

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
 Data File : VL033297.D
 Acq On : 13 Mar 2019 00:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:38 AM

Quant Time: Mar 13 09:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 09:37:32 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	843296	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1966794	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2159013	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1603188	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.08	85	1265894	7.433	ppbv 100
3) Chlorodifluoromethane	3.01	51	990422	8.854	ppbv 99
4) Chloromethane	3.17	50	529798	8.859	ppbv 98
5) Vinyl Chloride	3.29	62	517334	8.858	ppbv 97
6) Bromomethane	3.51	94	323812	9.076	ppbv 96
7) Chloroethane	3.60	64	198423	9.395	ppbv 95
8) Dichlorotetrafluoroethane	3.22	85	1265125	8.787	ppbv 100
9) Propene	3.03	41	445448	8.735	ppbv 99
10) Heptane	8.25	43	1104344	9.615	ppbv 99
11) Trichlorofluoromethane	4.00	101	1360570	8.071	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	940120	9.744	ppbv 100
13) Ethanol	3.65	45	97727	6.282	ppbv 98
14) Bromoethene	3.79	108	403515	8.968	ppbv 100
15) Acetone	3.90	43	978591	7.565	ppbv 100
16) 1,3-Butadiene	3.36	39	405638	8.684	ppbv 96
17) tert-Butyl alcohol	4.35	59	171418	9.874	ppbv 100
18) 1,1-Dichloroethene	4.35	96	425459	9.962	ppbv 92
19) Isopropyl Alcohol	4.02	45	589966	7.546	ppbv 99
20) Methylene Chloride	4.41	84	363406	8.449	ppbv 96
21) Allyl Chloride	4.48	41	650174	10.110	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	423466	9.298	ppbv 90
23) Vinyl Acetate	5.15	43	1600033	9.872	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1103095	9.384	ppbv 98
25) Ethyl Acetate	5.77	43	1847879	9.270	ppbv 100
26) Hexane	5.78	57	831256	8.884	ppbv 99
27) Carbon Disulfide	4.62	76	1034616	10.422	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1270759	9.570	ppbv 100
29) Chloroform	5.85	83	1375389	9.662	ppbv 99
30) Cyclohexane	7.25	84	697989	9.622	ppbv 99
31) cis-1,2-Dichloroethene	5.64	61	864244	9.636	ppbv 99
32) 1,1,1-Trichloroethane	6.62	97	1315950	9.488	ppbv 100
34) 2-Butanone	5.33	43	1271062	9.773	ppbv 99
35) Carbon Tetrachloride	7.13	117	1400543	9.746	ppbv 98
36) Benzene	7.00	78	1758148	9.693	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1036380	9.526	ppbv 100
38) Trichloroethene	7.96	130	663445	9.383	ppbv 99
39) 1,2-Dichloropropane	7.73	63	666917	9.770	ppbv 99
40) 1,4-Dioxane	7.95	88	235167	9.154	ppbv 95
41) Tetrahydrofuran	6.15	42	699128	9.682	ppbv 100
42) Bromodichloromethane	7.92	83	1510084	10.083	ppbv 99
43) Methyl Methacrylate	8.13	69	714864	10.111	ppbv 99

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 ClientSampleId :
 VSTDCCC010EC

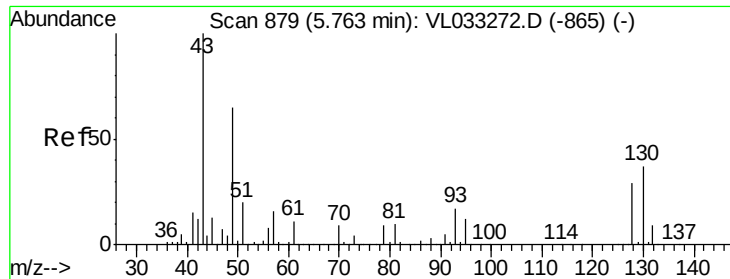
Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:38 AM

Quant Time: Mar 13 09:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 14 09:37:32 2019
 QLast Update : Wed Mar 13 07:17:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2917638	9.469	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	960480	11.051	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	1104369	10.840	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	733249	10.060	ppbv	98
48) Dibromochloromethane	10.45	129	1253396	10.488	ppbv	100
49) Bromoform	13.20	173	1083880	11.189	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1848645	9.960	ppbv	99
51) 2-Hexanone	10.27	43	1415204	9.988	ppbv #	100
52) Tetrachloroethene	11.37	164	638587	9.604	ppbv	98
53) Toluene	9.95	91	2063439	9.869	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1134243	10.124	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	864388	9.419	ppbv #	60
57) Chlorobenzene	12.30	112	1487026	9.133	ppbv	99
58) Ethyl Benzene	12.87	91	2807344	9.462	ppbv	97
59) m/p-Xylene	13.15	91	4714814m	19.002	ppbv	
60) o-Xylene	13.85	91	2322791	9.738	ppbv	100
61) Styrene	13.69	104	1714329	10.091	ppbv	100
62) Isopropylbenzene	14.83	105	3248872	9.775	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1568842	9.811	ppbv	99
64) n-propylbenzene	15.72	120	822821	10.061	ppbv	97
65) tert-Butylbenzene	16.91	119	2809923	10.016	ppbv	100
66) Benzyl Chloride	17.16	91	1388460	12.777	ppbv	99
67) sec-Butylbenzene	17.46	105	4032329	10.098	ppbv	100
69) p-Isopropyltoluene	17.82	119	3269982	10.137	ppbv	100
70) n-Butylbenzene	18.72	91	3451033	9.963	ppbv	100
71) 2-Chlorotoluene	15.62	91	2524856	10.078	ppbv	100
72) 4-Ethyltoluene	16.00	105	2667896	10.354	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2543049	10.474	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2571850	10.401	ppbv	99
75) 1,3-Dichlorobenzene	17.17	146	1475746	9.958	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1488868	10.159	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1422988	9.645	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1148094	9.341	ppbv	99
79) Naphthalene	22.42	128	2801931	10.467	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1624987	22.156	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1341897	9.522	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033297.D

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 843296
Ion Ratio Lower Upper

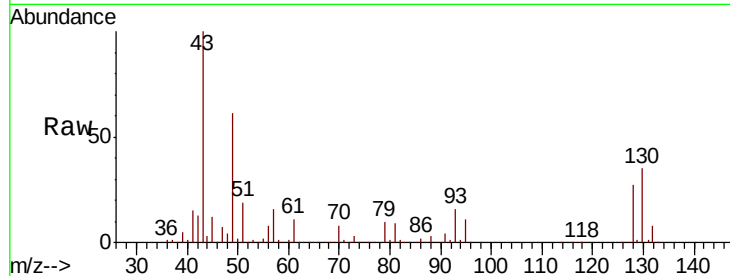
49 100

128 47.2 23.3 69.9

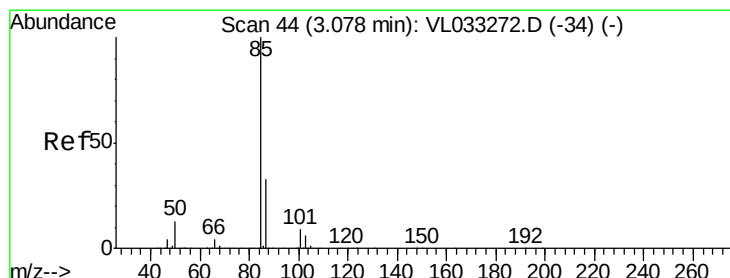
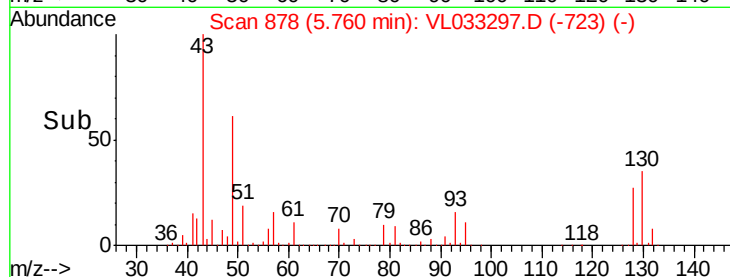
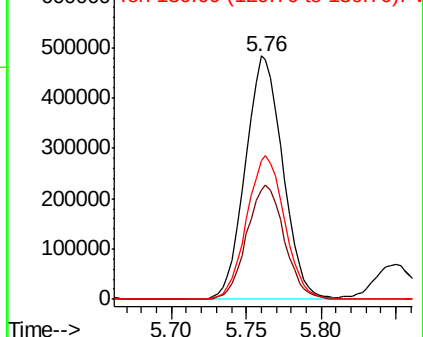
130 59.8 30.0 90.1

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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.433 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.00 min

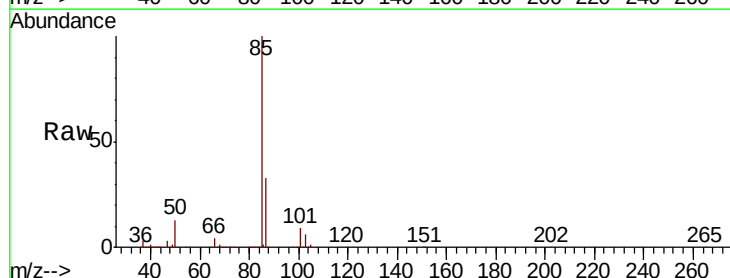
Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

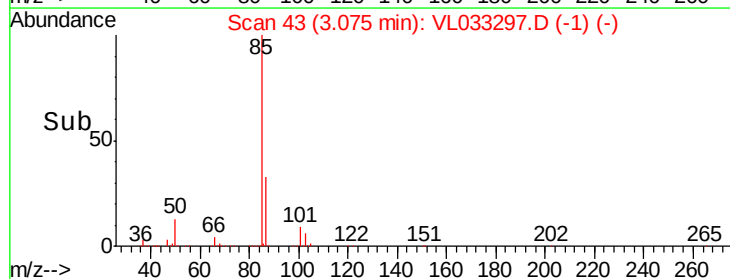
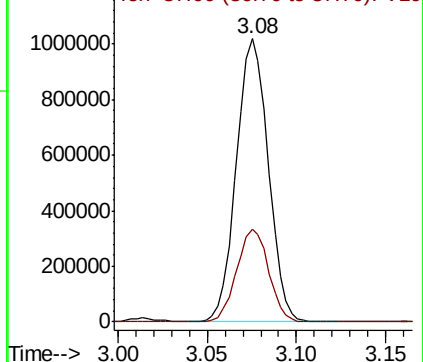
Tgt Ion: 85 Resp: 1265894
Ion Ratio Lower Upper

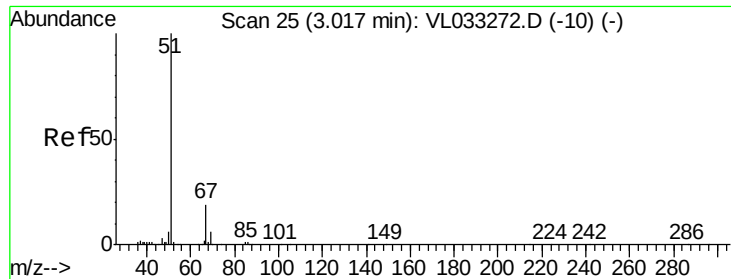
85 100

87 32.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





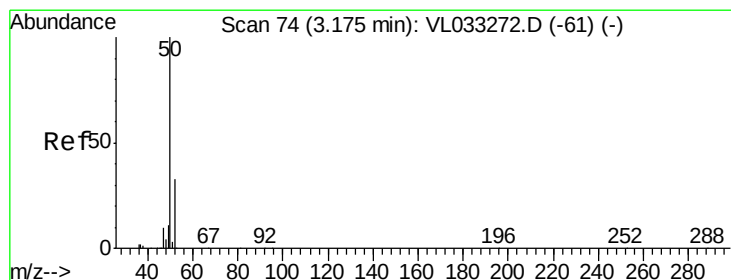
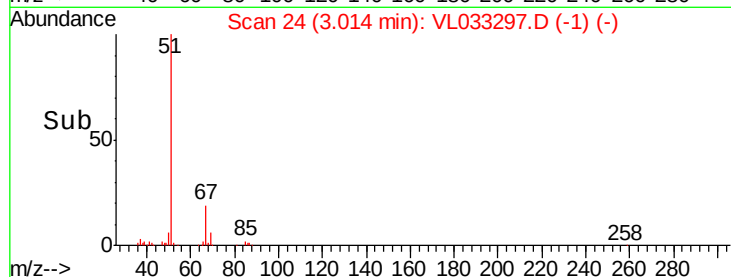
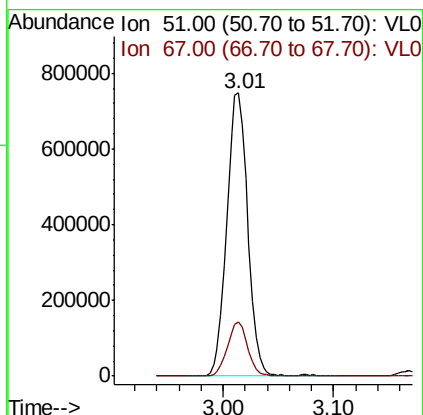
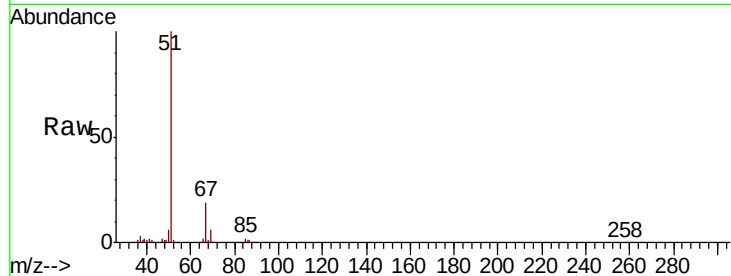
#3
Chlorodifluoromethane
Concen: 8.854 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.0	22.4

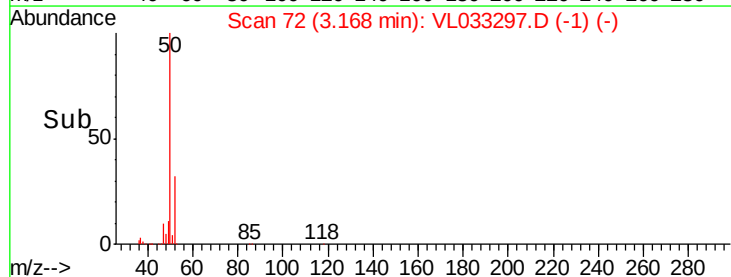
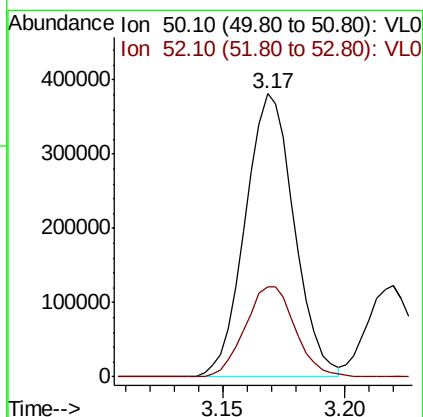
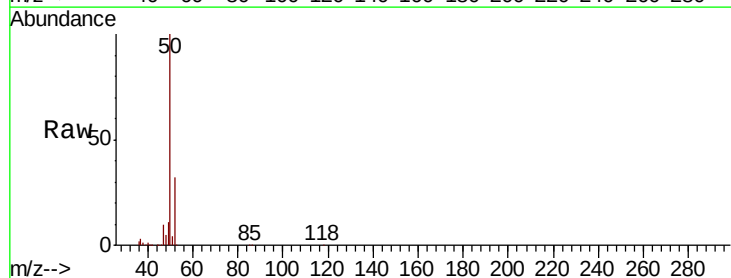
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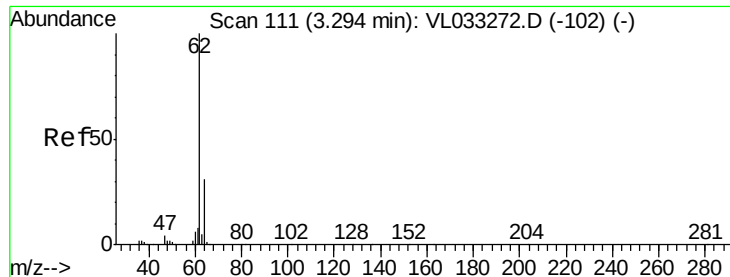
MMDadoda
3/14/2019 5:06:38 AM



#4
Chloromethane
Concen: 8.859 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.6	39.8





#5

Vinyl Chloride

Concen: 8.858 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 517334

Ion Ratio Lower Upper

62 100

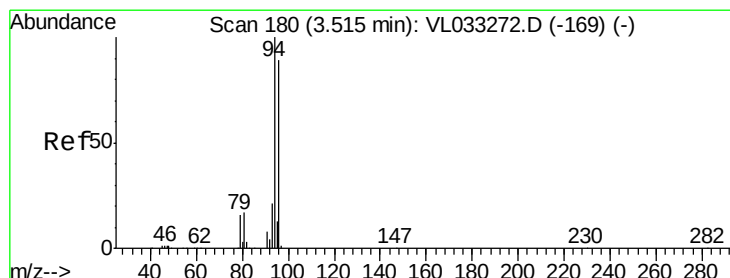
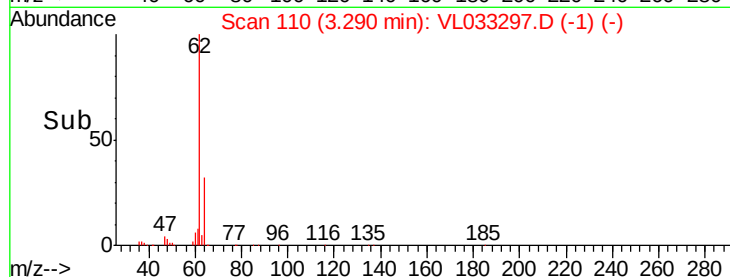
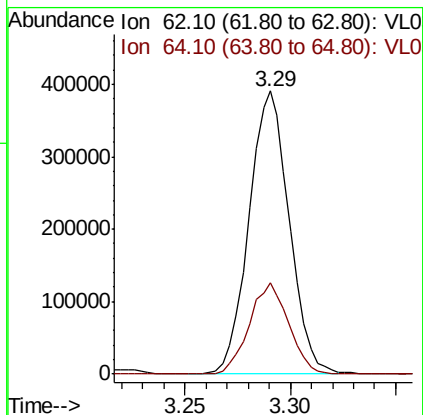
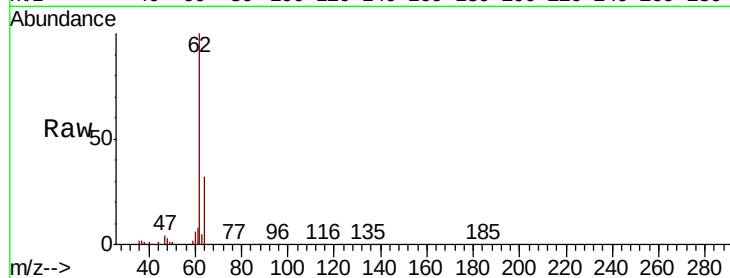
64 32.1 24.5 36.7

Manual Integrations

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#6

Bromomethane

Concen: 9.076 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033297.D

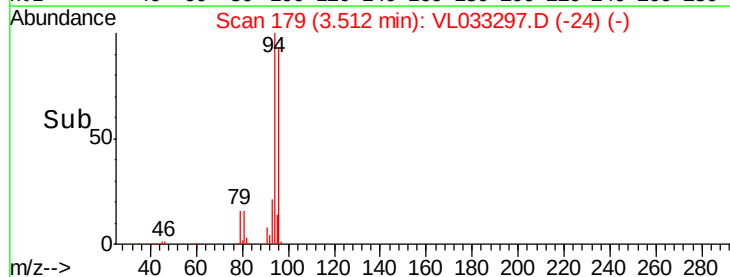
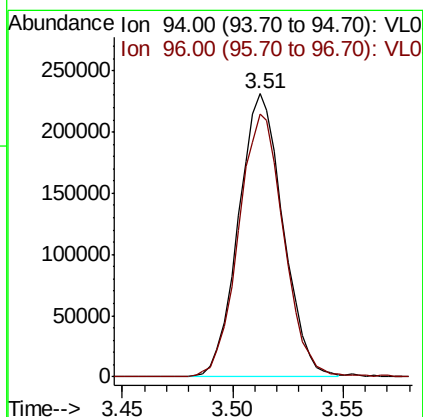
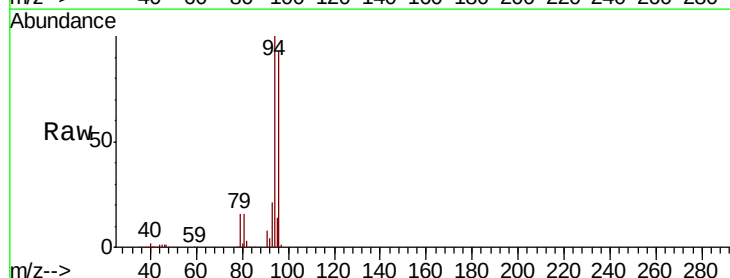
Acq: 13 Mar 2019 00:14

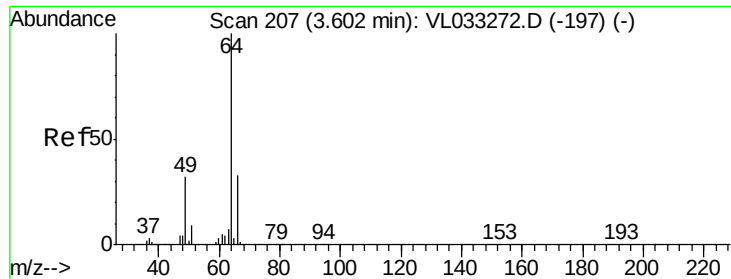
Tgt Ion: 94 Resp: 323812

Ion Ratio Lower Upper

94 100

96 92.6 71.3 106.9





#7

Chloroethane

Concen: 9.395 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 198423

Ion Ratio Lower Upper

64 100

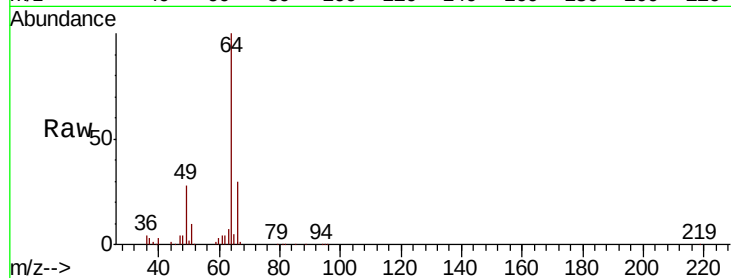
66 30.1 26.2 39.2

Manual Integrations

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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

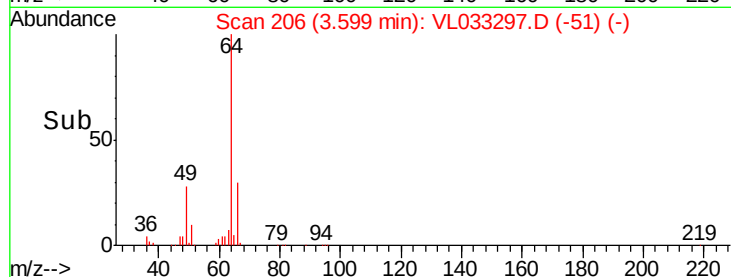
50000

0

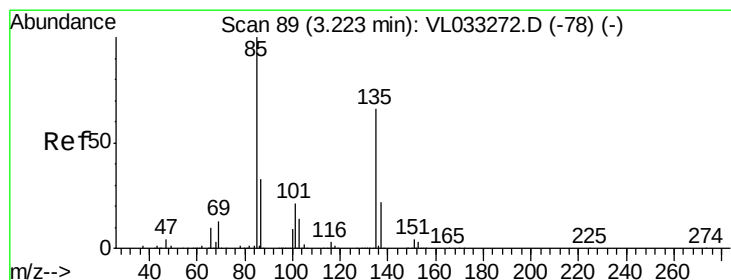
3.55

3.60

3.65



Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.787 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033297.D

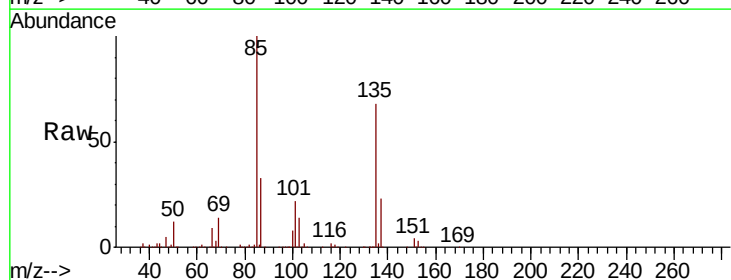
Acq: 13 Mar 2019 00:14

Tgt Ion: 85 Resp: 1265125

Ion Ratio Lower Upper

85 100

135 67.1 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

400000

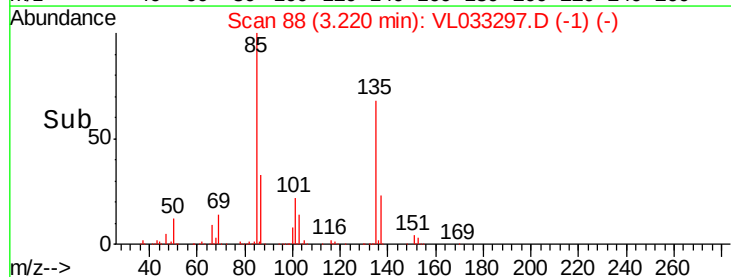
200000

0

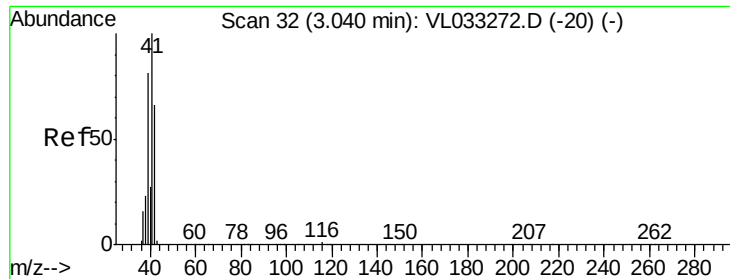
3.15

3.20

3.25



Time-->



#9

Propene

Concen: 8.735 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 445448

Ion Ratio Lower Upper

41 100

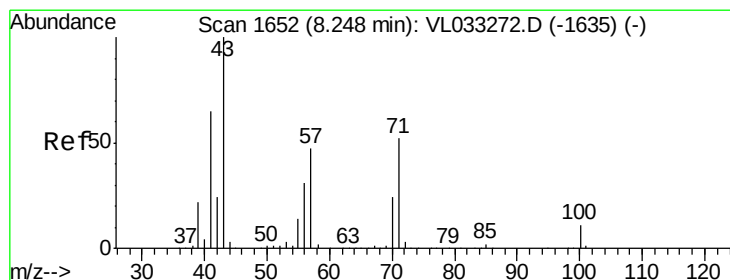
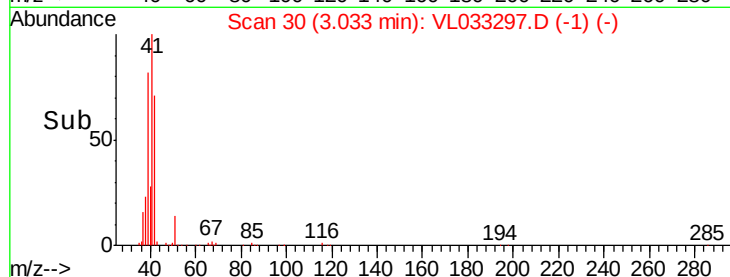
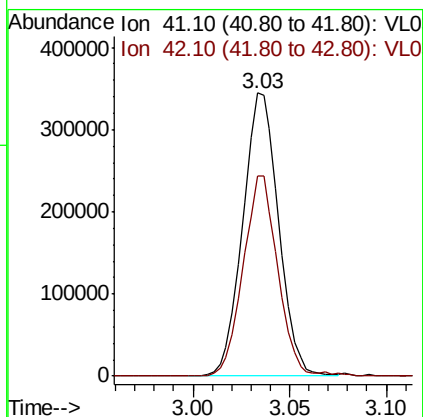
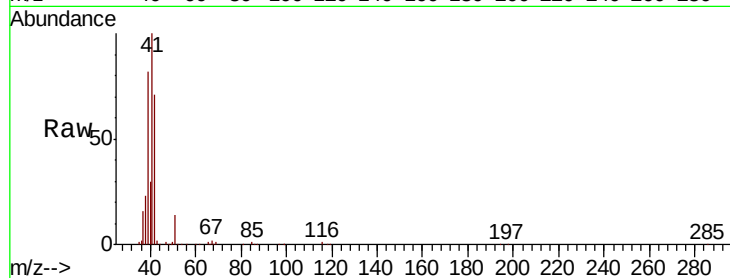
42 69.0 54.6 82.0

