

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101619\
 Data File : VL034298.D
 Acq On : 16 Oct 2019 12:52
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 3:03:42 PM

Quant Time: Oct 16 16:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1195379	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	2310242	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	2541989m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069538	9.37	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.03	85	1444021	8.178	ppbv	100
3) Chlorodifluoromethane	2.96	51	1344164	9.590	ppbv	97
4) Chloromethane	3.12	50	799996	9.713	ppbv	96
5) Vinyl Chloride	3.24	62	730266	9.702	ppbv	98
6) Bromomethane	3.46	94	379839	10.816	ppbv	96
7) Chloroethane	3.54	64	279043	10.606	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1625137	10.428	ppbv	95
9) Propene	2.99	41	629391	9.102	ppbv	97
10) Heptane	8.17	43	1643433	9.119	ppbv	96
11) Trichlorofluoromethane	3.94	101	1834870	11.416	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1223840	11.635	ppbv	91
13) Ethanol	3.59	45	131930	7.879	ppbv	99
14) Bromoethene	3.73	108	522348	12.146	ppbv	98
15) Acetone	3.84	43	1392298	8.690	ppbv	100
16) 1,3-Butadiene	3.31	39	695709	9.950	ppbv	99
17) tert-Butyl alcohol	4.29	59	1274593	12.556	ppbv	100
18) 1,1-Dichloroethene	4.29	96	553203	12.058	ppbv	89
19) Isopropyl Alcohol	3.96	45	1094406	11.108	ppbv	100
20) Methylene Chloride	4.35	84	491085	10.631	ppbv	90
21) Allyl Chloride	4.41	41	979794	10.827	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	568565	12.387	ppbv	92
23) Vinyl Acetate	5.09	43	2222721	9.415	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1546546	9.729	ppbv	99
25) Ethyl Acetate	5.70	43	2747515	9.069	ppbv	99
26) Hexane	5.71	57	1173691	9.313	ppbv	99
27) Carbon Disulfide	4.56	76	1421709	12.232	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1899055	10.146	ppbv	98
29) Chloroform	5.78	83	1864429	10.353	ppbv	97
30) Cyclohexane	7.17	84	933001	10.254	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	1285481	10.006	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1846041	10.629	ppbv	96
34) 2-Butanone	5.26	43	1872464	7.938	ppbv	96
35) Carbon Tetrachloride	7.06	117	1939756	10.106	ppbv	98
36) Benzene	6.93	78	2203064	8.634	ppbv	100
37) 1,2-Dichloroethane	6.34	62	1630321	8.983	ppbv	100
38) Trichloroethene	7.88	130	863416	9.471	ppbv	92
39) 1,2-Dichloropropane	7.65	63	952849	8.311	ppbv	96
40) 1,4-Dioxane	7.87	88	361622	9.747	ppbv #	80
41) Tetrahydrofuran	6.07	42	1108457	8.343	ppbv	96
42) Bromodichloromethane	7.84	83	2052690	9.425	ppbv #	99
43) Methyl Methacrylate	8.06	69	971282	9.215	ppbv	93

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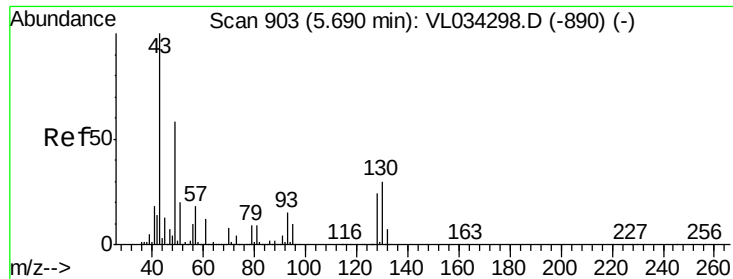
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	4010930	8.166	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1317390	10.571	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1472647	9.823	ppbv	95
47) 1,1,2-Trichloroethane	9.53	97	947896	9.208	ppbv	96
48) Dibromochloromethane	10.37	129	1706084	10.456	ppbv	99
49) Bromoform	13.12	173	1557384	11.795	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2789857	8.127	ppbv	100
51) 2-Hexanone	10.19	43	2365042	8.209	ppbv	99
52) Tetrachloroethene	11.29	164	850416	10.088	ppbv	96
53) Toluene	9.86	91	2561167	9.185	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1434150	9.368	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	1110679	9.797	ppbv	97
57) Chlorobenzene	12.22	112	1951633	8.818	ppbv	94
58) Ethyl Benzene	12.78	91	3512503	8.564	ppbv	98
59) m/p-Xylene	13.07	91	5890552m	17.339	ppbv	
60) o-Xylene	13.76	91	2919700	8.595	ppbv	99
61) Styrene	13.60	104	2210429	9.084	ppbv	98
62) Isopropylbenzene	14.74	105	3824150	8.696	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	2074939	7.449	ppbv	99
64) n-propylbenzene	15.64	120	1005437	9.037	ppbv	98
65) tert-Butylbenzene	16.82	119	3428330	8.922	ppbv	96
66) Benzyl Chloride	17.07	91	1725836	12.696	ppbv	99
67) sec-Butylbenzene	17.37	105	4717059	8.585	ppbv	98
69) p-Isopropyltoluene	17.73	119	3957074	8.894	ppbv	98
70) n-Butylbenzene	18.63	91	4255892	8.215	ppbv	99
71) 2-Chlorotoluene	15.53	91	3077949	8.567	ppbv	97
72) 4-Ethyltoluene	15.92	105	3398233	8.854	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3284600	8.859	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3372126	8.565	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1964229	9.299	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1974415	9.127	ppbv	98
77) 1,2-Dichlorobenzene	17.90	146	1917513	8.969	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	1459304	10.305	ppbv	99
79) Naphthalene	22.31	128	2837730m	8.188	ppbv	
80) Naphthalene, 2-methyl-	25.05	142	943049	5.851	ppbv	94
81) 1,2,4-Trichlorobenzene	22.03	180	1726381	8.992	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1195379

Ion Ratio Lower Upper

49 100

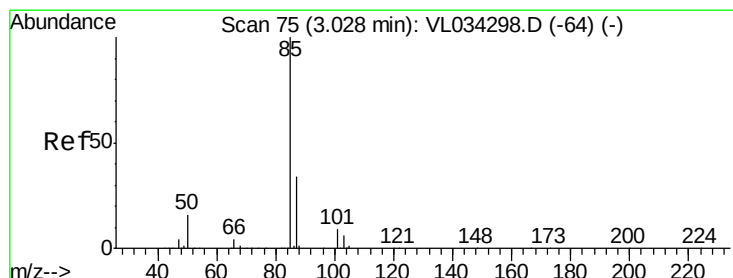
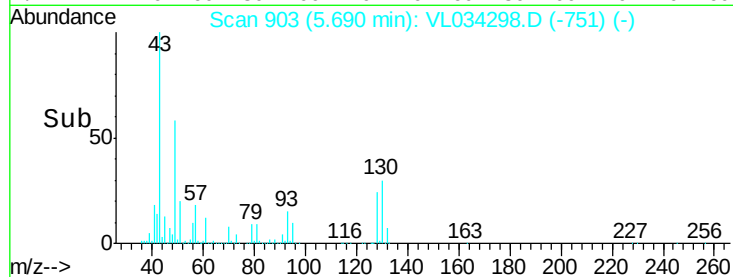
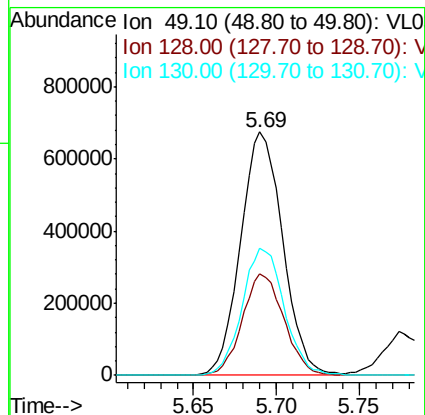
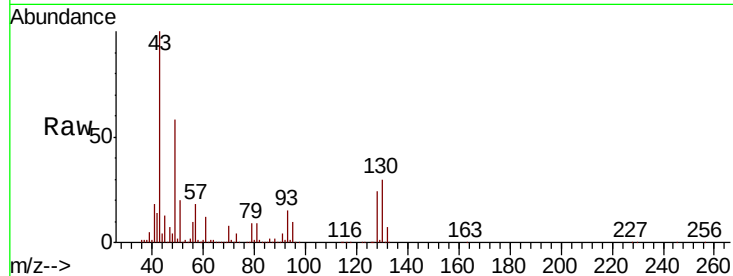
128 41.2 17.6 52.9

130 52.3 22.3 66.9

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#2

Dichlorodifluoromethane

Concen: 8.178 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034298.D

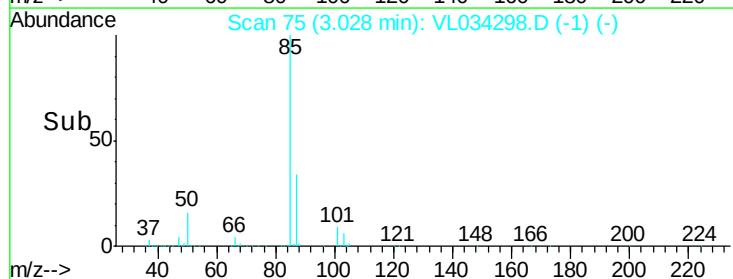
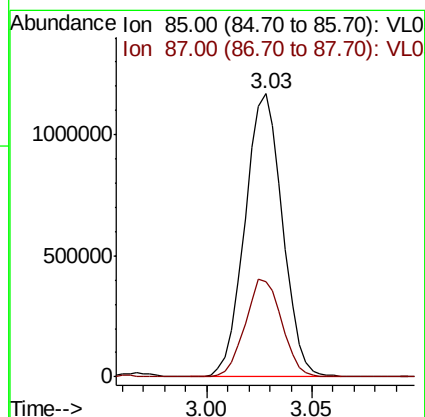
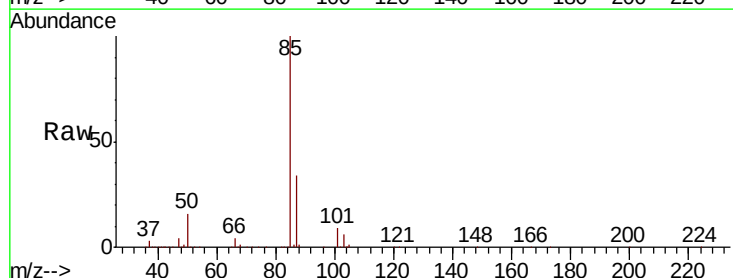
Acq: 16 Oct 2019 12:52

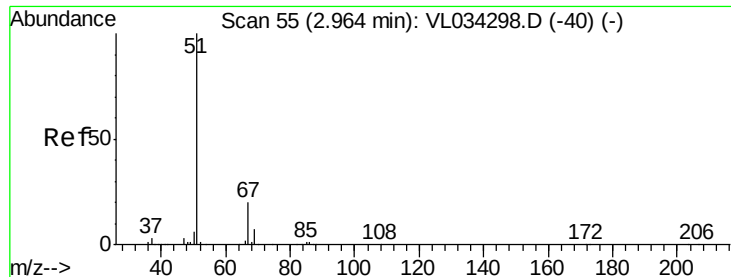
Tgt Ion: 85 Resp: 1444021

Ion Ratio Lower Upper

85 100

87 33.8 27.2 40.8





#3

Chlorodifluoromethane

Concen: 9.590 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1344164

Ion Ratio Lower Upper

51 100

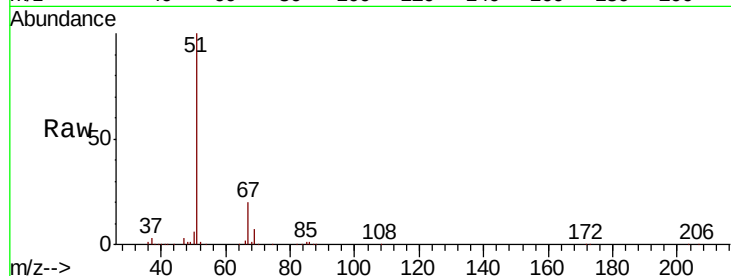
67 19.8 14.8 22.2

Manual Integrations

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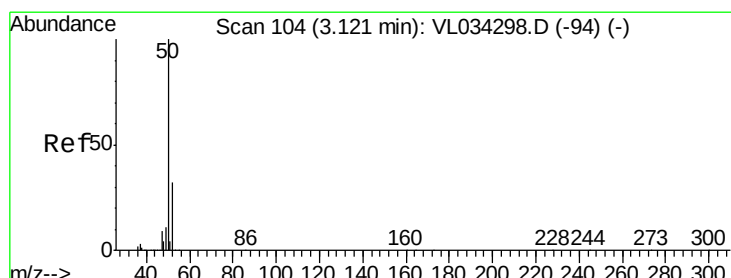
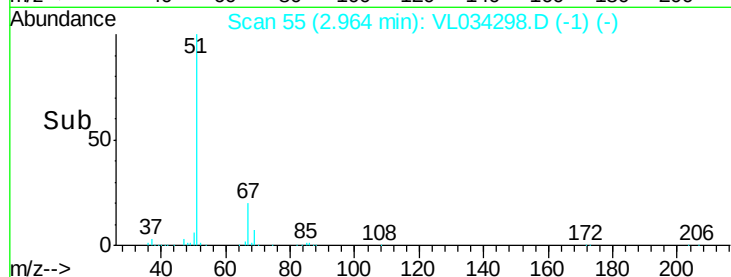
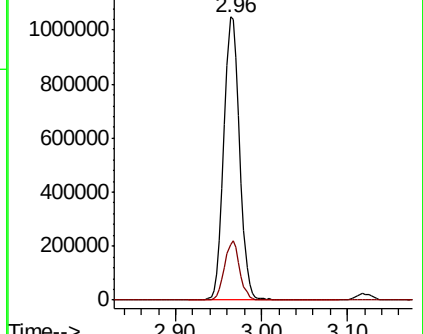
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.713 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034298.D

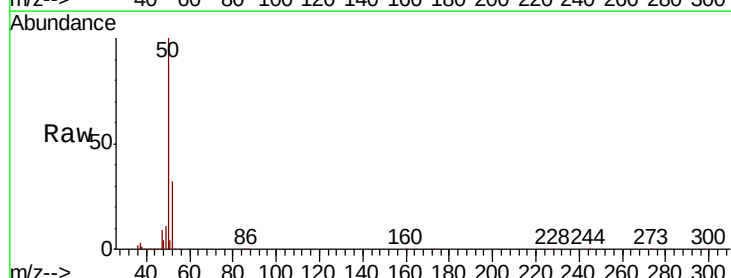
Acq: 16 Oct 2019 12:52

Tgt Ion: 50 Resp: 799996

Ion Ratio Lower Upper

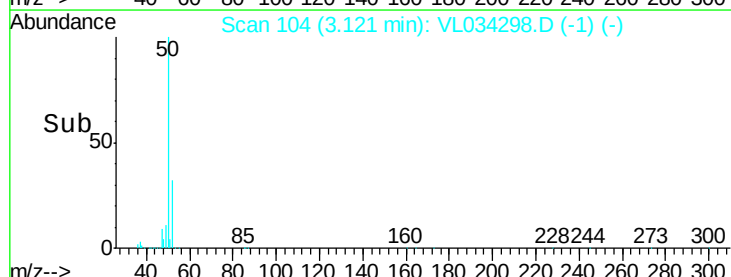
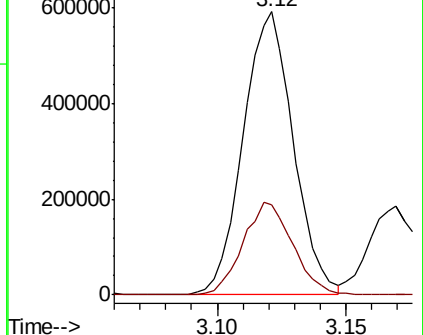
50 100

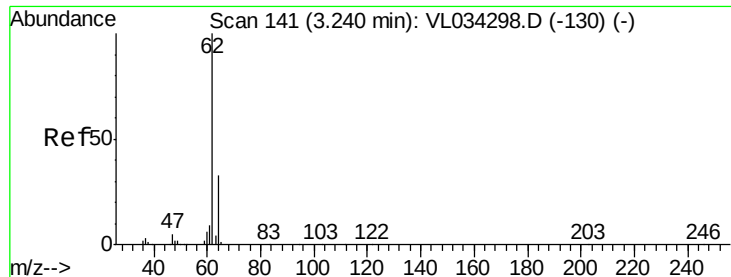
52 31.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.702 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 730266

Ion Ratio Lower Upper

62 100

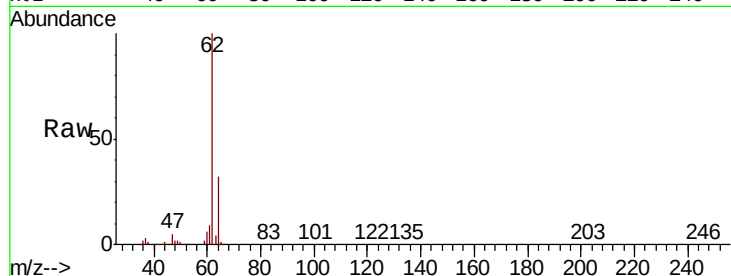
64 32.5 25.2 37.8

Manual Integrations

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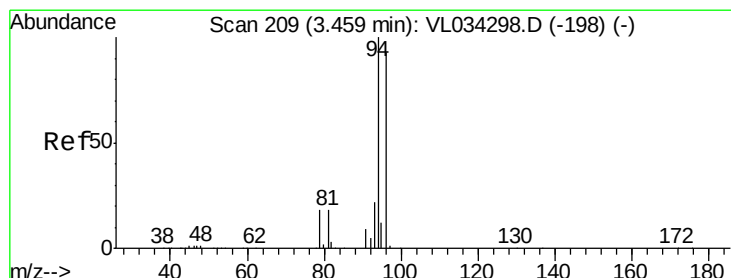
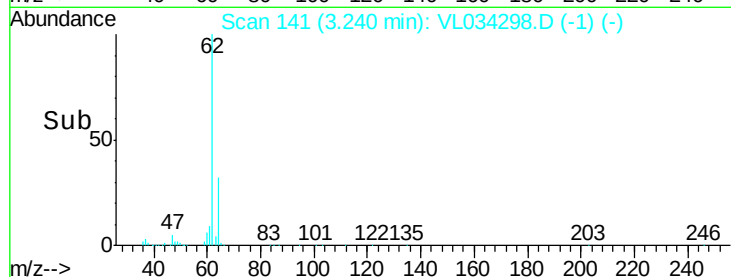
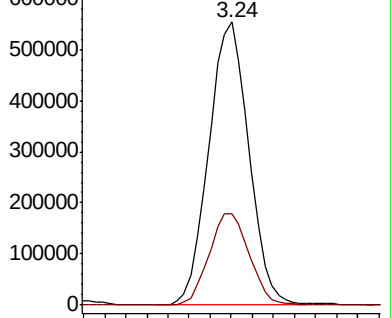
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.816 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL034298.D

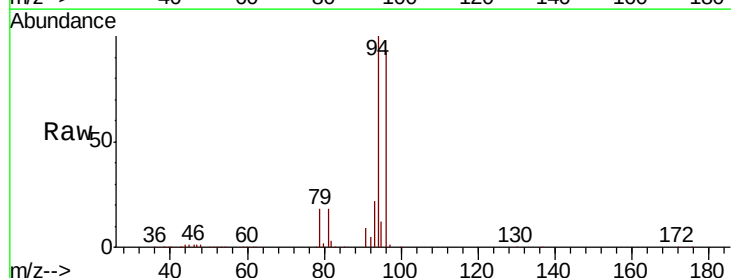
Acq: 16 Oct 2019 12:52

Tgt Ion: 94 Resp: 379839

Ion Ratio Lower Upper

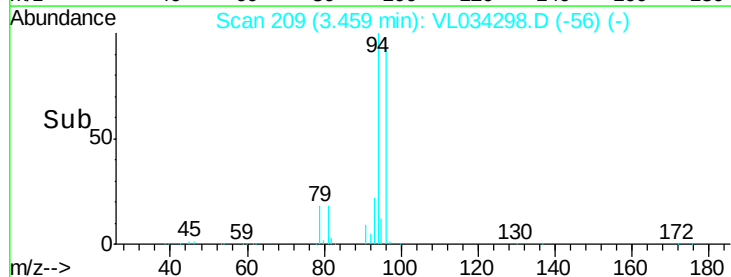
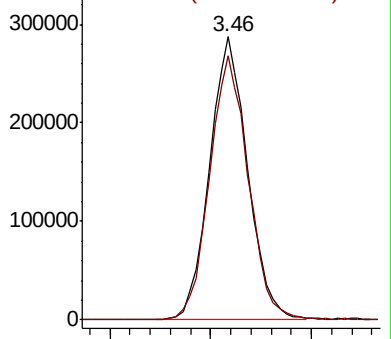
94 100

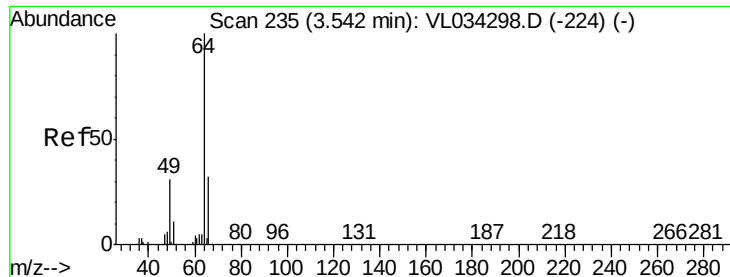
96 93.3 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.606 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 279043

Ion Ratio Lower Upper

64 100

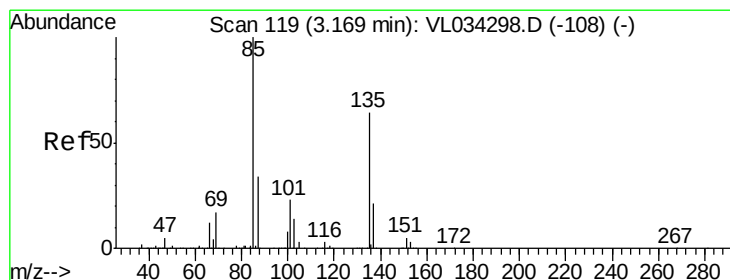
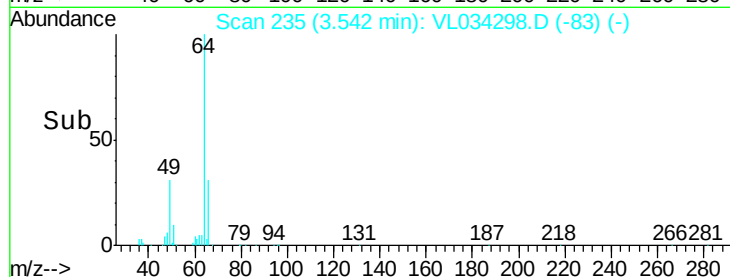
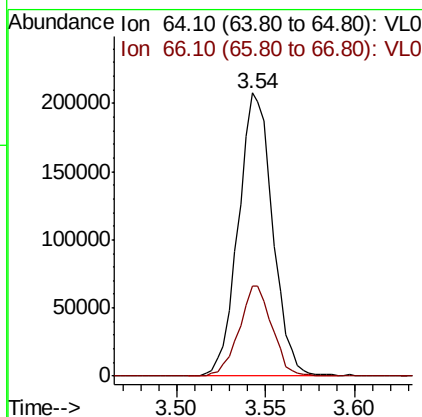
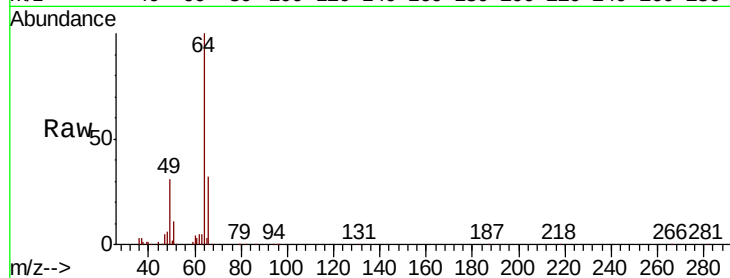
66 31.7 24.2 36.4

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#8

Dichlorotetrafluoroethane

Concen: 10.428 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034298.D

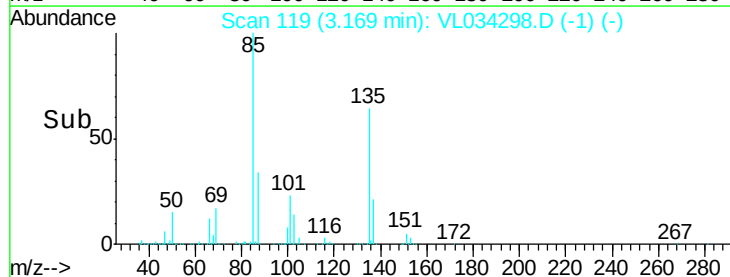
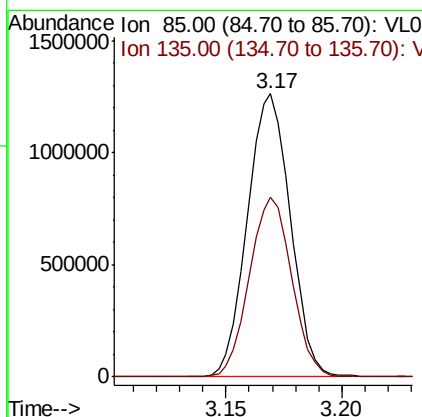
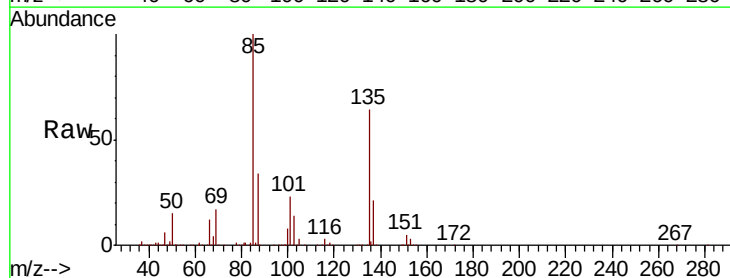
Acq: 16 Oct 2019 12:52

