

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
 Data File : VL033315.D
 Acq On : 14 Mar 2019 14:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:42:10 PM

Quant Time: Mar 15 03:15:18 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 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	5.77	49	773490	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1762646	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2188807m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1624900	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1527876	10.676	ppbv	100
3) Chlorodifluoromethane	3.01	51	912002	9.039	ppbv	99
4) Chloromethane	3.17	50	479646	8.781	ppbv	95
5) Vinyl Chloride	3.29	62	472461	8.641	ppbv	98
6) Bromomethane	3.52	94	293281	8.909	ppbv	100
7) Chloroethane	3.60	64	180442	9.217	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1168239	8.938	ppbv	99
9) Propene	3.04	41	400018	8.785	ppbv	99
10) Heptane	8.25	43	1080247	9.704	ppbv	99
11) Trichlorofluoromethane	4.00	101	1361734	9.469	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	908661	9.372	ppbv	99
13) Ethanol	3.65	45	101687	7.296	ppbv	100
14) Bromoethene	3.79	108	385102	9.556	ppbv	100
15) Acetone	3.90	43	864359	8.127	ppbv	99
16) 1,3-Butadiene	3.36	39	367304	8.434	ppbv	84
17) tert-Butyl alcohol	4.36	59	173922	9.376	ppbv	99
18) 1,1-Dichloroethene	4.35	96	420836	9.828	ppbv	98
19) Isopropyl Alcohol	4.02	45	590516	9.076	ppbv	99
20) Methylene Chloride	4.41	84	354541	8.234	ppbv	99
21) Allyl Chloride	4.48	41	635654	9.900	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	419935	9.721	ppbv	94
23) Vinyl Acetate	5.16	43	1490095	9.650	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1025846	9.184	ppbv	100
25) Ethyl Acetate	5.77	43	1816578	9.377	ppbv	100
26) Hexane	5.78	57	811255	8.962	ppbv	99
27) Carbon Disulfide	4.62	76	1011911	10.453	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1215407	9.340	ppbv	99
29) Chloroform	5.85	83	1362207	9.680	ppbv	97
30) Cyclohexane	7.25	84	675972	9.619	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	848880	9.739	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1334252	9.770	ppbv	99
34) 2-Butanone	5.33	43	1137695	9.335	ppbv	99
35) Carbon Tetrachloride	7.14	117	1414243	10.437	ppbv	98
36) Benzene	7.01	78	1700607	9.824	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1044374	10.099	ppbv	100
38) Trichloroethene	7.96	130	646977	9.452	ppbv	97
39) 1,2-Dichloropropane	7.74	63	643786	9.684	ppbv	97
40) 1,4-Dioxane	7.95	88	239671	9.977	ppbv	81
41) Tetrahydrofuran	6.15	42	698723	10.335	ppbv	99
42) Bromodichloromethane	7.92	83	1496119	10.321	ppbv	99
43) Methyl Methacrylate	8.14	69	702184	10.189	ppbv	98

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MMDadoda
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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	2868908	9.693	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	931154	11.521	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1059995	10.885	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	695690	9.777	ppbv	98
48) Dibromochloromethane	10.45	129	1265539	10.811	ppbv	99
49) Bromoform	13.21	173	1250374	12.329	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1758853	9.961	ppbv	99
51) 2-Hexanone	10.27	43	1390126	10.311	ppbv #	99
52) Tetrachloroethene	11.38	164	627878	8.830	ppbv	98
53) Toluene	9.95	91	2010889	10.145	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1125659	9.910	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	985398	10.034	ppbv	98
57) Chlorobenzene	12.31	112	1647485	9.323	ppbv	98
58) Ethyl Benzene	12.87	91	3115333	9.915	ppbv	100
59) m/p-Xylene	13.15	91	5237849m	19.825	ppbv	
60) o-Xylene	13.85	91	2558466	10.040	ppbv	99
61) Styrene	13.69	104	1897104	10.608	ppbv	99
62) Isopropylbenzene	14.83	105	3578682	9.982	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1763067	9.599	ppbv	99
64) n-propylbenzene	15.73	120	903611	10.164	ppbv	98
65) tert-Butylbenzene	16.91	119	3195030	10.544	ppbv	100
66) Benzyl Chloride	17.16	91	1602282	13.290	ppbv	100
67) sec-Butylbenzene	17.46	105	4542859	10.428	ppbv	100
69) p-Isopropyltoluene	17.82	119	3747817	10.767	ppbv	100
70) n-Butylbenzene	18.72	91	3904801	10.729	ppbv	100
71) 2-Chlorotoluene	15.62	91	2756356	10.265	ppbv	100
72) 4-Ethyltoluene	16.00	105	2980416	10.917	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2861103	11.147	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2904269	11.088	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1655795	10.099	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1650706	10.310	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1622287	10.163	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	935753	7.949	ppbv	99
79) Naphthalene	22.42	128	2942608	13.674	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	1159950	19.245	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1462424	11.951	ppbv	99

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

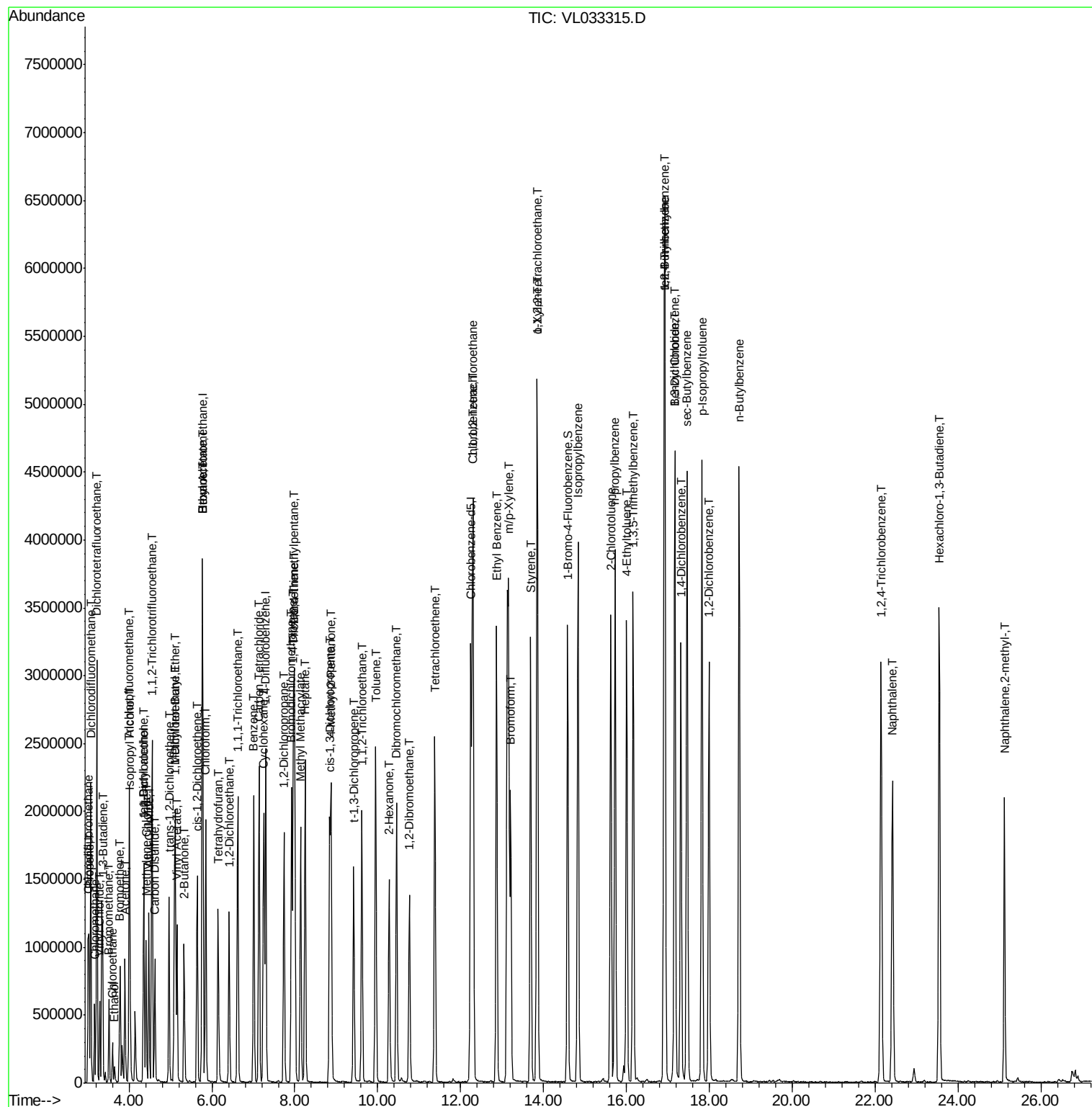
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031319\
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ALS Vial : 1 Sample Multiplier: 1

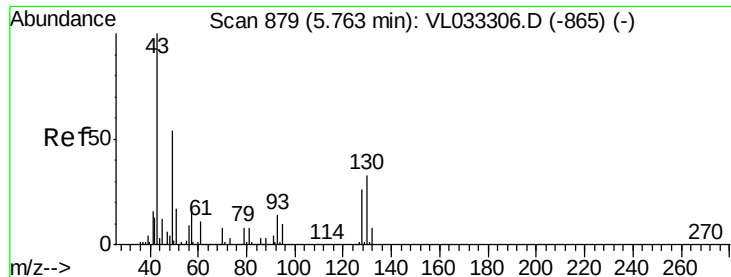
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 14 00:01:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

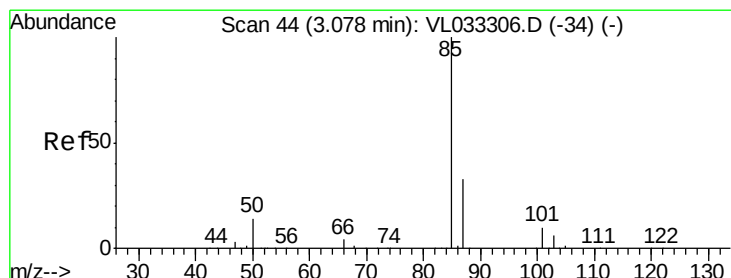
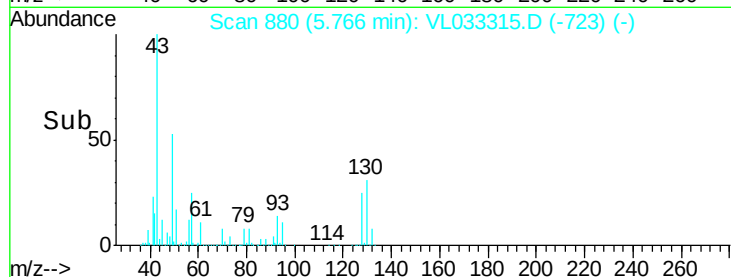
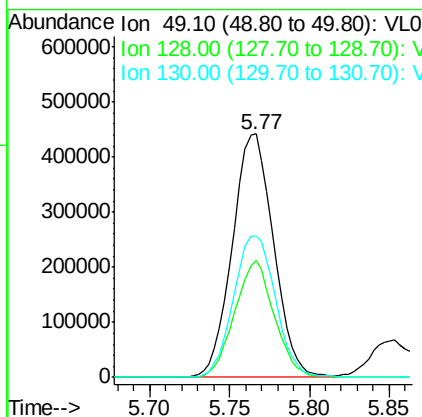
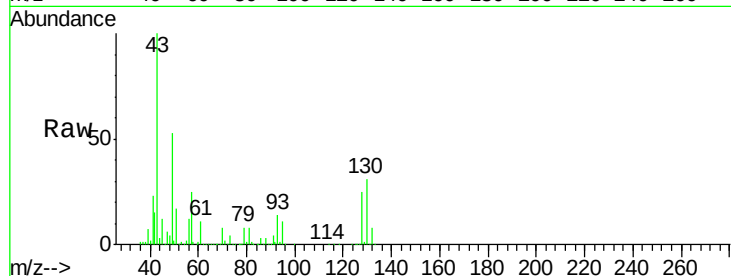
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	49	Resp:	773490
Ion Ratio	Lower	Upper	
49	100		
128	46.3	23.4	70.3
130	59.7	29.9	89.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.676 ppbv

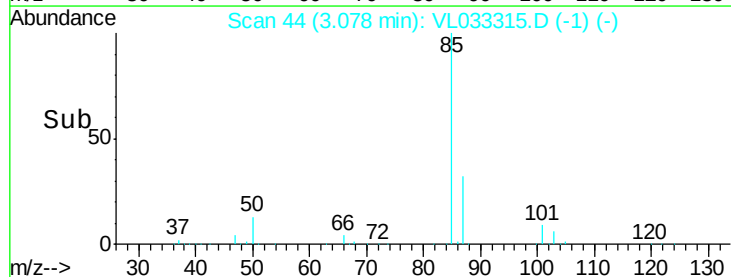
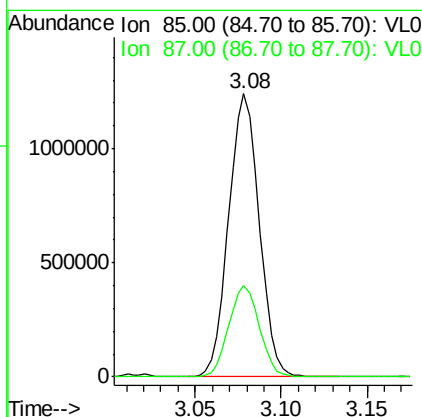
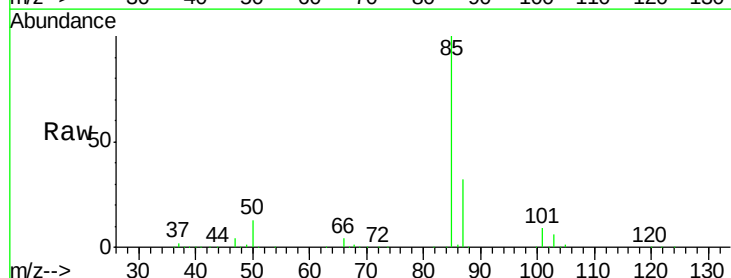
RT: 3.08 min Scan# 44

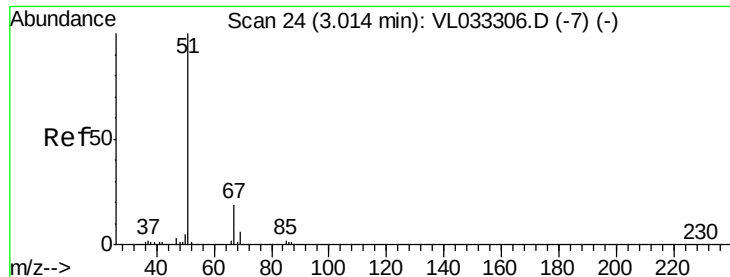
Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion:	85	Resp:	1527876
Ion Ratio	Lower	Upper	
85	100		
87	32.4	25.8	38.8





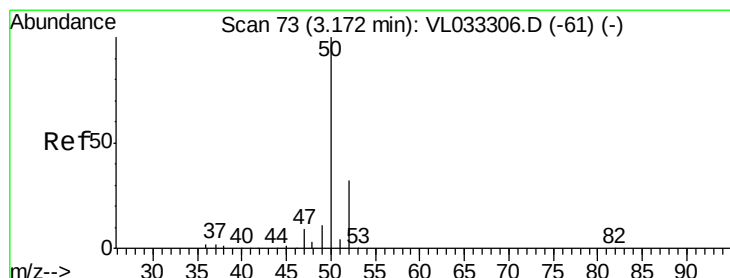
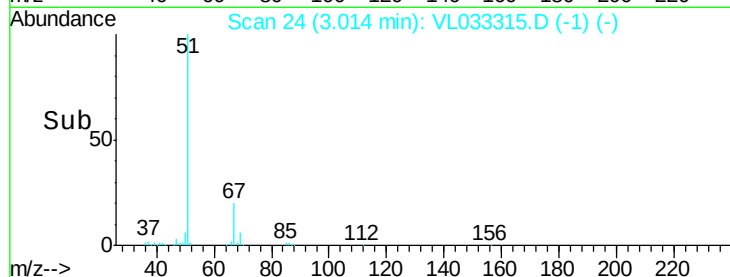
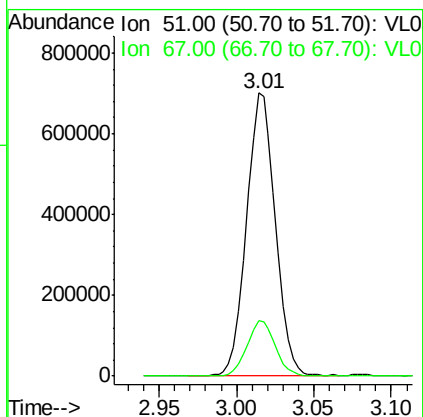
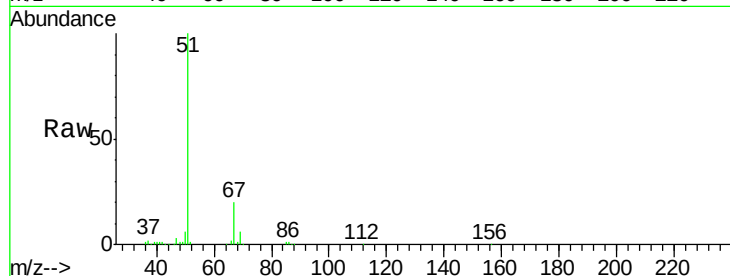
#3
Chlorodifluoromethane
Concen: 9.039 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
51	100		
67	19.2	14.9	22.3

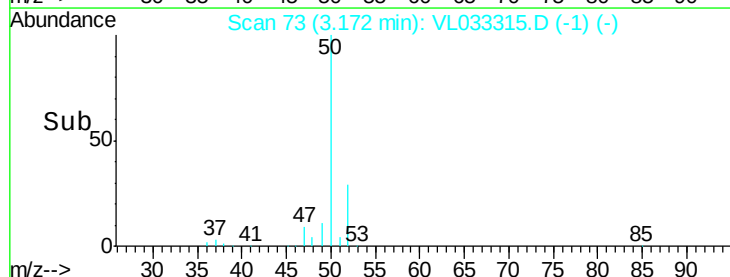
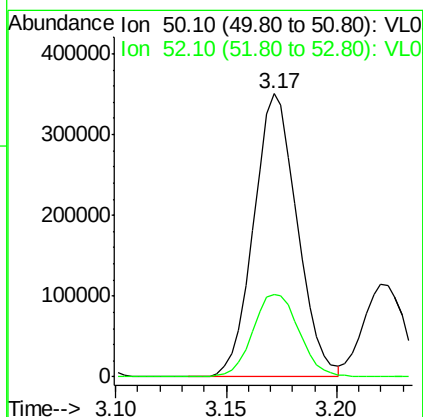
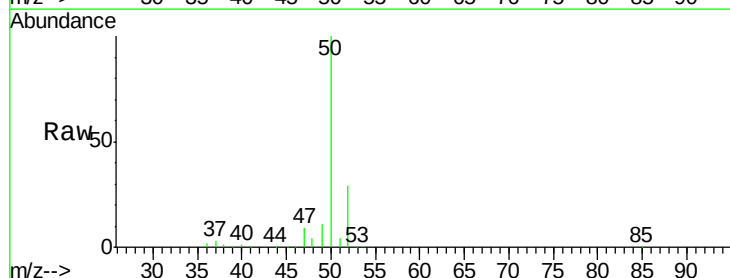
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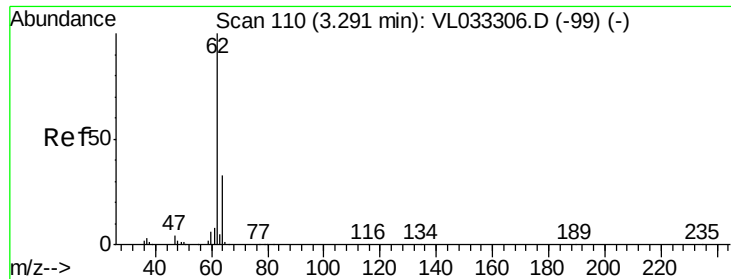
MMDadoda
3/15/2019 10:42:10 PM



#4
Chloromethane
Concen: 8.781 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.7	38.5





#5

Vinyl Chloride

Concen: 8.641 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 472461

Ion Ratio Lower Upper

62 100

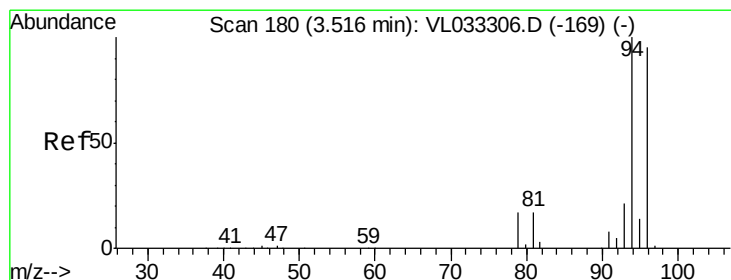
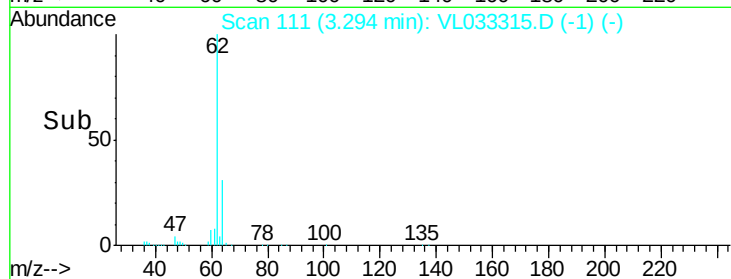
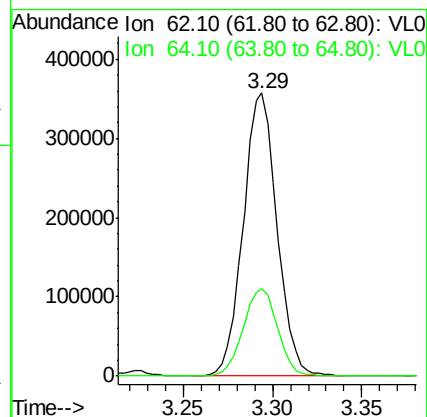
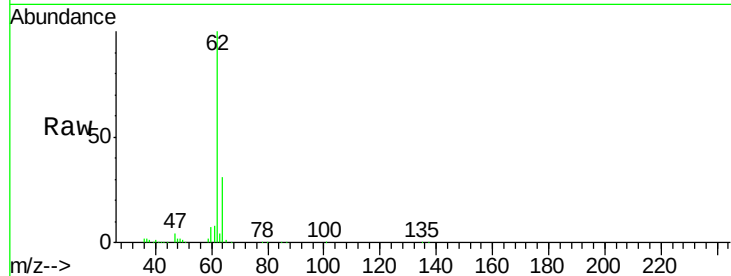
64 30.8 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 8.909 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033315.D

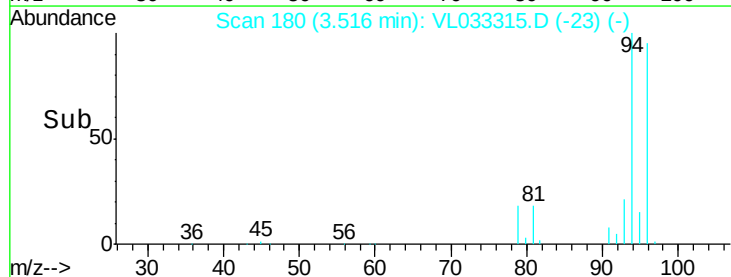
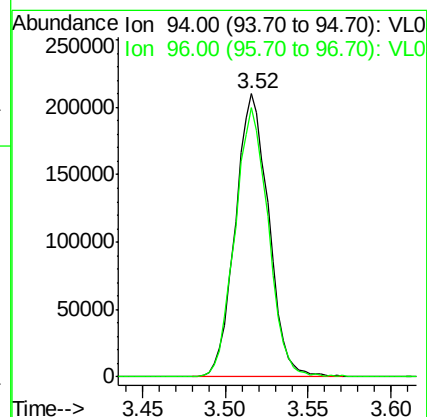
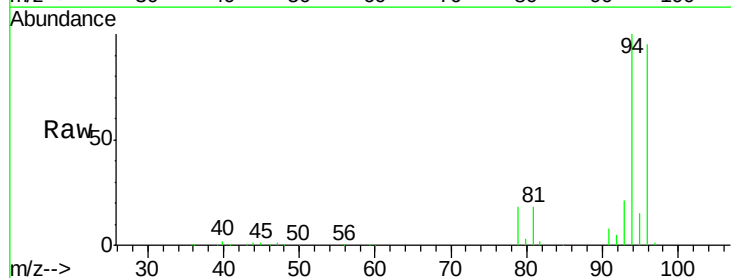
Acq: 14 Mar 2019 14:16

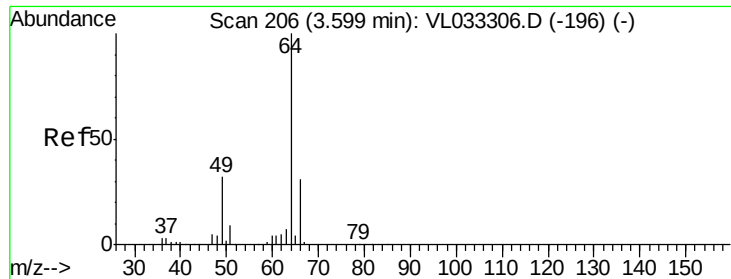
Tgt Ion: 94 Resp: 293281

Ion Ratio Lower Upper

94 100

96 95.2 76.2 114.4





#7

Chloroethane

Concen: 9.217 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 180442

Ion Ratio Lower Upper

64 100

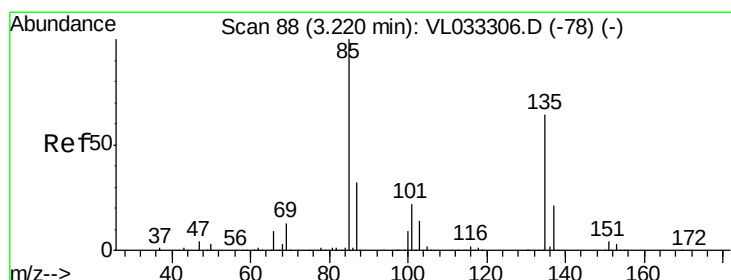
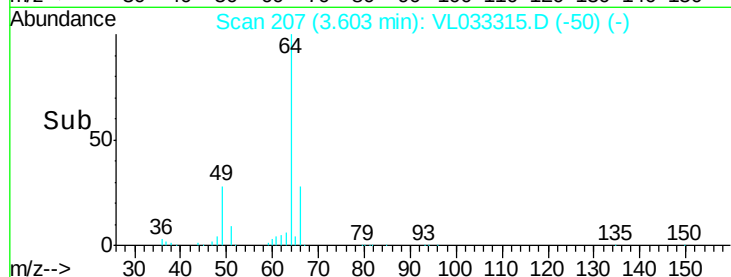
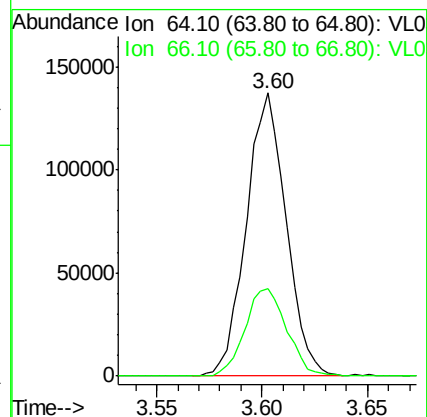
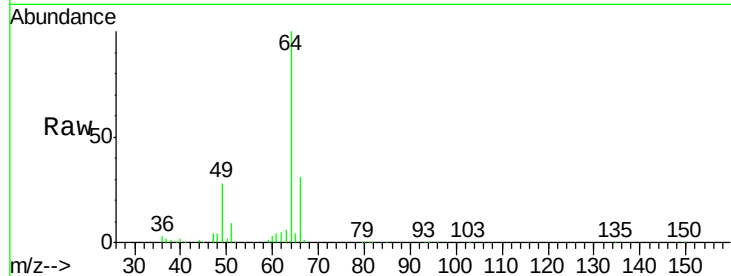
66 30.8 24.9 37.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.938 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033315.D