Manual Integrations

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3/14/2019 5:06:38 AM



#10

Heptane

Concen: 9.615 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033297.D

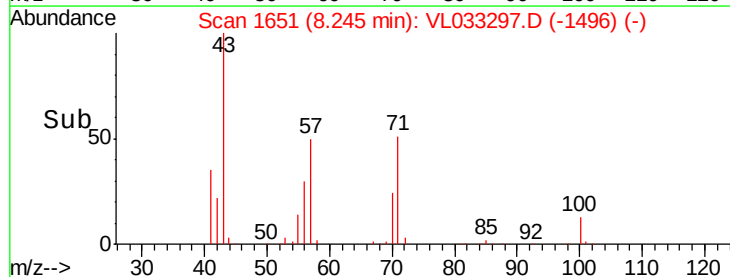
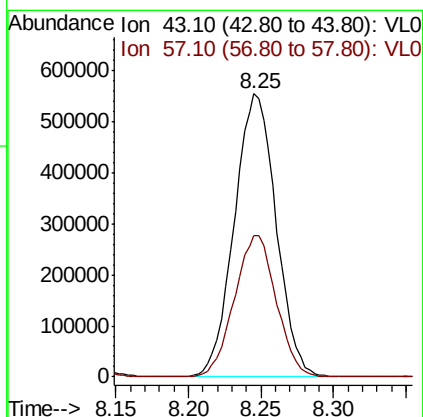
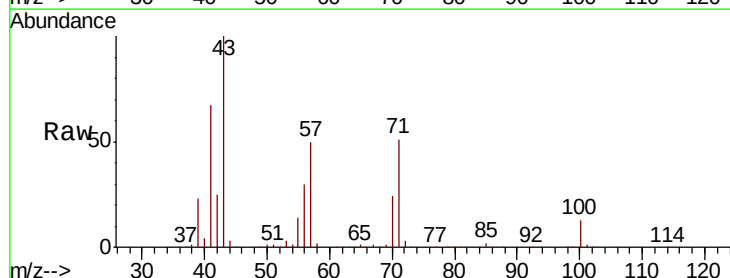
Acq: 13 Mar 2019 00:14

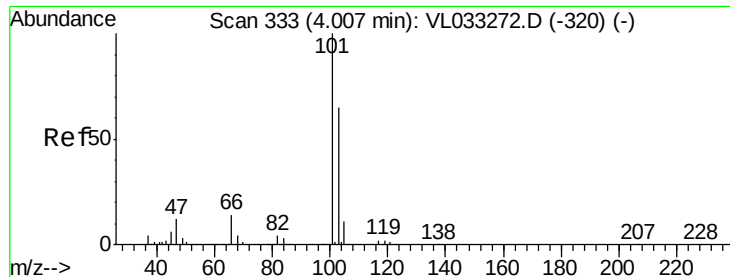
Tgt Ion: 43 Resp: 1104344

Ion Ratio Lower Upper

43 100

57 50.2 39.8 59.8





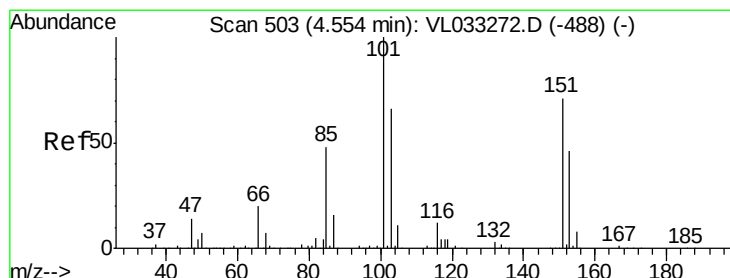
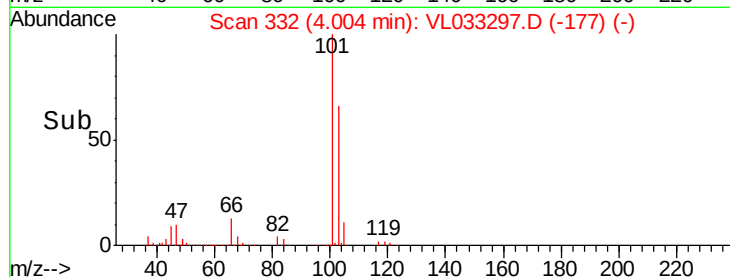
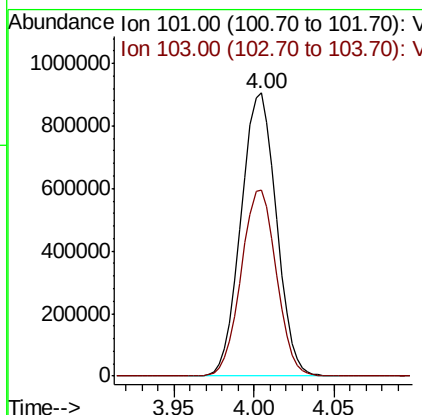
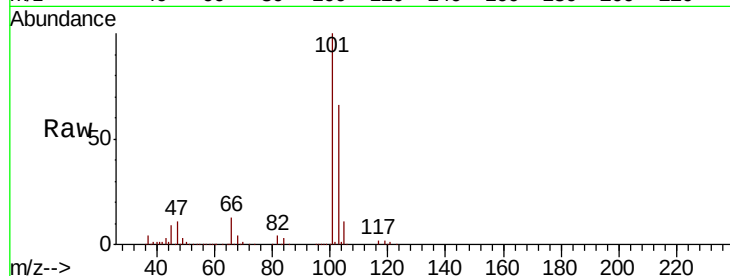
#11
 Trichlorofluoromethane
 Concen: 8.071 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1360570
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8

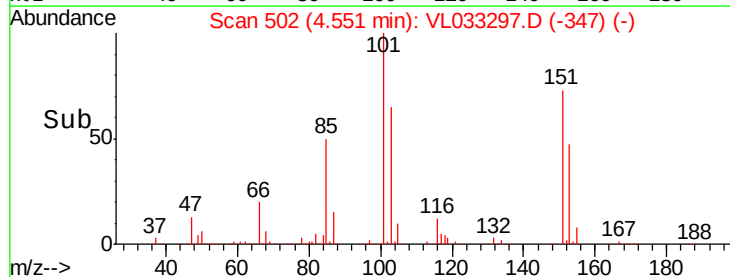
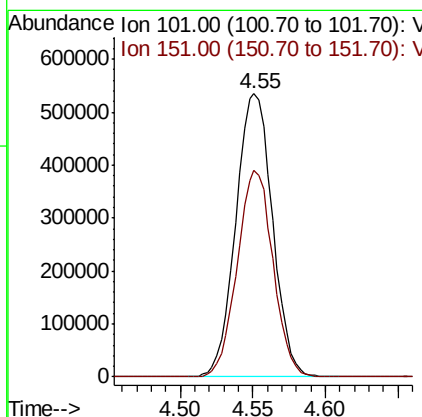
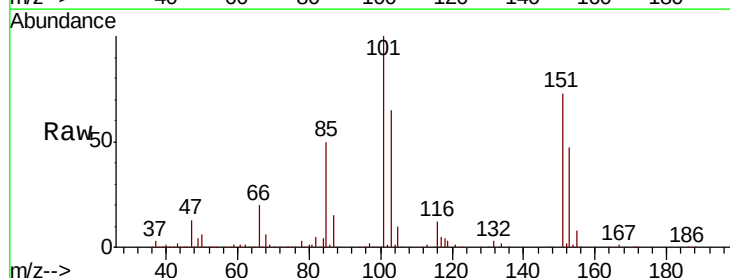
Manual Integrations
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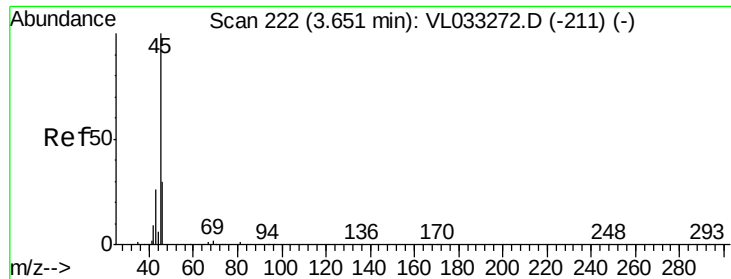
MMDadoda
 3/14/2019 5:06:38 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.744 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion:101 Resp: 940120
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.9 85.3





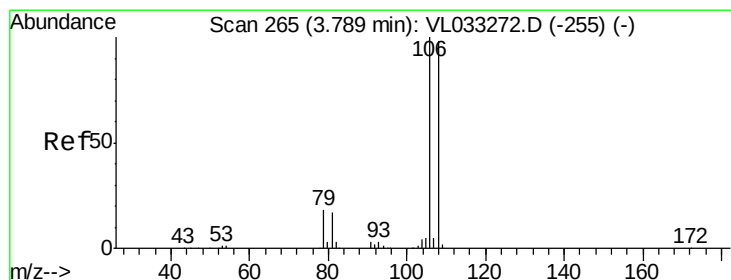
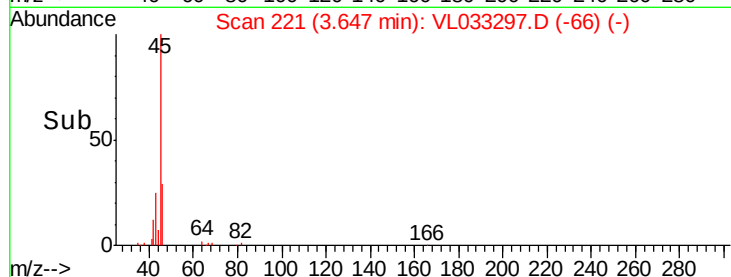
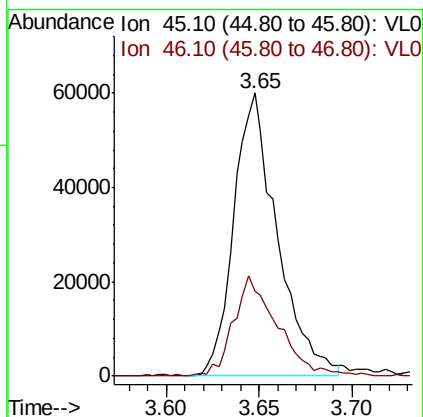
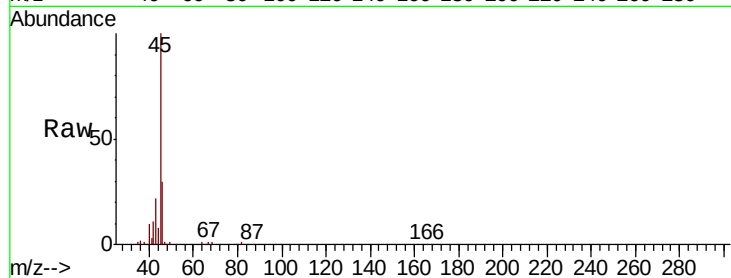
#13
Ethanol
Concen: 6.282 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 97727
Ion Ratio Lower Upper
45 100
46 35.9 13.9 55.7

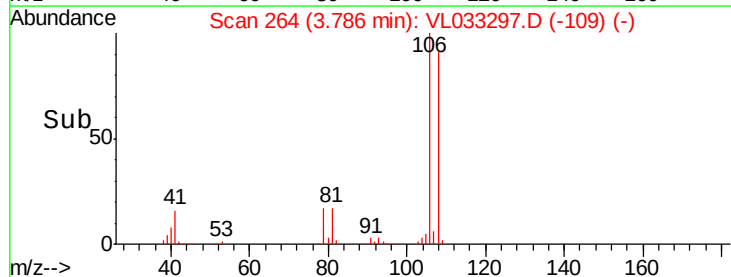
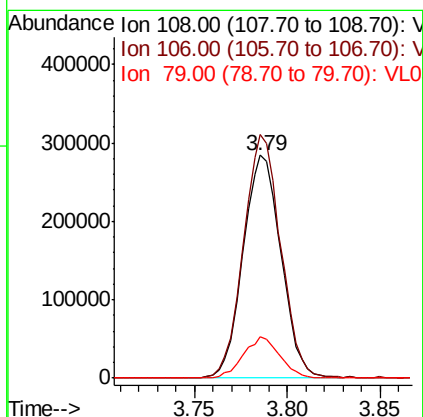
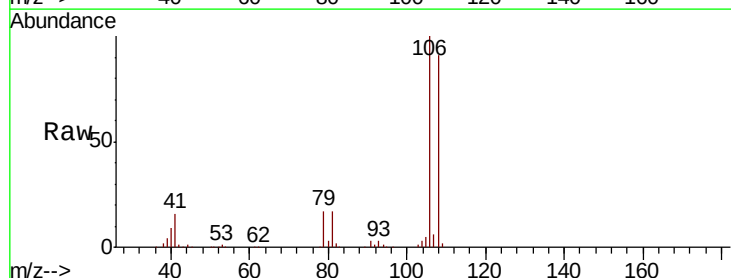
Manual Integrations
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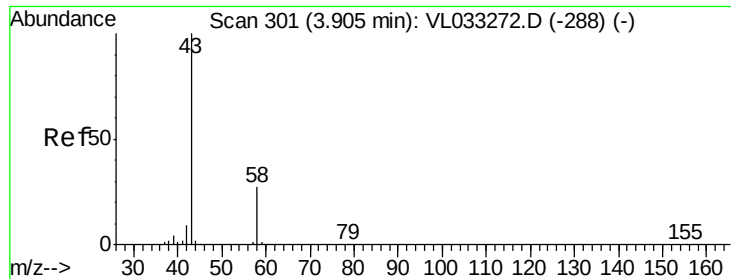
MMDadoda
3/14/2019 5:06:38 AM



#14
Bromoethene
Concen: 8.968 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 108 Resp: 403515
Ion Ratio Lower Upper
108 100
106 107.6 85.9 128.9
79 18.0 14.9 22.3





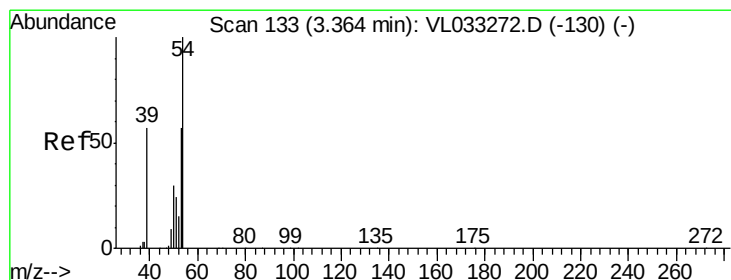
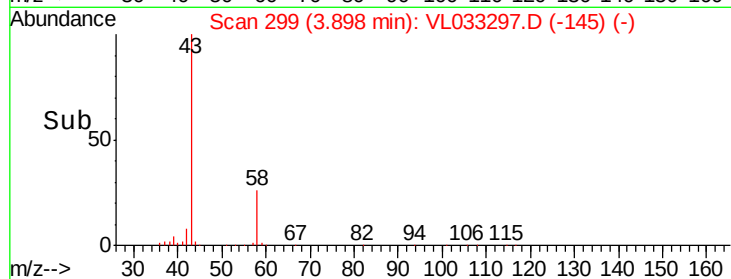
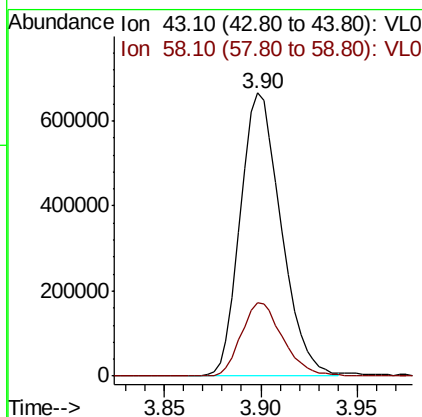
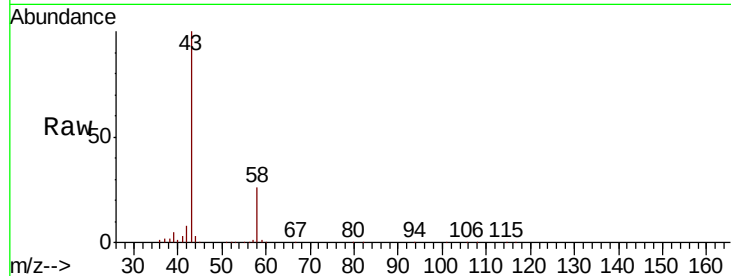
#15
Acetone
Concen: 7.565 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 978591
Ion Ratio Lower Upper
43 100
58 26.6 21.1 31.7

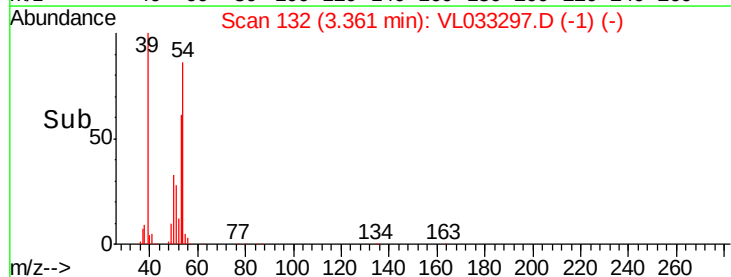
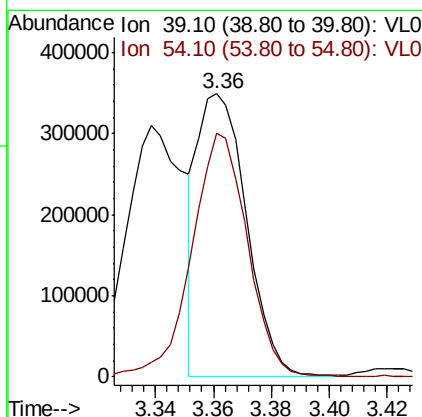
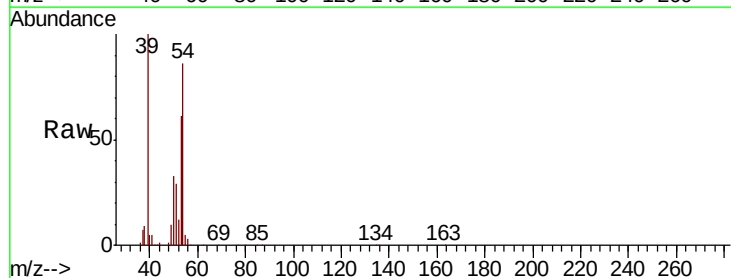
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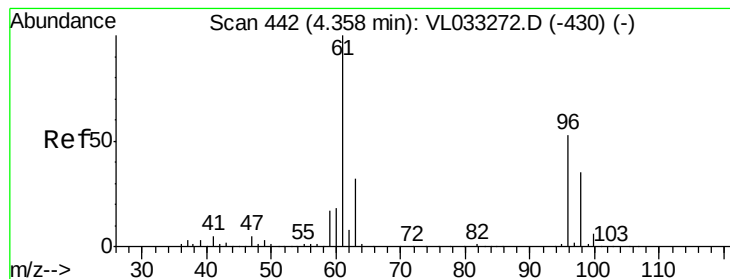
MMDadoda
3/14/2019 5:06:38 AM



#16
1,3-Butadiene
Concen: 8.684 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 39 Resp: 405638
Ion Ratio Lower Upper
39 100
54 99.7 76.6 114.8





#17

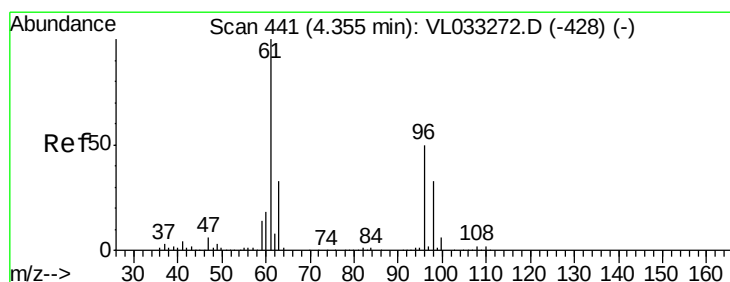
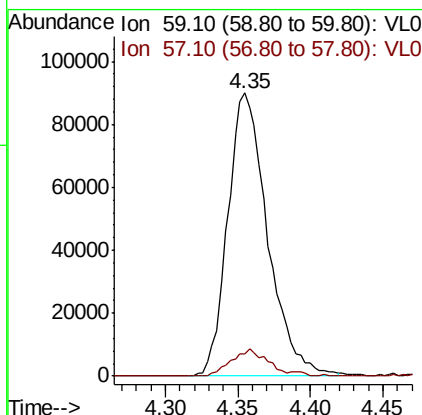
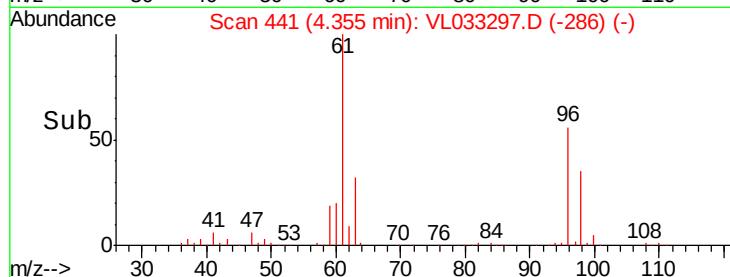
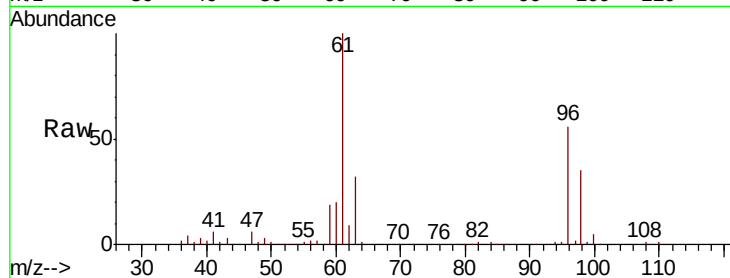
tert-Butyl alcohol
Concen: 9.874 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 171418
Ion Ratio Lower Upper
59 100
57 9.3 7.5 11.3

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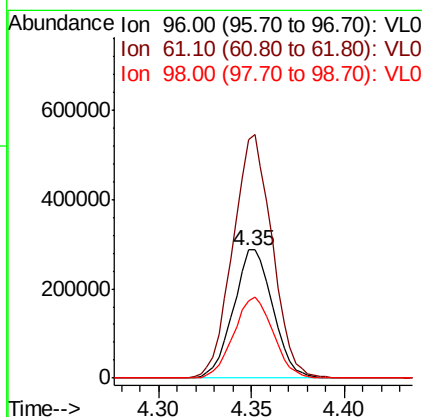
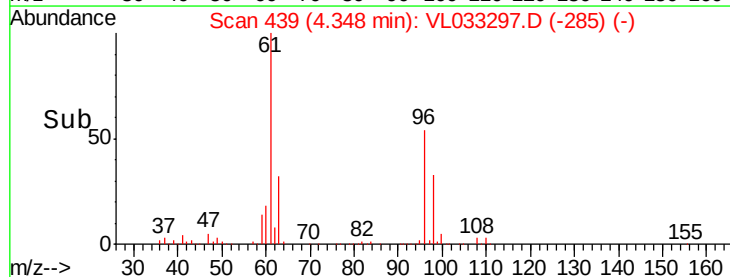
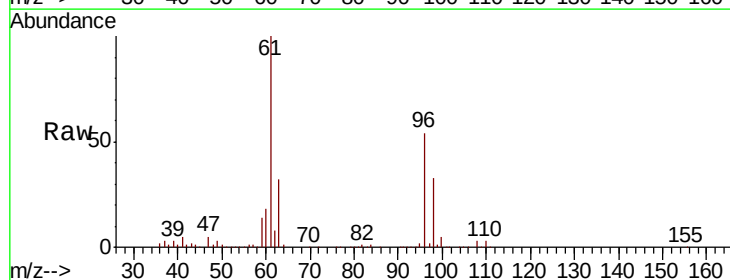
MMDadoda
3/14/2019 5:06:38 AM

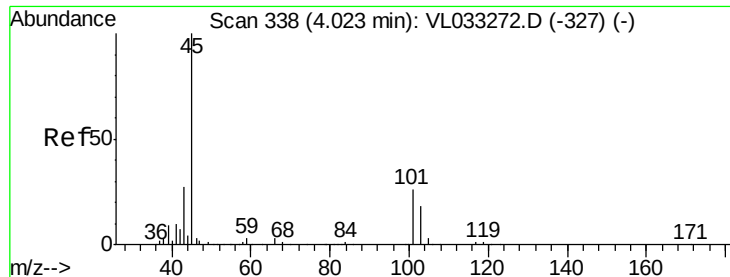


#18

1,1-Dichloroethene
Concen: 9.962 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 96 Resp: 425459
Ion Ratio Lower Upper
96 100
61 185.1 158.9 238.3
98 60.6 52.4 78.6