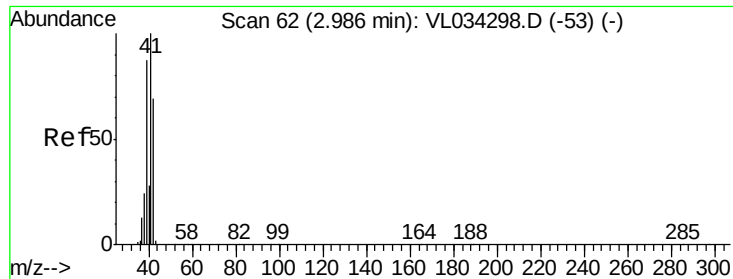
Tgt Ion: 85 Resp: 1625137

Ion Ratio Lower Upper

85 100

135 62.7 47.3 70.9





#9

Propene

Concen: 9.102 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

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Acq: 16 Oct 2019 12:52

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 629391

Ion Ratio Lower Upper

41 100

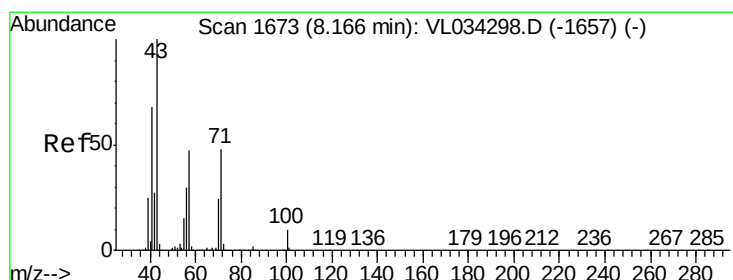
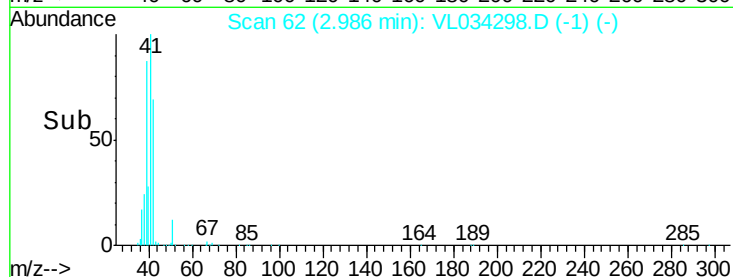
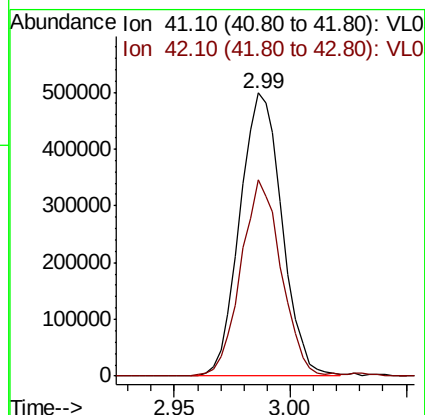
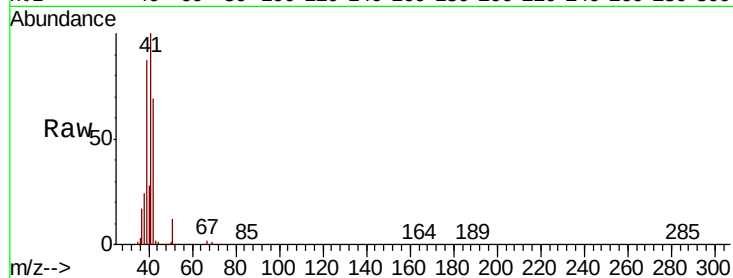
42 67.4 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 9.119 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. -0.02 min

Lab File: VL034298.D

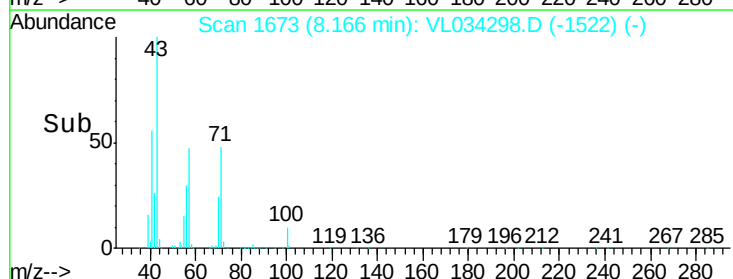
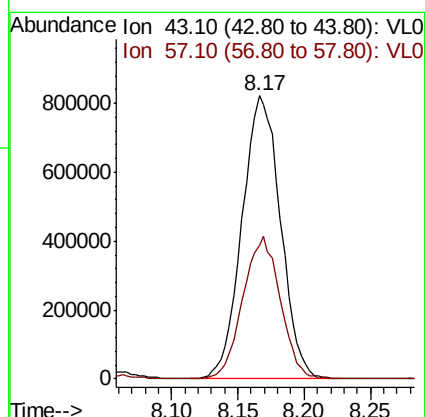
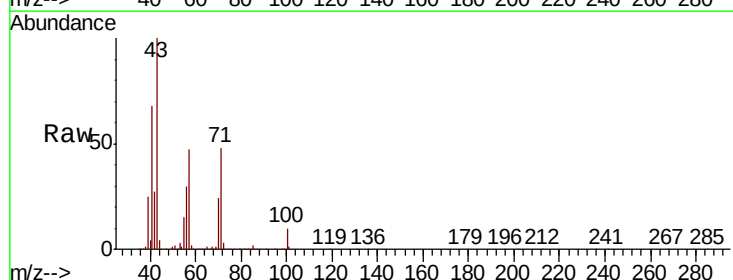
Acq: 16 Oct 2019 12:52

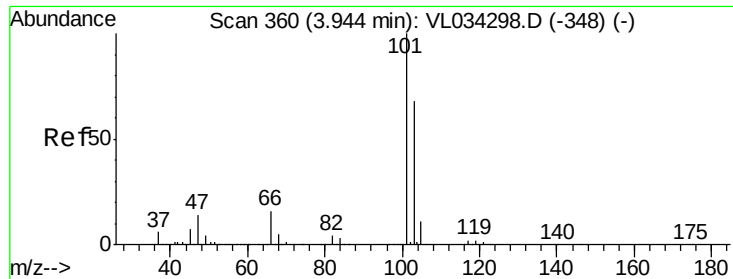
Tgt Ion: 43 Resp: 1643433

Ion Ratio Lower Upper

43 100

57 49.4 37.5 56.3





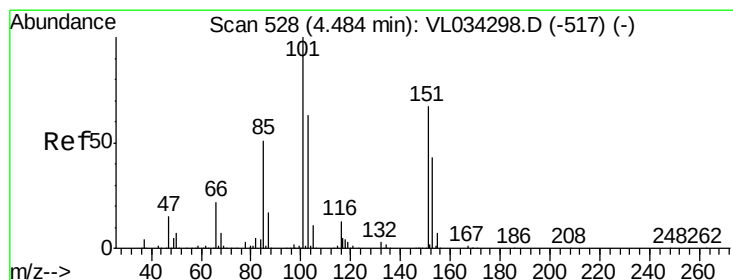
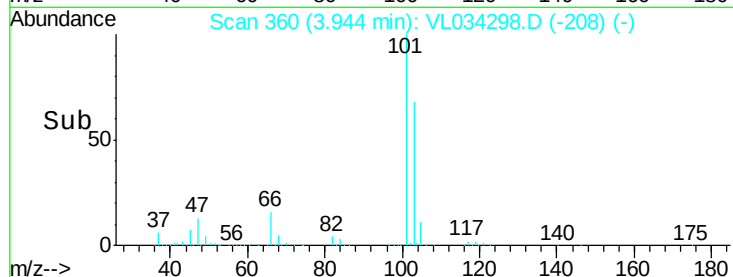
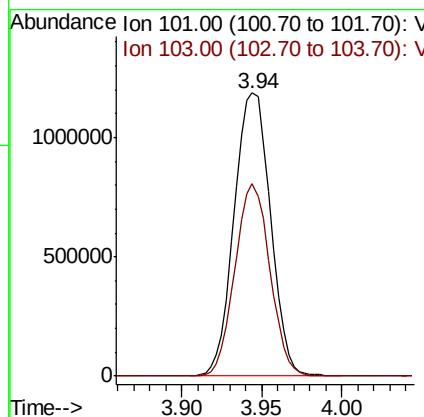
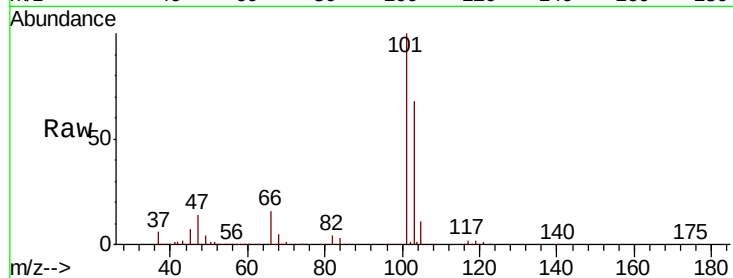
#11
 Trichlorofluoromethane
 Concen: 11.416 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1834870
 Ion Ratio Lower Upper
 101 100
 103 68.1 52.1 78.1

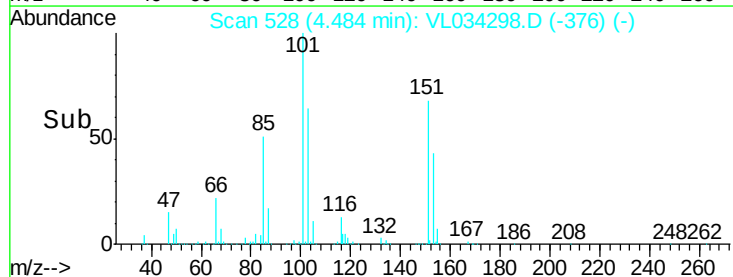
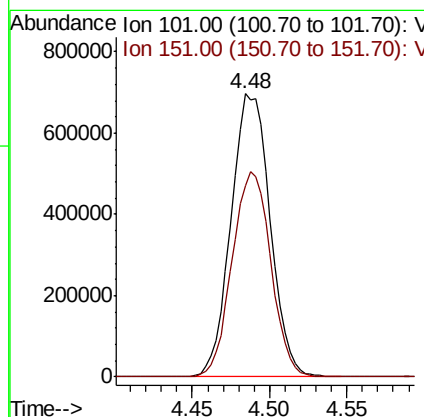
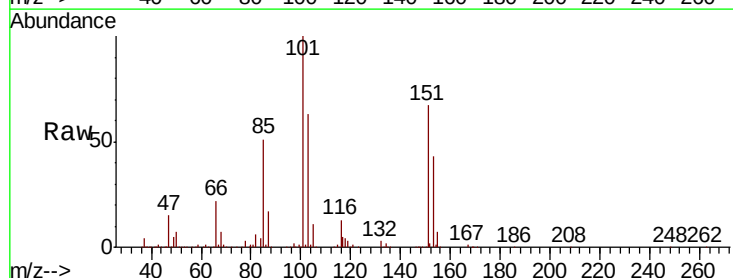
Manual Integrations
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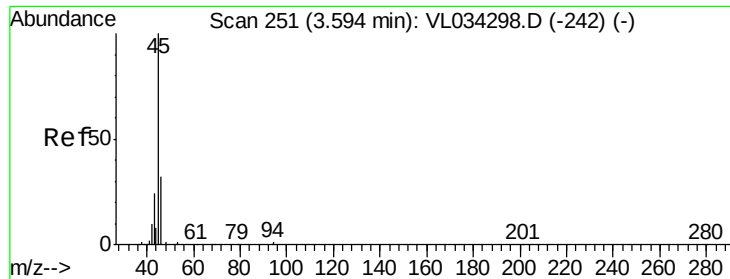
MMDadoda
 10/18/2019 3:03:42 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.635 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion:101 Resp: 1223840
 Ion Ratio Lower Upper
 101 100
 151 71.8 51.8 77.8





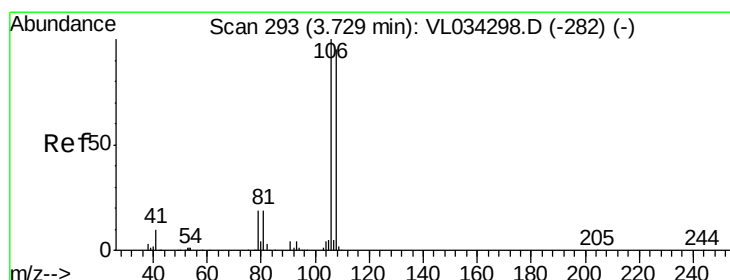
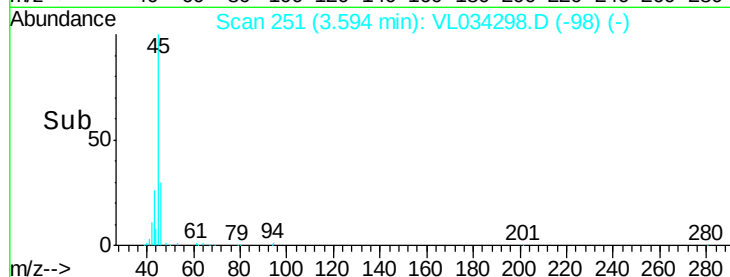
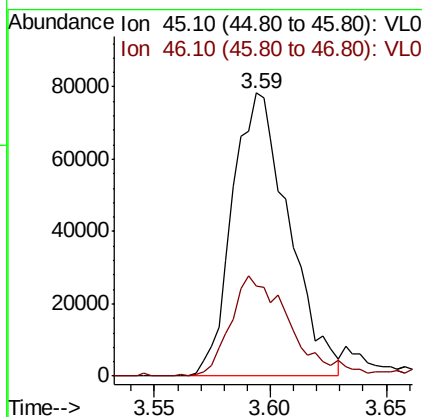
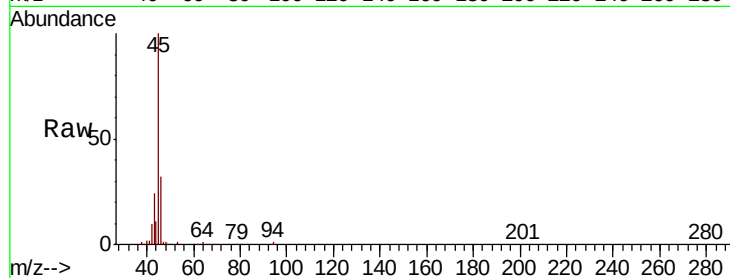
#13
Ethanol
Concen: 7.879 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	39.5	15.5	61.9

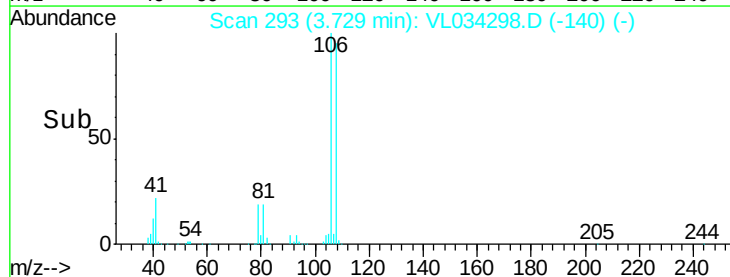
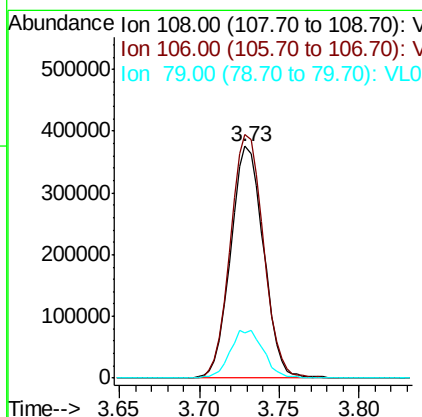
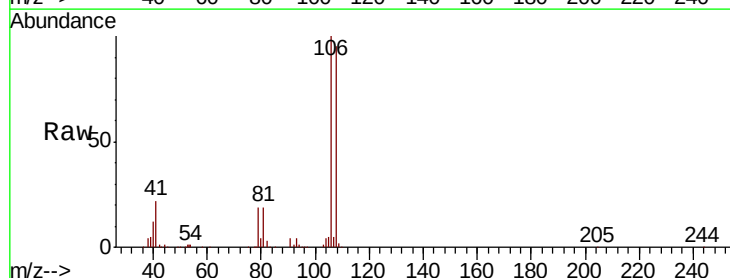
Manual Integrations
APPROVED

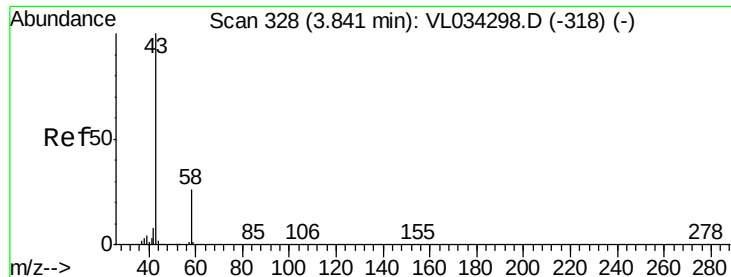
MMDadoda
10/18/2019 3:03:42 PM



#14
Bromoethene
Concen: 12.146 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.0	86.2	129.4
79	21.2	18.6	27.8





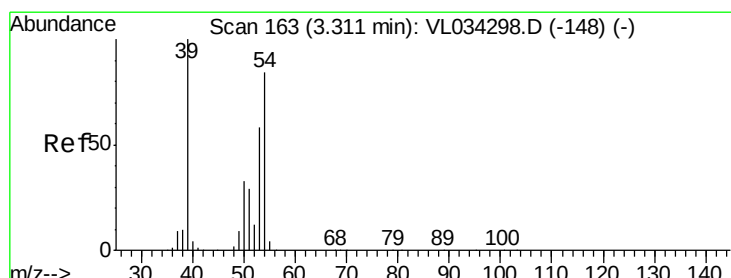
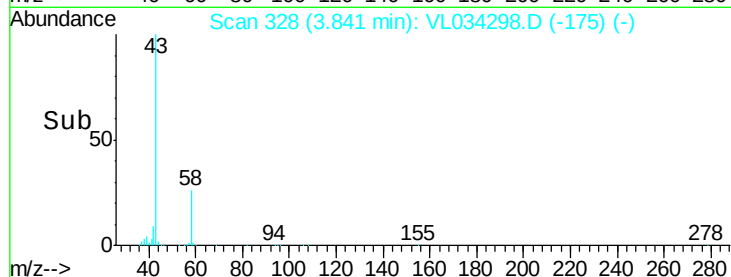
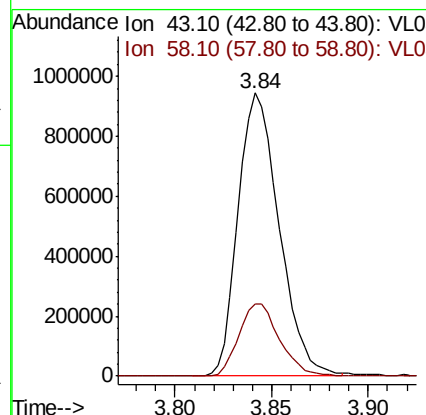
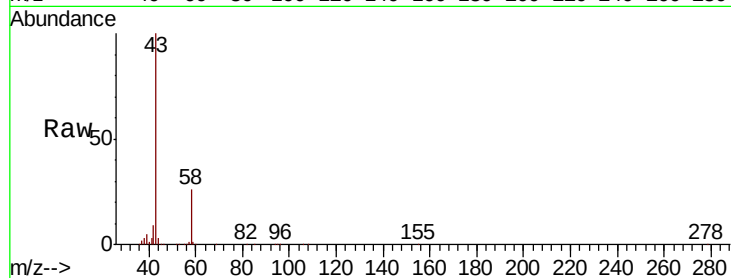
#15
Acetone
Concen: 8.690 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1392298
Ion Ratio Lower Upper
43 100
58 25.5 20.5 30.7

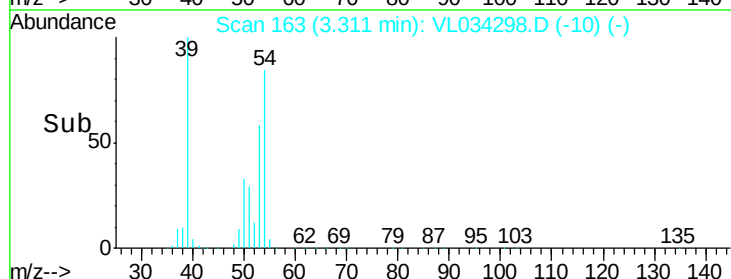
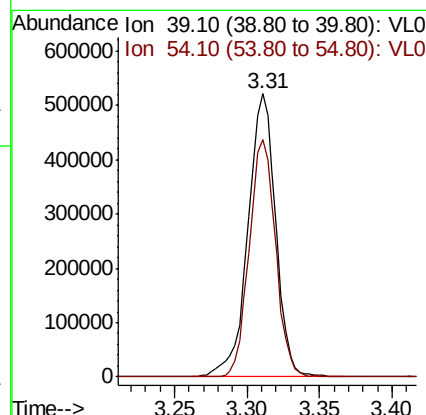
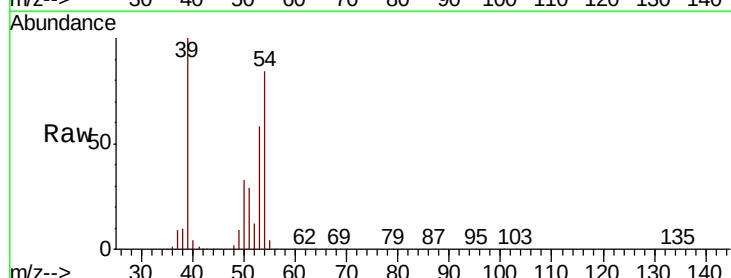
Manual Integrations
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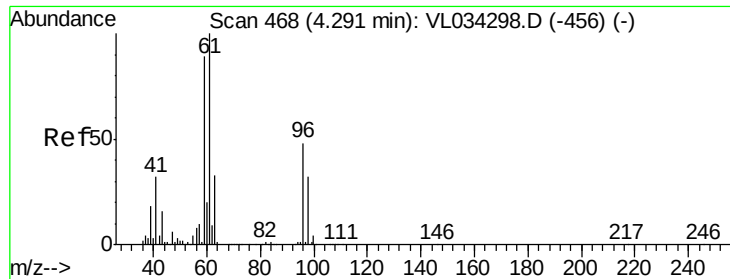
MMDadoda
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#16
1,3-Butadiene
Concen: 9.950 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 39 Resp: 695709
Ion Ratio Lower Upper
39 100
54 79.9 63.4 95.0





#17

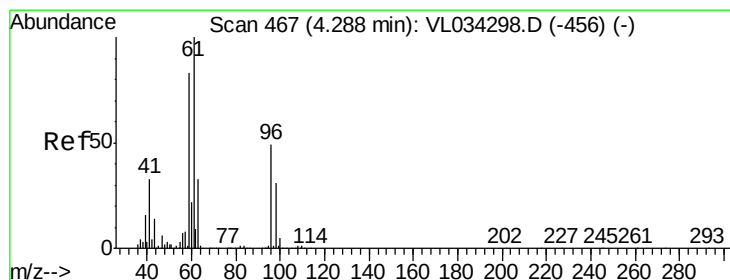
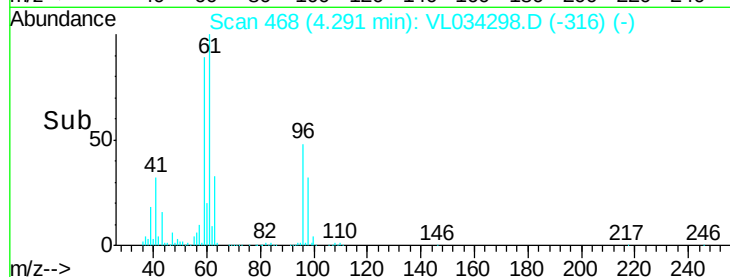
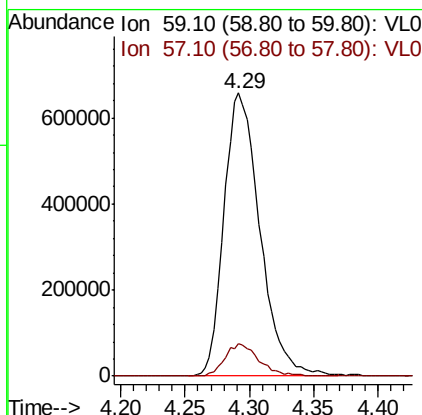
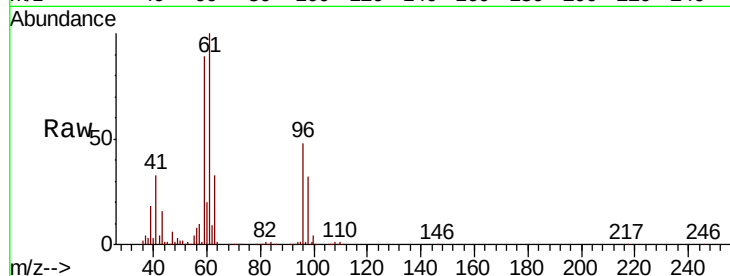
tert-Butyl alcohol
Concen: 12.556 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 59 Resp: 1274593
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

Manual Integrations
APPROVED

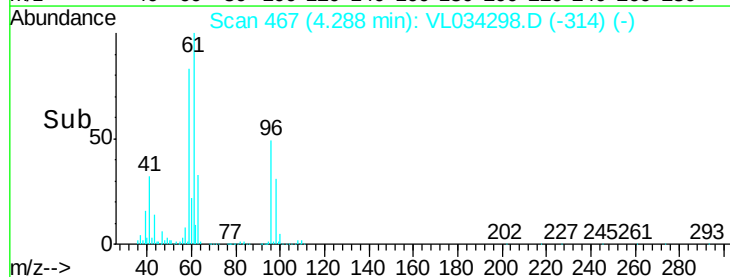
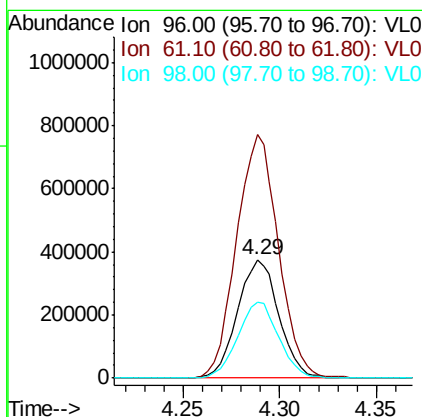
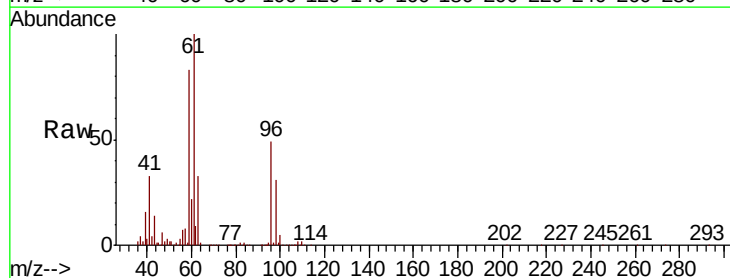
MMDadoda
10/18/2019 3:03:42 PM

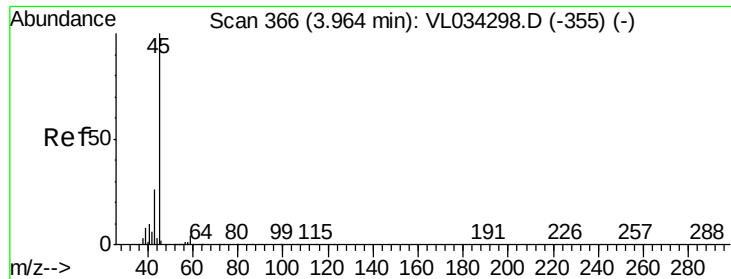


#18

1,1-Dichloroethene
Concen: 12.058 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 96 Resp: 553203
Ion Ratio Lower Upper
96 100
61 205.6 183.3 274.9
98 64.6 51.4 77.2





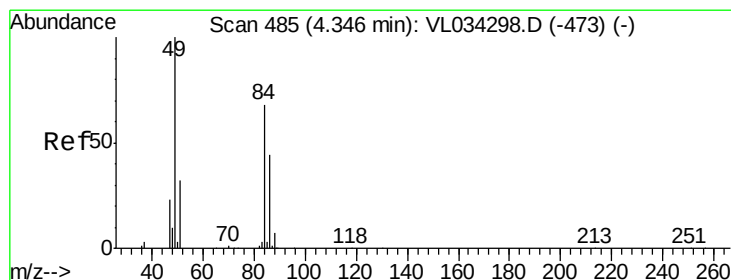
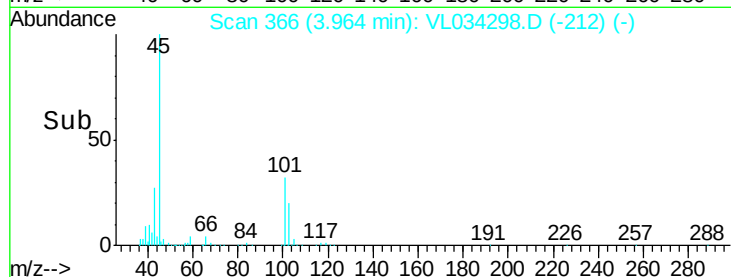
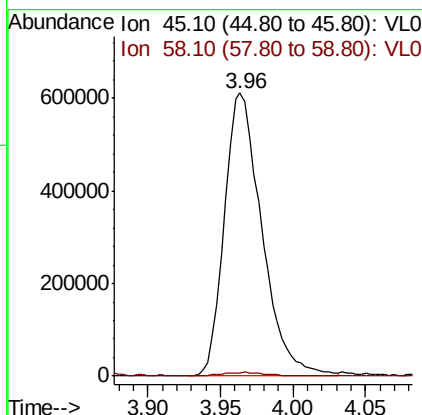
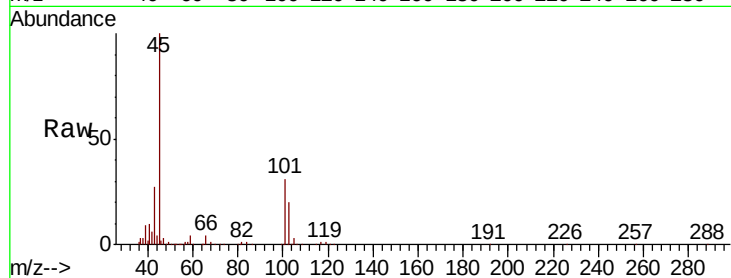
#19
Isopropyl Alcohol
Concen: 11.108 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 1094406
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.0

