

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071119\
 Data File : VL034017.D
 Acq On : 11 Jul 2019 13:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 10:46:52 PM

Quant Time: Jul 12 07:24:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1127791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2968645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3415095	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2345120	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1651152	7.095	ppbv	97
3) Chlorodifluoromethane	2.99	51	1318705	9.469	ppbv	100
4) Chloromethane	3.15	50	760620	9.498	ppbv	94
5) Vinyl Chloride	3.27	62	848976	9.428	ppbv	97
6) Bromomethane	3.49	94	530120	9.983	ppbv	99
7) Chloroethane	3.58	64	324195	10.074	ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2148157	9.467	ppbv	99
9) Propene	3.01	41	518328	10.117	ppbv	96
10) Heptane	8.21	43	1471418	11.471	ppbv	99
11) Trichlorofluoromethane	3.98	101	2310351	8.828	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1729688	9.338	ppbv	98
13) Ethanol	3.62	45	129234m	8.120	ppbv	
14) Bromoethene	3.76	108	722203	10.440	ppbv	99
15) Acetone	3.88	43	1562692	8.241	ppbv	98
16) 1,3-Butadiene	3.34	39	694539	10.373	ppbv	99
17) tert-Butyl alcohol	4.33	59	1303820	8.625	ppbv	99
18) 1,1-Dichloroethene	4.33	96	767437	9.302	ppbv	98
19) Isopropyl Alcohol	4.00	45	1011439	7.947	ppbv	99
20) Methylene Chloride	4.38	84	683215	8.262	ppbv	99
21) Allyl Chloride	4.45	41	1141631	9.656	ppbv	99
22) trans-1,2-Dichloroethene	4.93	96	808179	10.280	ppbv	99
23) Vinyl Acetate	5.12	43	2172972	11.482	ppbv	98
24) 1,1-Dichloroethane	5.06	63	1730144	10.315	ppbv	98
25) Ethyl Acetate	5.74	43	2752374	10.613	ppbv	99
26) Hexane	5.74	57	1268116	10.685	ppbv	98
27) Carbon Disulfide	4.59	76	2095423	10.386	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	2247338	11.182	ppbv	100
29) Chloroform	5.82	83	2194598	9.840	ppbv	96
30) Cyclohexane	7.21	84	1095010	11.947	ppbv	94
31) cis-1,2-Dichloroethene	5.61	61	1287613	11.230	ppbv	98
32) 1,1,1-Trichloroethane	6.58	97	2189470	9.686	ppbv	99
34) 2-Butanone	5.30	43	1698456	10.810	ppbv	99
35) Carbon Tetrachloride	7.10	117	2300679	9.790	ppbv	98
36) Benzene	6.97	78	2570560	11.066	ppbv	97
37) 1,2-Dichloroethane	6.38	62	1679925	9.817	ppbv	100
38) Trichloroethene	7.92	130	1115114	10.789	ppbv	97
39) 1,2-Dichloropropane	7.70	63	911772	10.556	ppbv	95
40) 1,4-Dioxane	7.91	88	375463	9.415	ppbv #	97
41) Tetrahydrofuran	6.11	42	887336	11.516	ppbv	98
42) Bromodichloromethane	7.88	83	2361201	10.284	ppbv	99
43) Methyl Methacrylate	8.10	69	1049017	11.903	ppbv	98

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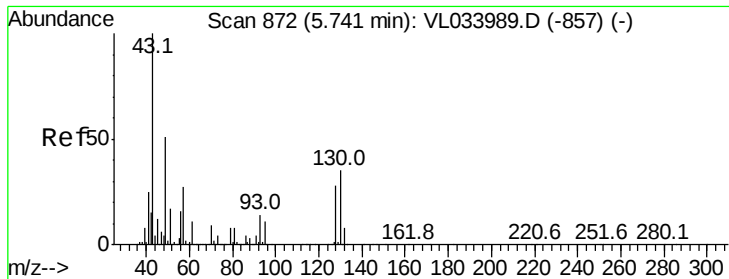
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4285332	10.687	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1473714	12.787	ppbv	99
46) cis-1,3-Dichloropropene	8.80	75	1645702	12.330	ppbv	94
47) 1,1,2-Trichloroethane	9.58	97	1129180	10.398	ppbv	96
48) Dibromochloromethane	10.41	129	2105708	10.161	ppbv	100
49) Bromoform	13.16	173	1987252	11.225	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2572974	11.036	ppbv	100
51) 2-Hexanone	10.23	43	2098415	11.160	ppbv	100
52) Tetrachloroethene	11.33	164	1061056	10.613	ppbv	98
53) Toluene	9.91	91	3193819	12.011	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1761448	10.990	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	1396284	9.148	ppbv	99
57) Chlorobenzene	12.26	112	2511999	9.239	ppbv	99
58) Ethyl Benzene	12.82	91	4361286	10.620	ppbv	100
59) m/p-Xylene	13.11	91	7530042m	20.250	ppbv	
60) o-Xylene	13.80	91	3624127	9.742	ppbv	99
61) Styrene	13.64	104	2684727	10.905	ppbv	99
62) Isopropylbenzene	14.78	105	4752365	8.310	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.79	83	2529288	8.784	ppbv	99
64) n-propylbenzene	15.68	120	1221139	8.235	ppbv	98
65) tert-Butylbenzene	16.87	119	4269655	8.780	ppbv	99
66) Benzyl Chloride	17.11	91	2431953	9.775	ppbv	100
67) sec-Butylbenzene	17.42	105	6027591	8.831	ppbv	99
69) p-Isopropyltoluene	17.77	119	4985553	8.859	ppbv	99
70) n-Butylbenzene	18.67	91	5180760	8.763	ppbv	99
71) 2-Chlorotoluene	15.57	91	3563723	8.515	ppbv	99
72) 4-Ethyltoluene	15.96	105	4111405	8.606	ppbv	100
73) 1,3,5-Trimethylbenzene	16.11	105	4033850	9.075	ppbv	98
74) 1,2,4-Trimethylbenzene	16.88	105	4170138	8.470	ppbv	98
75) 1,3-Dichlorobenzene	17.12	146	2479343	7.928	ppbv	100
76) 1,4-Dichlorobenzene	17.26	146	2487633	8.446	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2352608	8.124	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	2229276	9.047	ppbv	98
79) Naphthalene	22.35	128	3874595	9.361	ppbv	97
80) Naphthalene, 2-methyl-	25.08	142	1993192	13.233	ppbv	97
81) 1,2,4-Trichlorobenzene	22.08	180	2271989	8.547	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1127791

Ion Ratio Lower Upper

49 100

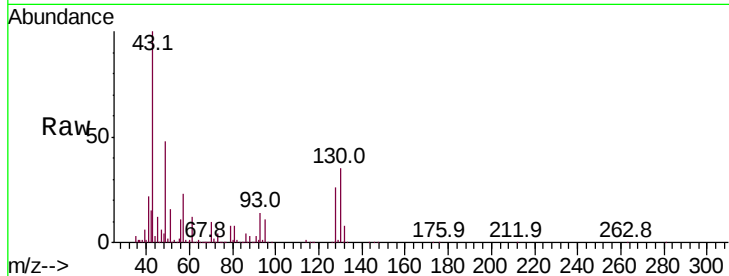
128 56.6 27.9 83.6

130 72.3 35.8 107.4

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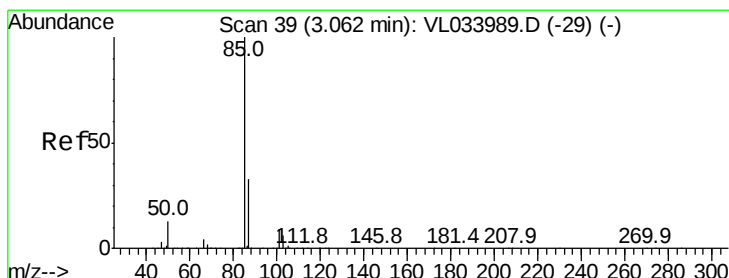
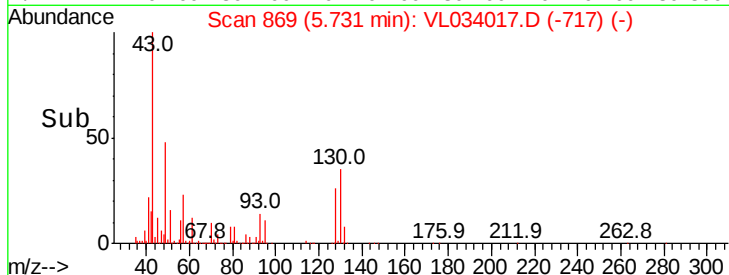
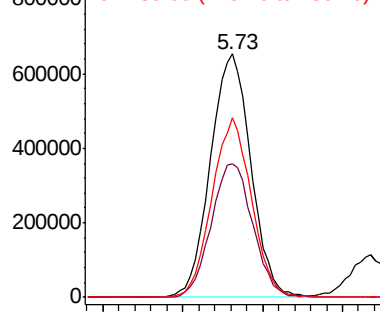
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.095 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034017.D

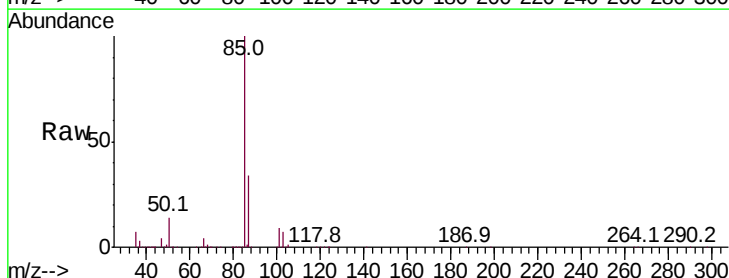
Acq: 11 Jul 2019 13:01

Tgt Ion: 85 Resp: 1651152

Ion Ratio Lower Upper

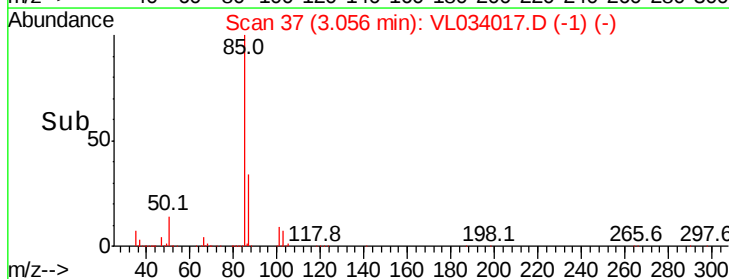
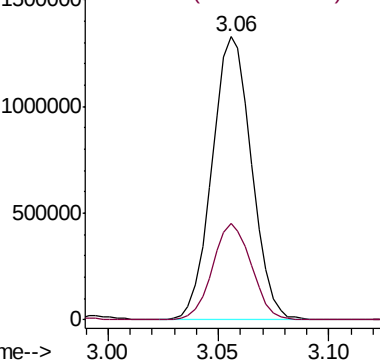
85 100

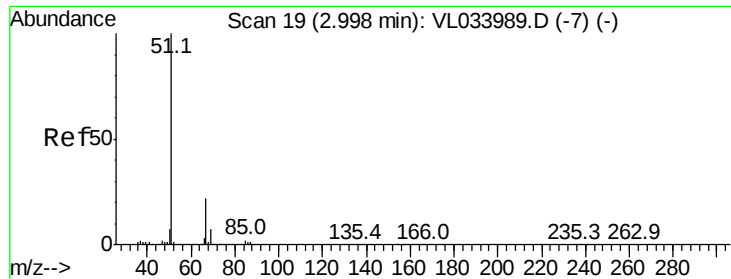
87 34.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





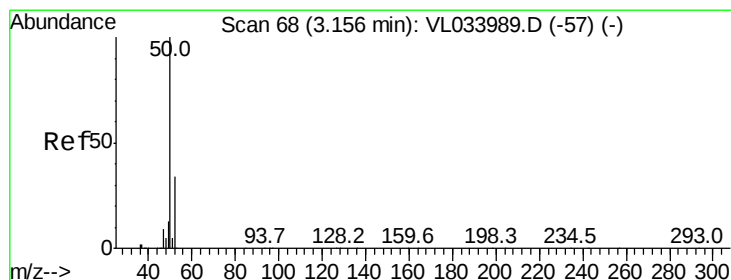
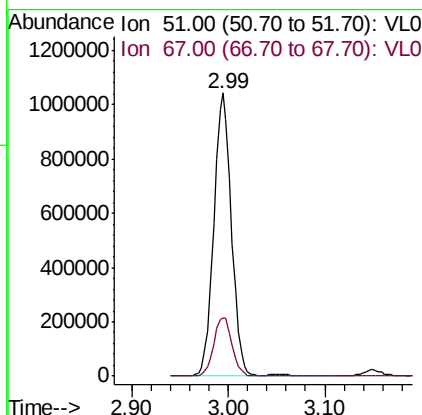
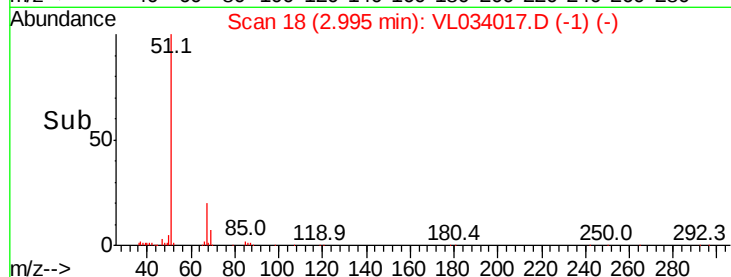
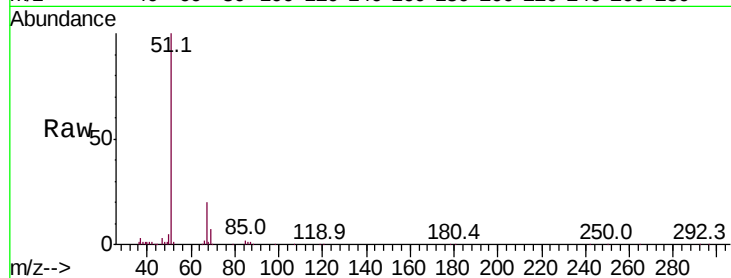
#3
Chlorodifluoromethane
Concen: 9.469 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.00 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1318705
Ion Ratio Lower Upper
51 100
67 21.4 17.3 25.9

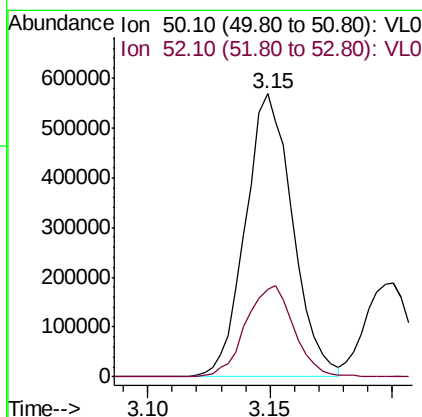
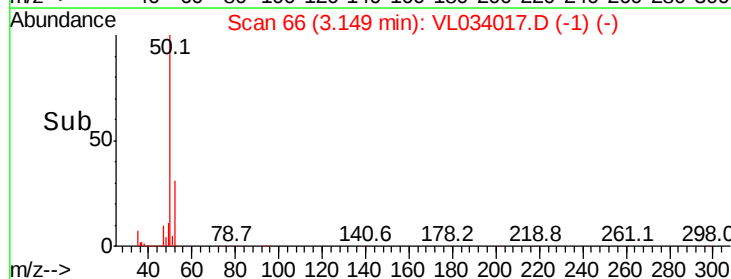
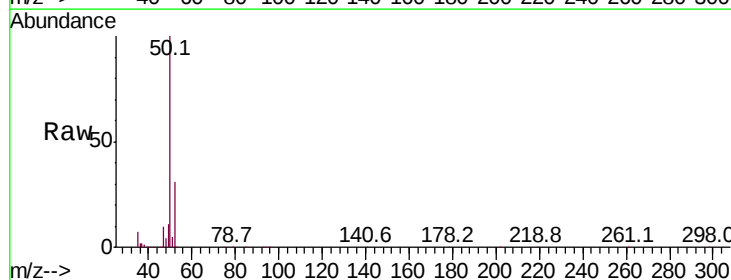
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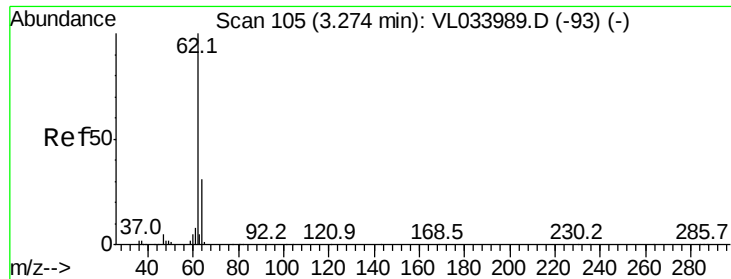
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#4
Chloromethane
Concen: 9.498 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 50 Resp: 760620
Ion Ratio Lower Upper
50 100
52 30.6 27.4 41.0





#5

Vinyl Chloride

Concen: 9.428 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 848976

Ion Ratio Lower Upper

62 100

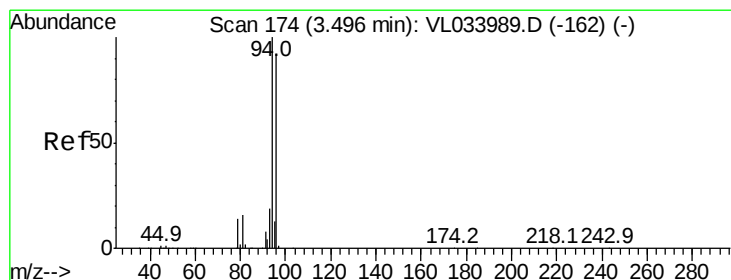
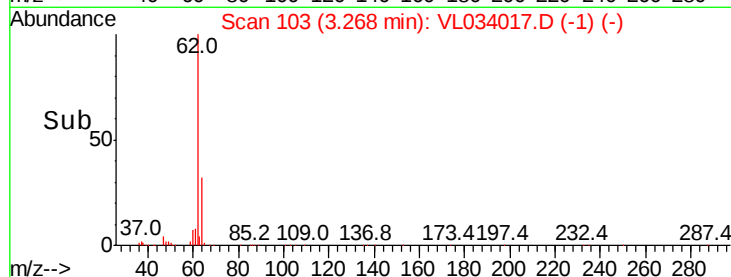
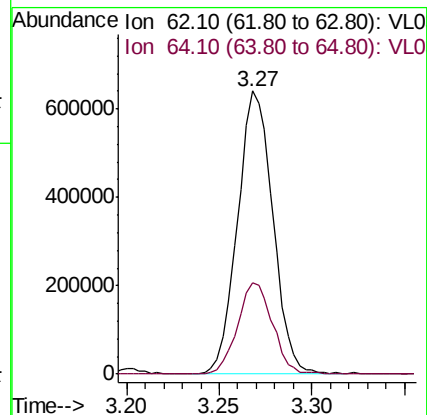
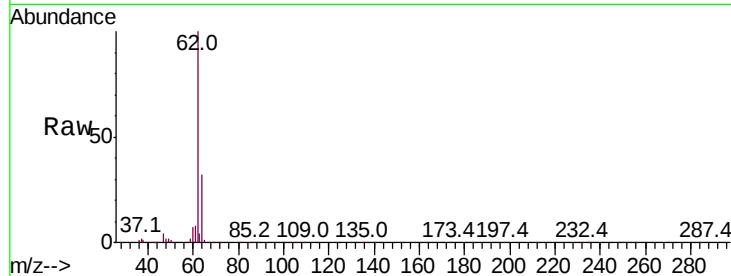
64 32.1 24.4 36.6

Manual Integrations

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#6

Bromomethane

Concen: 9.983 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034017.D

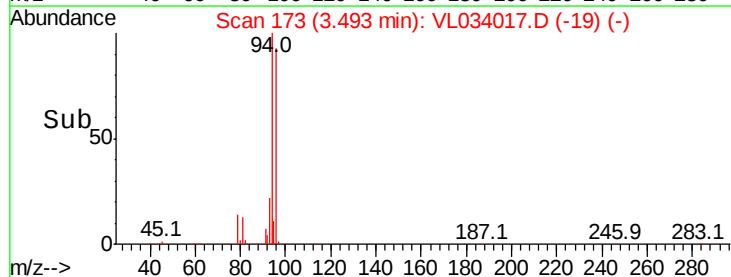
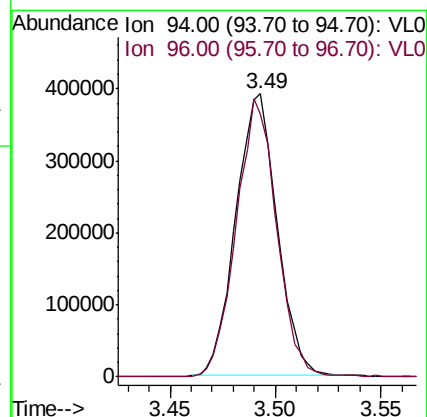
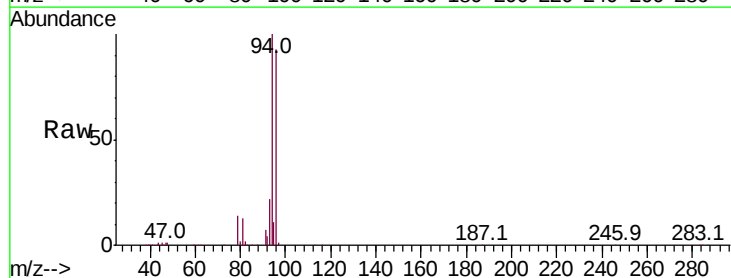
Acq: 11 Jul 2019 13:01

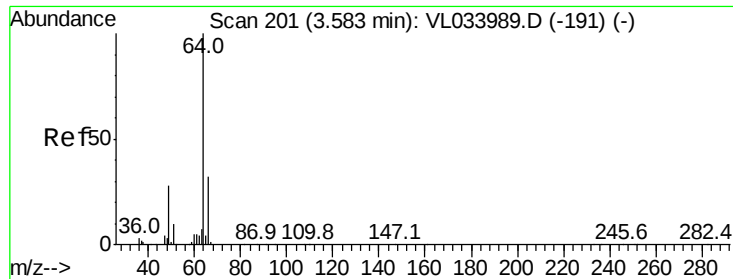
Tgt Ion: 94 Resp: 530120

Ion Ratio Lower Upper

94 100

96 93.0 73.8 110.8





#7

Chloroethane

Concen: 10.074 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 324195

Ion Ratio Lower Upper

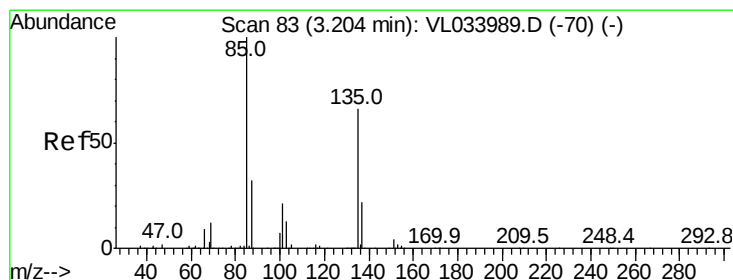
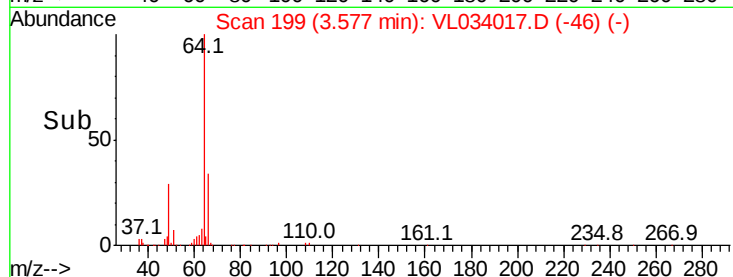
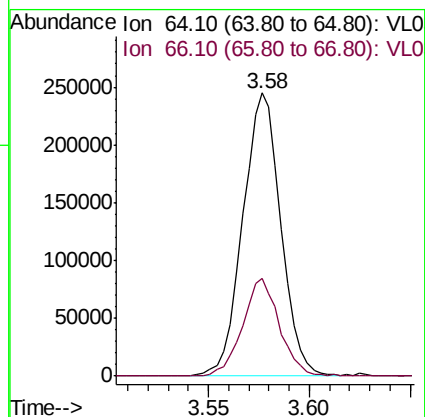
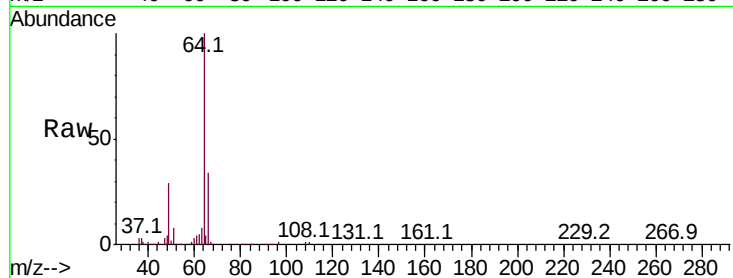
64 100

