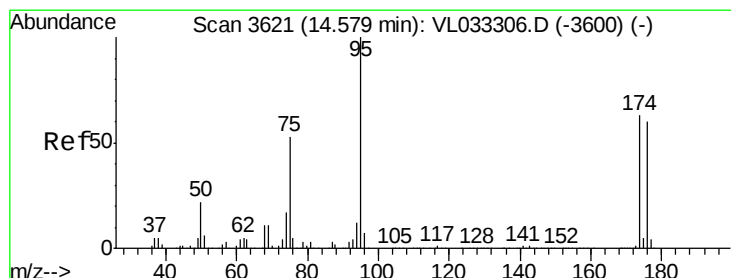
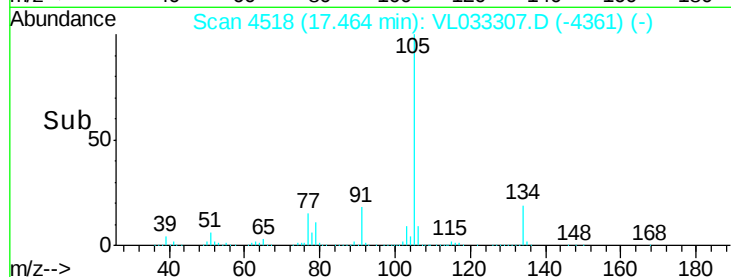
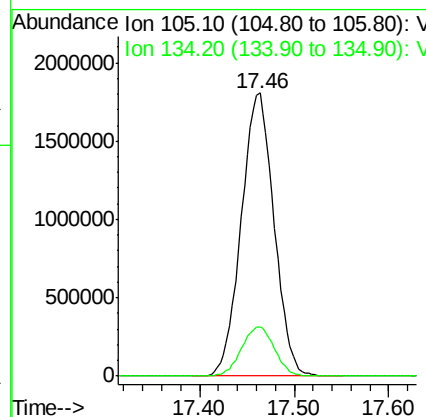
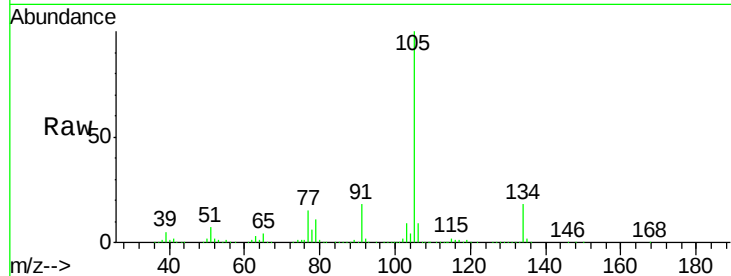
#67
 sec-Butylbenzene
 Concen: 9.559 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. 0.01 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion: 105 Resp: 4337330
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2

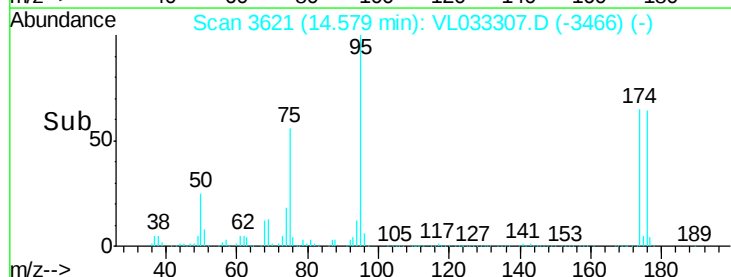
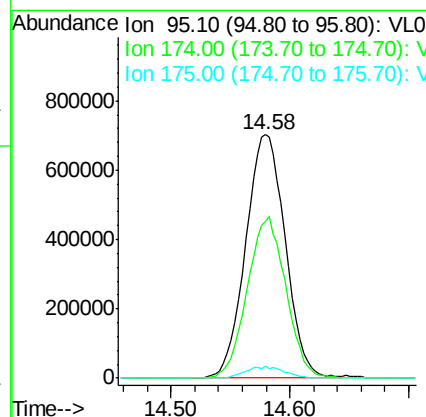
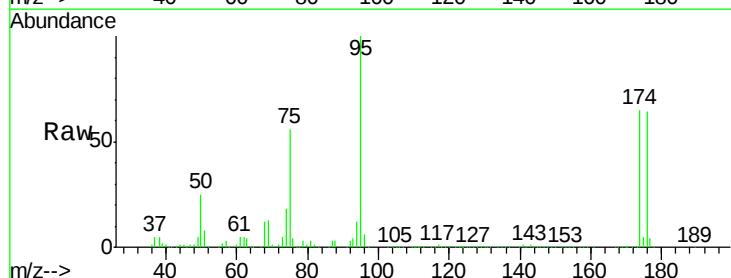
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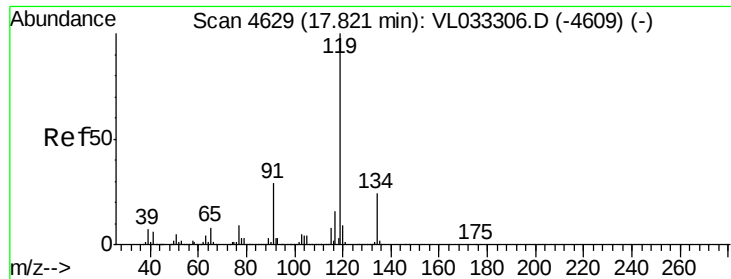
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.285 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 95 Resp: 1616419
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.9 77.9
 175 4.6 3.9 5.9