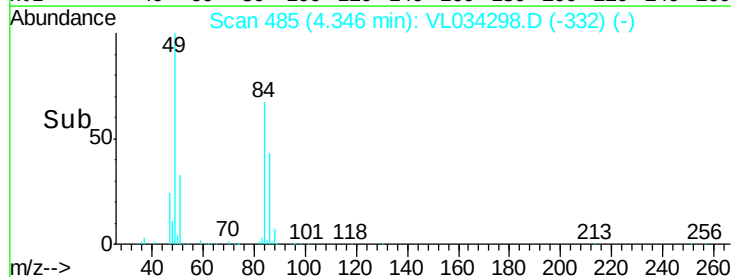
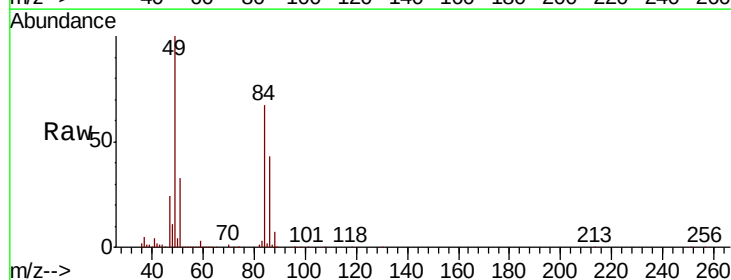
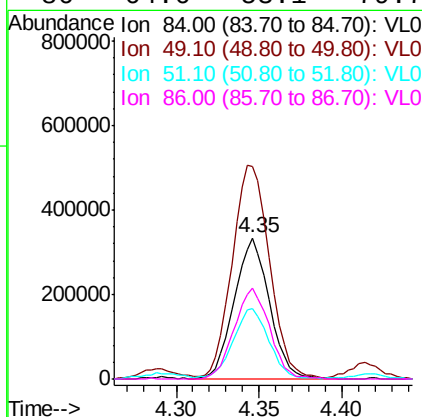
Manual Integrations
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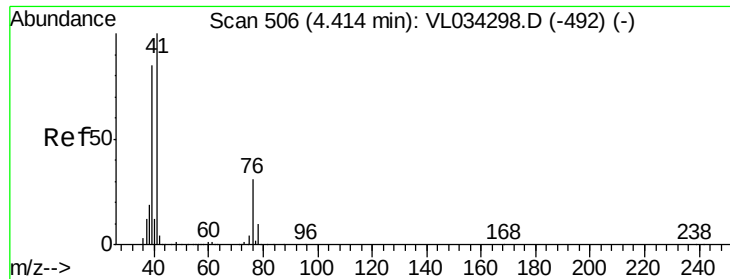
MMDadoda
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#20
Methylene Chloride
Concen: 10.631 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 84 Resp: 491085
Ion Ratio Lower Upper
84 100
49 148.1 133.8 200.8
51 48.5 43.6 65.4
86 64.6 53.1 79.7





#21

Allvl Chloride

Concen: 10.827 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

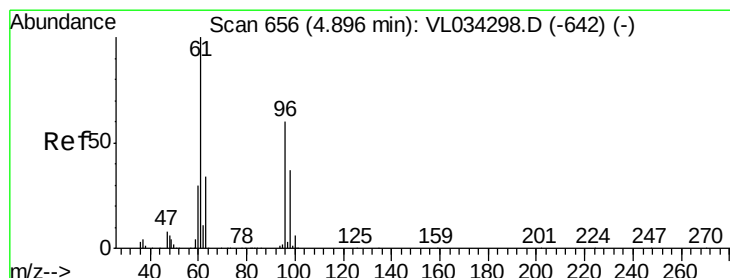
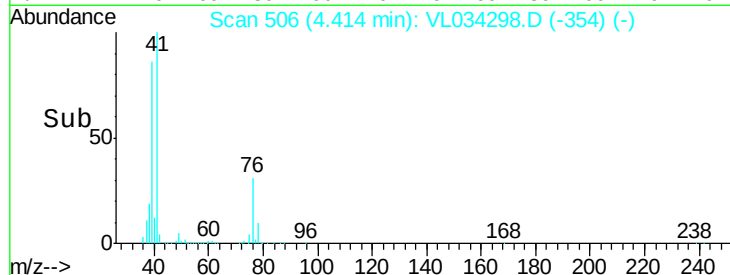
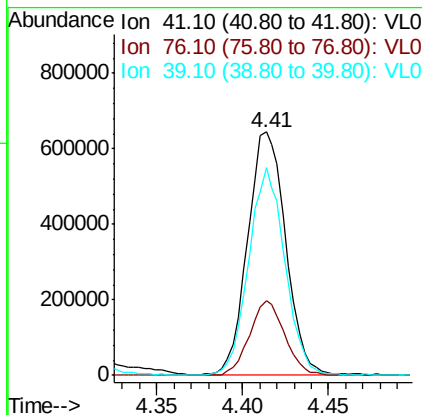
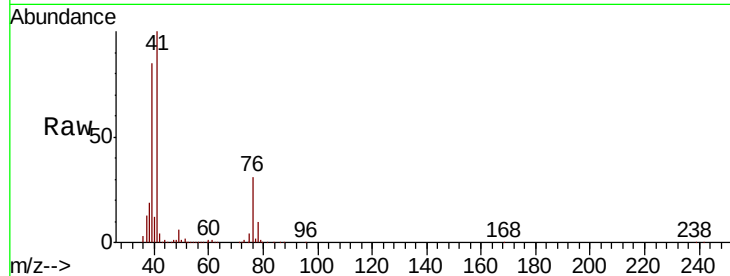
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	979794
Ion	Ratio	Lower	Upper
41	100		
76	28.5	21.8	32.6
39	82.5	64.8	97.2

Manual Integrations
APPROVED

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10/18/2019 3:03:42 PM



#22

trans-1,2-Dichloroethene

Concen: 12.387 ppbv

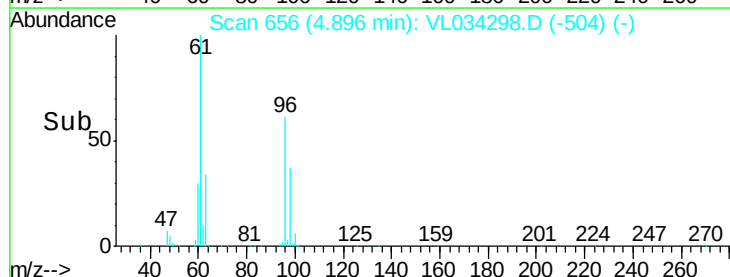
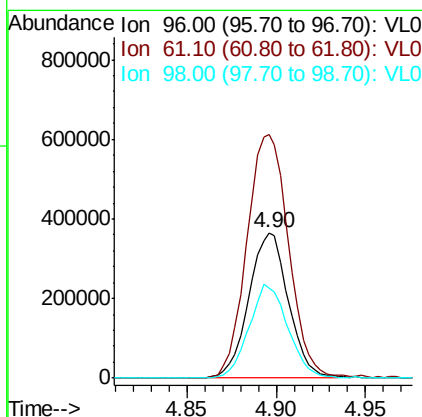
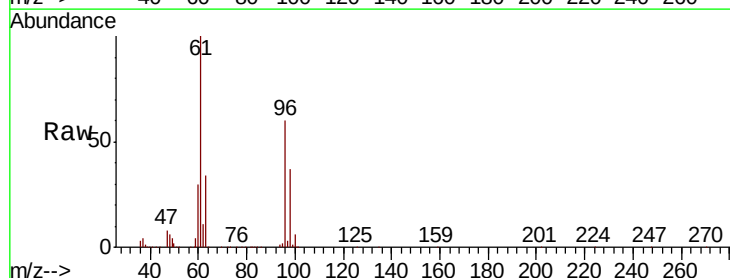
RT: 4.90 min Scan# 656

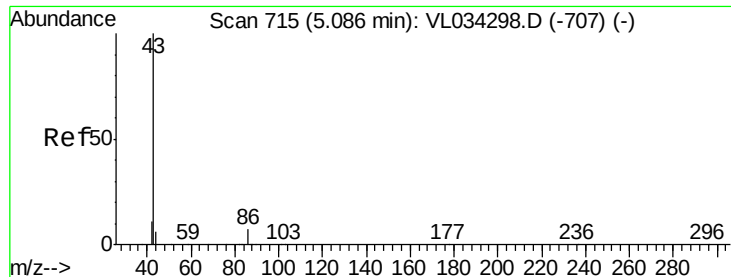
Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion:	96	Resp:	568565
Ion	Ratio	Lower	Upper
96	100		
61	167.2	145.5	218.3
98	61.7	49.9	74.9





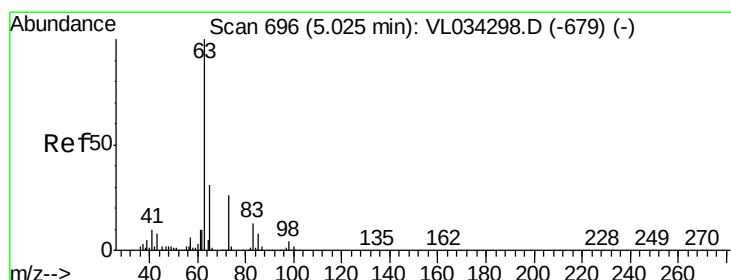
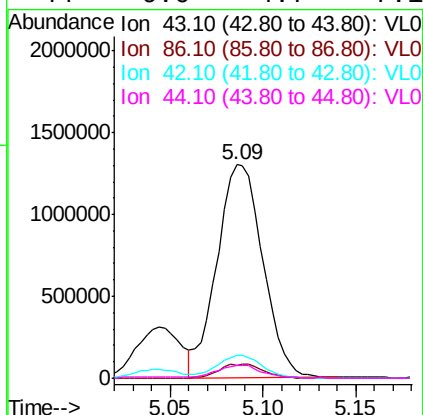
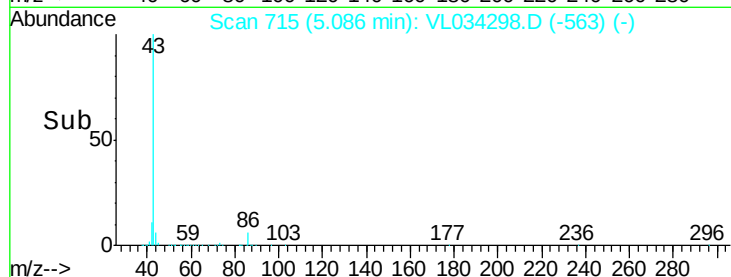
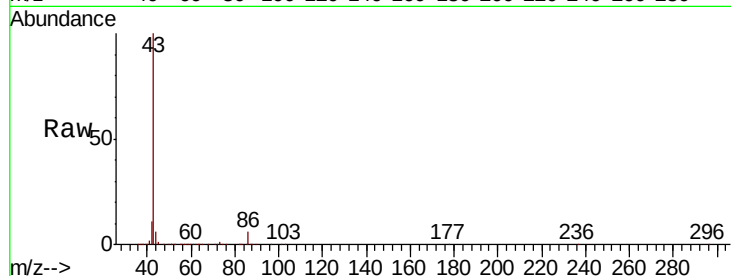
#23
 Vinyl Acetate
 Concen: 9.415 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.1	7.7
42	10.8	8.6	12.8
44	6.0	4.7	7.1

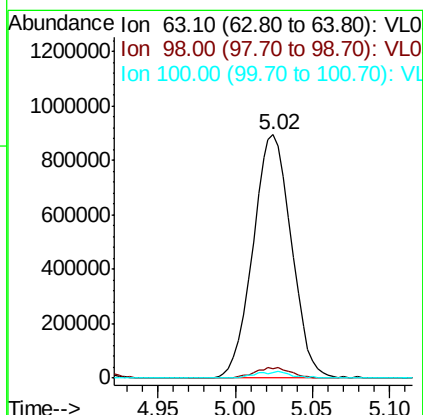
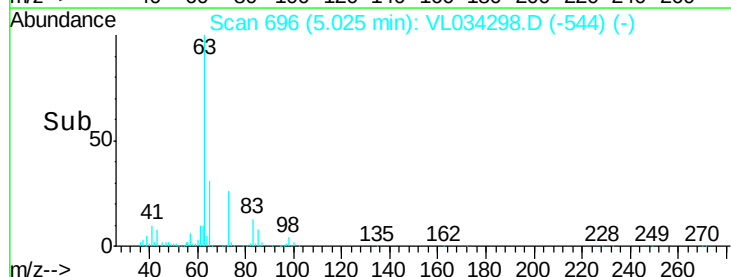
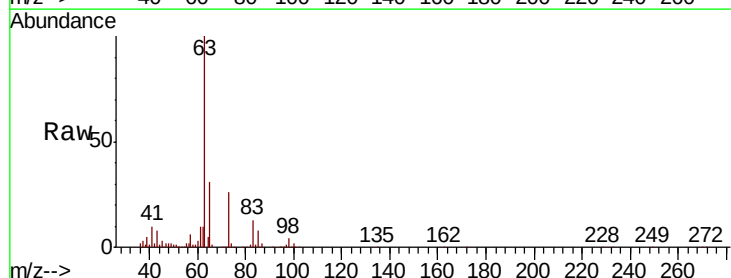
Manual Integrations
 APPROVED

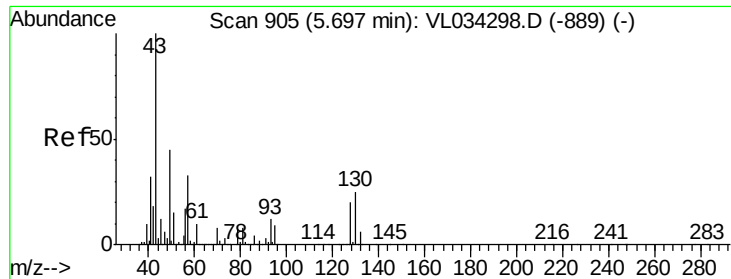
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 9.729 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.3
100	2.3	1.0	3.0





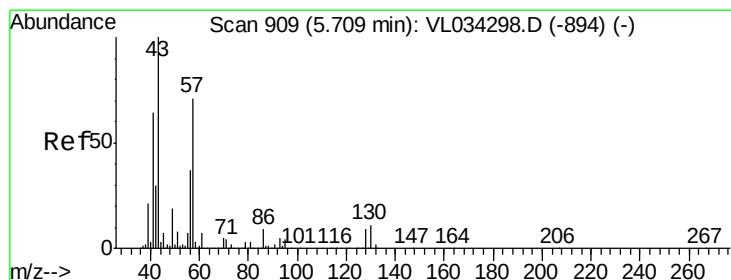
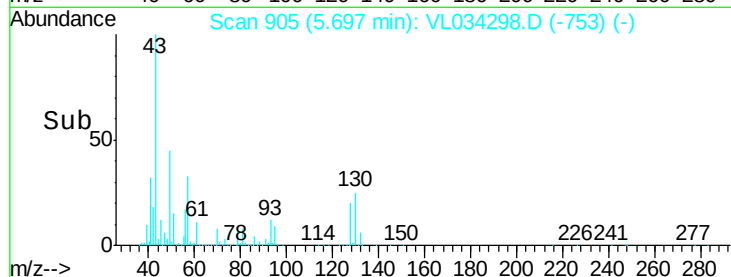
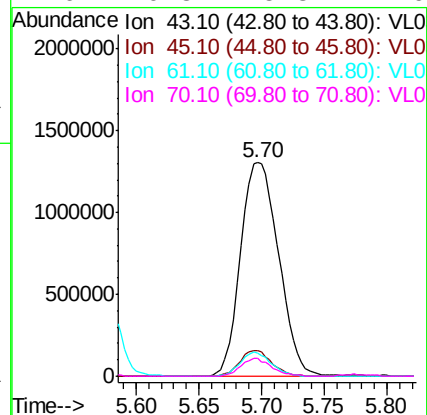
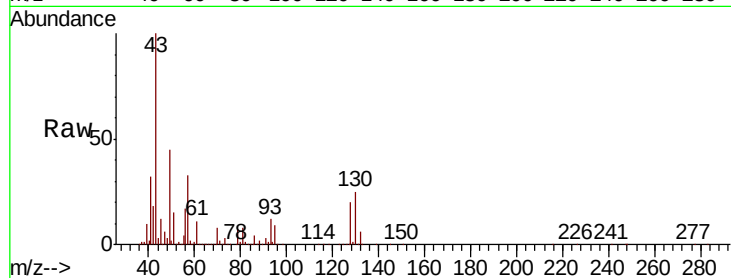
#25
Ethyl Acetate
Concen: 9.069 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.6	7.2	10.8
70	6.8	5.3	7.9

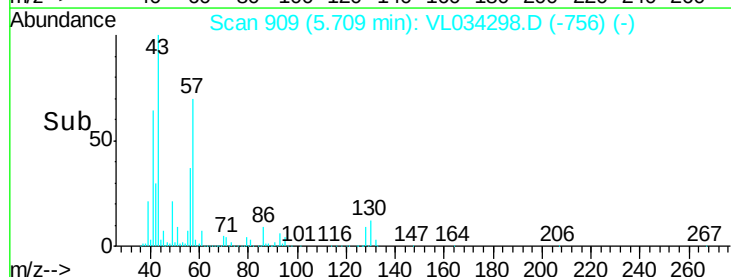
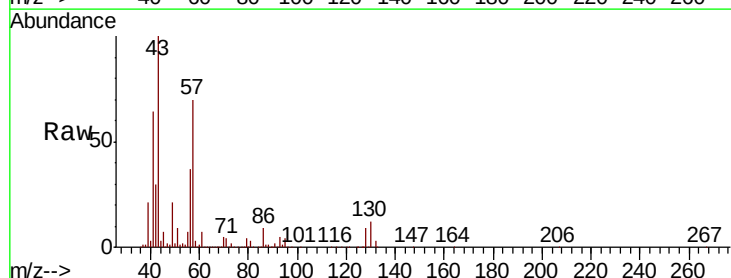
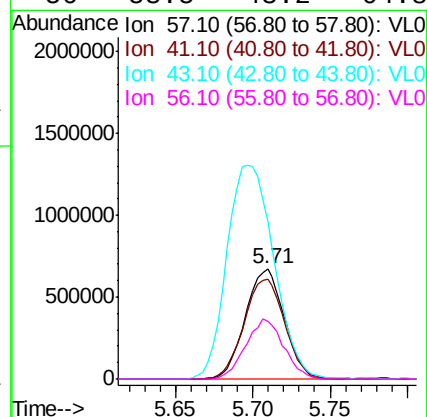
Manual Integrations
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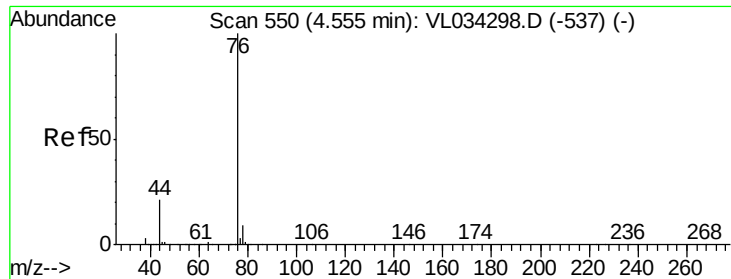
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#26
Hexane
Concen: 9.313 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.6	78.5	117.7
43	235.6	189.5	284.3
56	53.5	43.2	64.8





#27

Carbon Disulfide

Concen: 12.232 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1421709

Ion Ratio Lower Upper

76 100

44 21.6 17.6 26.4

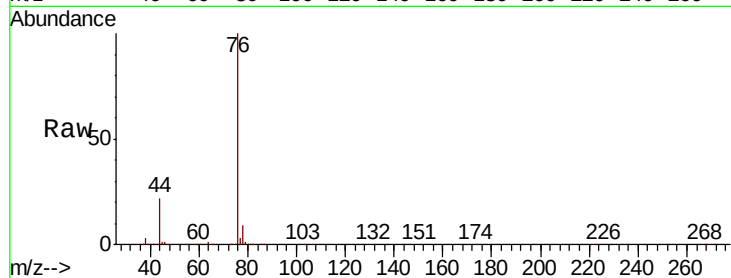
78 9.7 7.6 11.4

Manual Integrations

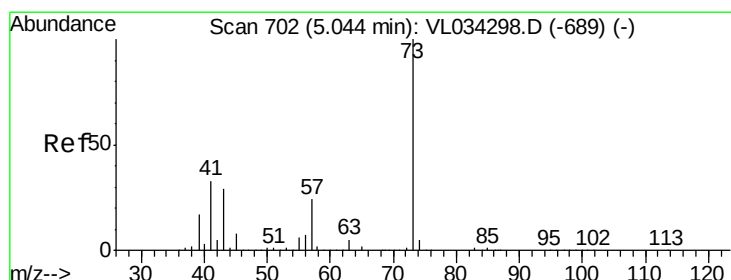
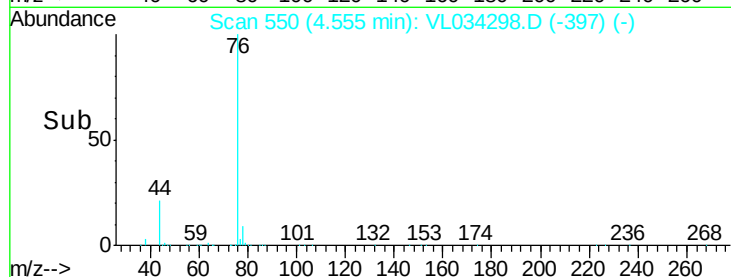
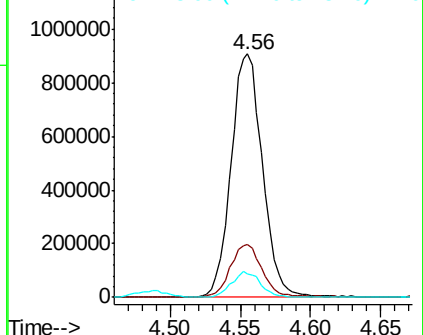
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.146 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034298.D

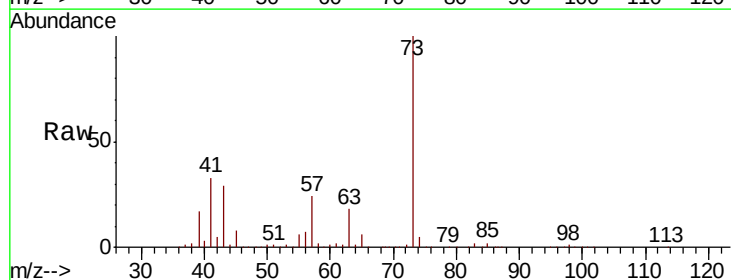
Acq: 16 Oct 2019 12:52

Tgt Ion: 73 Resp: 1899055

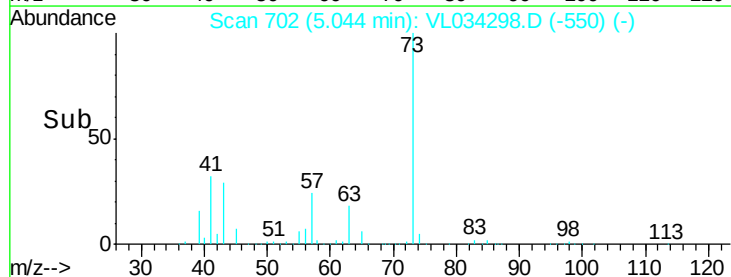
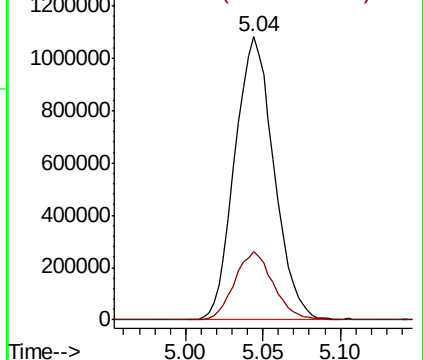
Ion Ratio Lower Upper

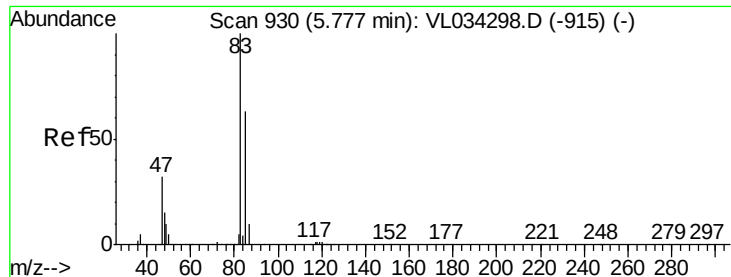
73 100

57 24.0 20.2 30.2



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





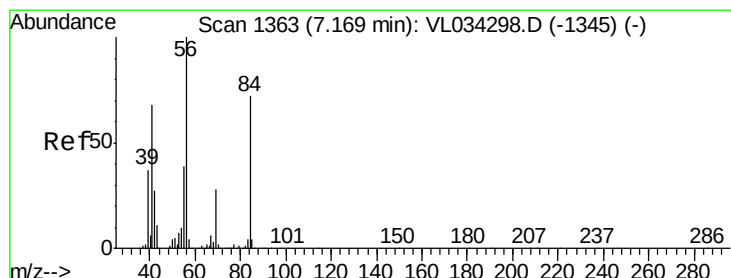
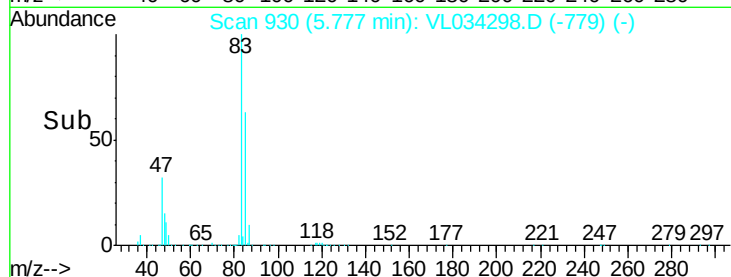
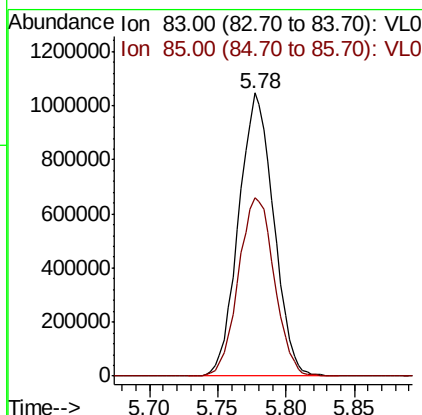
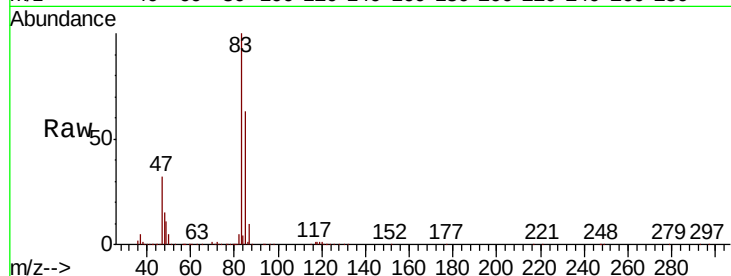
#29
Chloroform
Concen: 10.353 ppbv
RT: 5.78 min Scan# 930
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1864429
Ion Ratio Lower Upper
83 100
85 63.1 52.3 78.5