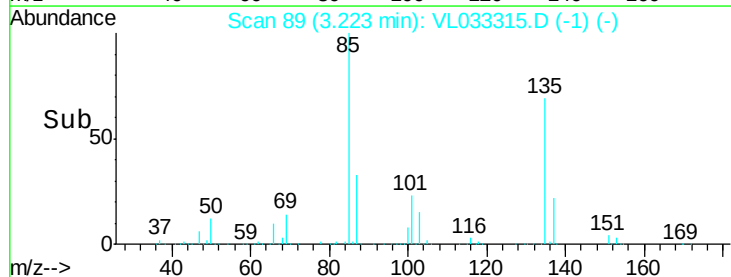
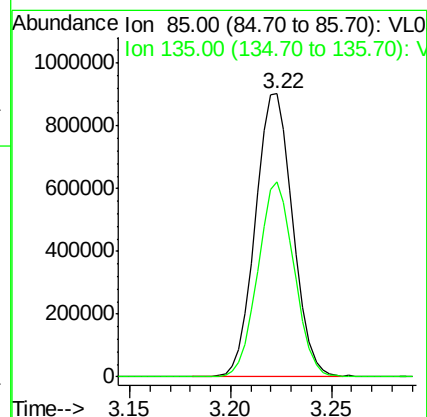
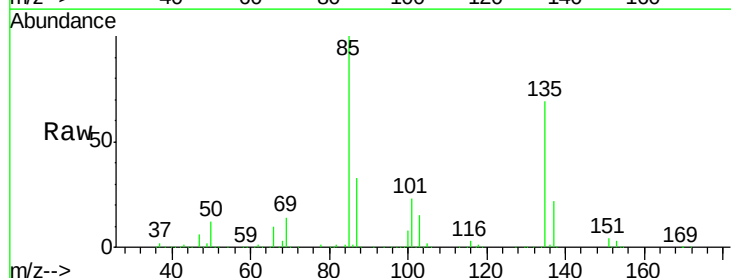
Acq: 14 Mar 2019 14:16

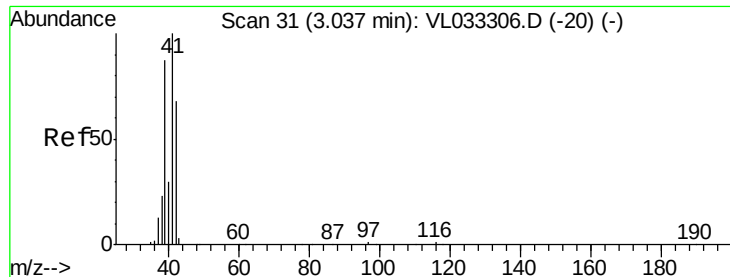
Tgt Ion: 85 Resp: 1168239

Ion Ratio Lower Upper

85 100

135 67.2 52.9 79.3





#9

Propene

Concen: 8.785 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 400018

Ion Ratio Lower Upper

41 100

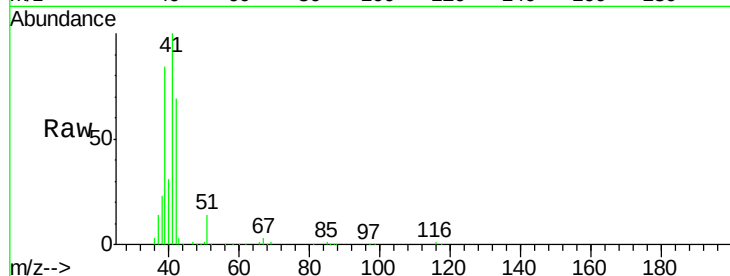
42 68.9 54.4 81.6

Manual Integrations

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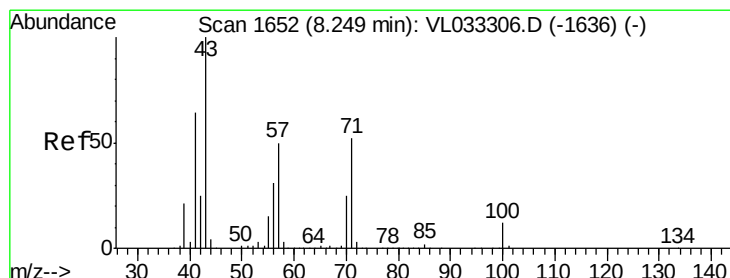
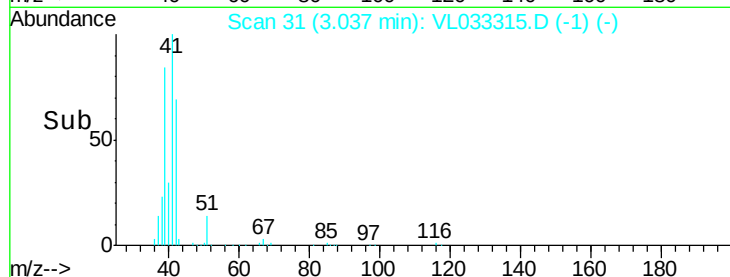
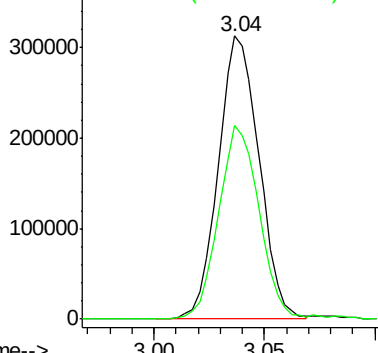
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3/15/2019 10:42:10 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.704 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033315.D

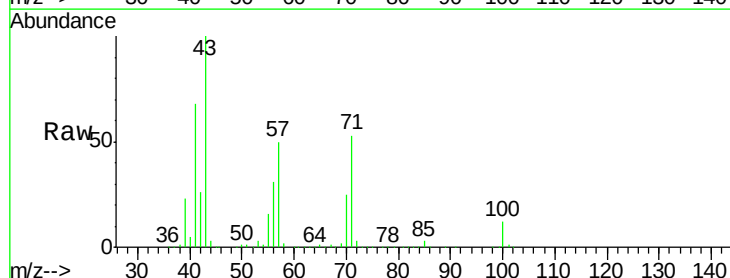
Acq: 14 Mar 2019 14:16

Tgt Ion: 43 Resp: 1080247

Ion Ratio Lower Upper

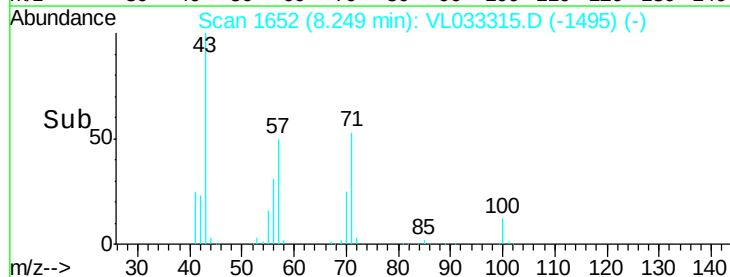
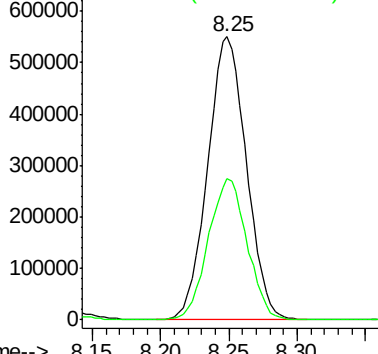
43 100

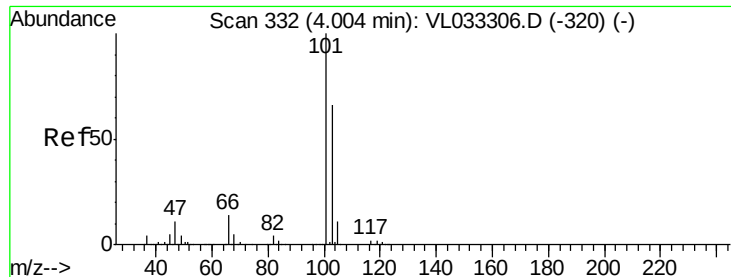
57 50.2 39.6 59.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





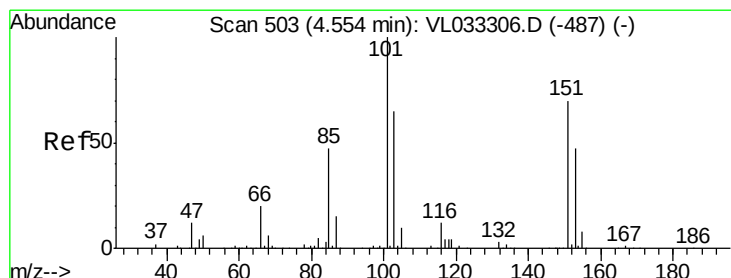
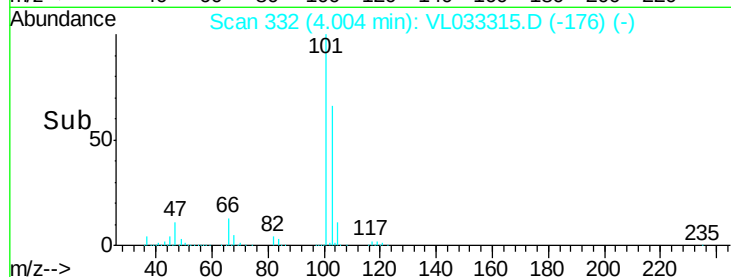
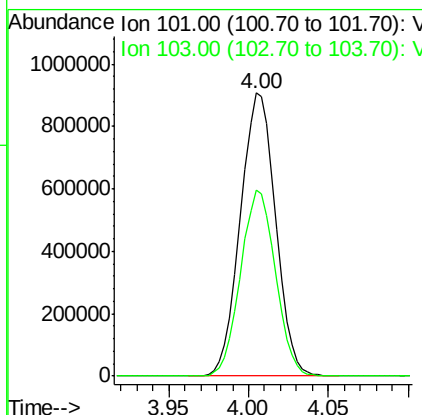
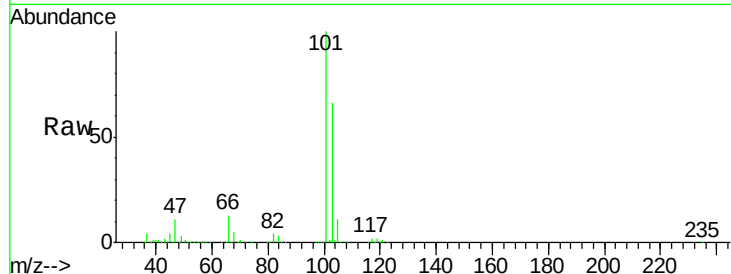
#11
 Trichlorofluoromethane
 Concen: 9.469 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1361734
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.5 78.7

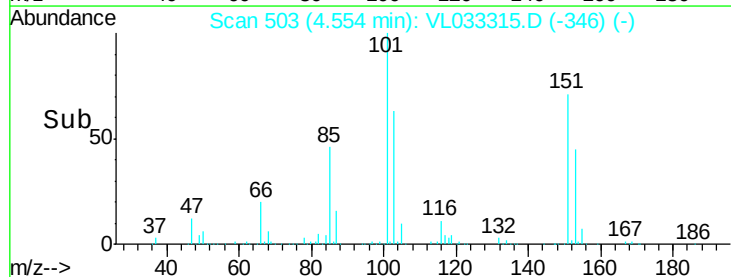
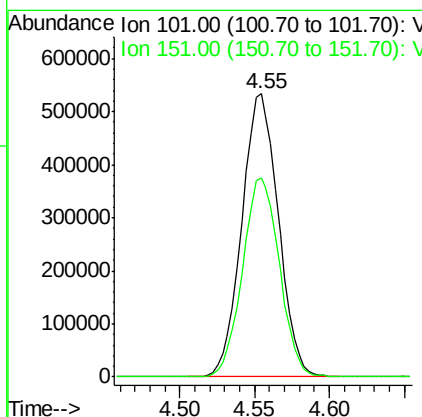
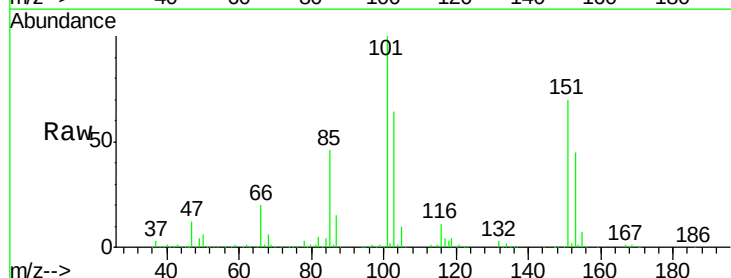
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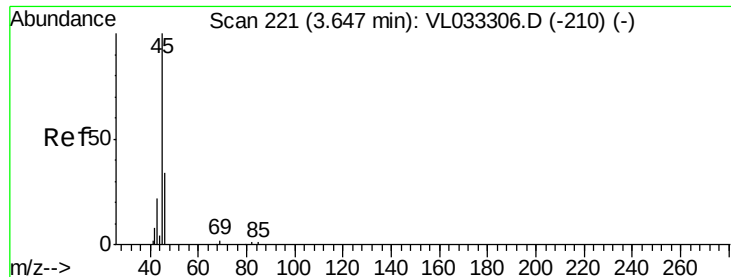
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.372 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion:101 Resp: 908661
 Ion Ratio Lower Upper
 101 100
 151 70.8 57.2 85.8





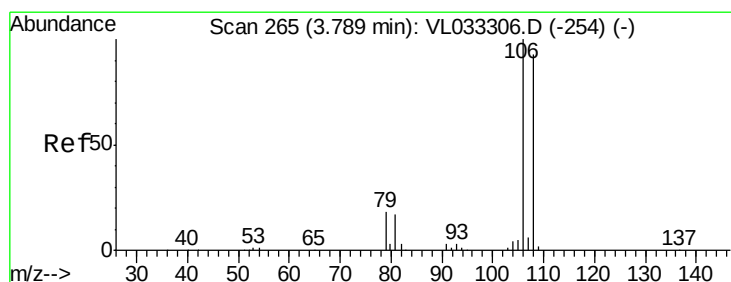
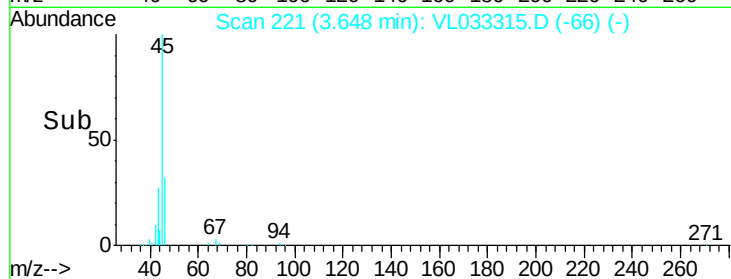
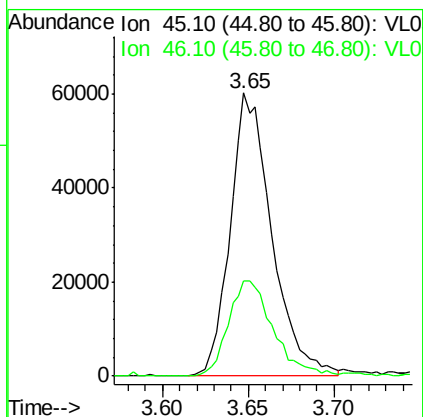
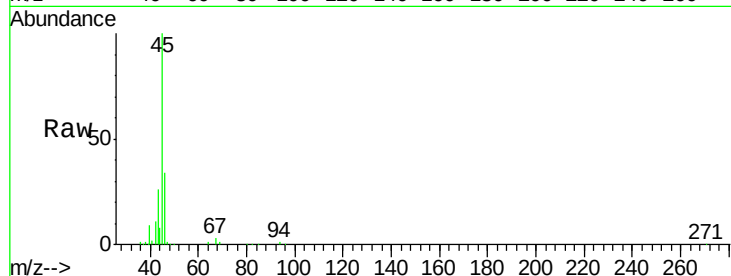
#13
Ethanol
Concen: 7.296 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 101687
Ion Ratio Lower Upper
45 100
46 37.2 14.9 59.5

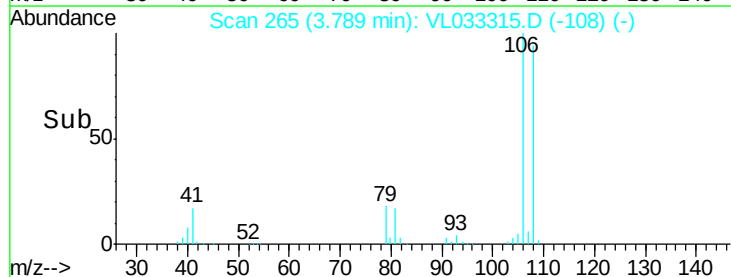
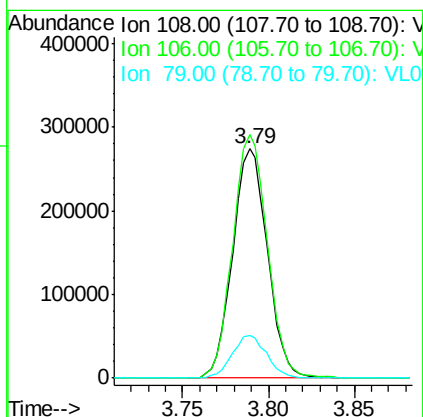
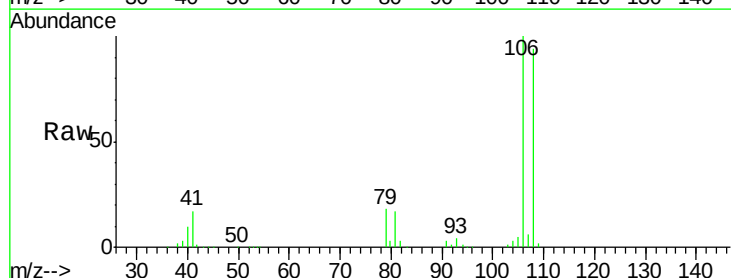
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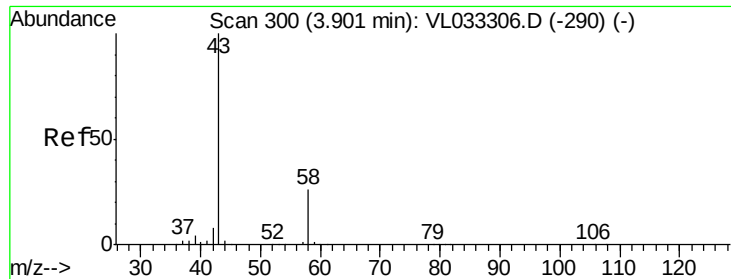
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#14
Bromoethene
Concen: 9.556 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 108 Resp: 385102
Ion Ratio Lower Upper
108 100
106 106.6 85.1 127.7
79 18.8 15.0 22.6





#15

Acetone

Concen: 8.127 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 864359

Ion Ratio Lower Upper

43 100

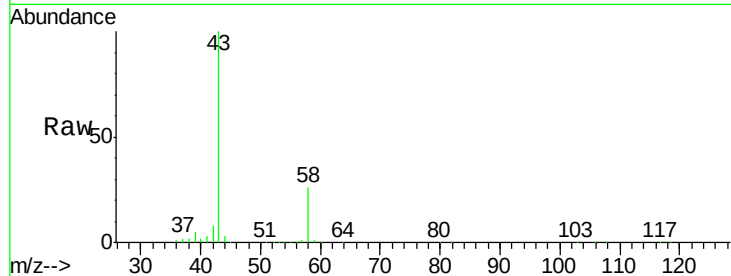
58 26.1 20.6 31.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

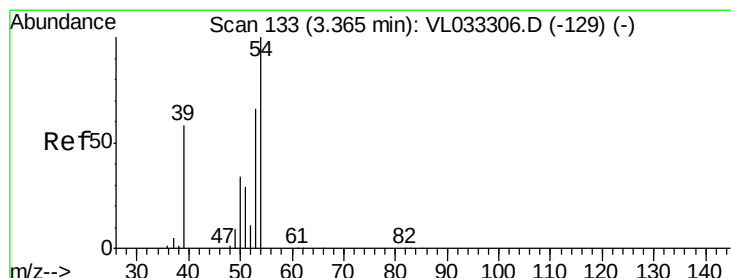
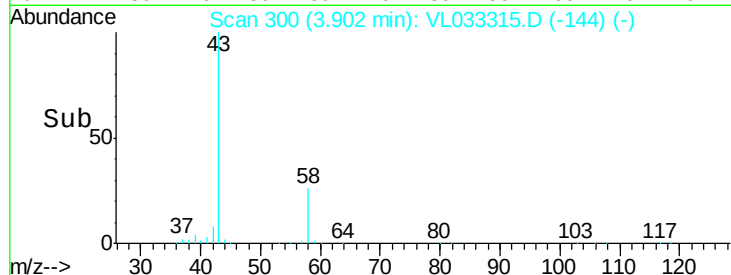
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 8.434 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033315.D

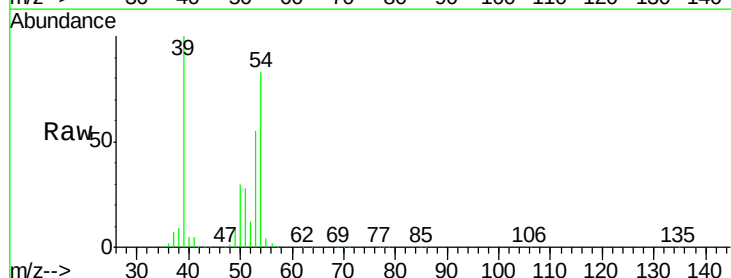
Acq: 14 Mar 2019 14:16

Tgt Ion: 39 Resp: 367304

Ion Ratio Lower Upper

39 100

54 100.0 68.4 102.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

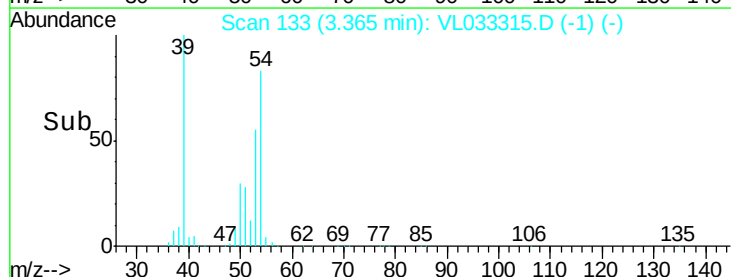
300000

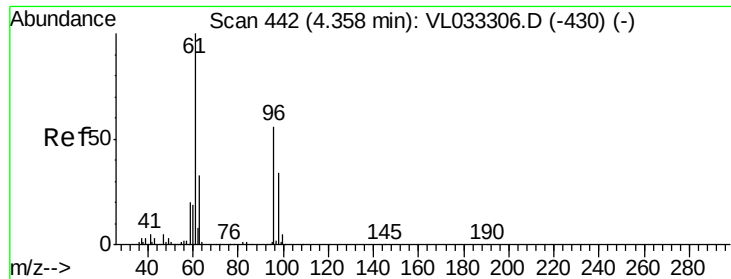
200000

100000

0

Time-->





#17

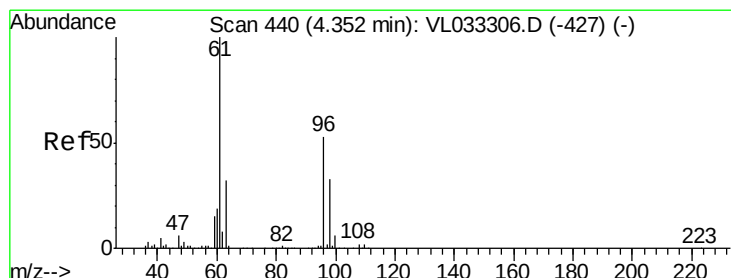
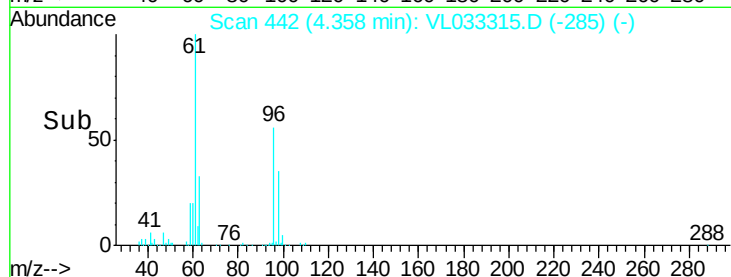
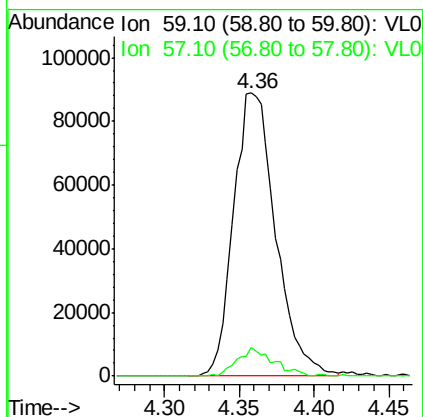
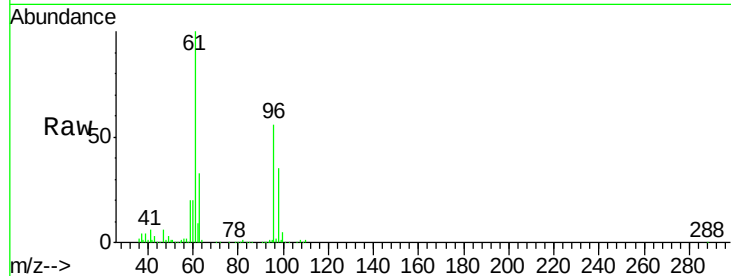
tert-Butyl alcohol
Concen: 9.376 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 173922
Ion Ratio Lower Upper
59 100
57 8.8 7.4 11.2

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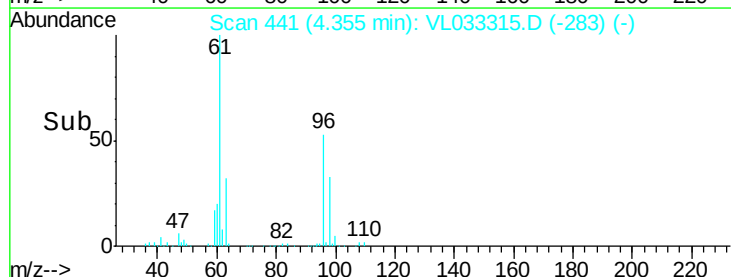
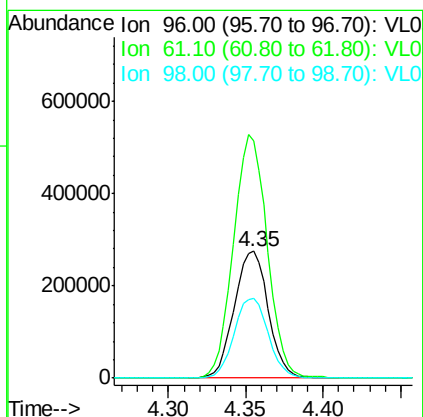
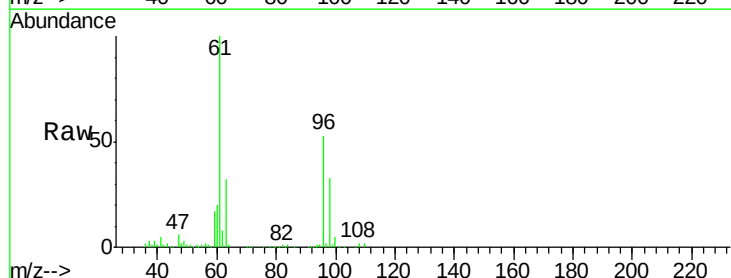
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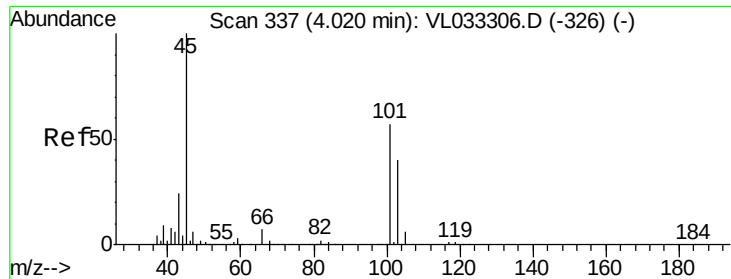