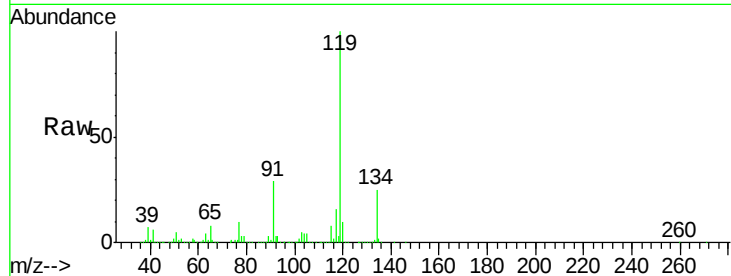
#69
p-Isopropyltoluene
Concen: 9.840 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031319

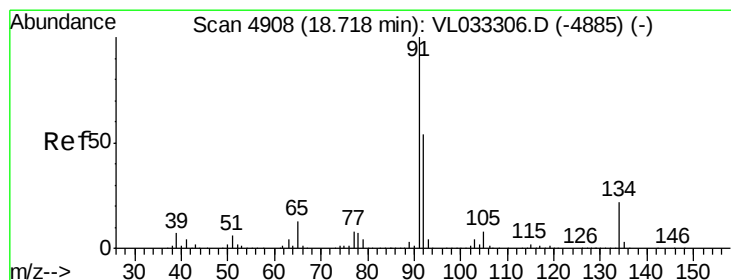
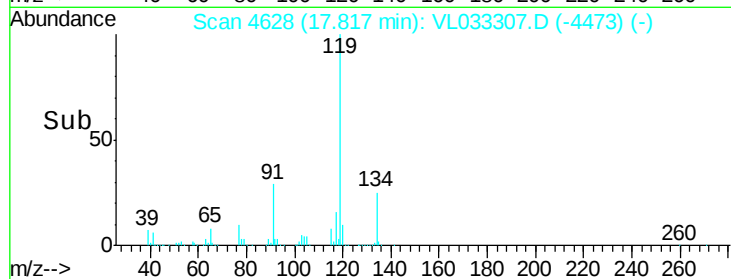
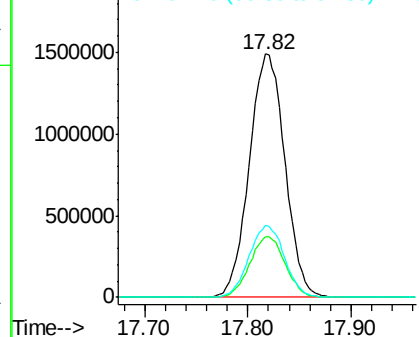
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.6
91	29.4	23.8	35.8

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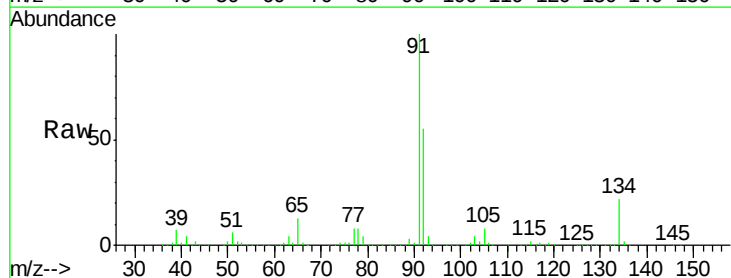


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

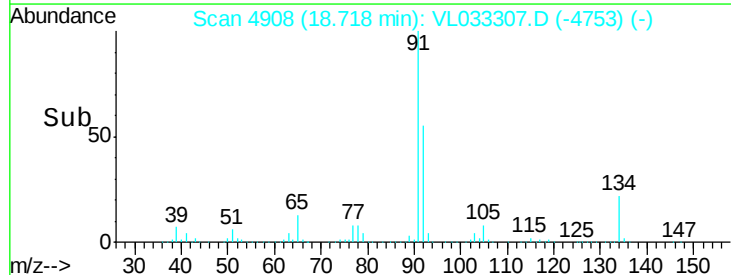
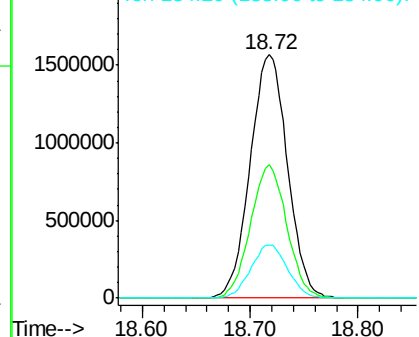