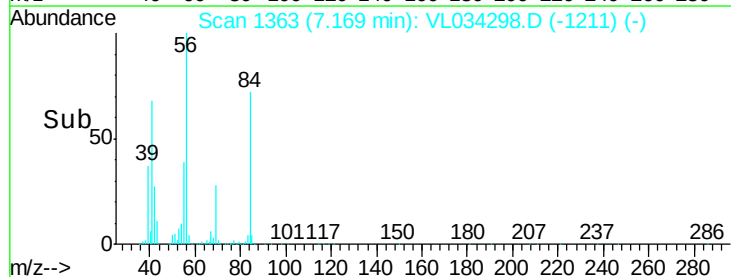
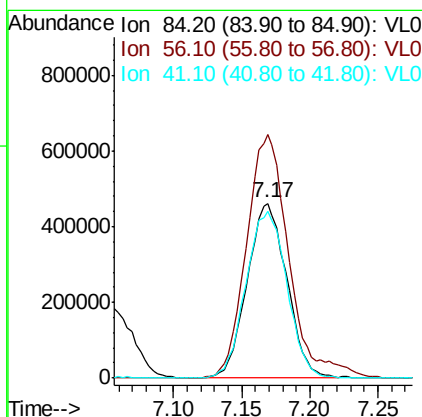
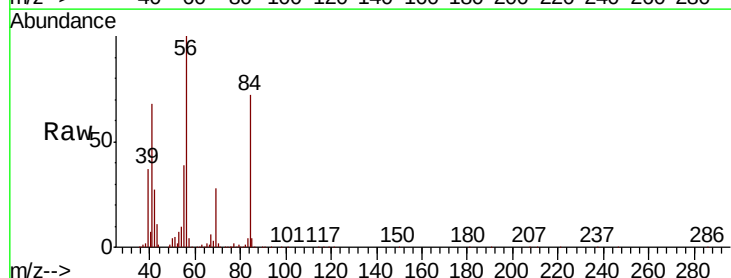
Manual Integrations
APPROVED

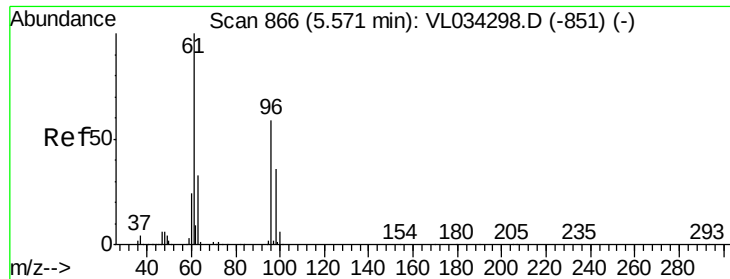
MMDadoda
10/18/2019 3:03:42 PM



#30
Cyclohexane
Concen: 10.254 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 84 Resp: 933001
Ion Ratio Lower Upper
84 100
56 149.2 126.2 189.2
41 98.4 85.8 128.8





#31

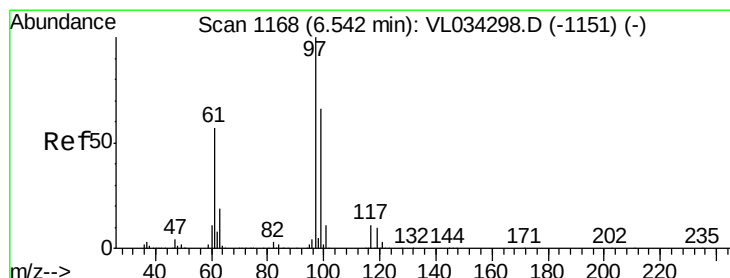
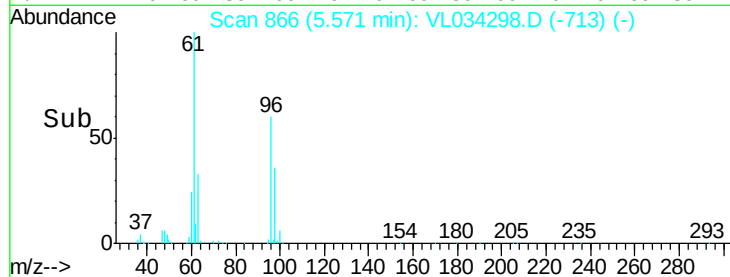
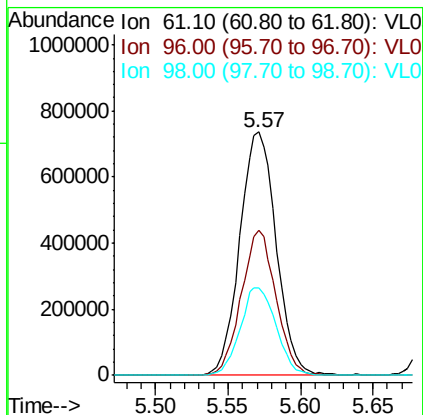
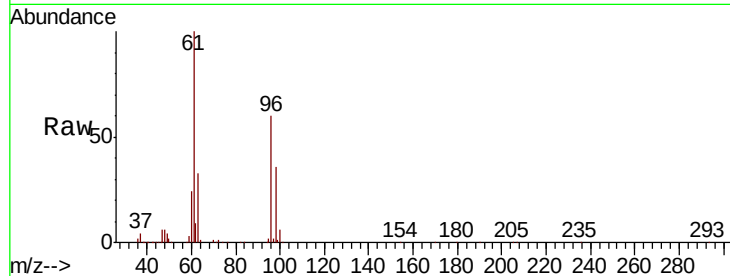
cis-1,2-Dichloroethene
 Concen: 10.006 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	43.0	64.4
98	36.0	27.2	40.8

Manual Integrations
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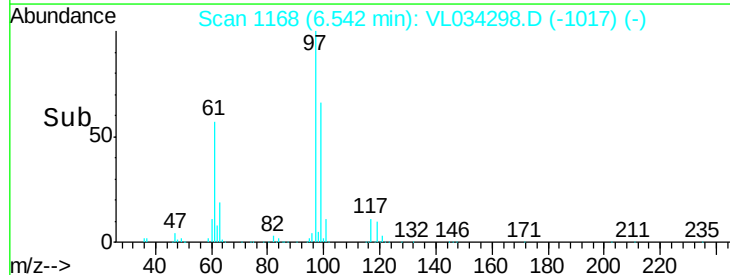
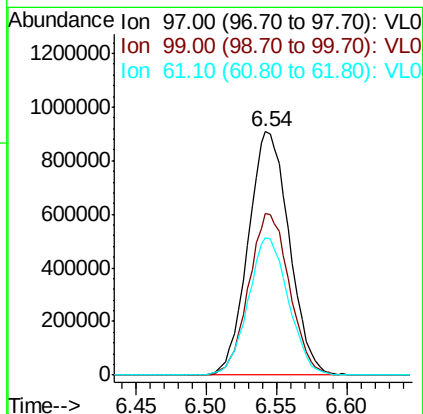
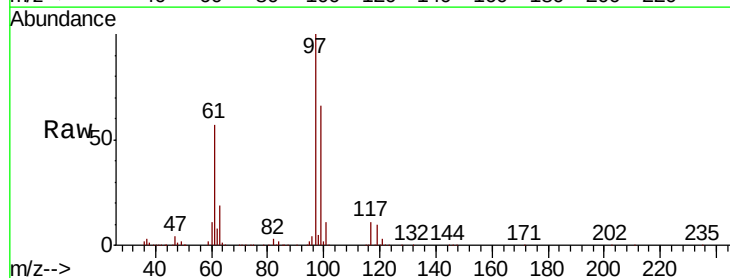
MMDadoda
 10/18/2019 3:03:42 PM

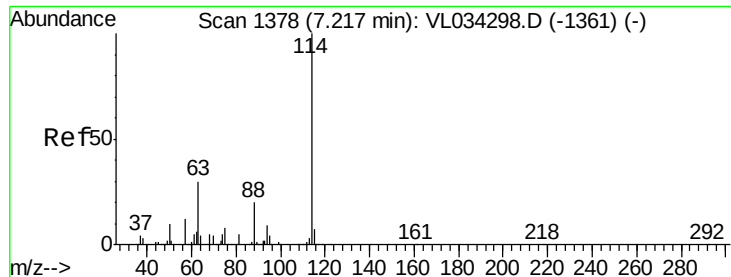


#32

1,1,1-Trichloroethane
 Concen: 10.629 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	55.6	48.4	72.6





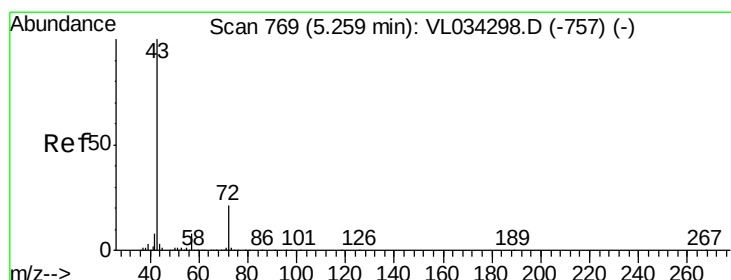
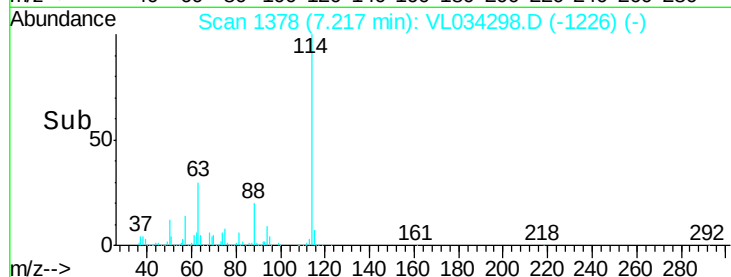
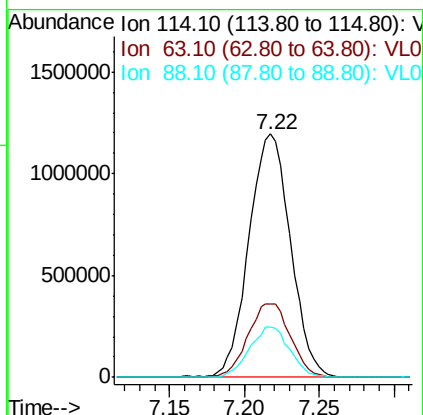
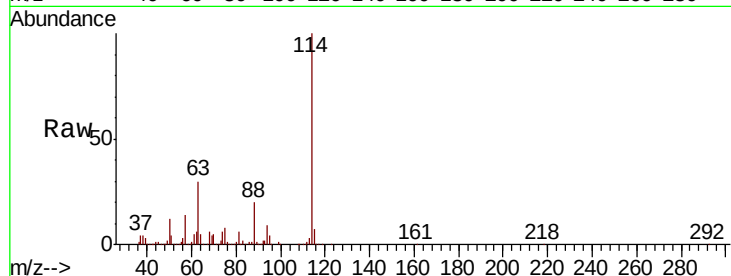
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.5	27.8	41.6
88	20.0	17.1	25.7

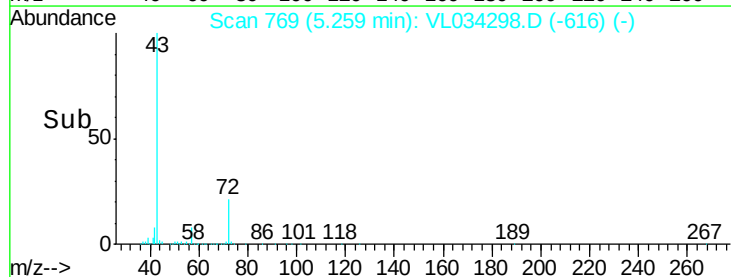
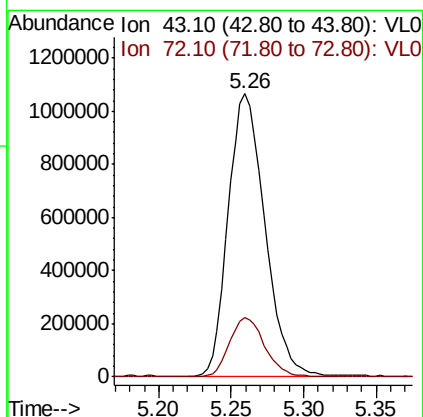
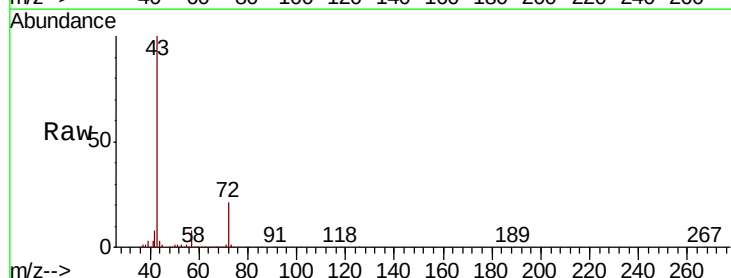
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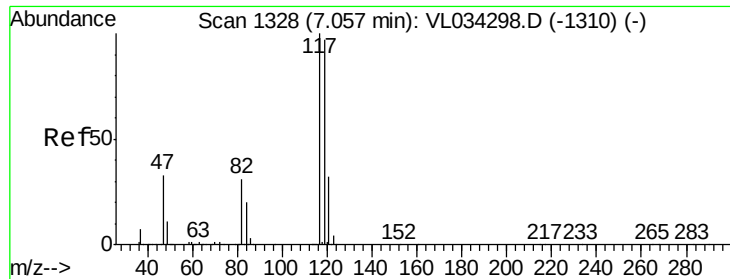
MMDadoda
 10/18/2019 3:03:42 PM



#34
 2-Butanone
 Concen: 7.938 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	15.0	22.6





#35

Carbon Tetrachloride

Concen: 10.106 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1939756

Ion Ratio Lower Upper

117 100

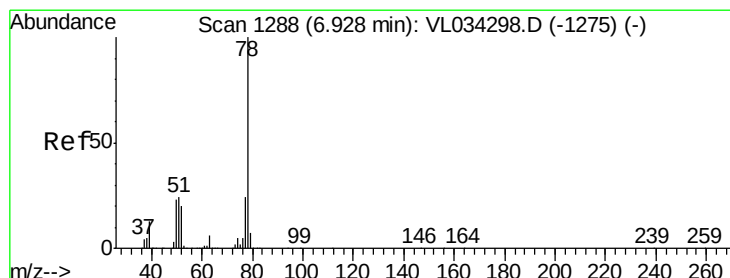
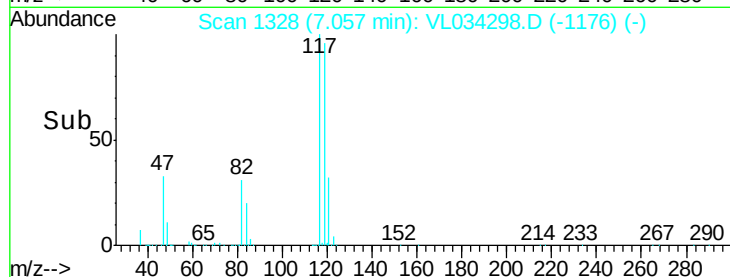
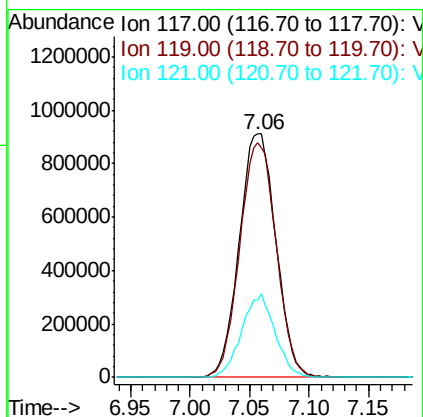
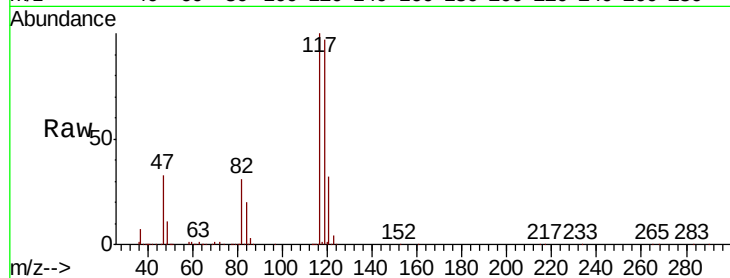
119 96.6 75.8 113.6

121 31.9 25.0 37.6

Manual Integrations
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#36

Benzene

Concen: 8.634 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

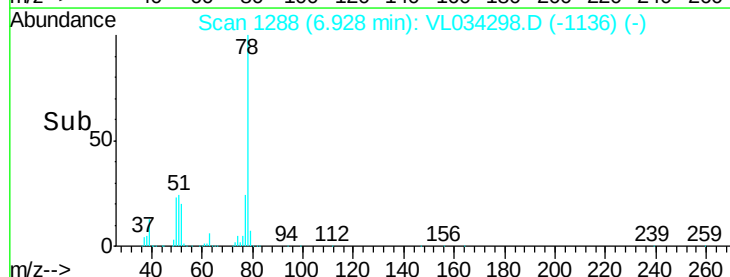
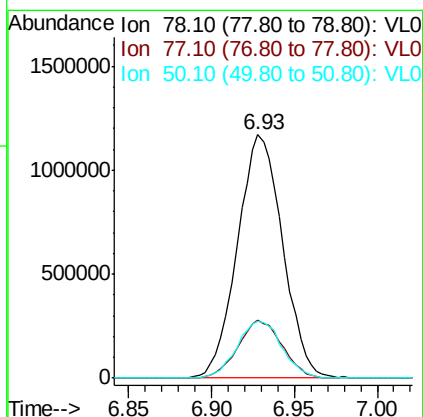
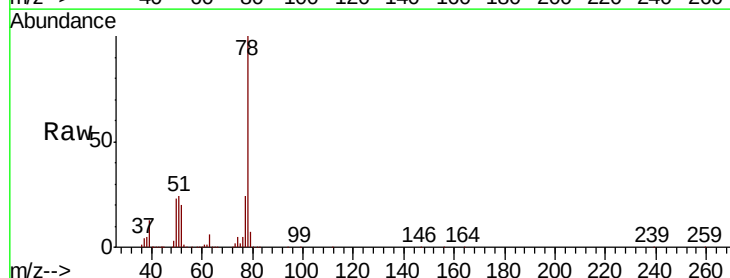
Tgt Ion: 78 Resp: 2203064

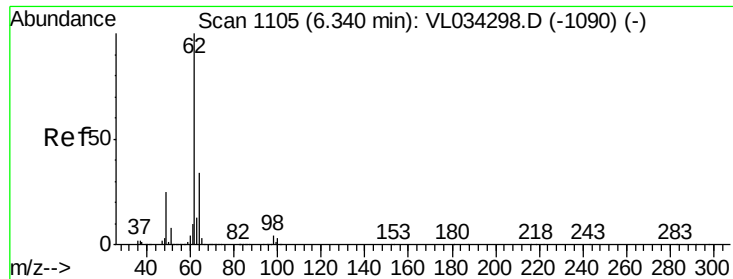
Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

50 23.2 18.9 28.3





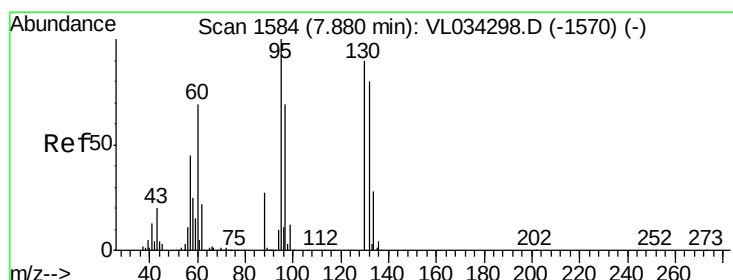
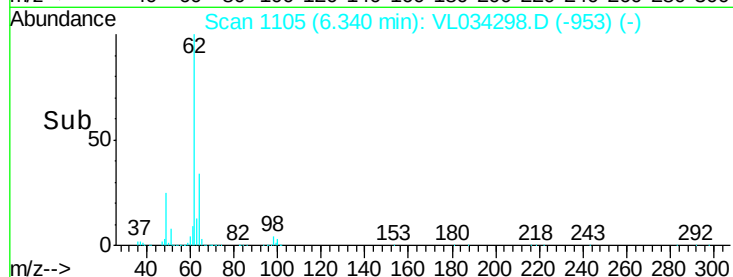
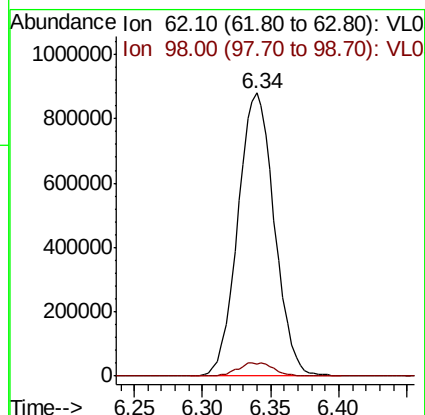
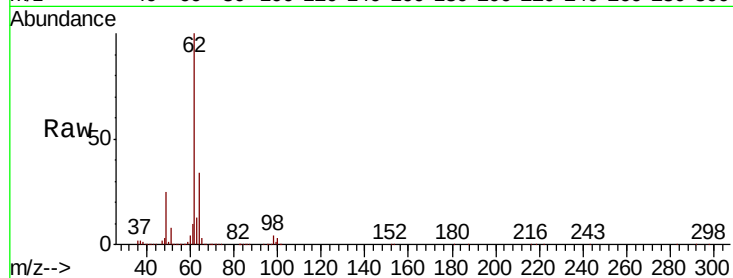
#37
1,2-Dichloroethane
Concen: 8.983 ppbv
RT: 6.34 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8

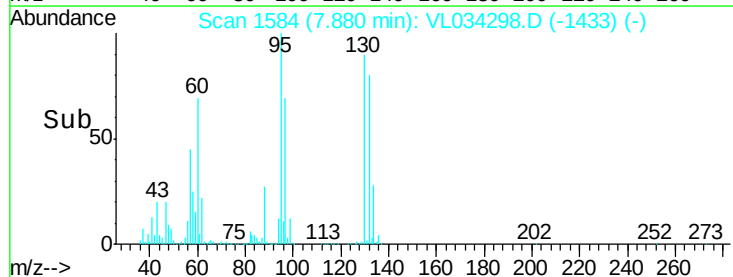
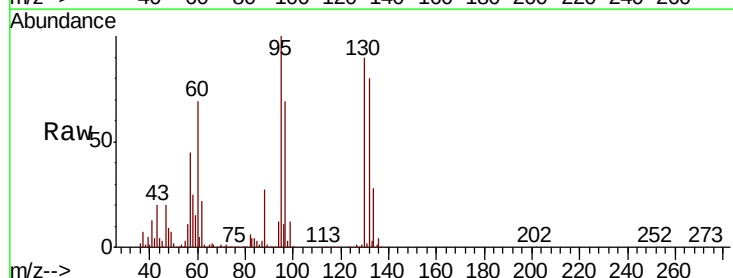
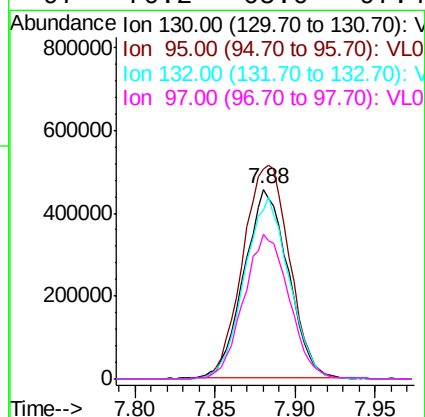
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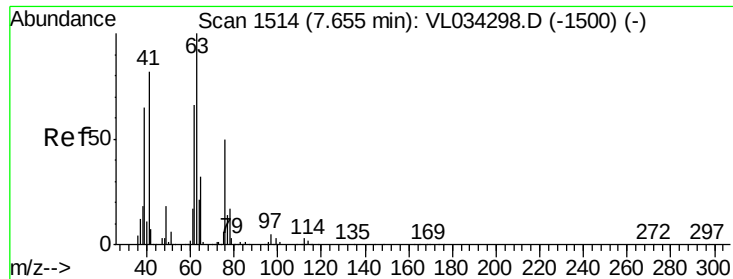
MMDadoda
10/18/2019 3:03:42 PM



#38
Trichloroethene
Concen: 9.471 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.7	99.8	149.6
132	89.0	75.2	112.8
97	76.2	65.0	97.4





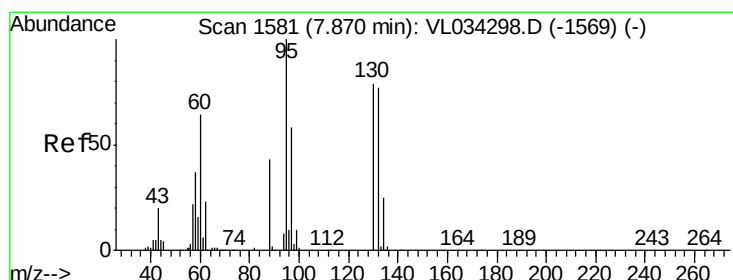
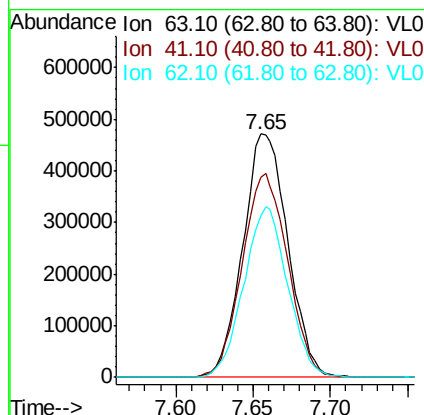
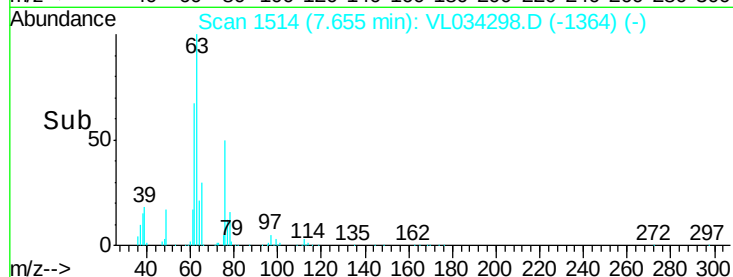
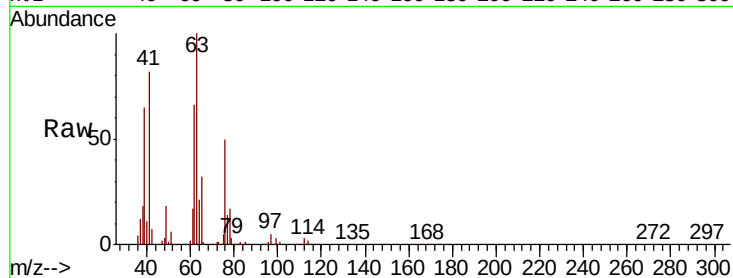
#39
 1,2-Dichloropropane
 Concen: 8.311 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.0	68.4	102.6
62	66.3	55.4	83.2