#19

Isopropyl Alcohol

Concen: 7.546 ppbv

RT: 4.02 min Scan# 337

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 589966

Ion Ratio Lower Upper

45 100

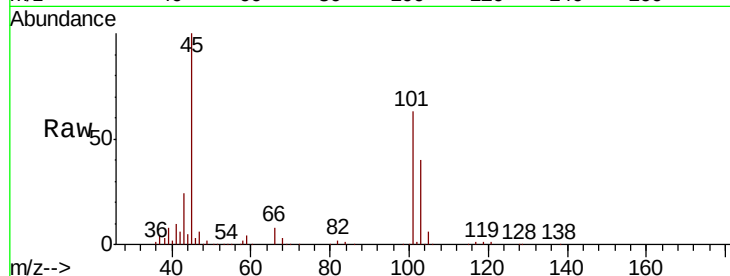
58 2.1 1.4 2.2

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.02

300000

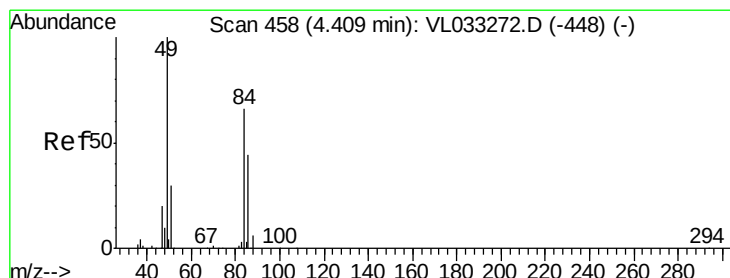
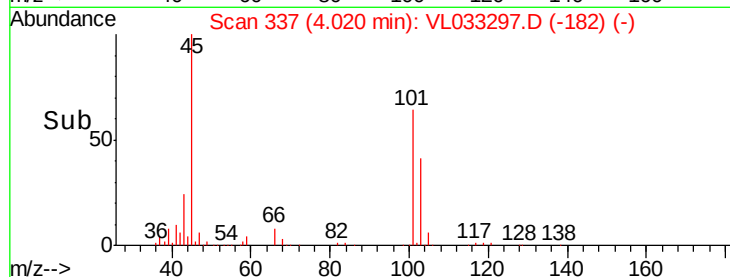
200000

100000

0

Time-->

3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 8.449 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Tgt Ion: 84 Resp: 363406

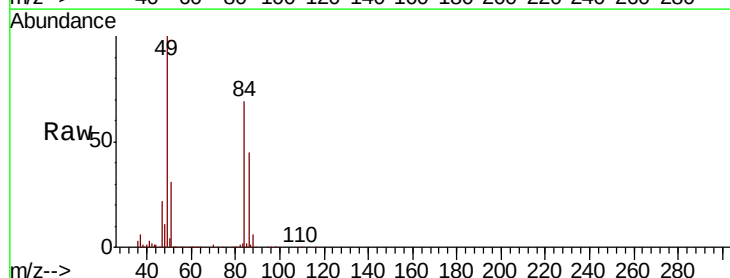
Ion Ratio Lower Upper

84 100

49 143.4 120.3 180.5

51 44.0 36.2 54.4

86 64.4 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

300000

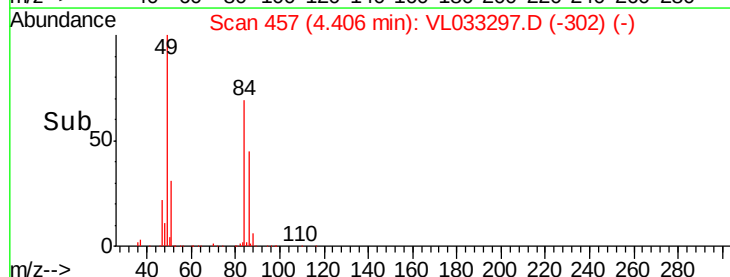
200000

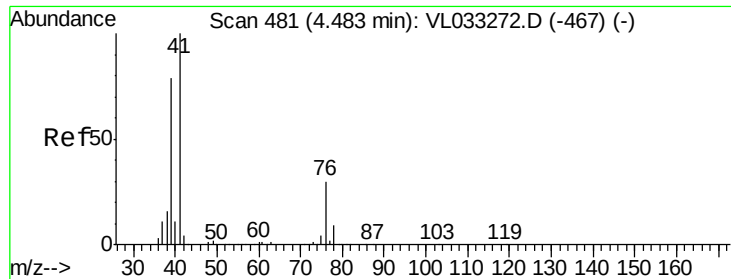
100000

0

Time-->

4.35 4.40 4.45





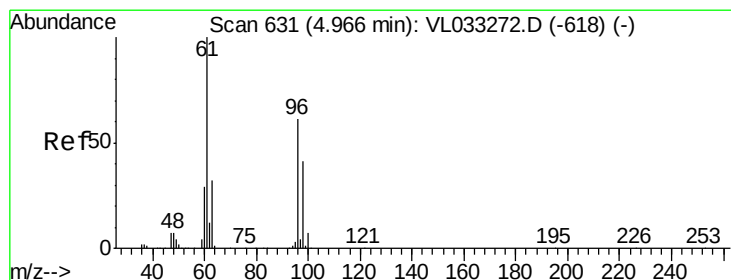
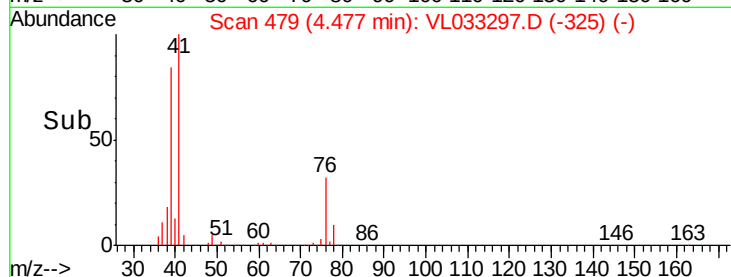
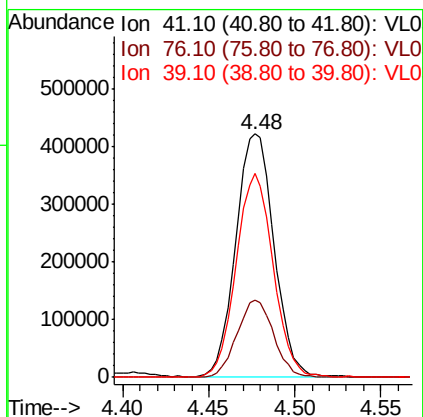
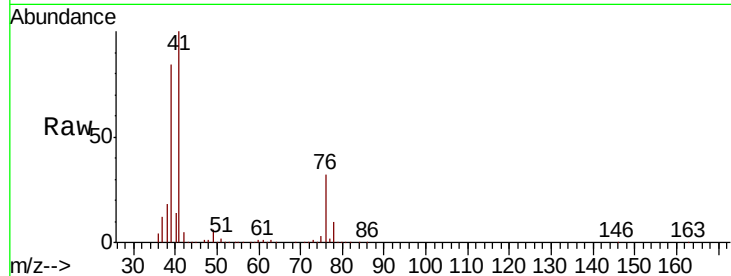
#21
 Allyl Chloride
 Concen: 10.110 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.7	25.0	37.4
39	81.7	64.2	96.4

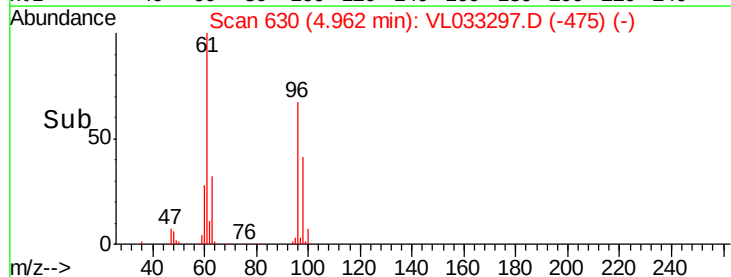
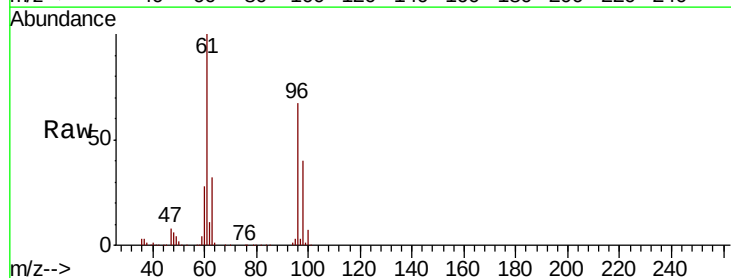
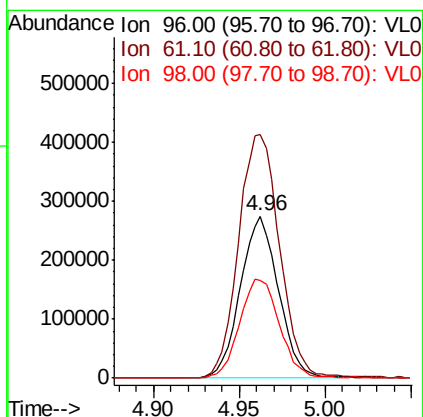
Manual Integrations
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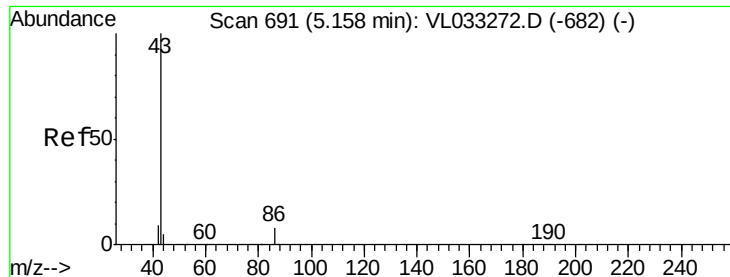
MMDadoda
 3/14/2019 5:06:38 AM



#22
 trans-1,2-Dichloroethene
 Concen: 9.298 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.6	197.4
98	60.5	54.1	81.1





#23

Vinyl Acetate

Concen: 9.872 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1600033

Ion Ratio Lower Upper

43 100

86 7.2 5.5 8.3

42 9.5 7.8 11.6

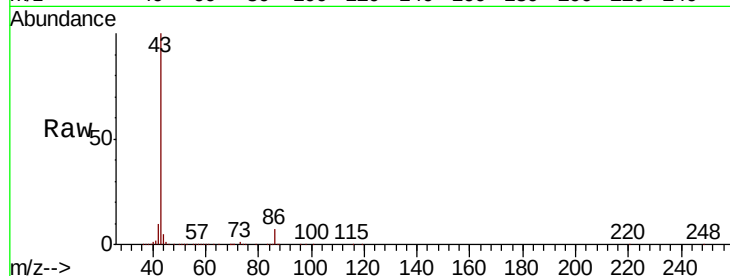
44 5.1 3.6 5.4

Manual Integrations

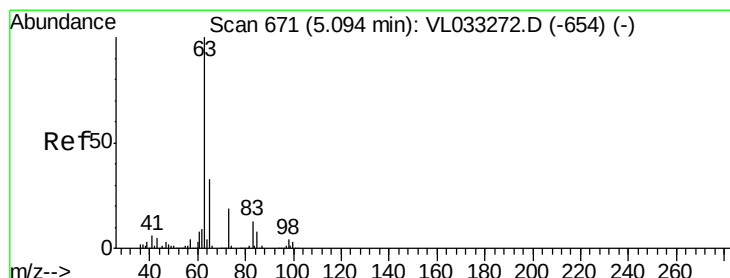
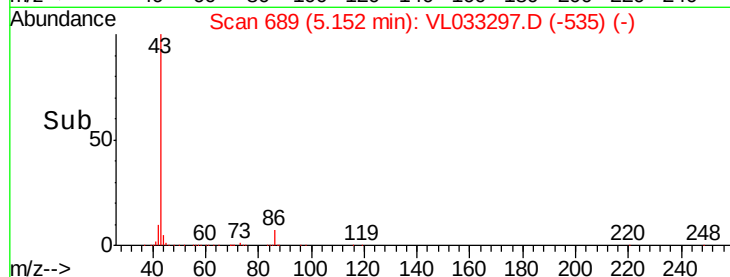
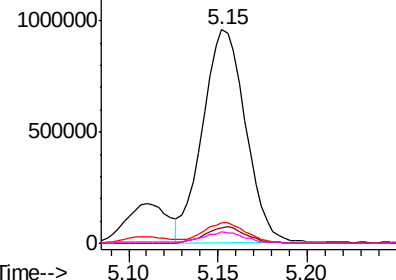
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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.384 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

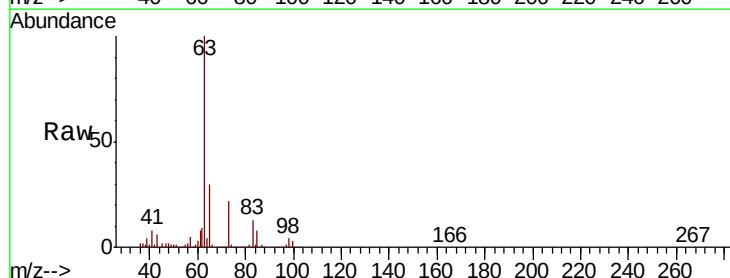
Tgt Ion: 63 Resp: 1103095

Ion Ratio Lower Upper

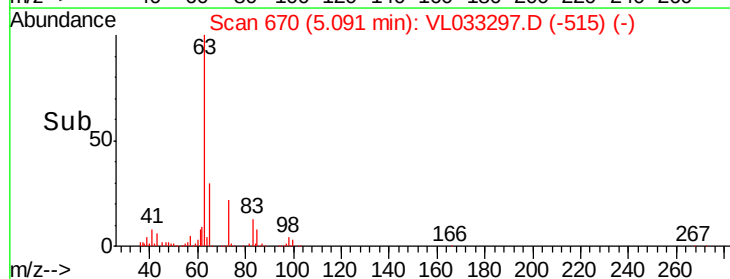
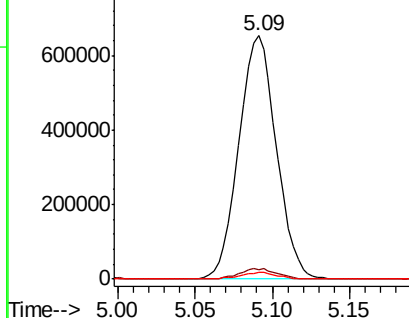
63 100

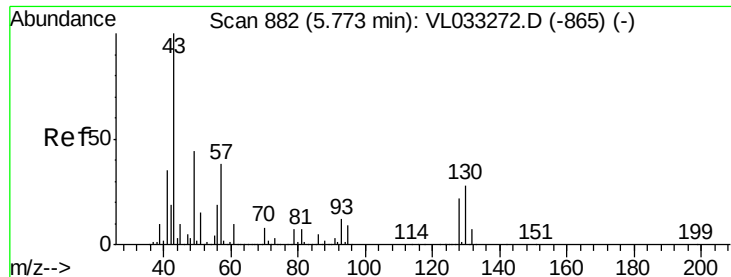
98 3.7 2.2 6.6

100 2.6 1.5 4.4



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





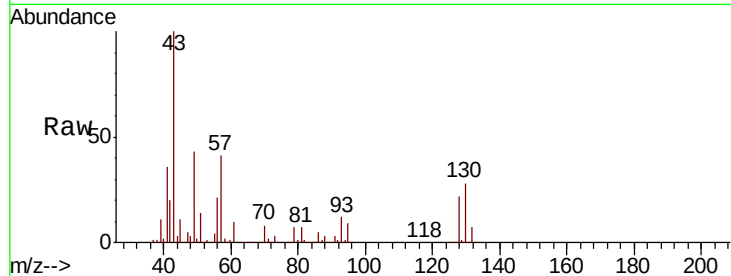
#25
Ethyl Acetate
Concen: 9.270 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

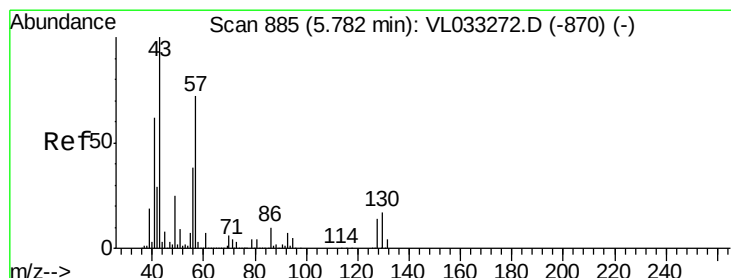
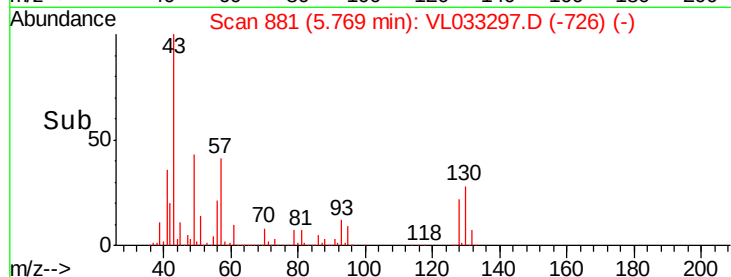
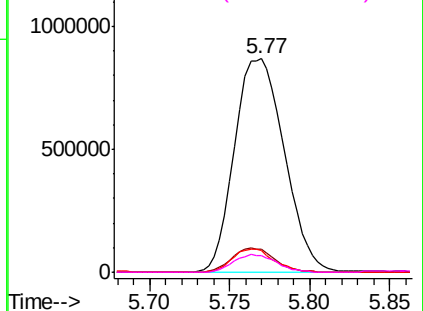
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.0	7.3	10.9
70	7.1	5.8	8.6

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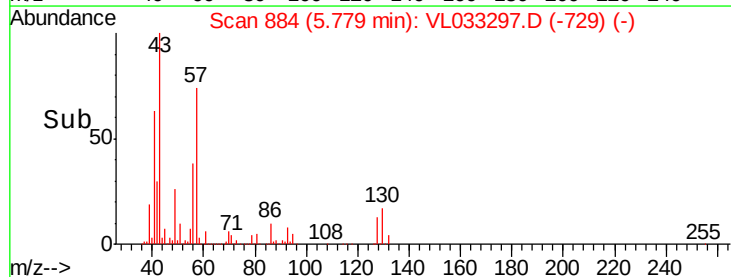
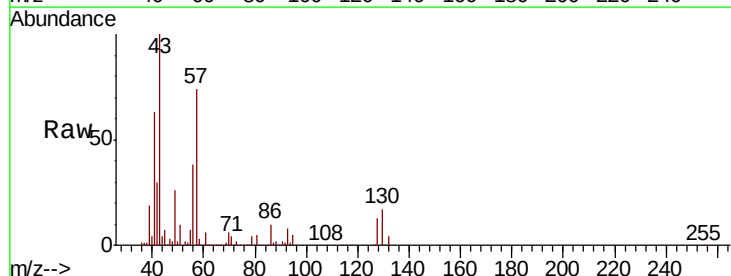
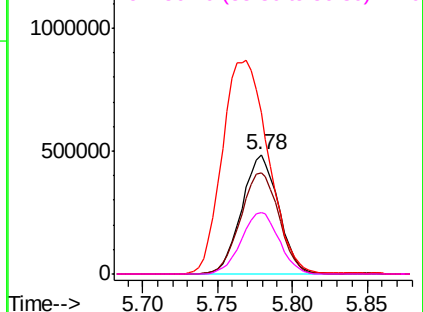
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

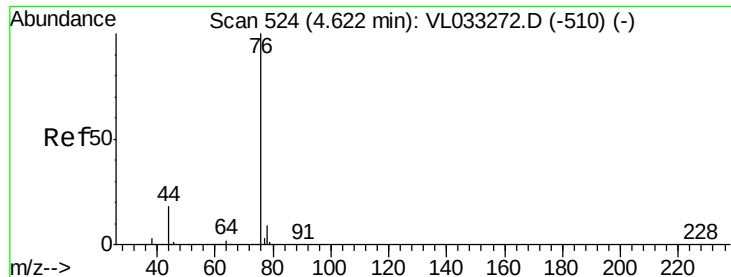


#26
Hexane
Concen: 8.884 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.8	70.7	106.1
43	224.5	178.6	267.8
56	52.9	41.3	61.9

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: 10.422 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1034616

Ion Ratio Lower Upper

76 100

44 18.1 15.1 22.7

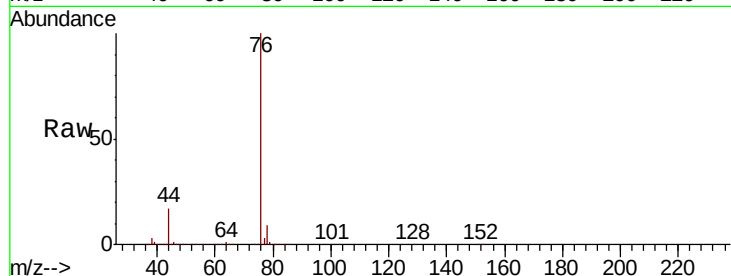
78 9.2 7.4 11.0

Manual Integrations

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MMDadoda

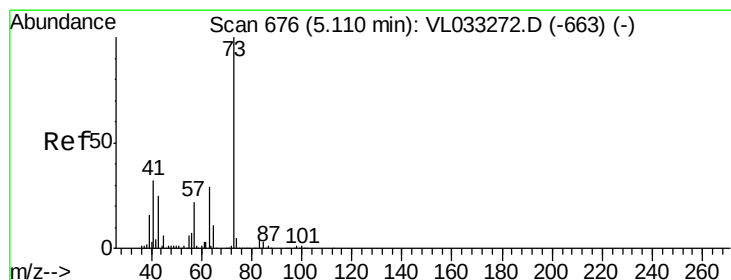
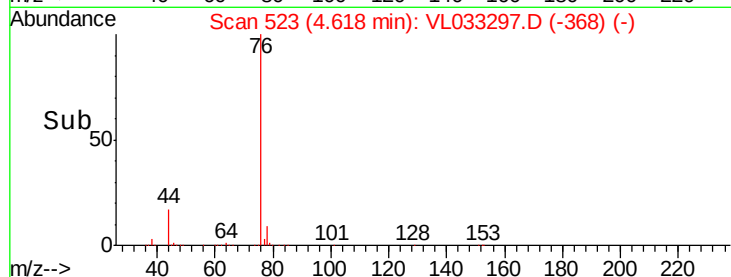
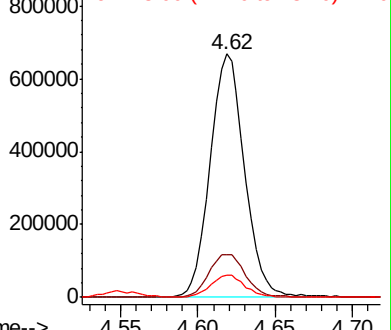
3/14/2019 5:06:38 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.570 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033297.D

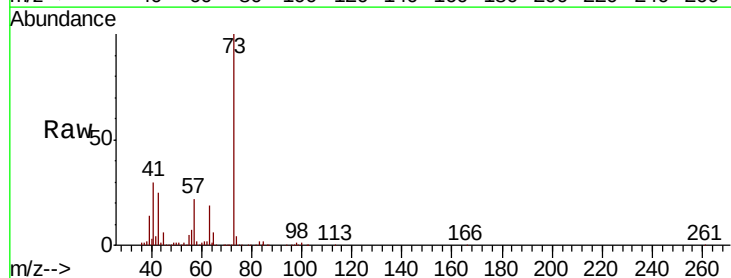
Acq: 13 Mar 2019 00:14

Tgt Ion: 73 Resp: 1270759

Ion Ratio Lower Upper

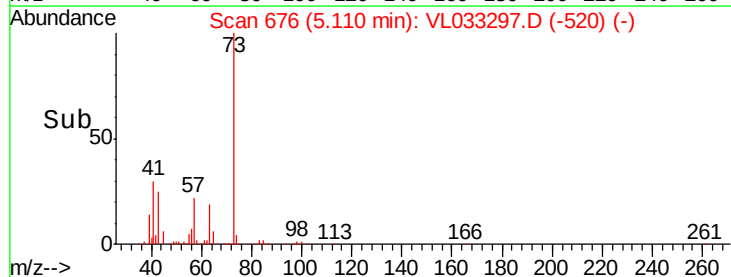
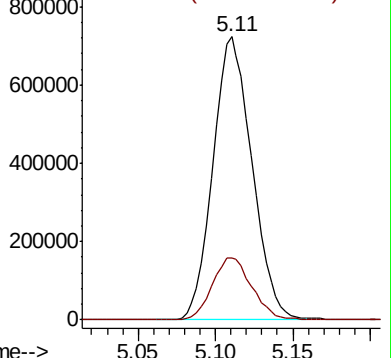
73 100

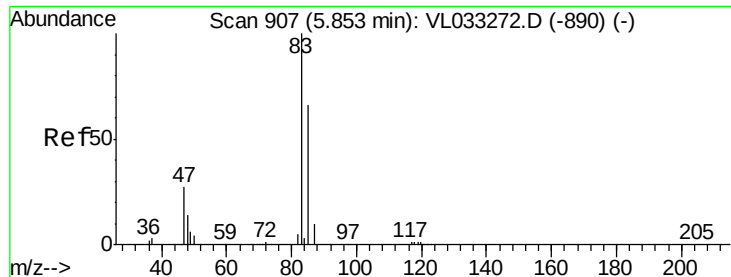
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





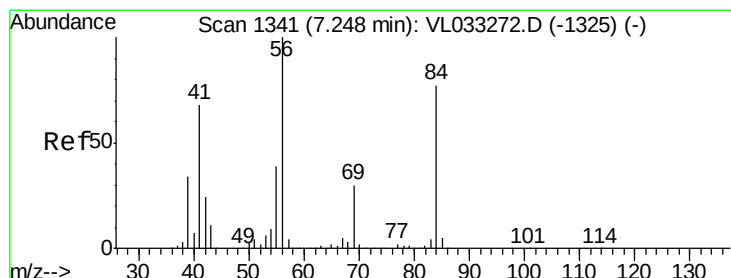
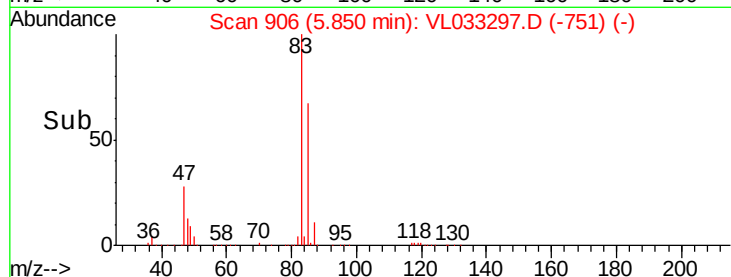
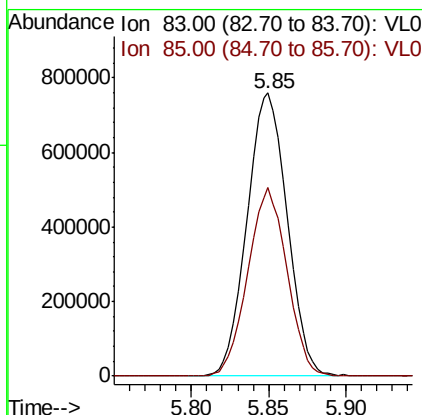
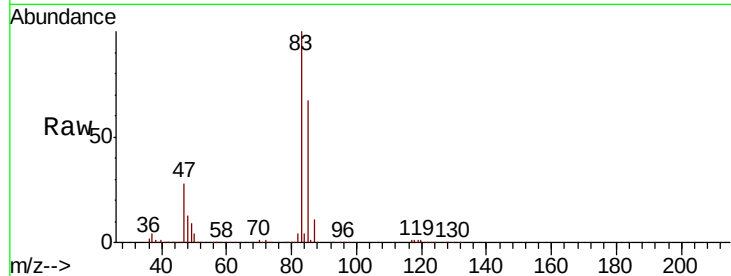
#29
Chloroform
Concen: 9.662 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1375389
Ion Ratio Lower Upper
83 100
85 66.4 52.5 78.7