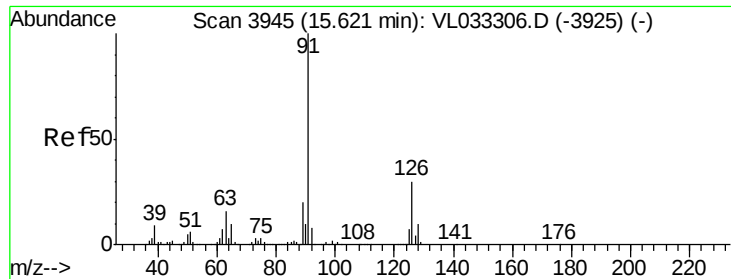
#70
n-Butylbenzene
Concen: 9.914 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033307.D
Acq: 14 Mar 2019 2:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	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





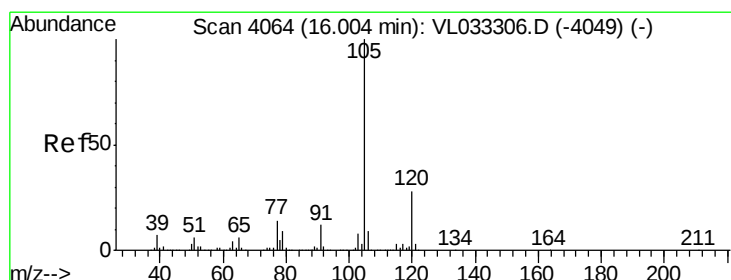
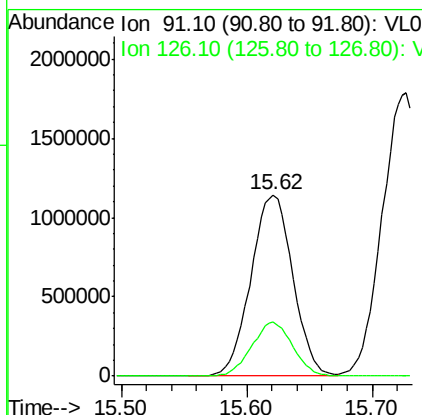
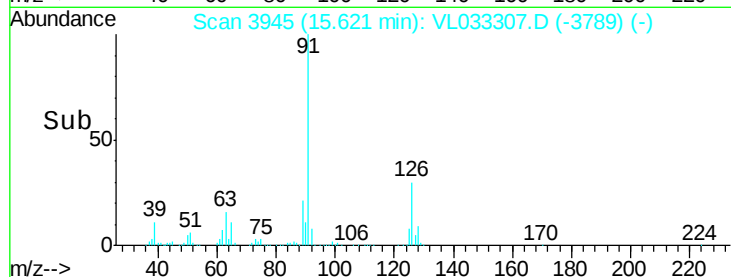
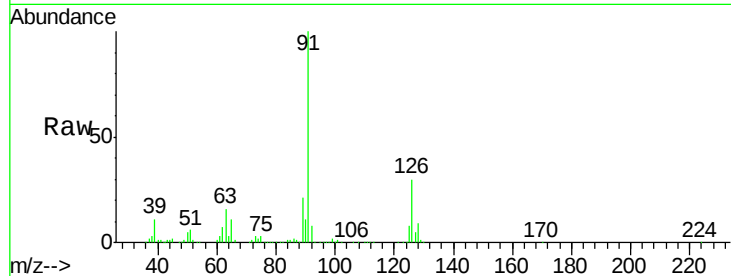
#71
 2-Chlorotoluene
 Concen: 9.509 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion: 91 Resp: 2659224
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.8 47.0