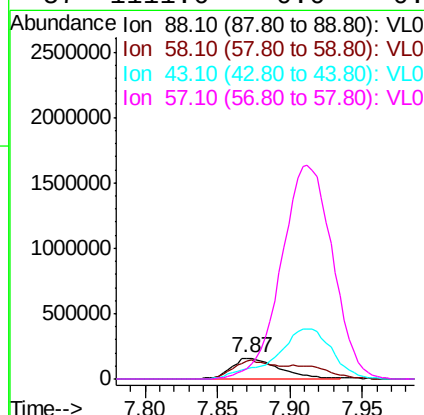
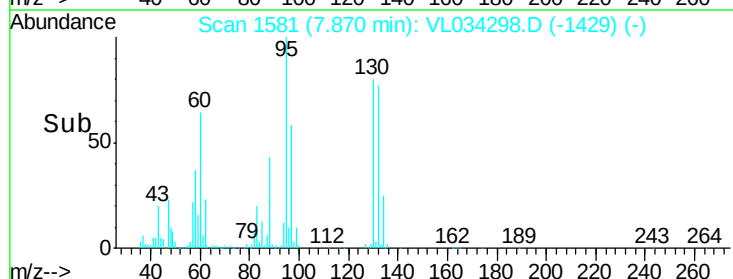
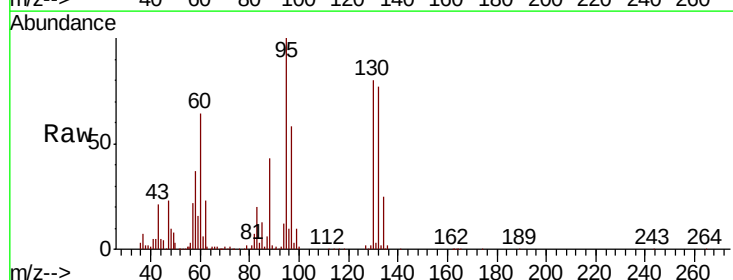
Manual Integrations
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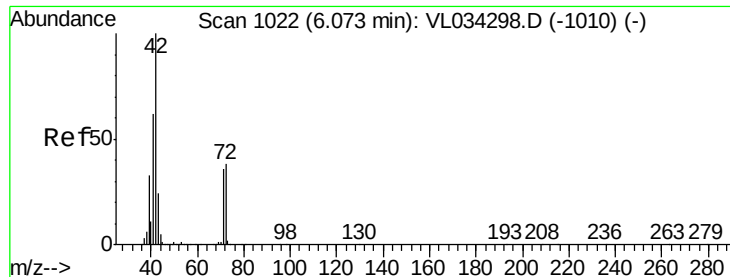
MMDadoda
 10/18/2019 3:03:42 PM



#40
 1,4-Dioxane
 Concen: 9.747 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.9	131.8	197.6
43	285.1	0.0	0.0#
57	1111.6	0.0	0.0#





#41

Tetrahydrofuran

Concen: 8.343 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

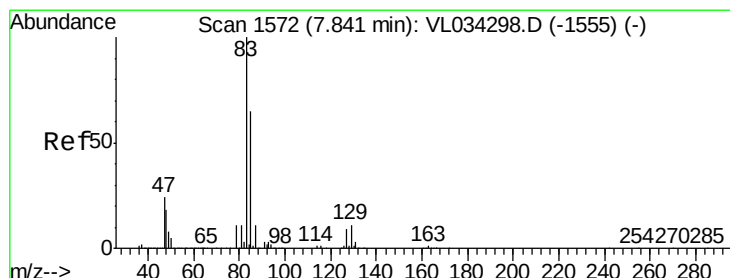
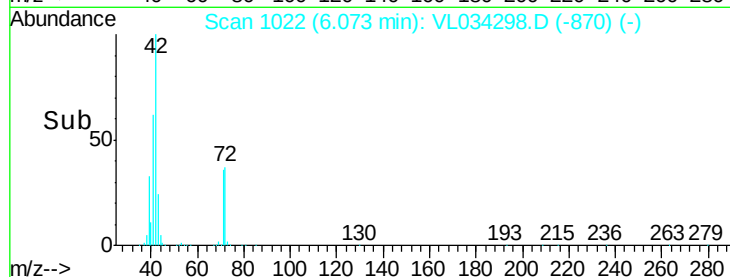
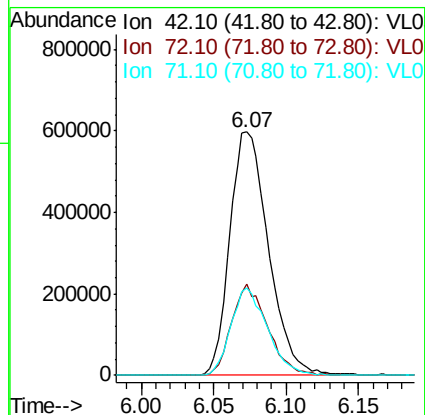
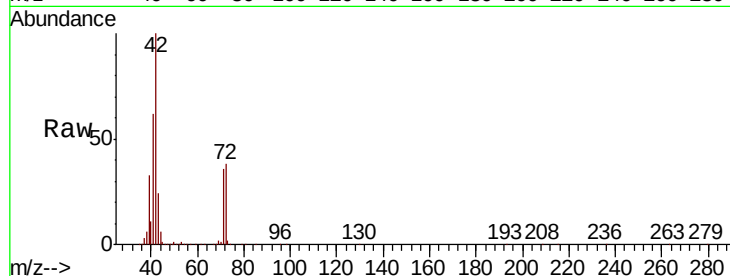
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	1108457
Ion	Ratio	Lower	Upper
42	100		
72	35.0	26.6	40.0
71	34.1	25.1	37.7

Manual Integrations
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10/18/2019 3:03:42 PM



#42

Bromodichloromethane

Concen: 9.425 ppbv

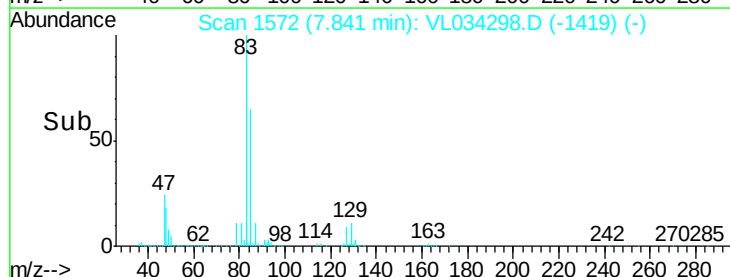
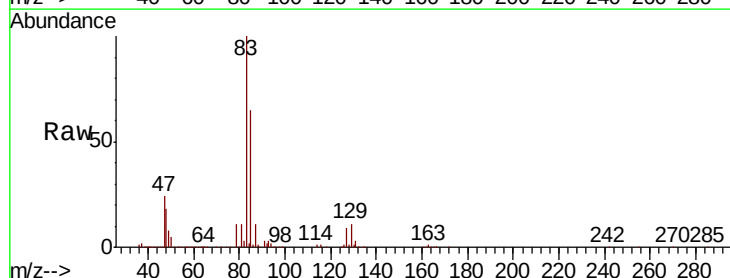
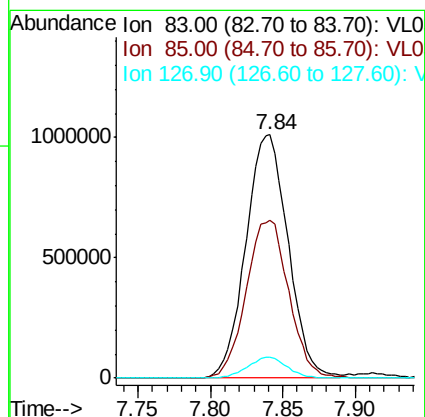
RT: 7.84 min Scan# 1572

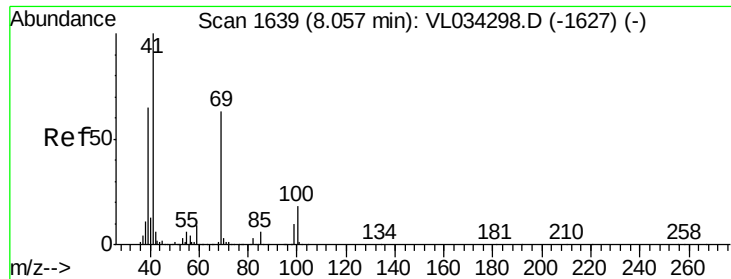
Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion:	83	Resp:	2052690
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0
127	8.8	5.5	8.3#





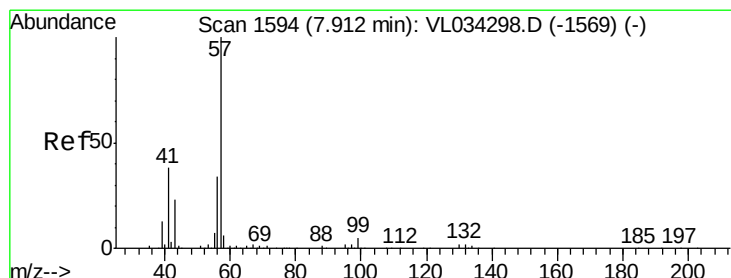
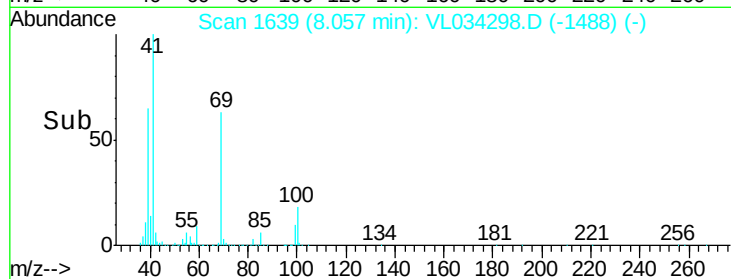
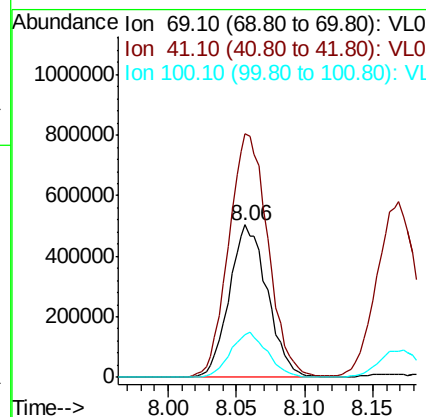
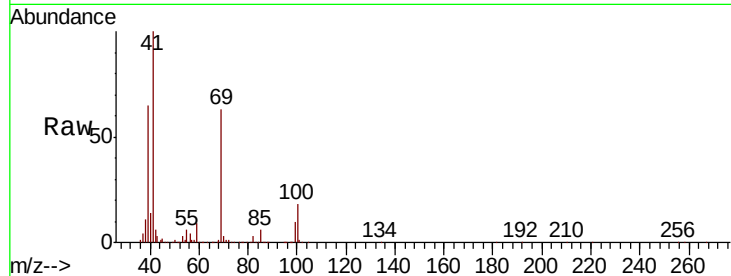
#43
Methvl Methacrylate
Concen: 9.215 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	165.1	140.4	210.6	
100	29.0	21.9	32.9	

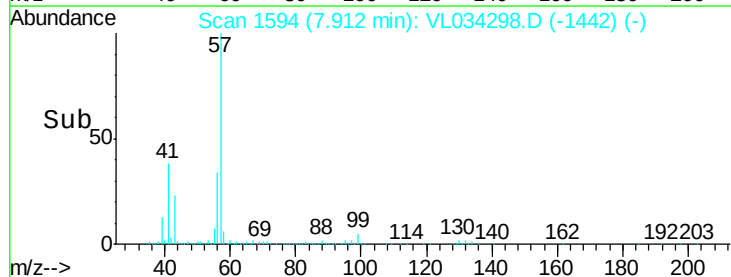
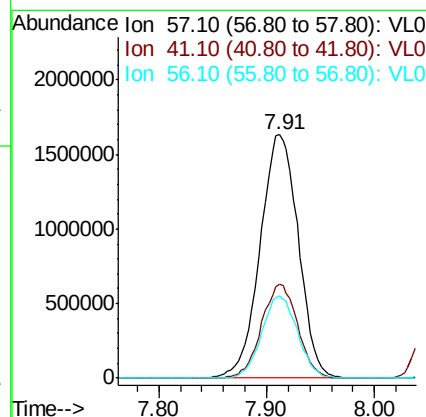
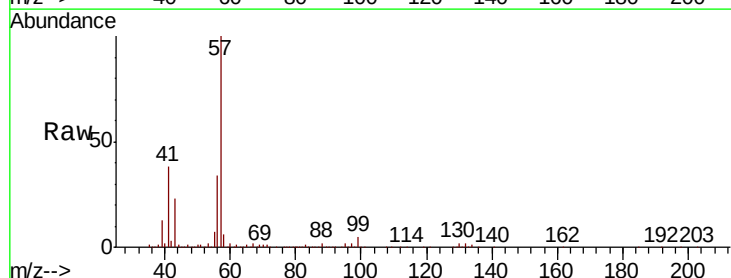
Manual Integrations
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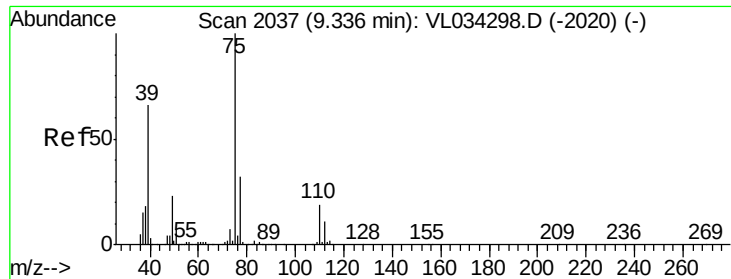
MMDadoda
10/18/2019 3:03:42 PM



#44
2,2,4-Trimethylpentane
Concen: 8.166 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.6	29.8	44.6	
56	31.6	25.9	38.9	





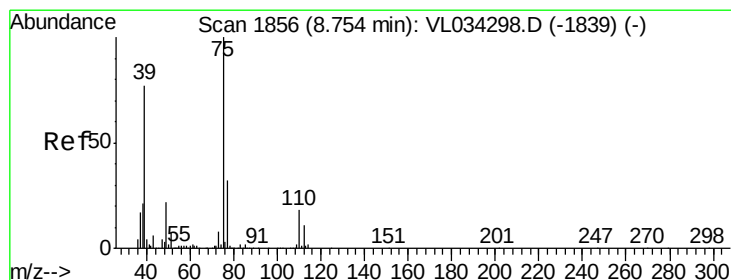
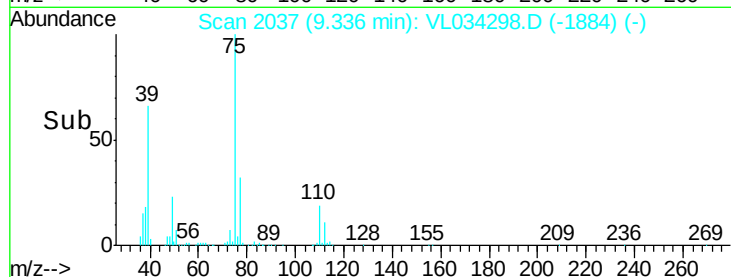
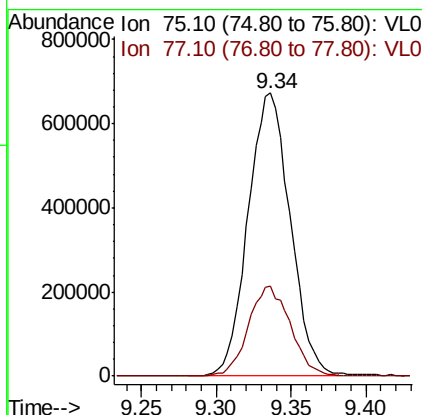
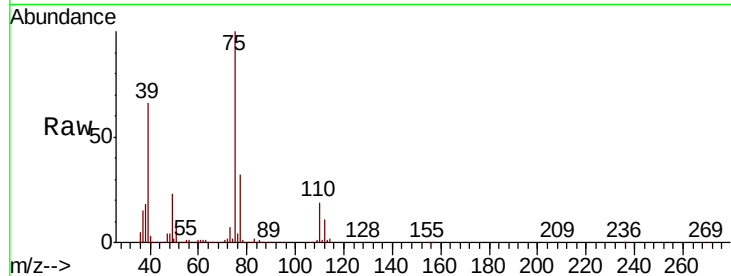
#45
t-1,3-Dichloropropene
Concen: 10.571 ppbv
RT: 9.34 min Scan# 2037
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1317390
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2

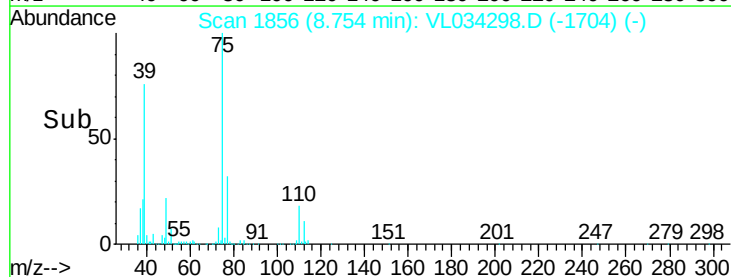
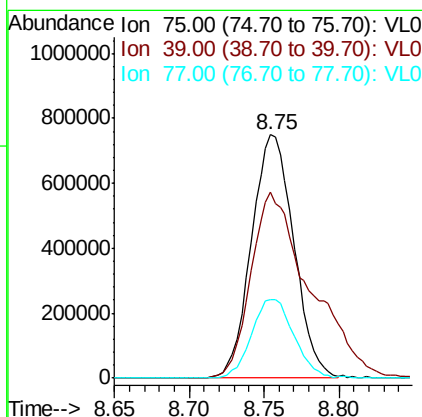
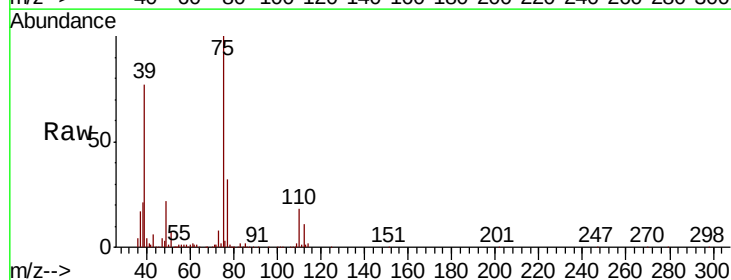
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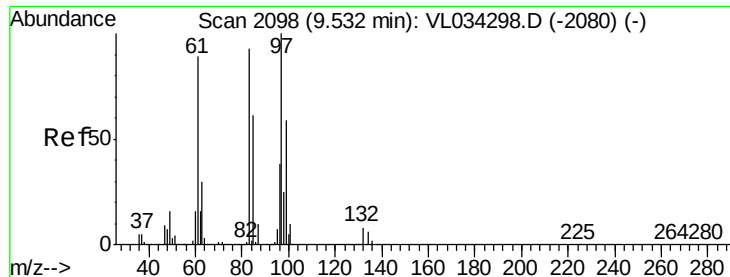
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.823 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 75 Resp: 1472647
Ion Ratio Lower Upper
75 100
39 76.5 65.0 97.4
77 32.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.208 ppbv

RT: 9.53 min Scan# 2098

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 97 Resp: 947896

Ion Ratio Lower Upper

97 100

83 92.7 75.3 112.9

85 60.8 52.1 78.1

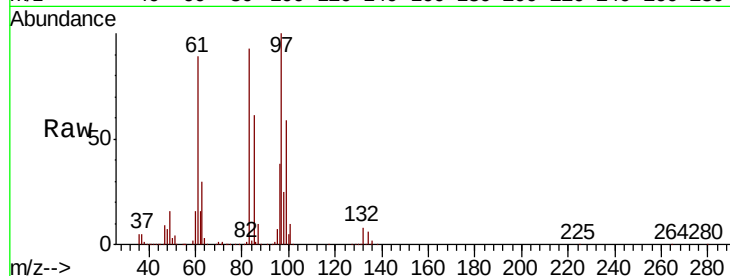
99 58.8 50.2 75.2

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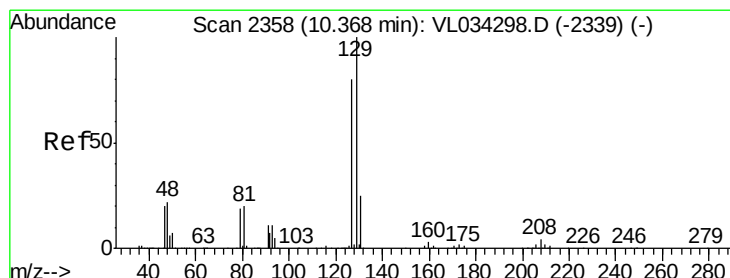
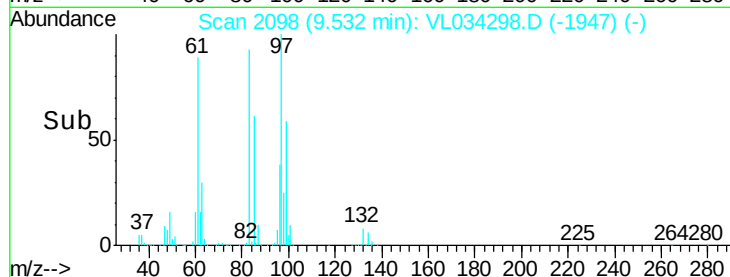
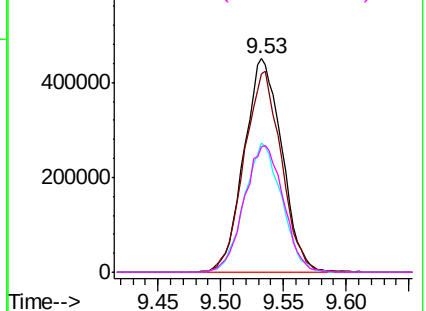


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.456 ppbv

RT: 10.37 min Scan# 2358

Delta R.T. -0.01 min

Lab File: VL034298.D

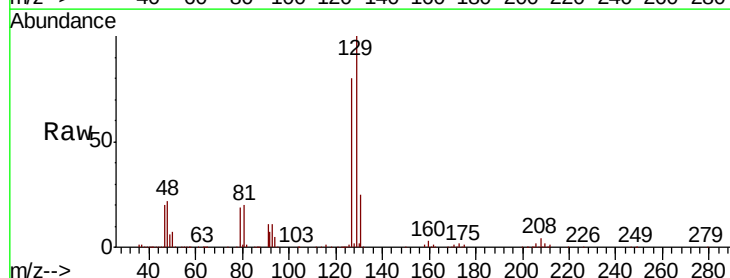
Acq: 16 Oct 2019 12:52

Tgt Ion: 129 Resp: 1706084

Ion Ratio Lower Upper

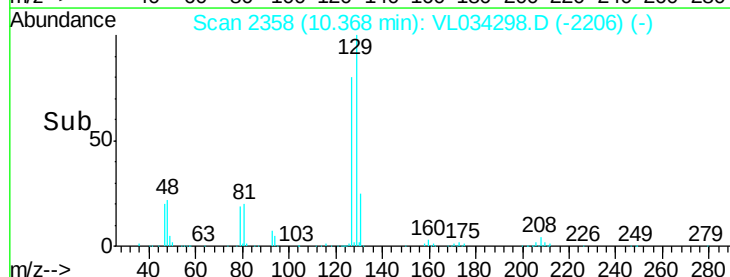
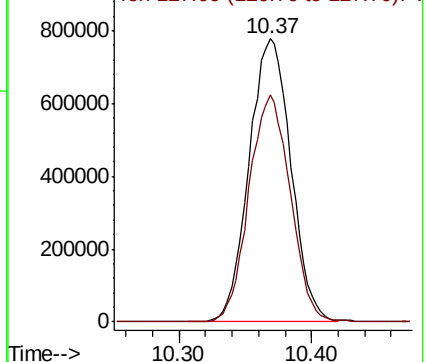
129 100

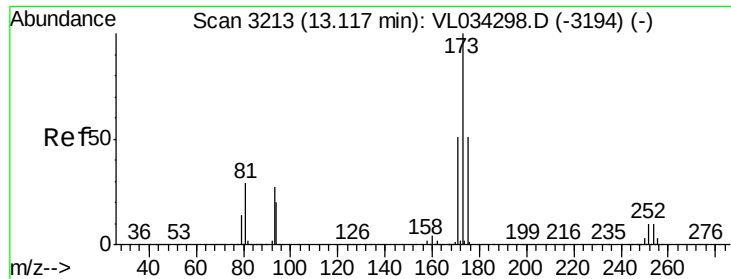
127 79.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





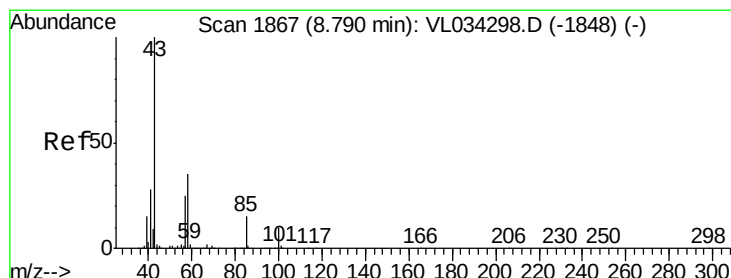
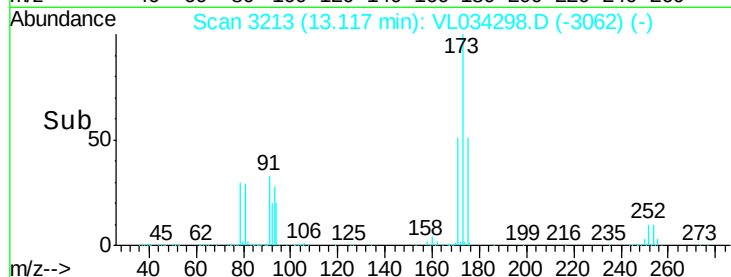
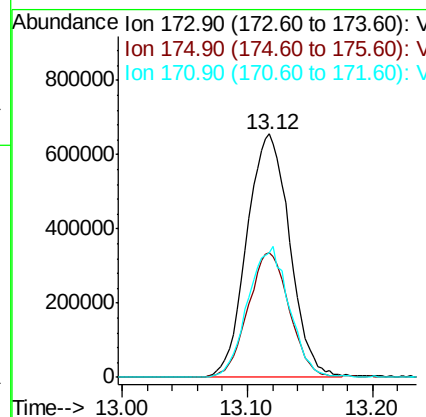
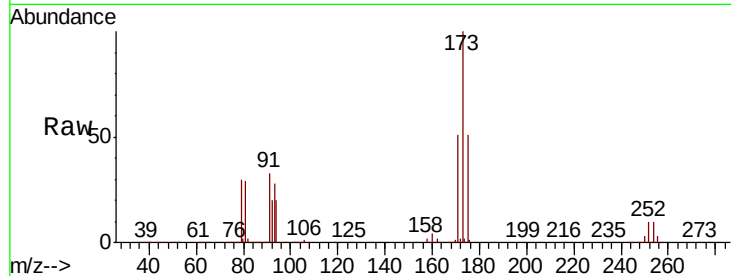
#49
Bromoform
Concen: 11.795 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1557384
Ion Ratio Lower Upper
173 100
175 49.7 40.3 60.5
171 52.2 42.0 63.0