66 34.4 25.3 37.9

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#8

Dichlorotetrafluoroethane

Concen: 9.467 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034017.D

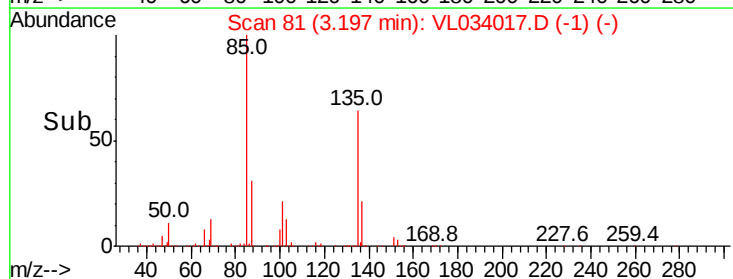
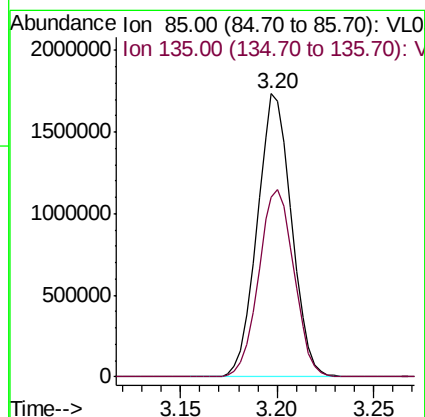
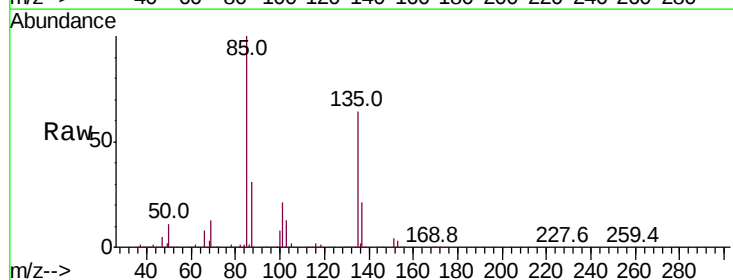
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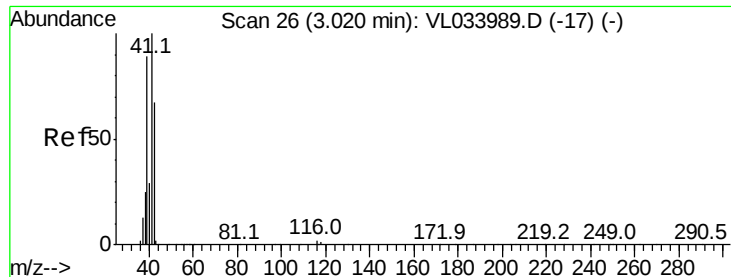
Tgt Ion: 85 Resp: 2148157

Ion Ratio Lower Upper

85 100

135 68.2 55.0 82.4





#9

Propene

Concen: 10.117 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 518328

Ion Ratio Lower Upper

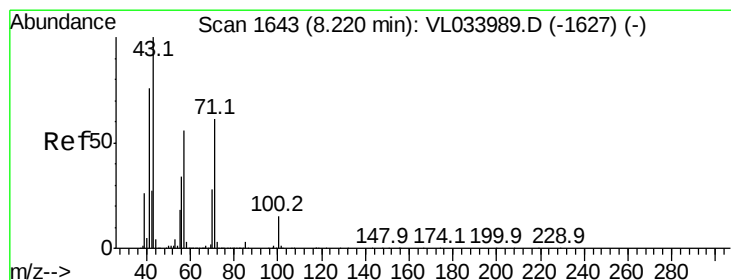
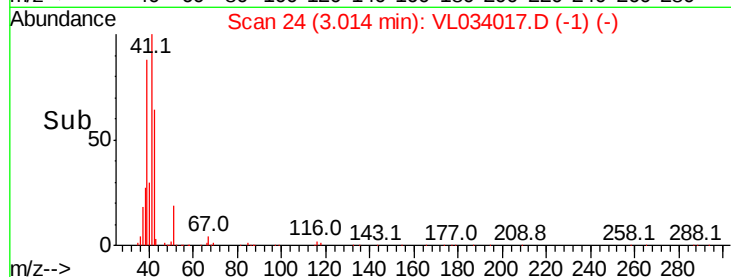
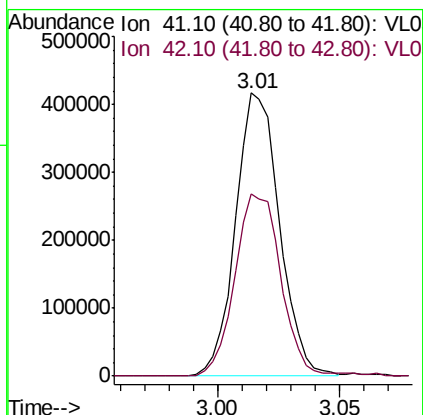
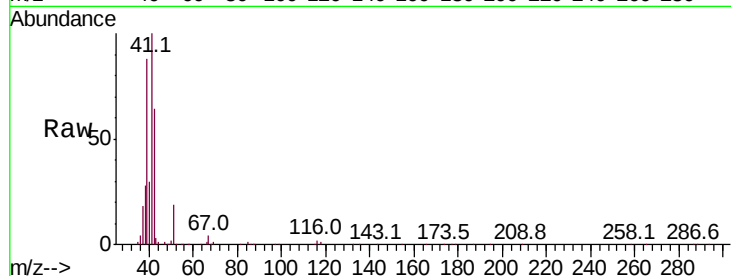
41 100

42 68.2 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 11.471 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034017.D

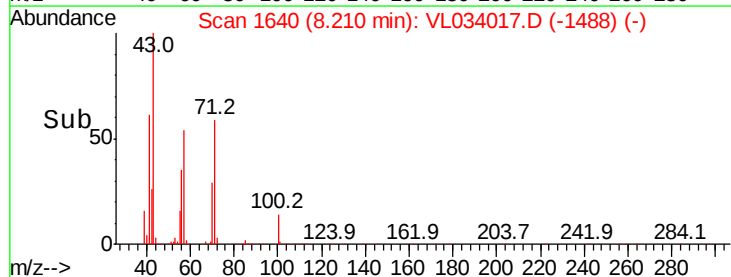
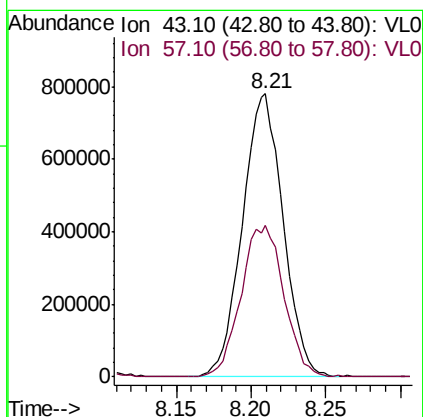
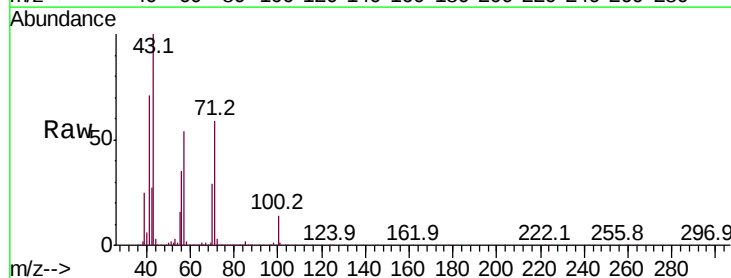
Acq: 11 Jul 2019 13:01

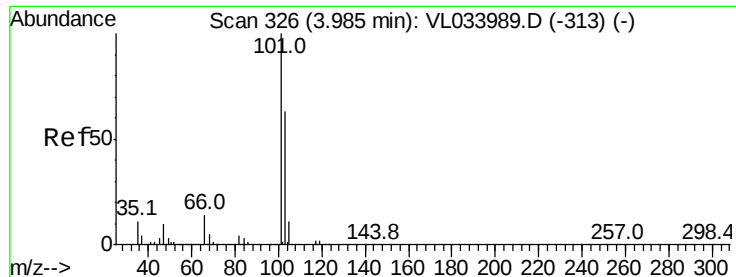
Tgt Ion: 43 Resp: 1471418

Ion Ratio Lower Upper

43 100

57 56.5 44.6 66.8





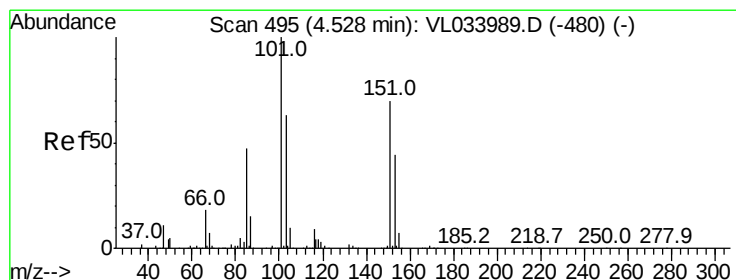
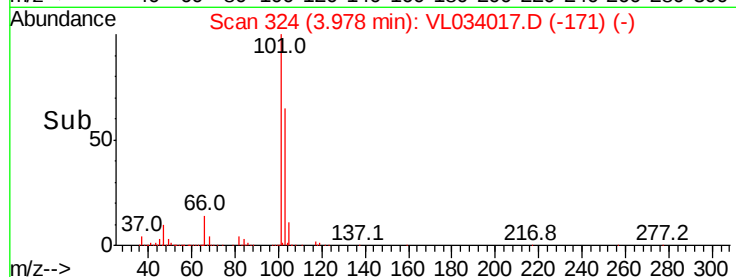
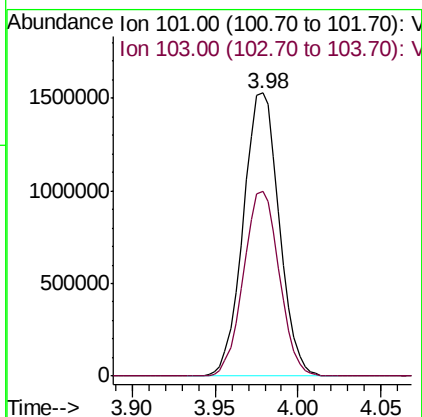
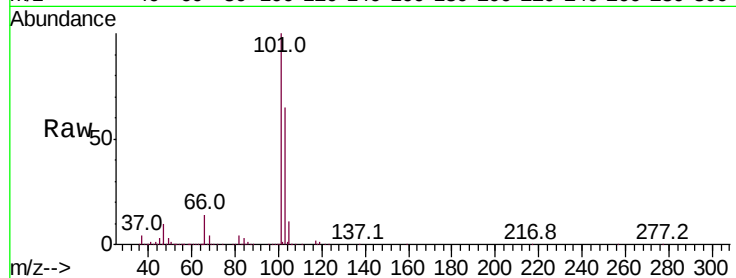
#11
 Trichlorofluoromethane
 Concen: 8.828 ppbv
 RT: 3.98 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2310351
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.8 76.2

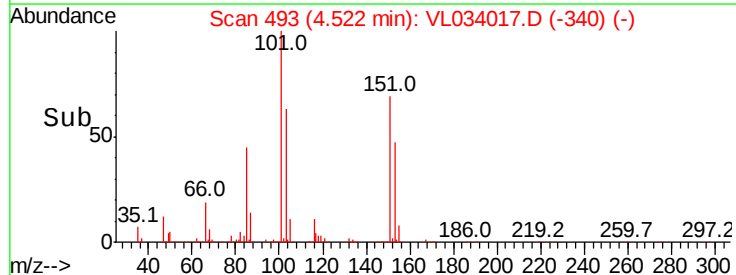
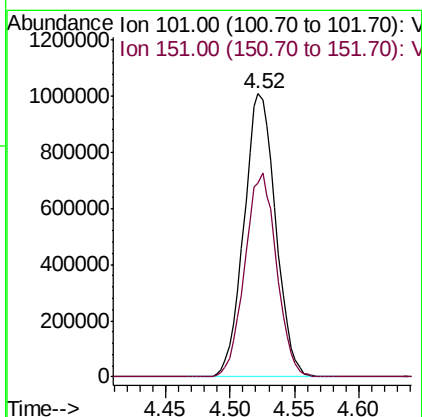
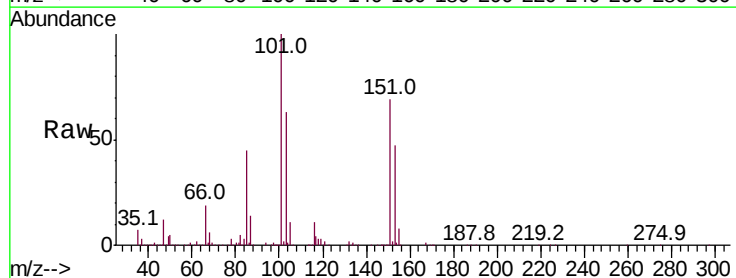
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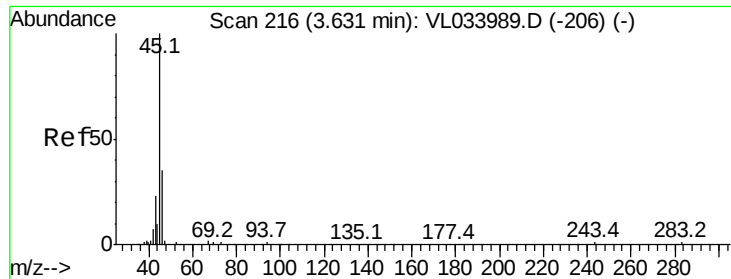
MMDadoda
 7/12/2019 10:46:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.338 ppbv
 RT: 4.52 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion:101 Resp: 1729688
 Ion Ratio Lower Upper
 101 100
 151 72.2 59.0 88.4





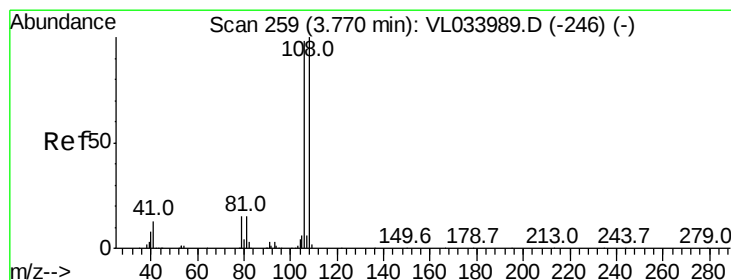
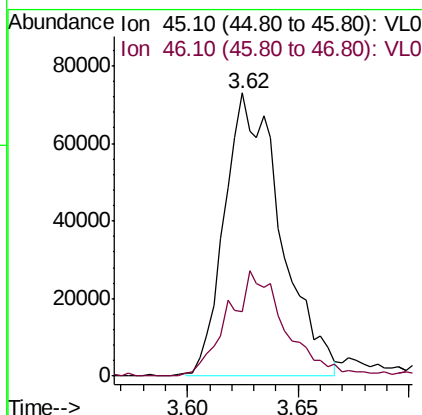
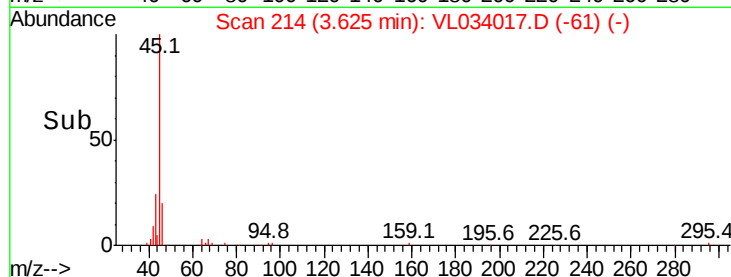
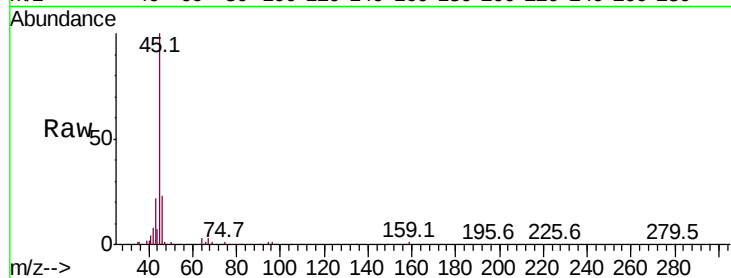
#13
Ethanol
Concen: 8.120 ppbv m
RT: 3.62 min Scan# 214
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.5	16.2	64.6

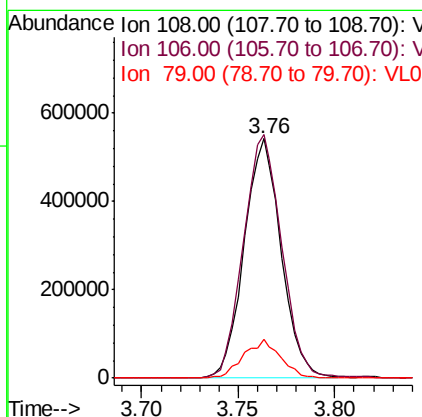
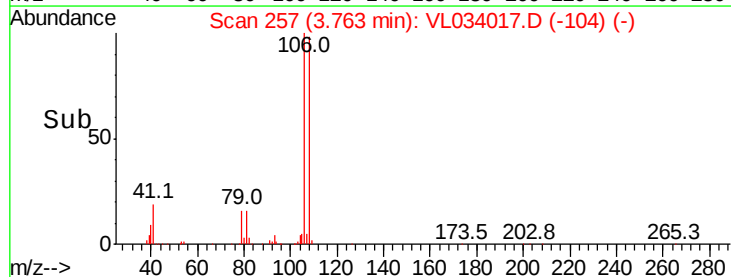
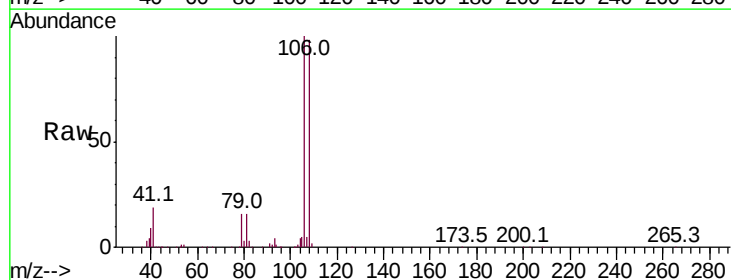
Manual Integrations
APPROVED

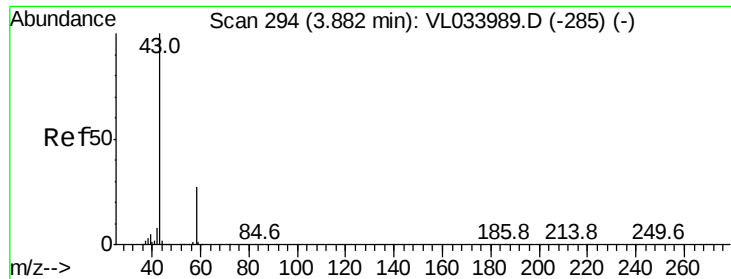
MMDadoda
7/12/2019 10:46:52 PM



#14
Bromoethene
Concen: 10.440 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.6	128.4
79	16.4	14.0	21.0





#15

Acetone

Concen: 8.241 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1562692

Ion Ratio Lower Upper

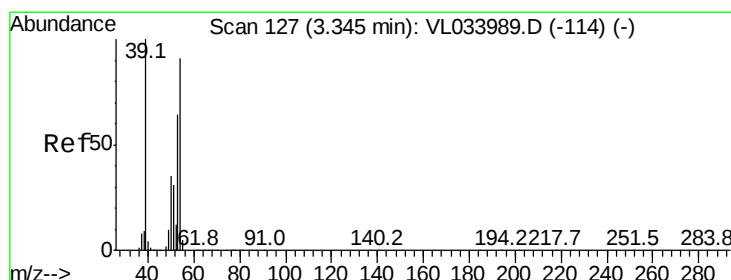
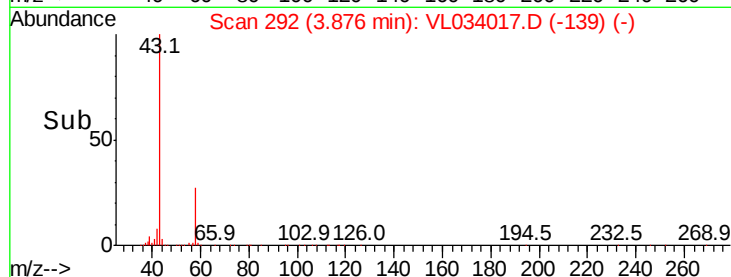
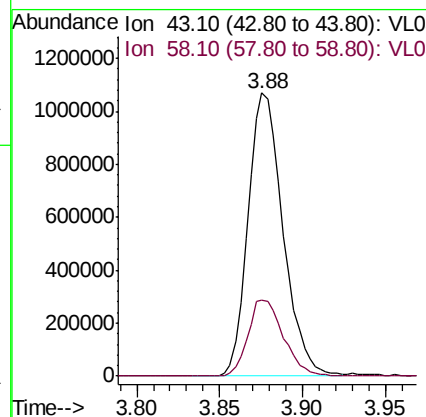
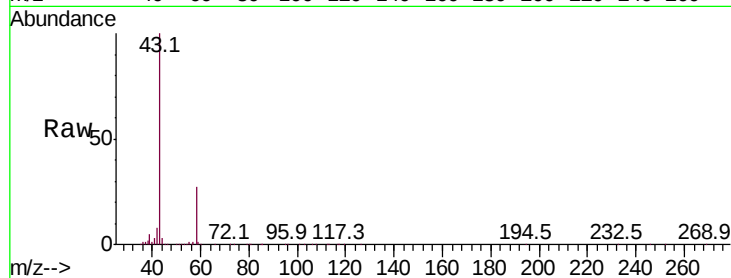
43 100

58 27.5 21.4 32.0

Manual Integrations
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#16

1,3-Butadiene

Concen: 10.373 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034017.D

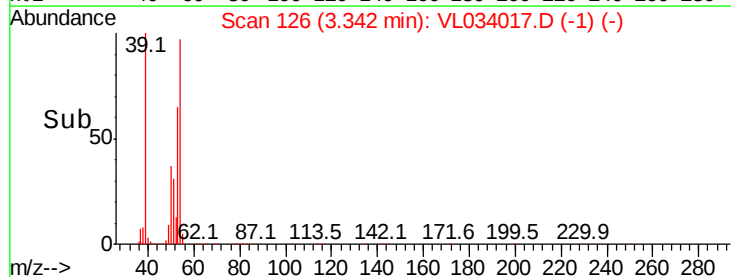
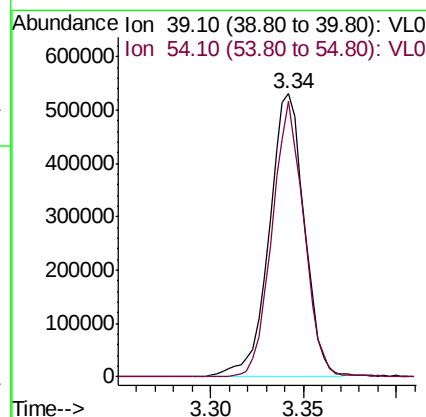
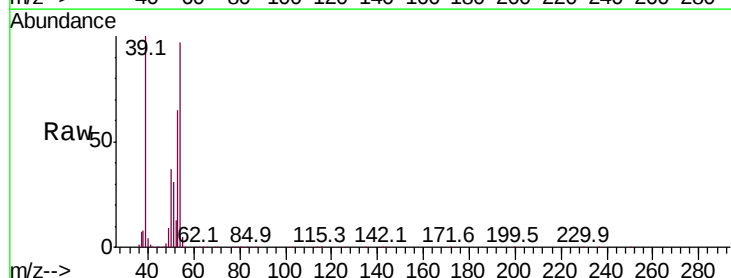
Acq: 11 Jul 2019 13:01