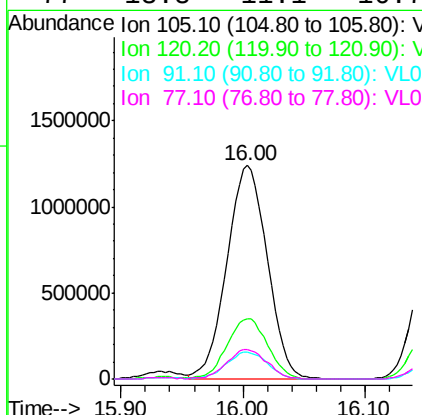
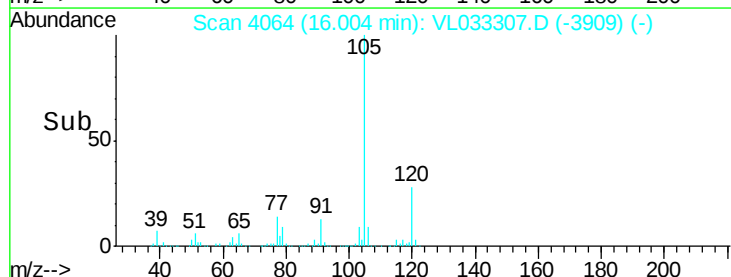
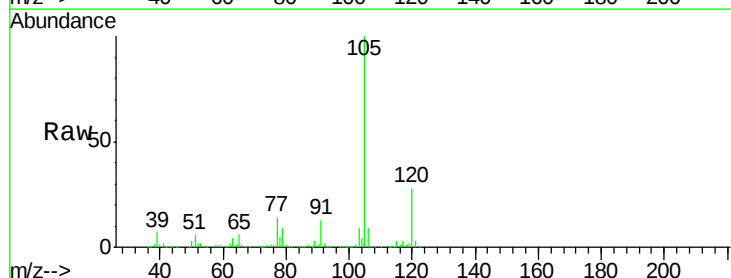
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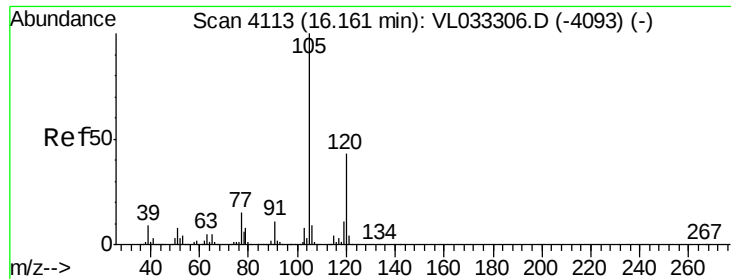
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#72
 4-Ethyltoluene
 Concen: 10.002 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion: 105 Resp: 2843673
 Ion Ratio Lower Upper
 105 100
 120 28.6 22.7 34.1
 91 12.9 10.3 15.5
 77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.208 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion:105 Resp: 2728899

Ion Ratio Lower Upper

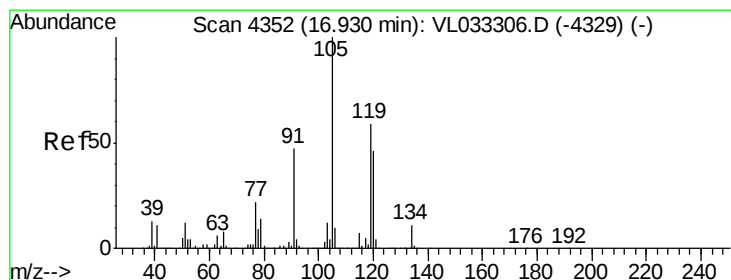
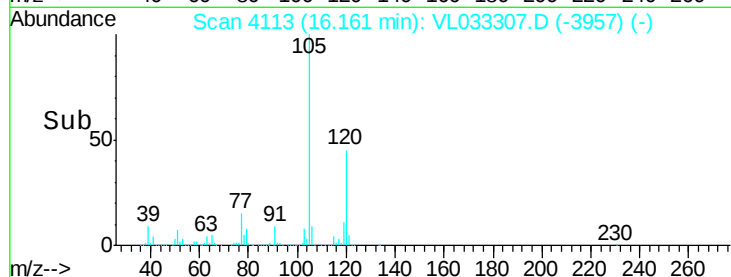
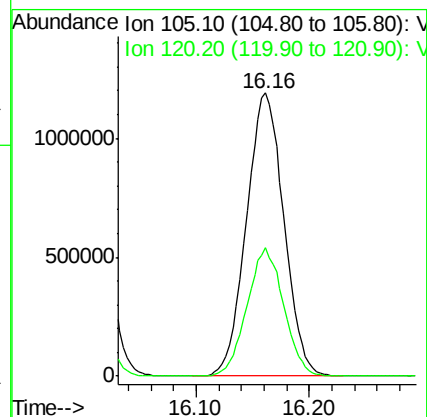
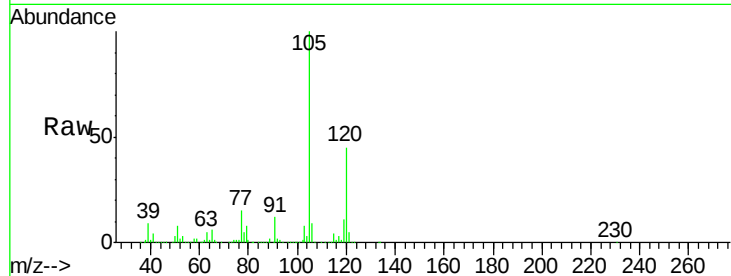
105 100

120 45.2 34.6 52.0

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#74

1,2,4-Trimethylbenzene

Concen: 10.228 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Tgt Ion:105 Resp: 2790278