#18

1,1-Dichloroethene
Concen: 9.828 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 96 Resp: 420836
Ion Ratio Lower Upper
96 100
61 187.0 152.3 228.5
98 62.4 48.6 72.8





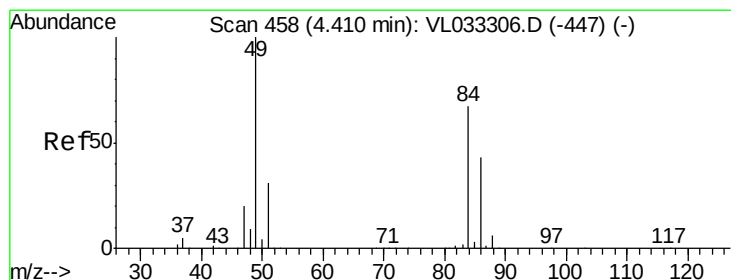
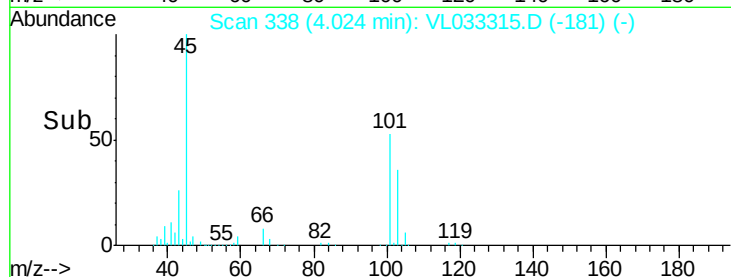
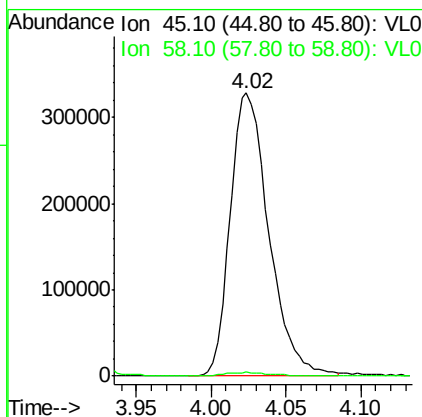
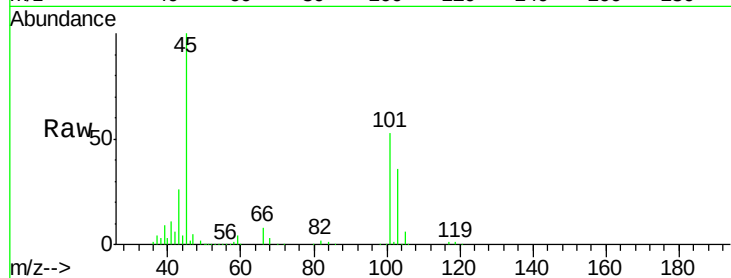
#19
Isopropyl Alcohol
Concen: 9.076 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 590516
Ion Ratio Lower Upper
45 100
58 2.0 1.4 2.0

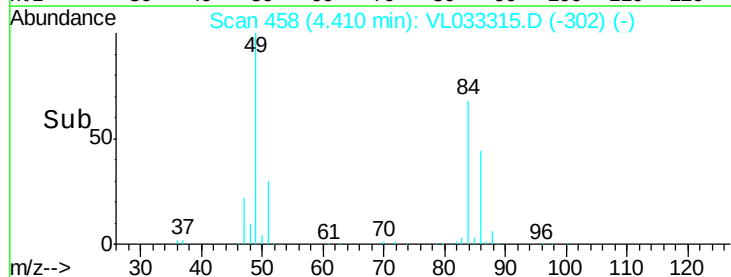
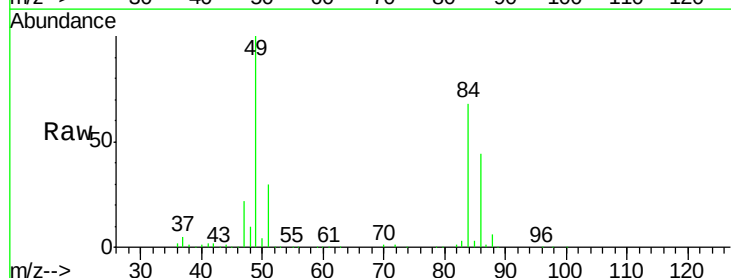
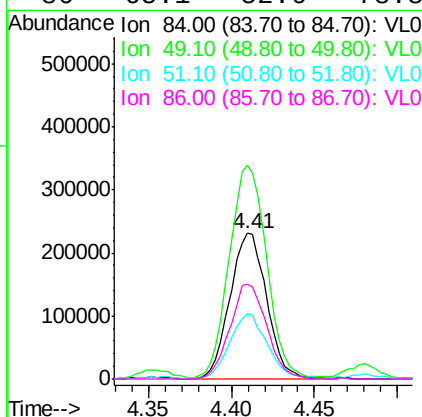
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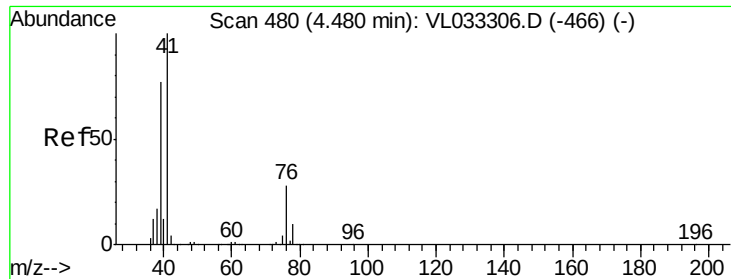
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#20
Methylene Chloride
Concen: 8.234 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 84 Resp: 354541
Ion Ratio Lower Upper
84 100
49 145.8 115.4 173.2
51 44.1 35.7 53.5
86 65.1 52.6 78.8





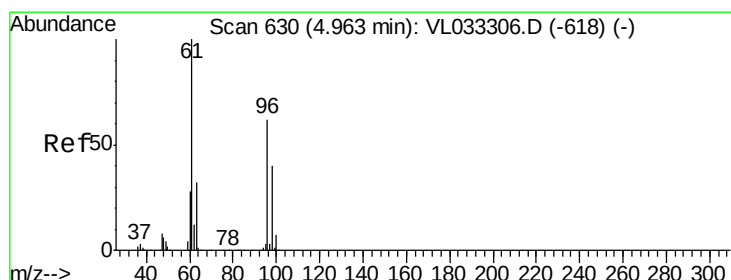
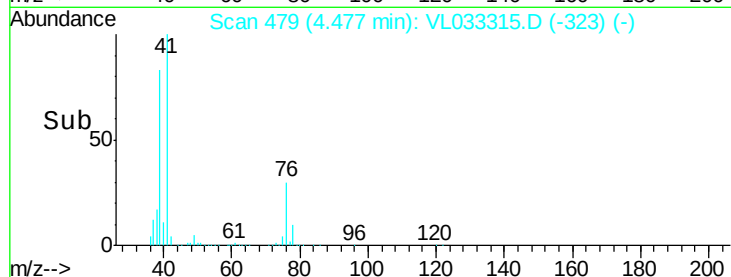
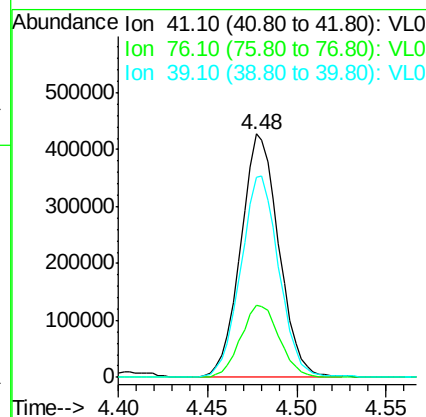
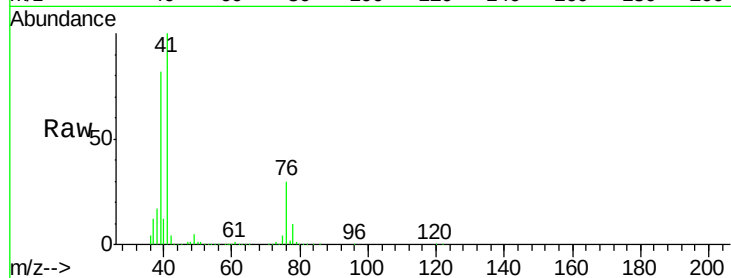
#21
 Allyl Chloride
 Concen: 9.900 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.3	36.5
39	83.2	64.4	96.6

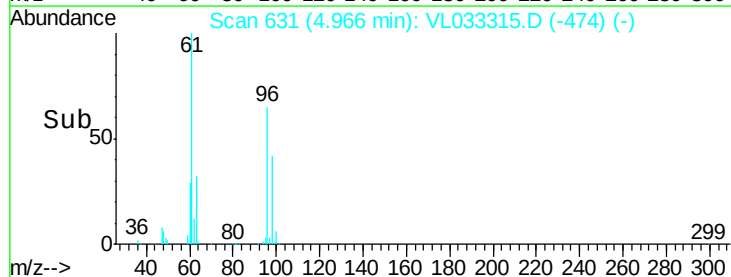
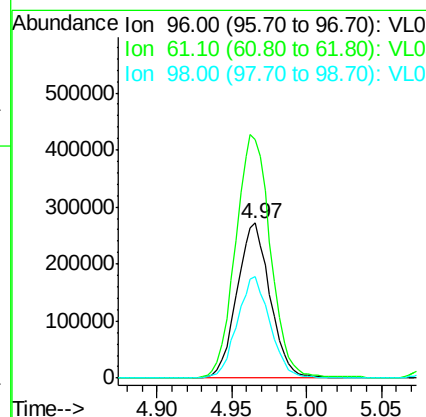
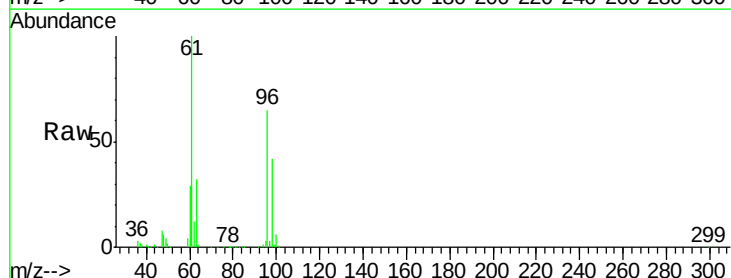
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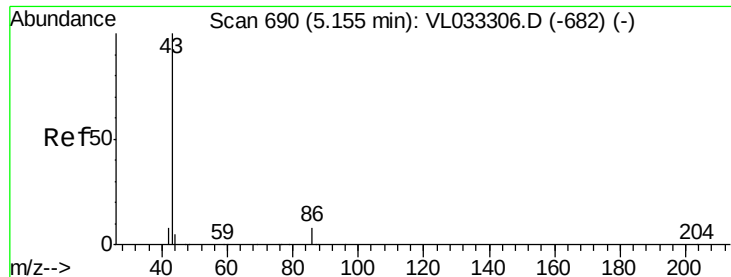
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#22
 trans-1,2-Dichloroethene
 Concen: 9.721 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	132.7	199.1
98	65.6	52.4	78.6





#23

Vinyl Acetate

Concen: 9.650 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1490095

Ion Ratio Lower Upper

43 100

86 7.3 5.8 8.8

42 10.4 7.8 11.8

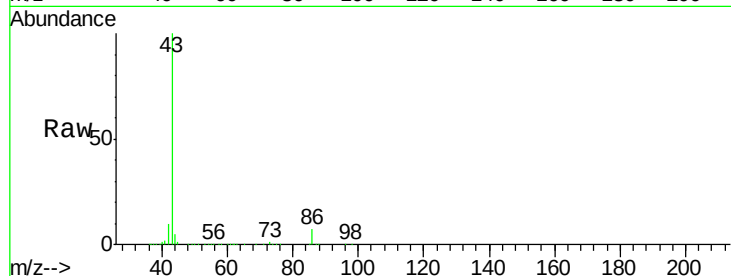
44 5.3 4.1 6.1

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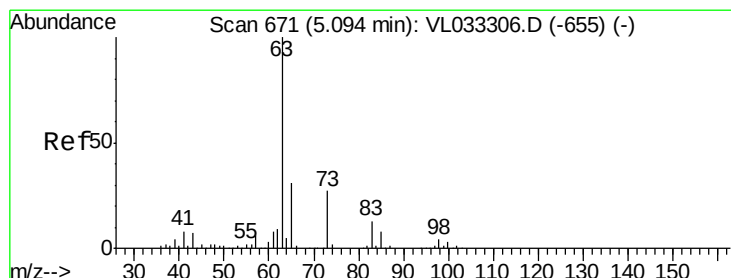
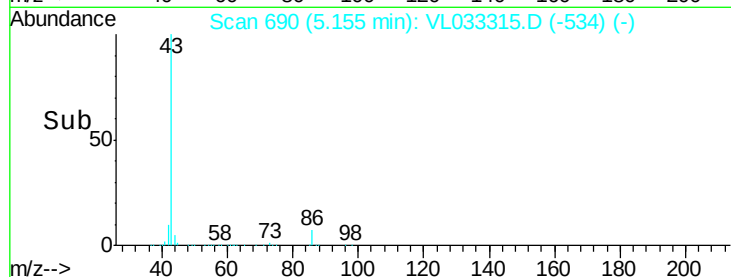
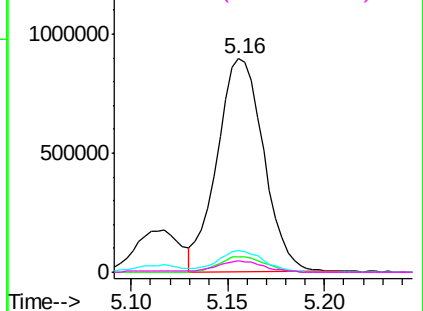


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.184 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

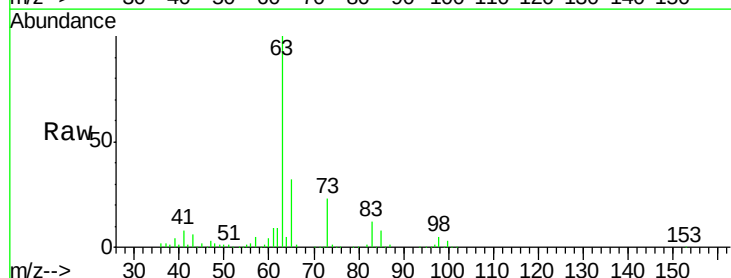
Tgt Ion: 63 Resp: 1025846

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

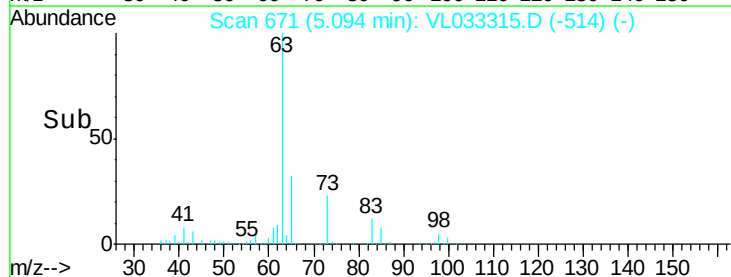
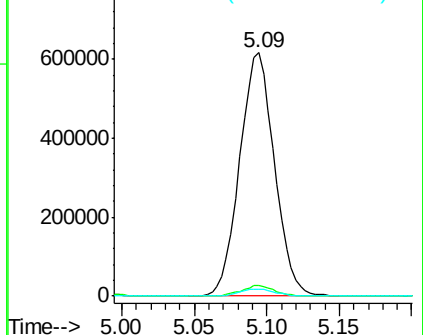
100 2.7 1.3 3.8

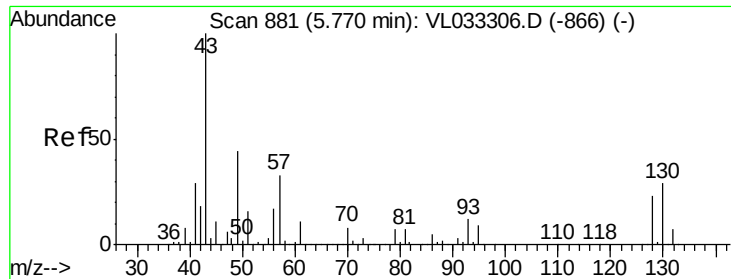


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





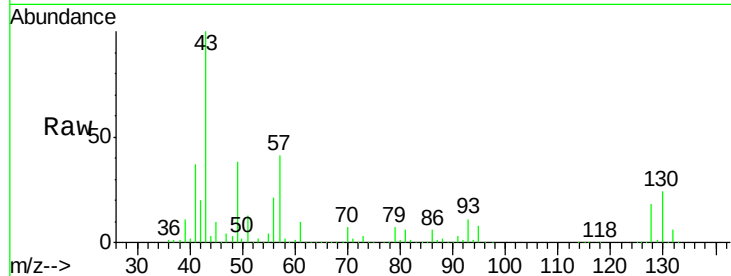
#25
Ethyl Acetate
Concen: 9.377 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

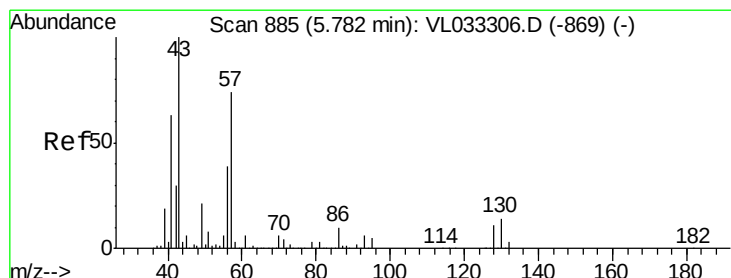
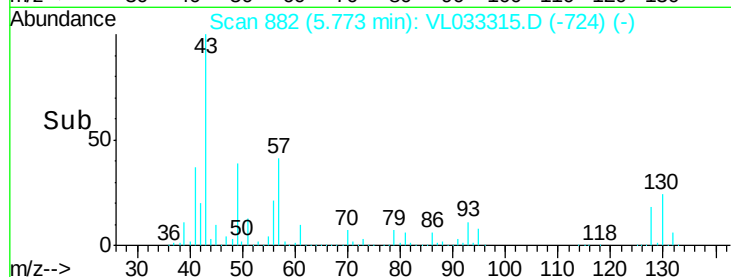
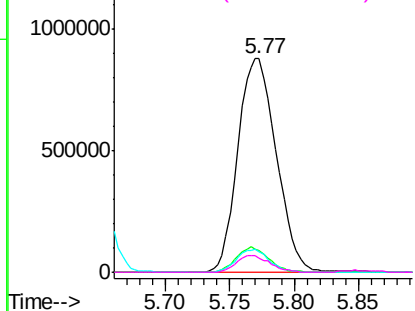
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.4	7.5	11.3
70	6.8	5.7	8.5

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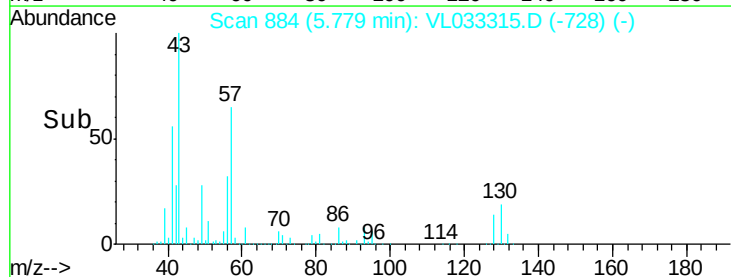
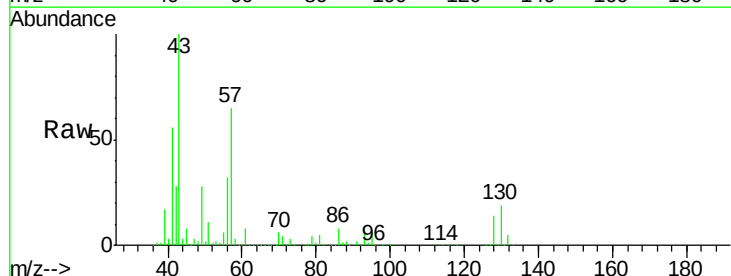
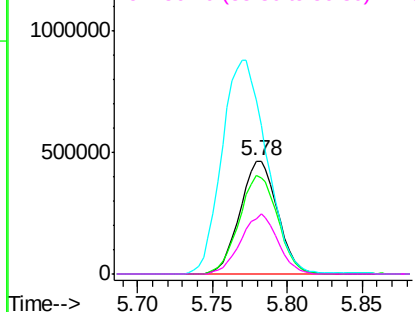
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

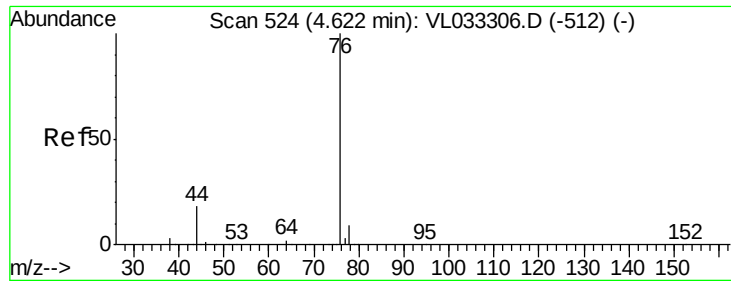


#26
Hexane
Concen: 8.962 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.0	71.6	107.4
43	225.3	179.2	268.8
56	52.3	42.2	63.2

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.453 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

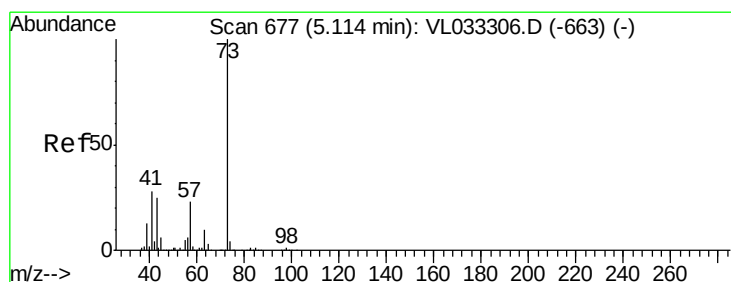
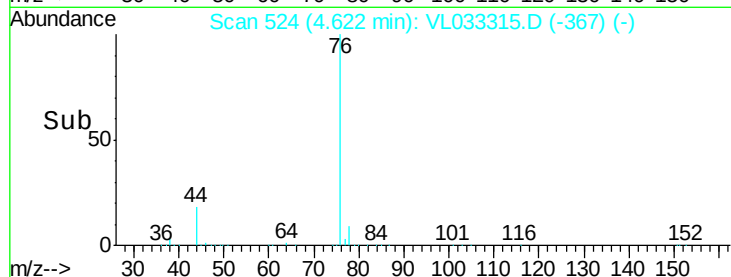
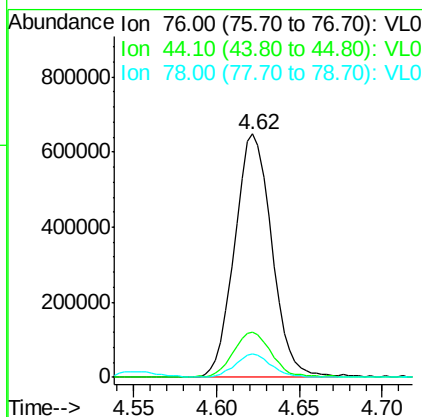
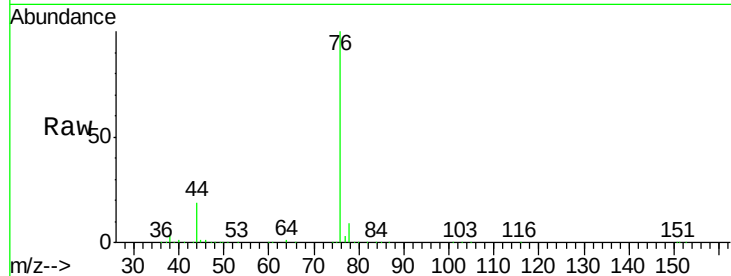
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	76	Resp:	1011911
Ion	Ratio	Lower	Upper
76	100		
44	19.5	14.7	22.1
78	9.5	7.3	10.9

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#28

Methyl tert-Butyl Ether

Concen: 9.340 ppbv

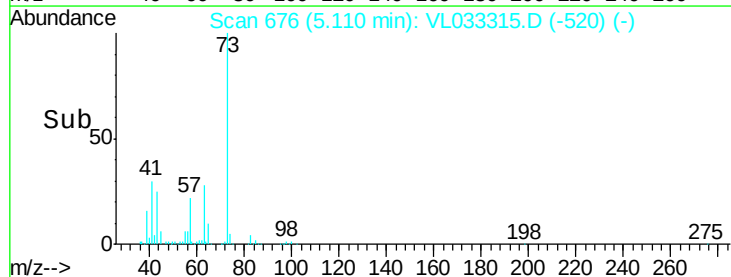
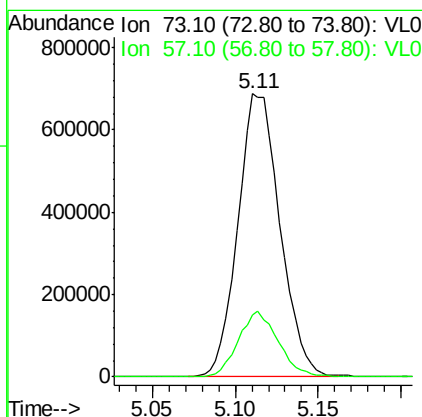
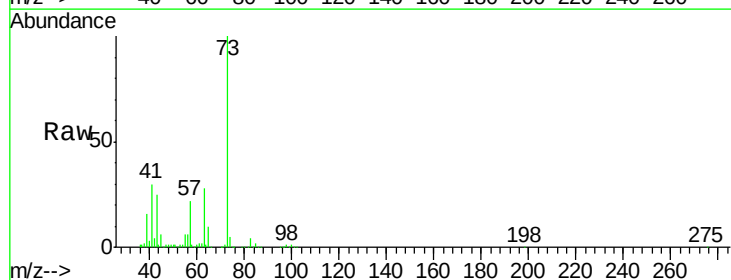
RT: 5.11 min Scan# 676

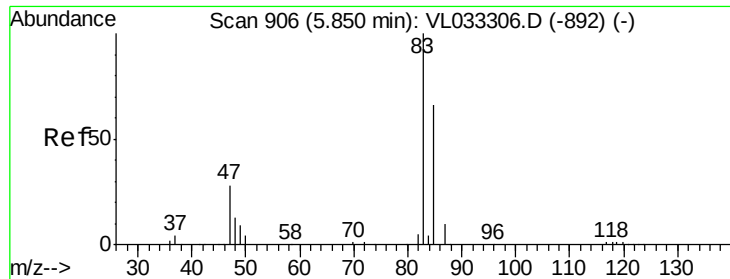
Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion:	73	Resp:	1215407
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.0