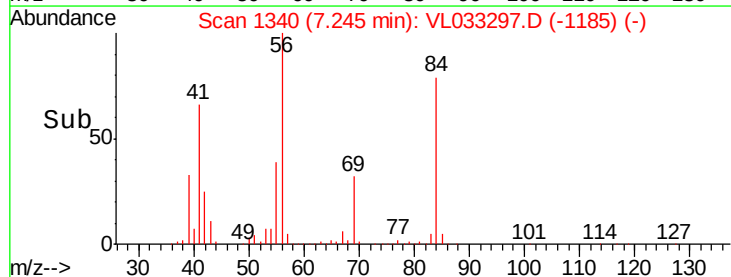
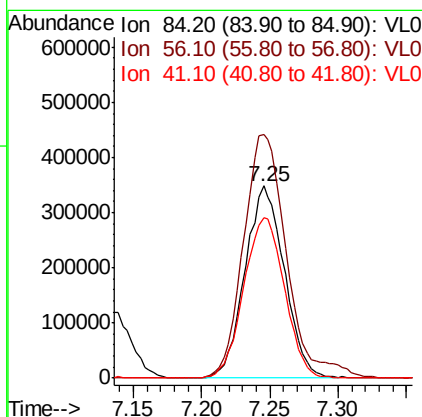
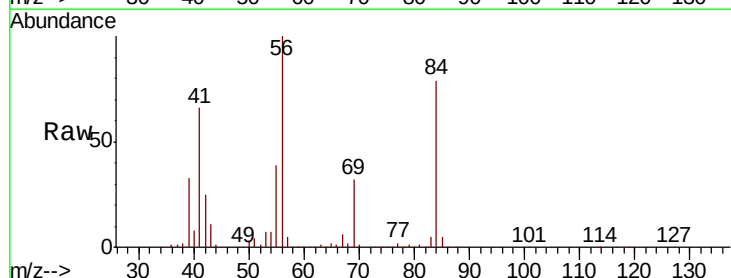
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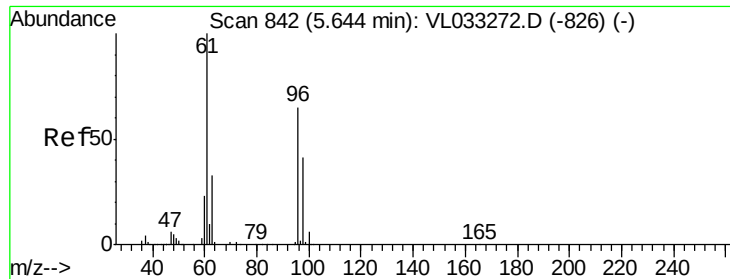
MMDadoda
3/14/2019 5:06:38 AM



#30
Cyclohexane
Concen: 9.622 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 84 Resp: 697989
Ion Ratio Lower Upper
84 100
56 139.2 112.0 168.0
41 86.5 69.9 104.9





#31

cis-1,2-Dichloroethene

Concen: 9.636 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033297.D

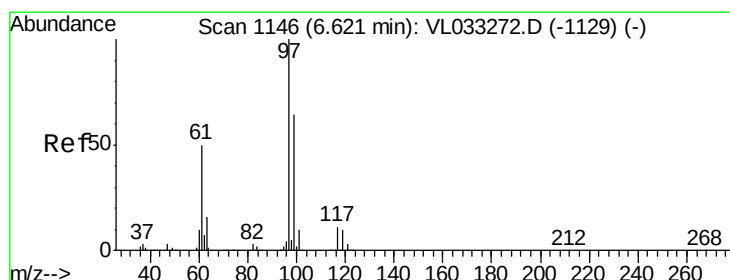
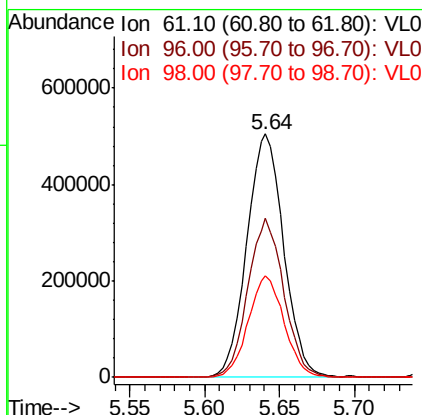
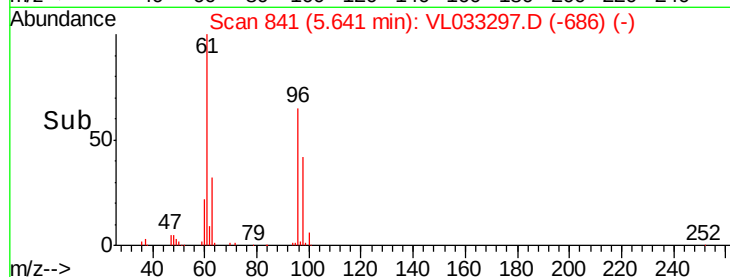
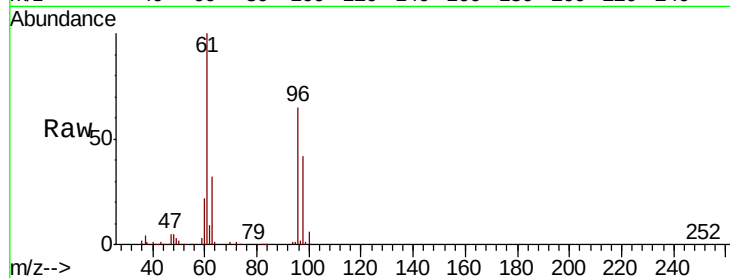
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	65.2	51.8	77.8
98	41.6	32.9	49.3

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#32

1,1,1-Trichloroethane

Concen: 9.488 ppbv

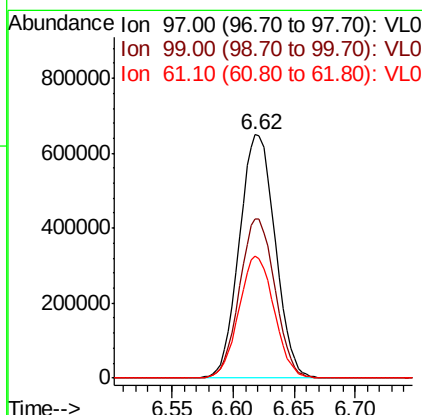
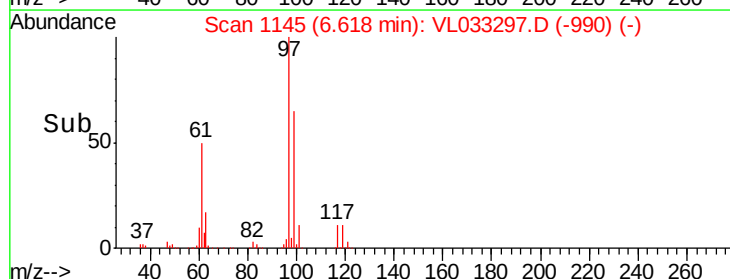
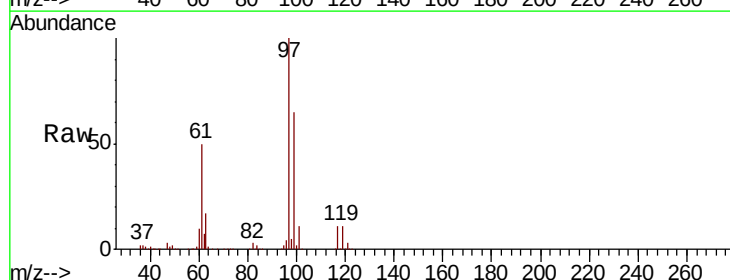
RT: 6.62 min Scan# 1145

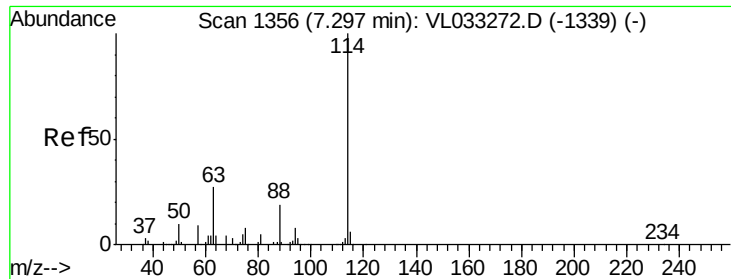
Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	49.6	39.7	59.5





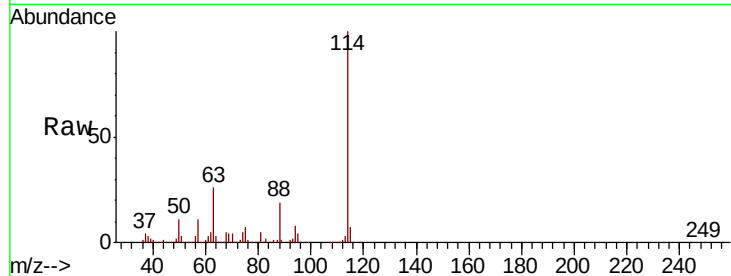
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

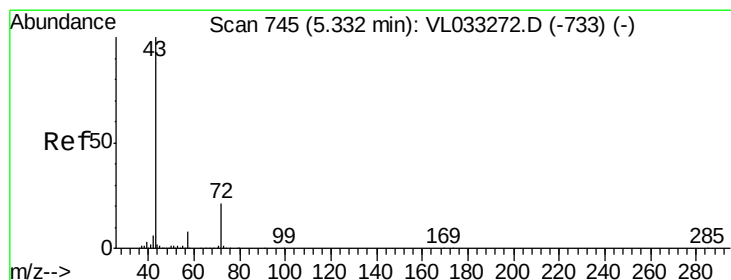
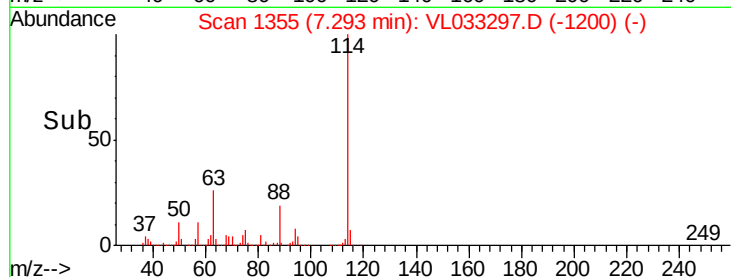
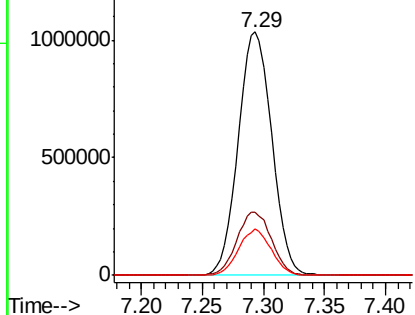
Tgt Ion: 114 Resp: 1966794
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.5 32.3
 88 18.3 14.6 22.0

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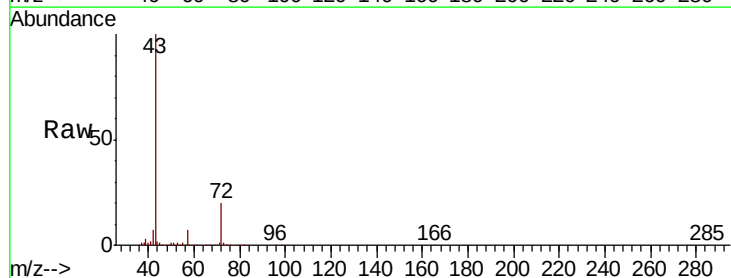


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

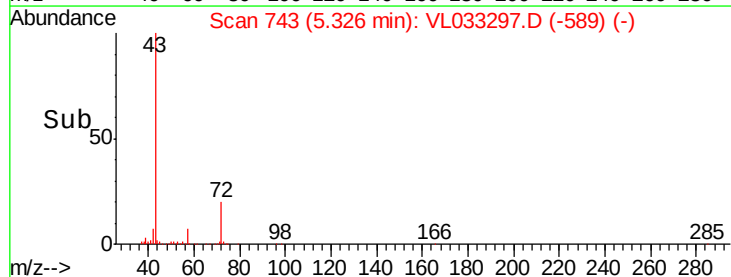
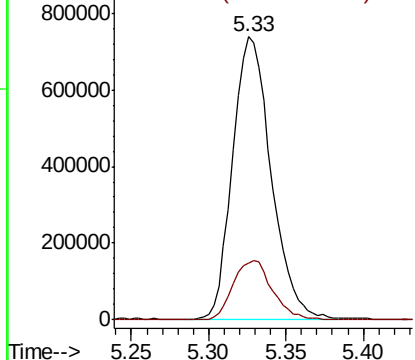


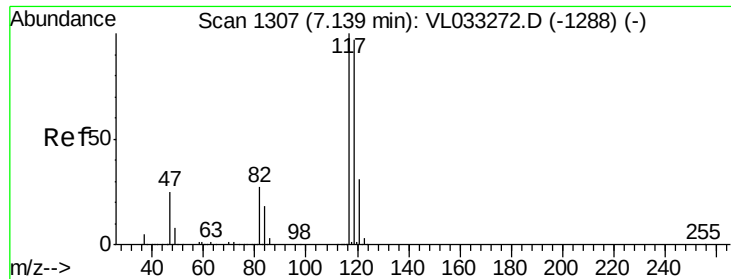
#34
 2-Butanone
 Concen: 9.773 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion: 43 Resp: 1271062
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.746 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1400543

Ion Ratio Lower Upper

117 100

119 94.9 77.4 116.0

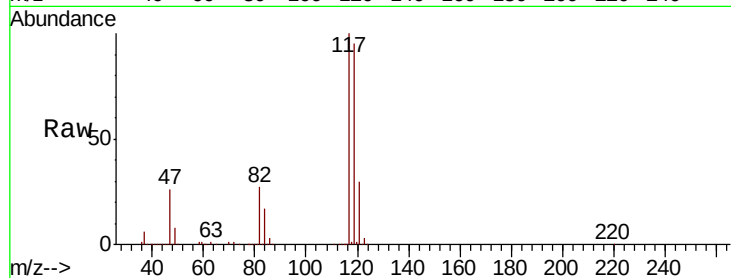
121 30.4 24.9 37.3

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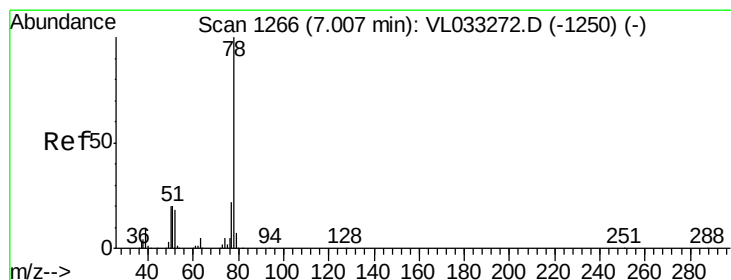
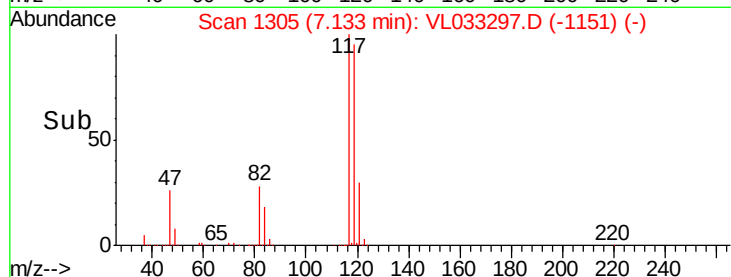
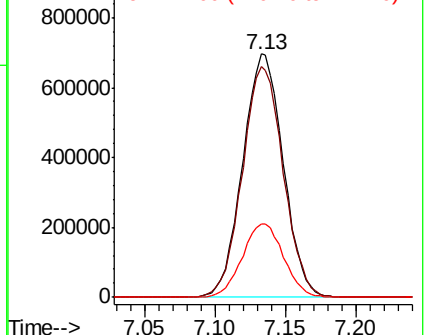


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.693 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

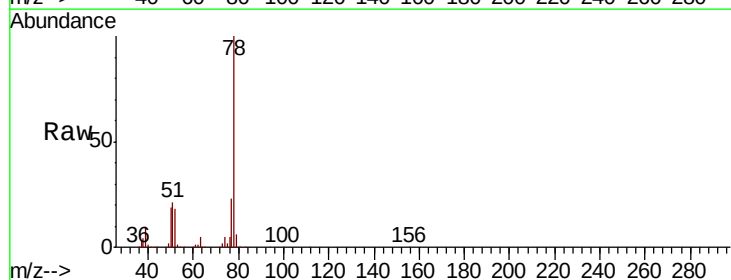
Tgt Ion: 78 Resp: 1758148

Ion Ratio Lower Upper

78 100

77 22.5 17.7 26.5

50 19.4 15.7 23.5

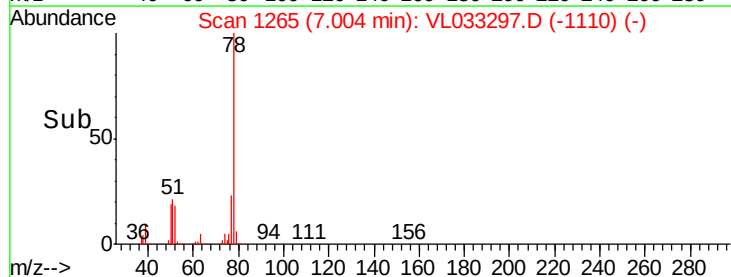
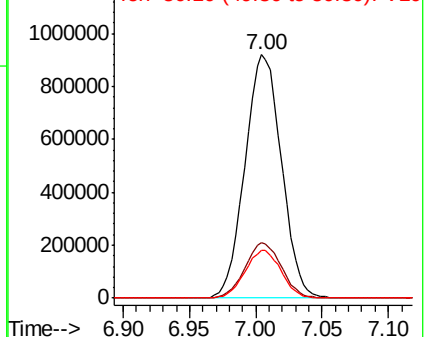


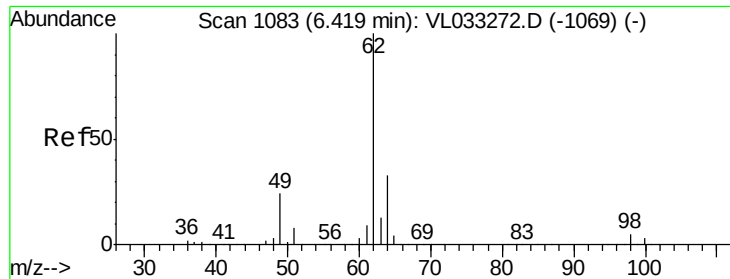
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





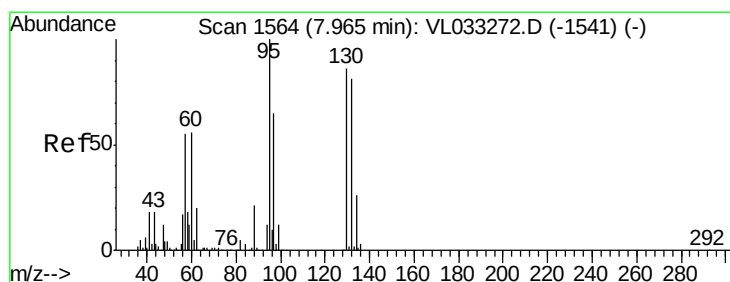
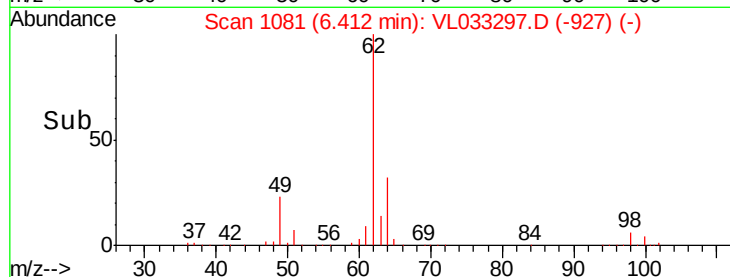
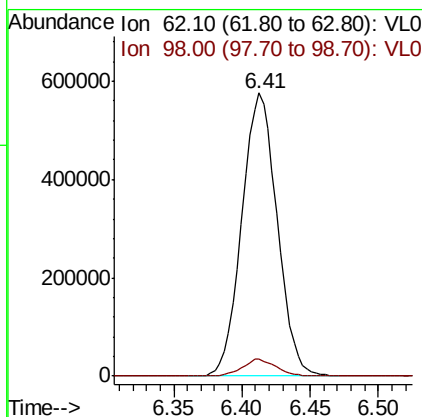
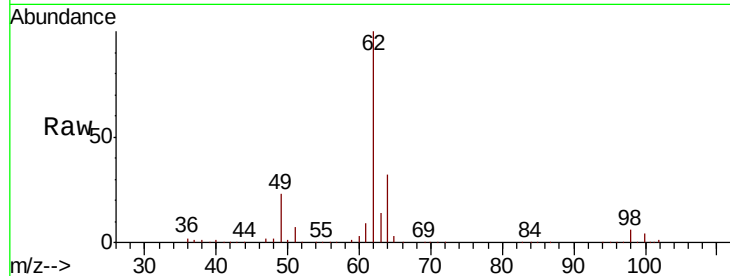
#37
 1,2-Dichloroethane
 Concen: 9.526 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1036380
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7

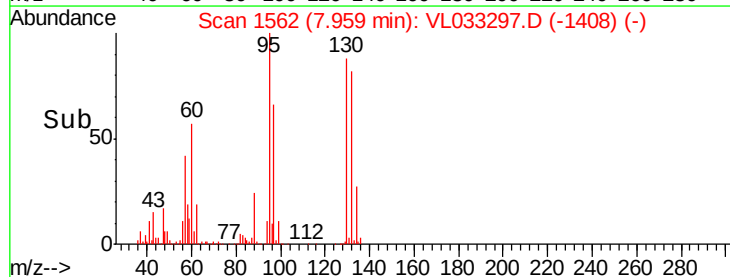
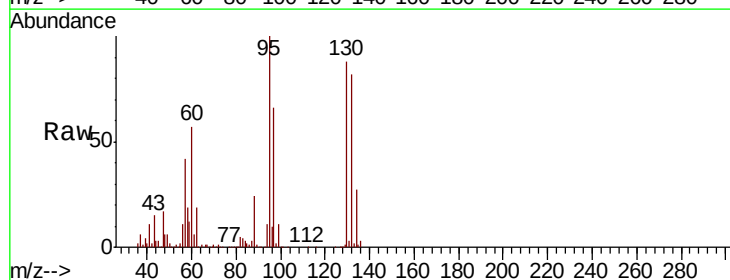
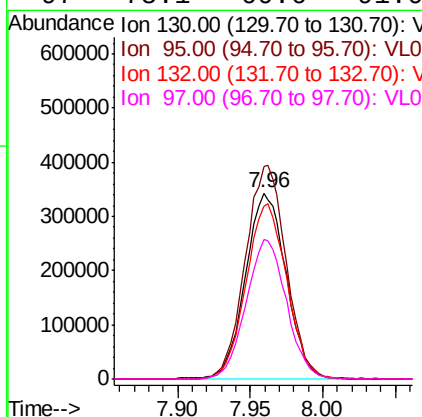
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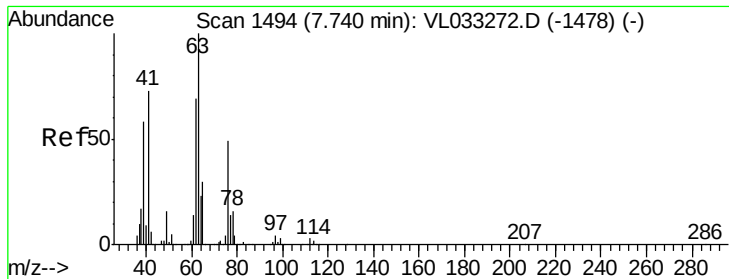
MMDadoda
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#38
 Trichloroethene
 Concen: 9.383 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion: 130 Resp: 663445
 Ion Ratio Lower Upper
 130 100
 95 114.6 93.3 139.9
 132 93.7 75.4 113.2
 97 75.1 60.6 91.0





#39

1,2-Dichloropropane

Concen: 9.770 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

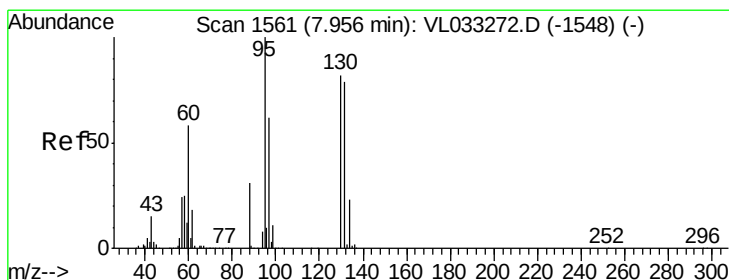
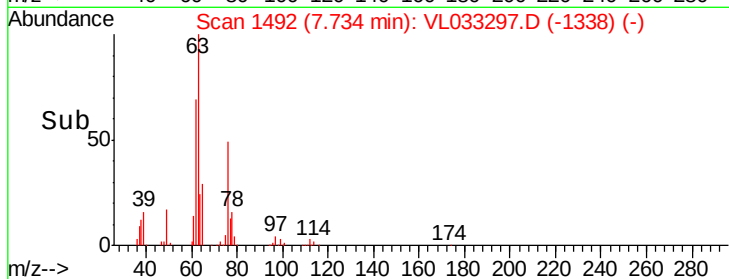
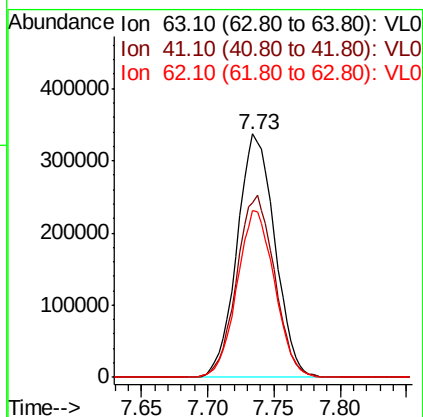
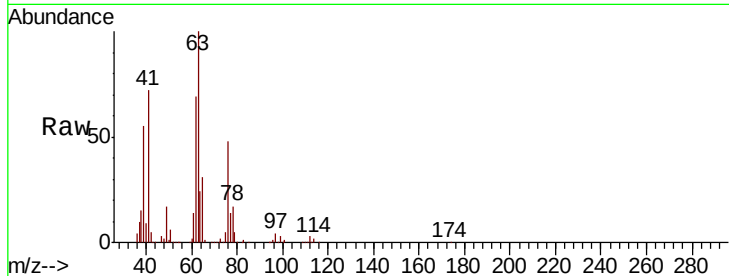
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	63	Resp:	666917
Ion	Ratio	Lower	Upper
63	100		
41	71.6	58.3	87.5
62	68.5	55.3	82.9