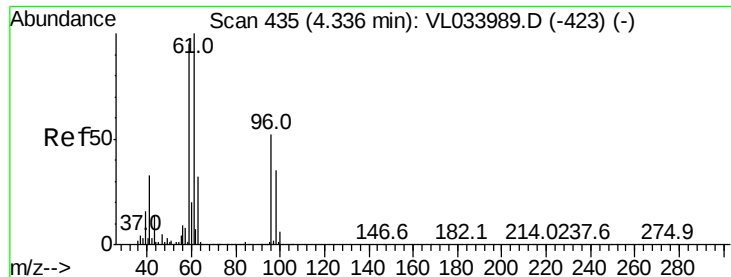
Tgt Ion: 39 Resp: 694539

Ion Ratio Lower Upper

39 100

54 88.8 71.4 107.2





#17

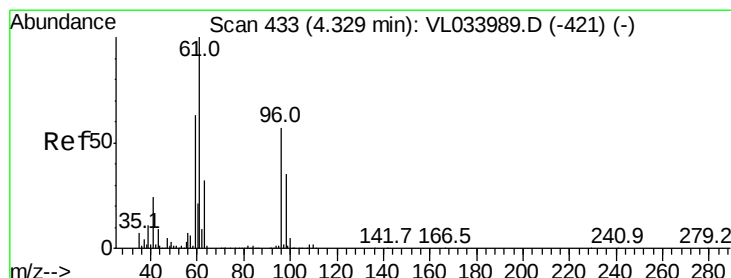
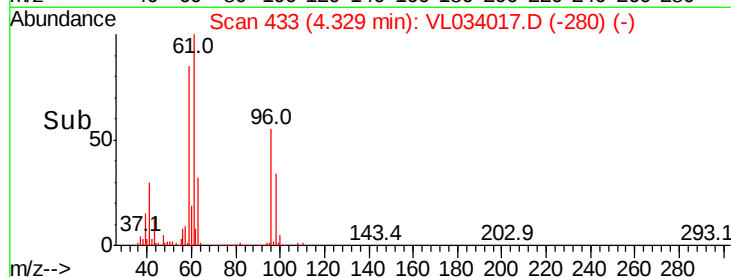
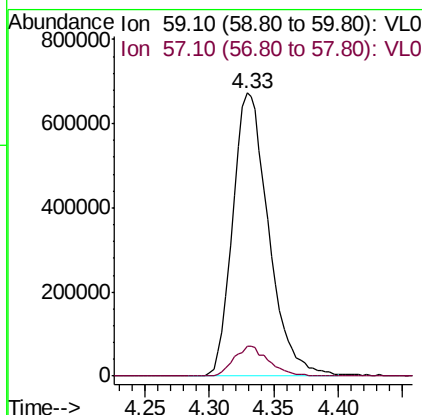
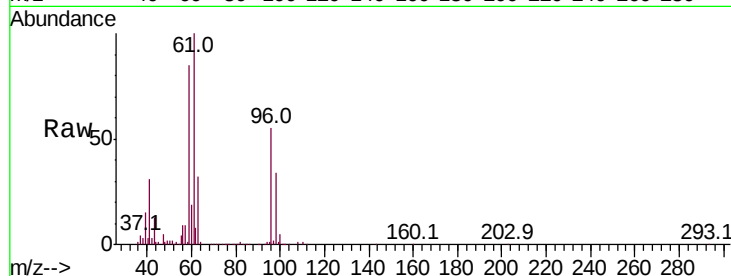
tert-Butyl alcohol
Concen: 8.625 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1303820
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

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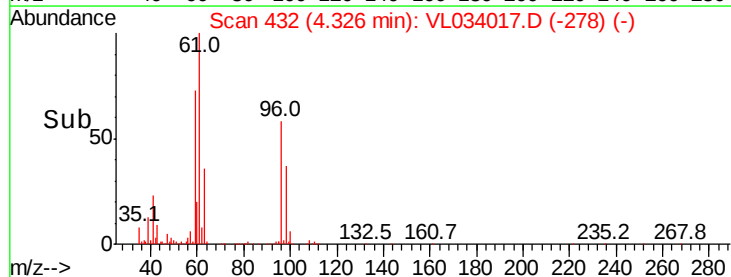
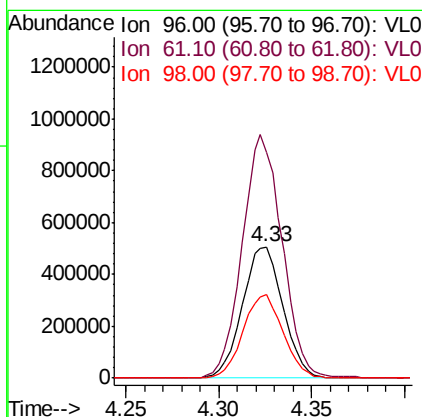
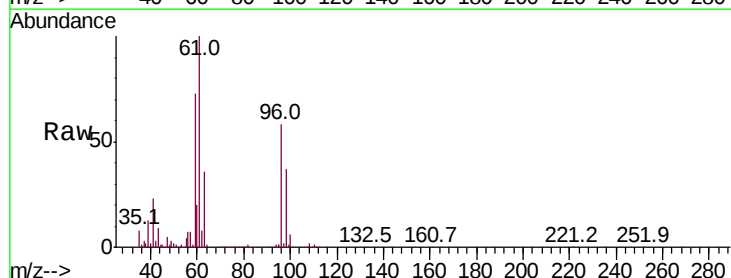
MMDadoda
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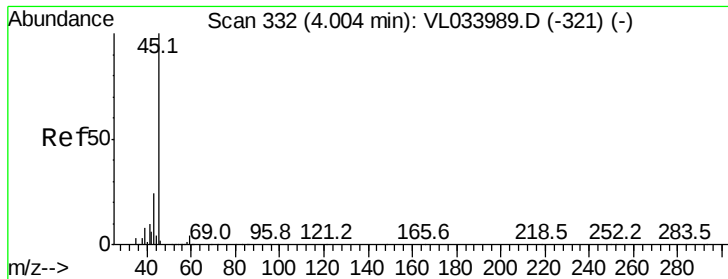


#18

1,1-Dichloroethene
Concen: 9.302 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.00 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 96 Resp: 767437
Ion Ratio Lower Upper
96 100
61 171.8 139.4 209.0
98 63.5 49.4 74.0





#19

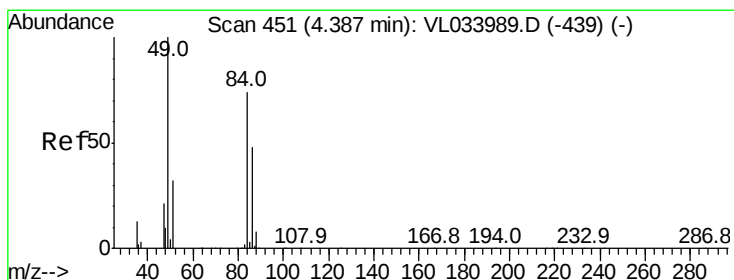
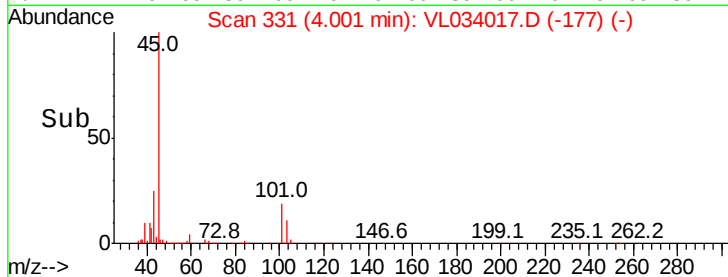
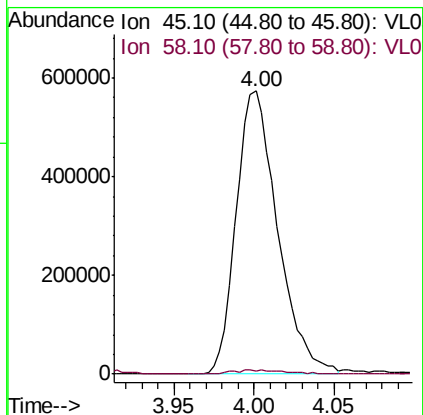
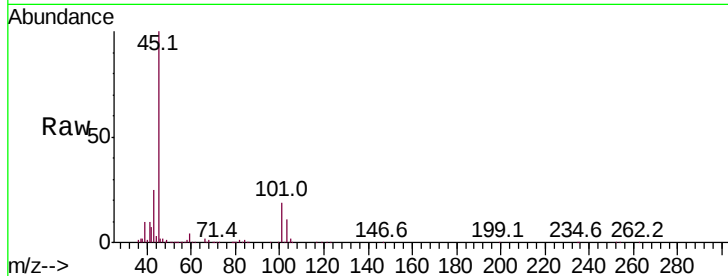
Isopropyl Alcohol
 Concen: 7.947 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 1011439
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.7 2.5

Manual Integrations
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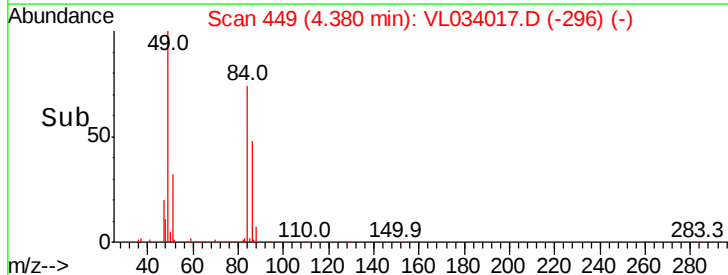
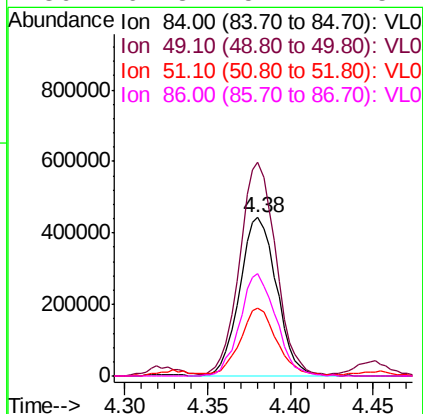
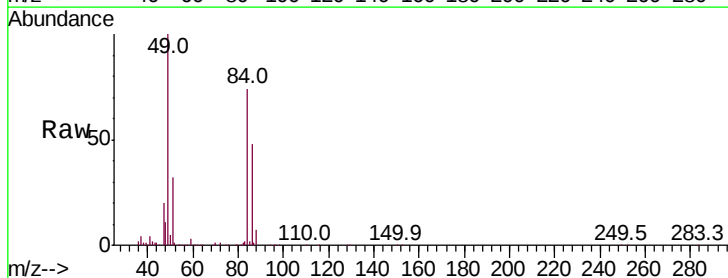
MMDadoda
 7/12/2019 10:46:52 PM

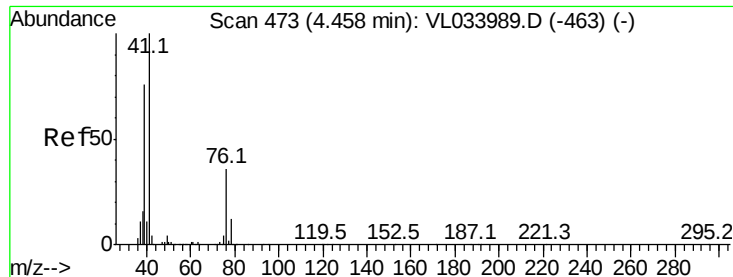


#20

Methylene Chloride
 Concen: 8.262 ppbv
 RT: 4.38 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 84 Resp: 683215
 Ion Ratio Lower Upper
 84 100
 49 133.8 107.6 161.4
 51 42.7 35.0 52.6
 86 64.3 52.1 78.1





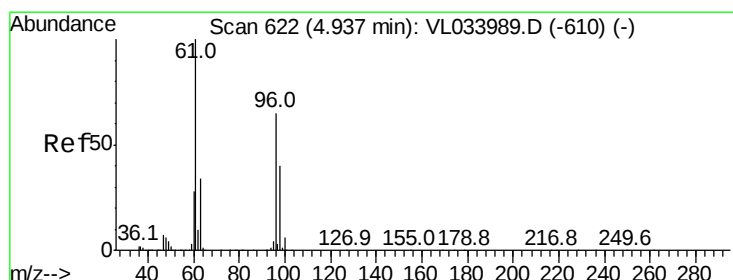
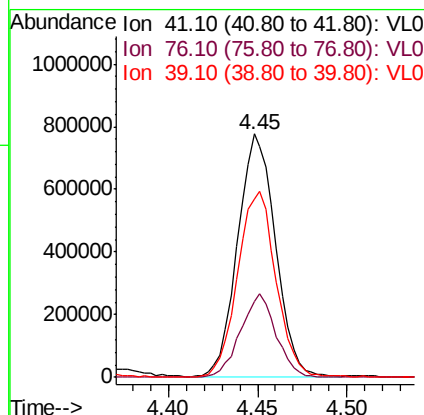
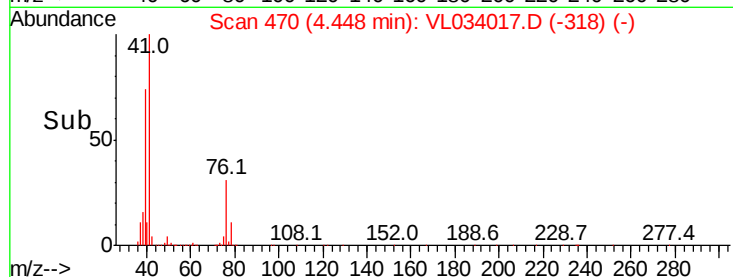
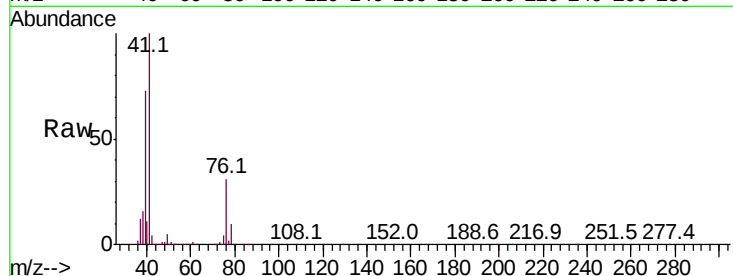
#21
Allvl Chloride
Concen: 9.656 ppbv
RT: 4.45 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.7	26.8	40.2
39	78.7	63.1	94.7

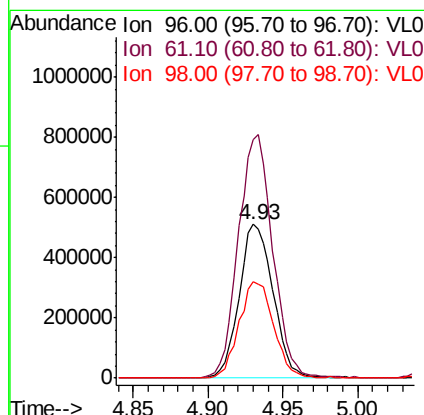
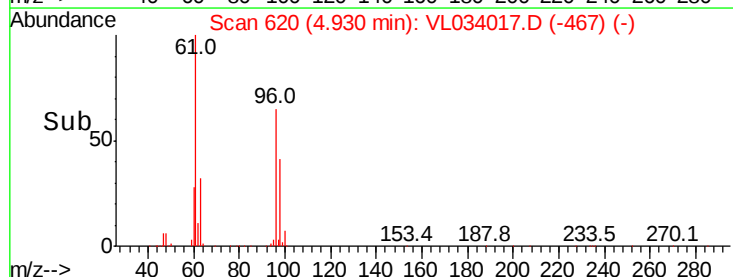
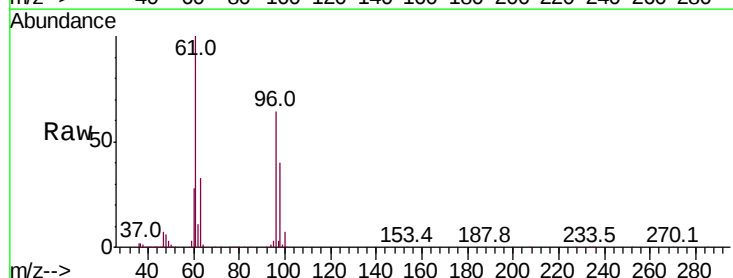
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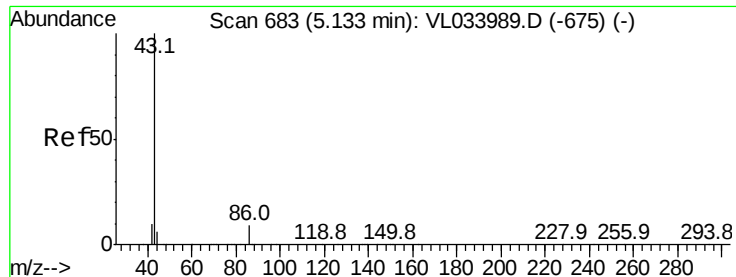
MMDadoda
7/12/2019 10:46:52 PM



#22
trans-1,2-Dichloroethene
Concen: 10.280 ppbv
RT: 4.93 min Scan# 620
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	122.9	184.3
98	62.8	49.6	74.4





#23

Vinyl Acetate

Concen: 11.482 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2172972

Ion Ratio Lower Upper

43 100

86 7.7 6.6 9.8

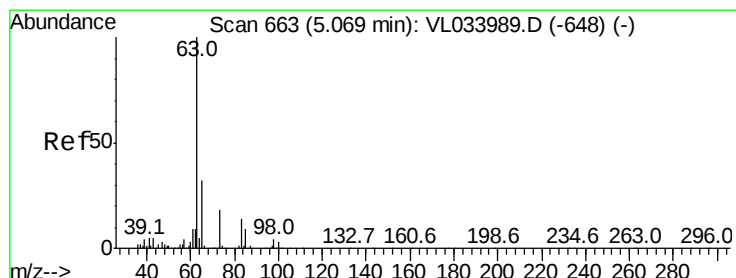
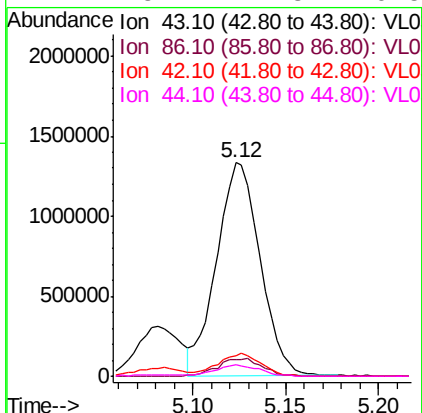
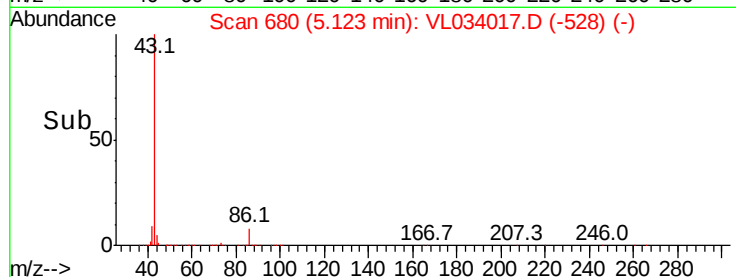
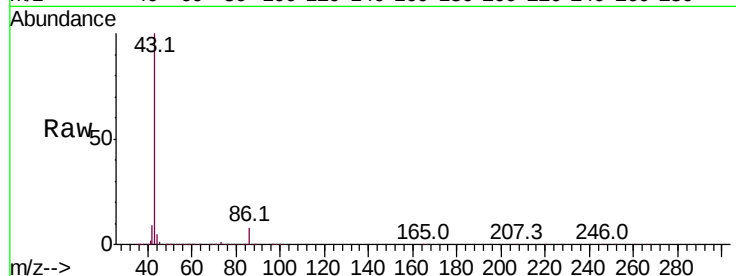
42 9.4 8.3 12.5

44 5.1 4.3 6.5

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#24

1,1-Dichloroethane

Concen: 10.315 ppbv

RT: 5.06 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

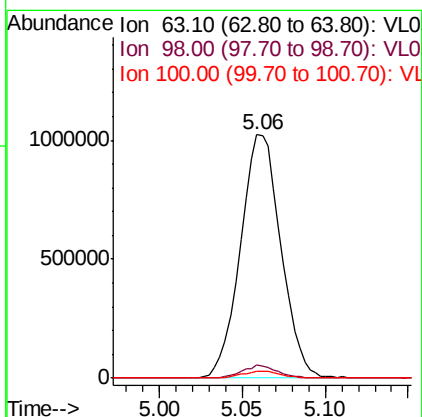
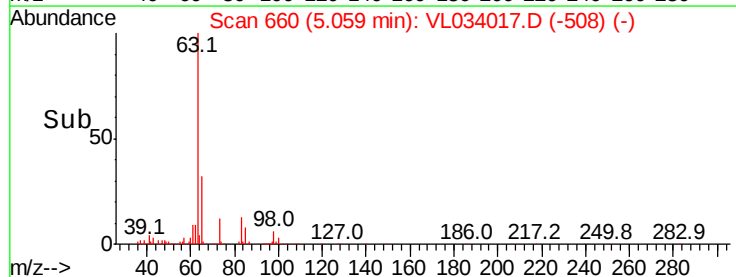
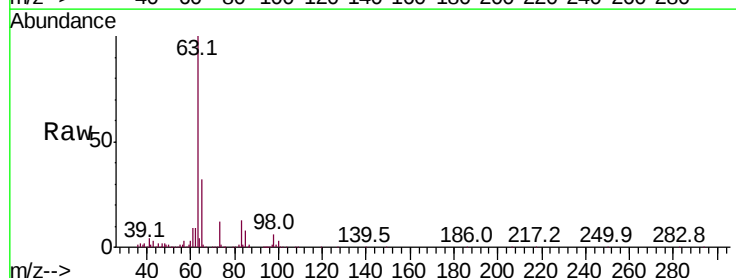
Tgt Ion: 63 Resp: 1730144

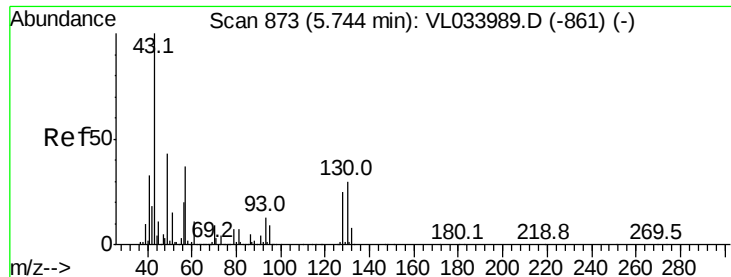
Ion Ratio Lower Upper

63 100

98 5.5 2.2 6.6

100 2.9 1.4 4.2





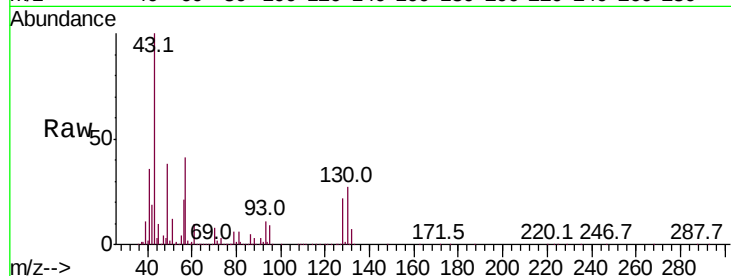
#25
Ethyl Acetate
Concen: 10.613 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	10.3		8.1	12.1
61	10.4		8.1	12.1
70	8.1		6.3	9.5