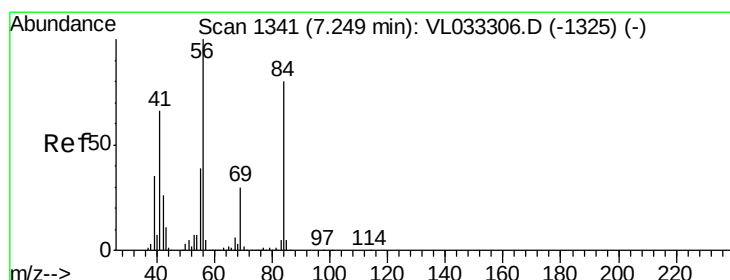
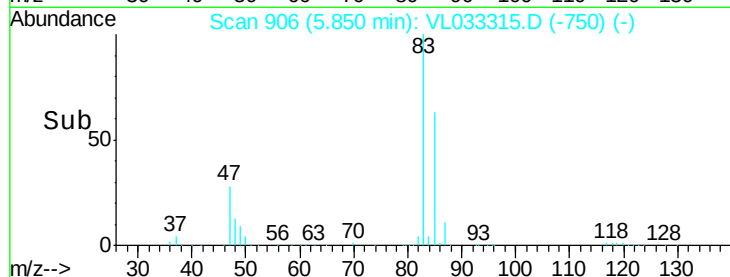
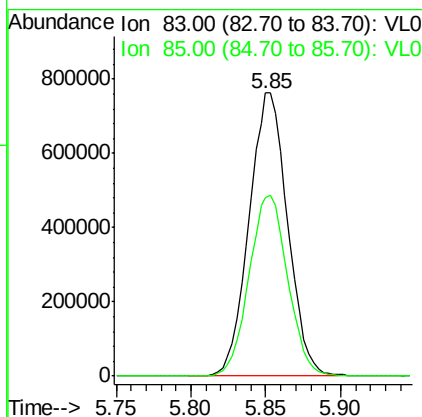
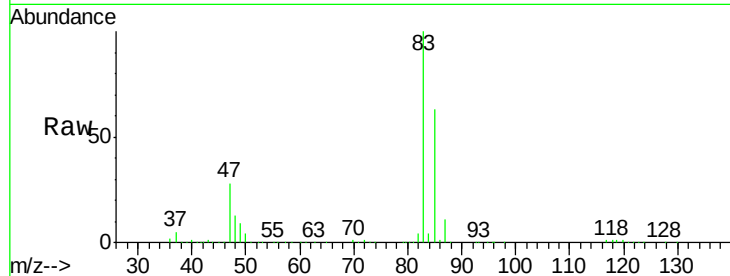
#29
Chloroform
Concen: 9.680 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1362207
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.4

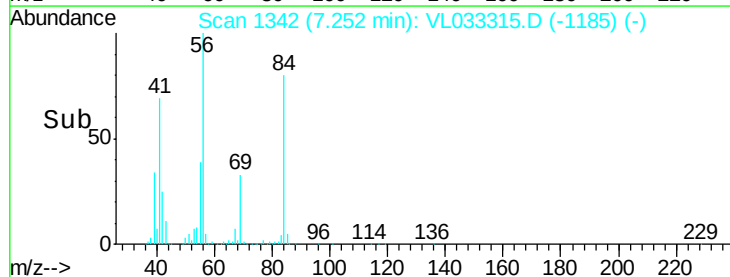
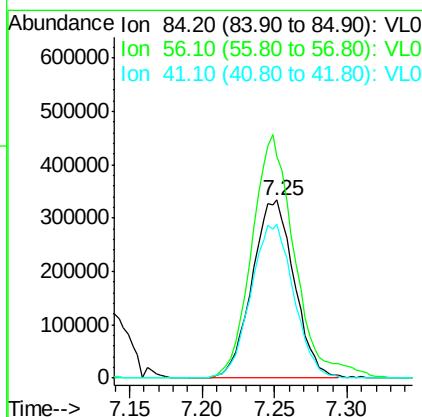
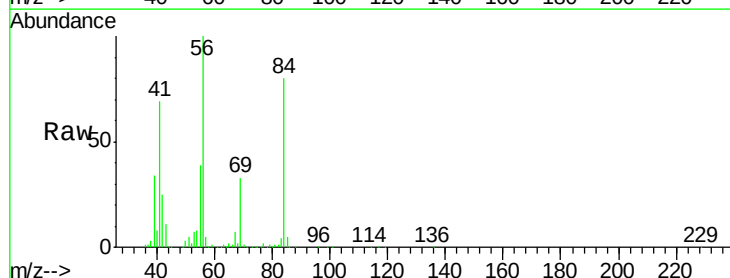
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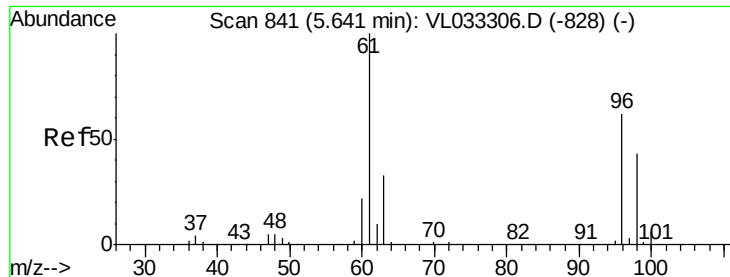
MMDadoda
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#30
Cyclohexane
Concen: 9.619 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 84 Resp: 675972
Ion Ratio Lower Upper
84 100
56 139.1 109.8 164.8
41 87.7 68.1 102.1





#31

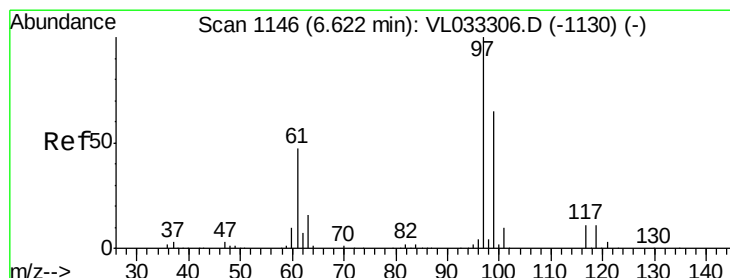
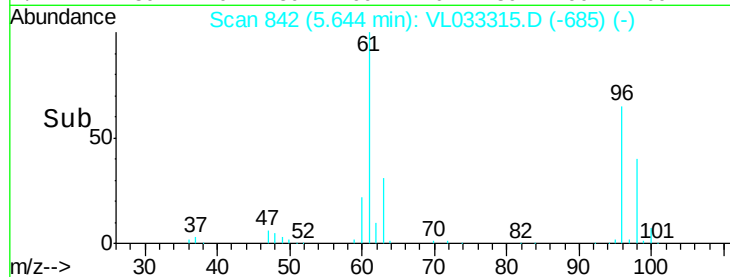
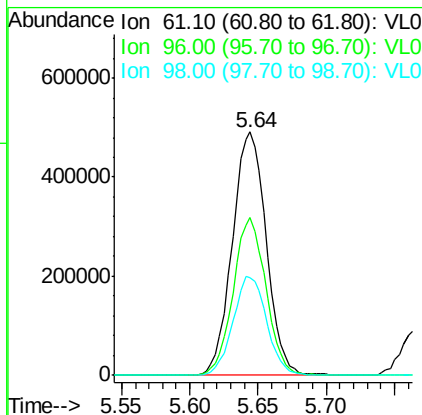
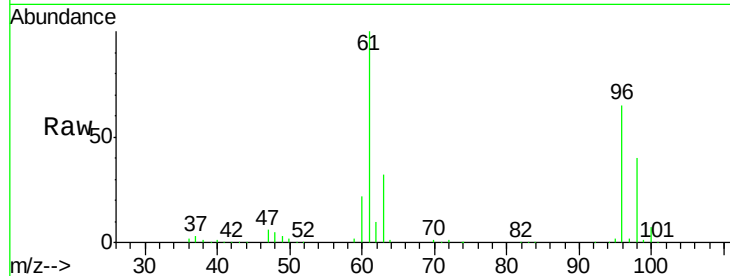
cis-1,2-Dichloroethene
 Concen: 9.739 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	65.0	51.8	77.6
98	40.0	32.3	48.5

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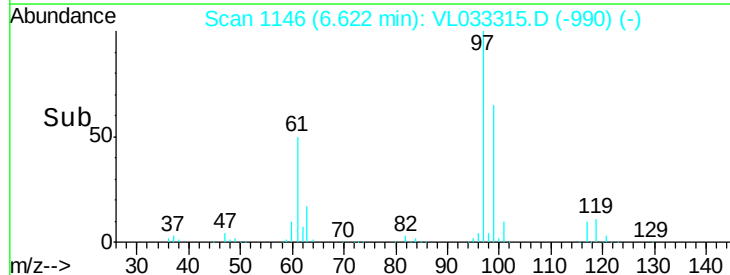
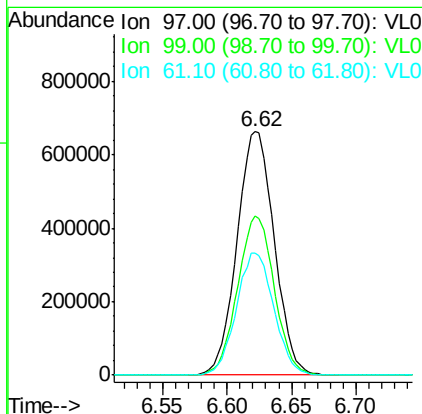
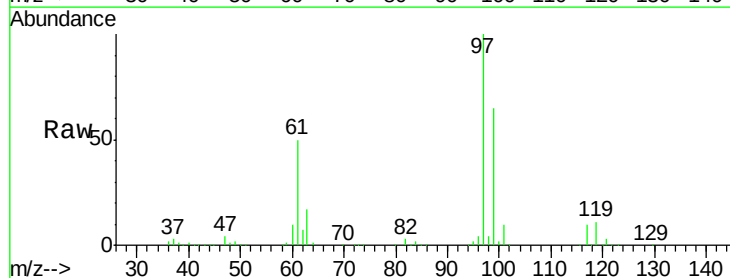
MMDadoda
 3/15/2019 10:42:10 PM

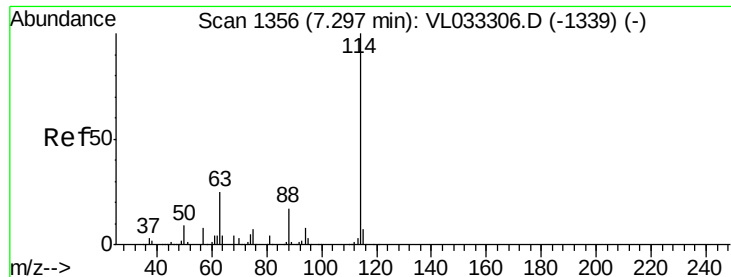


#32

1,1,1-Trichloroethane
 Concen: 9.770 ppbv
 RT: 6.62 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.3	39.4	59.2





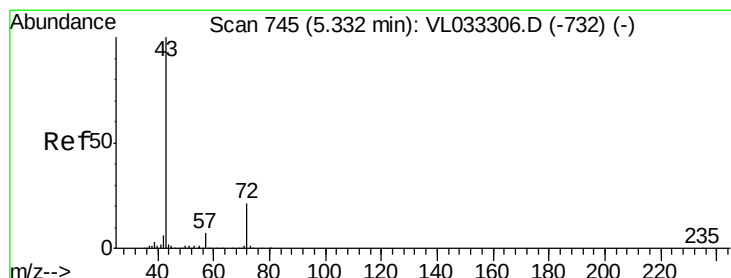
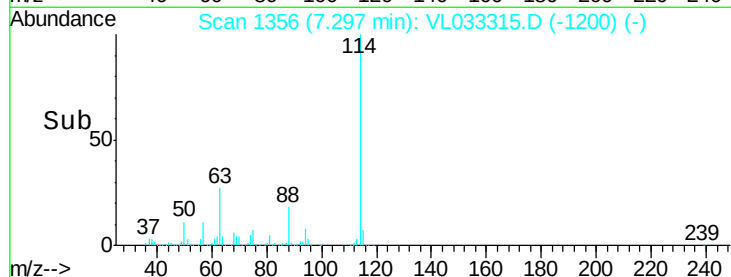
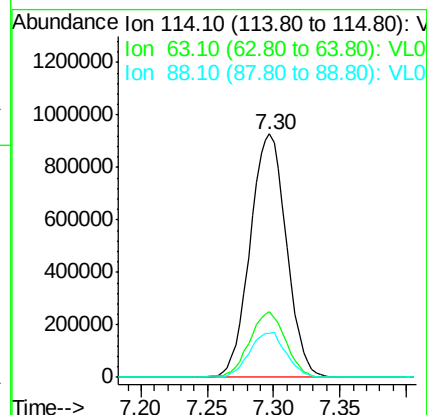
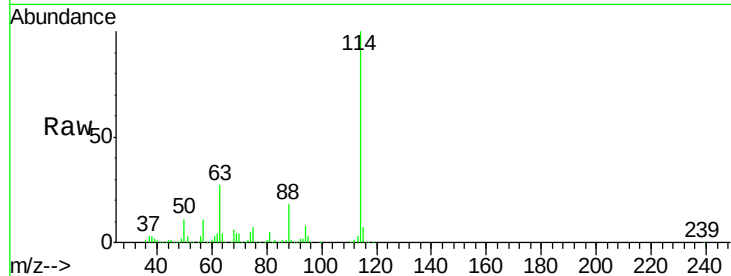
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.3	31.9
88	18.4	14.5	21.7

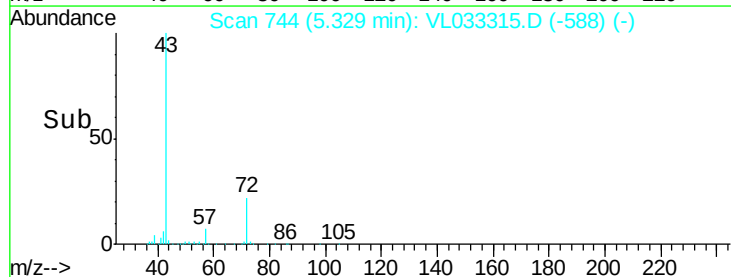
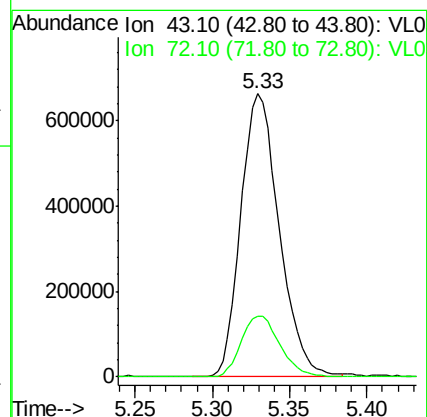
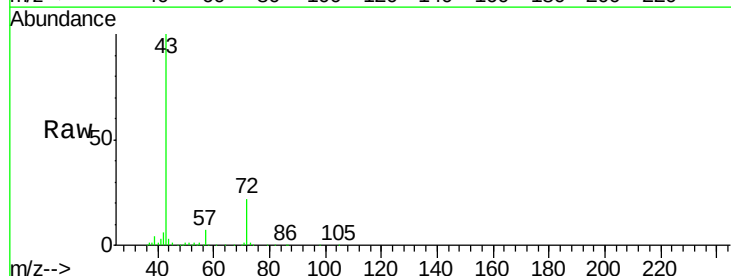
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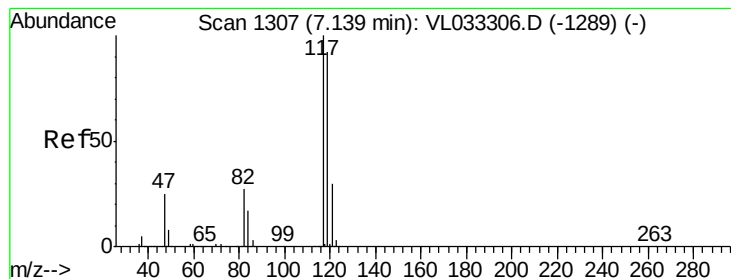
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#34
 2-Butanone
 Concen: 9.335 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.2	25.8





#35

Carbon Tetrachloride

Concen: 10.437 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 1414243

Ion Ratio Lower Upper

117 100

119 93.3 75.9 113.9

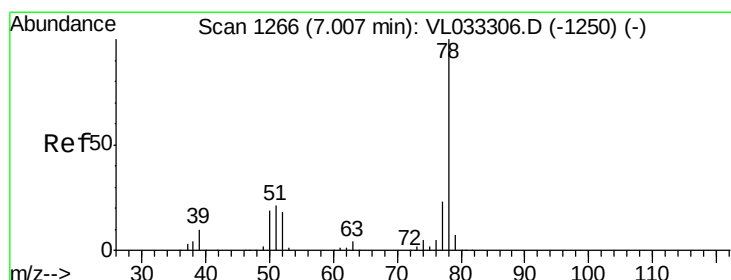
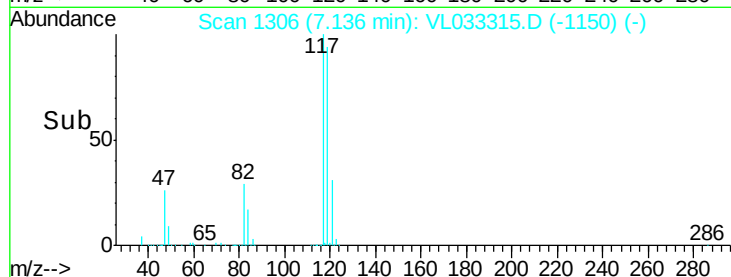
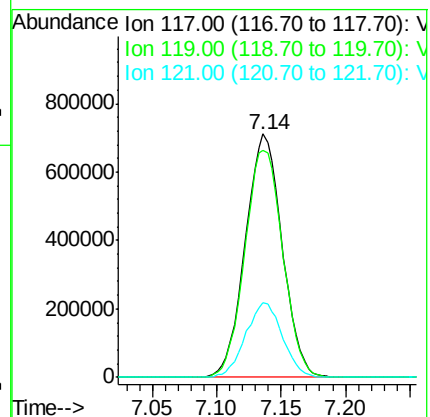
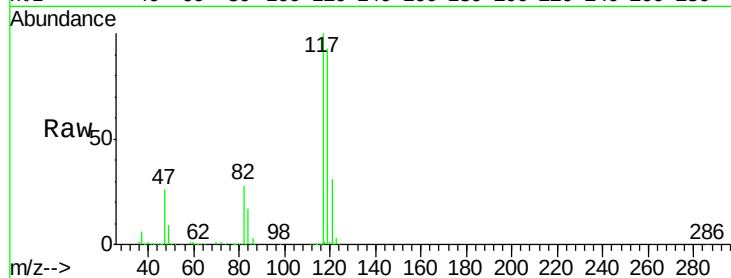
121 30.7 25.2 37.8

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#36

Benzene

Concen: 9.824 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

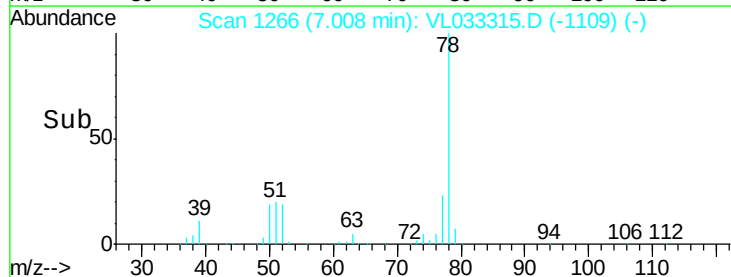
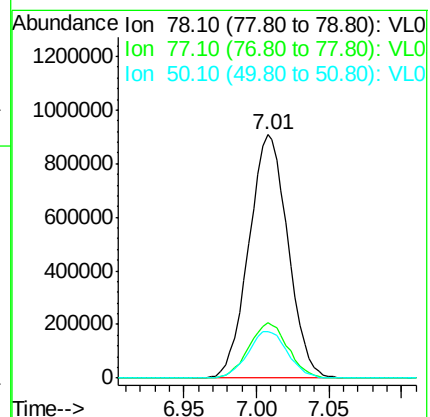
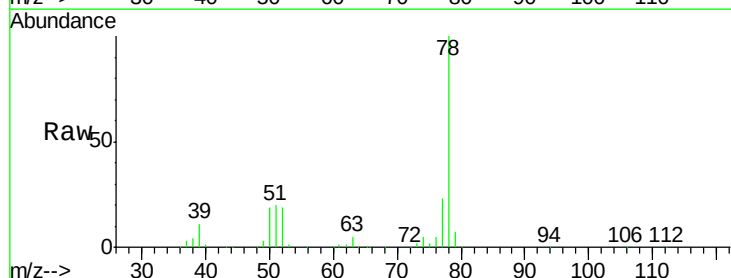
Tgt Ion: 78 Resp: 1700607

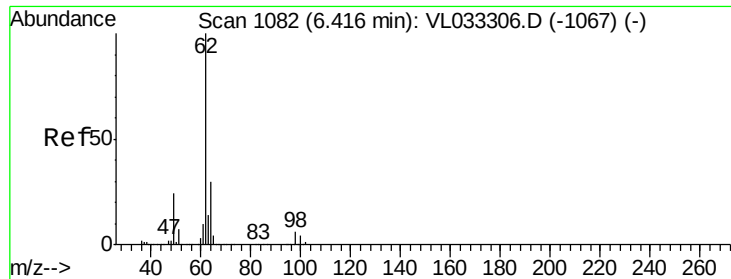
Ion Ratio Lower Upper

78 100

77 22.7 18.6 28.0

50 19.3 15.2 22.8





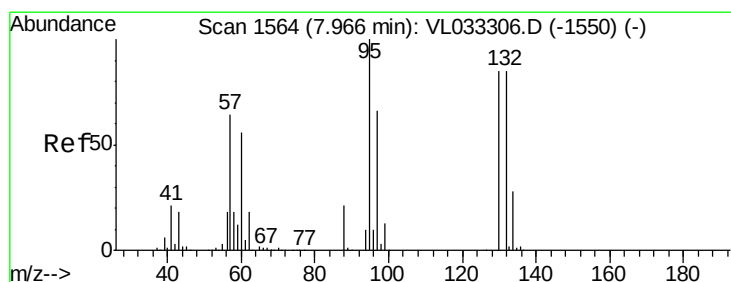
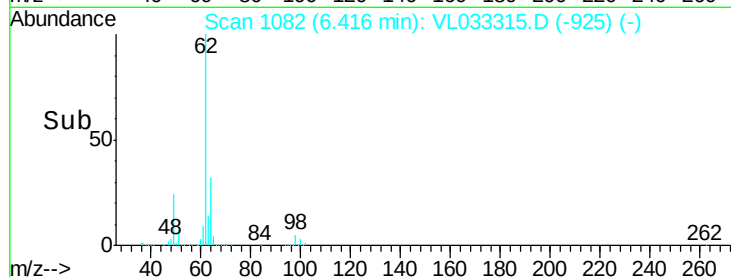
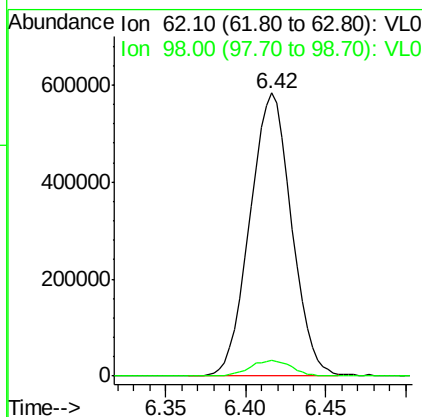
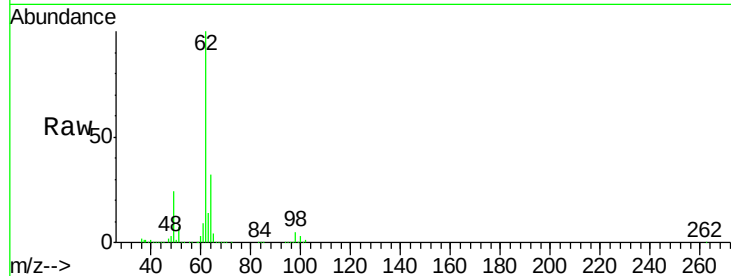
#37
 1,2-Dichloroethane
 Concen: 10.099 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1044374
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.4 6.6

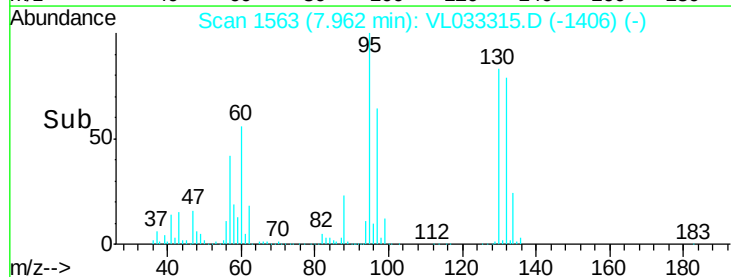
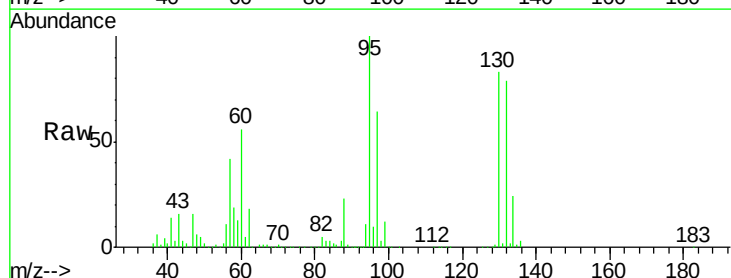
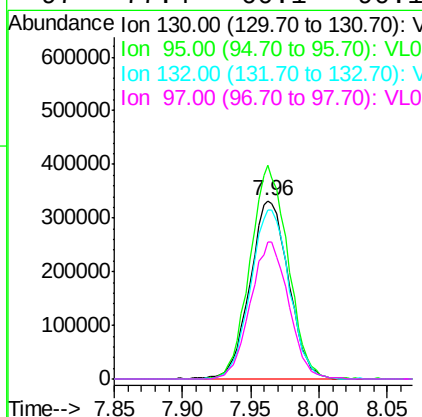
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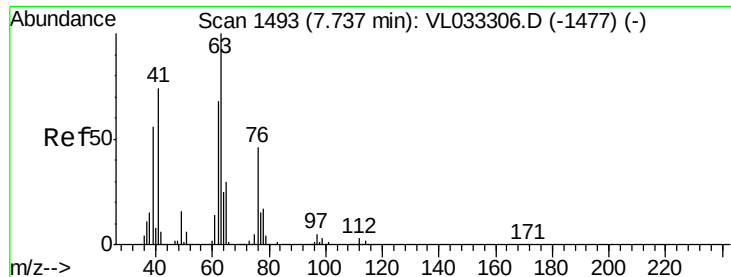
MMDadoda
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#38
 Trichloroethene
 Concen: 9.452 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion: 130 Resp: 646977
 Ion Ratio Lower Upper
 130 100
 95 120.2 95.2 142.8
 132 95.4 72.5 108.7
 97 77.4 60.1 90.1