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#40

1,4-Dioxane

Concen: 9.154 ppbv

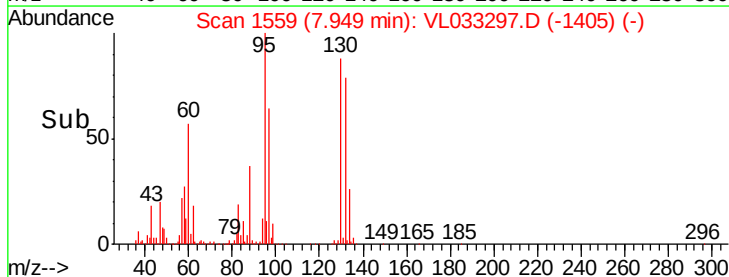
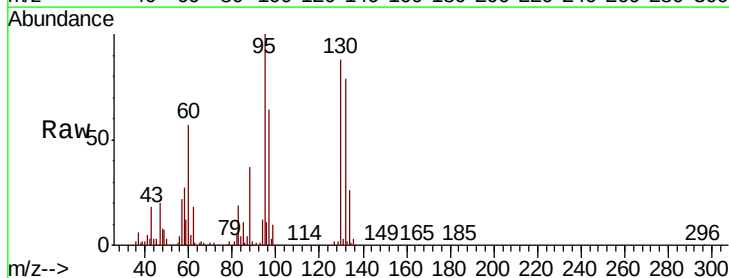
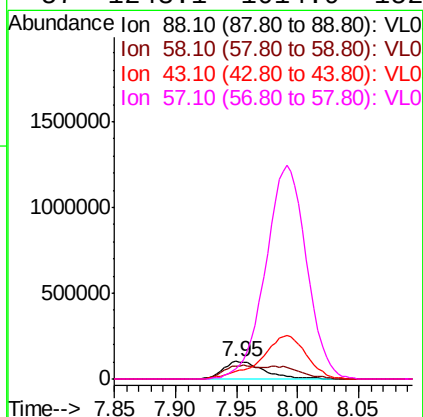
RT: 7.95 min Scan# 1559

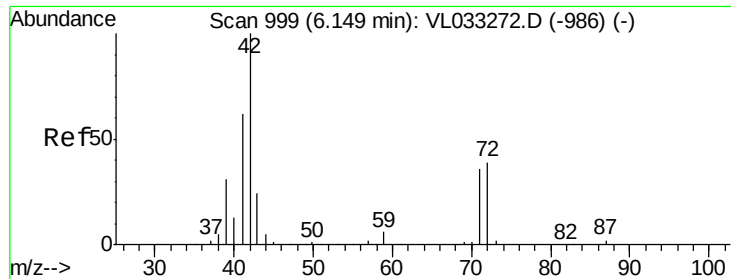
Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Tgt Ion:	88	Resp:	235167
Ion	Ratio	Lower	Upper
88	100		
58	131.1	107.0	160.6
43	279.0	230.2	345.4
57	1243.1	1014.9	1522.3





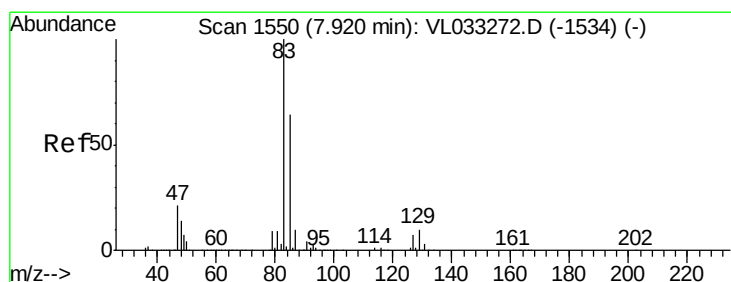
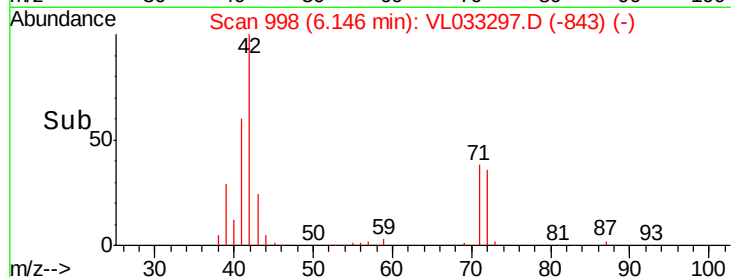
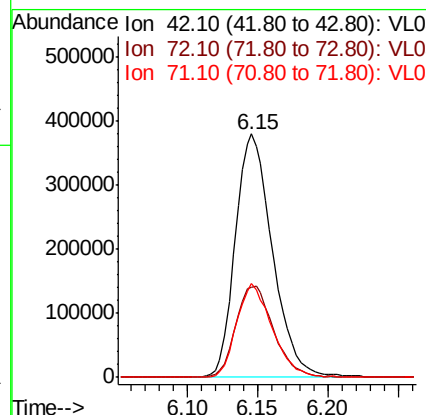
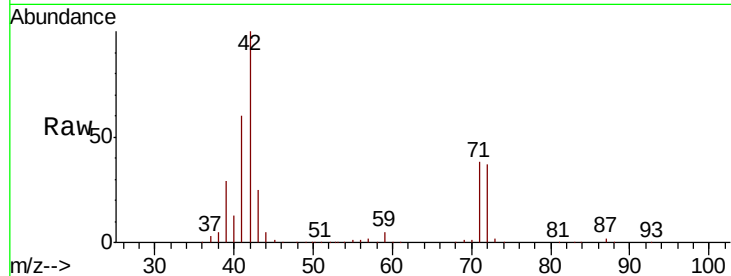
#41
Tetrahydrofuran
Concen: 9.682 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.6	46.0
71	37.4	29.7	44.5

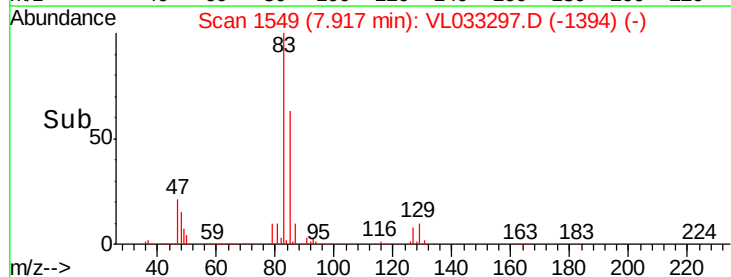
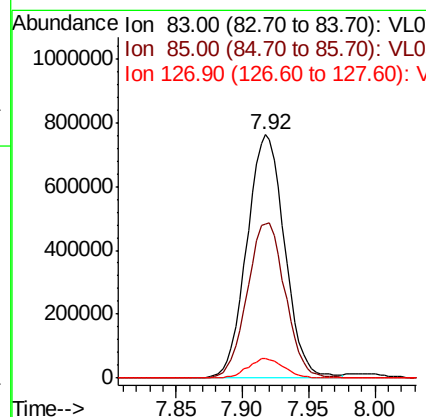
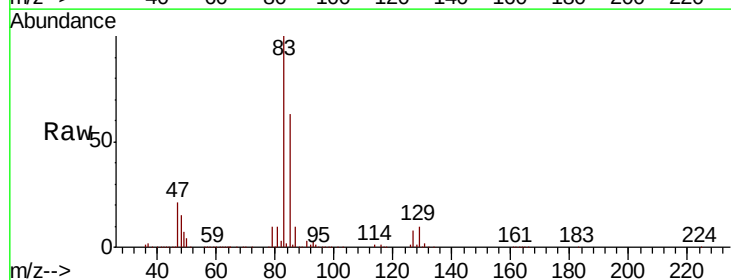
Manual Integrations
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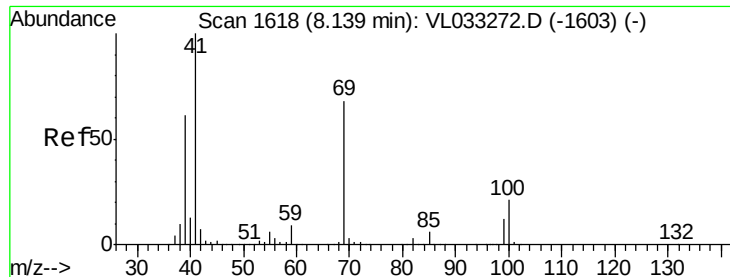
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#42
Bromodichloromethane
Concen: 10.083 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4
127	8.3	6.0	9.0





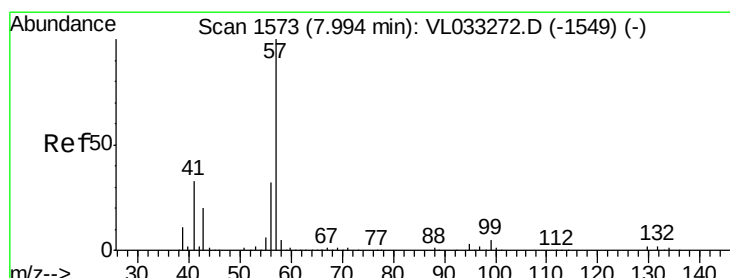
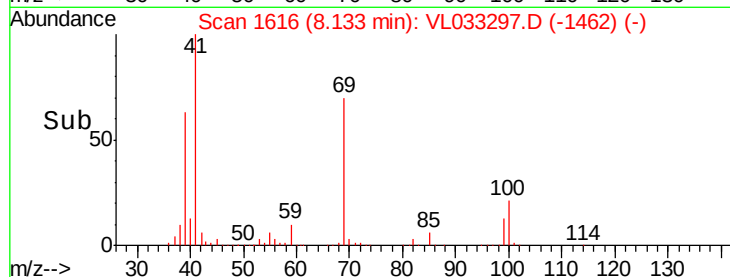
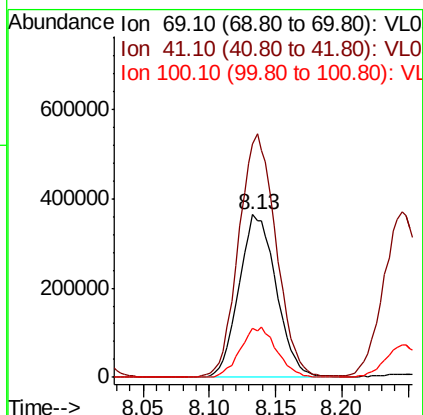
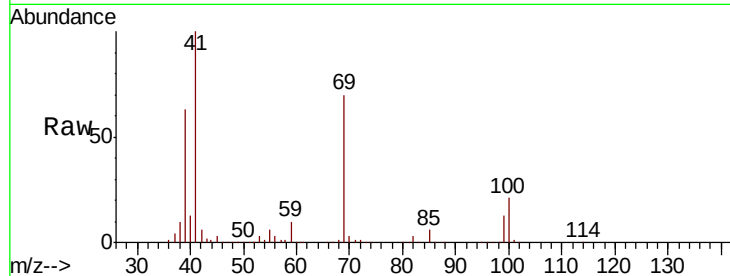
#43
Methyl Methacrylate
Concen: 10.111 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	149.1	121.0	181.4
100	30.3	24.4	36.6

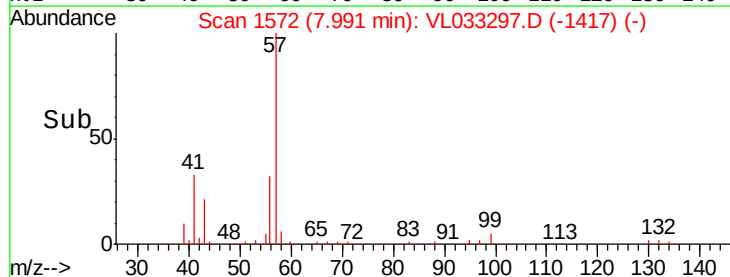
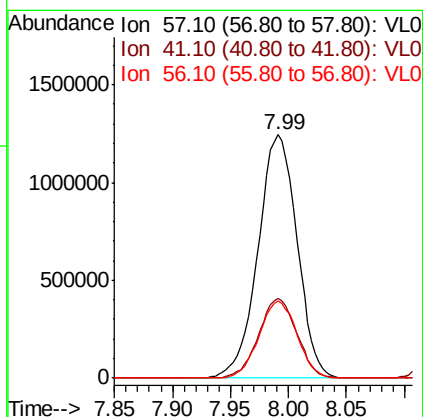
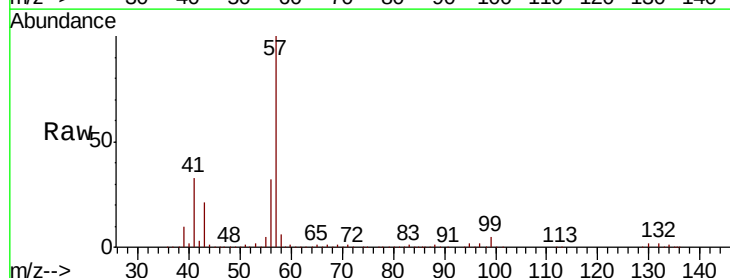
Manual Integrations
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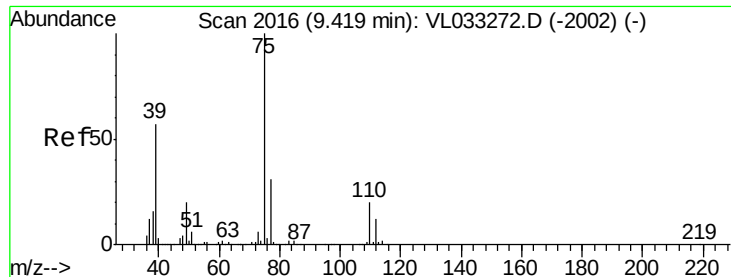
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#44
2,2,4-Trimethylpentane
Concen: 9.469 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.0	26.2	39.2
56	31.0	24.8	37.2





#45

t-1,3-Dichloropropene

Concen: 11.051 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 960480

Ion Ratio Lower Upper

75 100

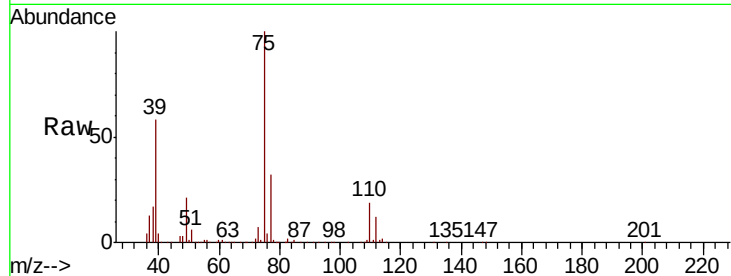
77 32.5 24.4 36.6

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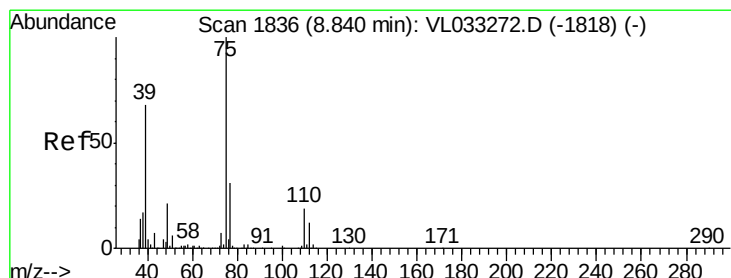
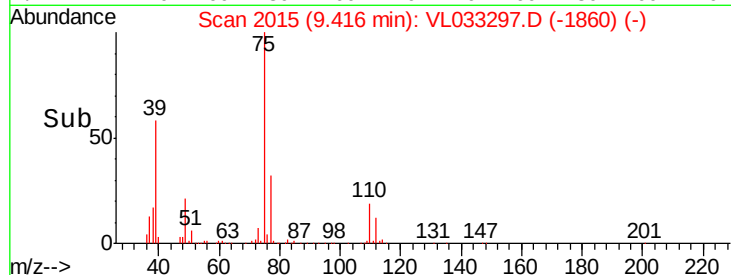
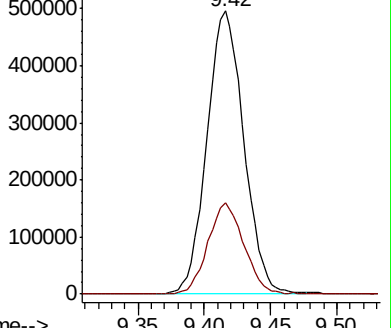
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.840 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

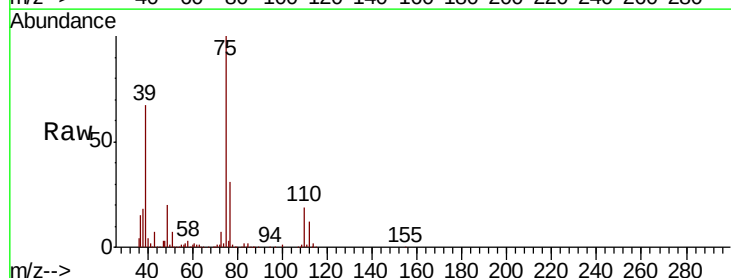
Tgt Ion: 75 Resp: 1104369

Ion Ratio Lower Upper

75 100

39 66.9 54.2 81.2

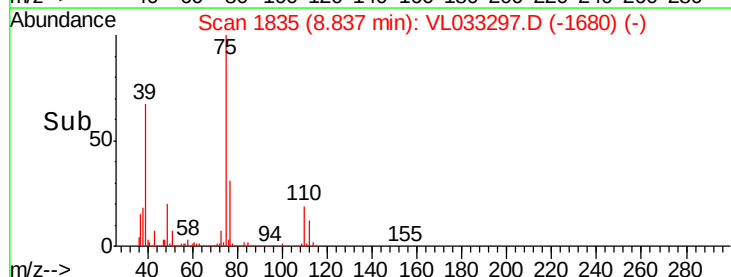
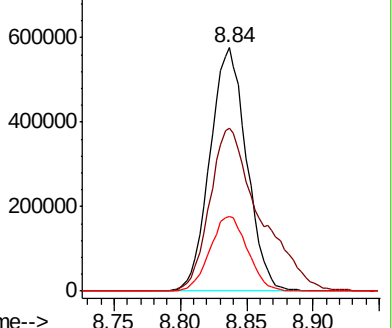
77 30.5 24.5 36.7

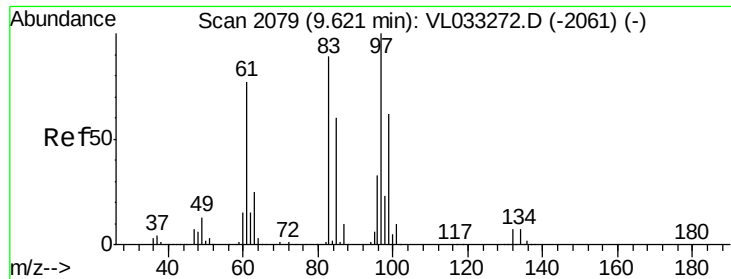


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





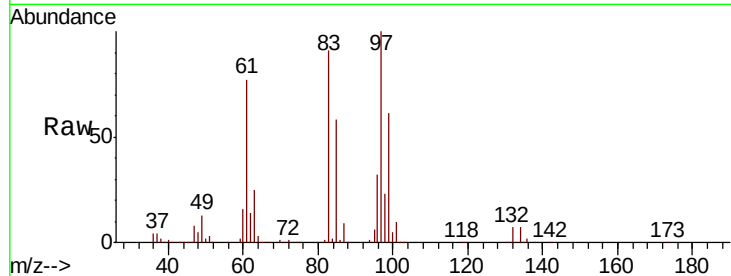
#47
 1,1,2-Trichloroethane
 Concen: 10.060 ppbv
 RT: 9.61 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.0	106.4
85	57.5	48.2	72.4
99	61.4	49.3	73.9

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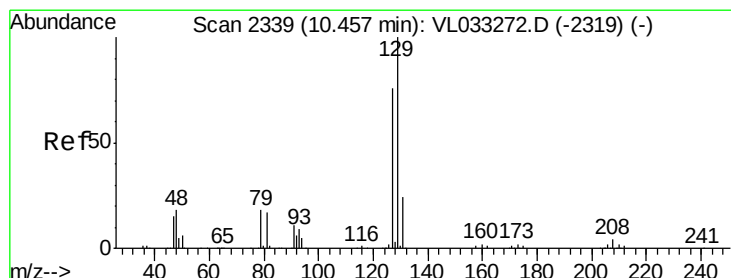
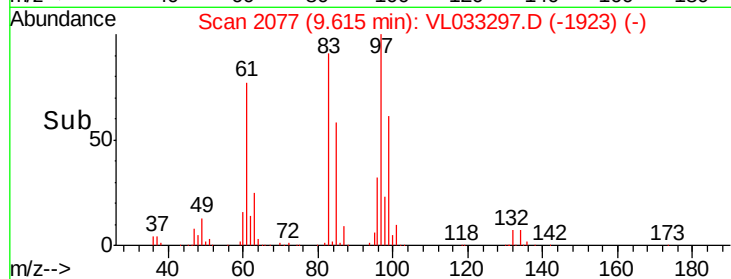
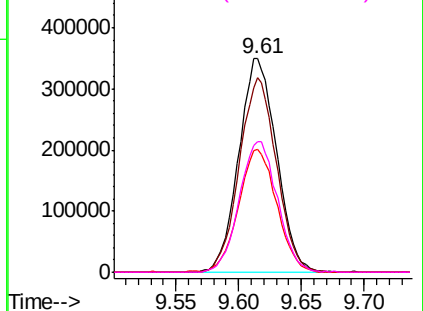
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

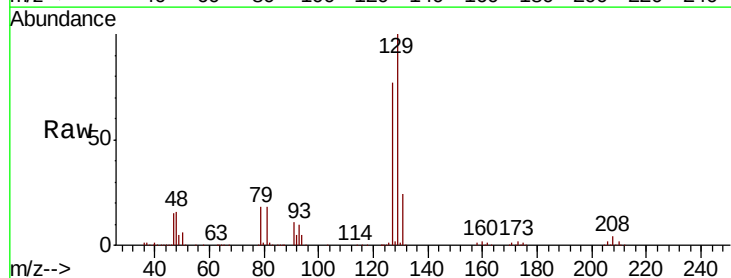
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.488 ppbv
 RT: 10.45 min Scan# 2338
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

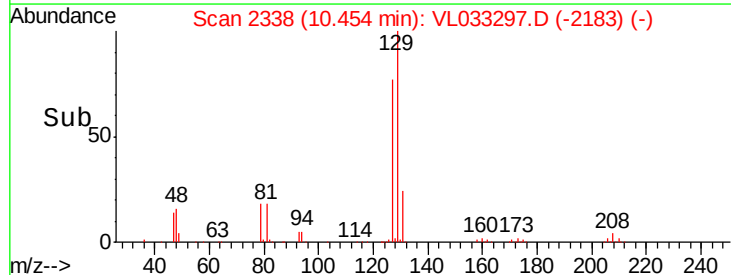
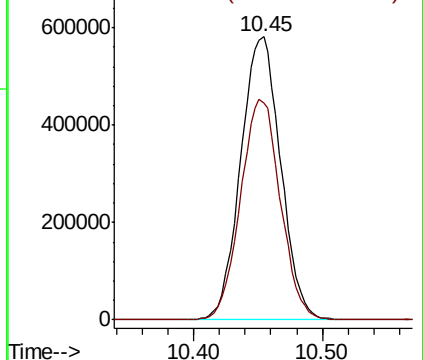
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.6

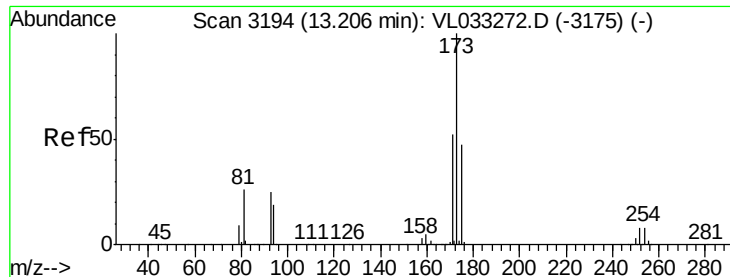


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.189 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 1083880

Ion Ratio Lower Upper

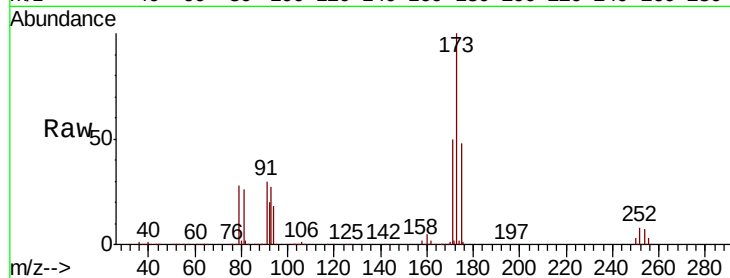
173 100

175 48.7 39.0 58.6

171 52.0 41.2 61.8

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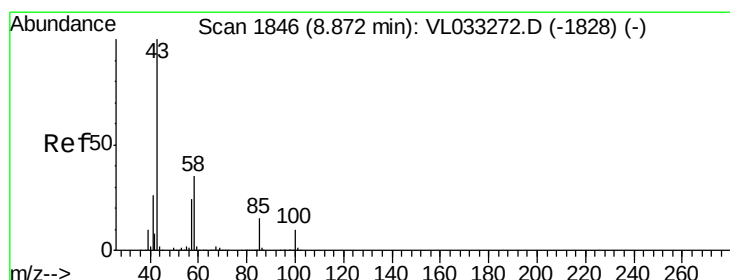
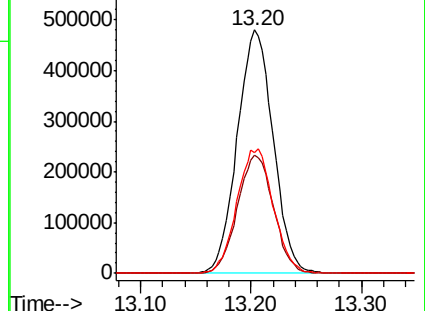
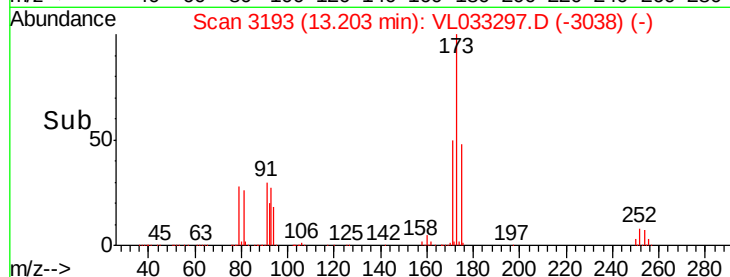
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.960 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL033297.D

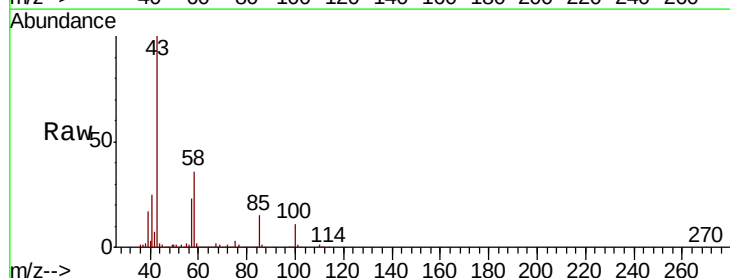
Acq: 13 Mar 2019 00:14

Tgt Ion: 43 Resp: 1848645

Ion Ratio Lower Upper

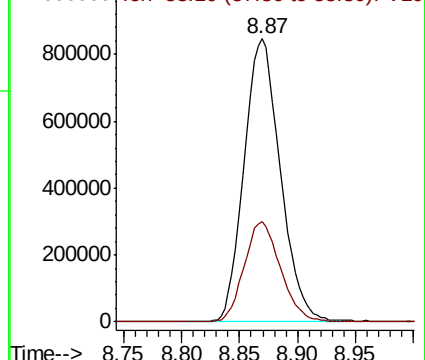
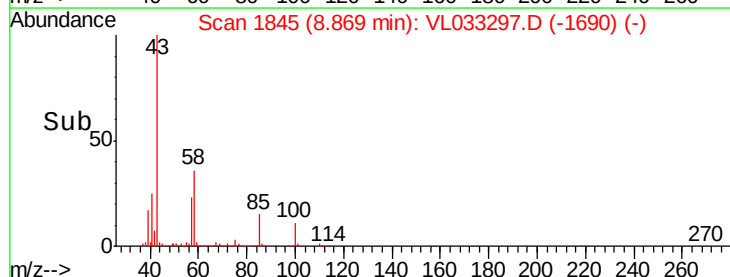
43 100