Manual Integrations
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MMDadoda
7/12/2019 10:46:52 PM



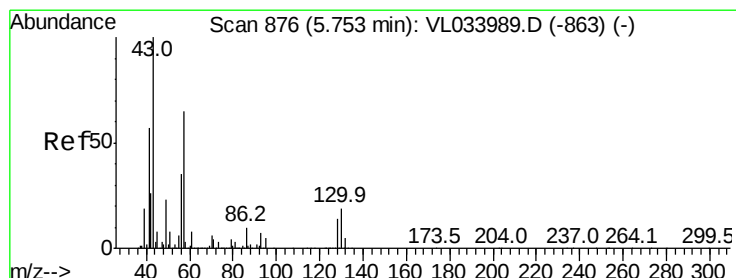
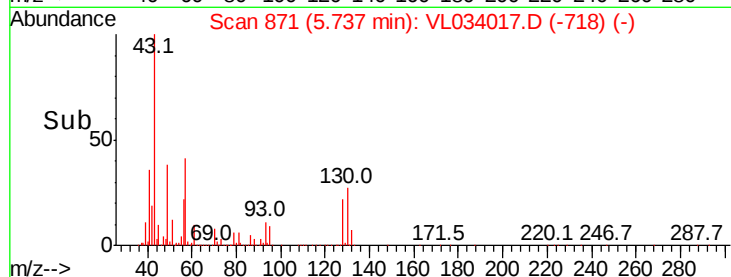
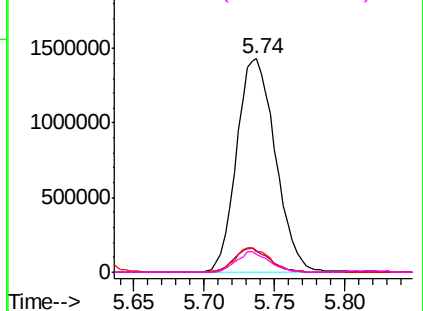
Abundance

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: 10.685 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	57	Ratio	Lower	Upper
57	100			
41	86.5		70.6	105.8
43	217.6		177.6	266.4
56	52.4		42.6	64.0

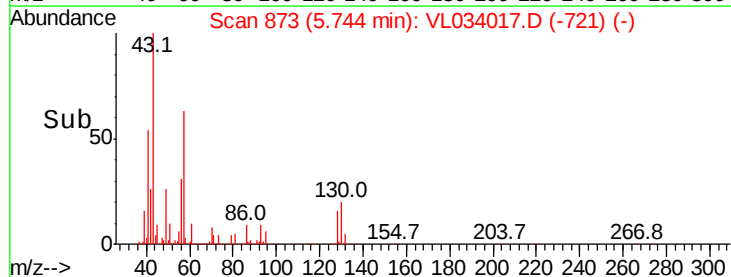
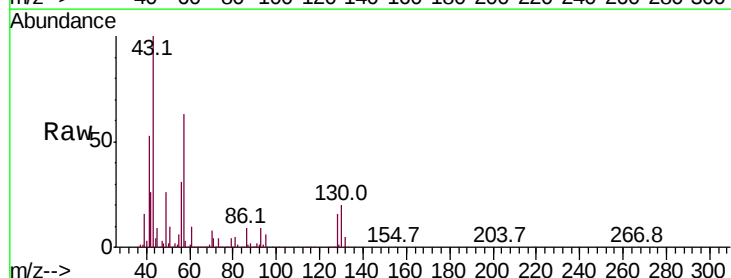
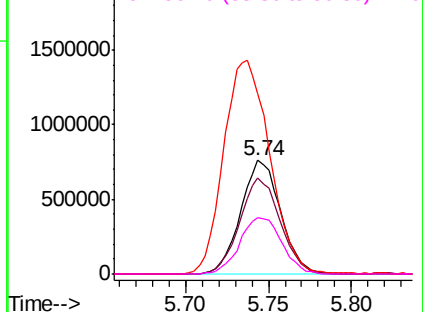
Abundance

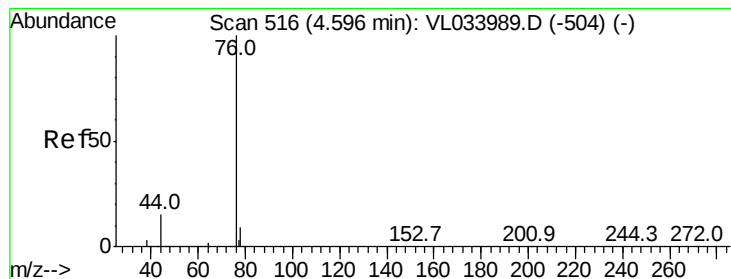
Ion 57.10 (56.80 to 57.80): VL0

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: 10.386 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2095423

Ion Ratio Lower Upper

76 100

44 15.6 12.6 18.8

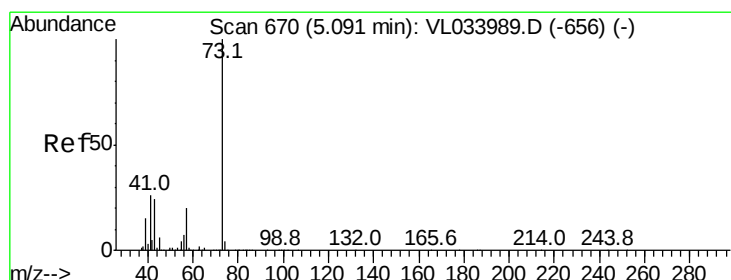
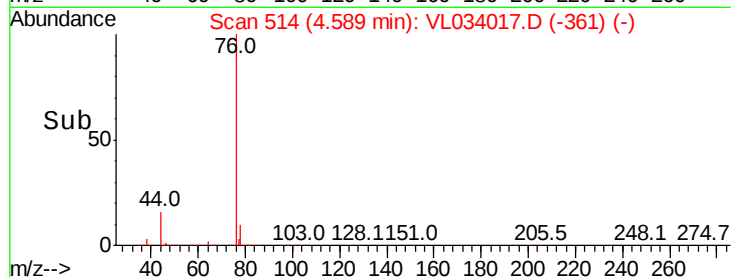
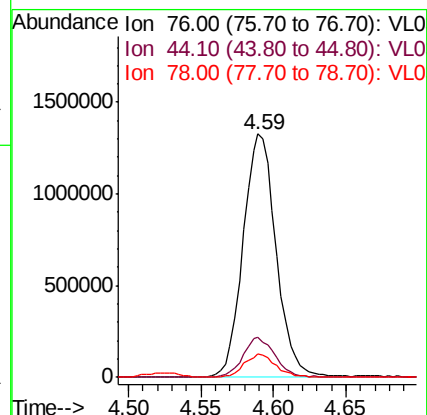
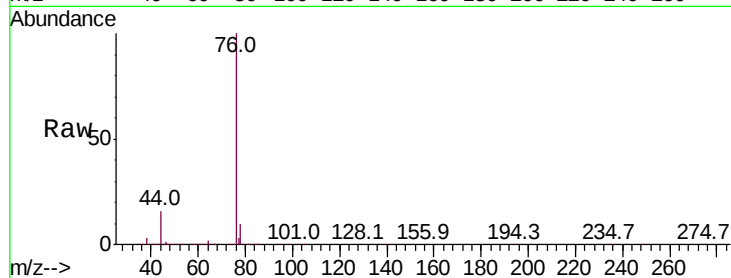
78 9.3 7.2 10.8

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 11.182 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034017.D

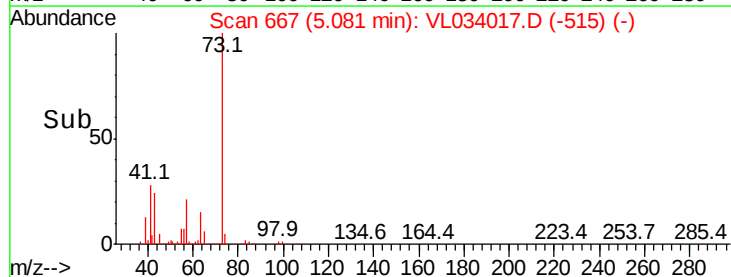
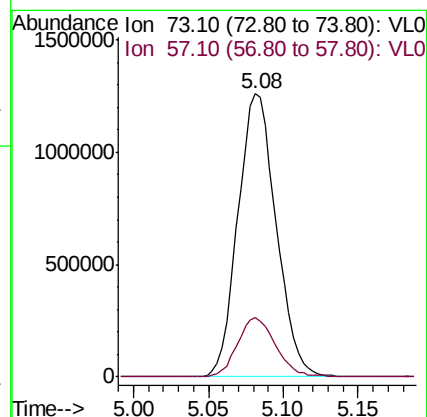
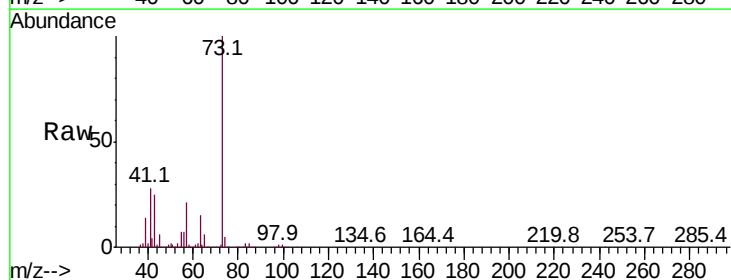
Acq: 11 Jul 2019 13:01

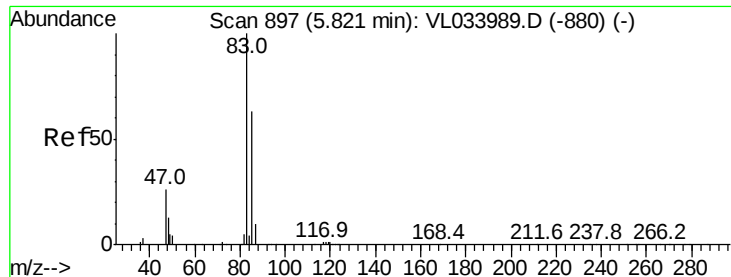
Tgt Ion: 73 Resp: 2247338

Ion Ratio Lower Upper

73 100

57 21.0 16.9 25.3





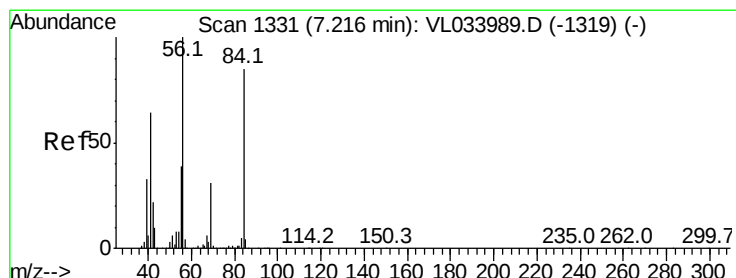
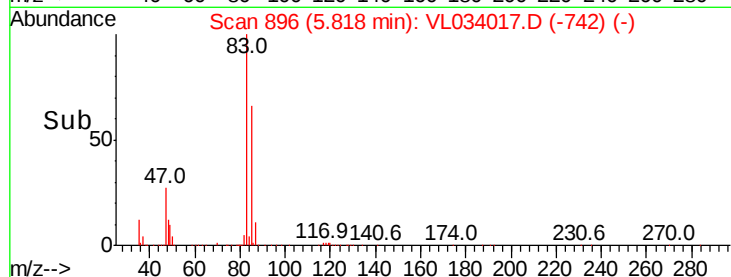
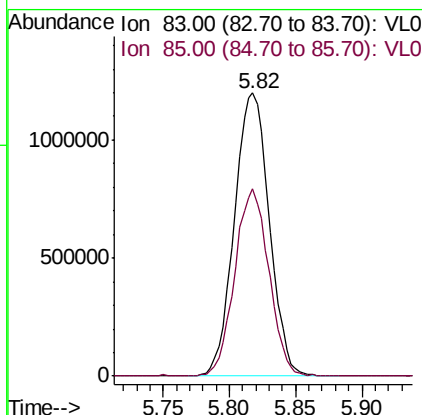
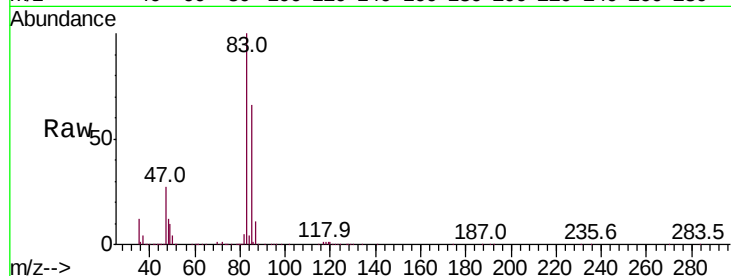
#29
Chloroform
Concen: 9.840 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion: 83 Resp: 2194598
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8

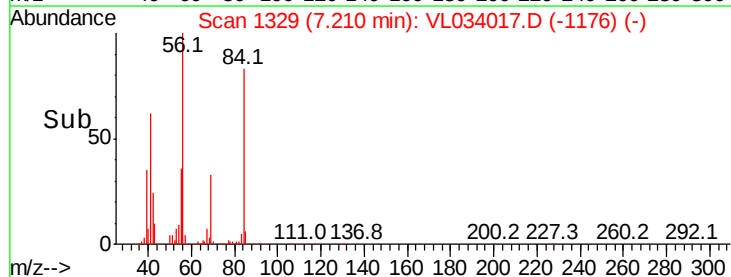
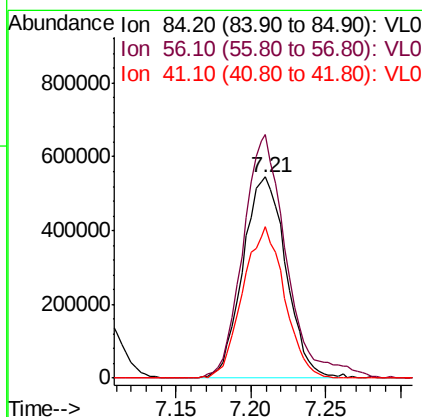
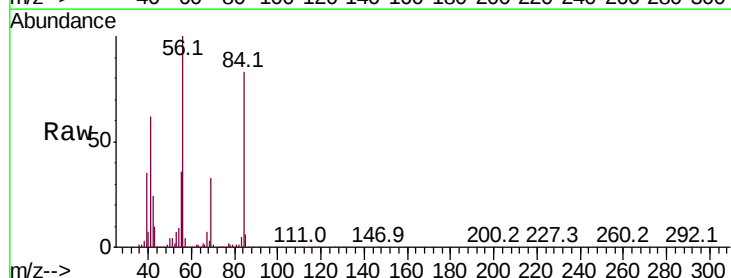
Manual Integrations
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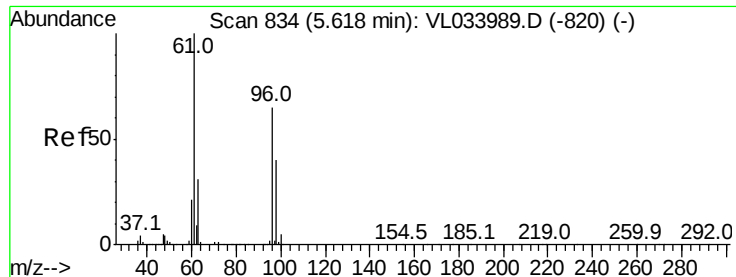
MMDadoda
7/12/2019 10:46:52 PM



#30
Cyclohexane
Concen: 11.947 ppbv
RT: 7.21 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 84 Resp: 1095010
Ion Ratio Lower Upper
84 100
56 122.1 103.7 155.5
41 72.9 62.6 94.0





#31

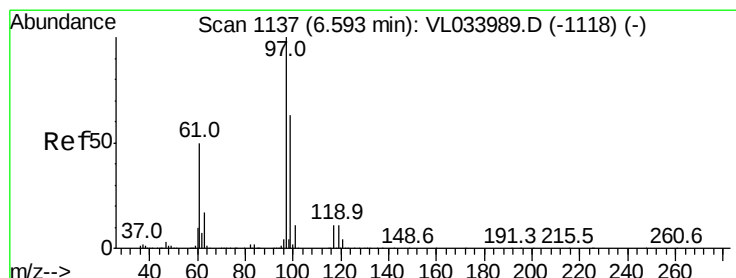
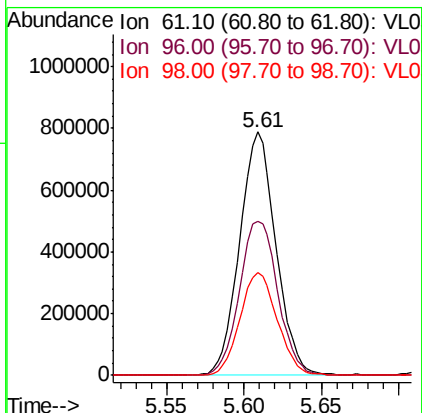
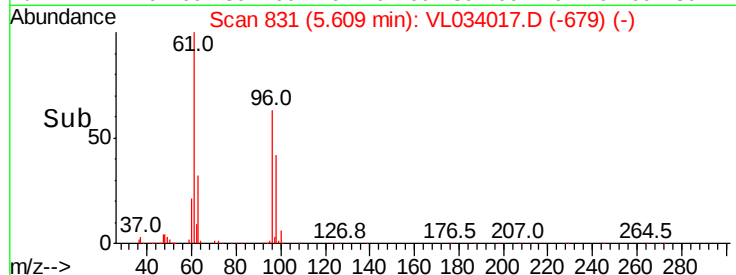
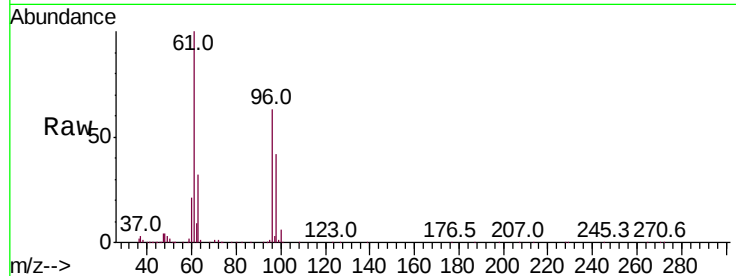
cis-1,2-Dichloroethene
Concen: 11.230 ppbv
RT: 5.61 min Scan# 831
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.3	51.8	77.6
98	42.1	32.1	48.1

Manual Integrations
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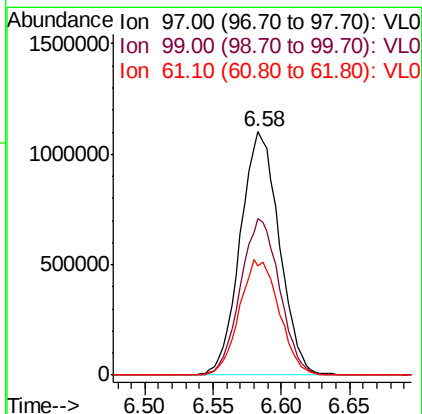
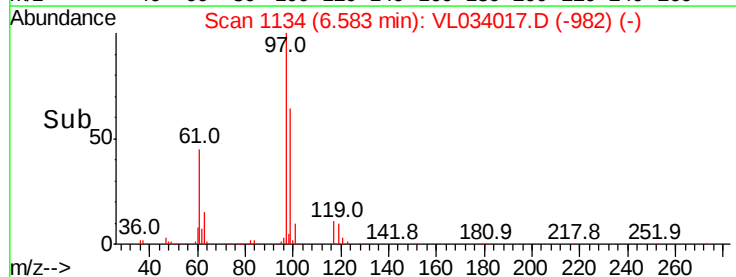
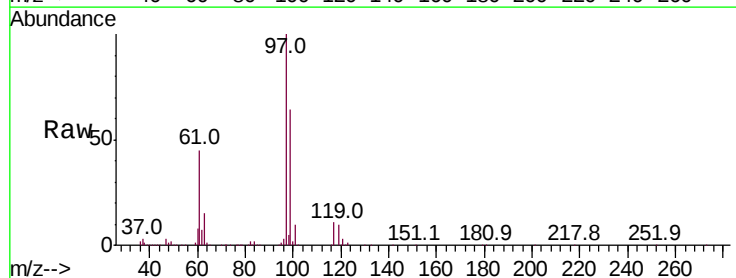
MMDadoda
7/12/2019 10:46:52 PM

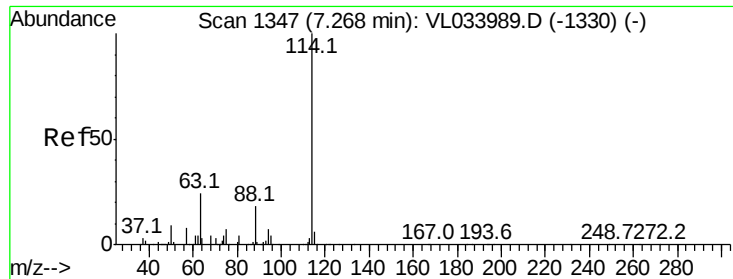


#32

1,1,1-Trichloroethane
Concen: 9.686 ppbv
RT: 6.58 min Scan# 1134
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	48.3	39.8	59.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

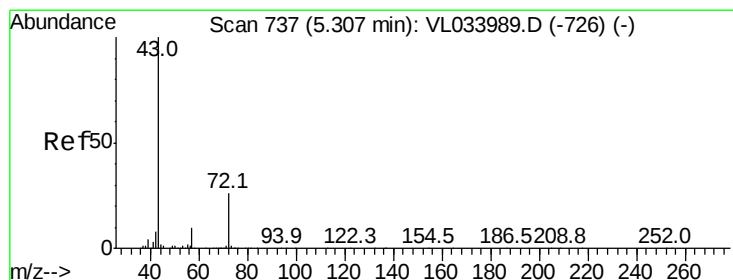
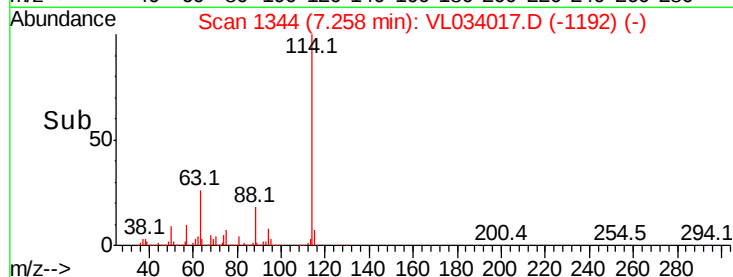
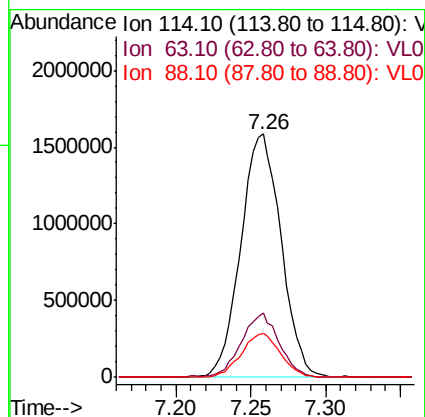
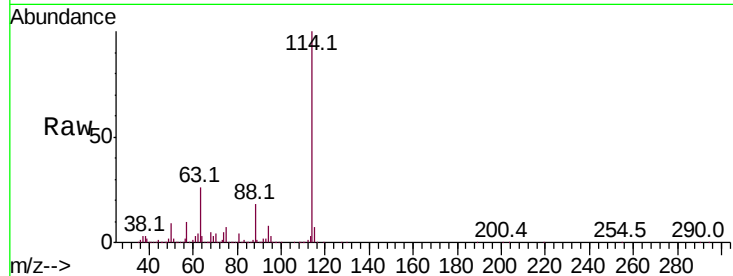
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.6	14.1	21.1