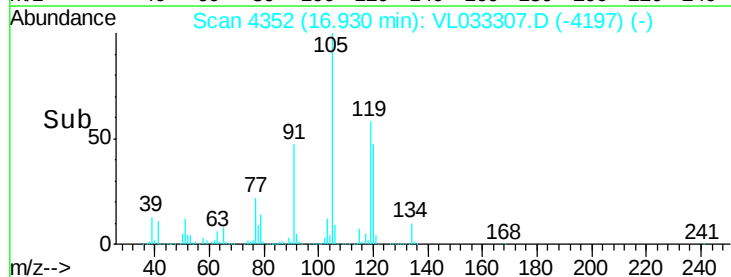
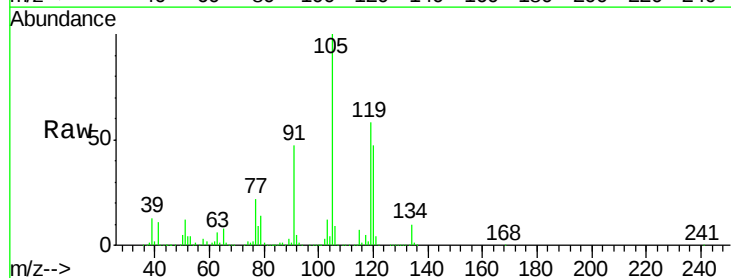
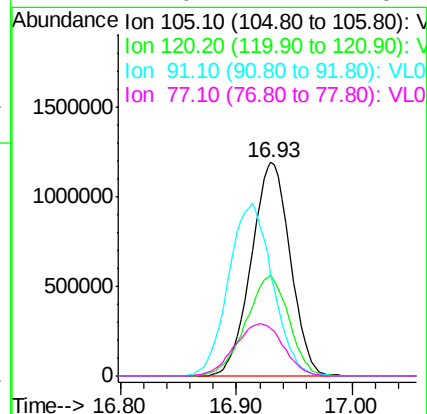
Ion Ratio Lower Upper

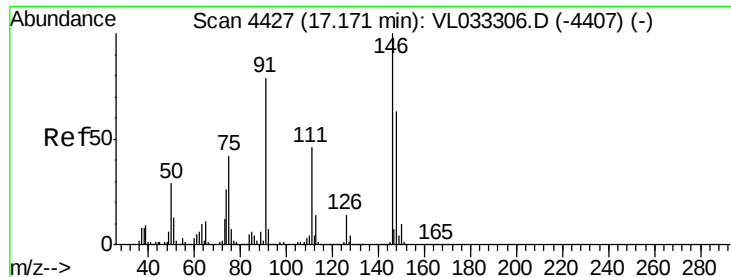
105 100

120 47.3 35.2 52.8

91 47.1 34.0 51.0

77 22.0 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.244 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031319

Tgt Ion:146 Resp: 1578554

Ion Ratio Lower Upper

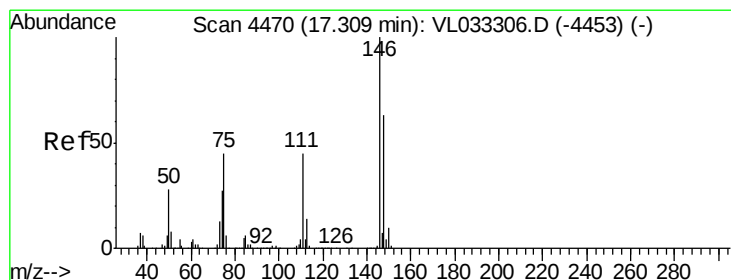
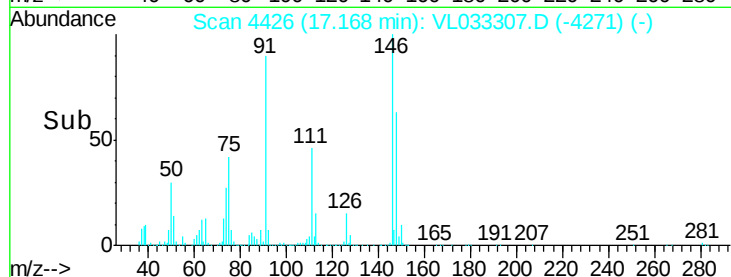
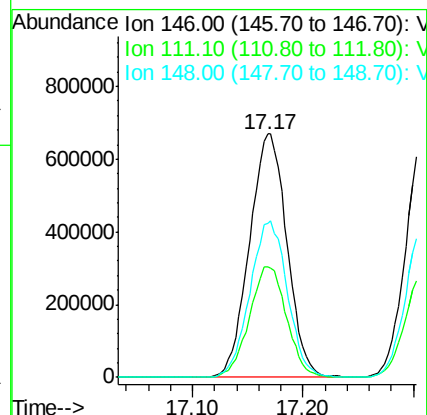
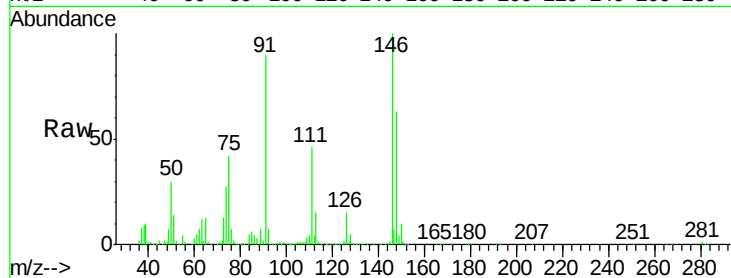
146 100