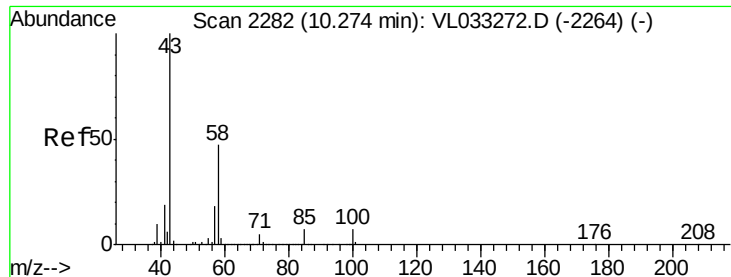
58 35.4 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.988 ppbv

RT: 10.27 min Scan# 2280

Delta R.T. -0.01 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1415204

Ion Ratio Lower Upper

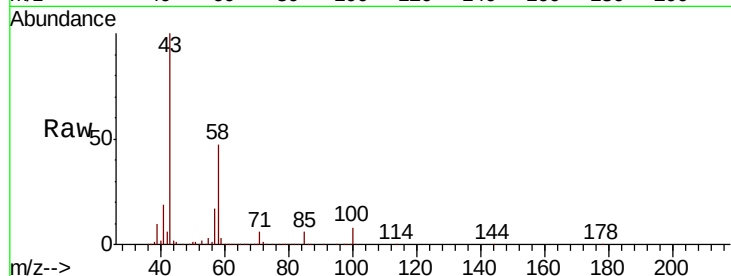
43 100

58 47.9 38.1 57.1

98 0.1 0.1 0.1#

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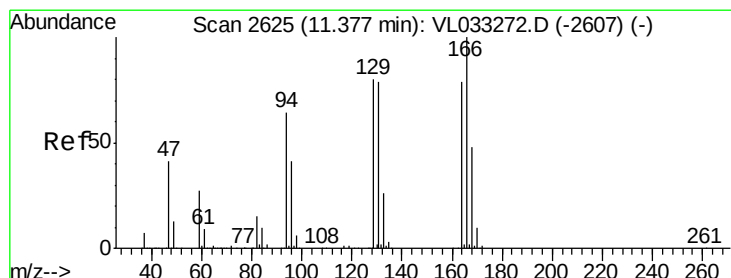
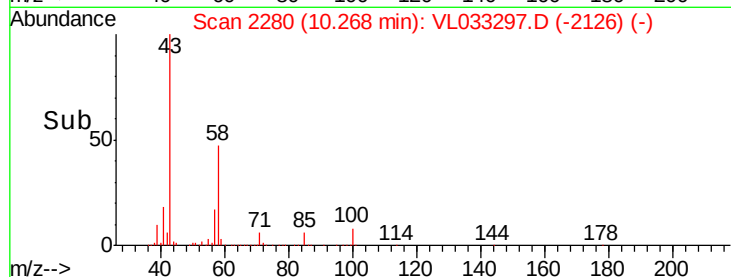
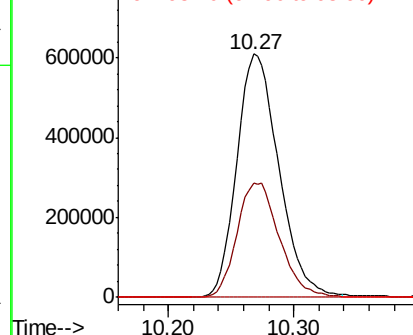


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.604 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Tgt Ion: 164 Resp: 638587

Ion Ratio Lower Upper

164 100

166 127.6 100.8 151.2

129 105.1 80.6 121.0

131 101.0 79.2 118.8

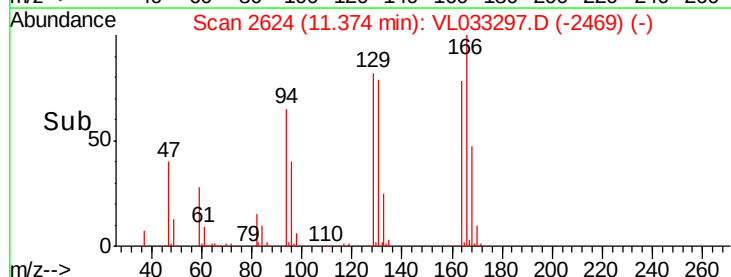
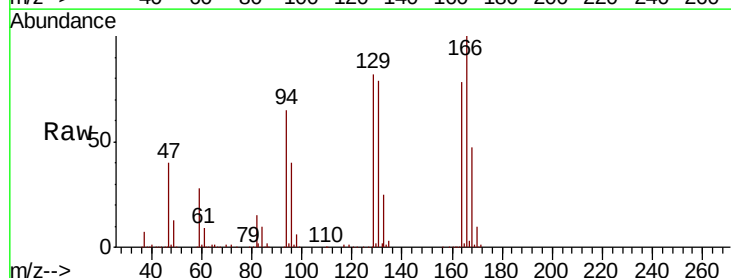
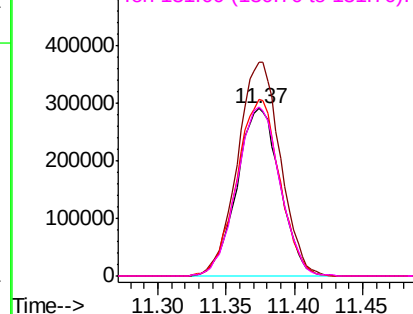
Abundance

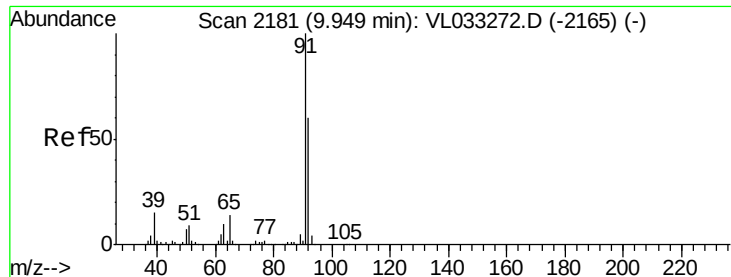
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





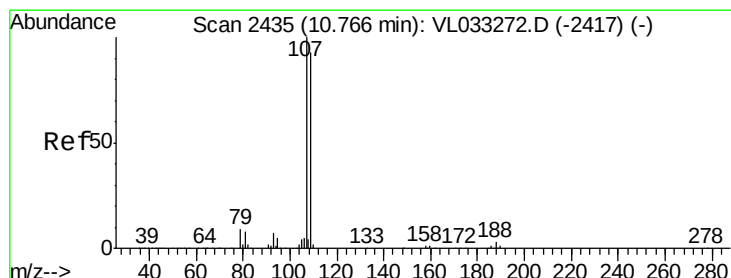
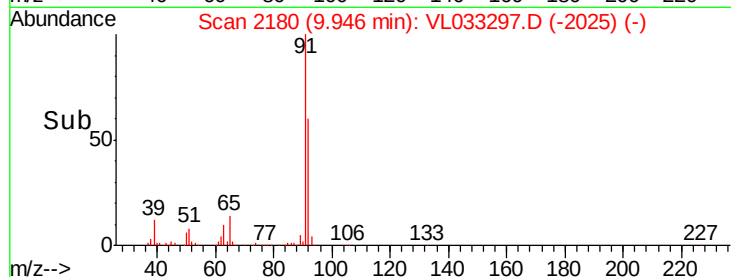
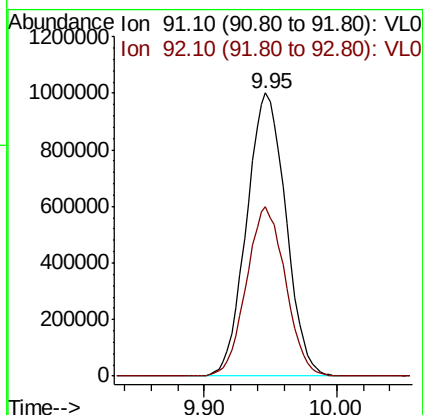
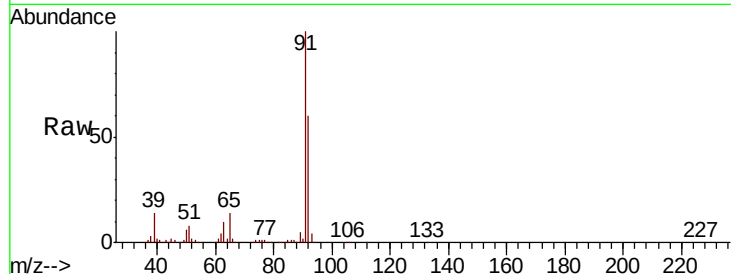
#53
Toluene
Concen: 9.869 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 2063439
Ion Ratio Lower Upper
91 100
92 59.8 47.8 71.8

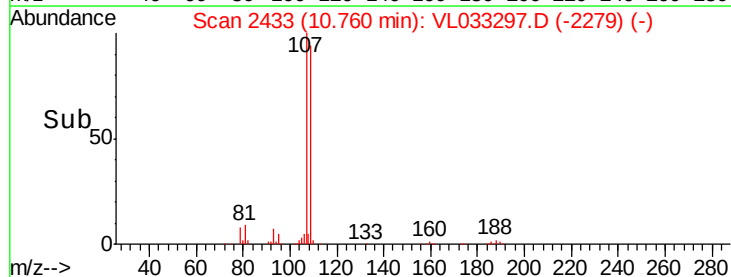
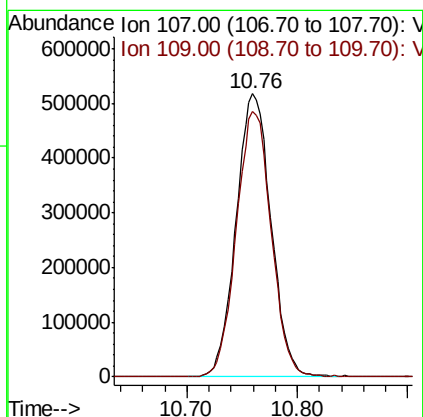
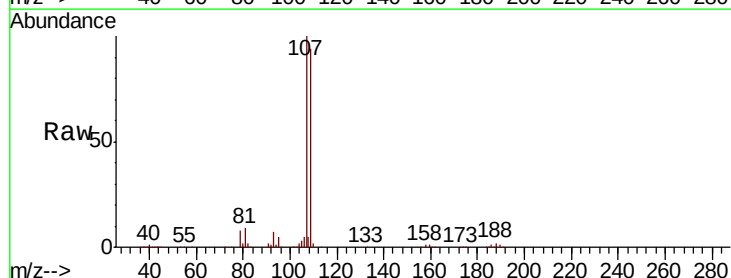
Manual Integrations
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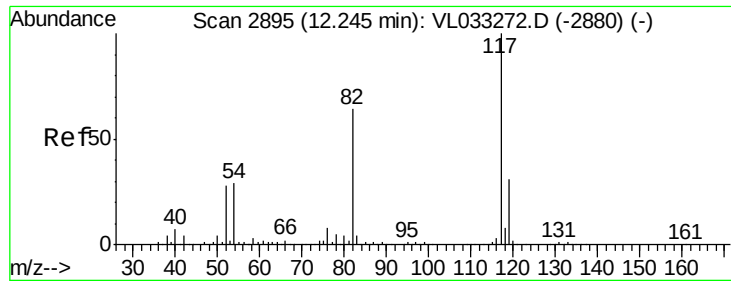
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3/14/2019 5:06:38 AM



#54
1,2-Dibromoethane
Concen: 10.124 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 107 Resp: 1134243
Ion Ratio Lower Upper
107 100
109 94.0 74.2 111.2





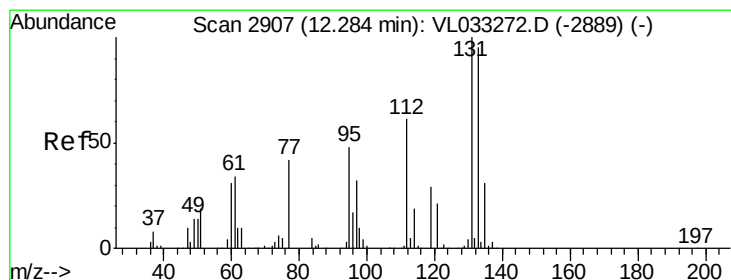
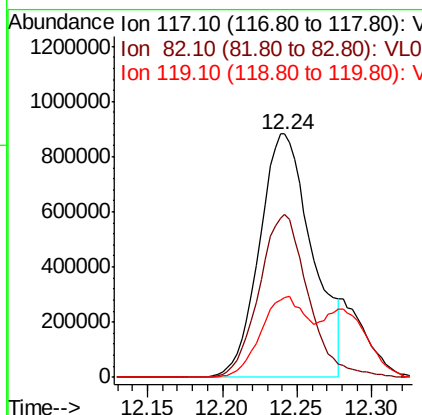
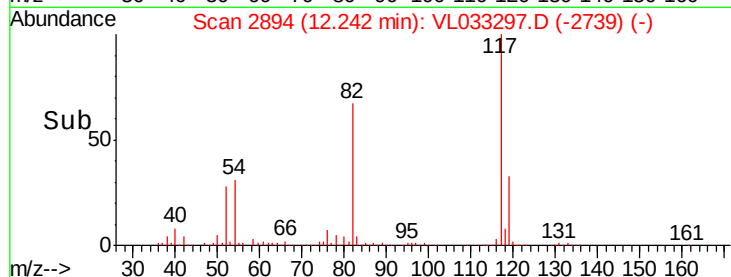
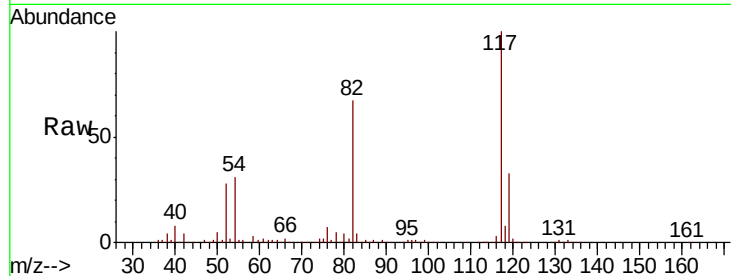
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2159013
Ion Ratio Lower Upper
117 100
82 62.6 51.1 76.7
119 29.3 43.6 65.4#

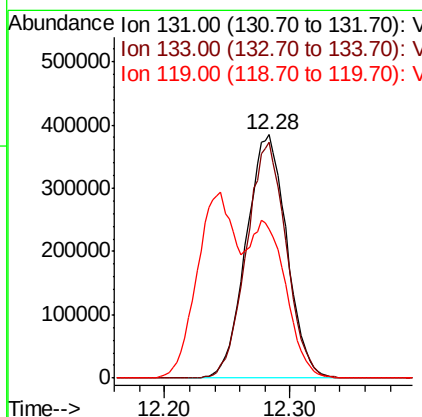
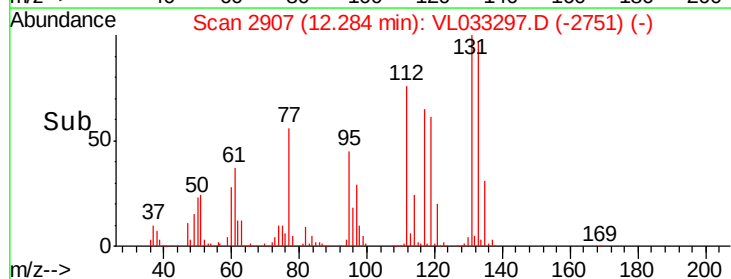
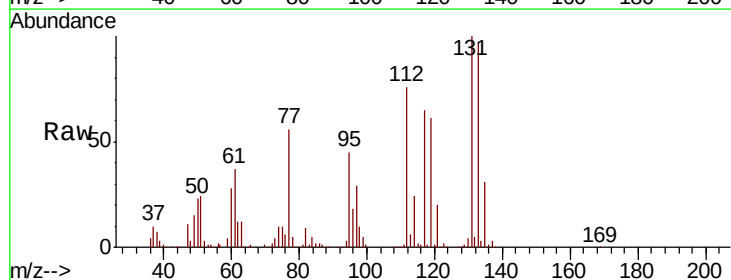
Manual Integrations
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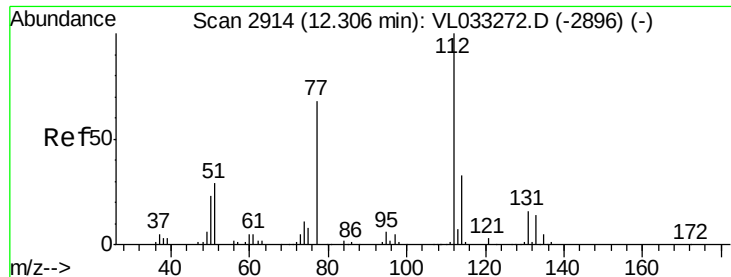
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.419 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:131 Resp: 864388
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 56.5 110.3 165.5#





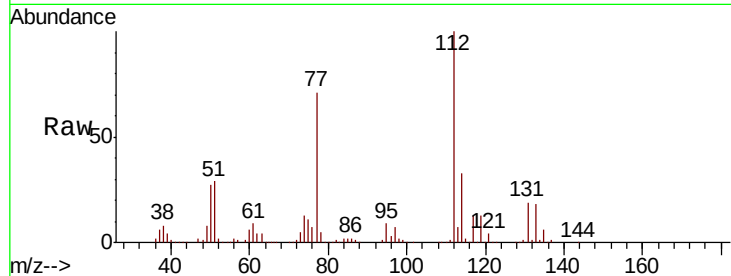
#57
Chlorobenzene
Concen: 9.133 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

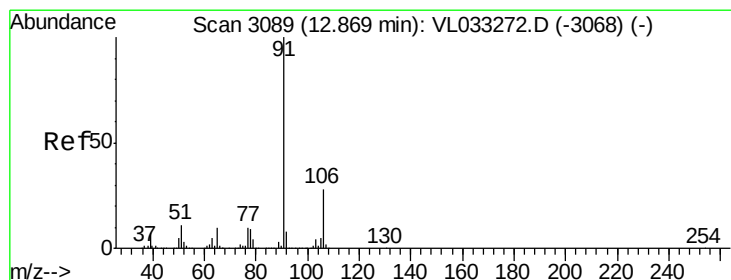
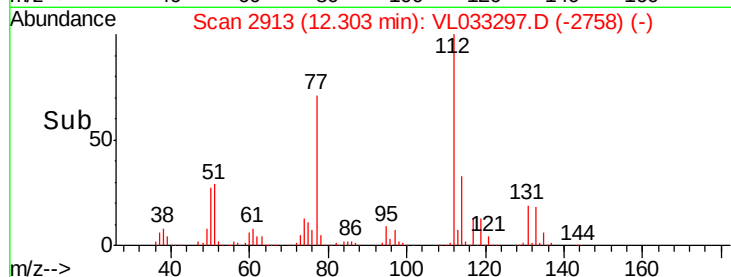
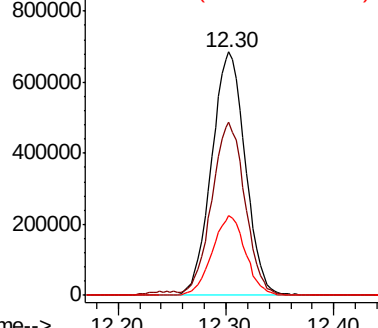
Tgt Ion: 112 Resp: 1487026
Ion Ratio Lower Upper
112 100
77 70.9 55.8 83.8
114 32.6 29.5 36.1

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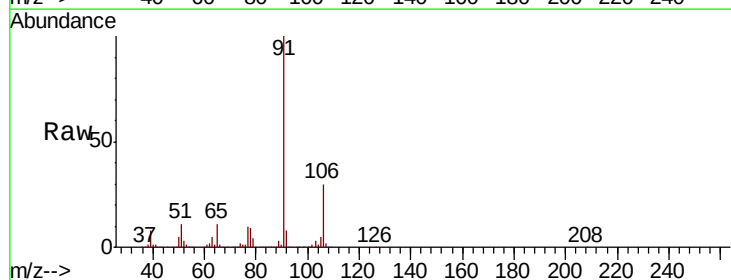


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

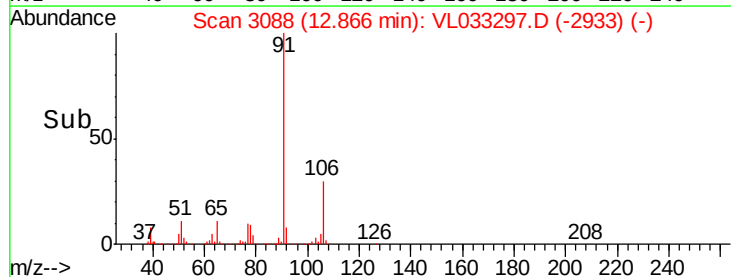
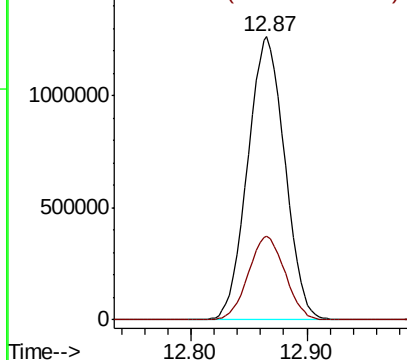


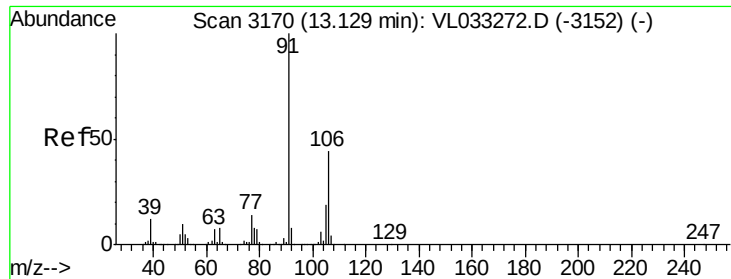
#58
Ethyl Benzene
Concen: 9.462 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 2807344
Ion Ratio Lower Upper
91 100
106 29.7 22.5 33.7



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





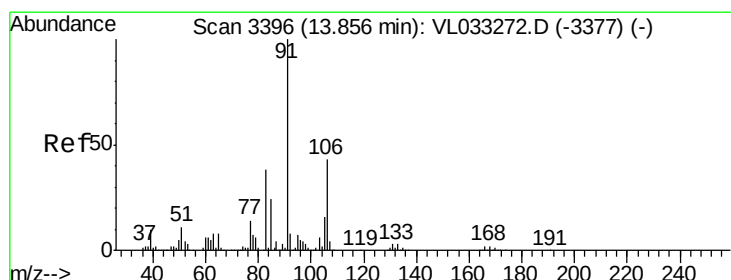
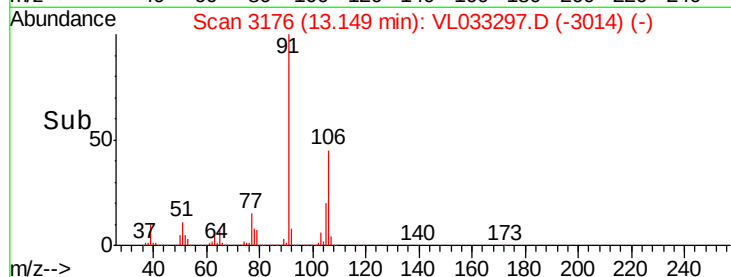
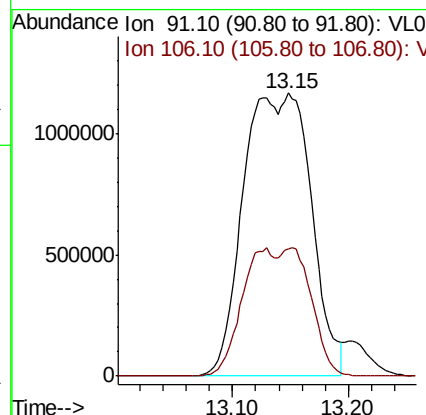
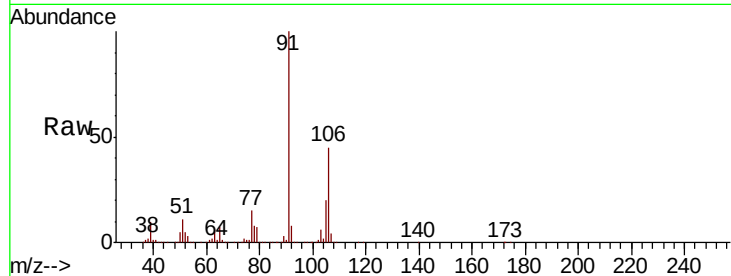
#59
m/p-Xylene
Concen: 19.002 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. 0.02 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4714814
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#

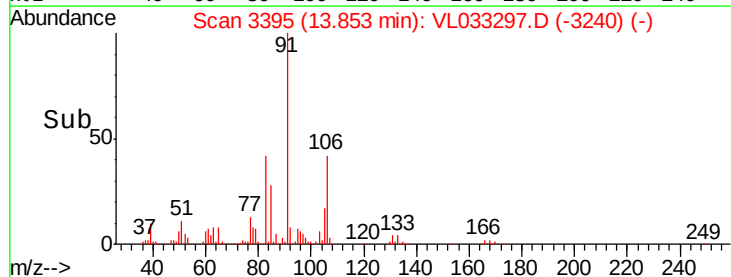
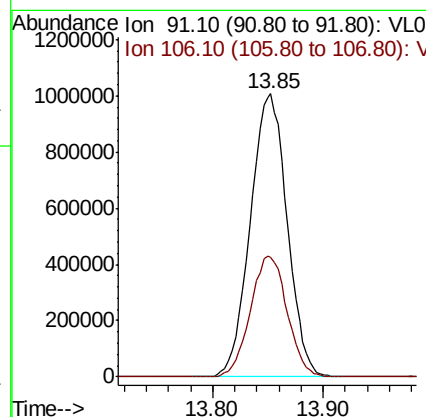
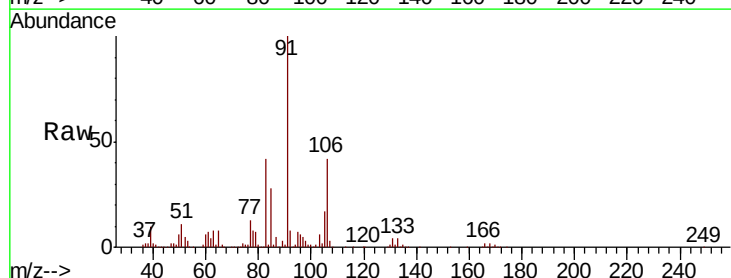
Manual Integrations
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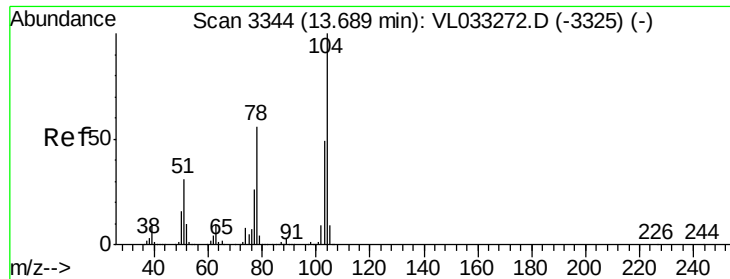
MMDadoda
3/14/2019 5:06:38 AM