Manual Integrations
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#34

2-Butanone

Concen: 10.810 ppbv

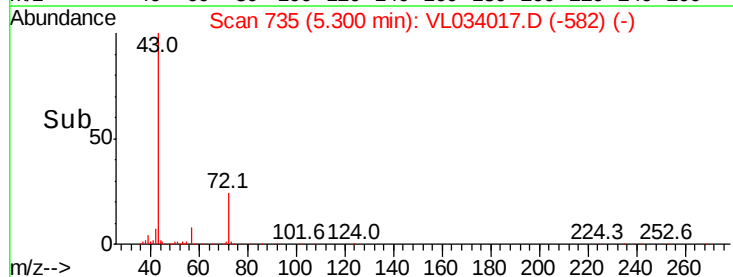
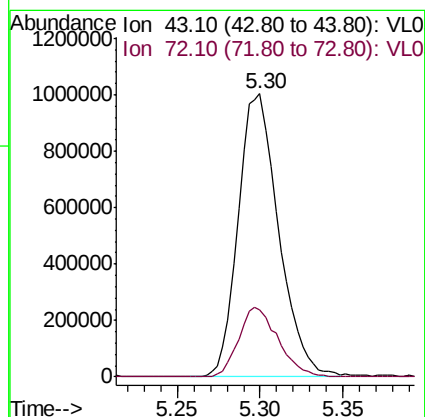
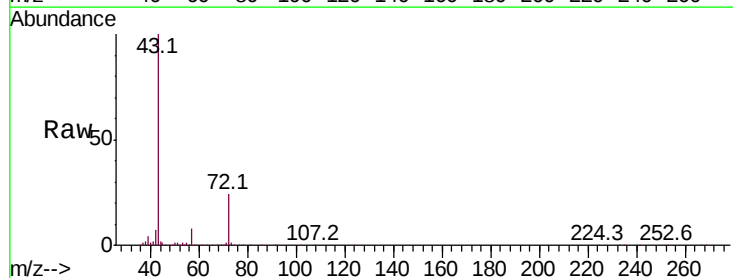
RT: 5.30 min Scan# 735

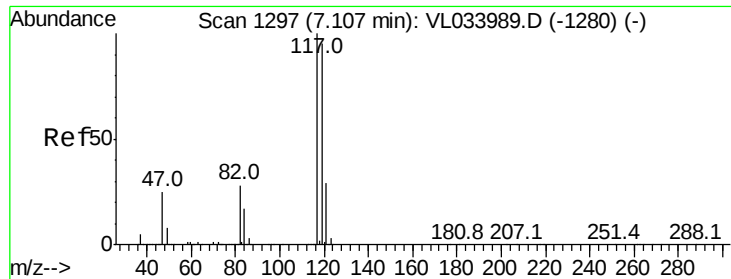
Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.9	29.9





#35

Carbon Tetrachloride

Concen: 9.790 ppbv

RT: 7.10 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:117 Resp: 2300679

Ion Ratio Lower Upper

117 100

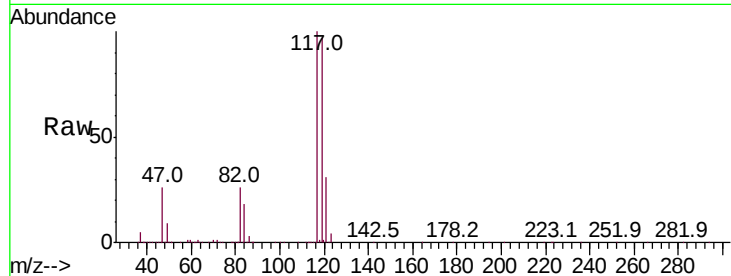
119 96.6 75.8 113.6

121 31.4 23.4 35.2

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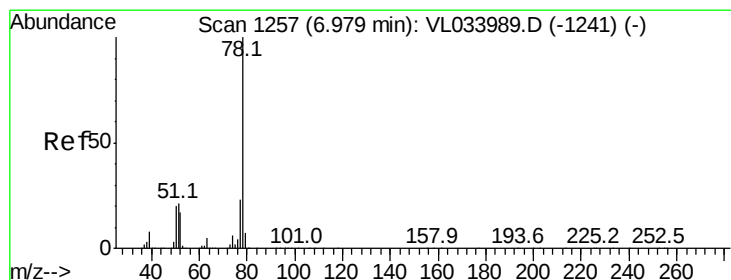
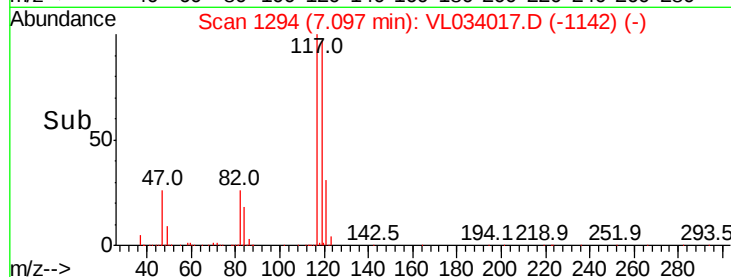
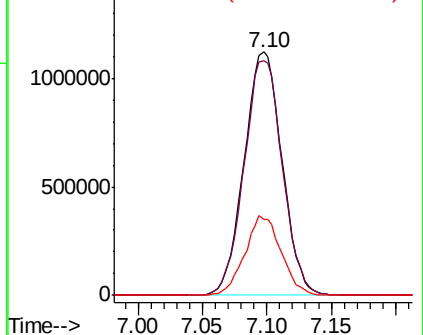
7/12/2019 10:46:52 PM



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: 11.066 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

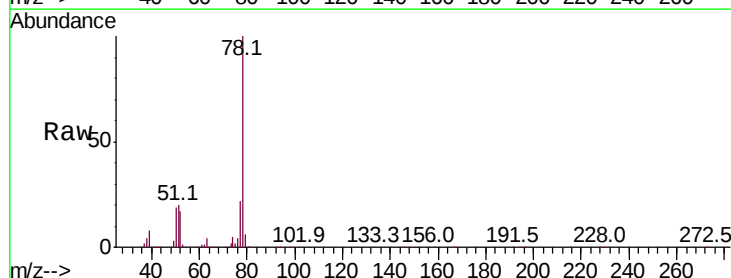
Tgt Ion: 78 Resp: 2570560

Ion Ratio Lower Upper

78 100

77 21.9 18.7 28.1

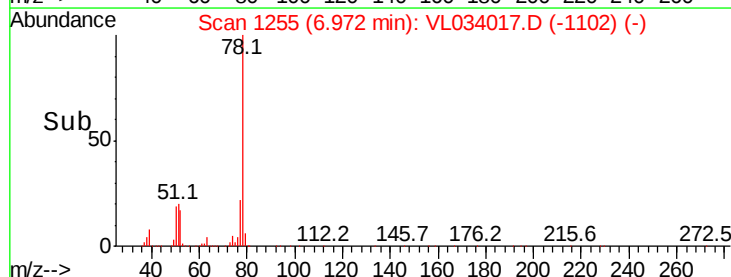
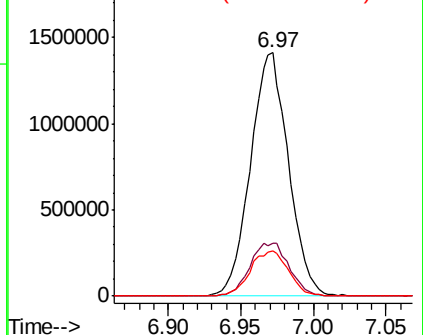
50 18.6 16.2 24.2

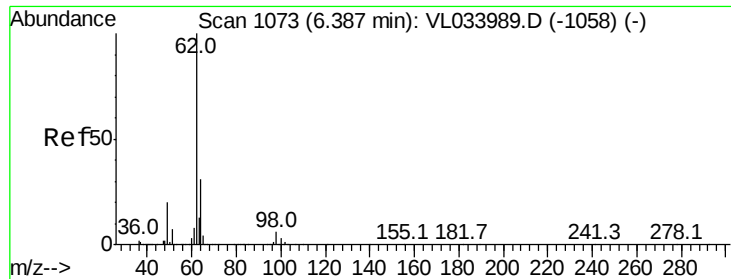


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





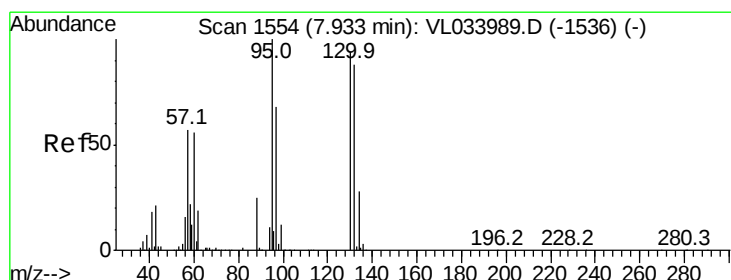
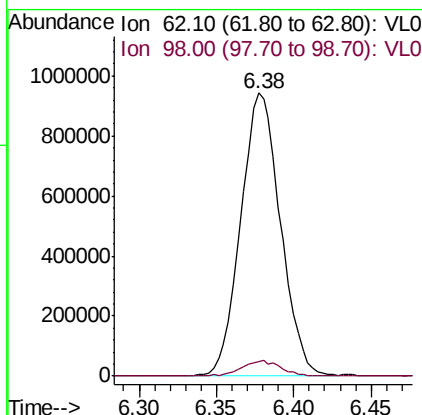
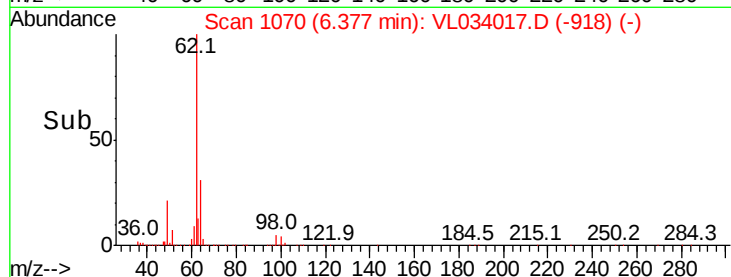
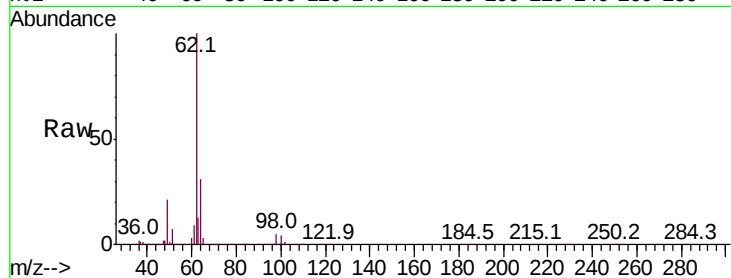
#37
 1,2-Dichloroethane
 Concen: 9.817 ppbv
 RT: 6.38 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion: 62 Resp: 1679925
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6

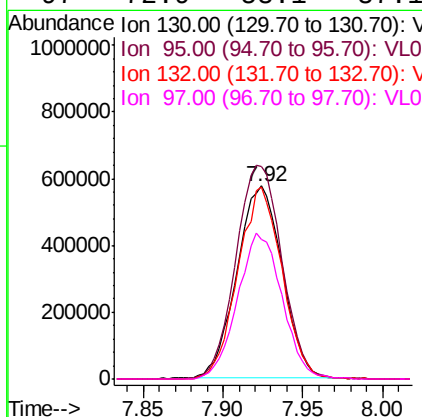
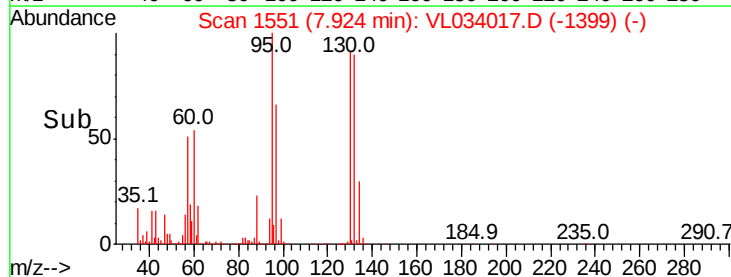
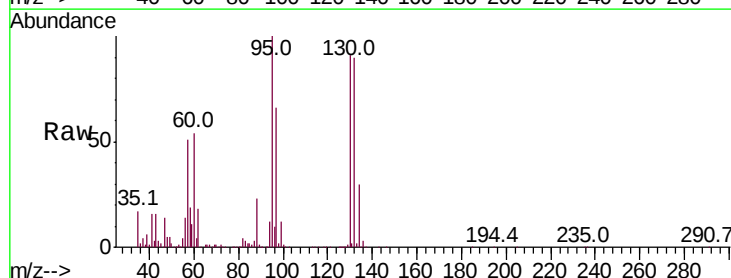
Manual Integrations
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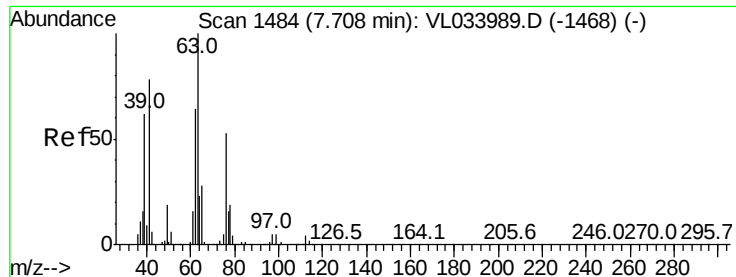
MMDadoda
 7/12/2019 10:46:52 PM



#38
 Trichloroethene
 Concen: 10.789 ppbv
 RT: 7.92 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 130 Resp: 1115114
 Ion Ratio Lower Upper
 130 100
 95 110.5 85.5 128.3
 132 99.5 75.1 112.7
 97 72.9 58.1 87.1





#39

1,2-Dichloropropane

Concen: 10.556 ppbv

RT: 7.70 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

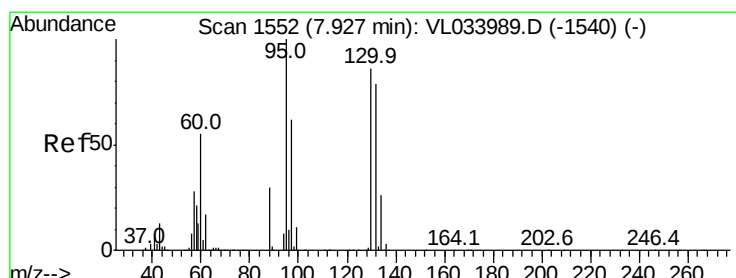
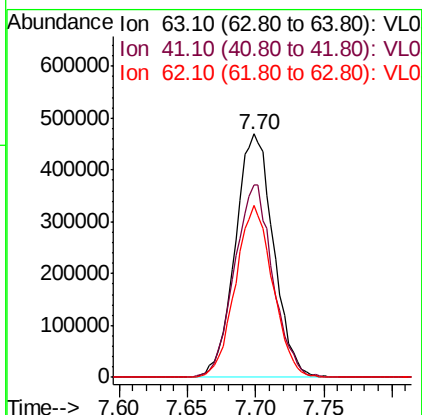
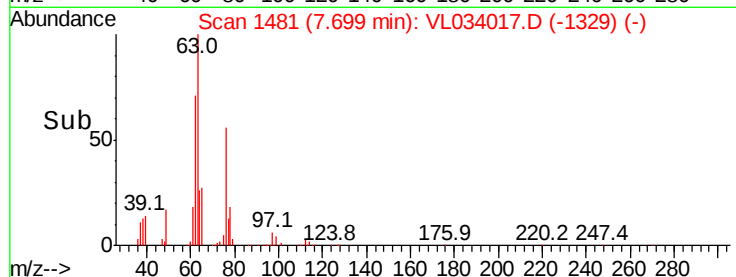
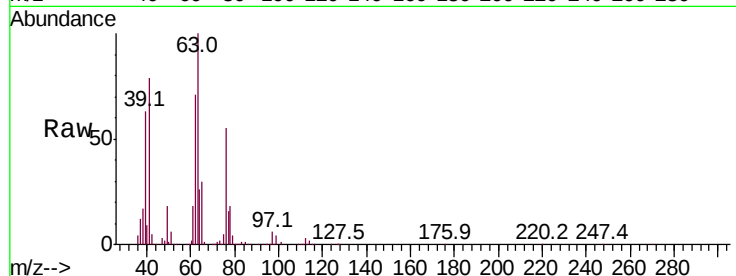
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	911772
Ion Ratio	Lower	Upper	
63	100		
41	79.2	62.3	93.5
62	70.8	51.4	77.2

Manual Integrations
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MMDadoda
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#40

1,4-Dioxane

Concen: 9.415 ppbv

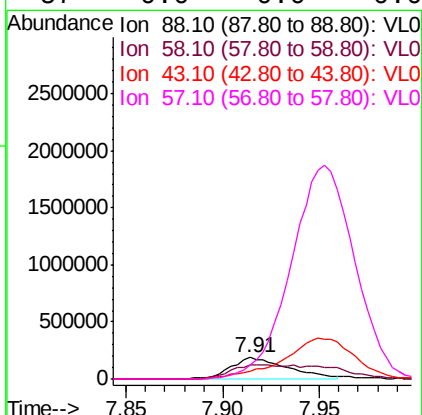
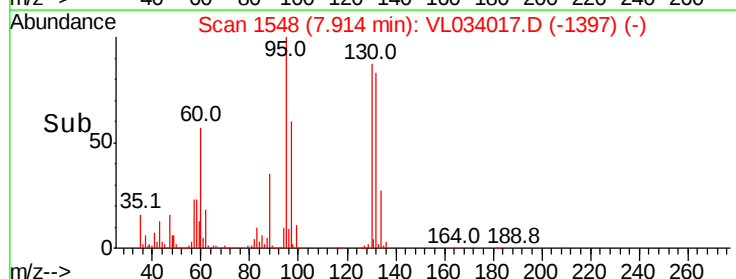
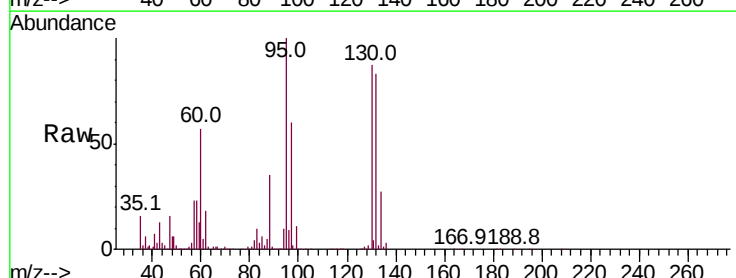
RT: 7.91 min Scan# 1548

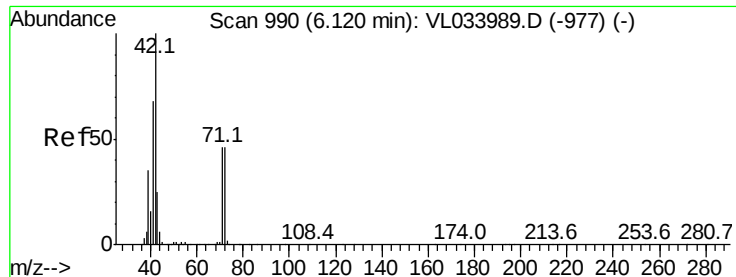
Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion:	88	Resp:	375463
Ion Ratio	Lower	Upper	
88	100		
58	127.7	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.516 ppbv

RT: 6.11 min Scan# 988

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

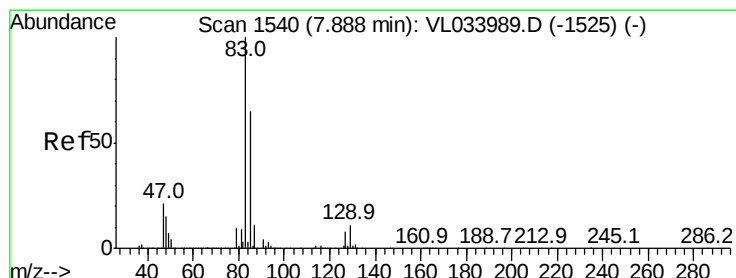
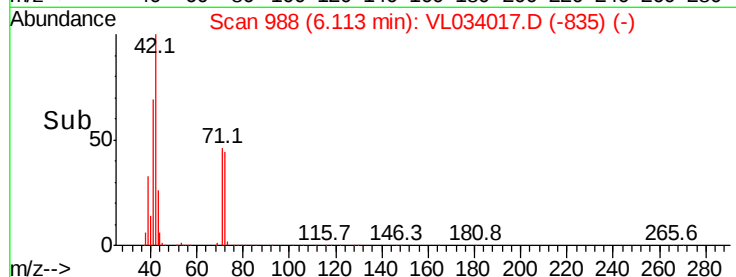
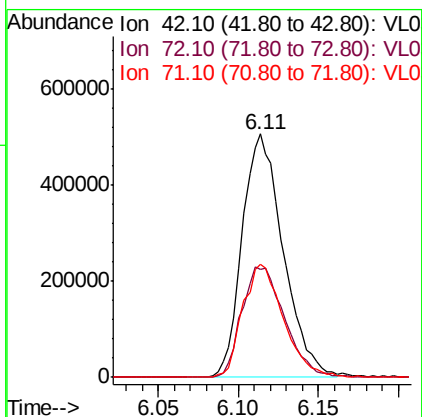
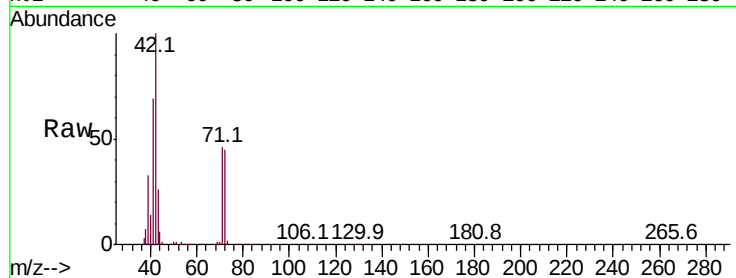
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	887336
Ion Ratio	Lower	Upper	
42	100		
72	47.7	37.3	55.9
71	46.5	36.2	54.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.284 ppbv

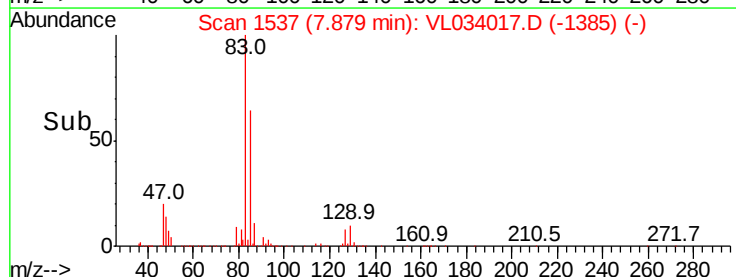
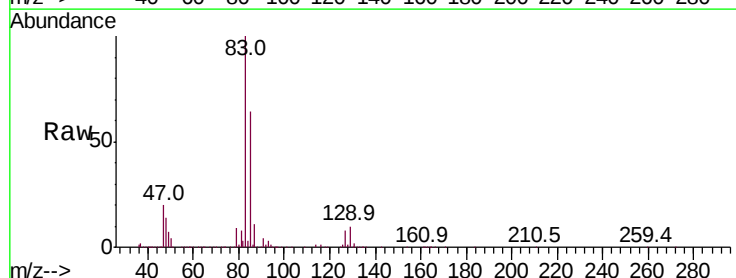
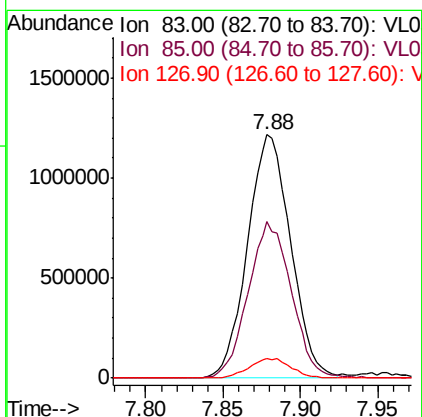
RT: 7.88 min Scan# 1537