111 45.2 22.9 68.7

148 64.3 32.4 97.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.516 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

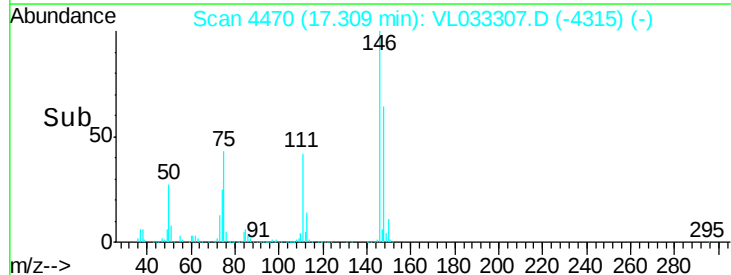
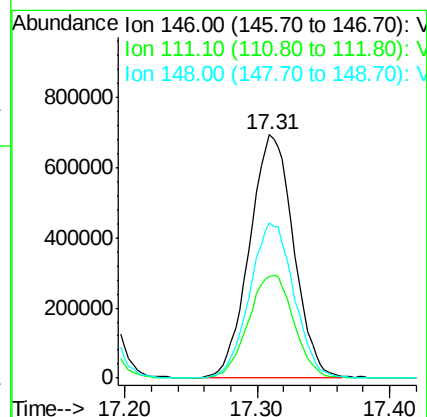
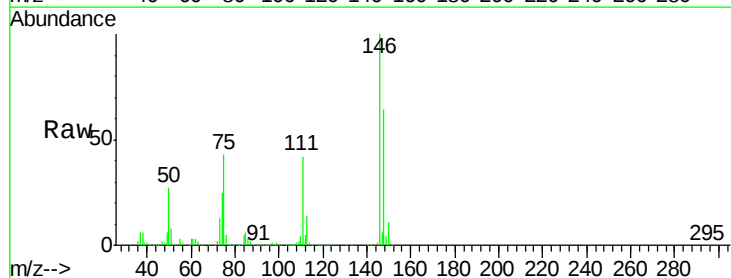
Tgt Ion:146 Resp: 1586745

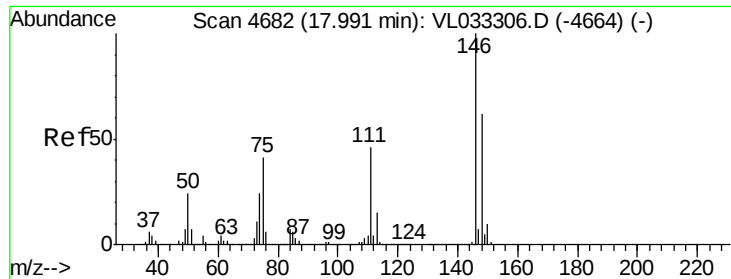
Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.5

148 65.0 31.8 95.4





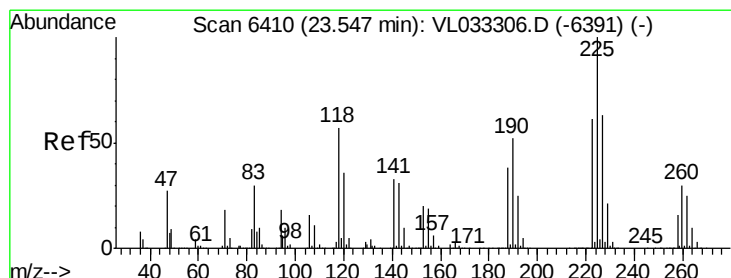
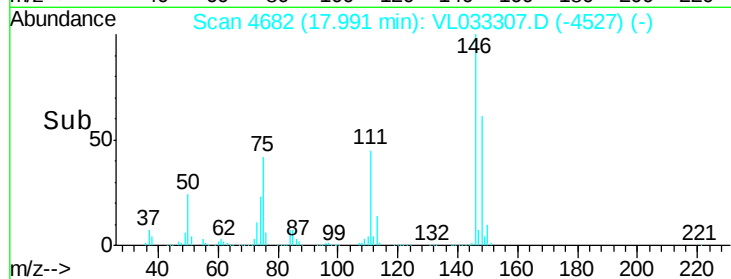
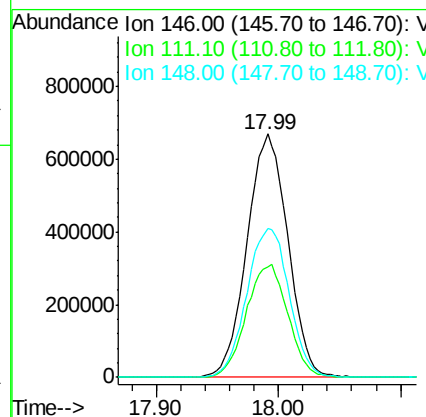
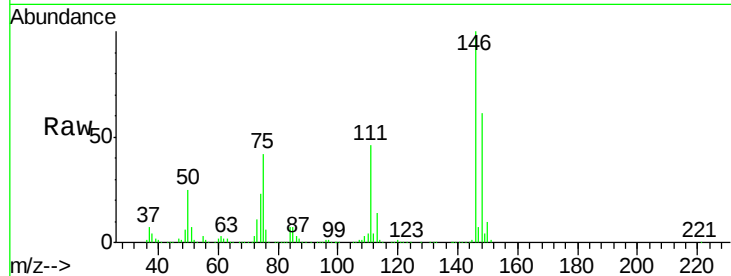
#77
 1,2-Dichlorobenzene
 Concen: 9.324 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion:146 Resp: 1550036
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.2 69.6
 148 63.9 32.0 96.0