#60
o-Xylene
Concen: 9.738 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 2322791
Ion Ratio Lower Upper
91 100
106 42.8 21.3 63.7





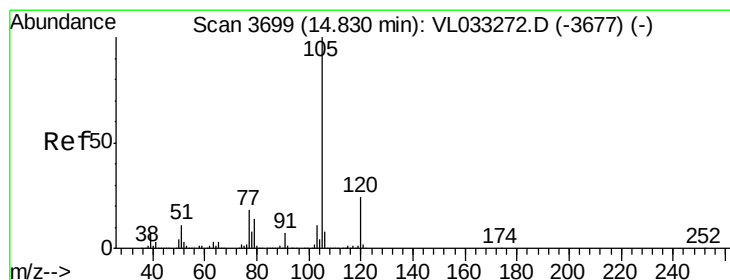
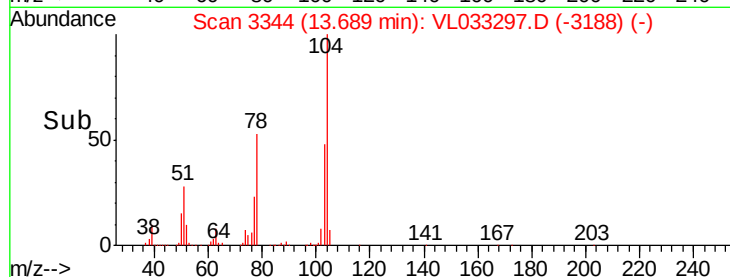
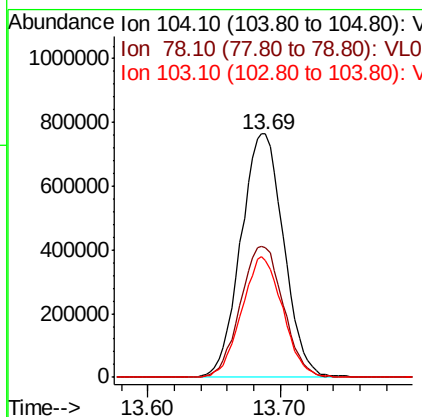
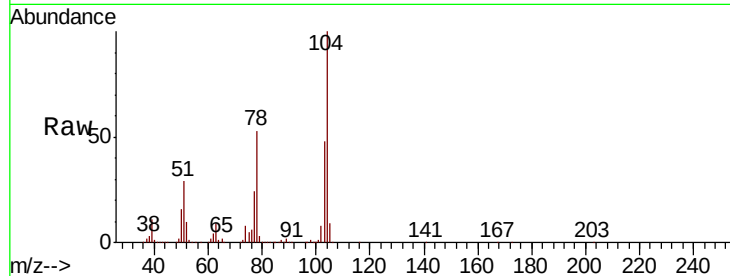
#61
Styrene
Concen: 10.091 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1714329
Ion Ratio Lower Upper
104 100
78 54.2 43.3 64.9
103 47.8 38.0 57.0

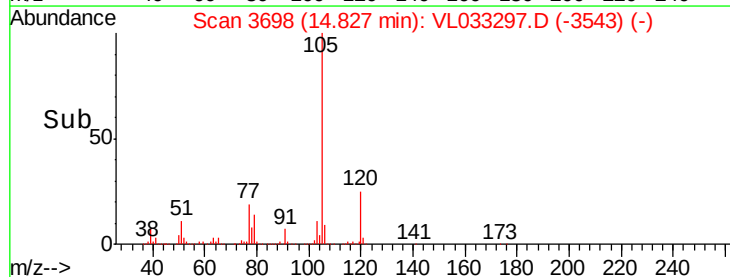
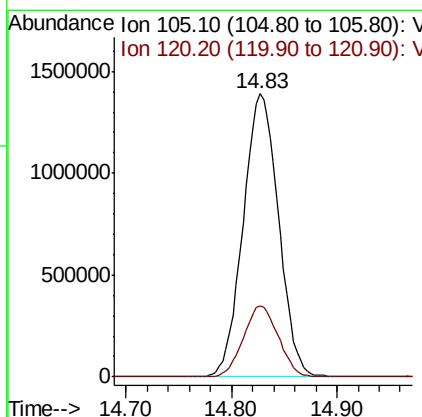
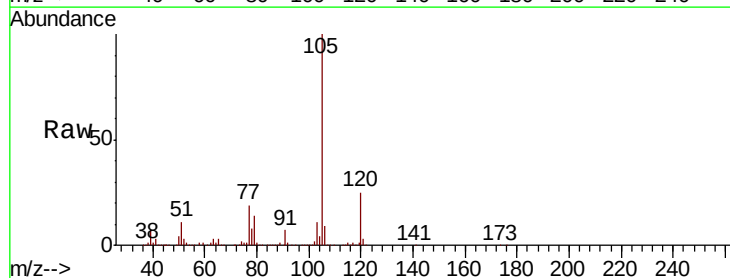
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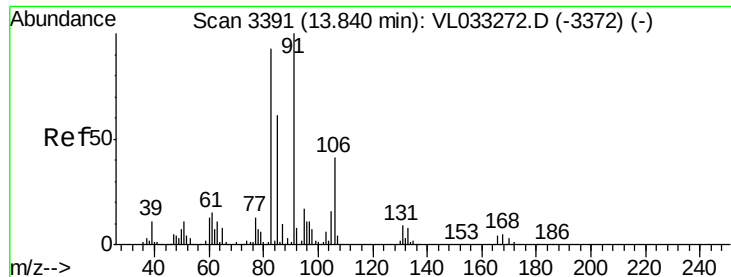
MMDadoda
3/14/2019 5:06:38 AM



#62
Isopropylbenzene
Concen: 9.775 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion:105 Resp: 3248872
Ion Ratio Lower Upper
105 100
120 24.9 20.0 30.0





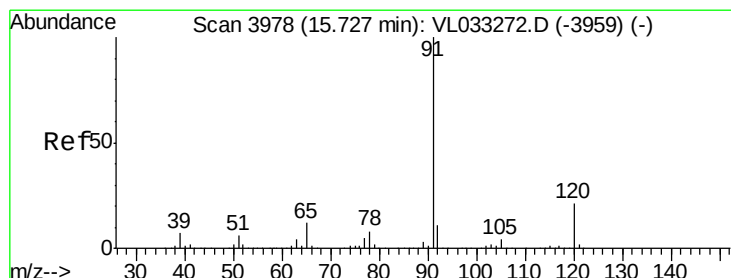
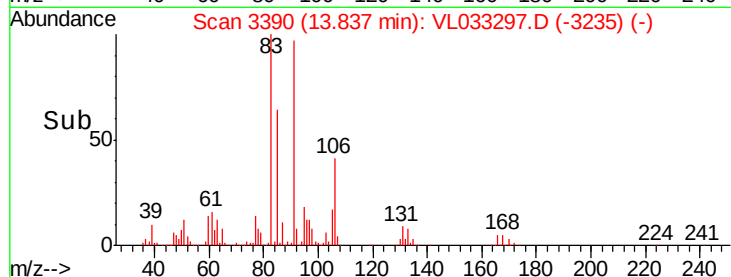
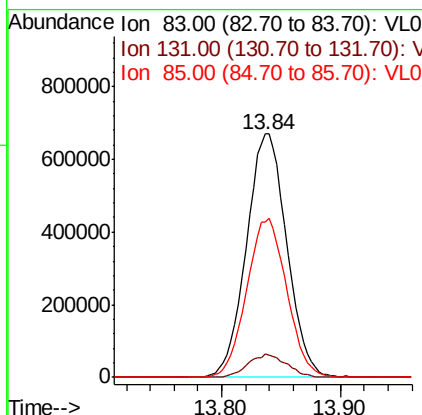
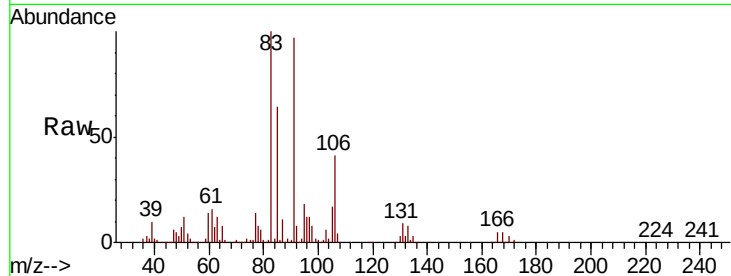
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.811 ppbv
 RT: 13.84 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 1568842
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.7
 85 65.0 32.2 96.6

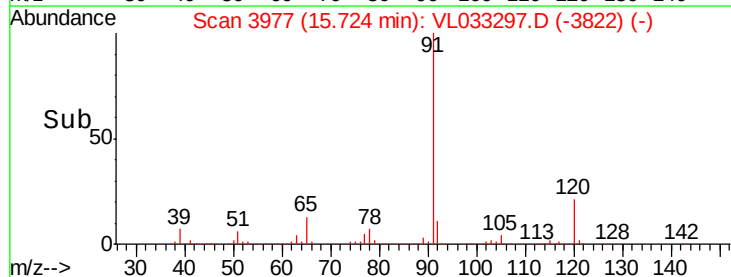
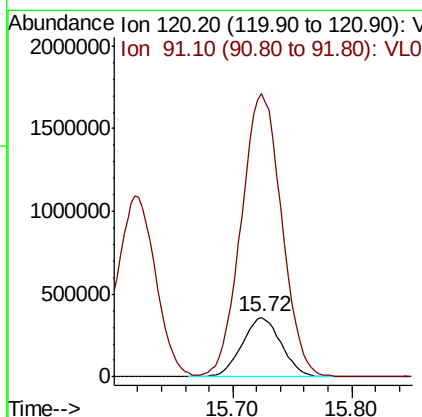
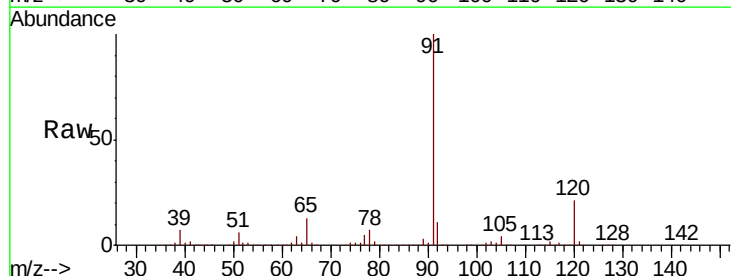
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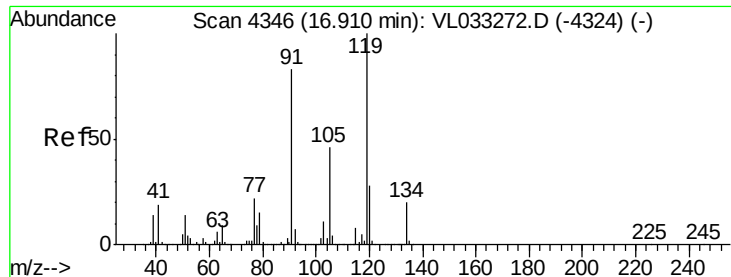
MMDadoda
 3/14/2019 5:06:38 AM



#64
 n-propylbenzene
 Concen: 10.061 ppbv
 RT: 15.72 min Scan# 3977
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion: 120 Resp: 822821
 Ion Ratio Lower Upper
 120 100
 91 490.9 385.8 578.8





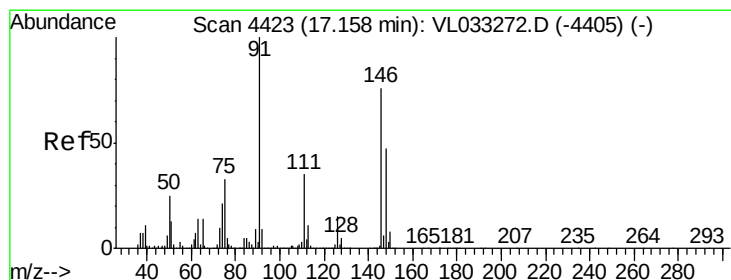
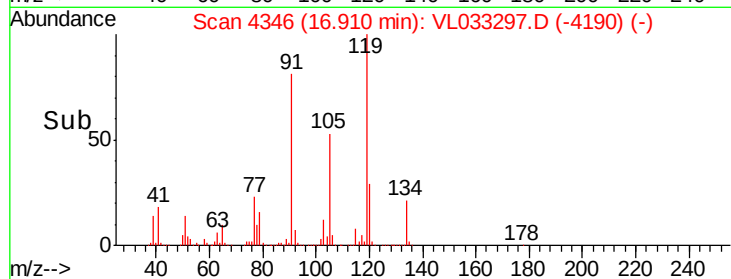
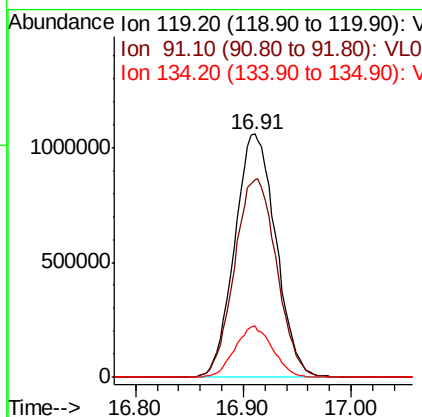
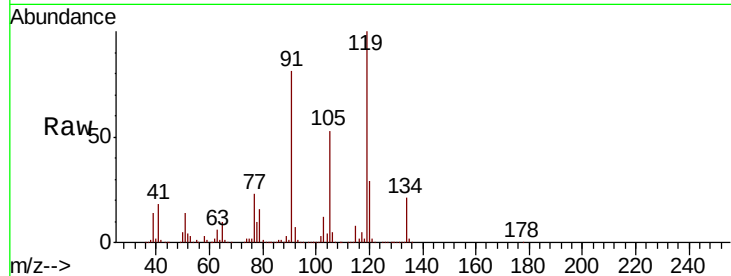
#65
 tert-Butylbenzene
 Concen: 10.016 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. 0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 2809923
 Ion Ratio Lower Upper
 119 100
 91 83.8 67.3 100.9
 134 19.3 15.4 23.2

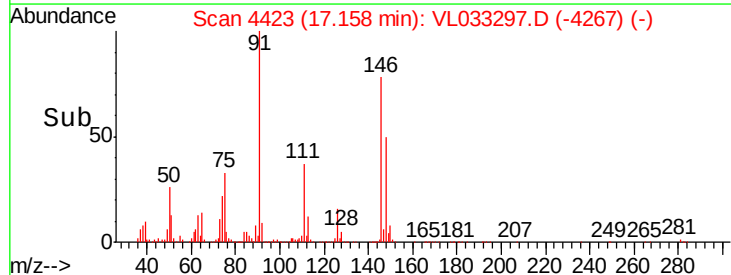
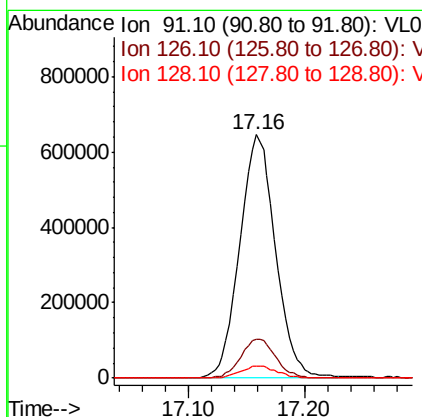
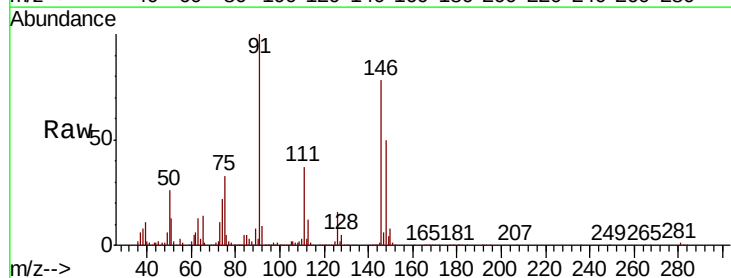
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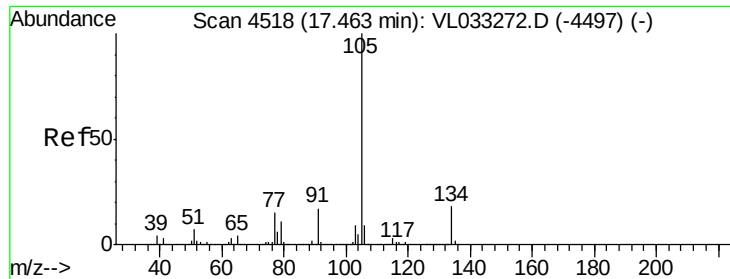
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#66
 Benzyl Chloride
 Concen: 12.777 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 1388460
 Ion Ratio Lower Upper
 91 100
 126 15.7 13.0 19.6
 128 5.0 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.098 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. 0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 4032329

Ion Ratio Lower Upper

105 100

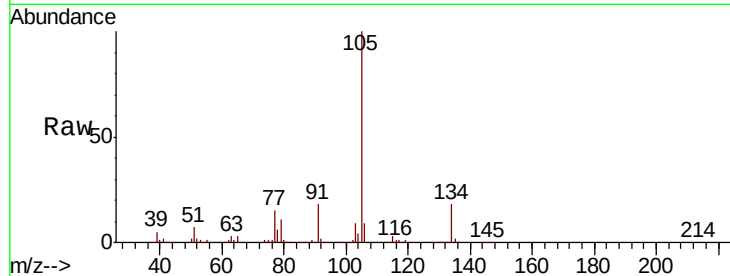
134 17.6 14.2 21.2

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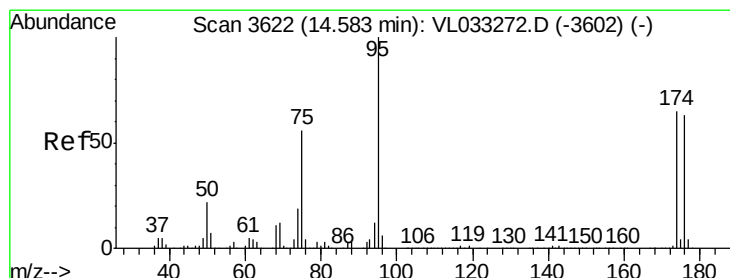
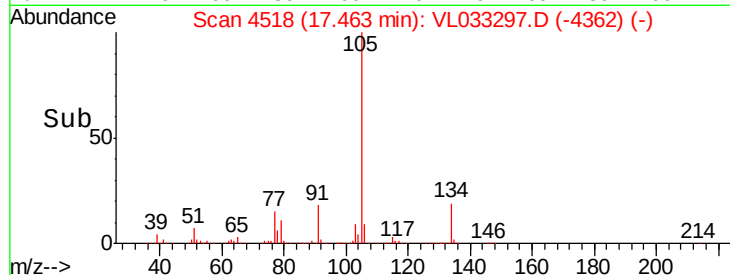
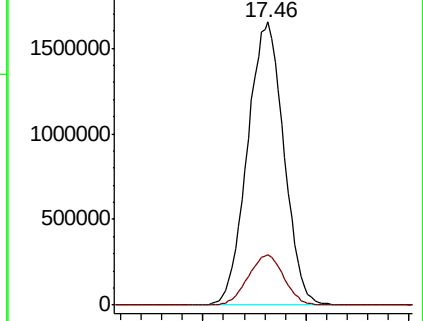
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.616 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

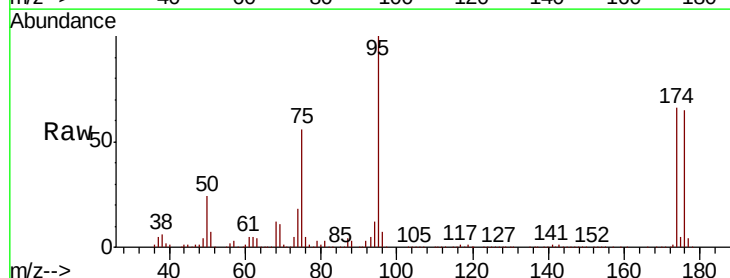
Tgt Ion: 95 Resp: 1603188

Ion Ratio Lower Upper

95 100

174 65.0 51.7 77.5

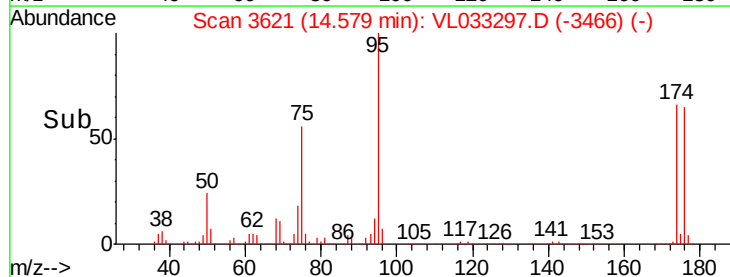
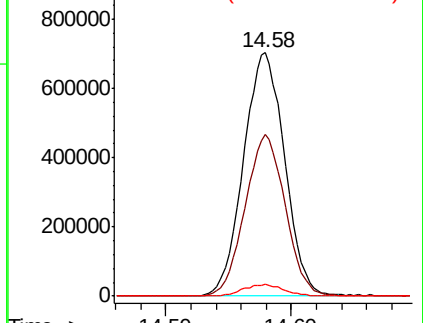
175 4.8 3.7 5.5

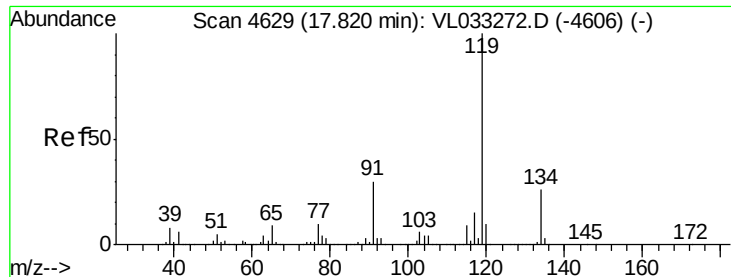


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





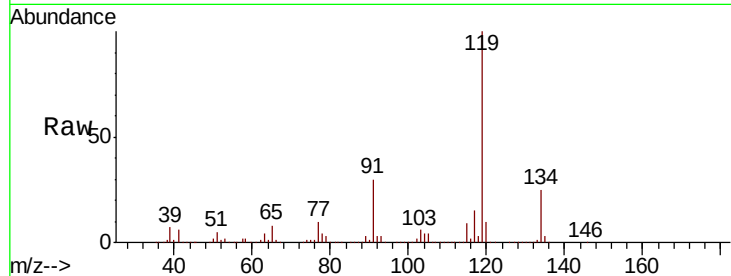
#69
p-Isopropyltoluene
Concen: 10.137 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

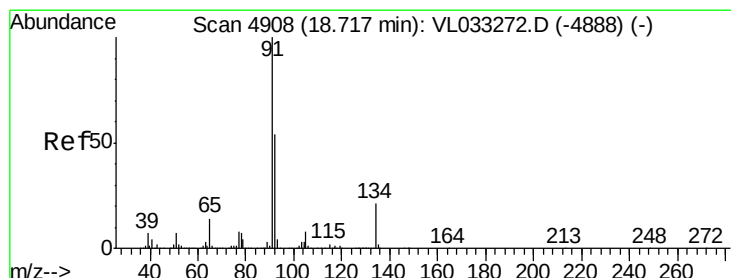
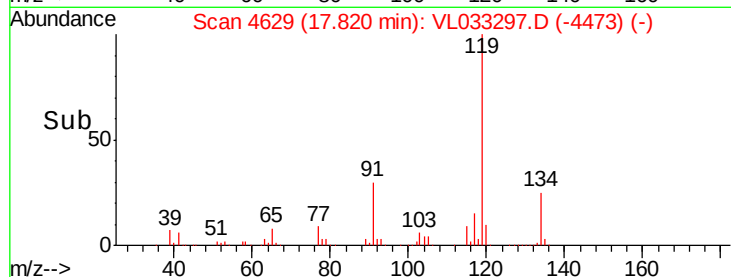
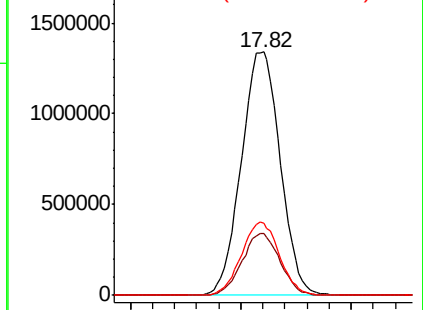
Tgt Ion: 119 Resp: 3269982
Ion Ratio Lower Upper
119 100
134 24.9 19.7 29.5
91 29.4 23.5 35.3

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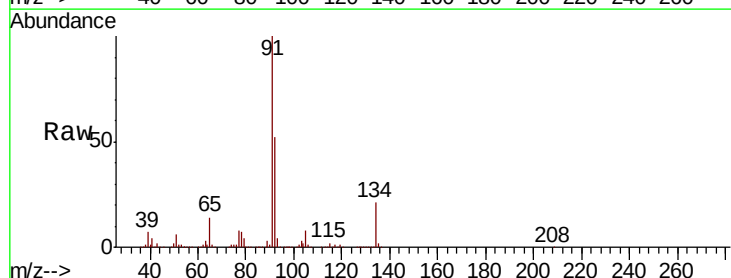


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

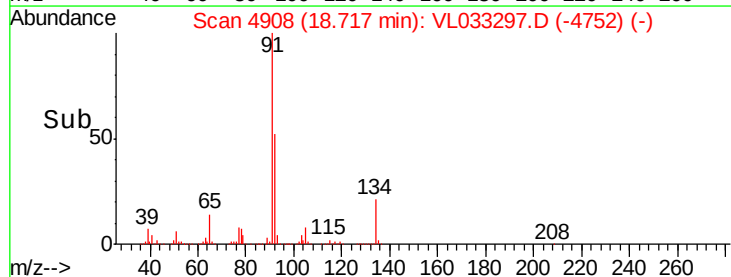
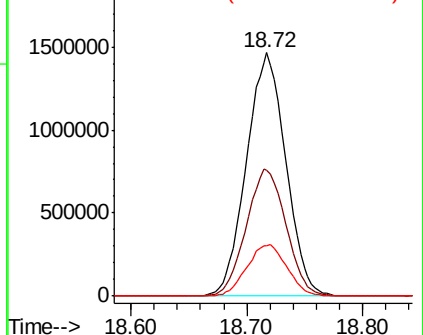


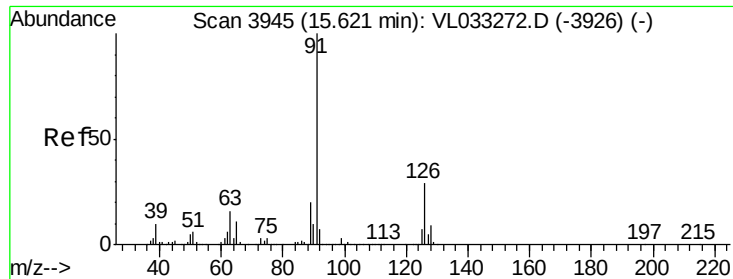
#70
n-Butylbenzene
Concen: 9.963 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion: 91 Resp: 3451033
Ion Ratio Lower Upper
91 100
92 53.0 42.4 63.6
134 21.7 17.1 25.7