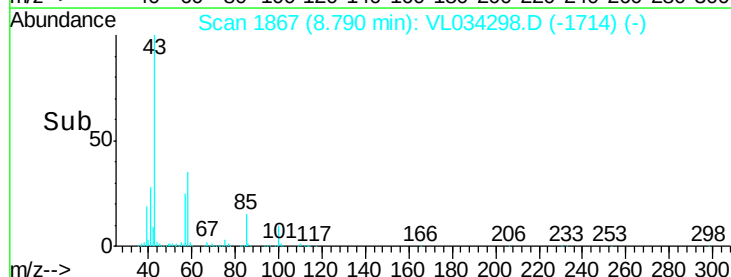
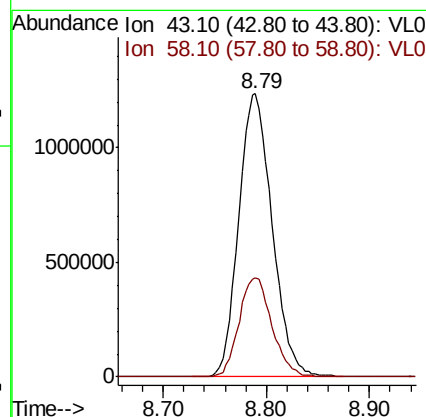
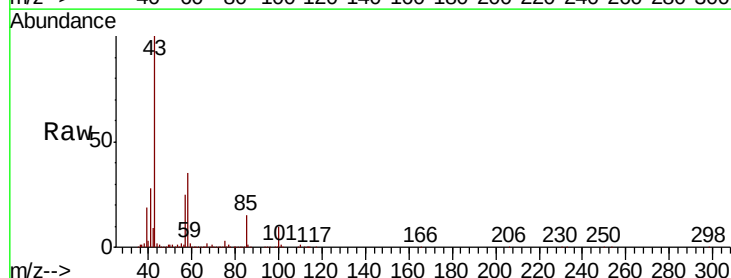
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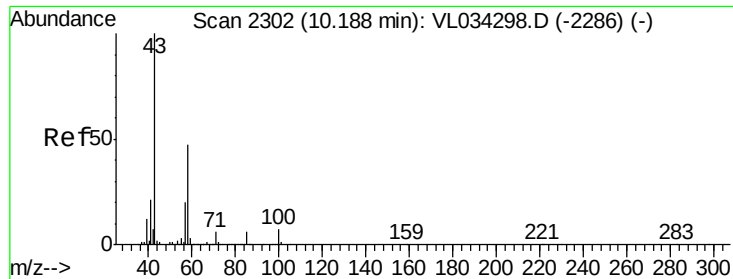
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#50
4-Methyl-2-Pentanone
Concen: 8.127 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 43 Resp: 2789857
Ion Ratio Lower Upper
43 100
58 34.5 27.6 41.4





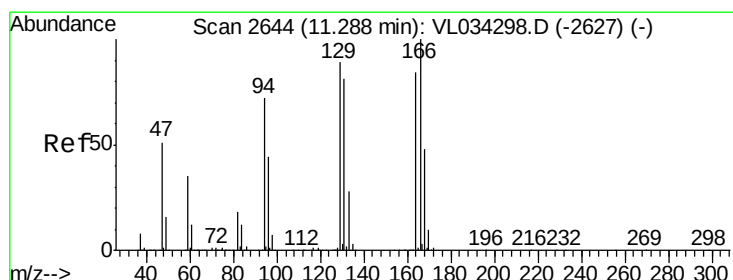
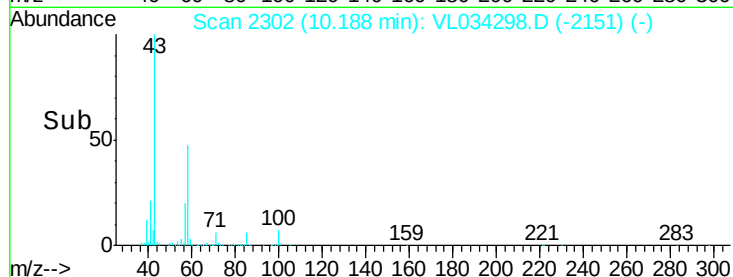
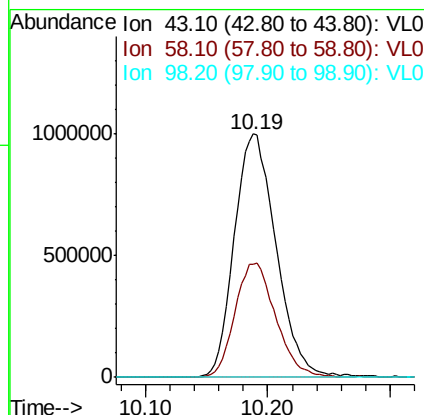
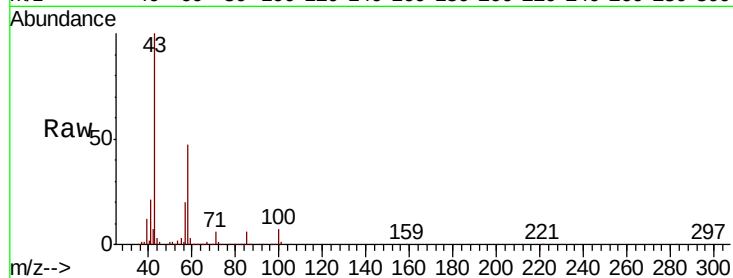
#51
2-Hexanone
Concen: 8.209 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.3	36.2	54.4
98	0.2	0.2	0.2

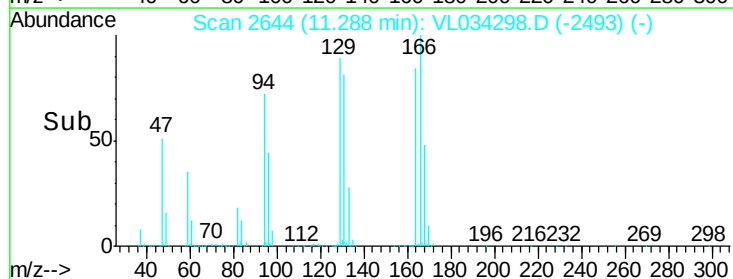
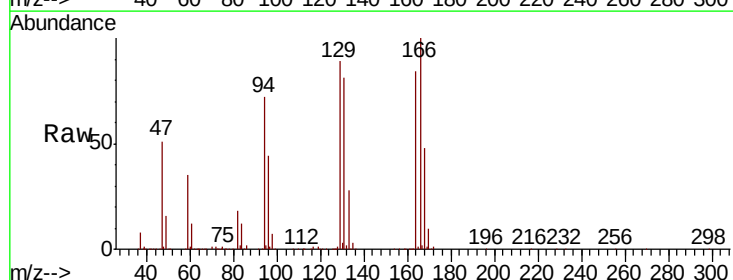
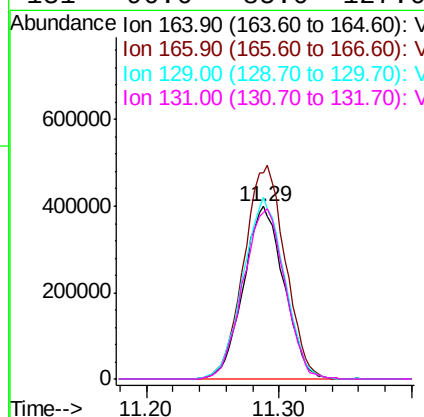
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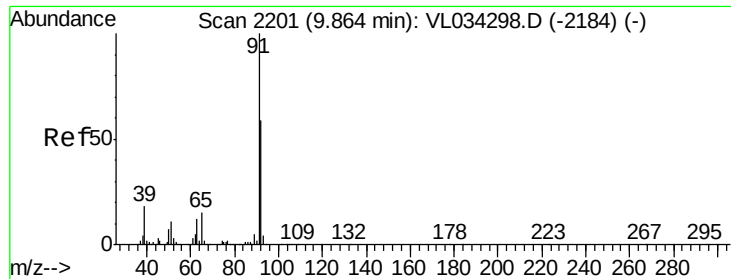
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#52
Tetrachloroethene
Concen: 10.088 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	96.7	145.1
129	105.6	82.8	124.2
131	96.6	85.0	127.6





#53

Toluene

Concen: 9.185 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2561167

Ion Ratio Lower Upper

91 100

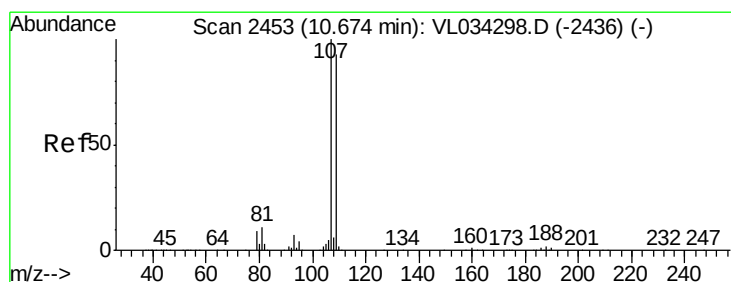
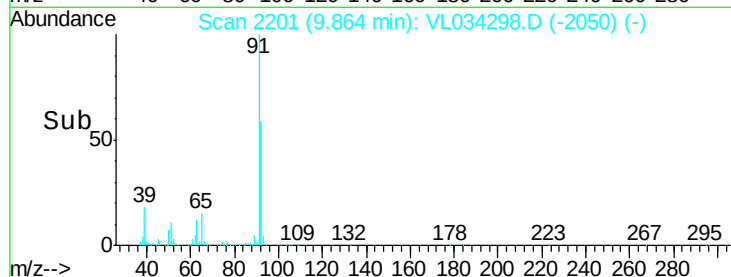
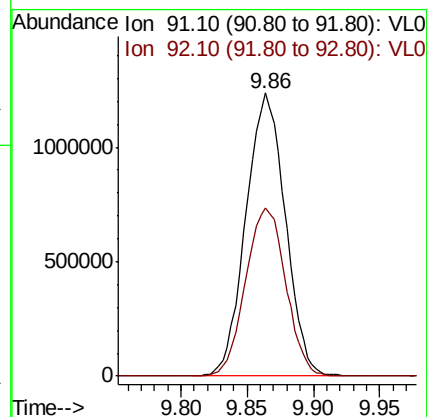
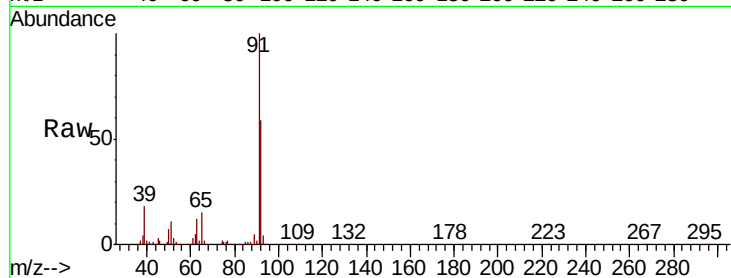
92 60.5 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.368 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. -0.02 min

Lab File: VL034298.D

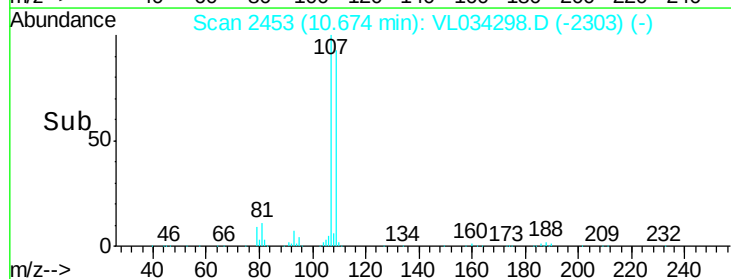
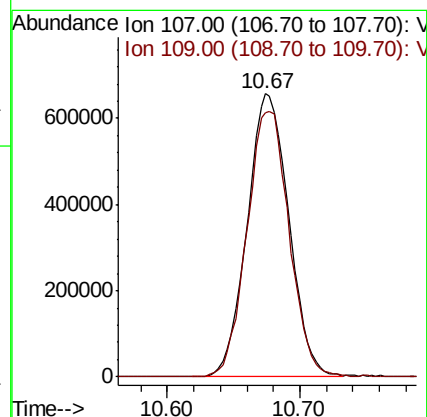
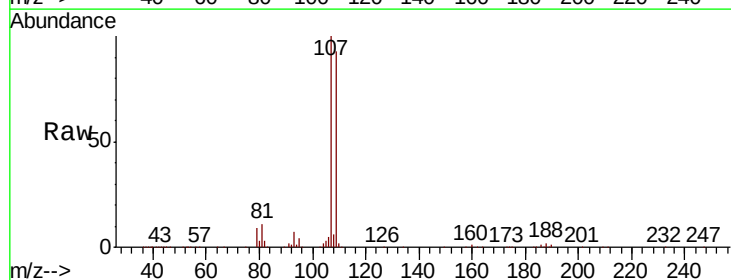
Acq: 16 Oct 2019 12:52

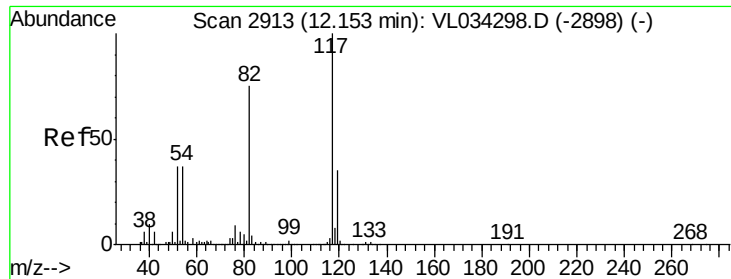
Tgt Ion: 107 Resp: 1434150

Ion Ratio Lower Upper

107 100

109 93.3 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.15 min Scan# 2913

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2541989

Ion Ratio Lower Upper

117 100

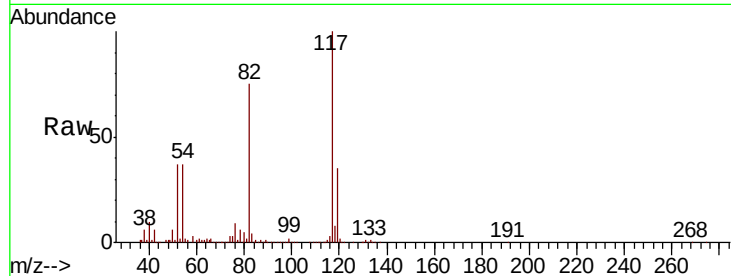
82 69.4 58.2 87.4

119 33.1 23.7 35.5

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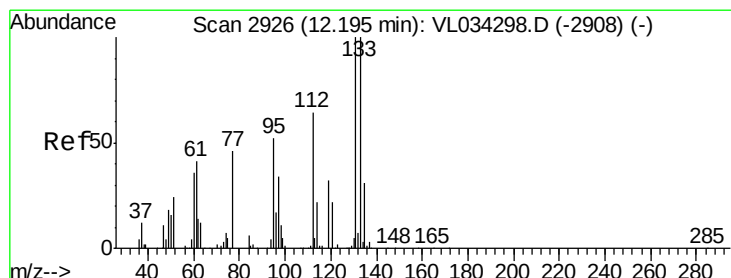
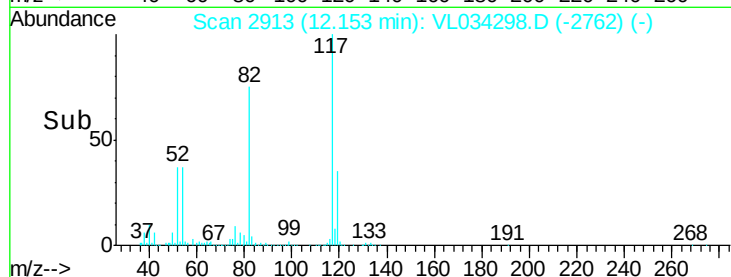
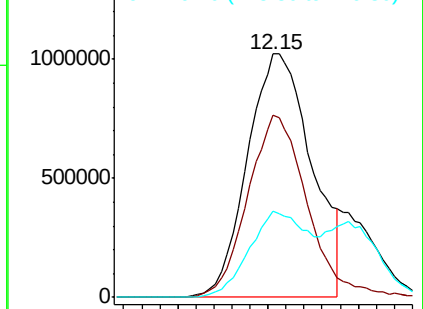
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 9.797 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

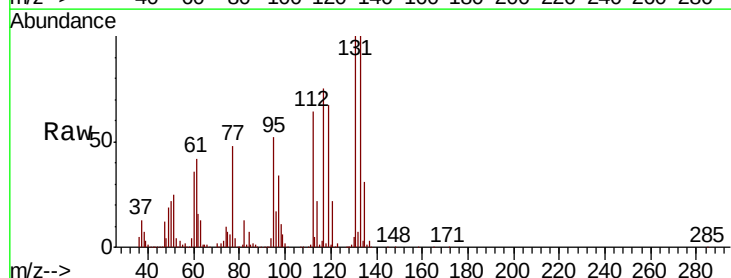
Tgt Ion:131 Resp: 1110679

Ion Ratio Lower Upper

131 100

133 96.4 75.1 112.7

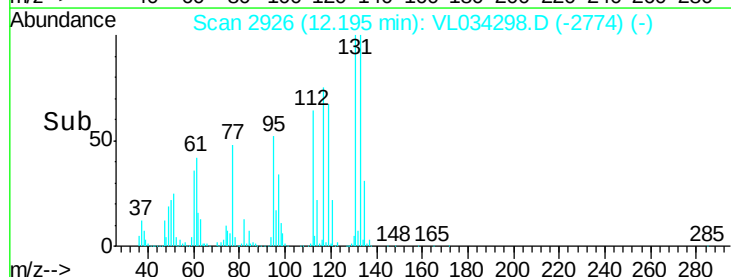
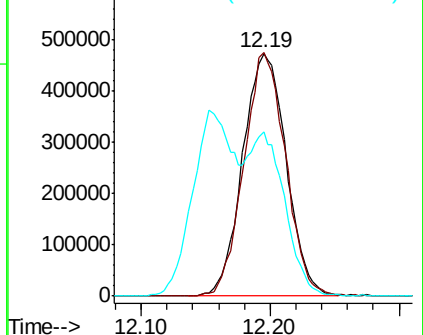
119 61.2 47.4 71.0

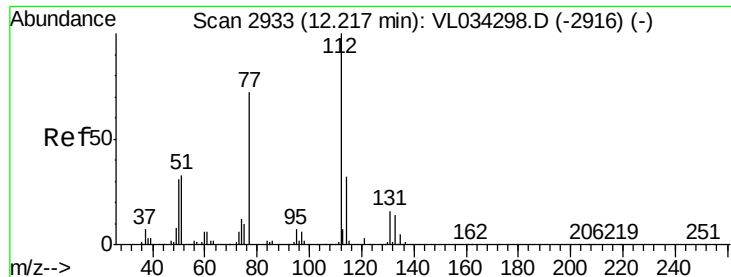


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





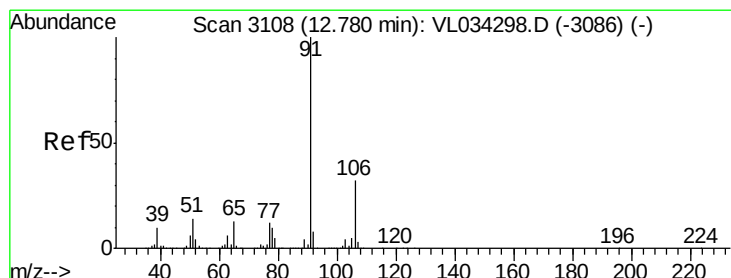
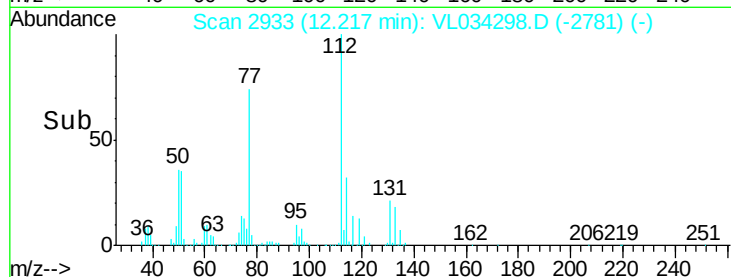
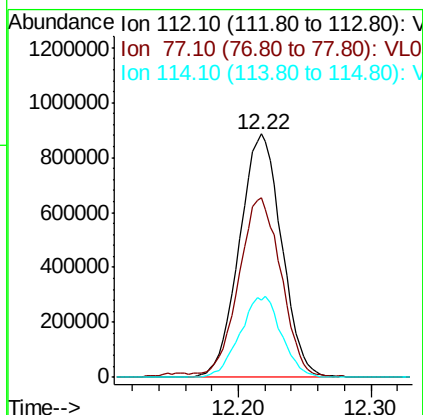
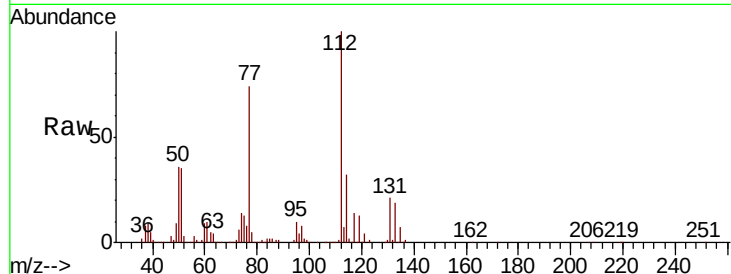
#57
Chlorobenzene
Concen: 8.818 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	73.3	64.3	96.5
114	31.8	28.9	35.3

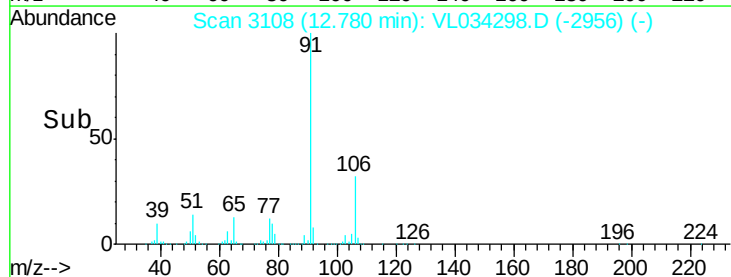
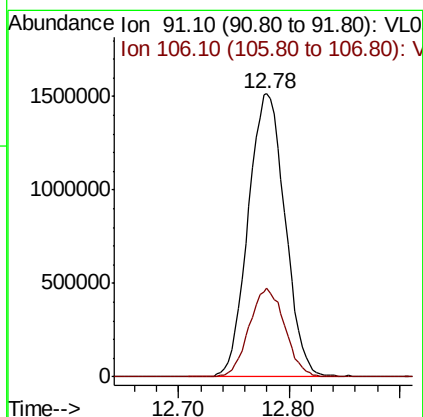
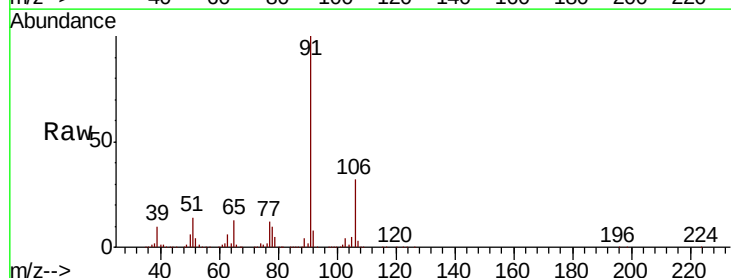
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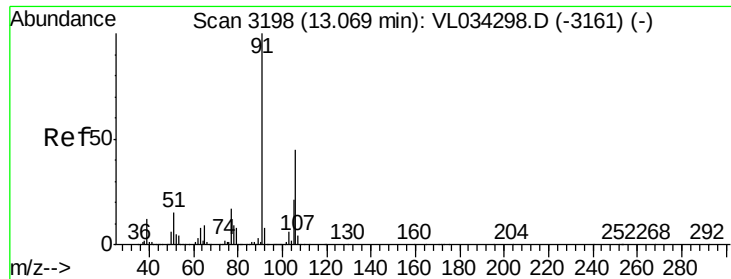
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#58
Ethyl Benzene
Concen: 8.564 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4





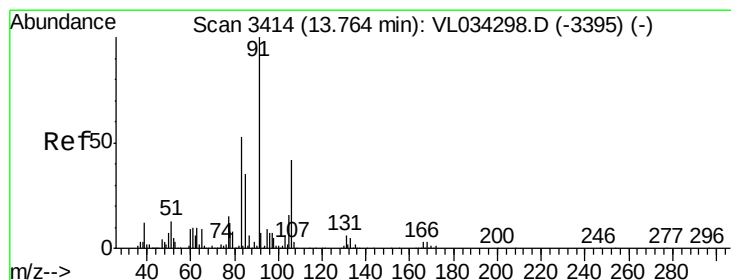
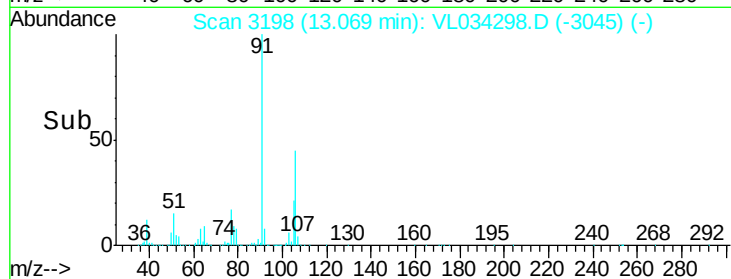
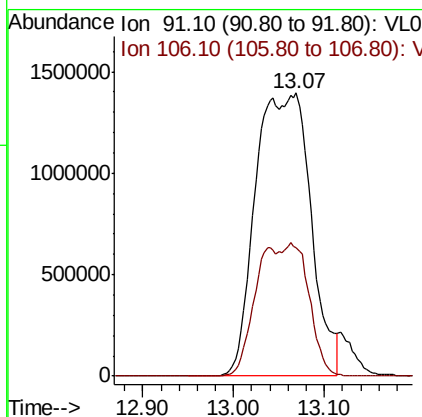
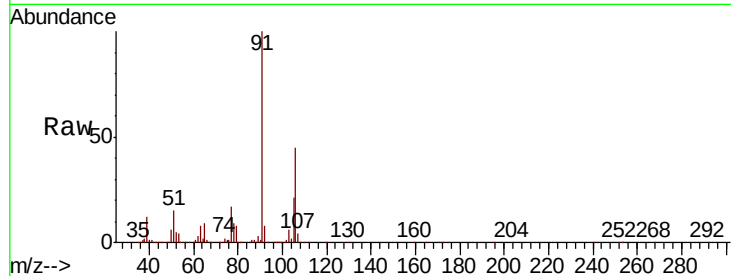
#59
m/p-Xylene
Concen: 17.339 ppbv m
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5890552
Ion Ratio Lower Upper
91 100
106 44.3 35.5 53.3

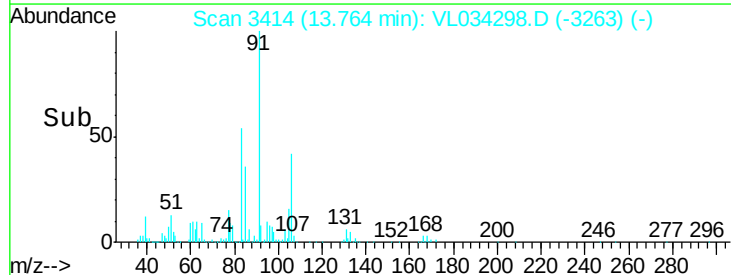
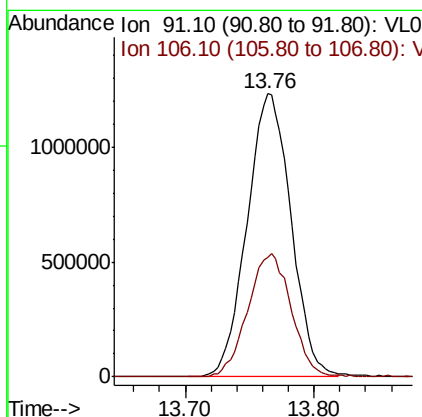
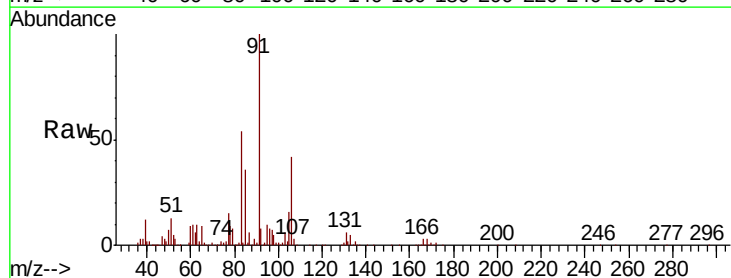
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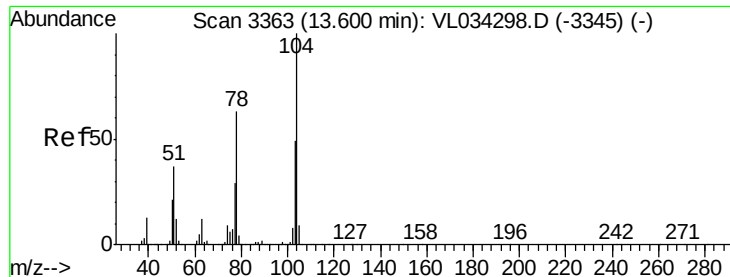
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#60
o-Xylene
Concen: 8.595 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion: 91 Resp: 2919700
Ion Ratio Lower Upper
91 100
106 43.1 21.2 63.6