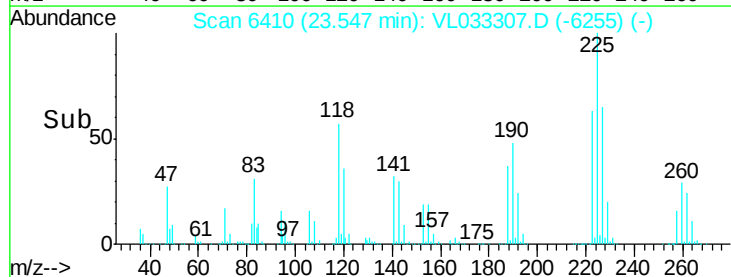
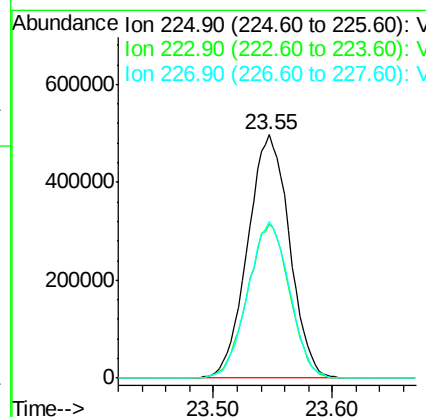
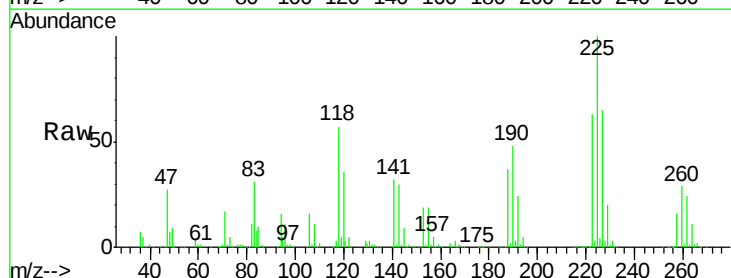
Manual Integrations
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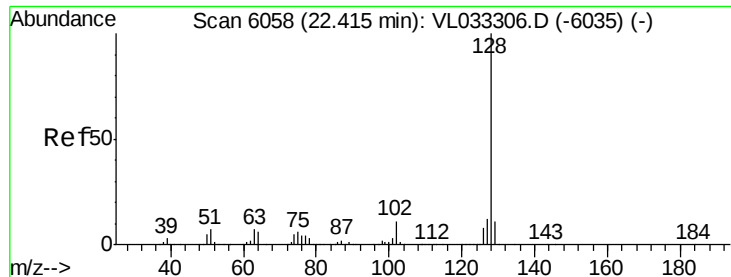
MMDadoda
 3/15/2019 10:41:56 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.851 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Tgt Ion:225 Resp: 1207852
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.3 75.5
 227 64.0 51.2 76.8





#79

Naphthalene

Concen: 12.904 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. -0.00 min

Lab File: VL033307.D

Acq: 14 Mar 2019 2:34

Instrument :

MSVOA_L

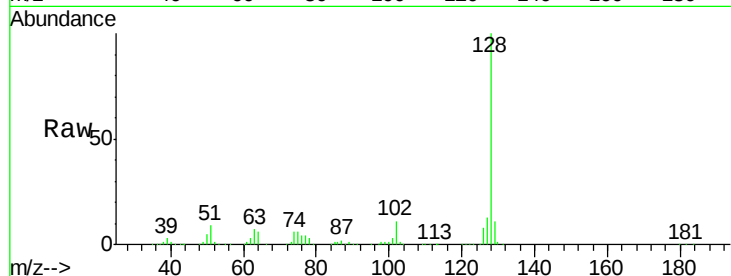
ClientSampleId :