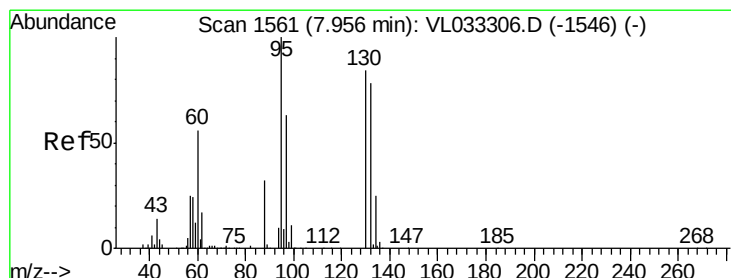
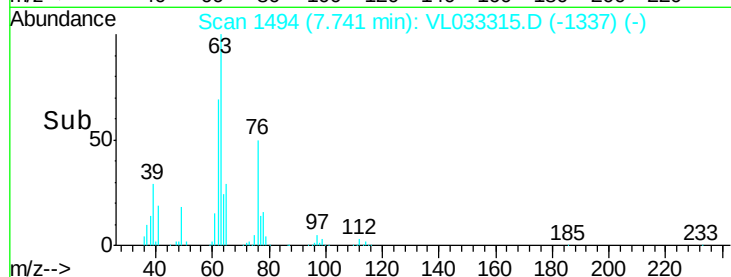
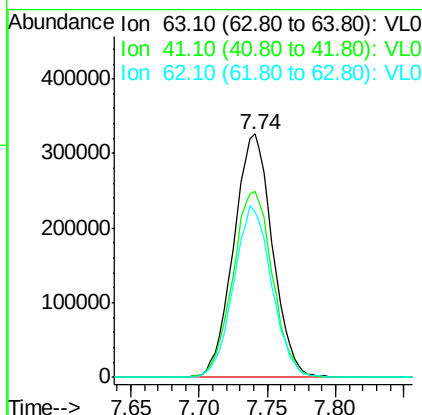
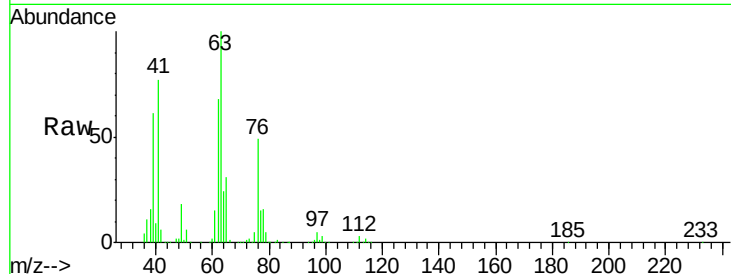
#39
 1,2-Dichloropropane
 Concen: 9.684 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.5	59.0	88.4
62	67.9	53.0	79.4

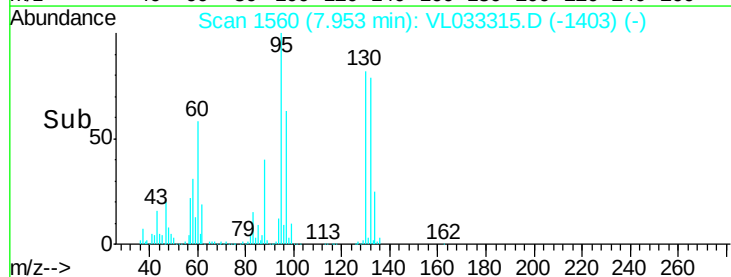
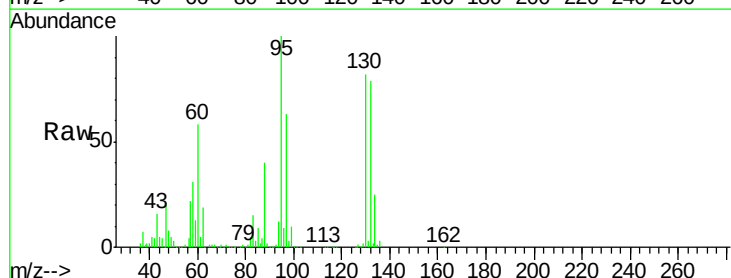
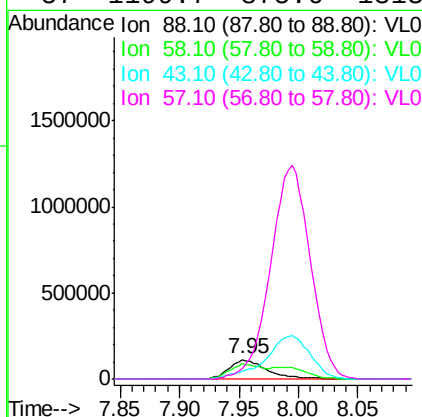
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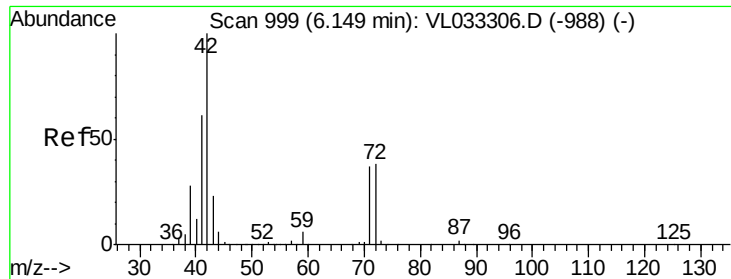
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#40
 1,4-Dioxane
 Concen: 9.977 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	129.0	97.7	146.5
43	272.5	199.4	299.2
57	1199.7	875.6	1313.4





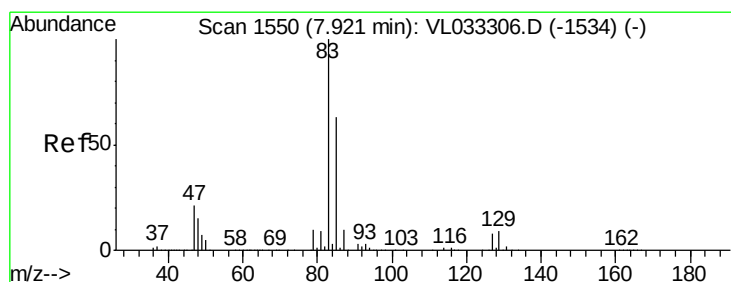
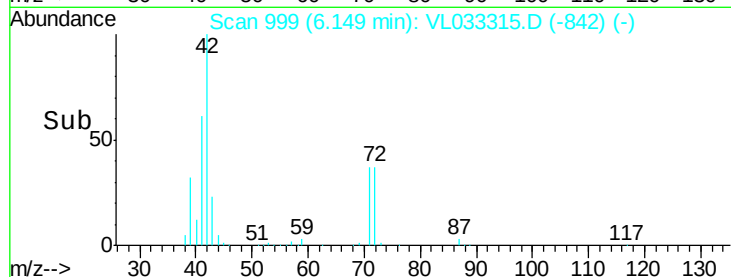
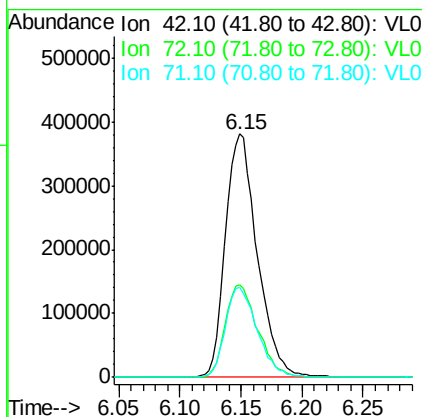
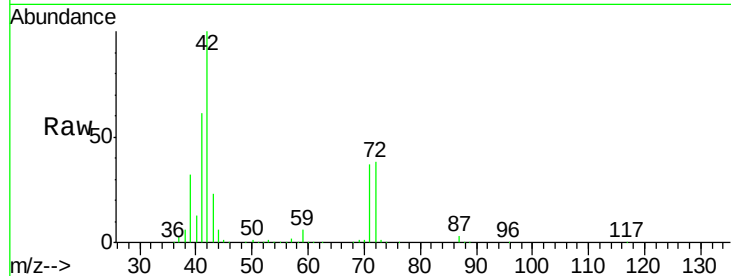
#41
Tetrahydrofuran
Concen: 10.335 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.8	46.2
71	37.0	30.0	45.0

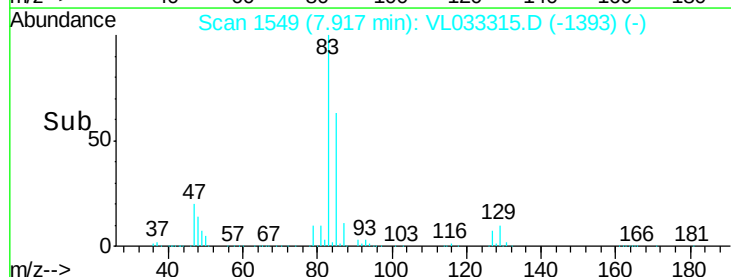
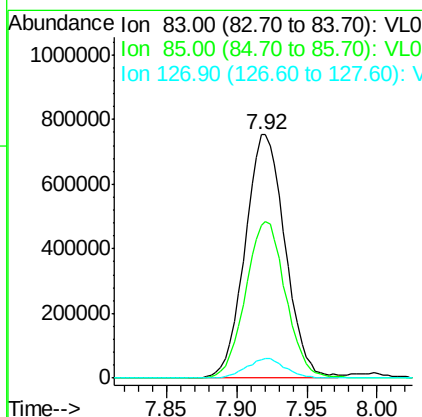
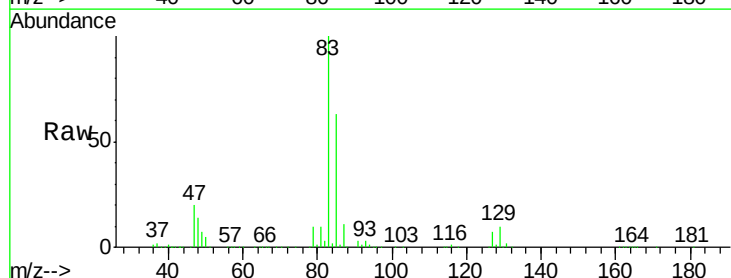
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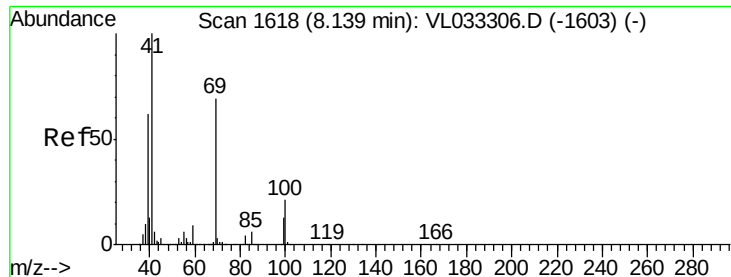
MMDadoda
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#42
Bromodichloromethane
Concen: 10.321 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.0	76.4
127	7.5	6.6	10.0





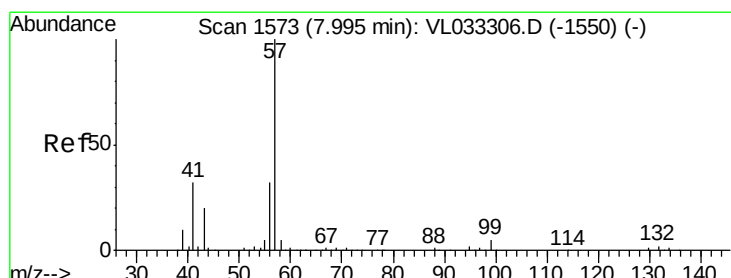
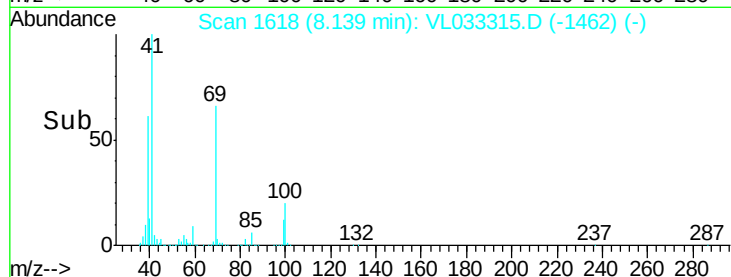
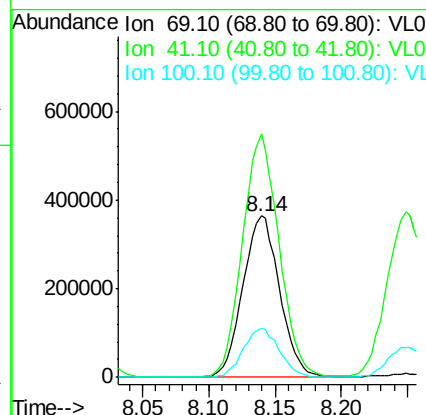
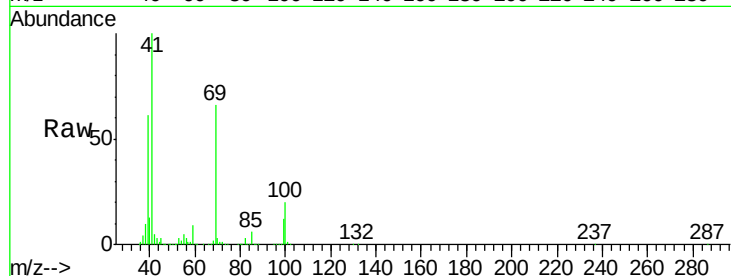
#43
Methyl Methacrylate
Concen: 10.189 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	149.6	117.0	175.4
100	29.8	24.3	36.5

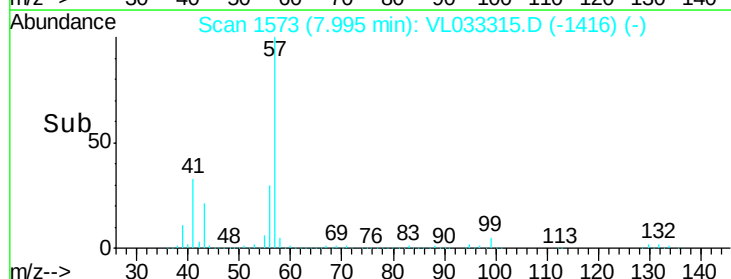
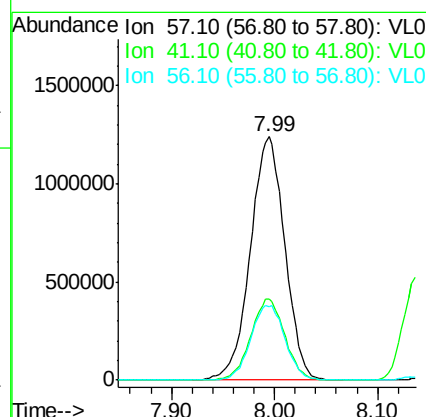
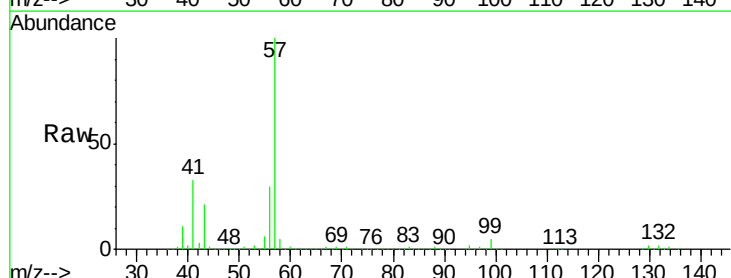
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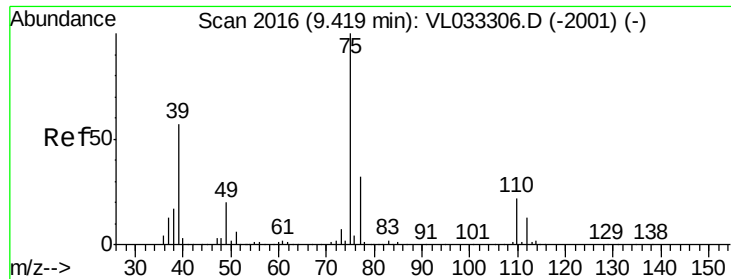
MMDadoda
3/15/2019 10:42:10 PM



#44
2,2,4-Trimethylpentane
Concen: 9.693 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.8	25.9	38.9
56	30.6	24.6	36.8





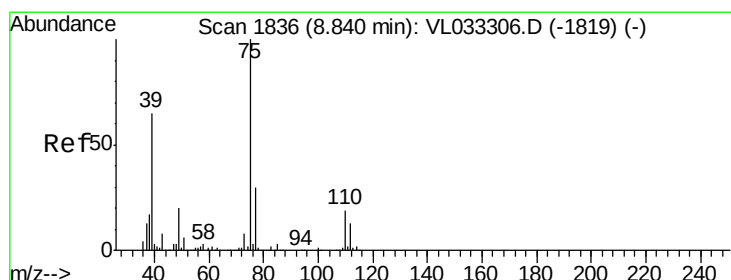
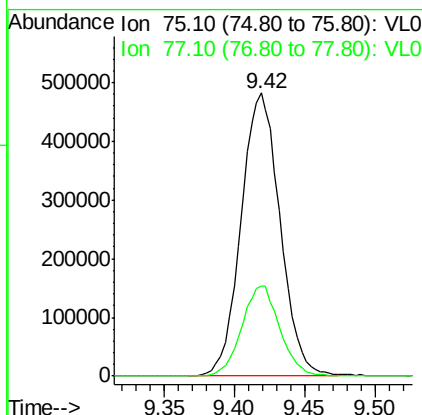
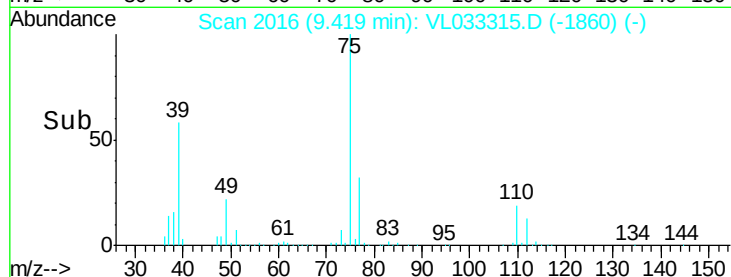
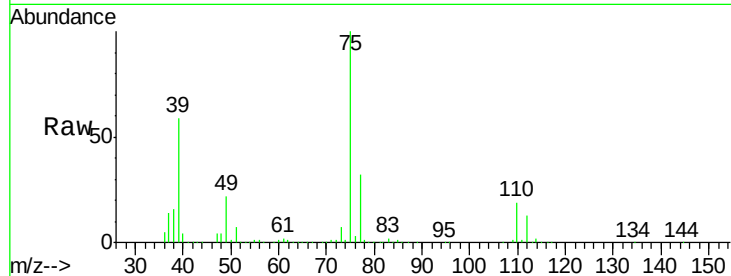
#45
 t-1,3-Dichloropropene
 Concen: 11.521 ppbv
 RT: 9.42 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 931154
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9

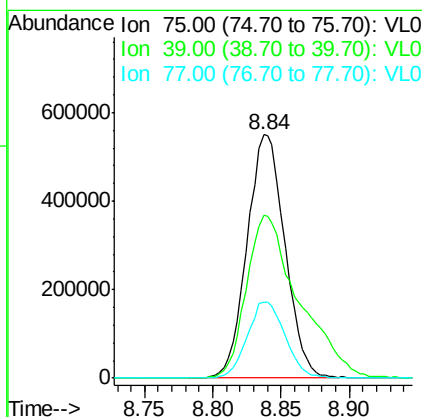
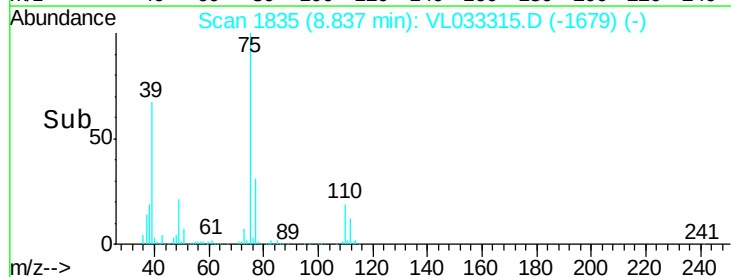
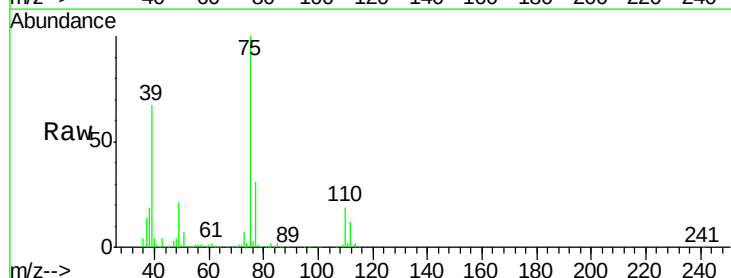
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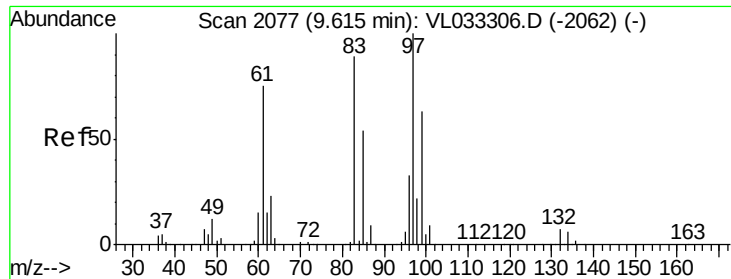
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 3/15/2019 10:42:10 PM



#46
 cis-1,3-Dichloropropene
 Concen: 10.885 ppbv
 RT: 8.84 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion: 75 Resp: 1059995
 Ion Ratio Lower Upper
 75 100
 39 66.9 53.4 80.2
 77 31.2 23.7 35.5





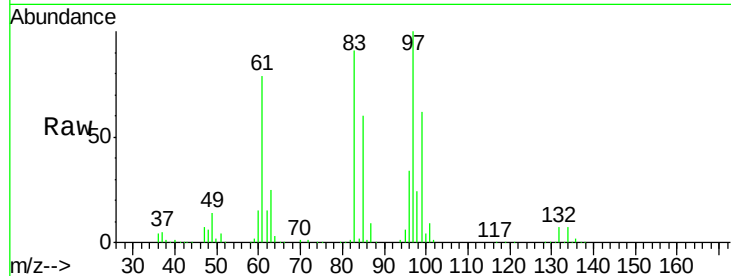
#47
 1,1,2-Trichloroethane
 Concen: 9.777 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

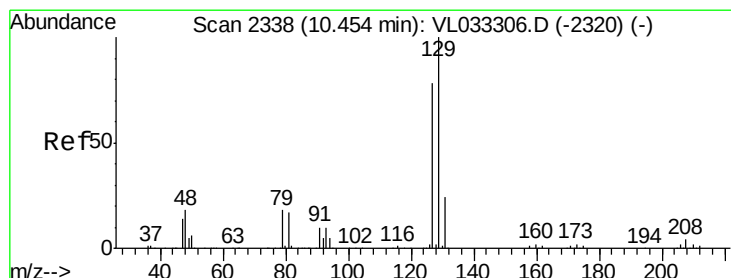
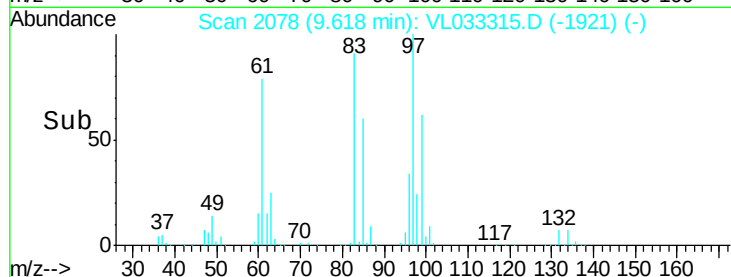
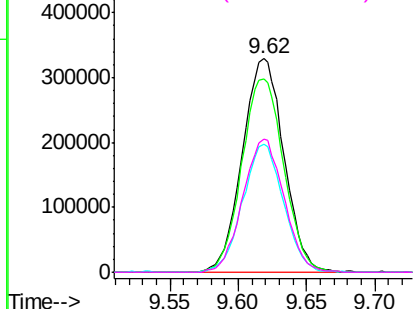
Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	72.7	109.1
85	59.5	45.6	68.4
99	62.3	48.5	72.7

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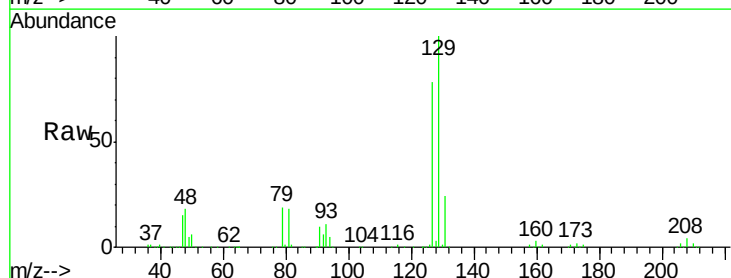


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

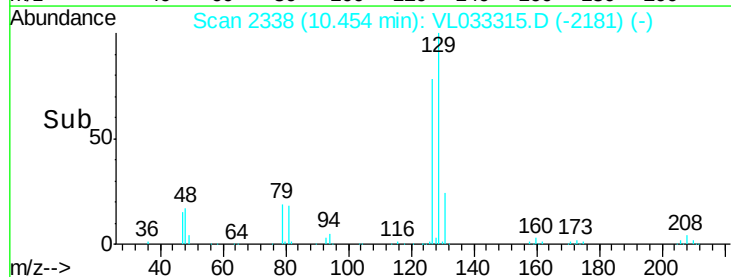
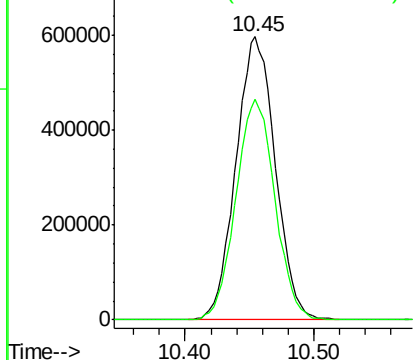


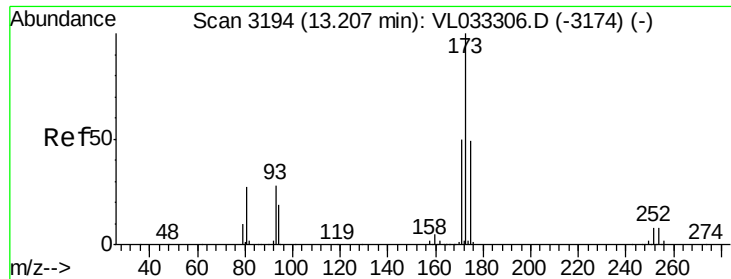
#48
 Dibromochloromethane
 Concen: 10.811 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	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: 12.329 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 1250374

Ion Ratio Lower Upper

173 100

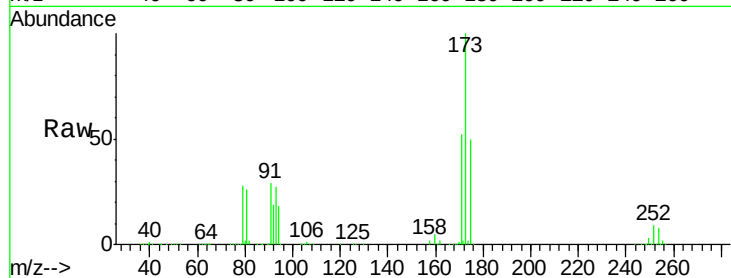
175 48.1 38.6 58.0

171 51.6 42.0 63.0

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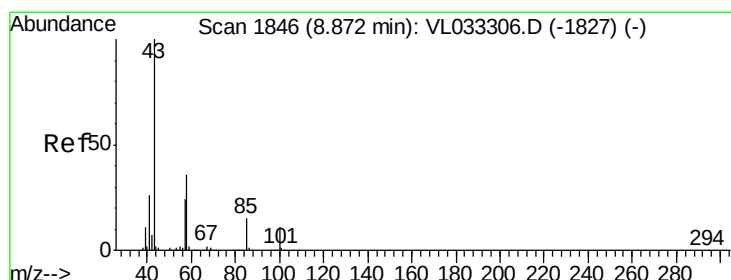
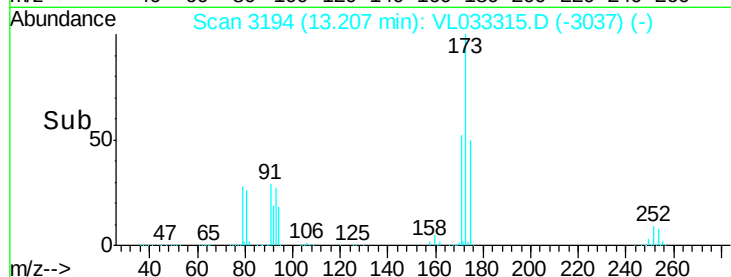
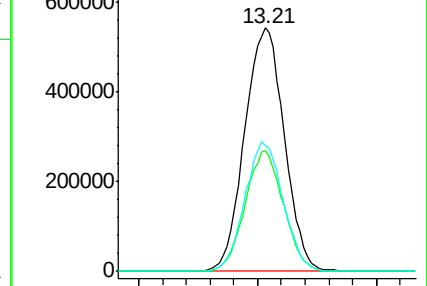
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.961 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033315.D