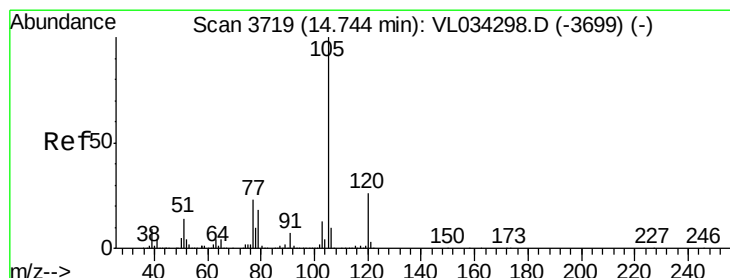
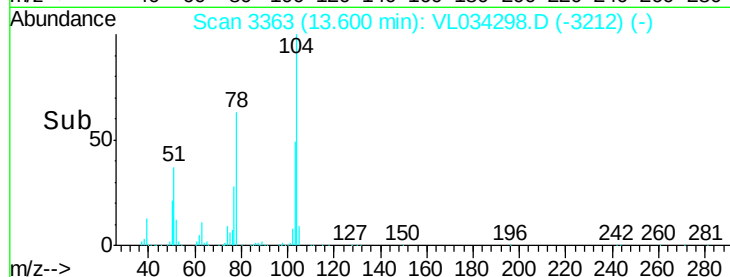
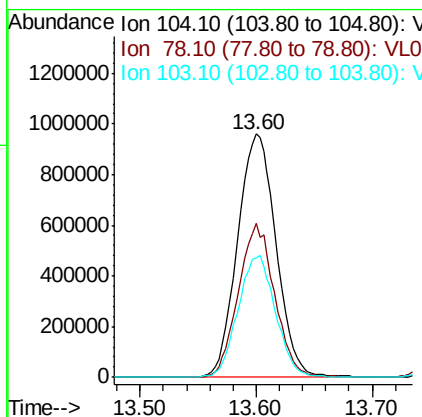
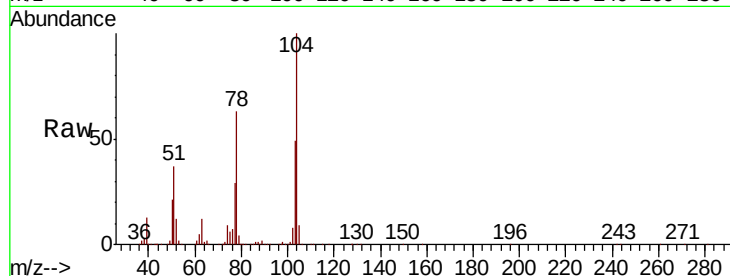
#61
Stvrene
Concen: 9.084 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 2210429
Ion Ratio Lower Upper
104 100
78 59.8 49.7 74.5
103 48.8 38.4 57.6

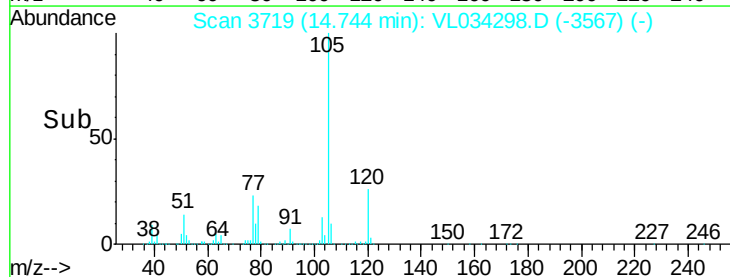
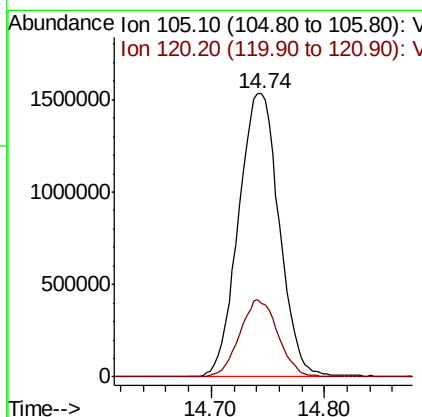
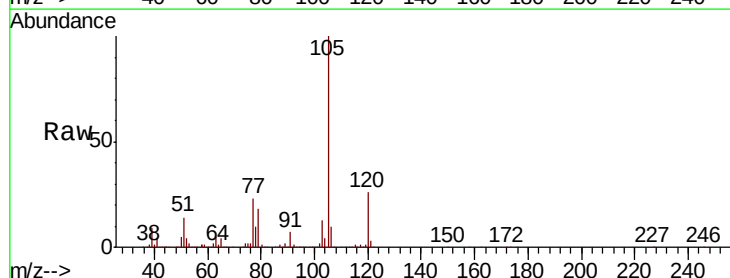
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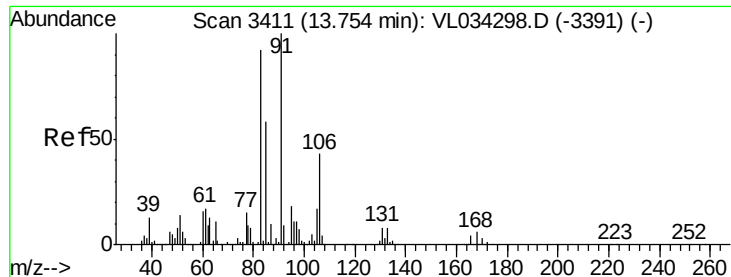
MMDadoda
10/18/2019 3:03:42 PM



#62
Isopropylbenzene
Concen: 8.696 ppbv
RT: 14.74 min Scan# 3719
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion:105 Resp: 3824150
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.449 ppbv

RT: 13.75 min Scan# 3411

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2074939

Ion Ratio Lower Upper

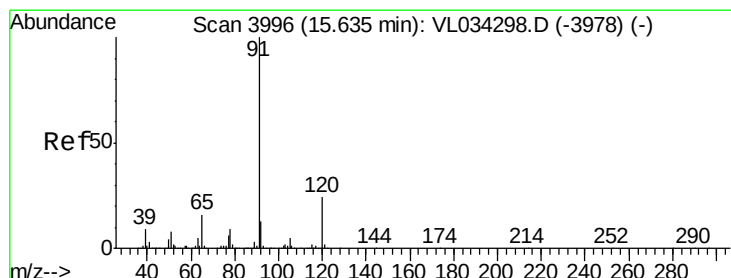
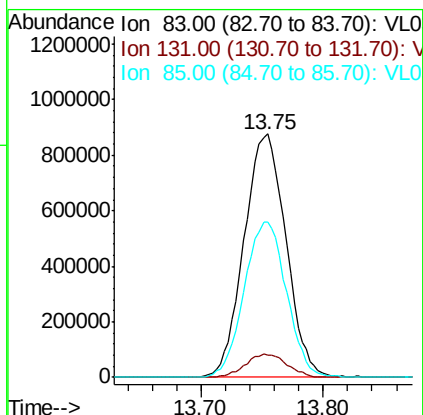
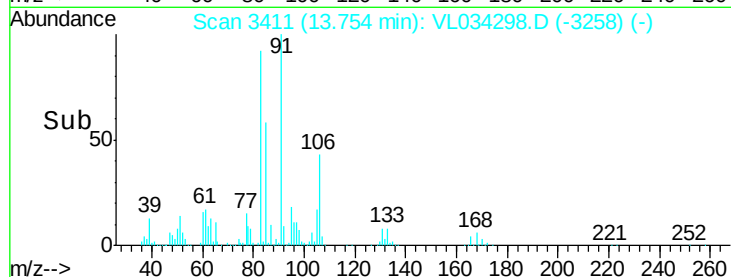
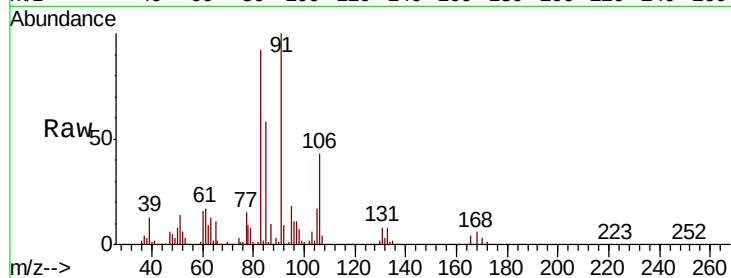
83 100

131 9.6 4.3 12.8

85 64.9 32.8 98.4

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#64

n-propylbenzene

Concen: 9.037 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. -0.02 min

Lab File: VL034298.D

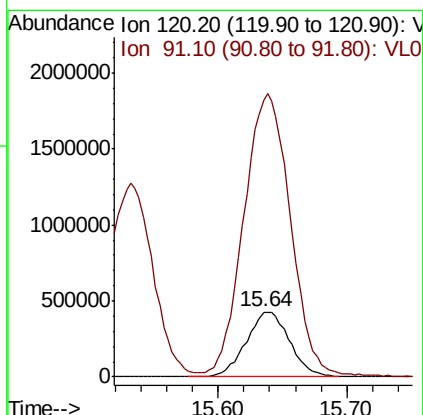
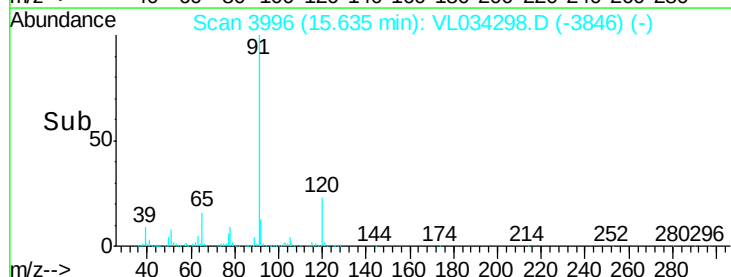
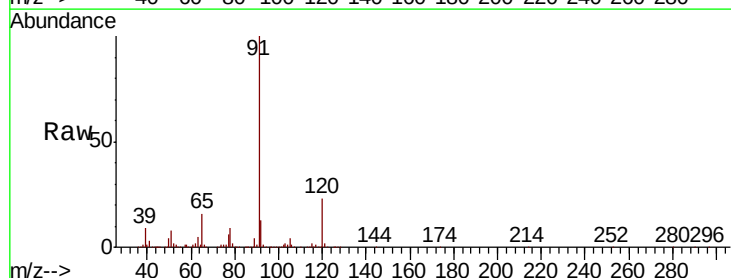
Acq: 16 Oct 2019 12:52

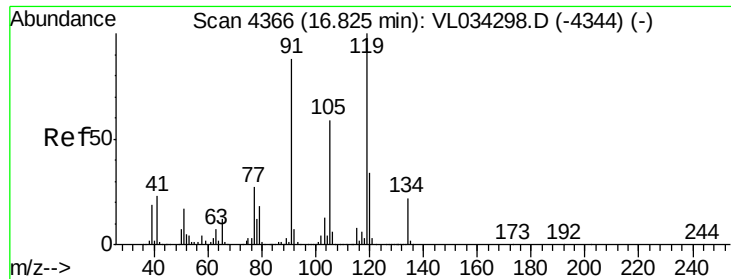
Tgt Ion: 120 Resp: 1005437

Ion Ratio Lower Upper

120 100

91 468.6 378.2 567.2





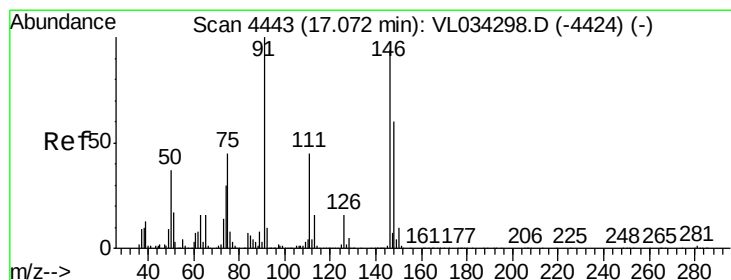
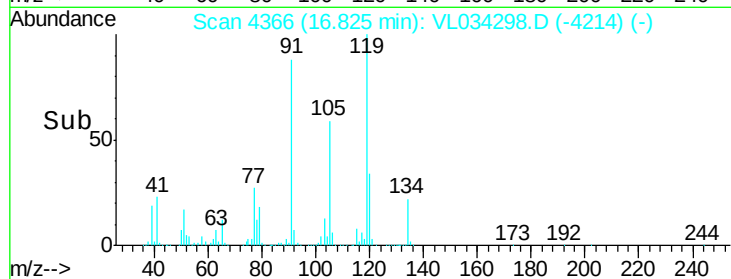
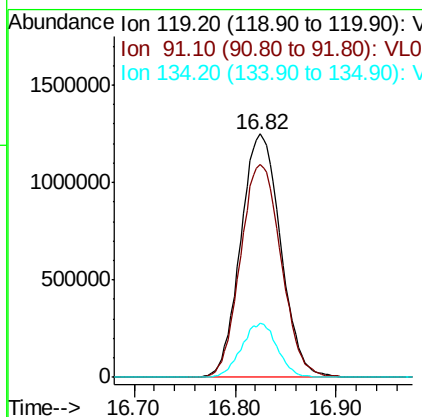
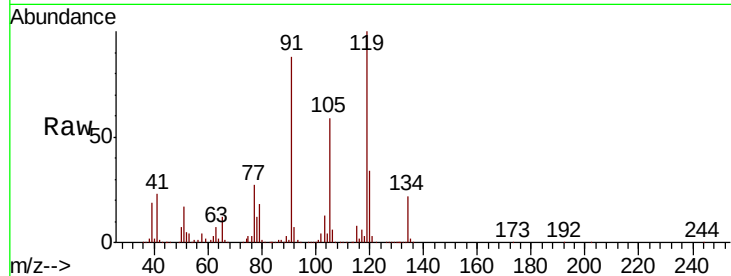
#65
 tert-Butylbenzene
 Concen: 8.922 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	89.2	74.9	112.3
134	19.9	15.8	23.6

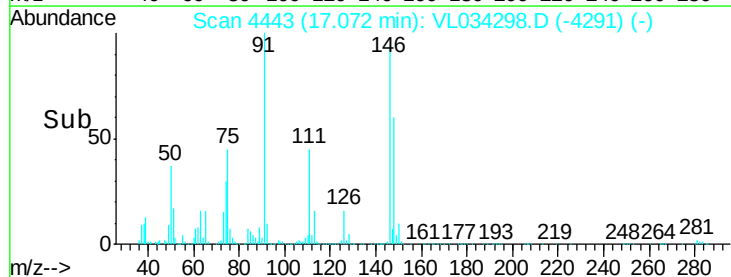
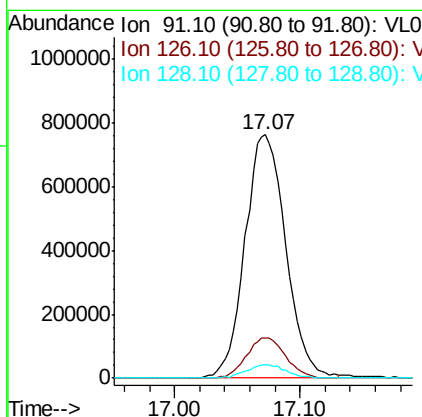
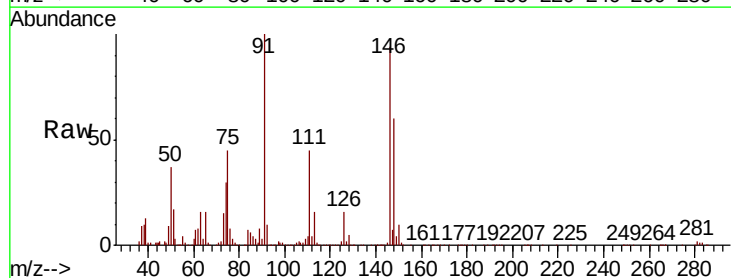
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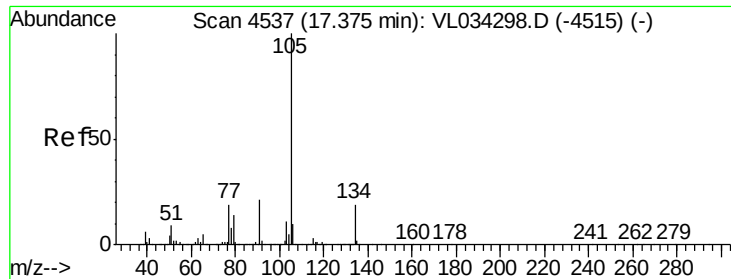
MMDadoda
 10/18/2019 3:03:42 PM



#66
 Benzyl Chloride
 Concen: 12.696 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.1	12.6	19.0
128	5.4	4.0	6.0





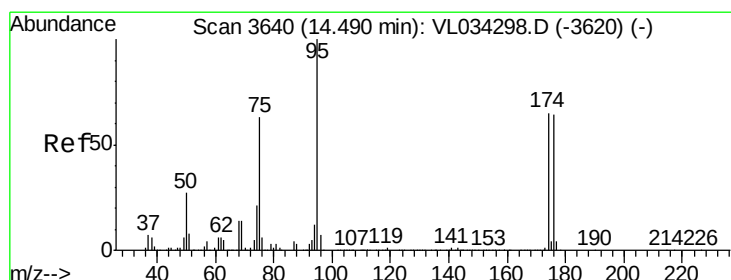
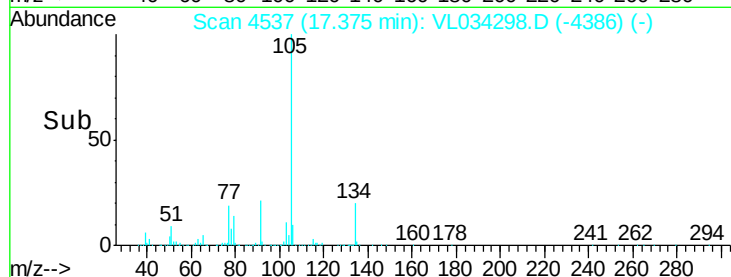
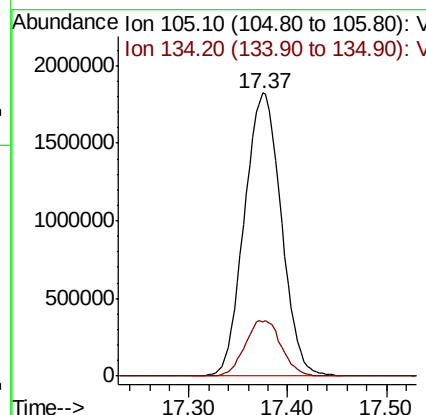
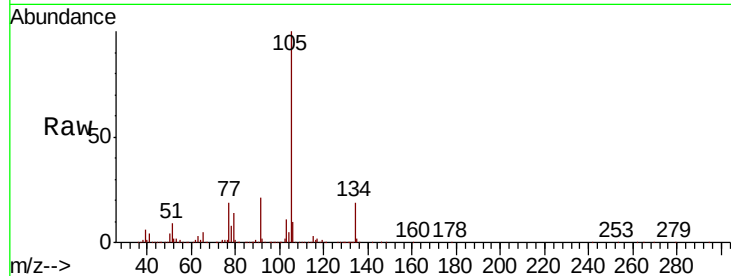
#67
 sec-Butylbenzene
 Concen: 8.585 ppbv
 RT: 17.37 min Scan# 4537
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4717059
 Ion Ratio Lower Upper
 105 100
 134 19.2 14.6 22.0

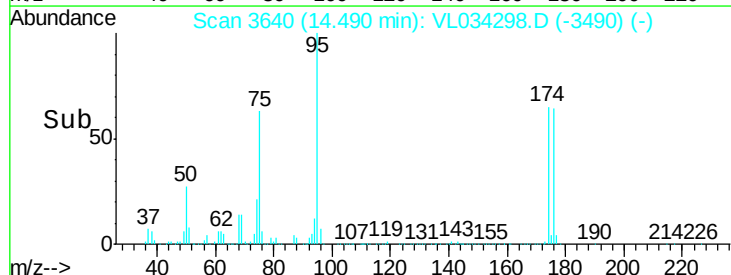
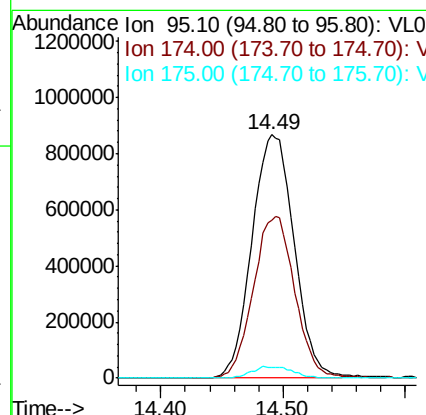
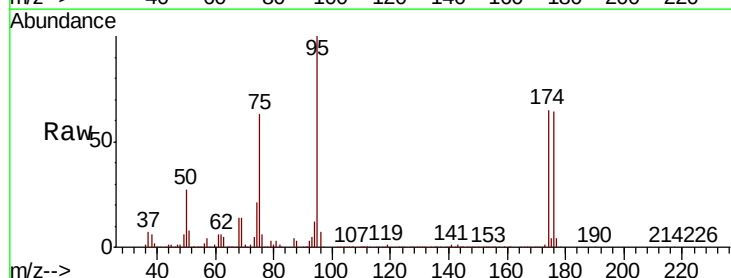
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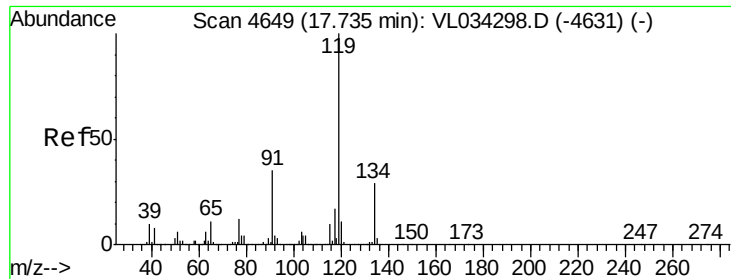
MMDadoda
 10/18/2019 3:03:42 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.369 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion: 95 Resp: 2069538
 Ion Ratio Lower Upper
 95 100
 174 65.7 45.1 67.7
 175 4.7 3.3 4.9





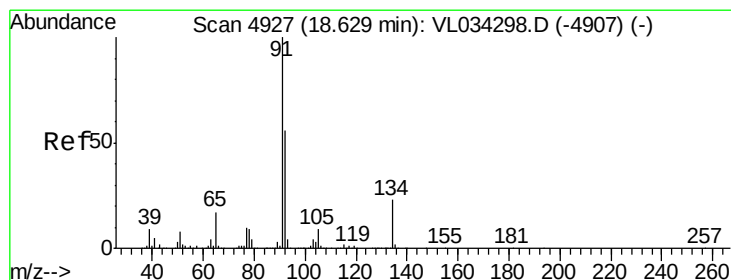
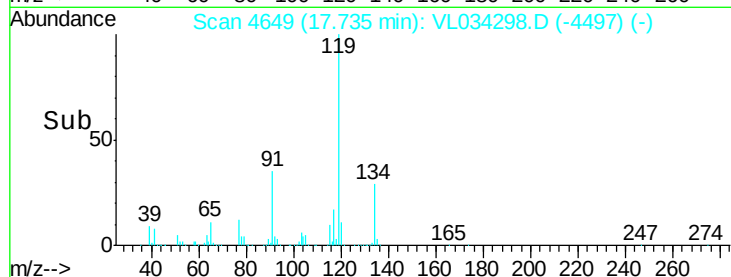
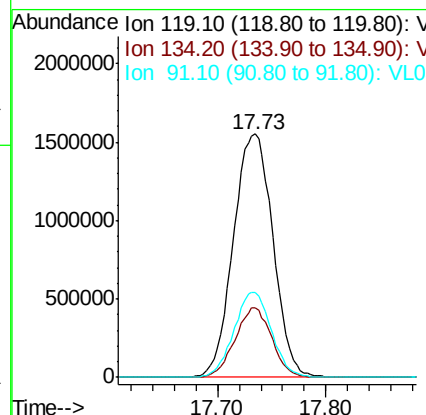
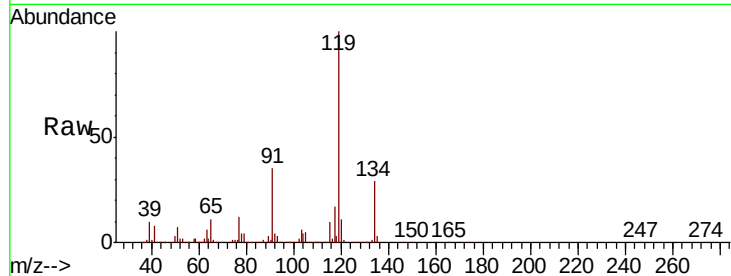
#69
 p-Isopropyltoluene
 Concen: 8.894 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.6	30.8
91	33.2	27.6	41.4

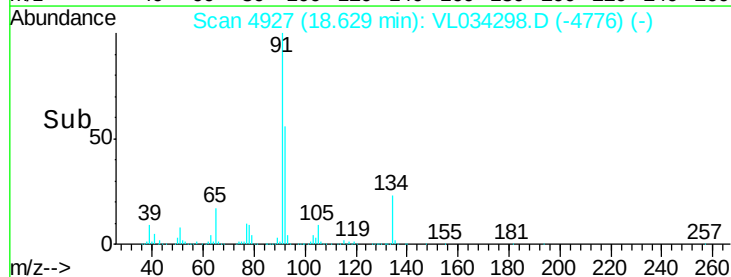
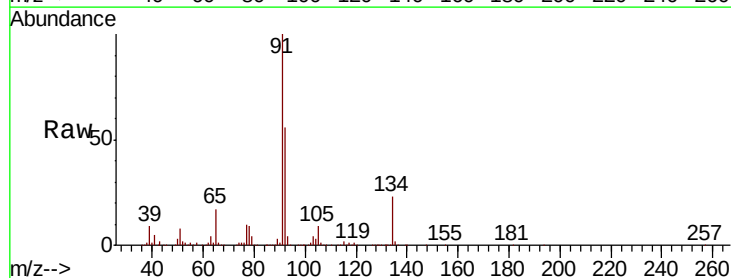
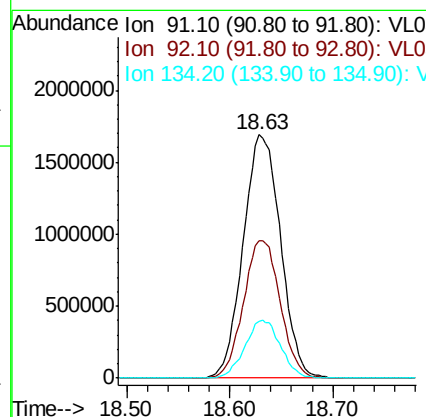
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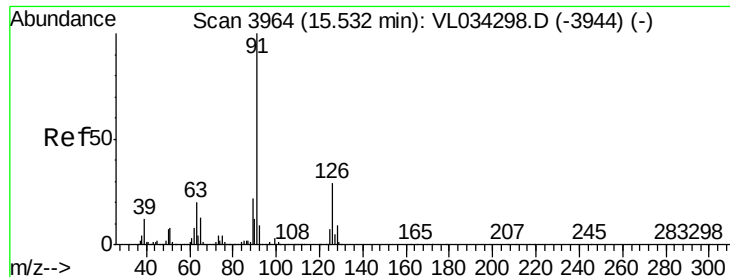
MMDadoda
 10/18/2019 3:03:42 PM