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





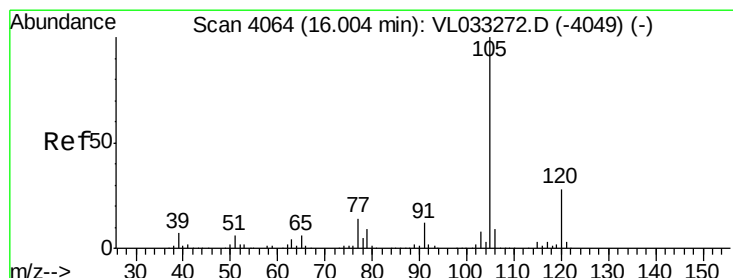
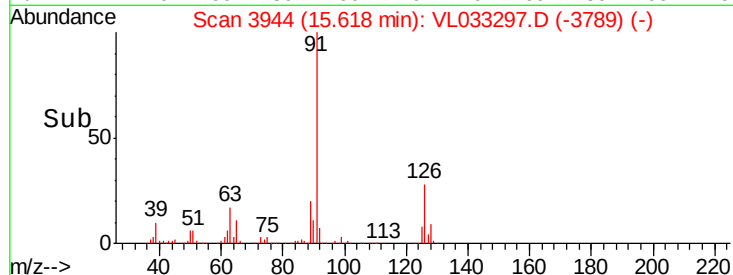
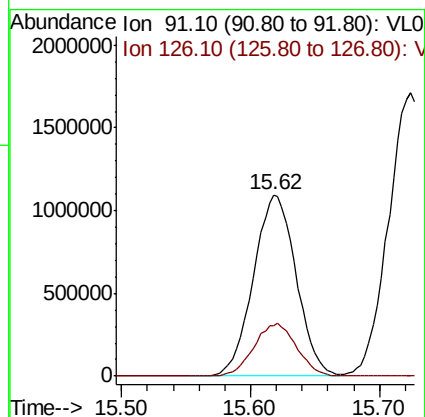
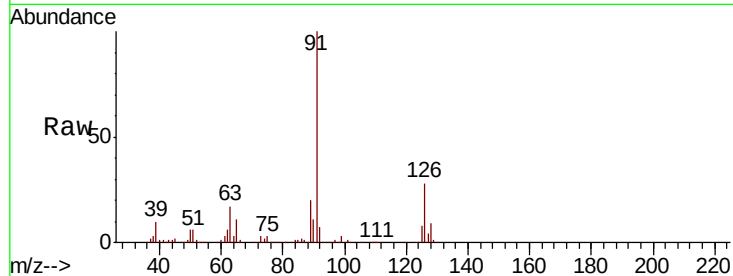
#71
 2-Chlorotoluene
 Concen: 10.078 ppbv
 RT: 15.62 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 2524856
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.7 46.7

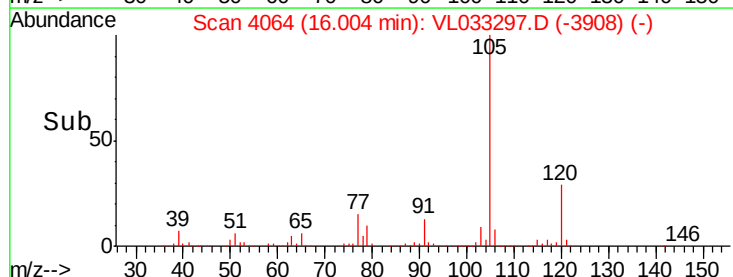
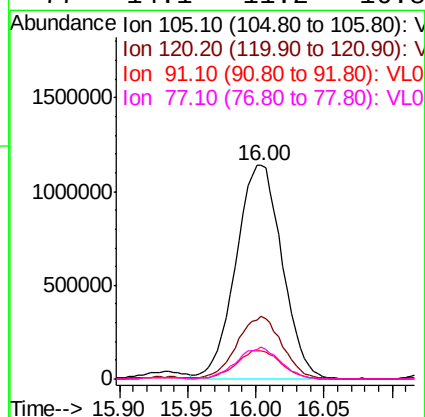
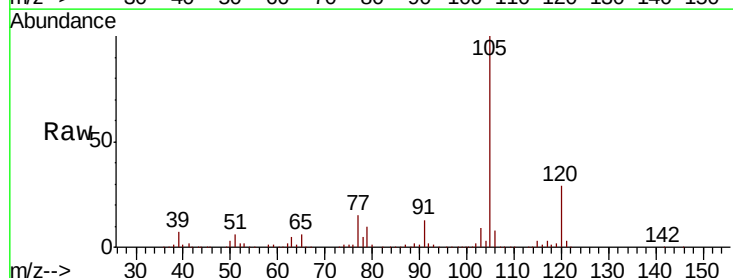
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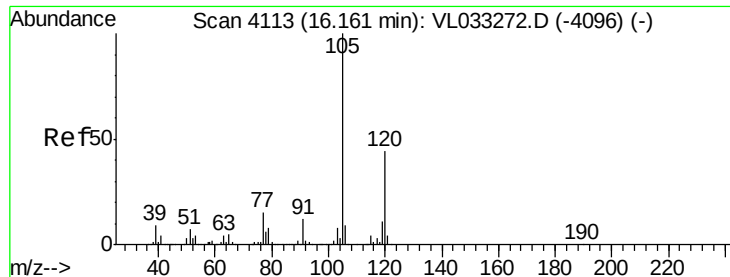
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#72
 4-Ethyltoluene
 Concen: 10.354 ppbv
 RT: 16.00 min Scan# 4064
 Delta R.T. 0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion: 105 Resp: 2667896
 Ion Ratio Lower Upper
 105 100
 120 28.7 22.9 34.3
 91 12.9 10.2 15.2
 77 14.1 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 10.474 ppbv

RT: 16.16 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2543049

Ion Ratio Lower Upper

105 100

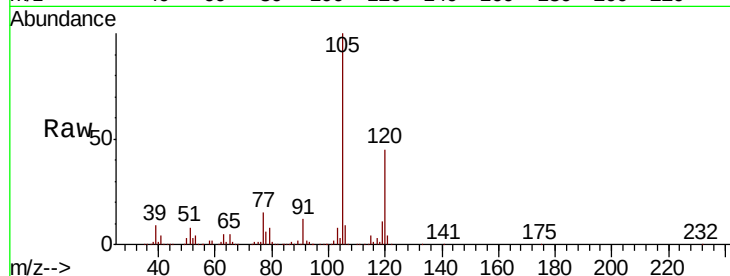
120 45.0 35.1 52.7

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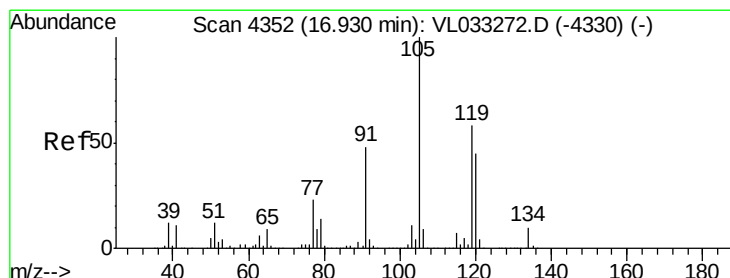
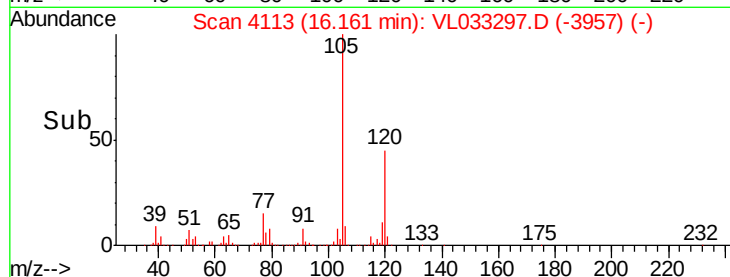
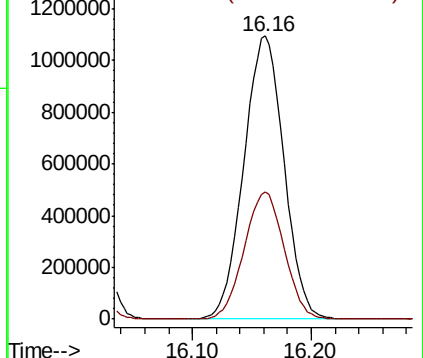
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.401 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Tgt Ion:105 Resp: 2571850

Ion Ratio Lower Upper

105 100

120 45.4 36.1 54.1

91 47.6 38.6 58.0

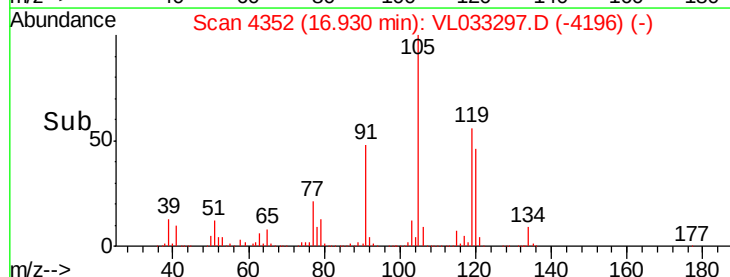
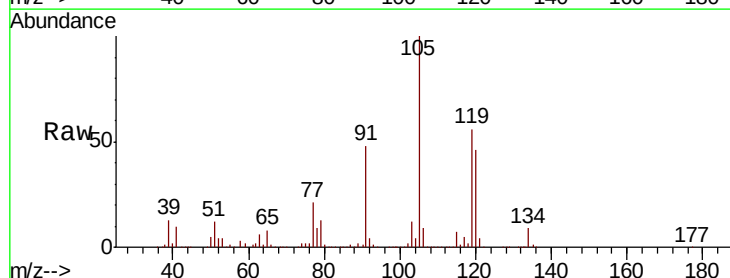
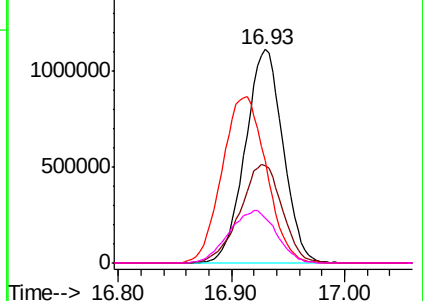
77 20.9 18.2 27.4

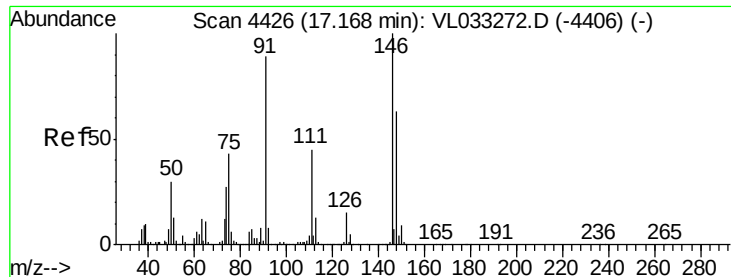
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.958 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. 0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1475746

Ion Ratio Lower Upper

146 100

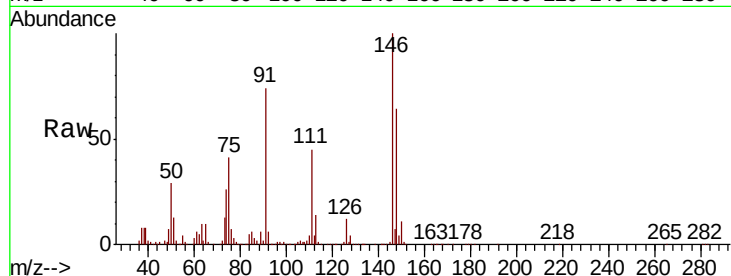
111 46.0 22.8 68.4

148 63.6 31.8 95.3

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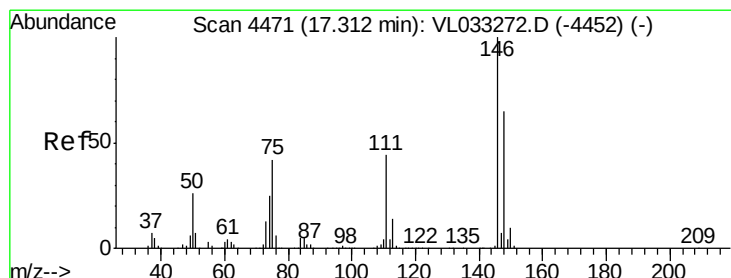
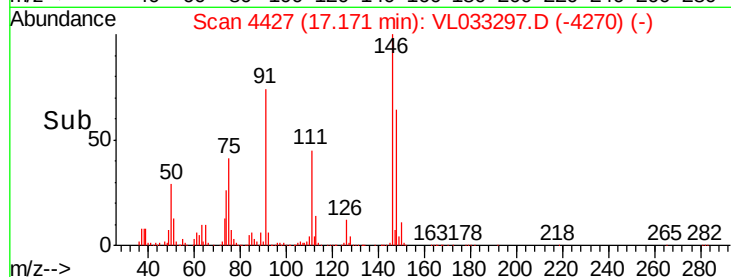
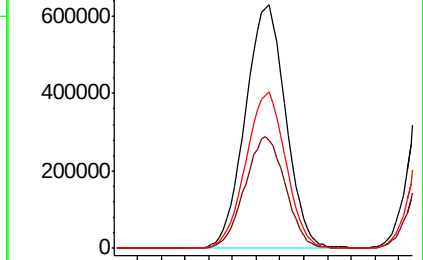
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.17



#76

1,4-Dichlorobenzene

Concen: 10.159 ppbv

RT: 17.31 min Scan# 4470

Delta R.T. -0.00 min

Lab File: VL033297.D

Acq: 13 Mar 2019 00:14

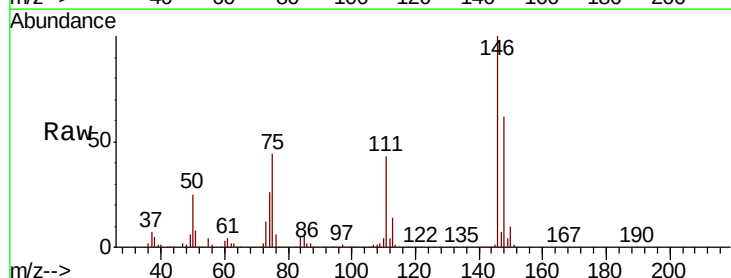
Tgt Ion:146 Resp: 1488868

Ion Ratio Lower Upper

146 100

111 44.3 22.1 66.1

148 63.6 31.8 95.3



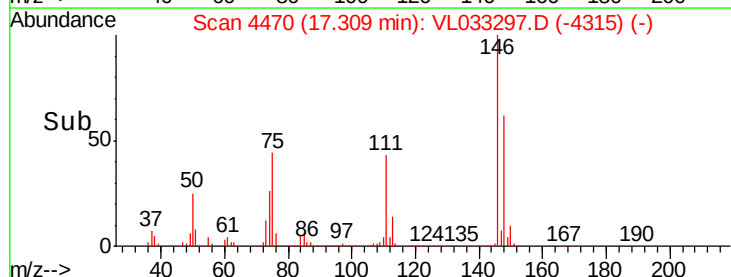
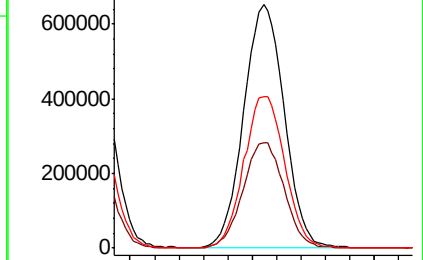
Abundance

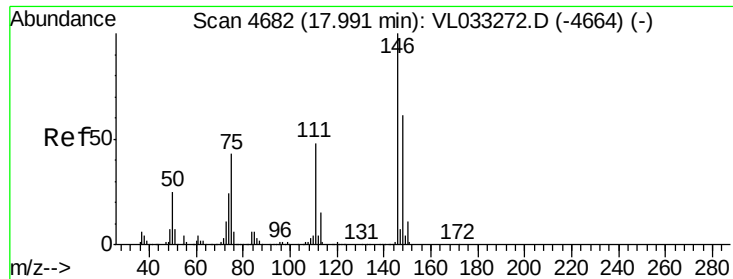
Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.31





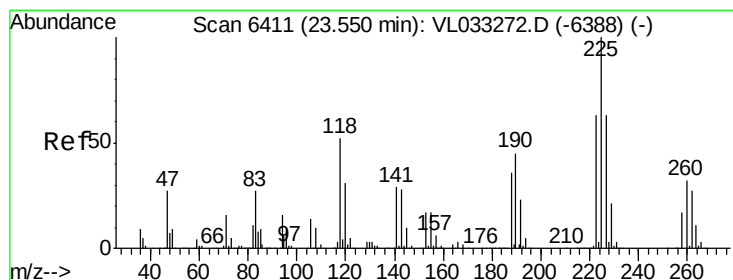
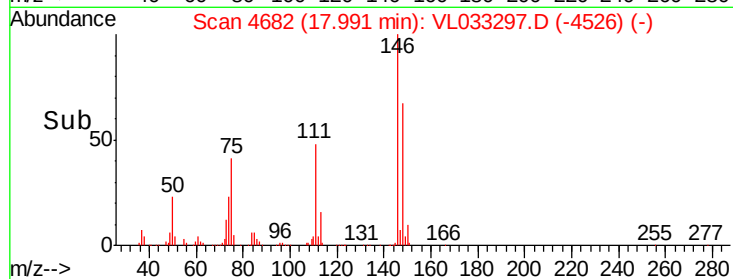
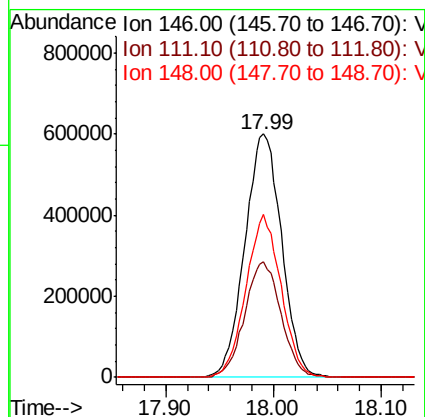
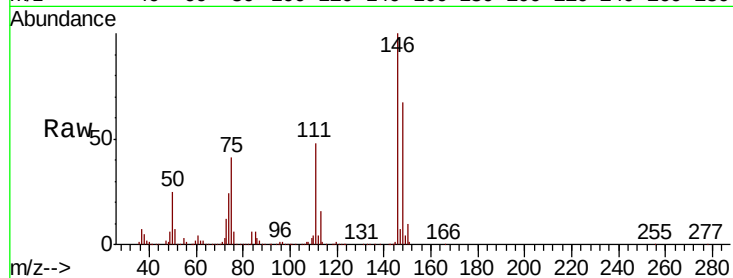
#77
 1,2-Dichlorobenzene
 Concen: 9.645 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. 0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1422988
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.5
 148 63.8 31.7 95.1

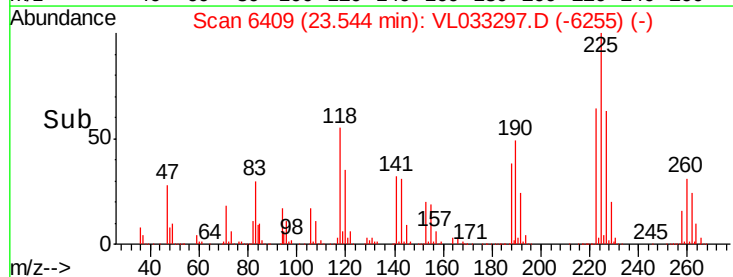
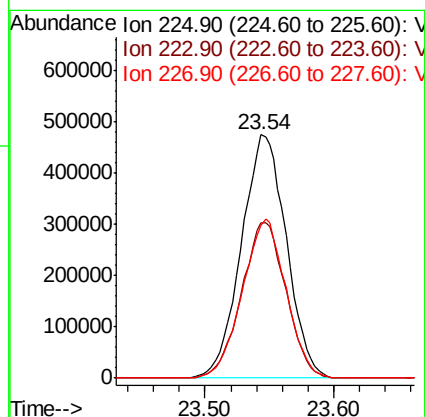
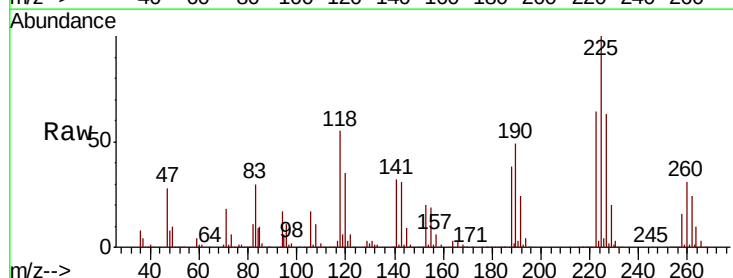
Manual Integrations
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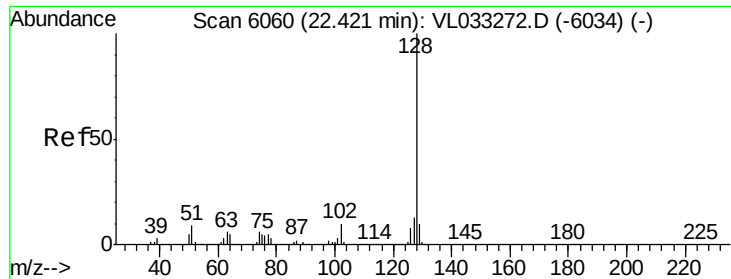
MMDadoda
 3/14/2019 5:06:38 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.341 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.01 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Tgt Ion:225 Resp: 1148094
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.3 75.5
 227 63.5 51.1 76.7





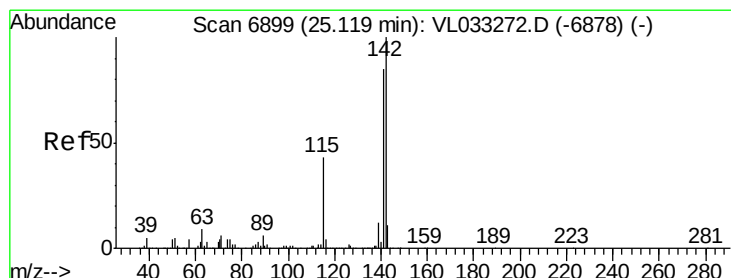
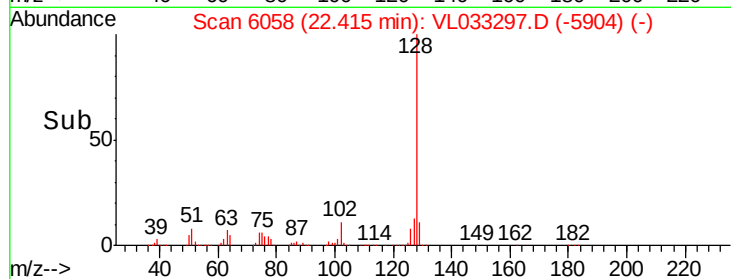
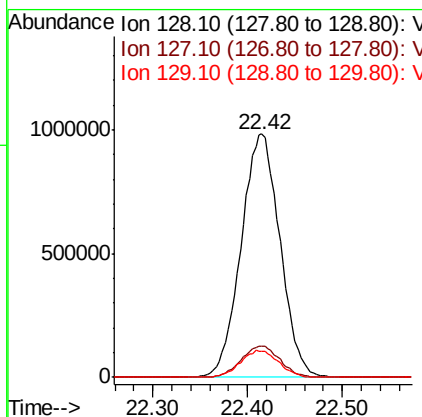
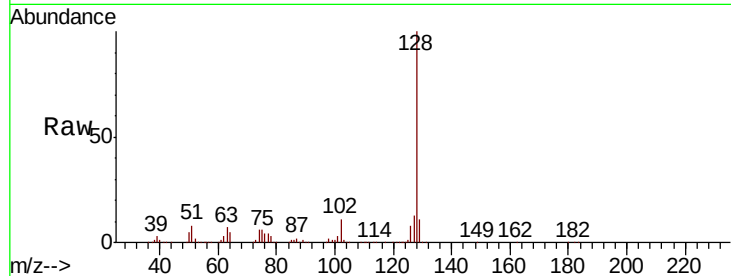
#79
Naphthalene
Concen: 10.467 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.01 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.4	12.6

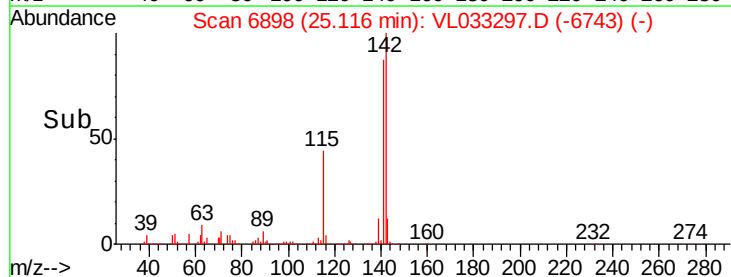
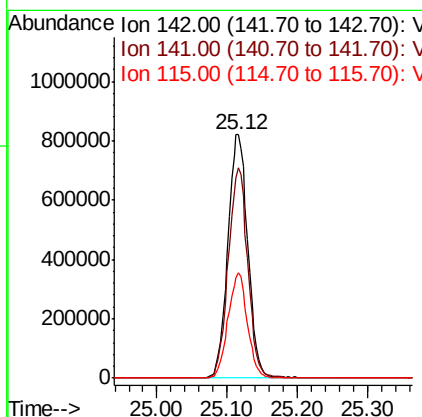
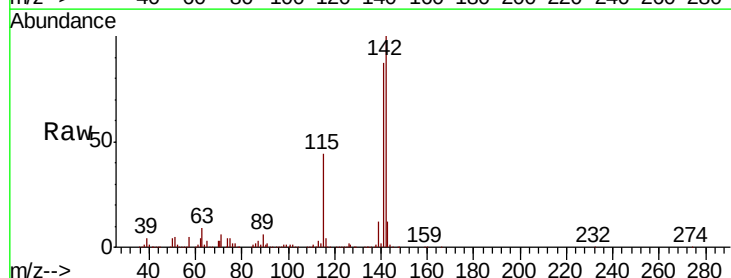
Manual Integrations
APPROVED

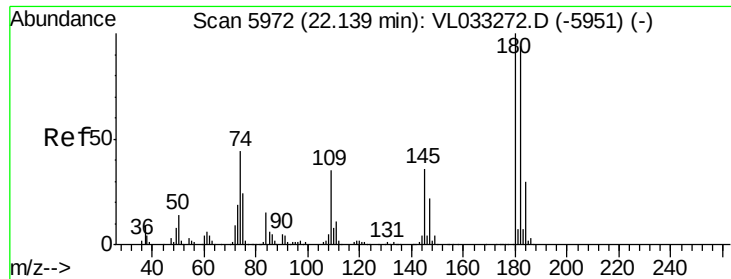
MMDadoda
3/14/2019 5:06:38 AM



#80
Naphthalene, 2-methyl-
Concen: 22.156 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.00 min
Lab File: VL033297.D
Acq: 13 Mar 2019 00:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.0	102.0
115	42.1	33.8	50.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.522 ppbv
 RT: 22.14 min Scan# 5972
 Delta R.T. 0.00 min
 Lab File: VL033297.D
 Acq: 13 Mar 2019 00:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1341897
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 184 30.4 24.2 36.4

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 5:06:38 AM