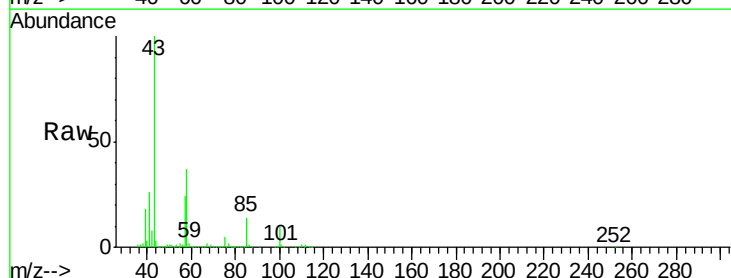
Acq: 14 Mar 2019 14:16

Tgt Ion: 43 Resp: 1758853

Ion Ratio Lower Upper

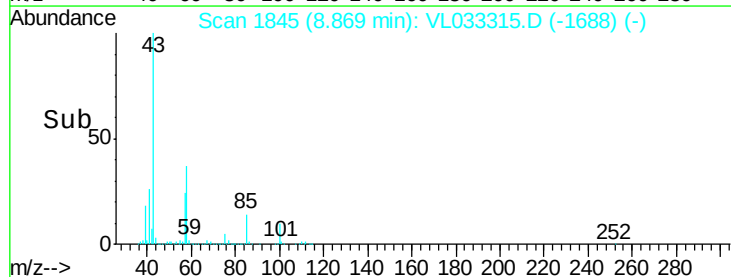
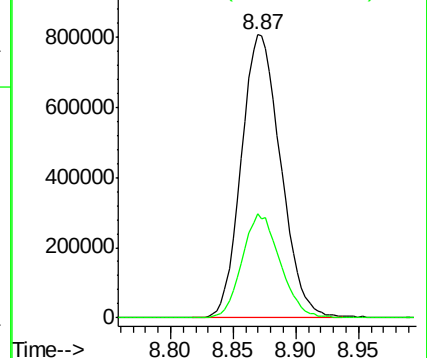
43 100

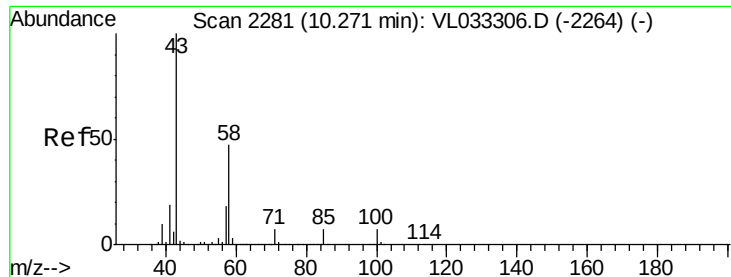
58 35.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.311 ppbv

RT: 10.27 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1390126

Ion Ratio Lower Upper

43 100

58 47.5 38.4 57.6

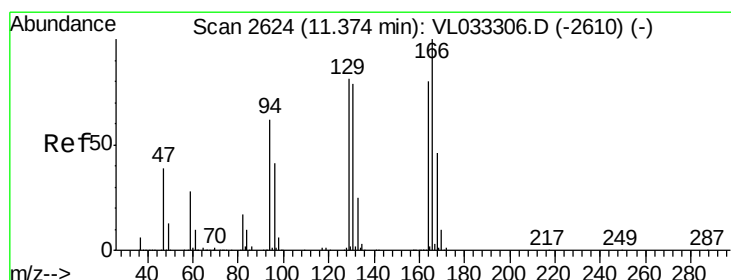
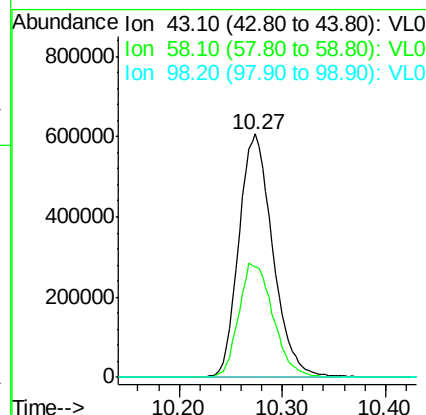
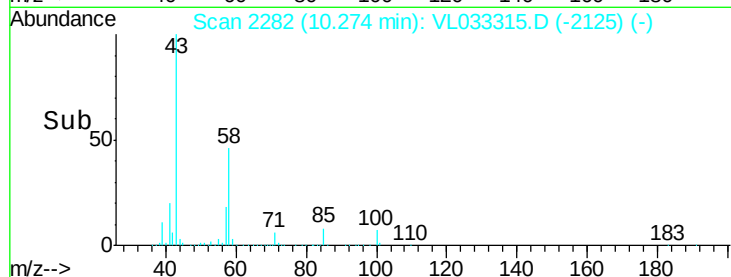
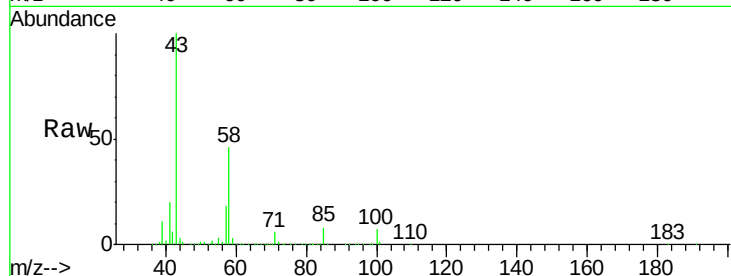
98 0.3 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.830 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion: 164 Resp: 627878

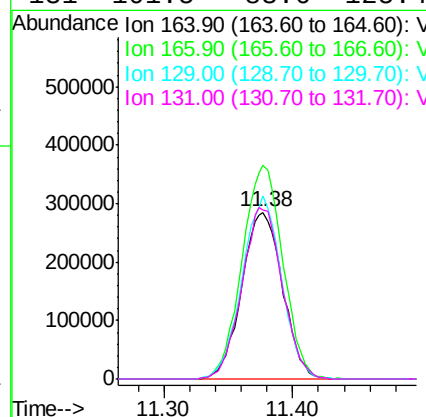
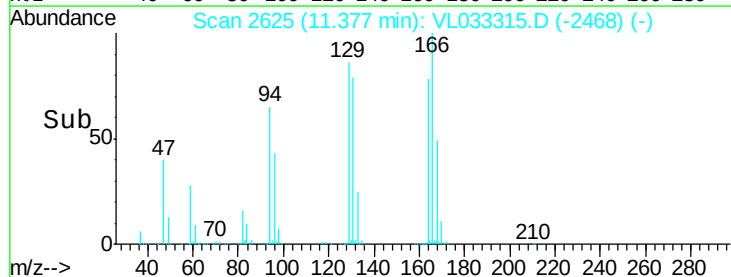
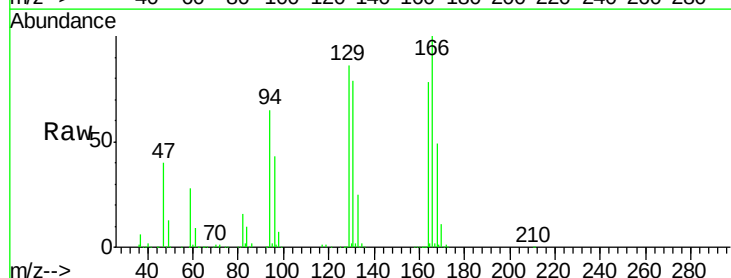
Ion Ratio Lower Upper

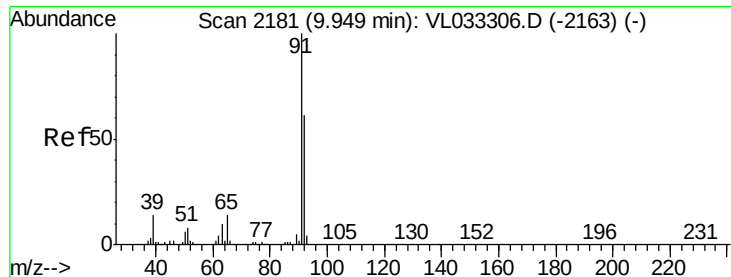
164 100

166 127.9 103.2 154.8

129 109.5 85.8 128.8

131 101.5 83.6 125.4





#53

Toluene

Concen: 10.145 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2010889

Ion Ratio Lower Upper

91 100

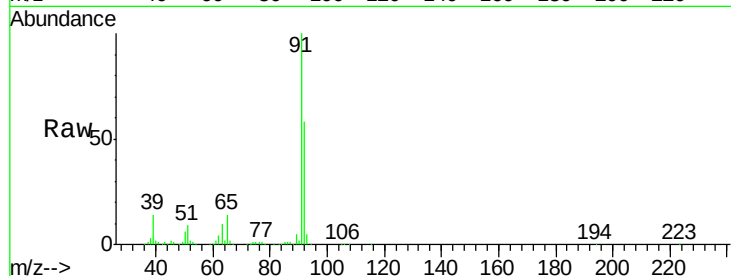
92 58.9 47.4 71.2

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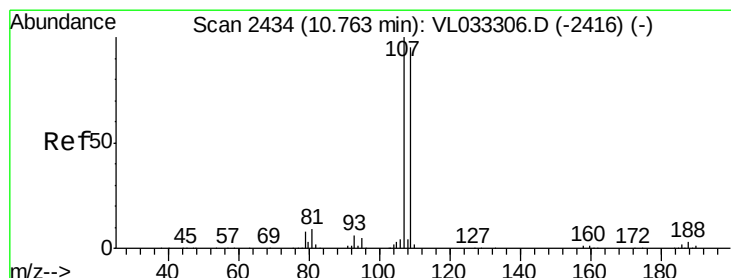
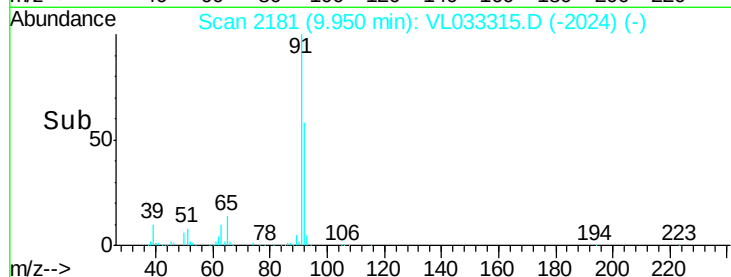
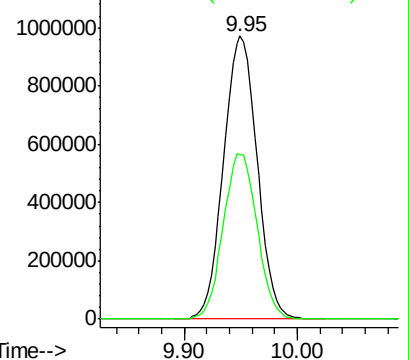
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.910 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL033315.D

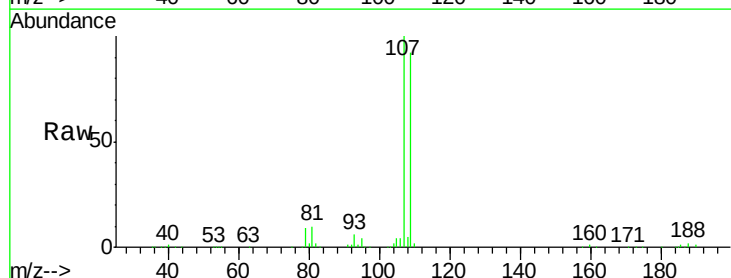
Acq: 14 Mar 2019 14:16

Tgt Ion: 107 Resp: 1125659

Ion Ratio Lower Upper

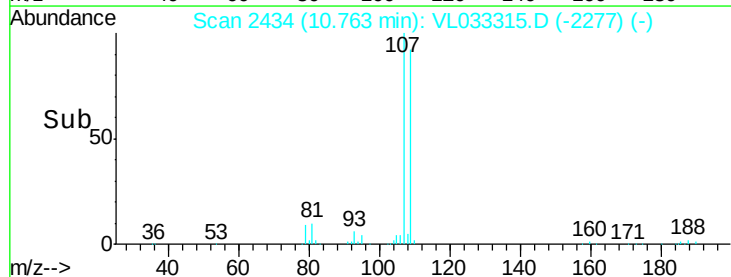
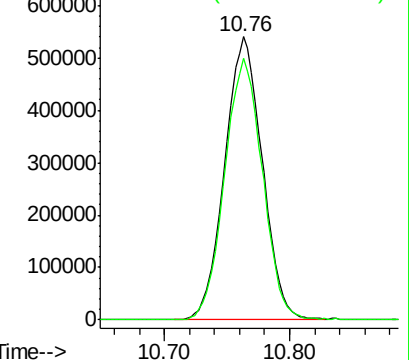
107 100

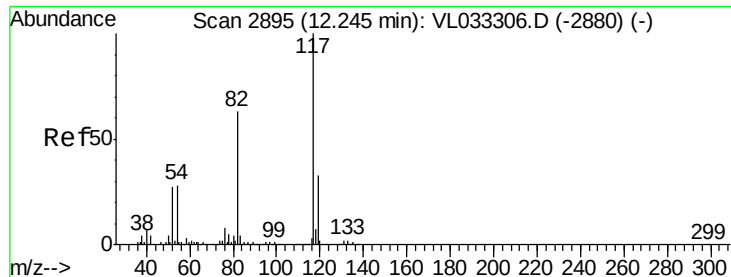
109 92.3 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 2188807

Ion Ratio Lower Upper

117 100

82 63.7 51.3 76.9

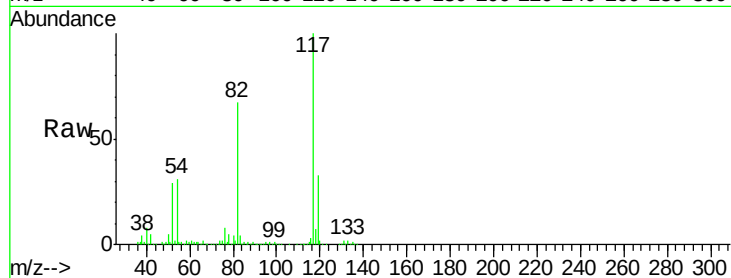
119 30.2 27.0 40.4

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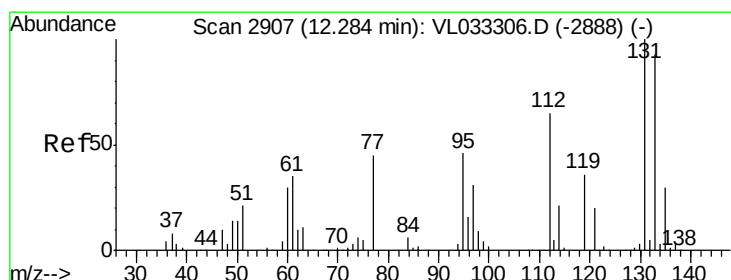
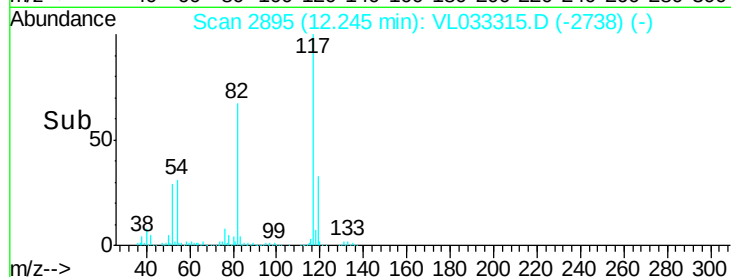
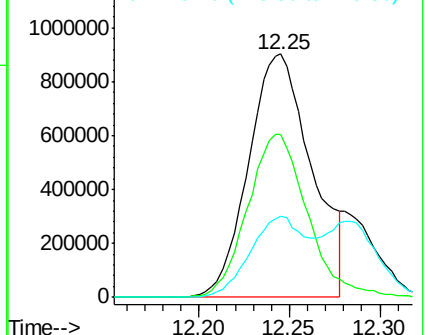
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.034 ppbv

RT: 12.28 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

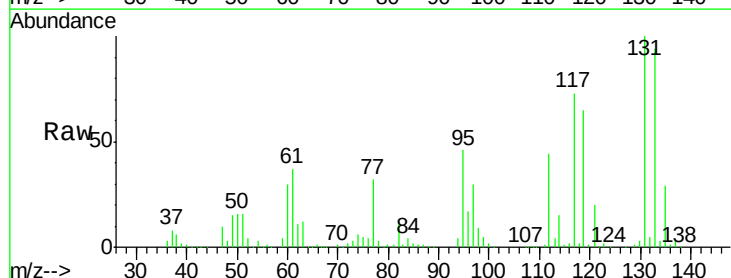
Tgt Ion:131 Resp: 985398

Ion Ratio Lower Upper

131 100

133 95.4 75.3 112.9

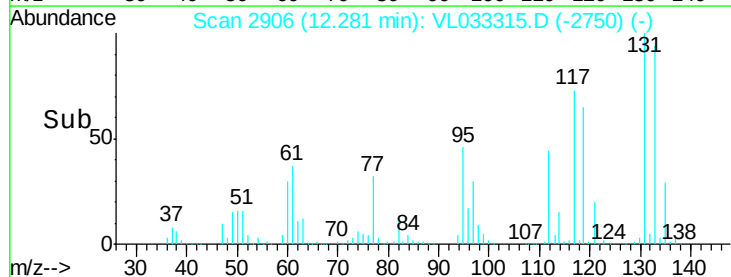
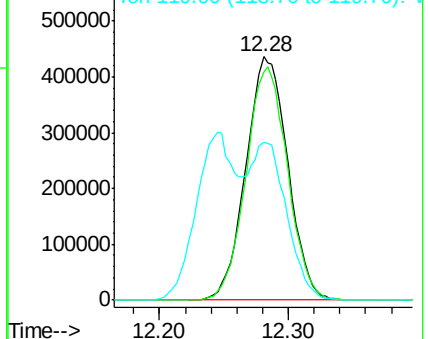
119 58.5 45.0 67.4

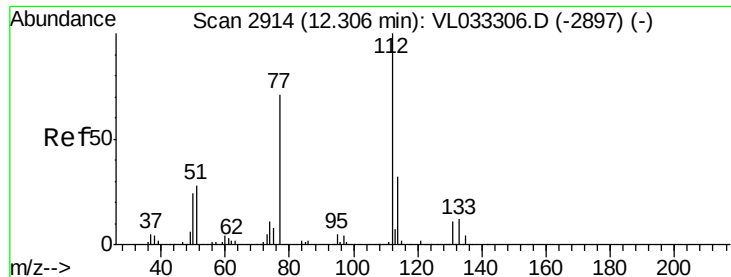


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





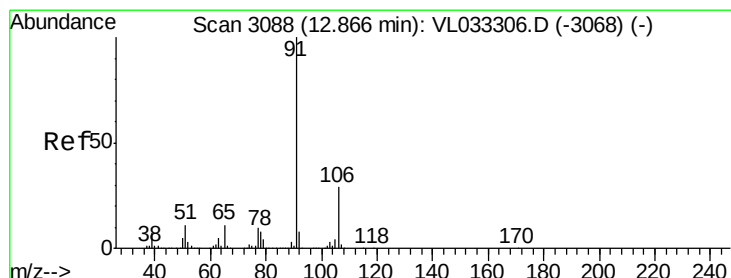
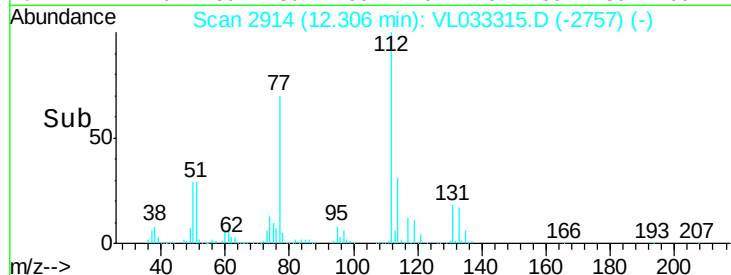
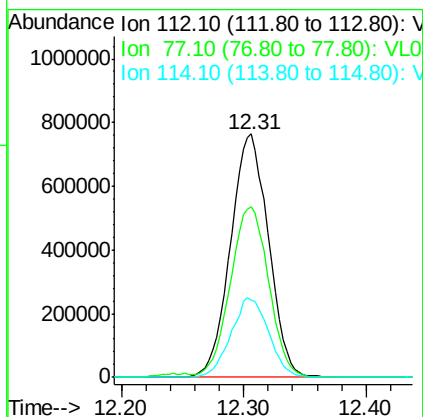
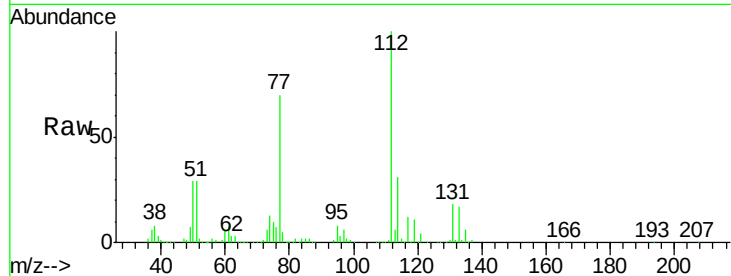
#57
Chlorobenzene
Concen: 9.323 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 1647485
Ion Ratio Lower Upper
112 100
77 69.9 54.7 82.1
114 31.4 29.6 36.2

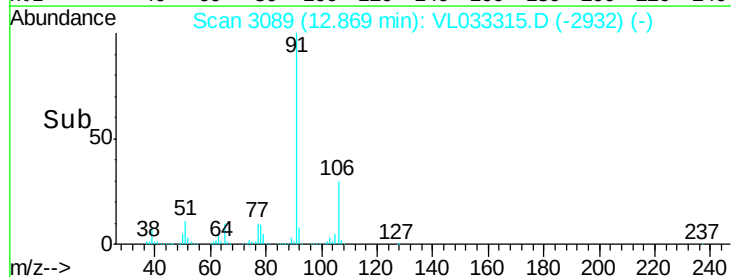
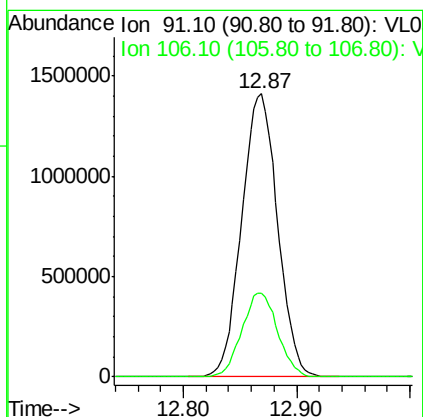
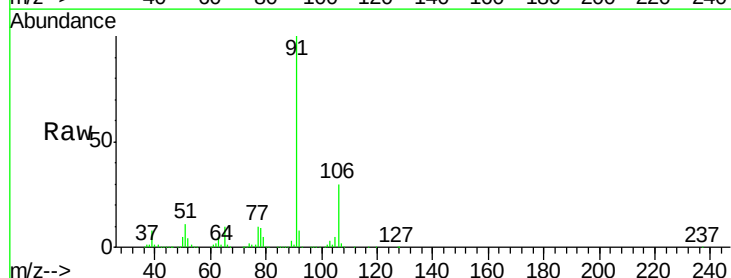
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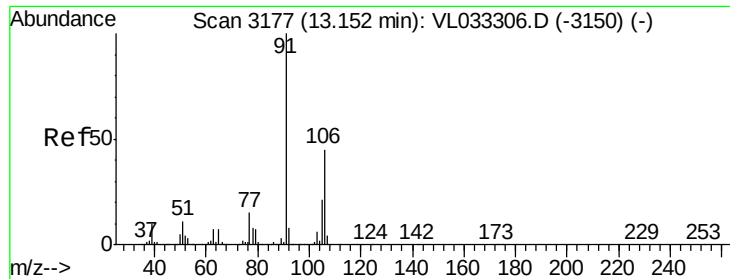
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#58
Ethyl Benzene
Concen: 9.915 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 91 Resp: 3115333
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6





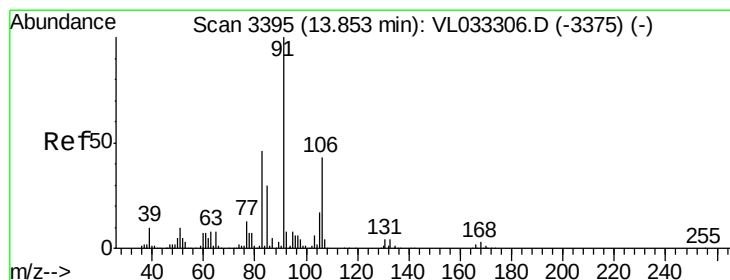
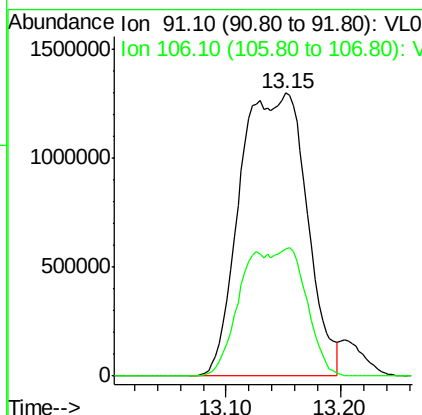
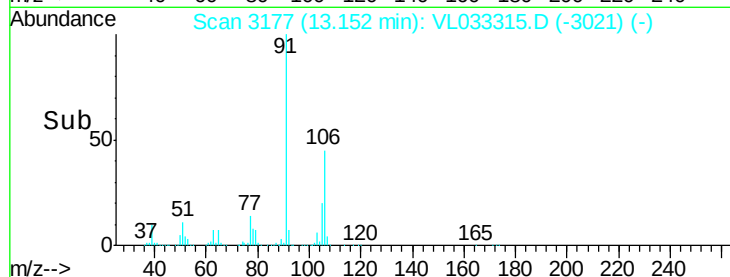
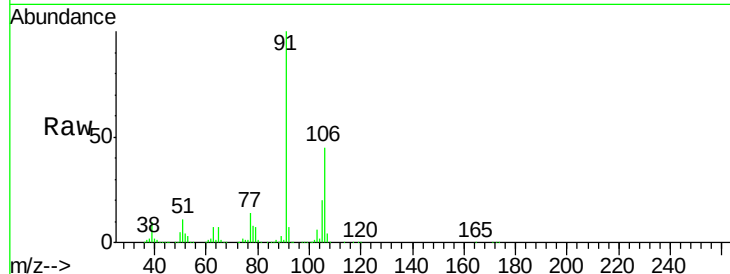
#59
m/p-Xylene
Concen: 19.825 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 5237849
Ion Ratio Lower Upper
91 100
106 44.1 0.0 0.0#

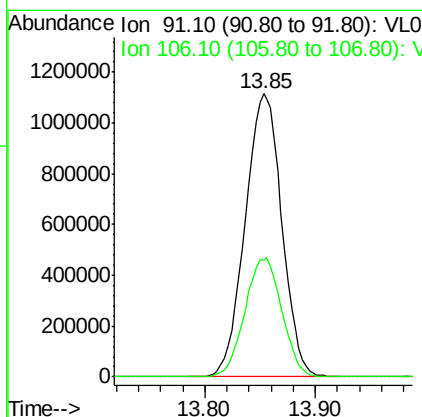
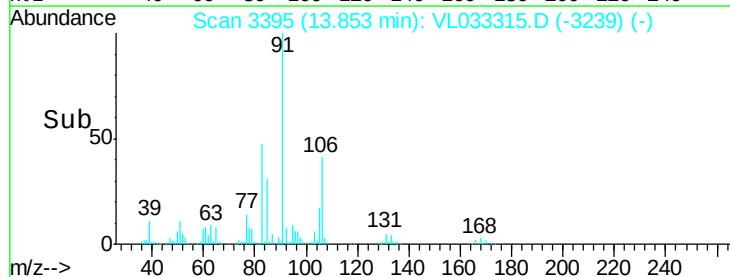
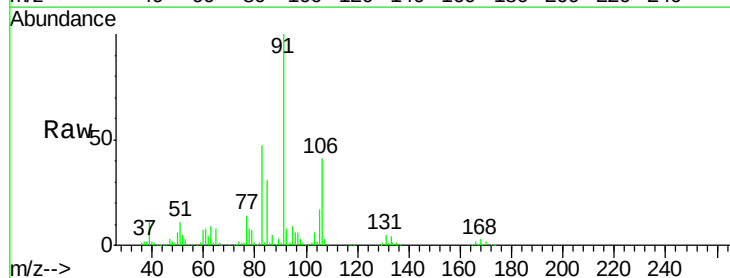
Manual Integrations
APPROVED