#70
 n-Butylbenzene
 Concen: 8.215 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.6	44.8	67.2
134	22.7	17.3	25.9





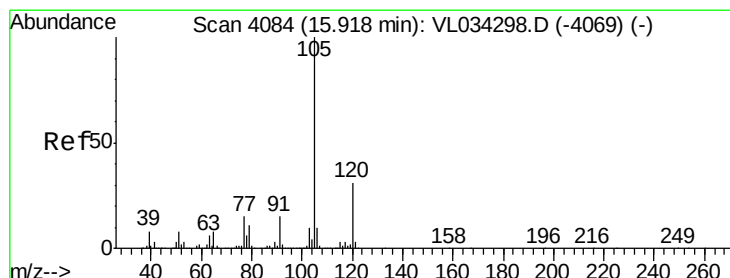
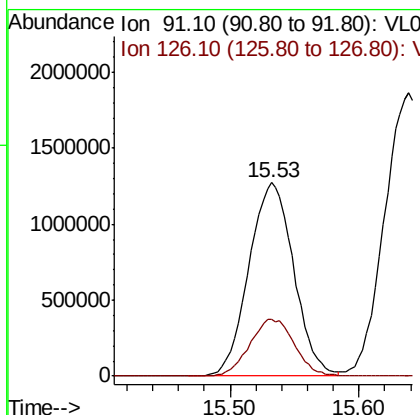
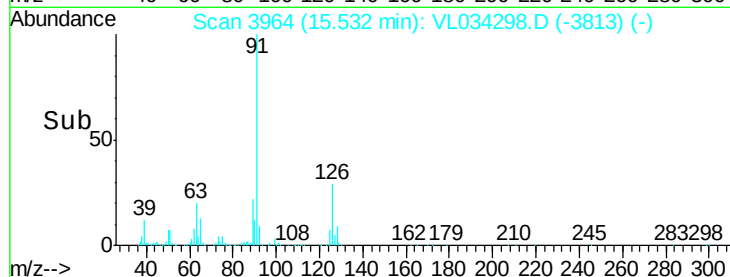
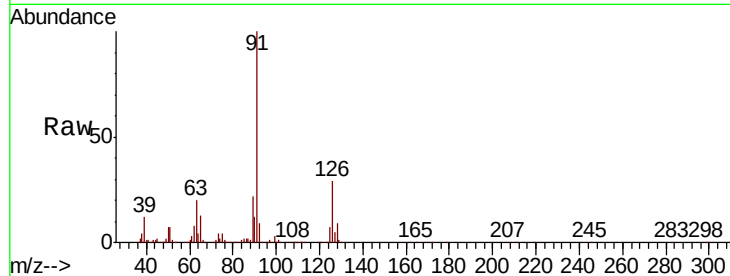
#71
 2-Chlorotoluene
 Concen: 8.567 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 3077949
 Ion Ratio Lower Upper
 91 100
 126 29.7 11.2 45.0

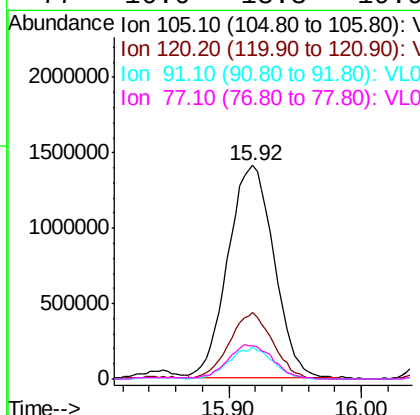
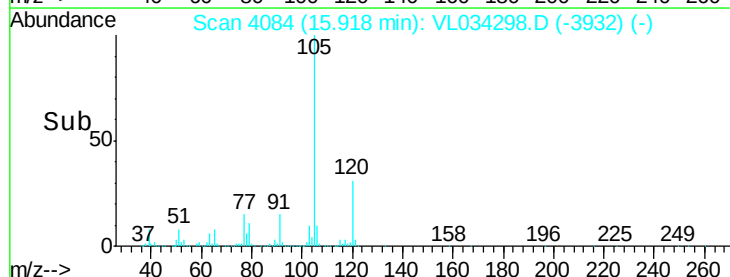
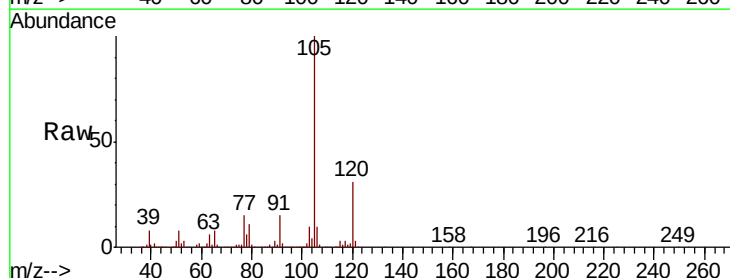
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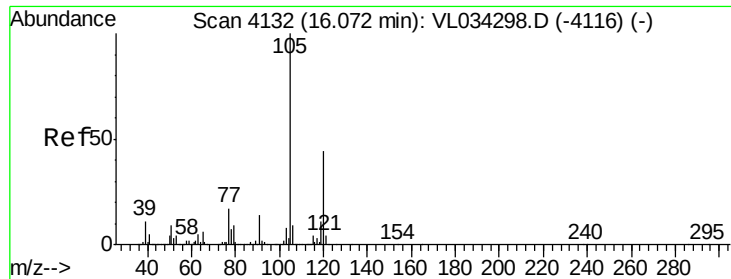
MMDadoda
 10/18/2019 3:03:42 PM



#72
 4-Ethyltoluene
 Concen: 8.854 ppbv
 RT: 15.92 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion: 105 Resp: 3398233
 Ion Ratio Lower Upper
 105 100
 120 29.8 23.3 34.9
 91 14.0 11.4 17.2
 77 16.0 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 8.859 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. -0.02 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3284600

Ion Ratio Lower Upper

105 100

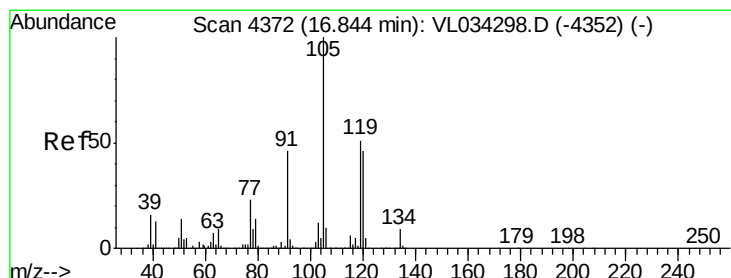
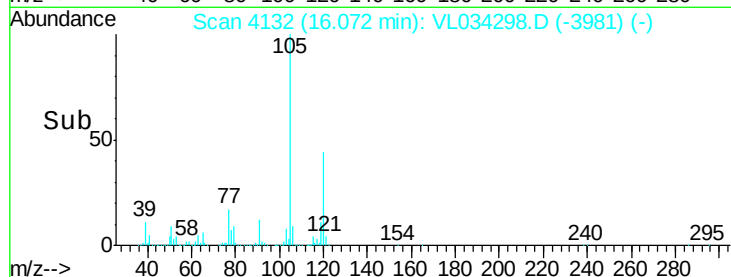
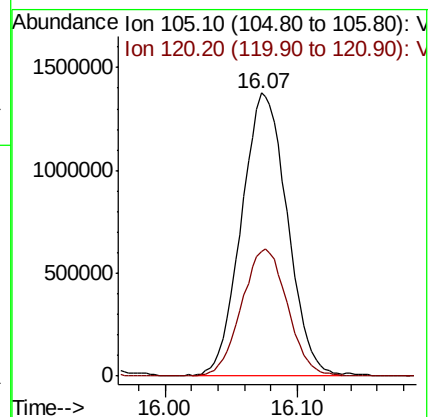
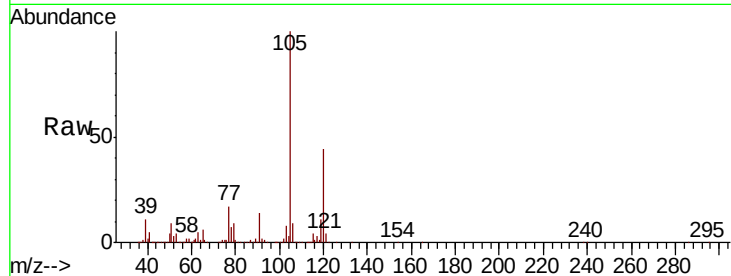
120 44.0 35.6 53.4

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#74

1,2,4-Trimethylbenzene

Concen: 8.565 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034298.D

Acq: 16 Oct 2019 12:52

Tgt Ion:105 Resp: 3372126

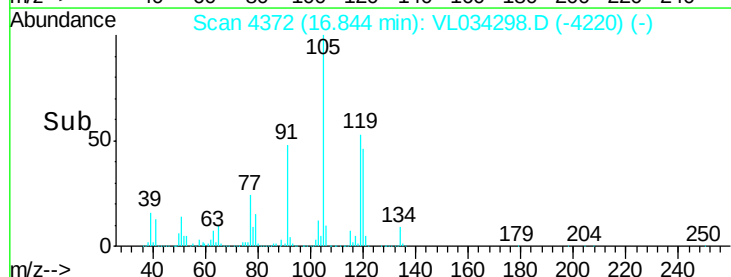
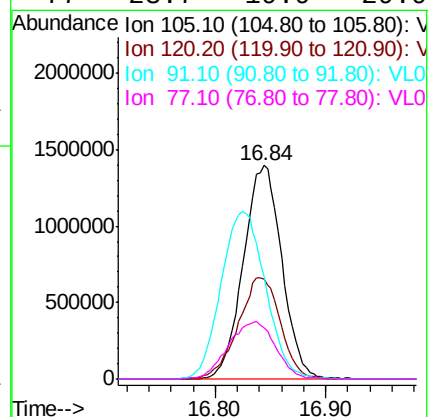
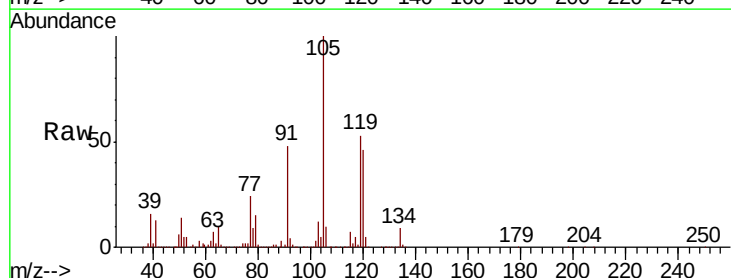
Ion Ratio Lower Upper

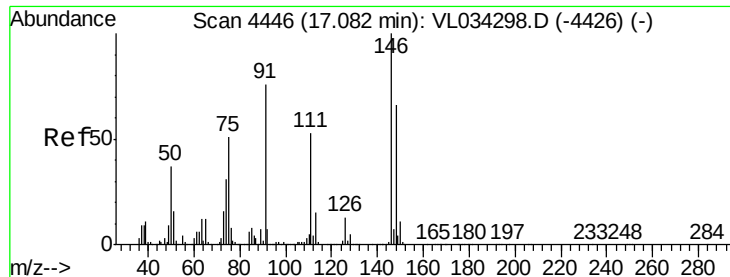
105 100

120 46.3 37.5 56.3

91 47.7 41.1 61.7

77 23.7 19.9 29.9





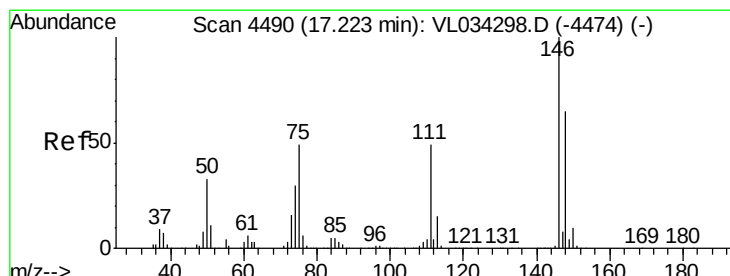
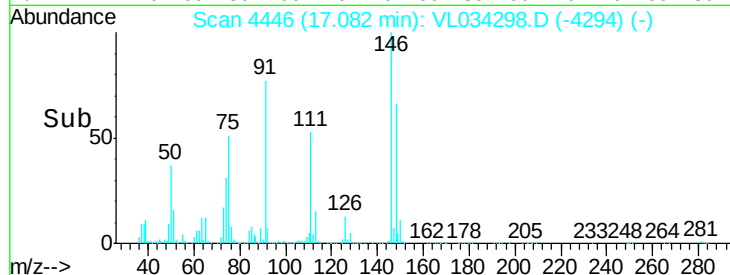
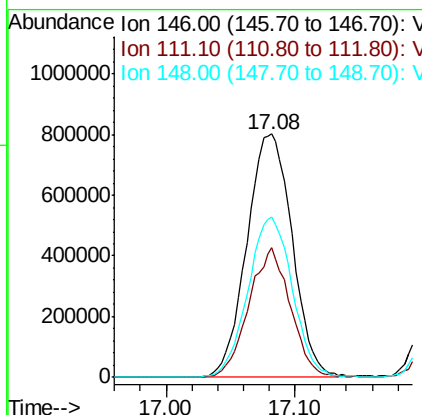
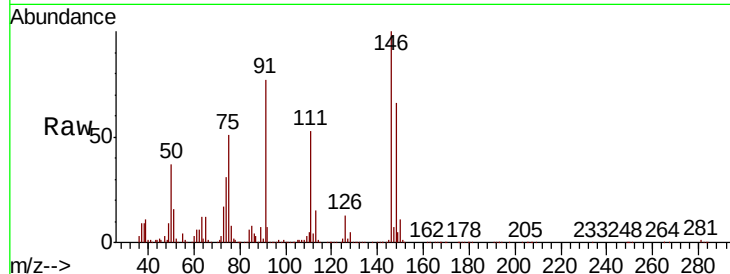
#75
 1,3-Dichlorobenzene
 Concen: 9.299 ppbv
 RT: 17.08 min Scan# 4446
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	25.9	77.8
148	64.5	32.6	97.7

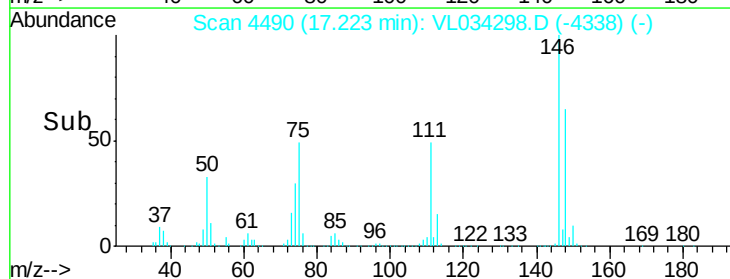
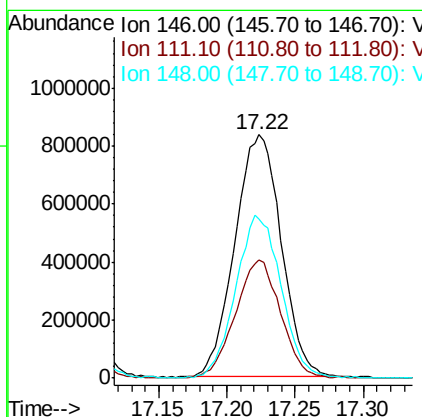
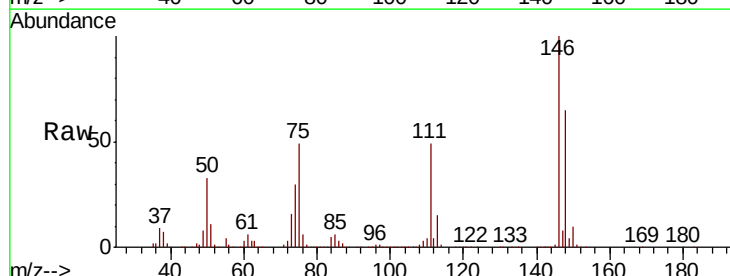
Manual Integrations
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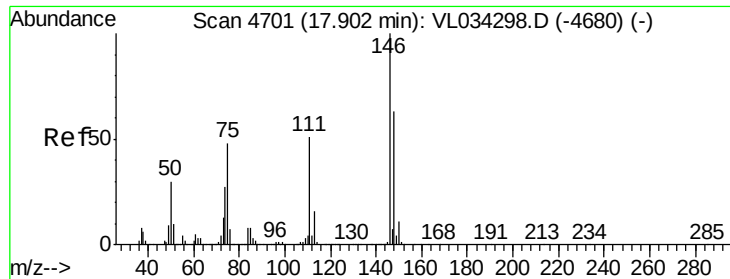
MMDadoda
 10/18/2019 3:03:42 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.127 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.6	74.0
148	66.1	32.4	97.0





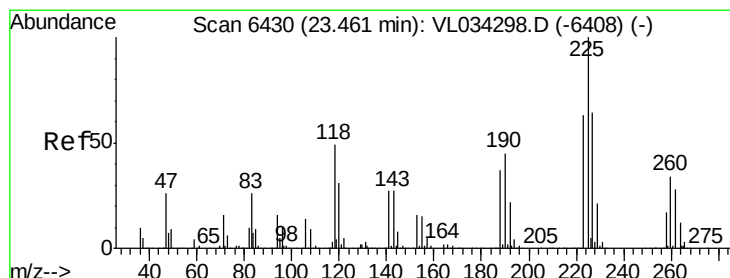
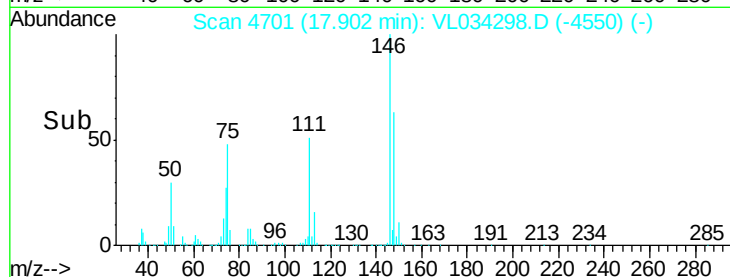
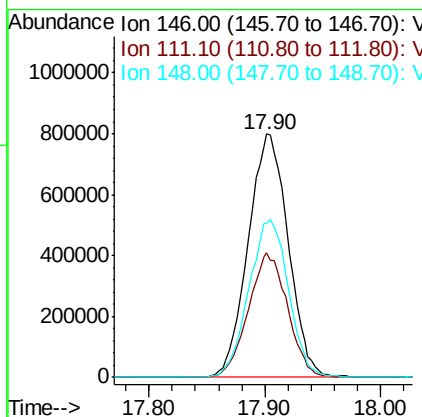
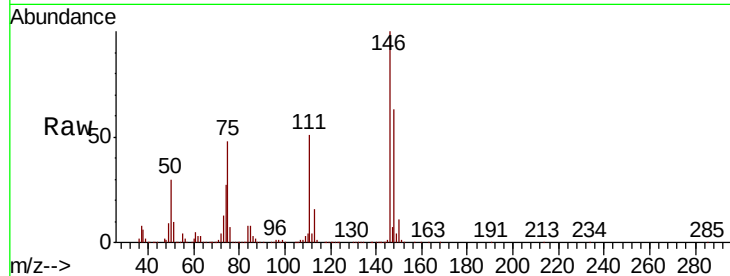
#77
 1,2-Dichlorobenzene
 Concen: 8.969 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1917513
 Ion Ratio Lower Upper
 146 100
 111 50.2 26.1 78.3
 148 64.5 31.9 95.9

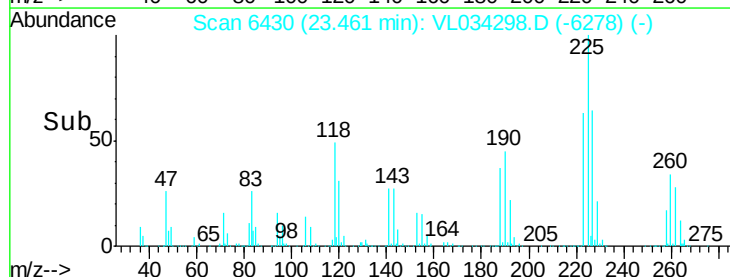
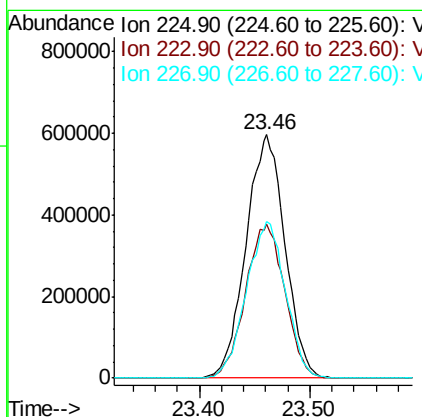
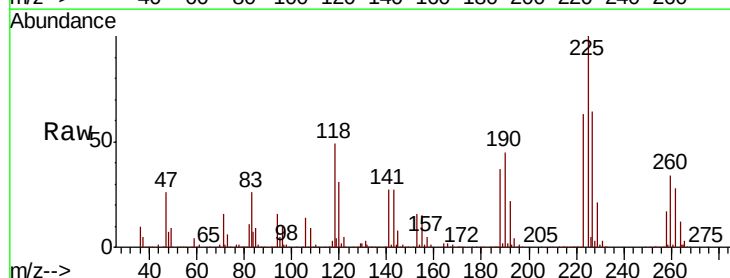
Manual Integrations
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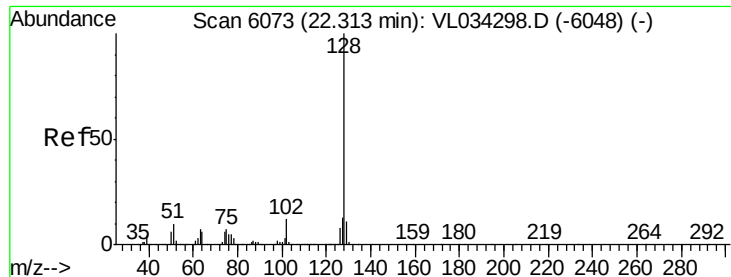
MMDadoda
 10/18/2019 3:03:42 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.305 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Tgt Ion:225 Resp: 1459304
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.7 77.5
 227 64.4 52.1 78.1





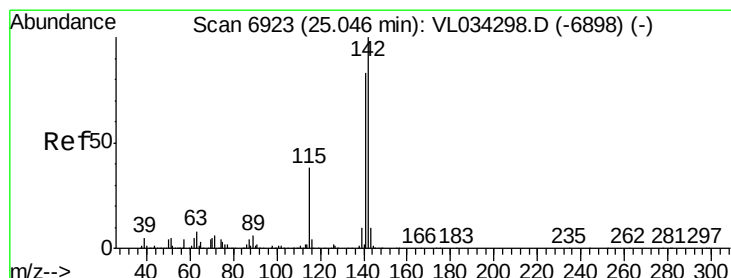
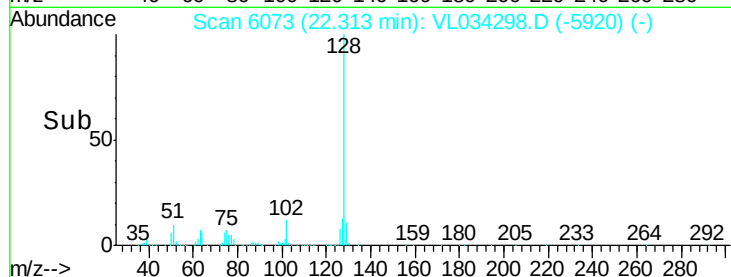
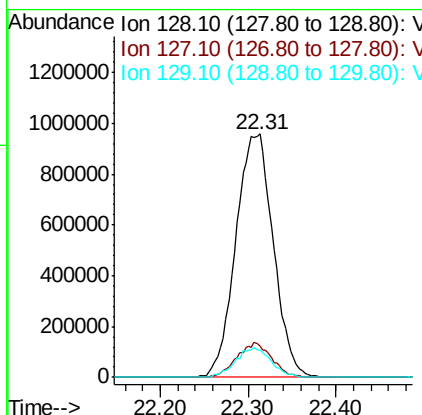
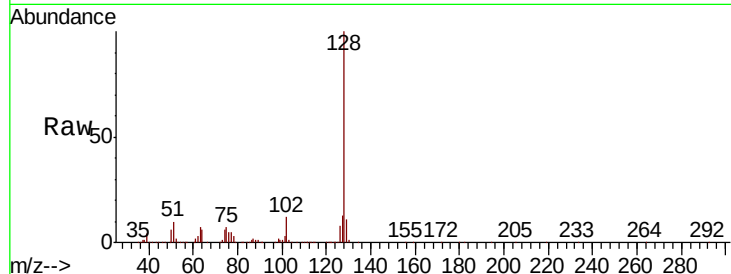
#79
Naphthalene
Concen: 8.188 ppbv m
RT: 22.31 min Scan# 6073
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.1	16.7
129	11.1	10.2	15.4

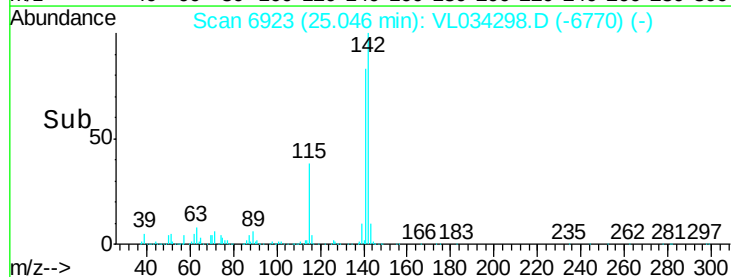
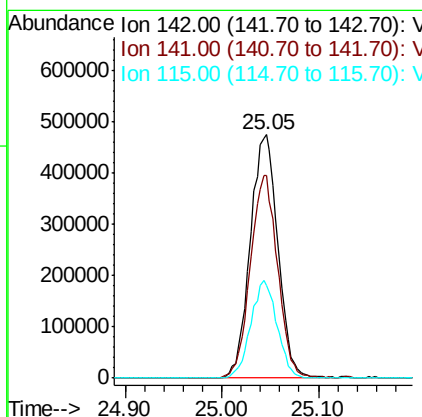
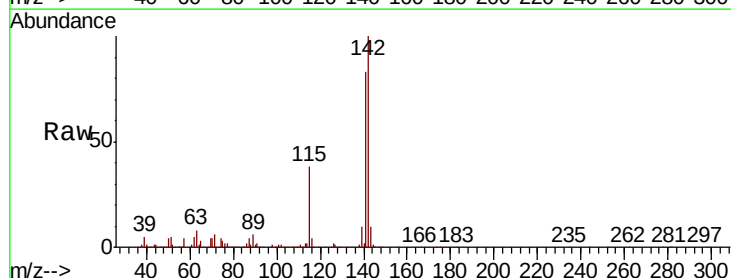
Manual Integrations
APPROVED

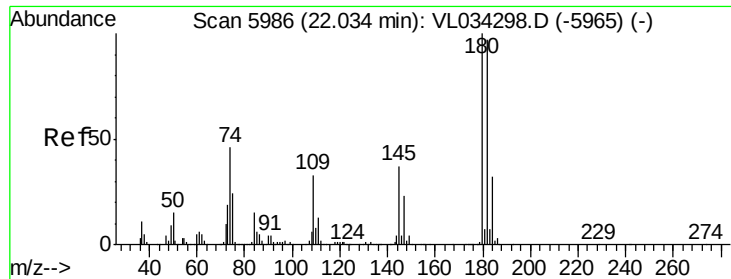
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#80
Naphthalene, 2-methyl-
Concen: 5.851 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. -0.01 min
Lab File: VL034298.D
Acq: 16 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	67.6	101.4
115	38.6	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.992 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034298.D
 Acq: 16 Oct 2019 12:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.4	116.2
184	31.8	25.0	37.4

Manual Integrations
 APPROVED

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 10/18/2019 3:03:42 PM