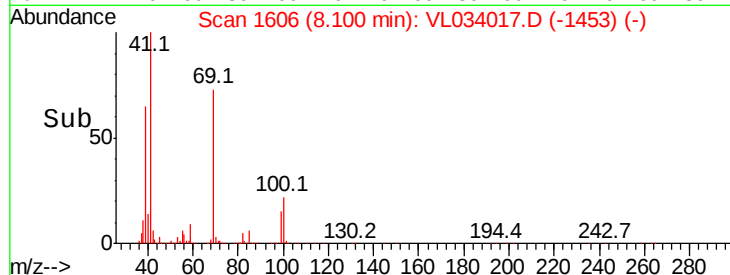
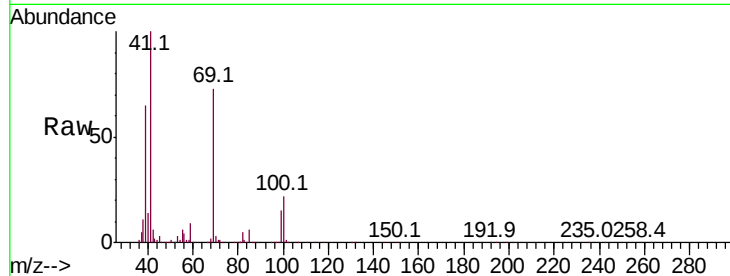
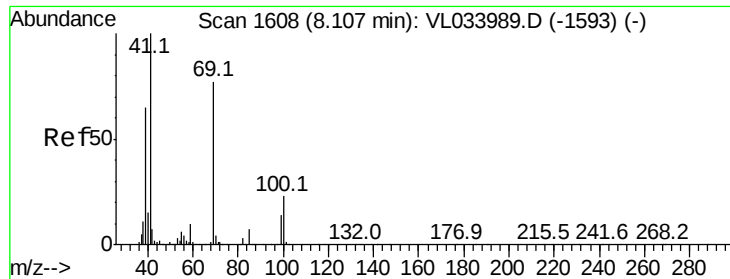
Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion:	83	Resp:	2361201
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.8	77.8
127	7.8	6.5	9.7





#43

Methyl Methacrylate

Concen: 11.903 ppbv

RT: 8.10 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

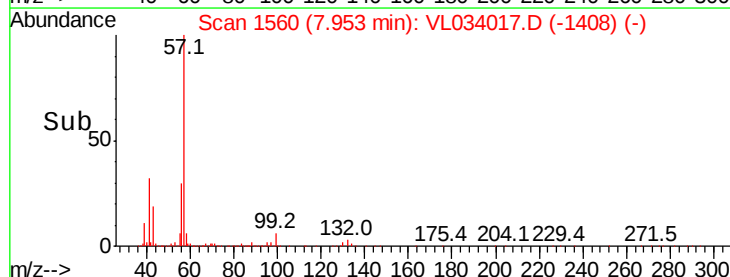
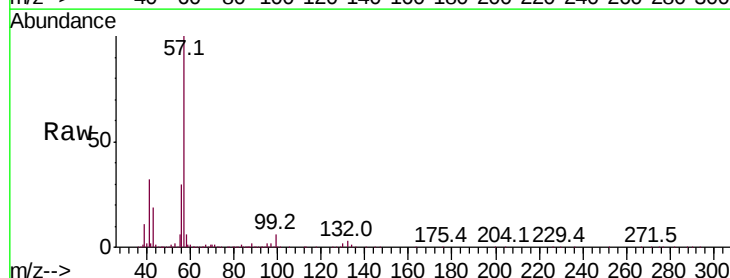
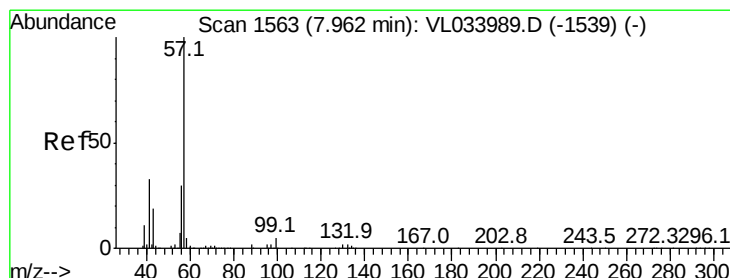
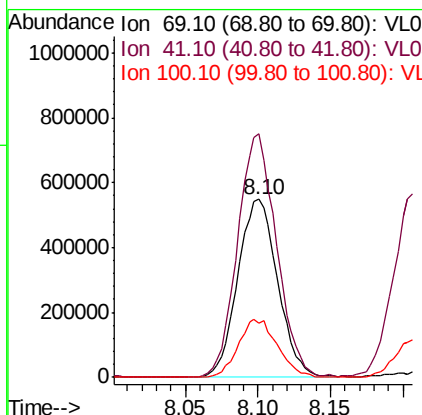
Tot Ion: 69 Resp: 1049017

Ion	Ratio	Lower	Upper
69	100		
41	134.1	109.1	163.7
100	32.1	25.3	37.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#44

2,2,4-Trimethylpentane

Concen: 10.687 ppbv

RT: 7.95 min Scan# 1560

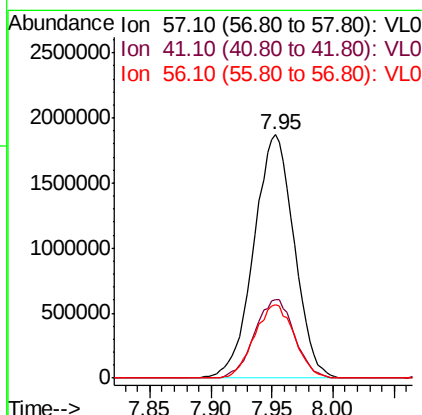
Delta R.T. -0.01 min

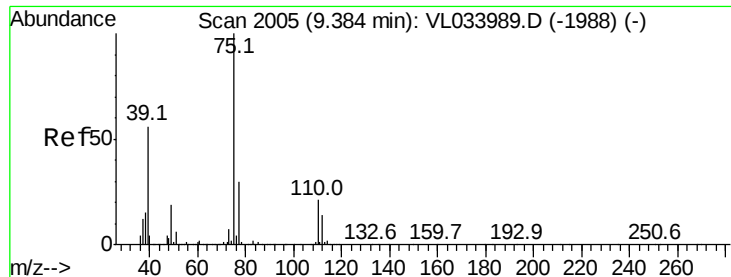
Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion: 57 Resp: 4285332

Ion	Ratio	Lower	Upper
57	100		
41	32.2	26.1	39.1
56	30.1	24.4	36.6





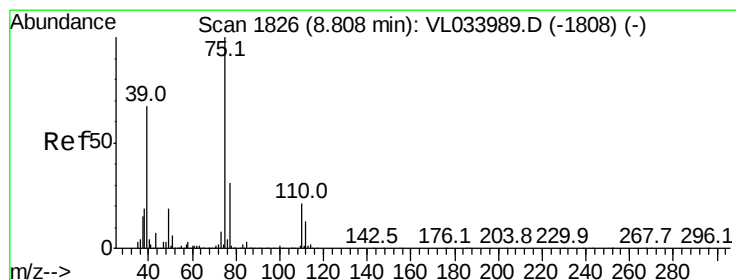
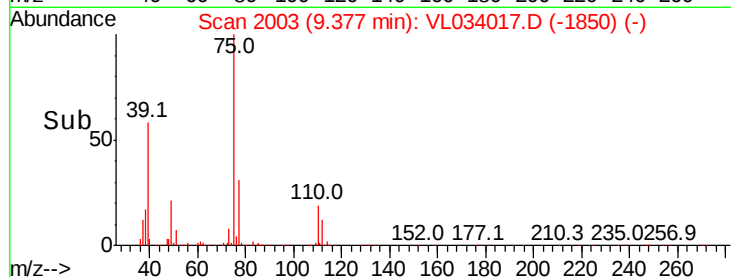
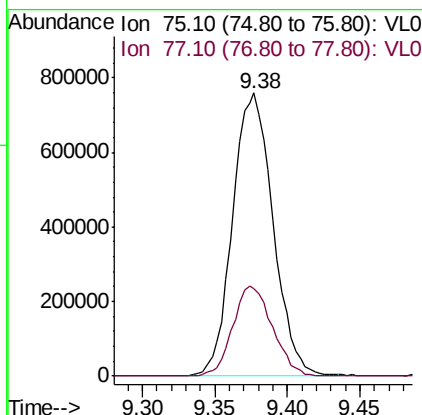
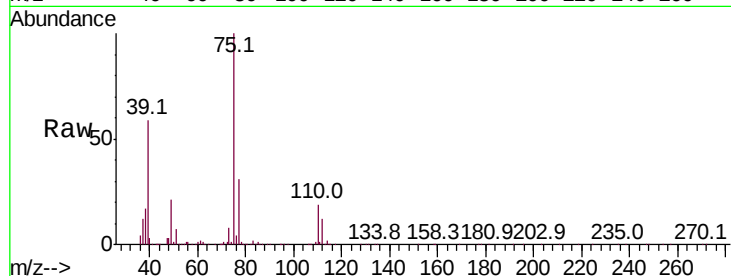
#45
t-1,3-Dichloropropene
Concen: 12.787 ppbv
RT: 9.38 min Scan# 2003
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1473714
Ion Ratio Lower Upper
75 100
77 31.1 24.3 36.5

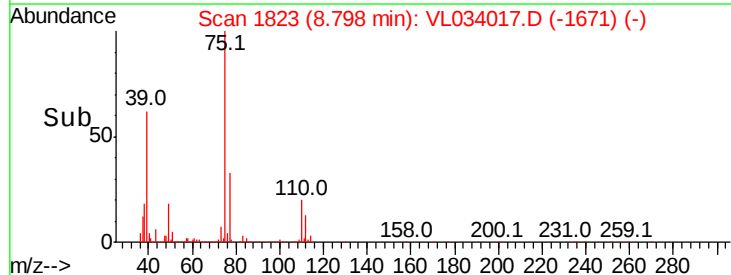
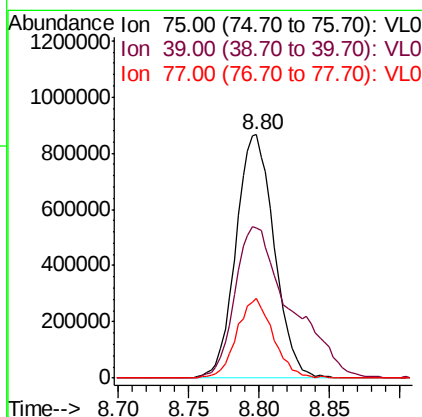
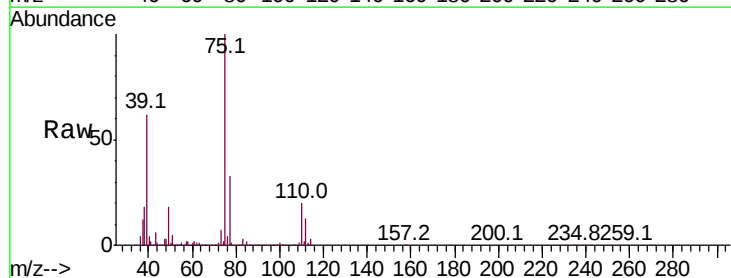
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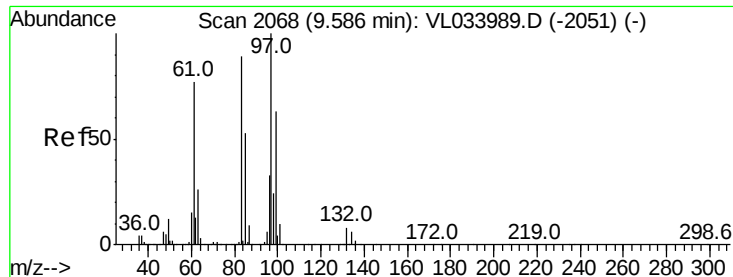
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.330 ppbv
RT: 8.80 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 75 Resp: 1645702
Ion Ratio Lower Upper
75 100
39 61.6 53.8 80.6
77 33.0 24.5 36.7





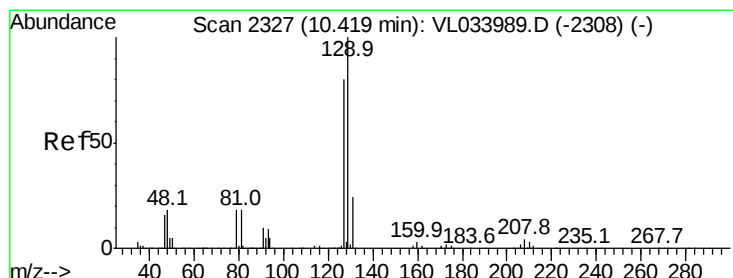
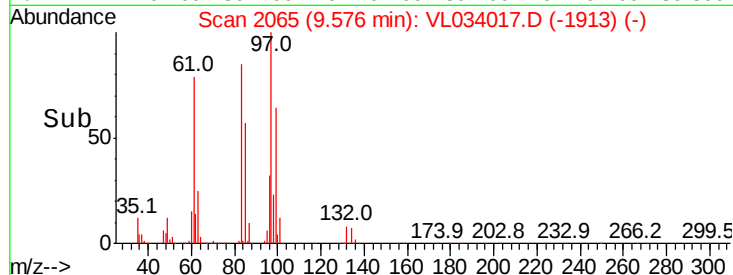
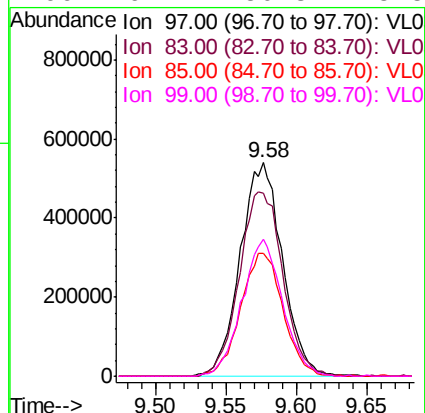
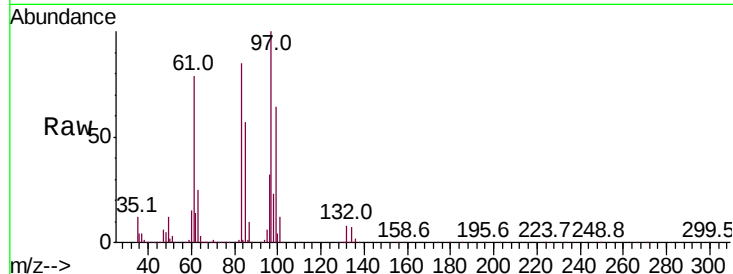
#47
 1,1,2-Trichloroethane
 Concen: 10.398 ppbv
 RT: 9.58 min Scan# 2065
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.3	71.1	106.7	
85	57.1	42.6	64.0	
99	64.4	50.3	75.5	

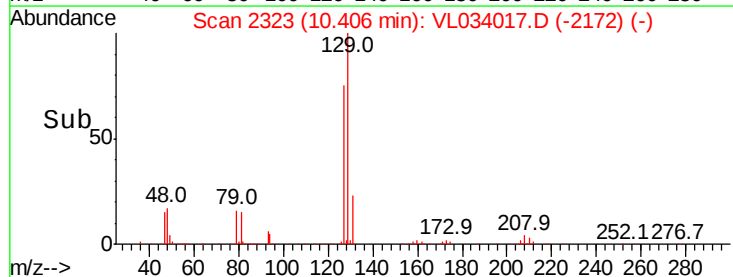
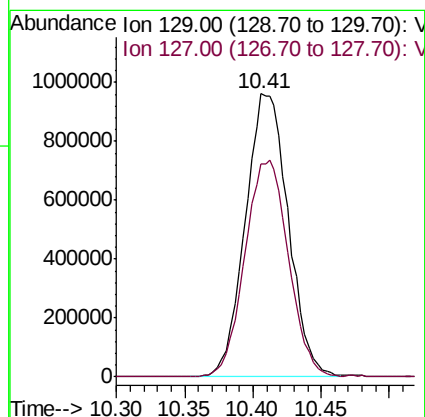
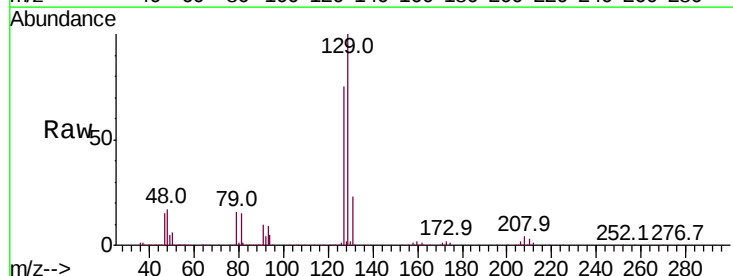
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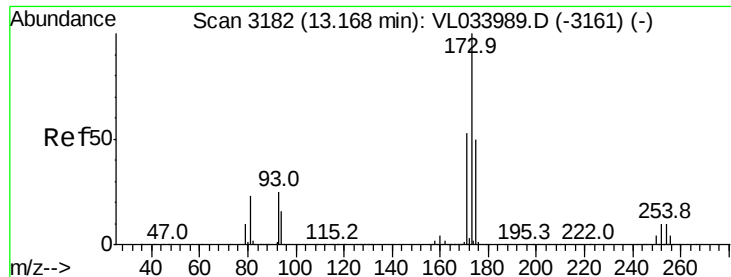
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#48
 Dibromochloromethane
 Concen: 10.161 ppbv
 RT: 10.41 min Scan# 2323
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.0	39.1	117.3	





#49

Bromoform

Concen: 11.225 ppbv

RT: 13.16 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1987252

Ion Ratio Lower Upper

173 100

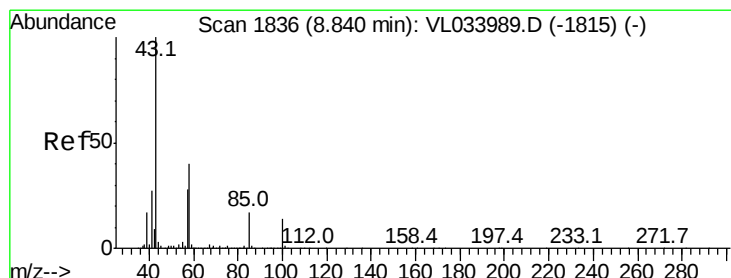
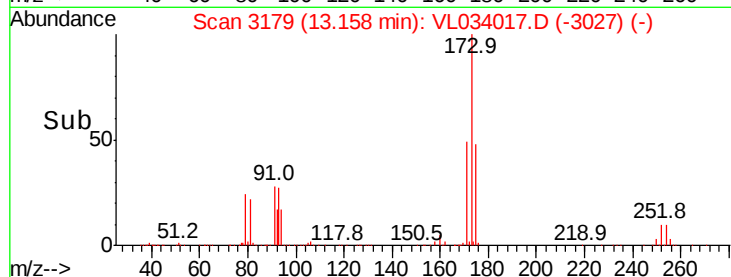
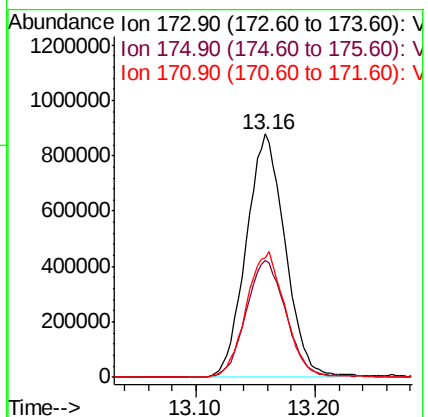
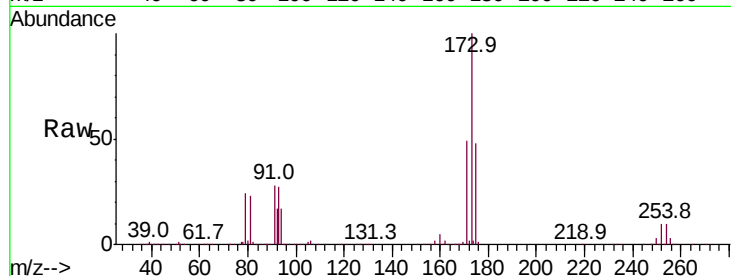
175 49.9 39.3 58.9

171 52.3 41.4 62.0

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#50

4-Methyl-2-Pentanone

Concen: 11.036 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL034017.D

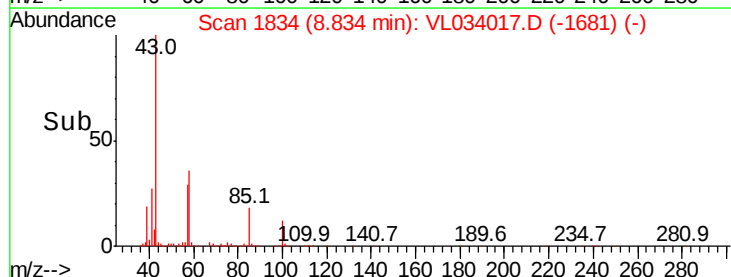
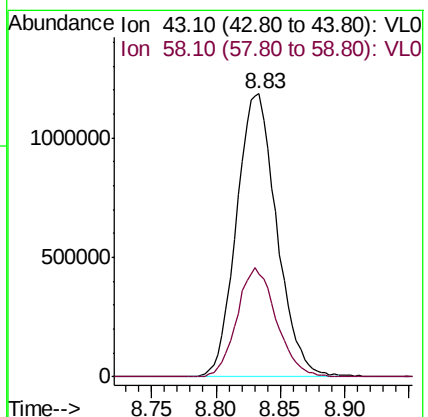
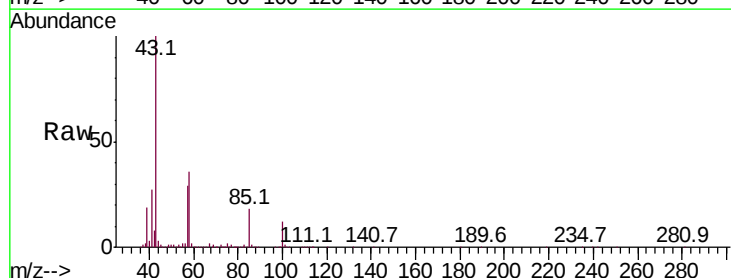
Acq: 11 Jul 2019 13:01

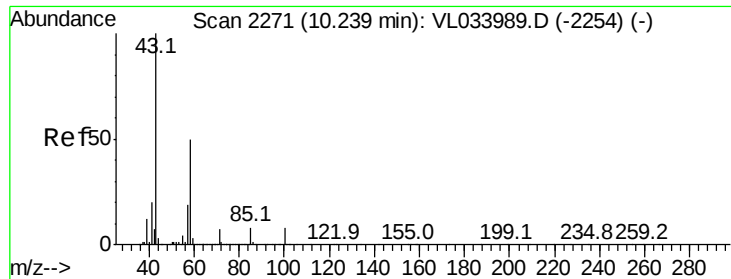
Tgt Ion: 43 Resp: 2572974

Ion Ratio Lower Upper

43 100

58 37.8 30.3 45.5





#51

2-Hexanone

Concen: 11.160 ppbv

RT: 10.23 min Scan# 2268

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2098415

Ion Ratio Lower Upper

43 100

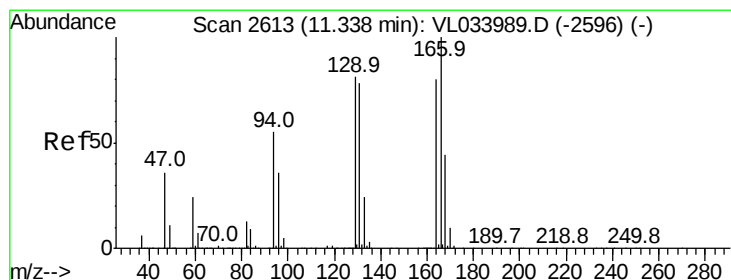
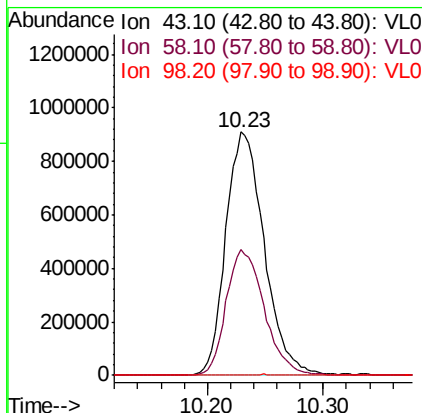
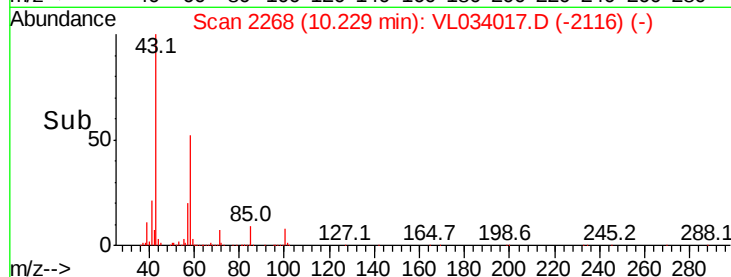
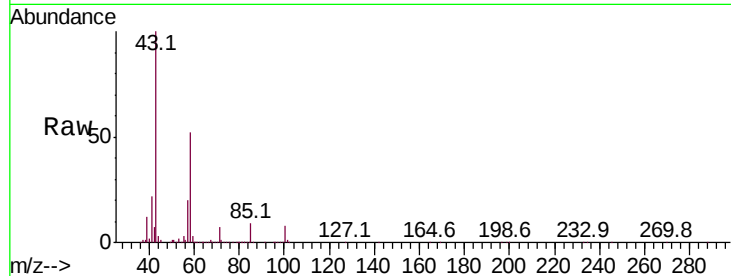
58 51.2 41.0 61.4