ICVVL031319

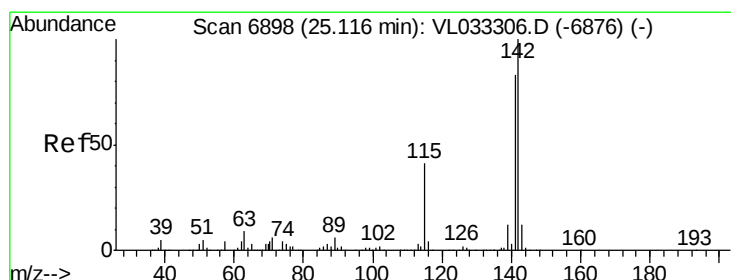
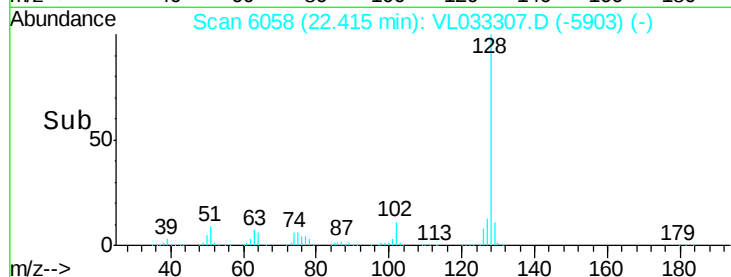
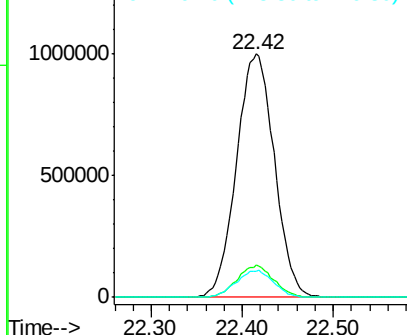
Tgt Ion:	128	Resp:	2891931
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.6	8.9	13.3

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



#80

Naphthalene, 2-methyl-

Concen: 22.007 ppbv

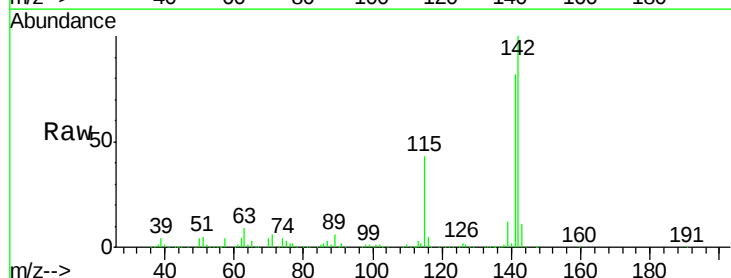
RT: 25.12 min Scan# 6898

Delta R.T. 0.00 min

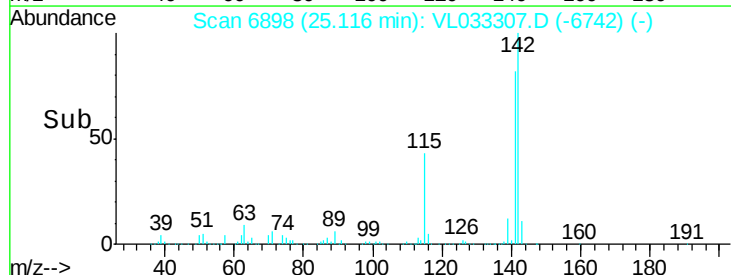
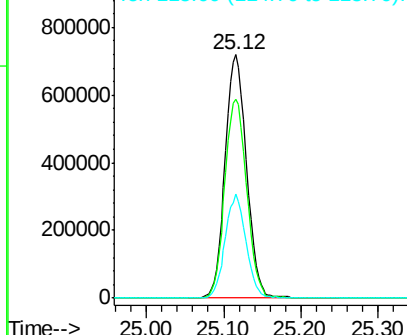
Lab File: VL033307.D

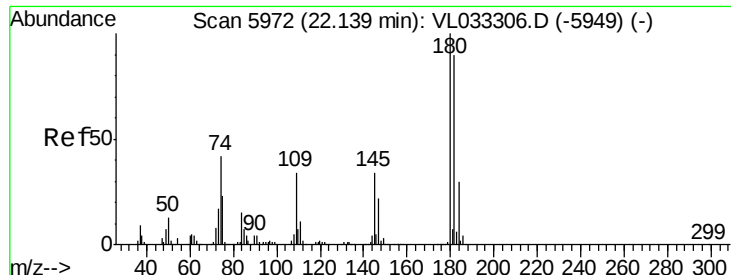
Acq: 14 Mar 2019 2:34

Tgt Ion:	142	Resp:	1381452
Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.2	100.8
115	41.7	33.6	50.4



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





#81
 1,2,4-Trichlorobenzene
 Concen: 11.344 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033307.D
 Acq: 14 Mar 2019 2:34

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031319

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
184	30.3	24.6	36.8

Manual Integrations
 APPROVED

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