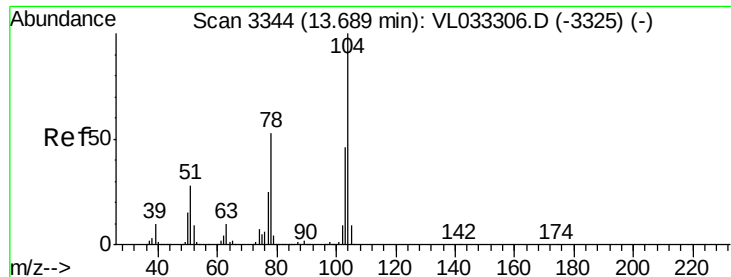
MMDadoda
3/15/2019 10:42:10 PM



#60
o-Xylene
Concen: 10.040 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 91 Resp: 2558466
Ion Ratio Lower Upper
91 100
106 42.3 21.4 64.3





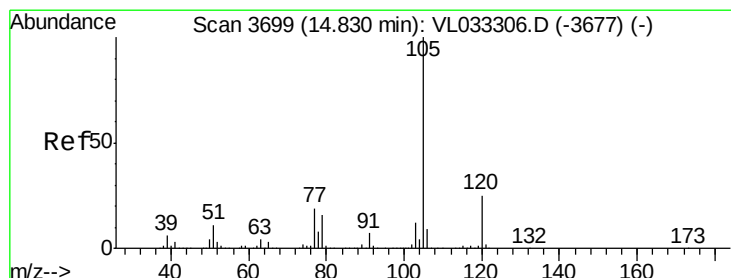
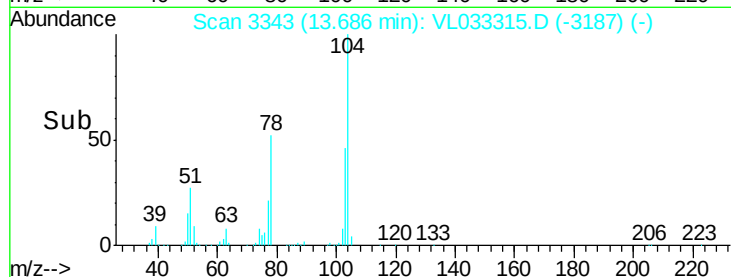
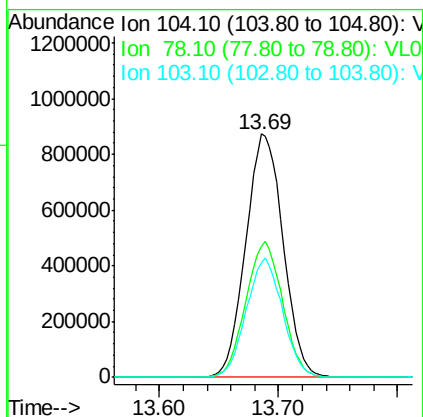
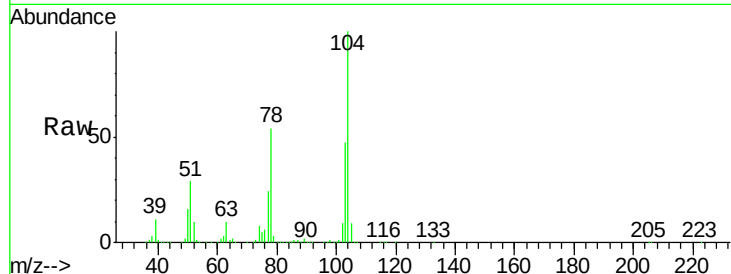
#61
Styrene
Concen: 10.608 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1897104
Ion Ratio Lower Upper
104 100
78 54.9 43.3 64.9
103 47.6 38.2 57.2

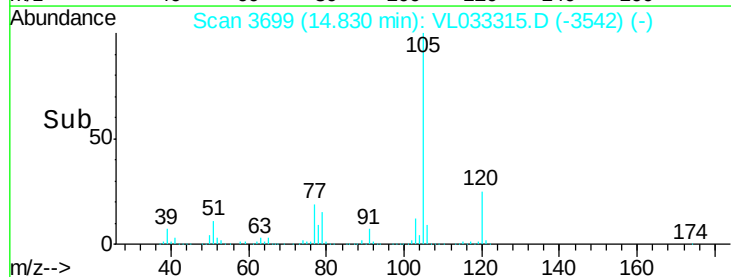
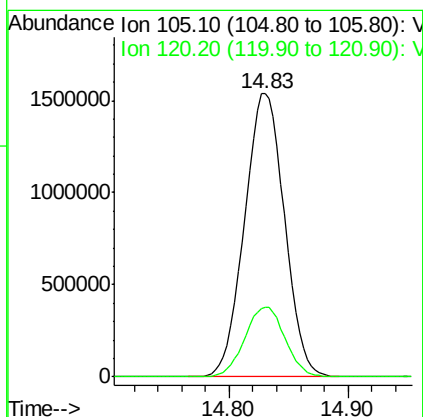
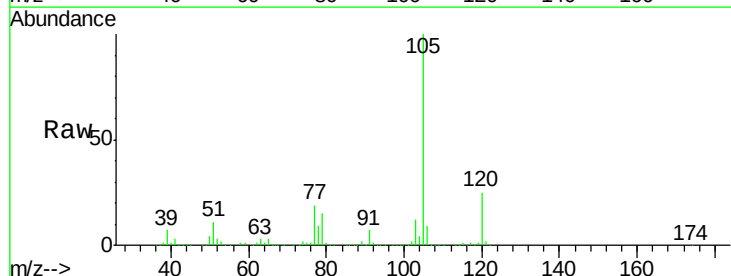
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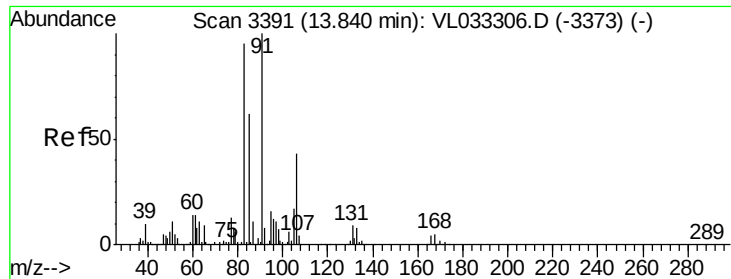
MMDadoda
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#62
Isopropylbenzene
Concen: 9.982 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion:105 Resp: 3578682
Ion Ratio Lower Upper
105 100
120 24.8 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.599 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 1763067

Ion Ratio Lower Upper

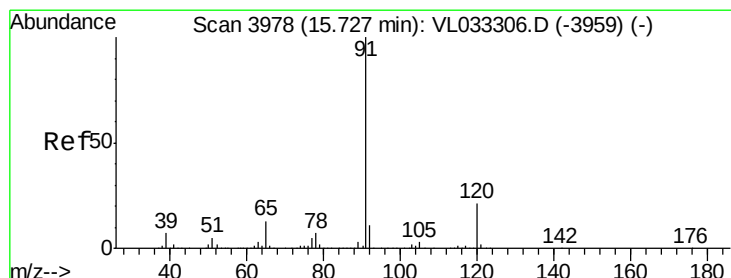
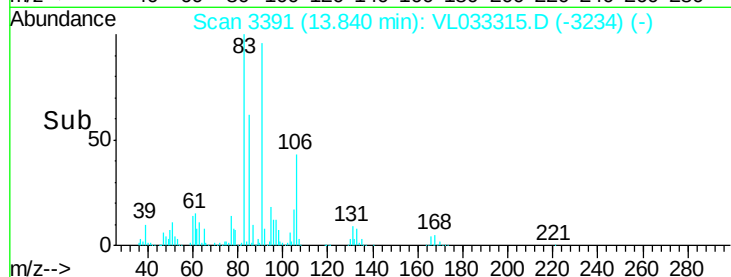
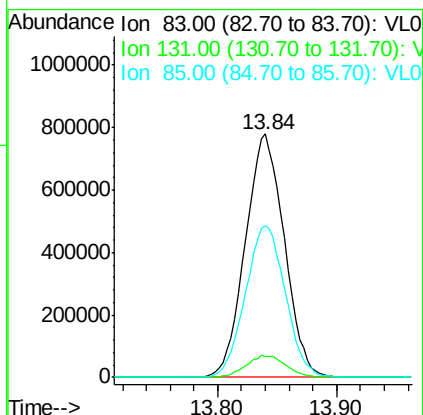
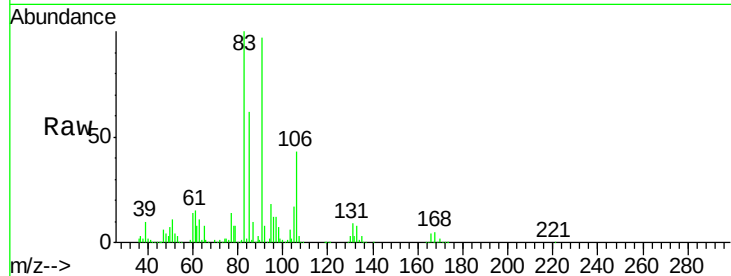
83 100

131 9.2 4.6 13.8

85 64.1 32.5 97.4

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#64

n-propylbenzene

Concen: 10.164 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. 0.00 min

Lab File: VL033315.D

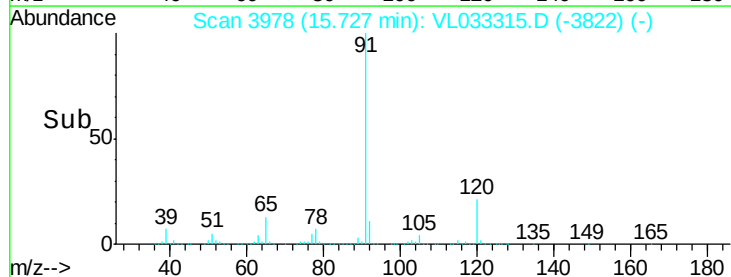
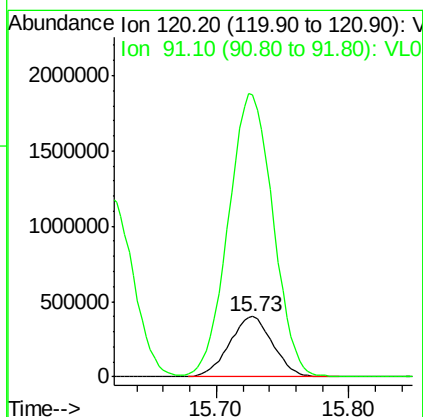
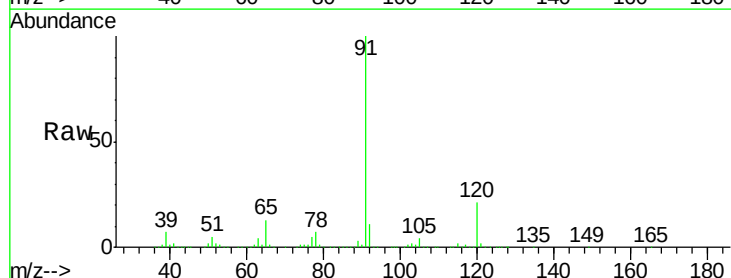
Acq: 14 Mar 2019 14:16

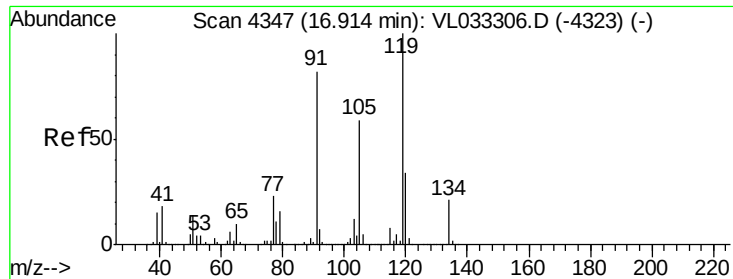
Tgt Ion: 120 Resp: 903611

Ion Ratio Lower Upper

120 100

91 486.5 393.7 590.5





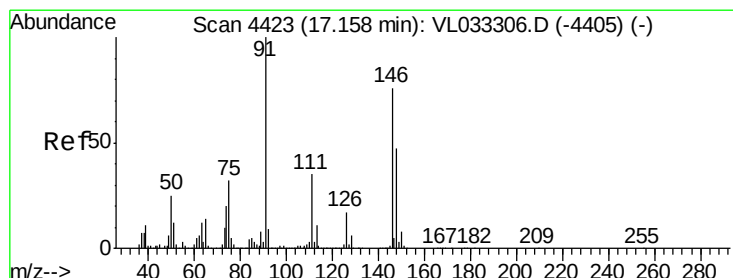
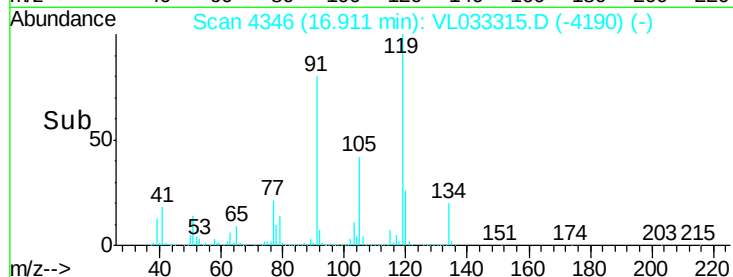
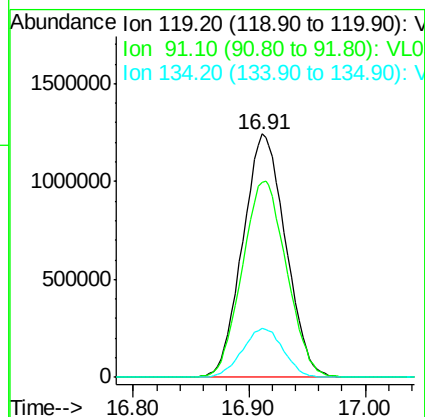
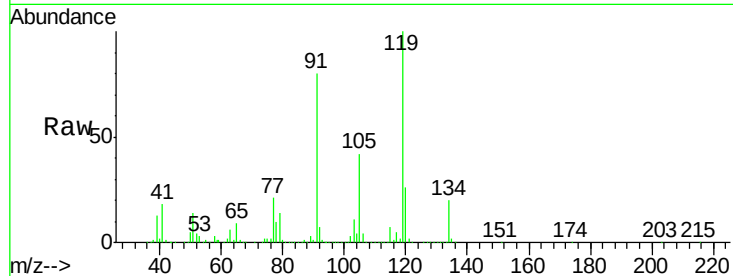
#65
 tert-Butylbenzene
 Concen: 10.544 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3195030
 Ion Ratio Lower Upper
 119 100
 91 83.4 66.4 99.6
 134 19.3 15.4 23.2

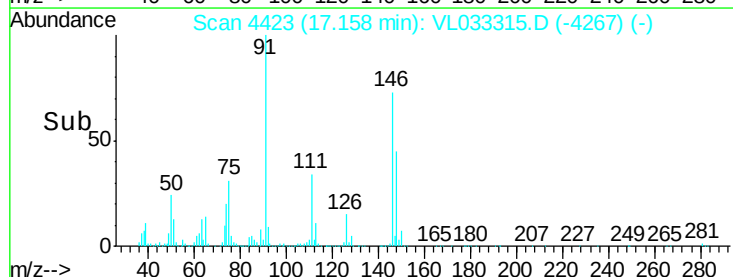
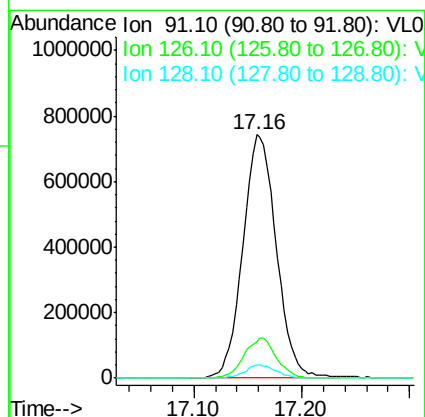
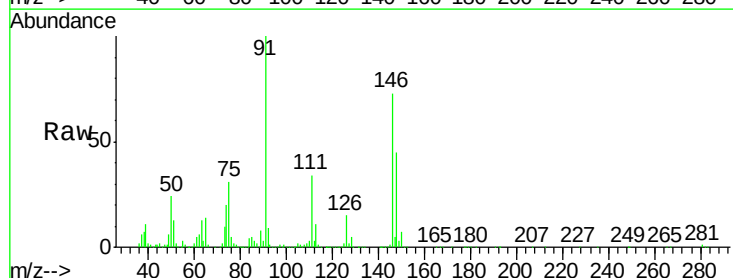
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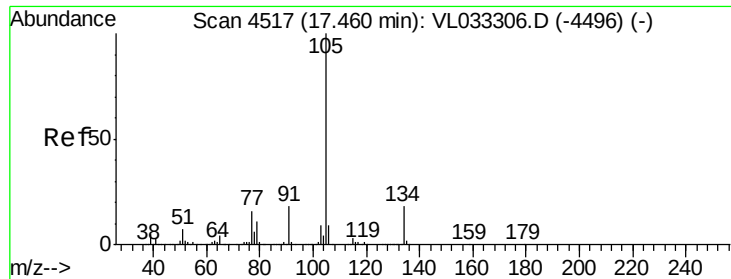
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#66
 Benzyl Chloride
 Concen: 13.290 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion: 91 Resp: 1602282
 Ion Ratio Lower Upper
 91 100
 126 16.1 12.9 19.3
 128 5.2 4.2 6.2





#67

sec-Butylbenzene

Concen: 10.428 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 4542859

Ion Ratio Lower Upper

105 100

134 17.7

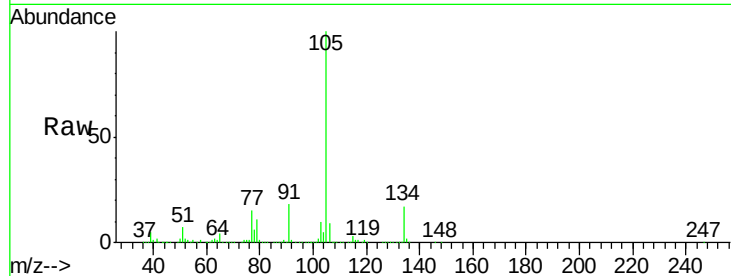
14.2 21.2

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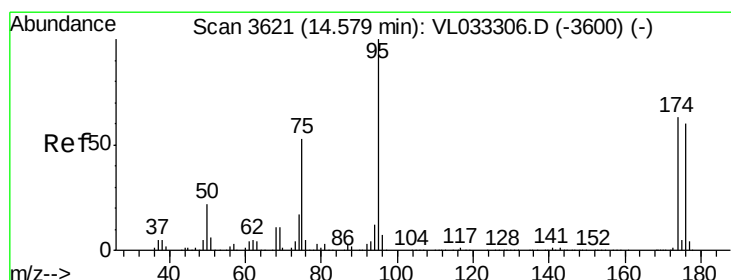
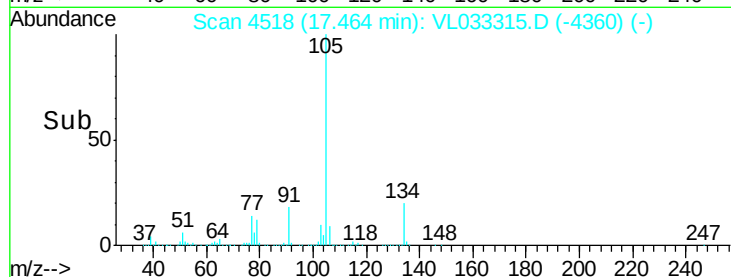
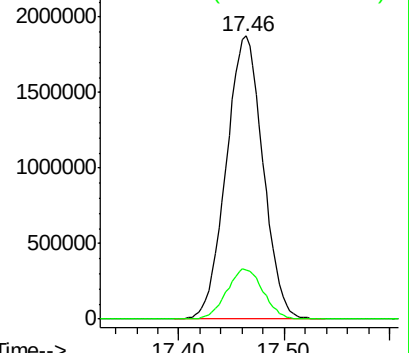
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.721 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion: 95 Resp: 1624900

Ion Ratio Lower Upper

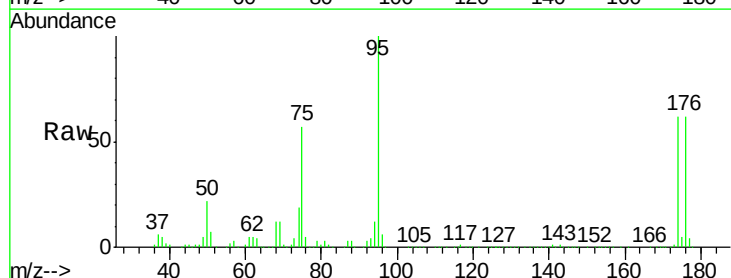
95 100

174 64.3

175 4.7

51.9 77.9

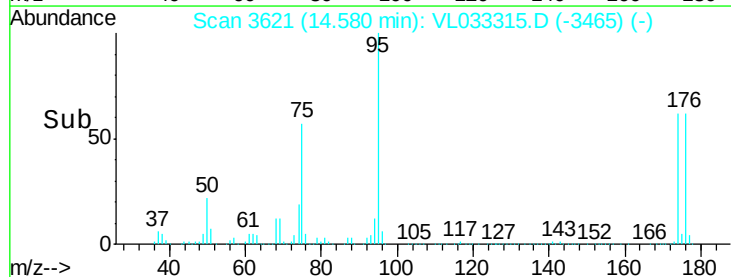
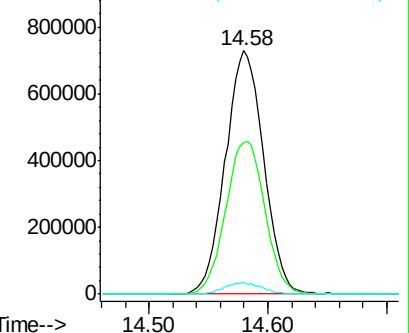
3.9 5.9

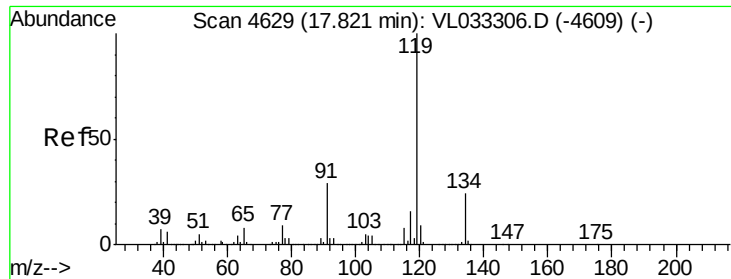


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





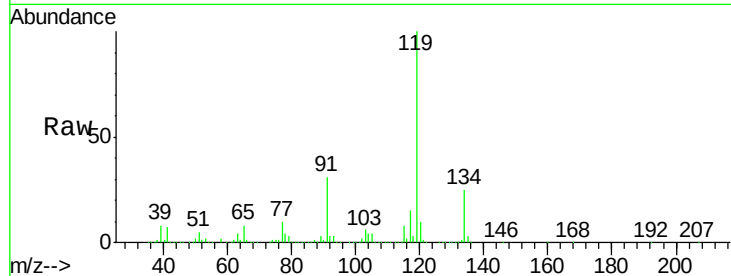
#69
p-Isopropyltoluene
Concen: 10.767 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

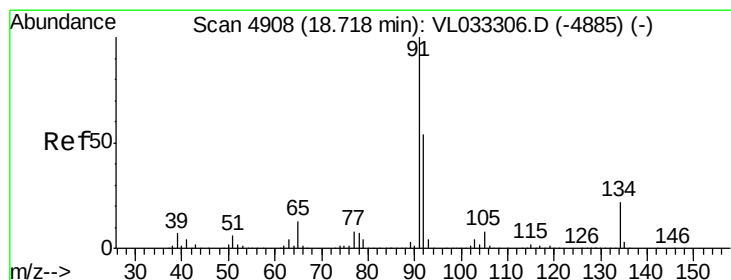
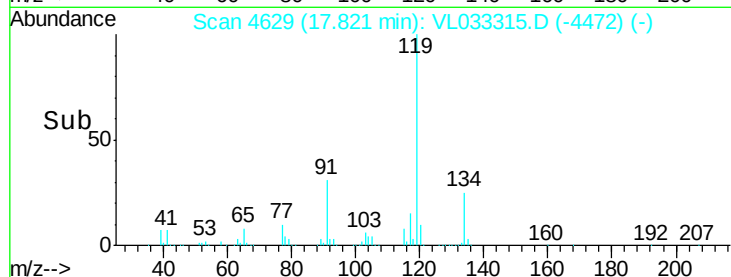
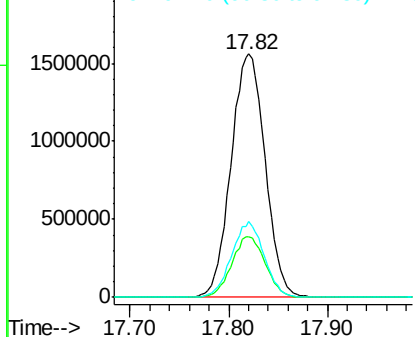
Tgt Ion: 119 Resp: 3747817
Ion Ratio Lower Upper
119 100
134 24.7 19.8 29.6
91 29.7 23.8 35.8

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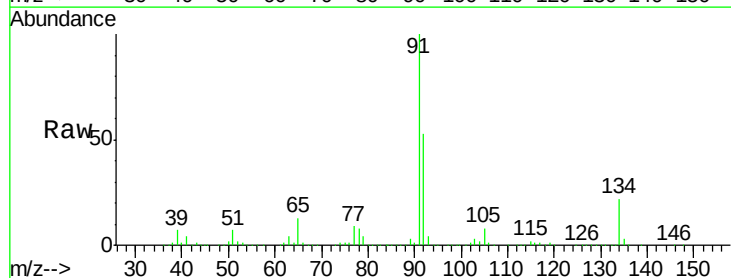


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

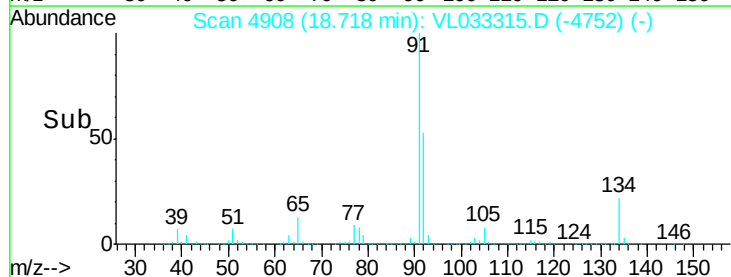
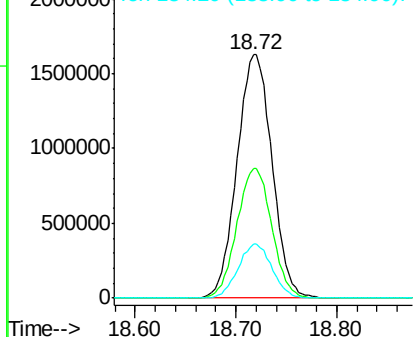