98 0.2 0.2 0.2

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#52

Tetrachloroethene

Concen: 10.613 ppbv

RT: 11.33 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion: 164 Resp: 1061056

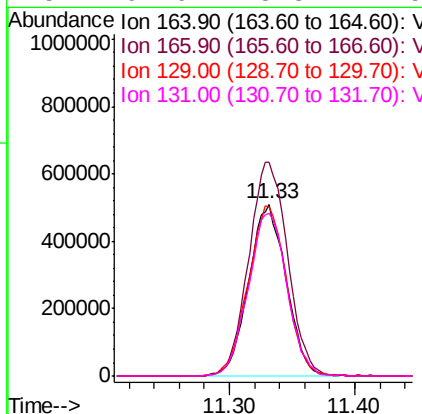
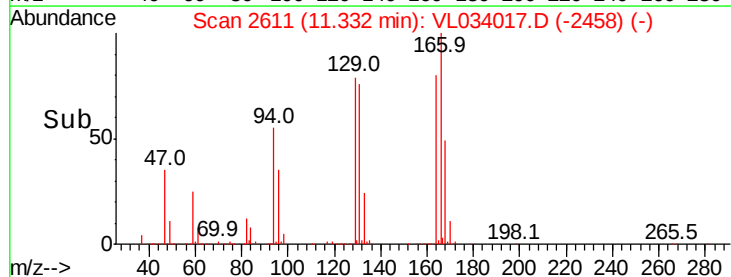
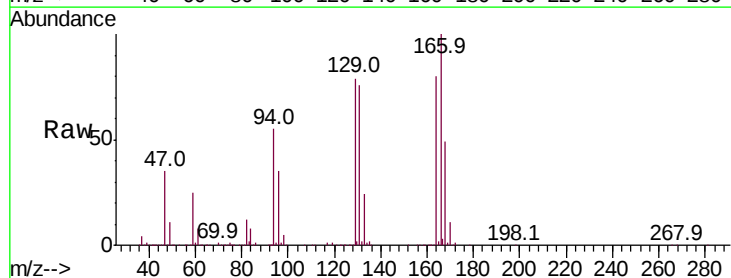
Ion Ratio Lower Upper

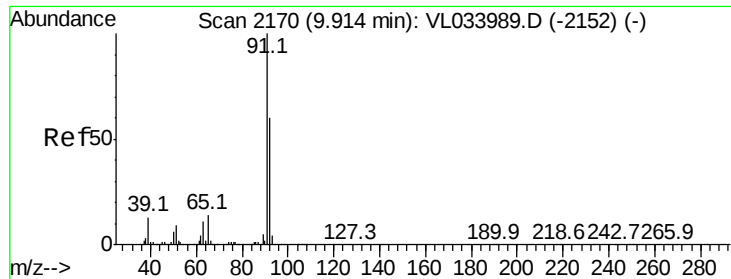
164 100

166 124.2 100.2 150.2

129 98.2 81.0 121.6

131 94.9 78.3 117.5





#53

Toluene

Concen: 12.011 ppbv

RT: 9.91 min Scan# 2168

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3193819

Ion Ratio Lower Upper

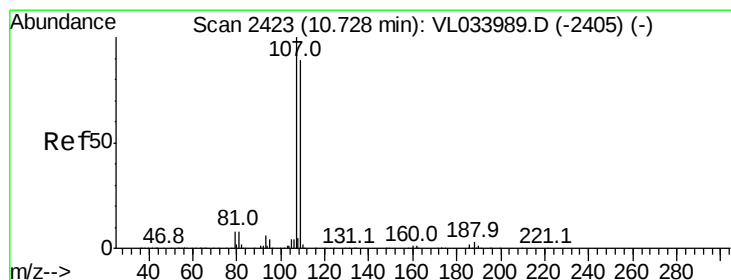
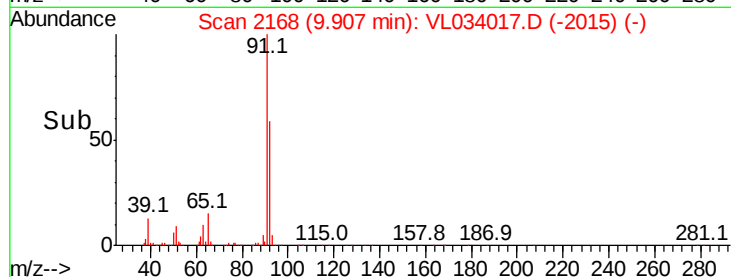
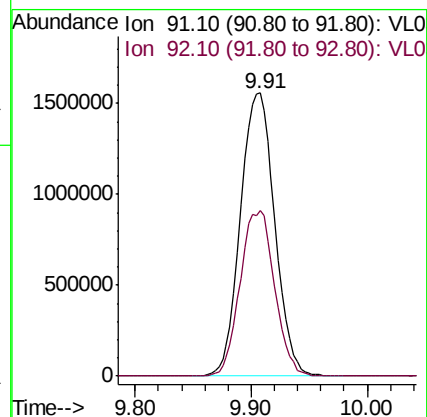
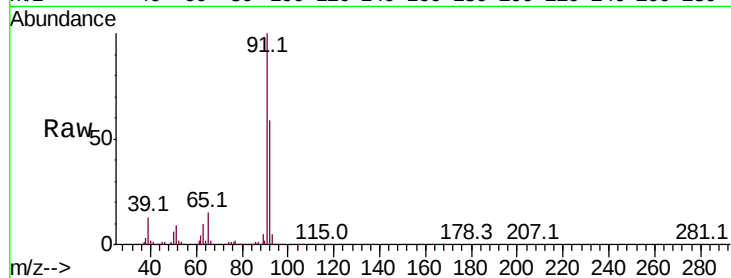
91 100

92 58.9 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 10.990 ppbv

RT: 10.71 min Scan# 2419

Delta R.T. -0.01 min

Lab File: VL034017.D

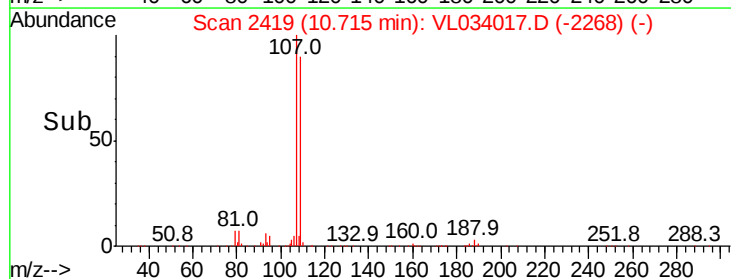
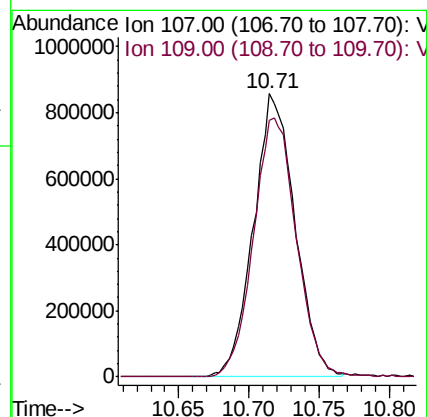
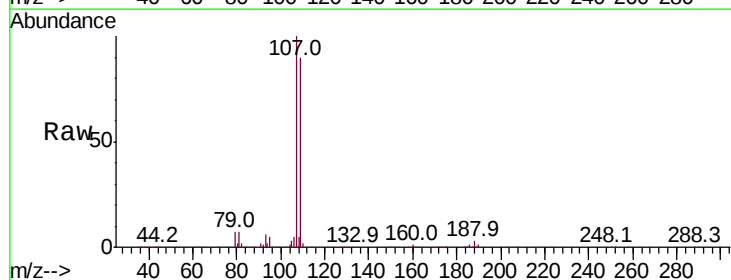
Acq: 11 Jul 2019 13:01

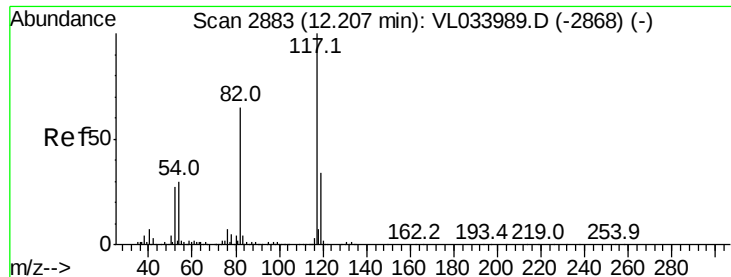
Tgt Ion: 107 Resp: 1761448

Ion Ratio Lower Upper

107 100

109 90.5 71.5 107.3





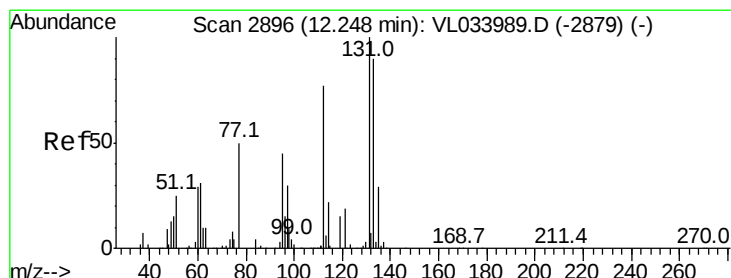
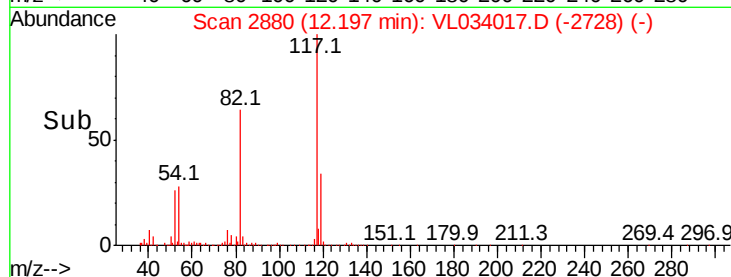
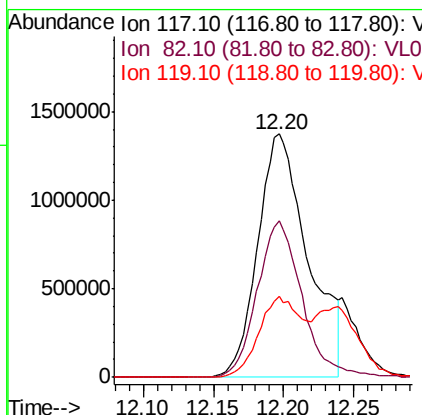
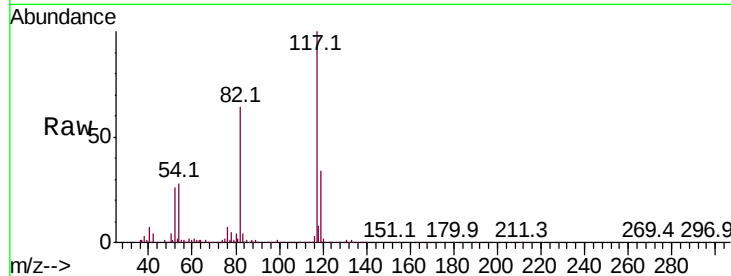
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2880
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	50.8	76.2
119	31.1	24.0	36.0

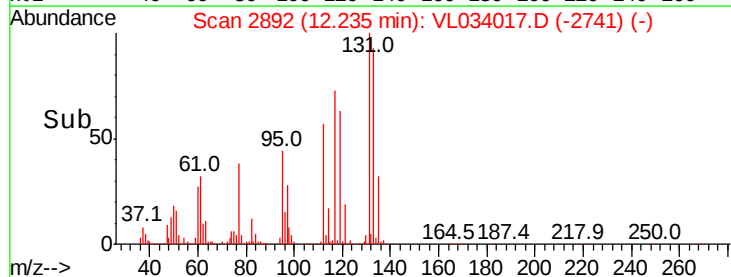
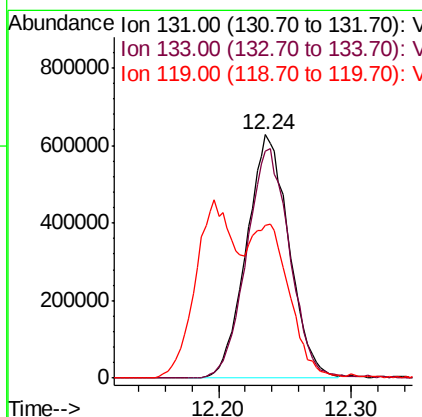
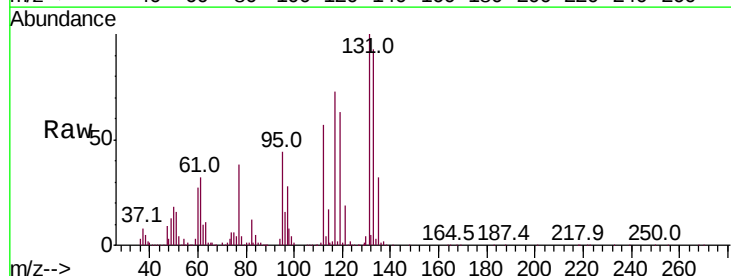
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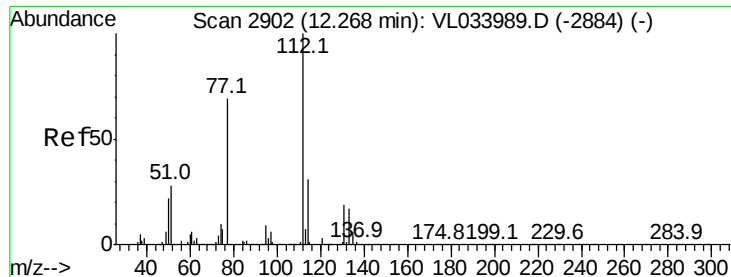
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.148 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	76.2	114.2
119	54.8	43.1	64.7





#57

Chlorobenzene

Concen: 9.239 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 112 Resp: 2511999

Ion Ratio Lower Upper

112 100

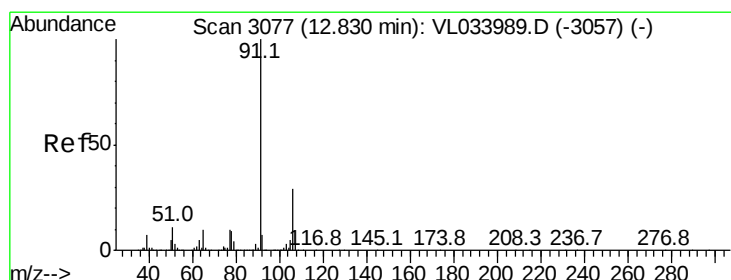
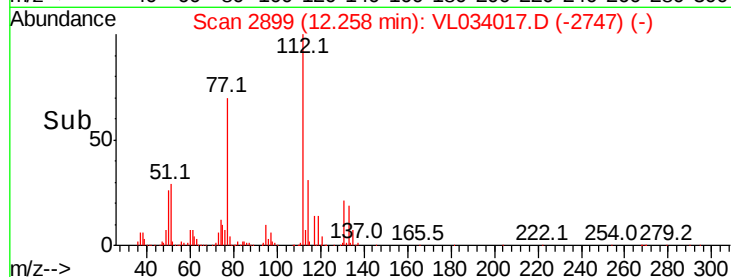
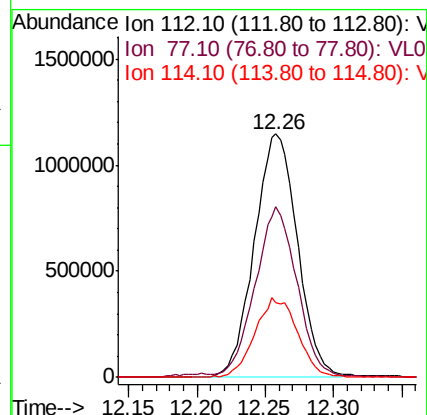
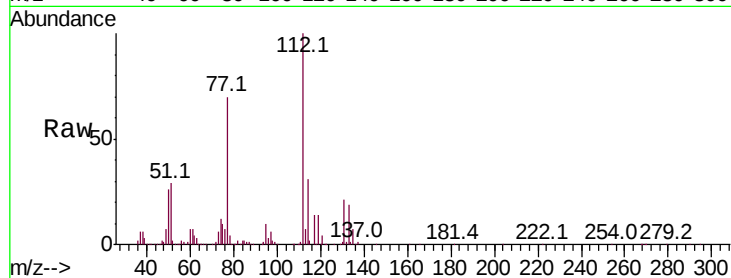
77 69.4 55.9 83.9

114 30.4 27.6 33.8

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#58

Ethyl Benzene

Concen: 10.620 ppbv

RT: 12.82 min Scan# 3074

Delta R.T. -0.01 min

Lab File: VL034017.D

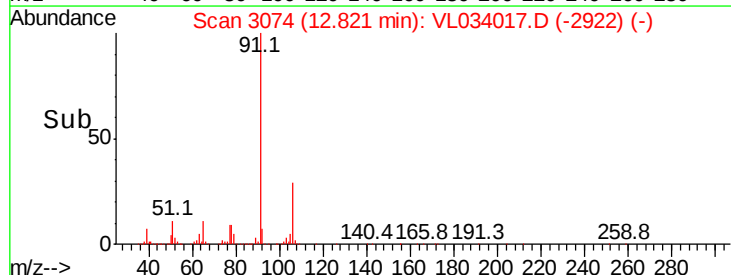
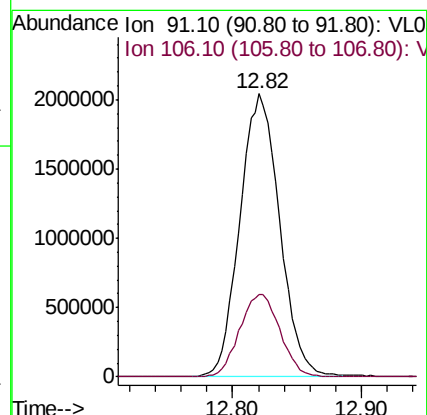
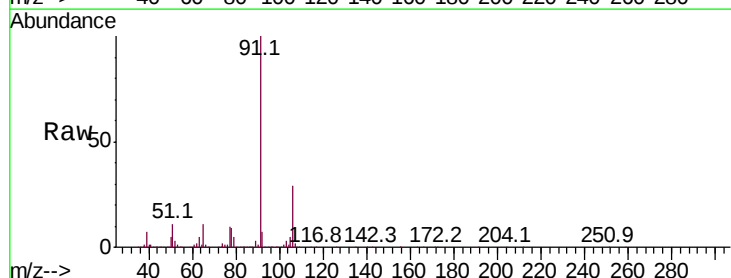
Acq: 11 Jul 2019 13:01

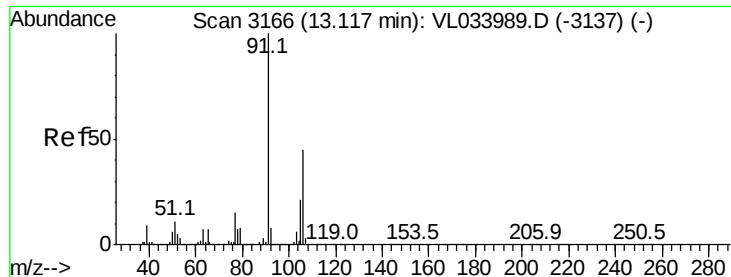
Tgt Ion: 91 Resp: 4361286

Ion Ratio Lower Upper

91 100

106 28.9 23.3 34.9





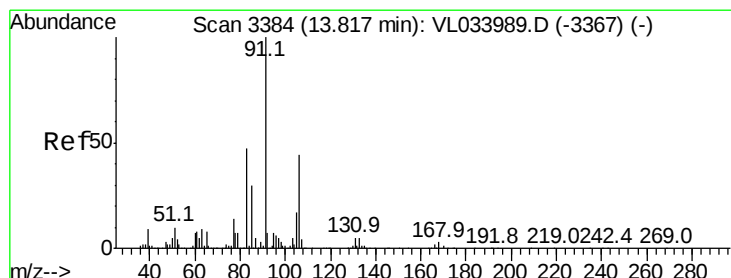
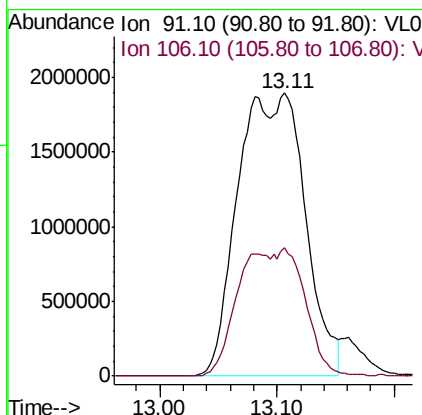
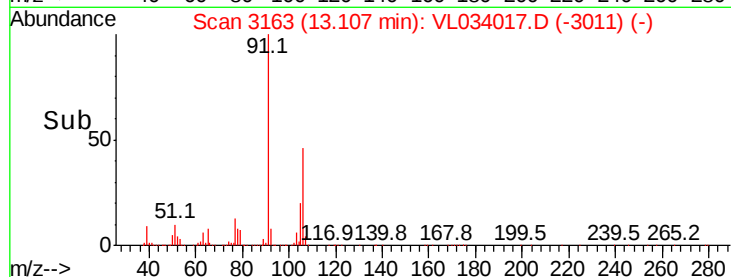
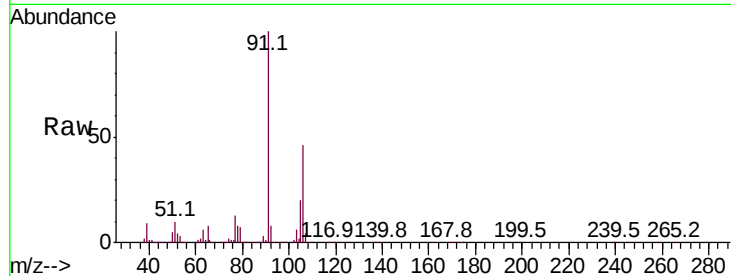
#59
m/p-Xylene
Concen: 20.250 ppbv m
RT: 13.11 min Scan# 3163
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 7530042
Ion Ratio Lower Upper
91 100
106 44.7 35.7 53.5