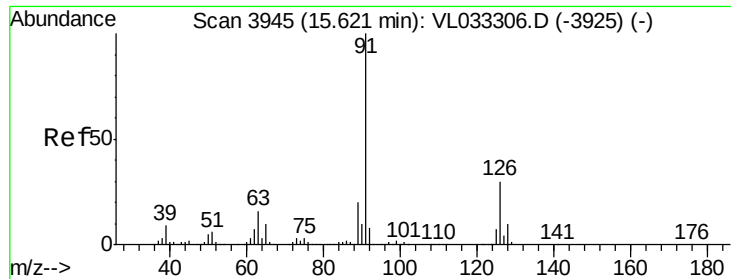
#70
n-Butylbenzene
Concen: 10.729 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion: 91 Resp: 3904801
Ion Ratio Lower Upper
91 100
92 53.1 42.6 63.8
134 21.6 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: 10.265 ppbv

RT: 15.62 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2756356

Ion Ratio Lower Upper

91 100

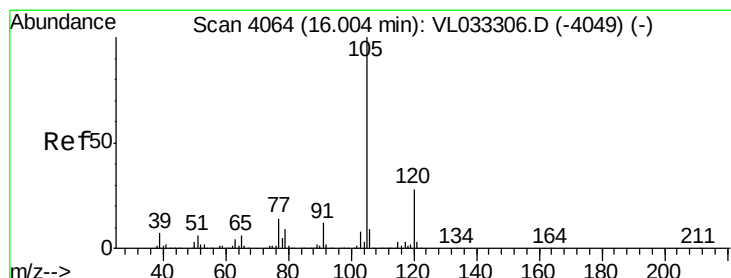
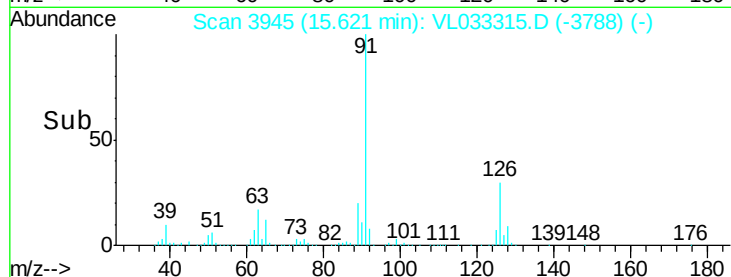
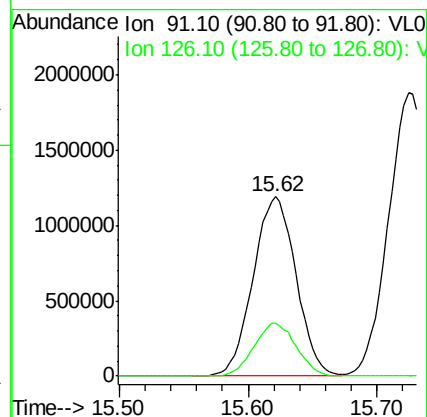
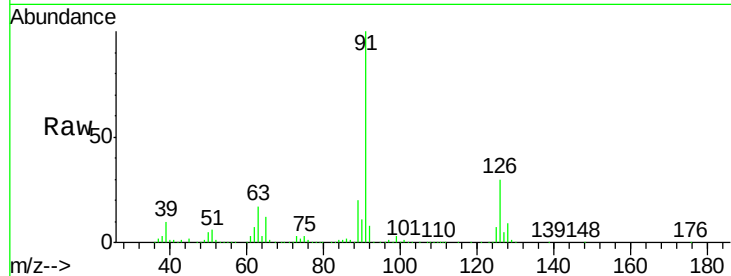
126 29.4 11.8 47.0

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#72

4-Ethyltoluene

Concen: 10.917 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion: 105 Resp: 2980416

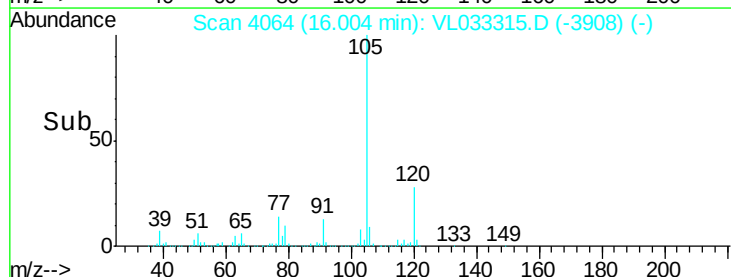
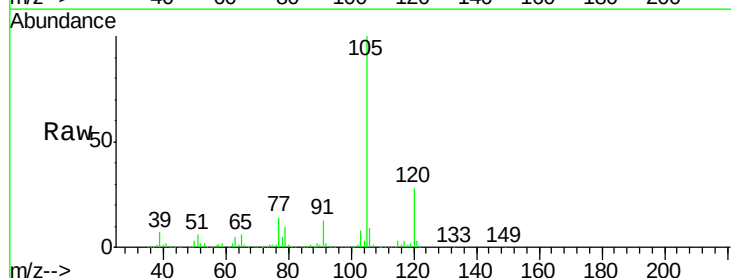
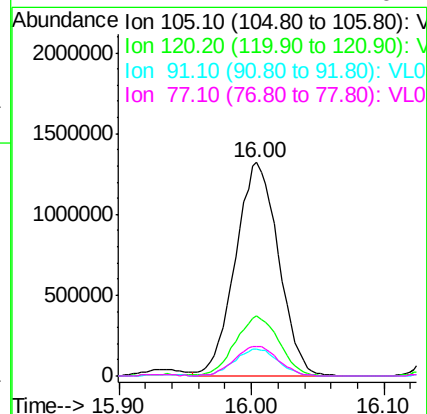
Ion Ratio Lower Upper

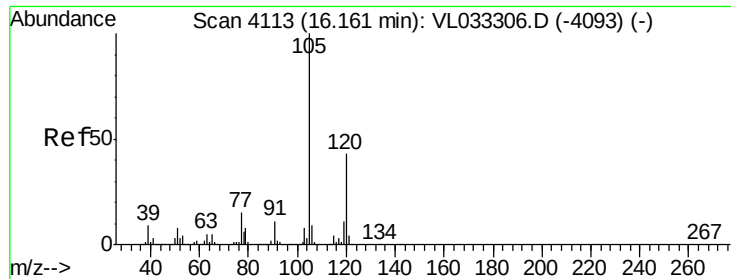
105 100

120 28.4 22.7 34.1

91 13.0 10.3 15.5

77 14.1 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.147 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2861103

Ion Ratio Lower Upper

105 100

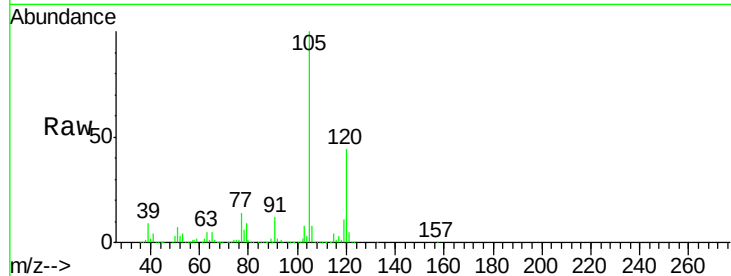
120 44.5 34.6 52.0

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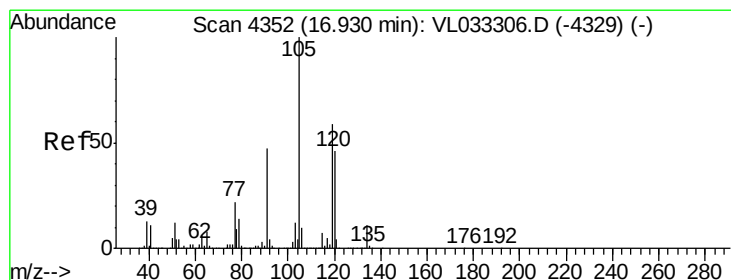
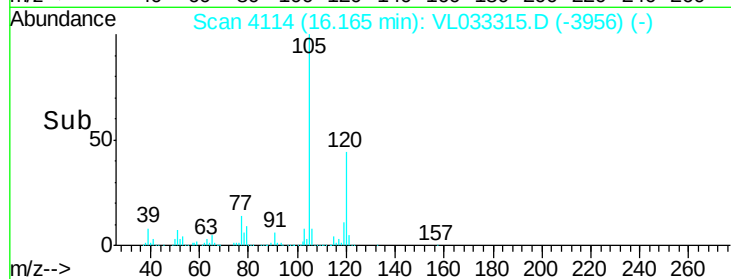
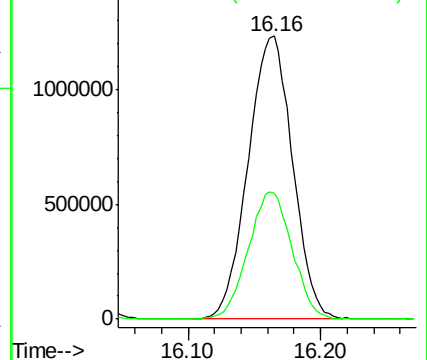
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.088 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL033315.D

Acq: 14 Mar 2019 14:16

Tgt Ion:105 Resp: 2904269

Ion Ratio Lower Upper

105 100

120 44.1 35.2 52.8

91 41.4 34.0 51.0

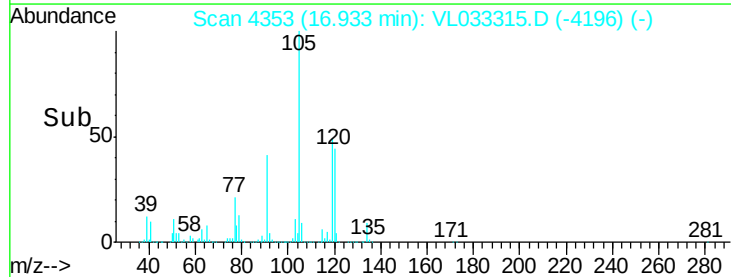
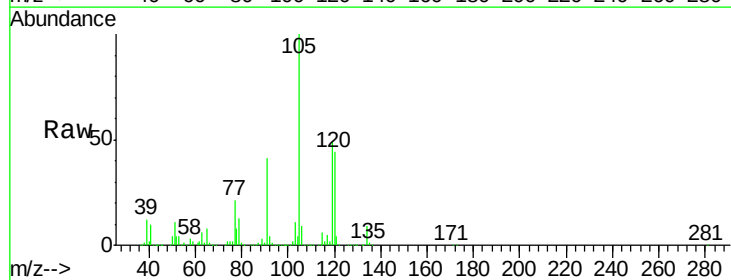
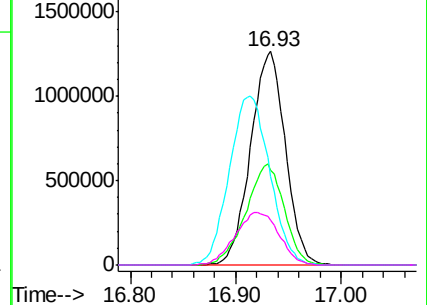
77 20.8 17.4 26.2

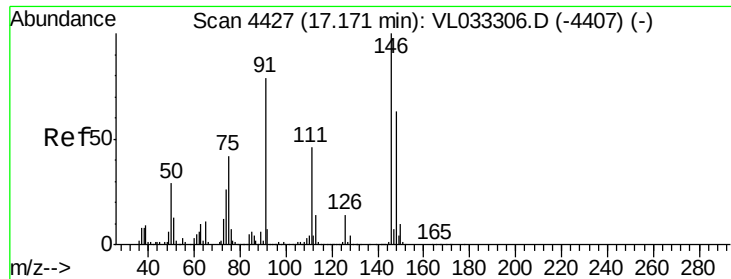
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





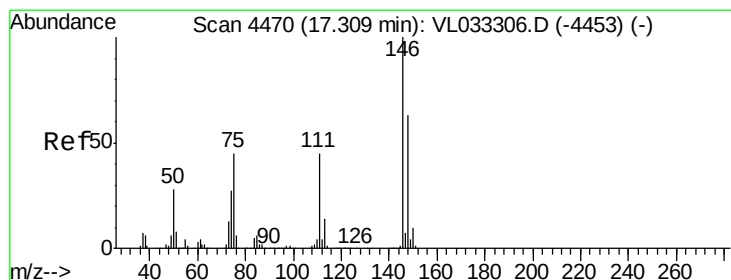
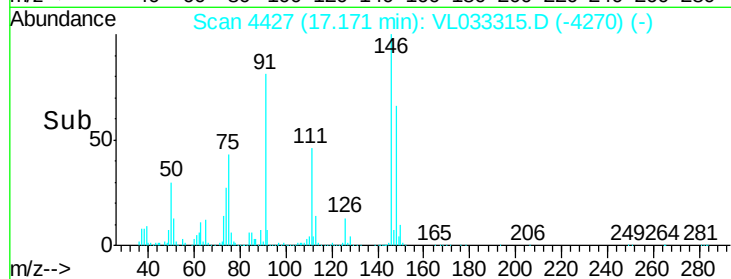
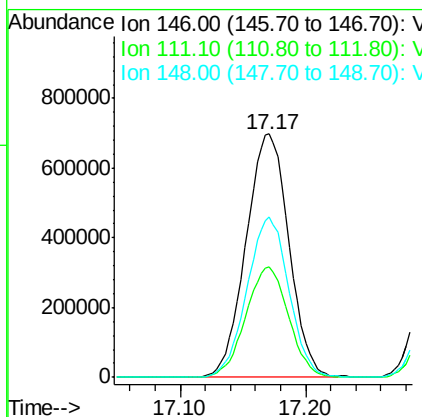
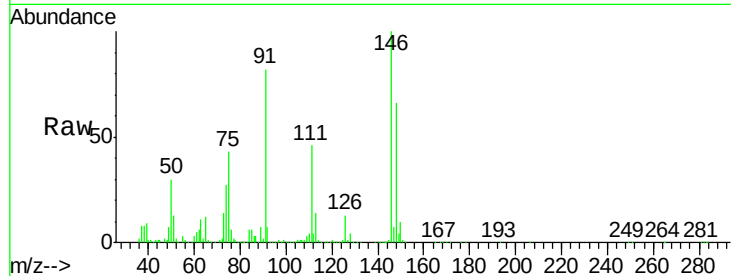
#75
 1,3-Dichlorobenzene
 Concen: 10.099 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1655795
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.9 68.7
 148 64.3 32.4 97.0

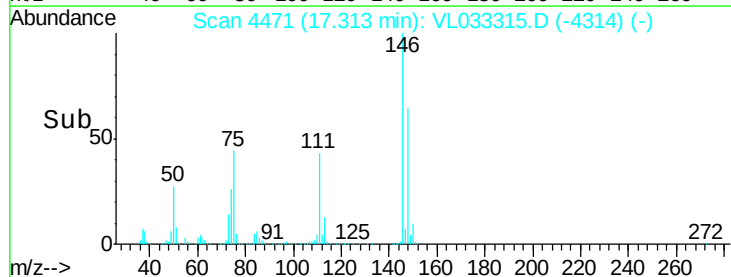
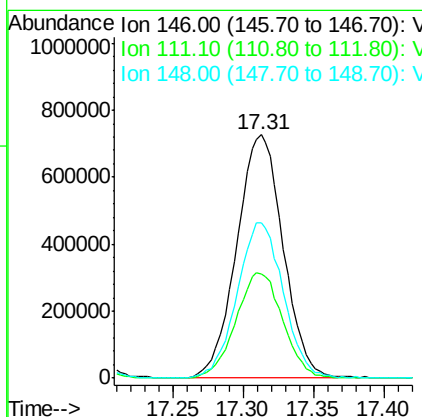
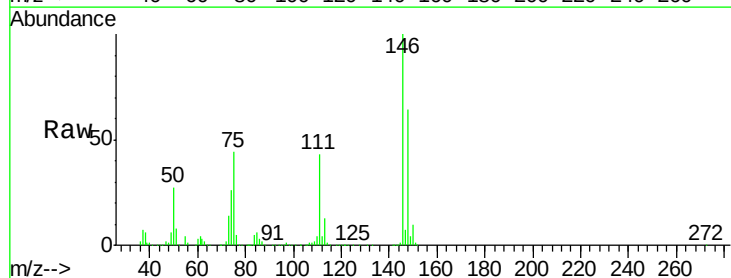
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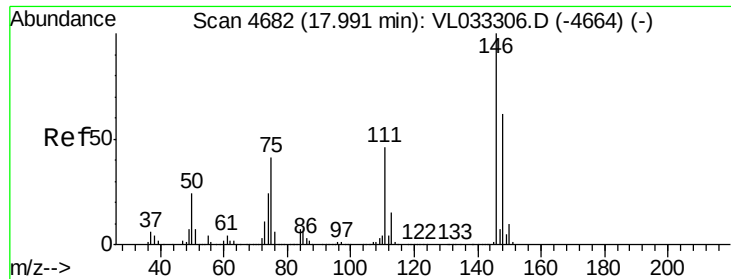
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#76
 1,4-Dichlorobenzene
 Concen: 10.310 ppbv
 RT: 17.31 min Scan# 4471
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion:146 Resp: 1650706
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.9 65.5
 148 64.8 31.8 95.4





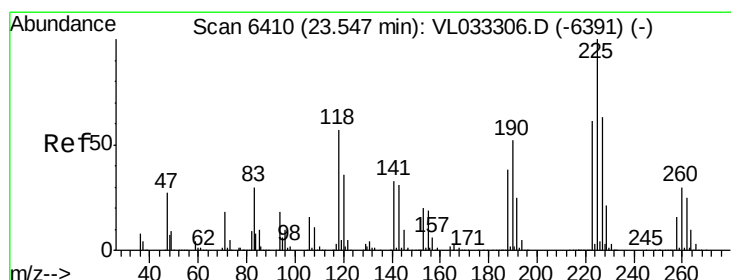
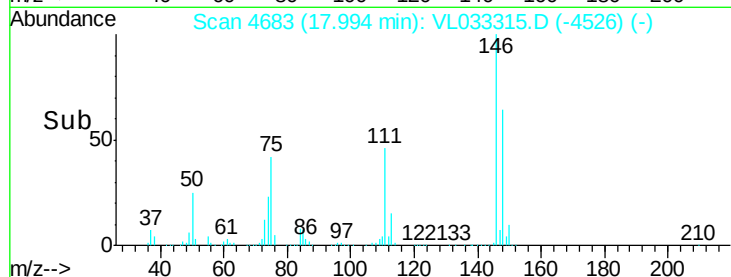
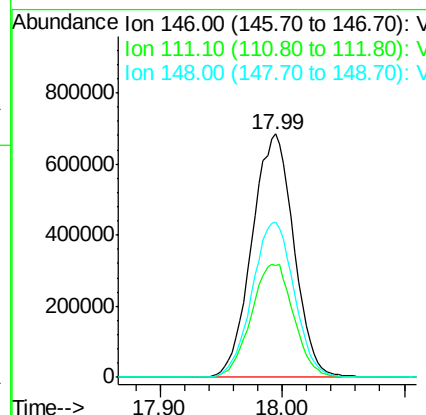
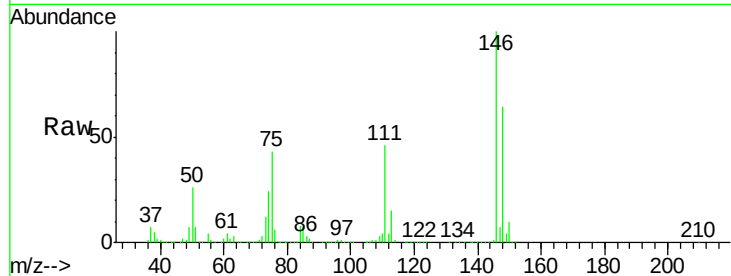
#77
 1,2-Dichlorobenzene
 Concen: 10.163 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1622287
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.2 69.6
 148 64.1 32.0 96.0

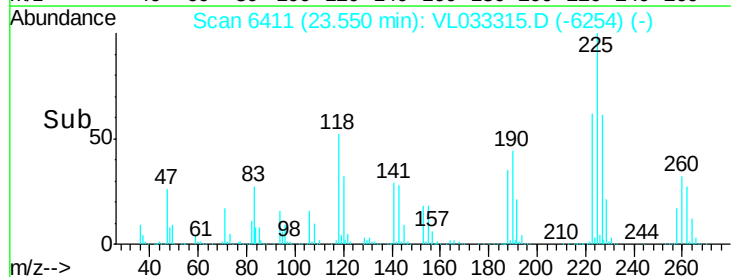
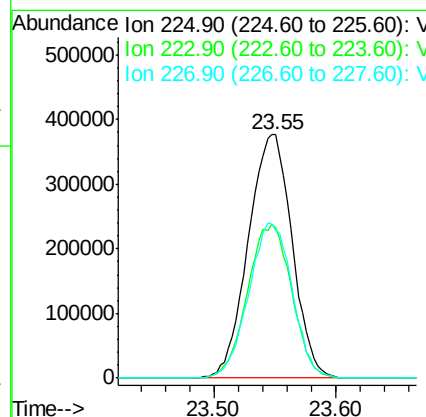
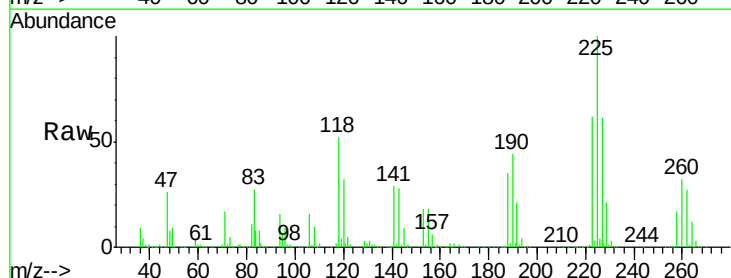
Manual Integrations
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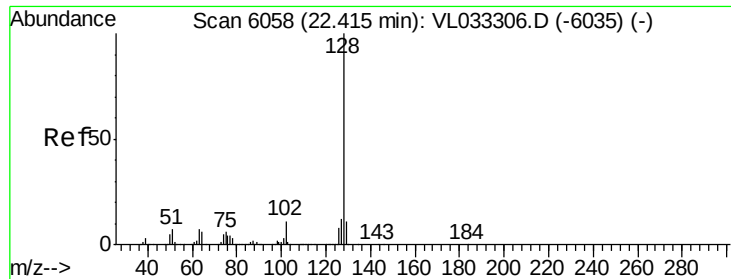
MMDadoda
 3/15/2019 10:42:10 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.949 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Tgt Ion:225 Resp: 935753
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 63.3 51.2 76.8





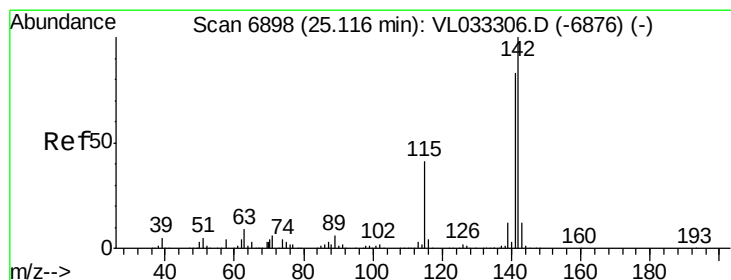
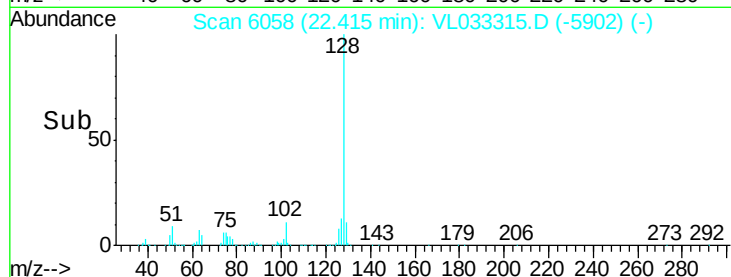
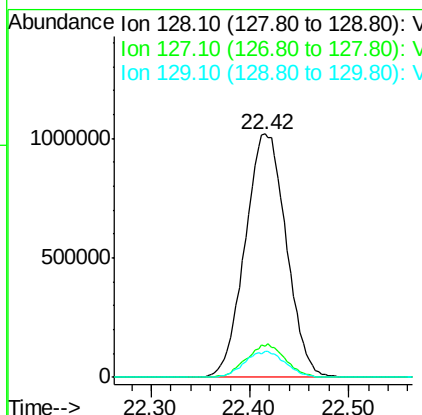
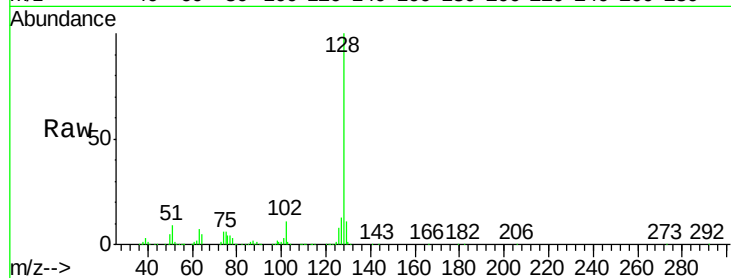
#79
Naphthalene
Concen: 13.674 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	10.5	8.9	13.3

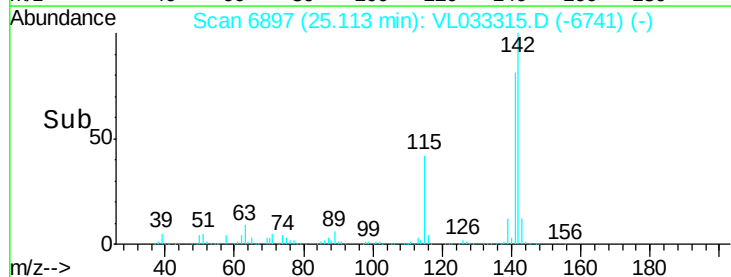
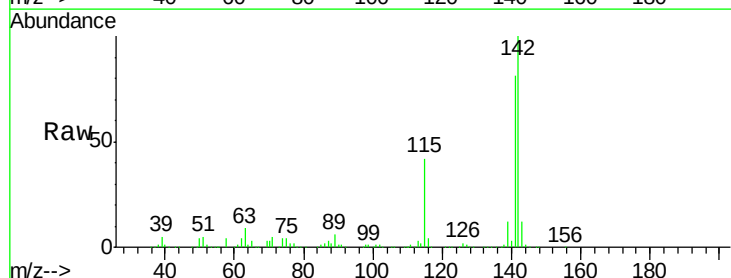
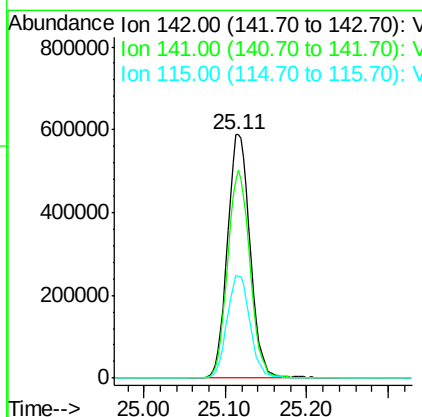
Manual Integrations
APPROVED

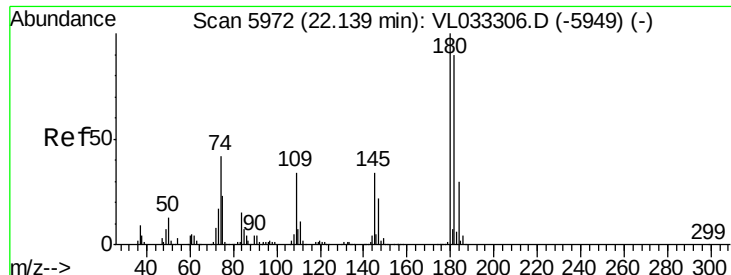
MMDadoda
3/15/2019 10:42:10 PM



#80
Naphthalene, 2-methyl-
Concen: 19.245 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033315.D
Acq: 14 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.2	100.8
115	42.5	33.6	50.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.951 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. -0.00 min
 Lab File: VL033315.D
 Acq: 14 Mar 2019 14:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
184	30.1	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
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