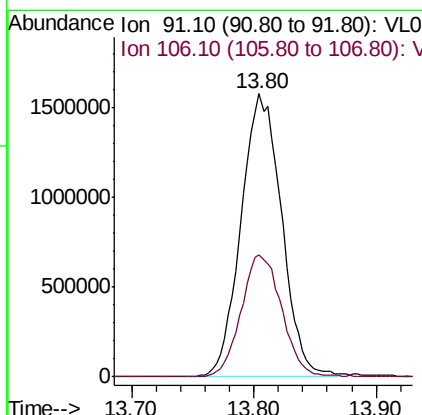
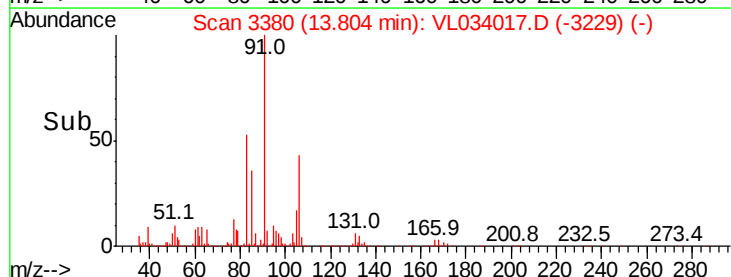
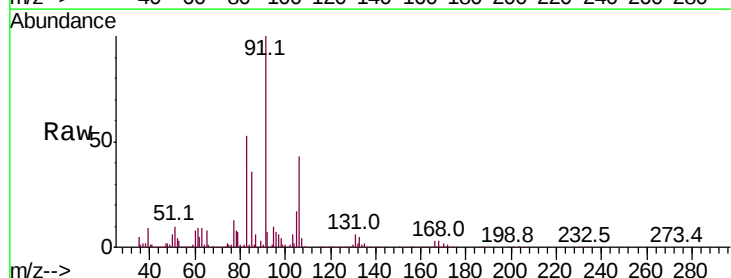
Manual Integrations
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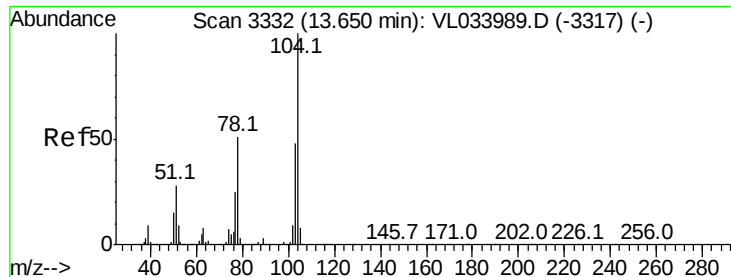
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#60
o-Xylene
Concen: 9.742 ppbv
RT: 13.80 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 91 Resp: 3624127
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.7





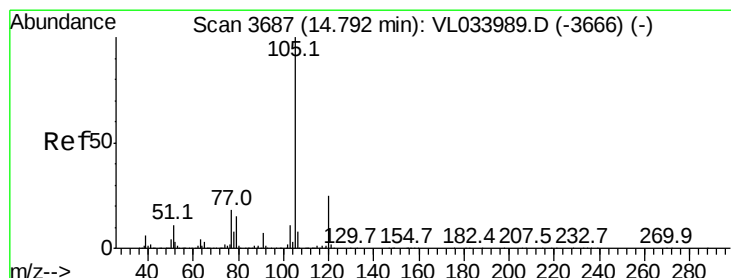
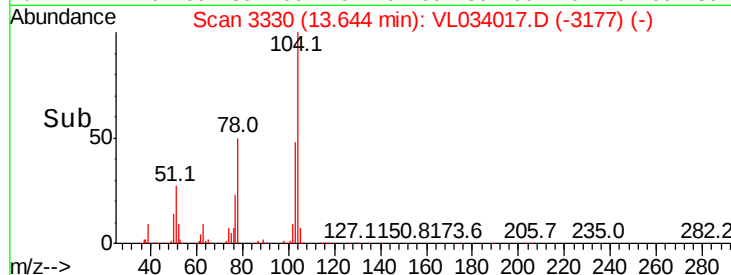
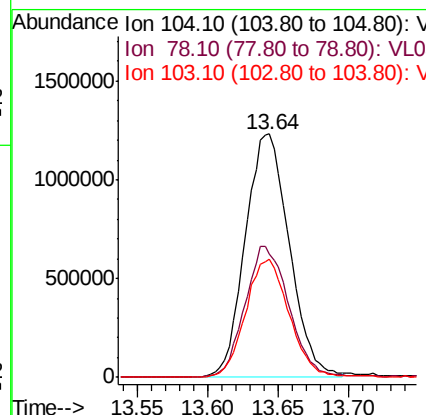
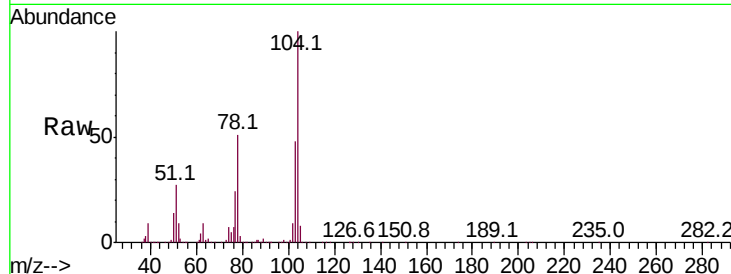
#61
Stvrene
Concen: 10.905 ppbv
RT: 13.64 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.7	43.9	65.9
103	48.4	38.1	57.1

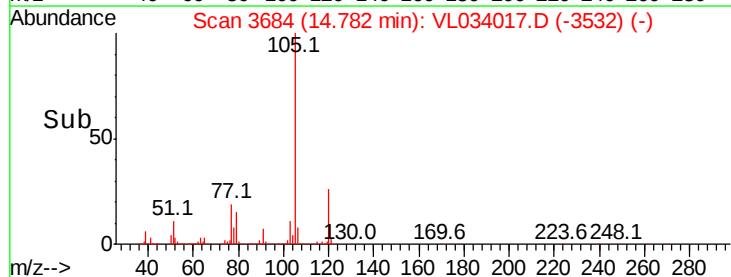
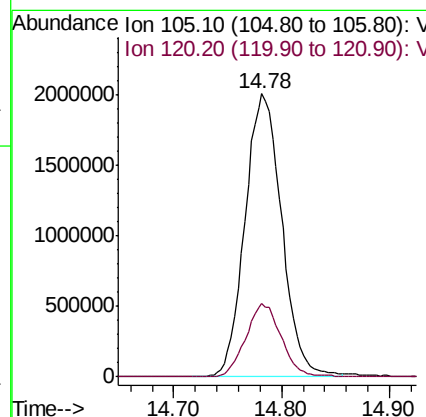
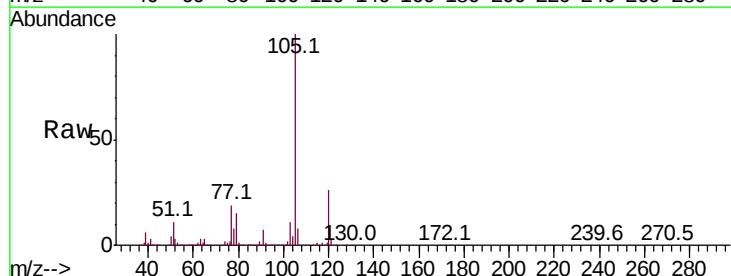
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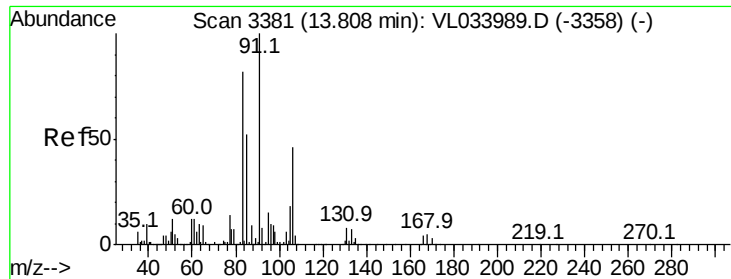
MMDadoda
7/12/2019 10:46:52 PM



#62
Isopropylbenzene
Concen: 8.310 ppbv
RT: 14.78 min Scan# 3684
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.784 ppbv

RT: 13.79 min Scan# 3376

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2529288

Ion Ratio Lower Upper

83 100

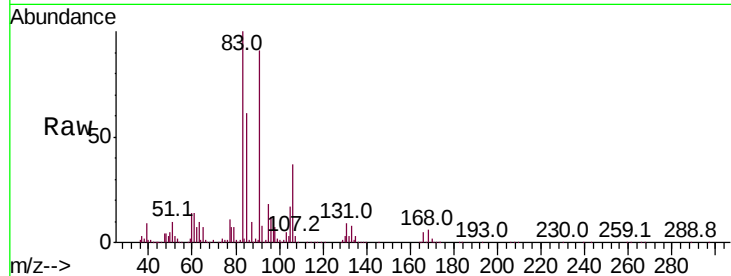
131 9.9 5.0 14.9

85 64.5 32.8 98.3

Manual Integrations
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MMDadoda

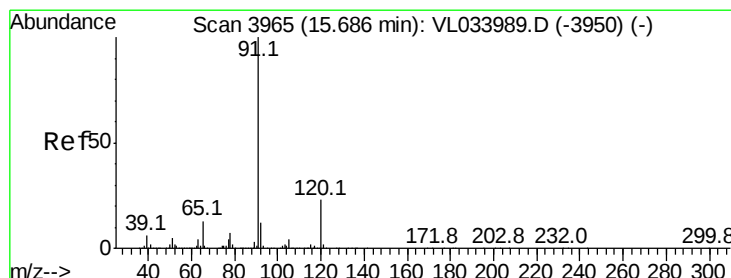
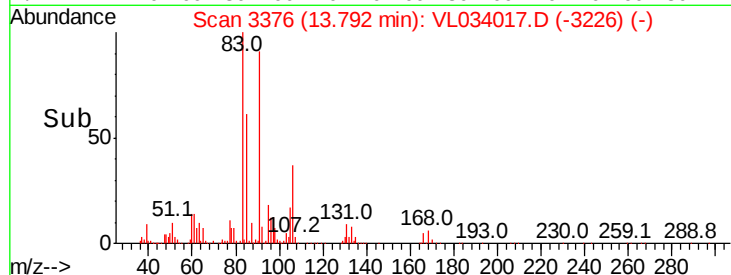
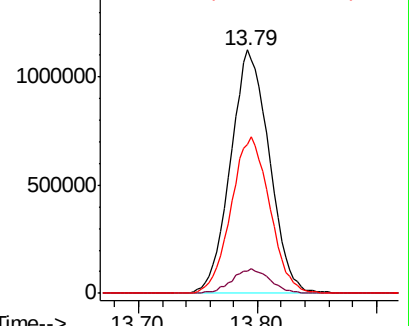
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.235 ppbv

RT: 15.68 min Scan# 3963

Delta R.T. -0.01 min

Lab File: VL034017.D

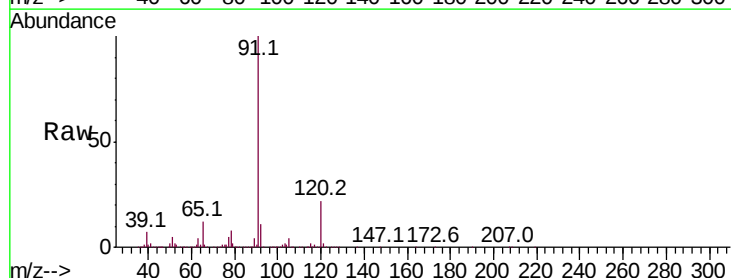
Acq: 11 Jul 2019 13:01

Tgt Ion:120 Resp: 1221139

Ion Ratio Lower Upper

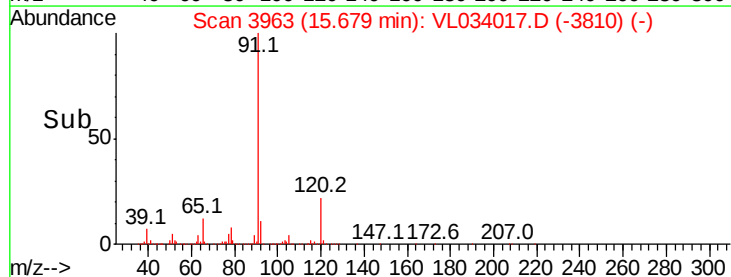
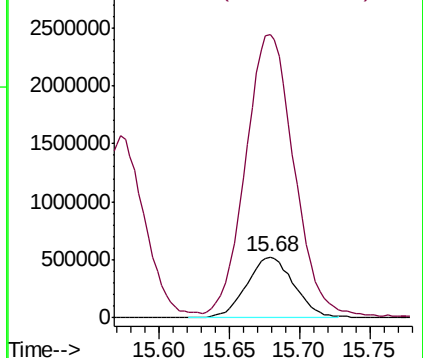
120 100

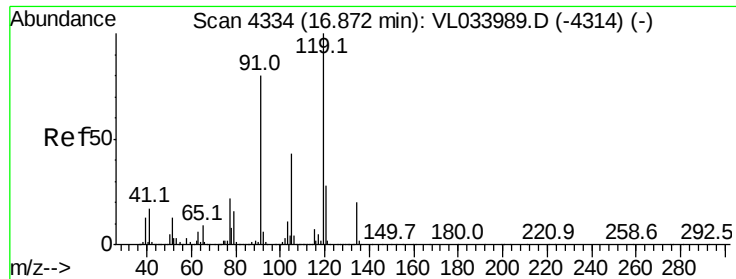
91 488.0 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





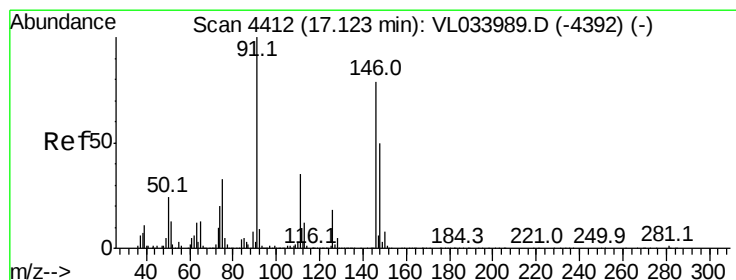
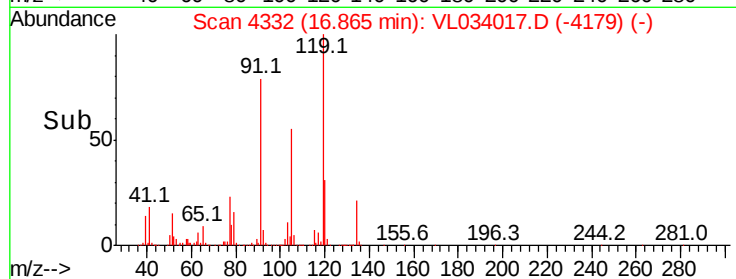
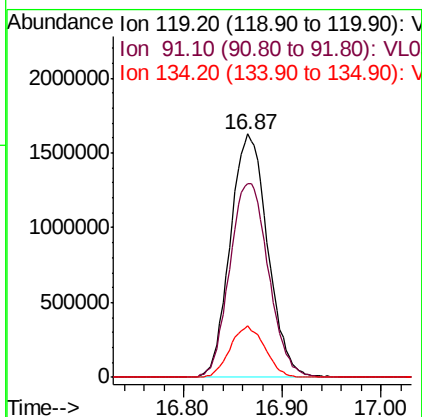
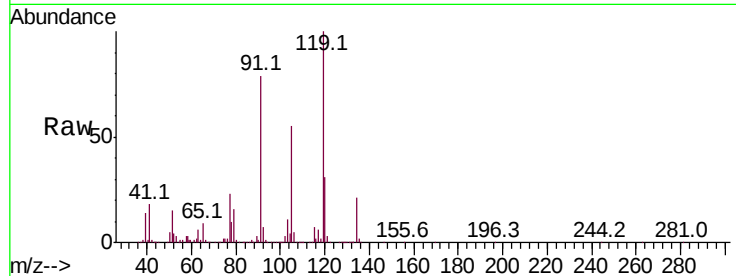
#65
tert-Butylbenzene
Concen: 8.780 ppbv
RT: 16.87 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.2	67.0	100.6
134	19.9	15.8	23.6

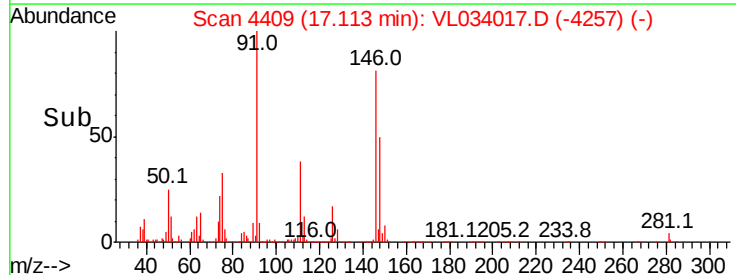
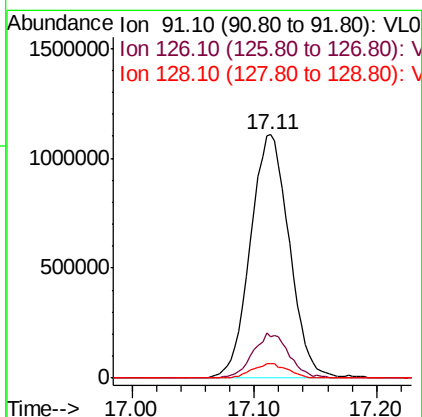
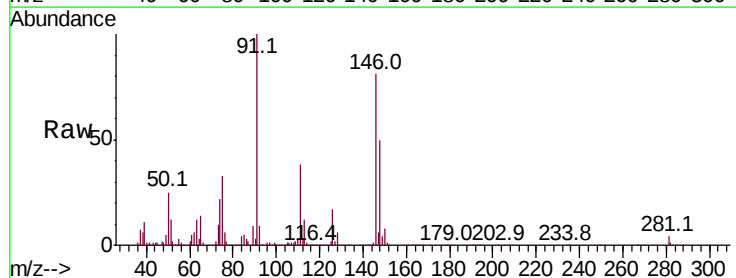
Manual Integrations
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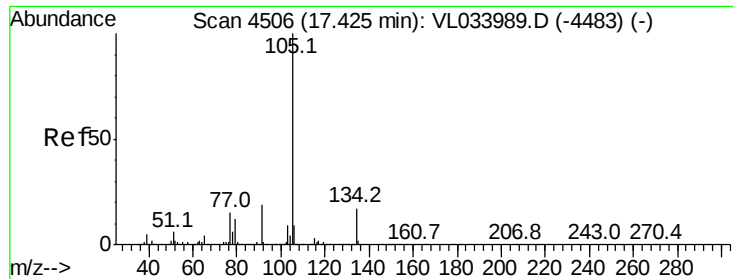
MMDadoda
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#66
Benzyl Chloride
Concen: 9.775 ppbv
RT: 17.11 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.9	20.9
128	5.7	4.6	7.0





#67

sec-Butylbenzene

Concen: 8.831 ppbv

RT: 17.42 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 6027591

Ion Ratio Lower Upper

105 100

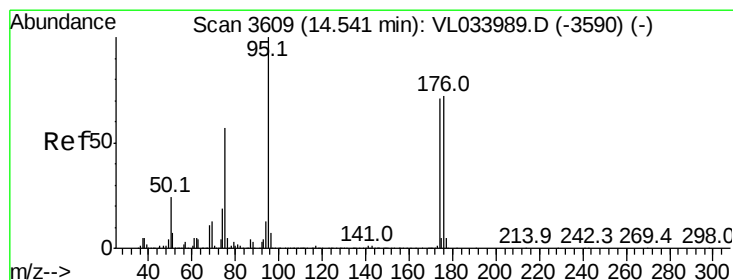
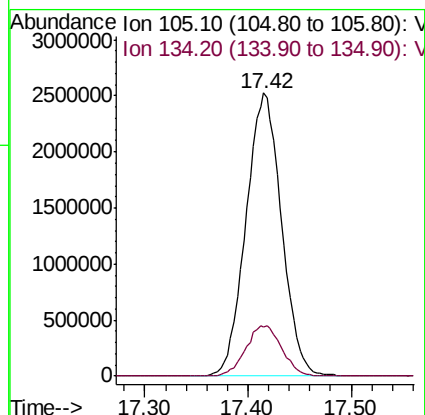
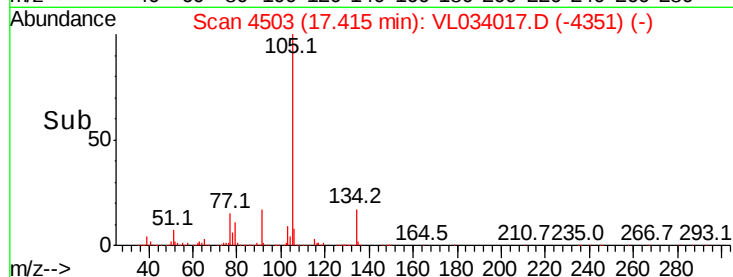
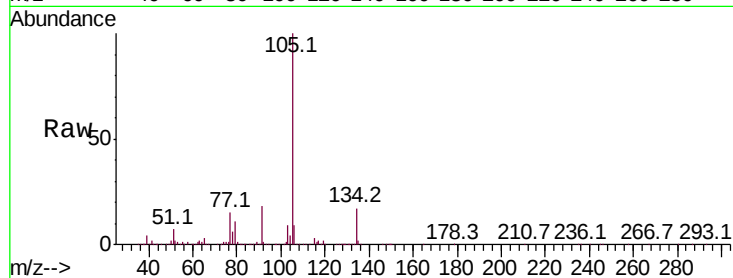
134 18.1 14.7 22.1

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 8.051 ppbv

RT: 14.53 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

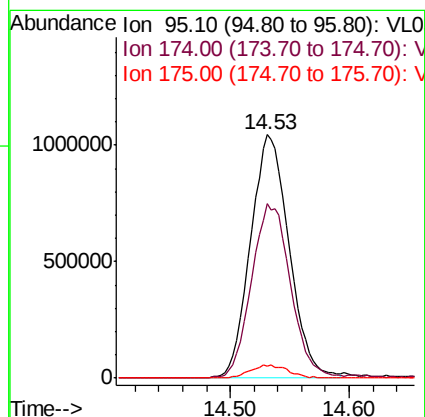
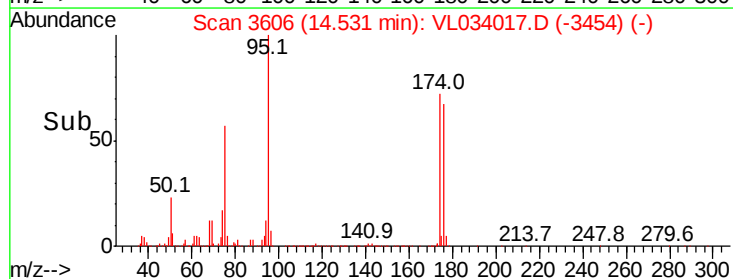
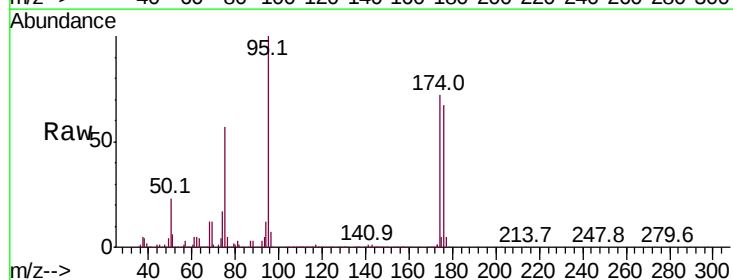
Tgt Ion: 95 Resp: 2345120

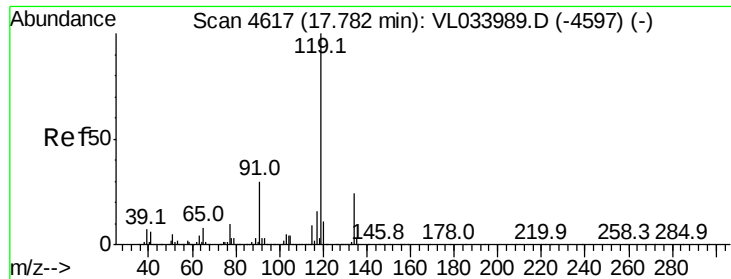
Ion Ratio Lower Upper

95 100

174 73.8 60.5 90.7

175 5.3 4.0 6.0





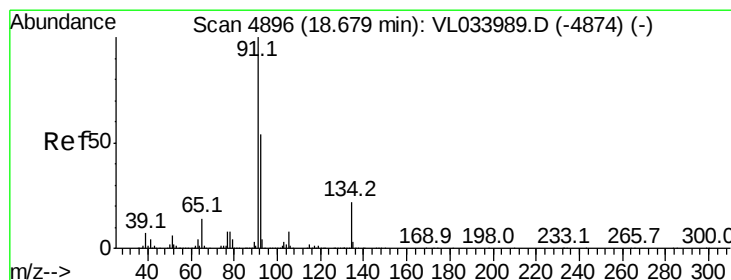
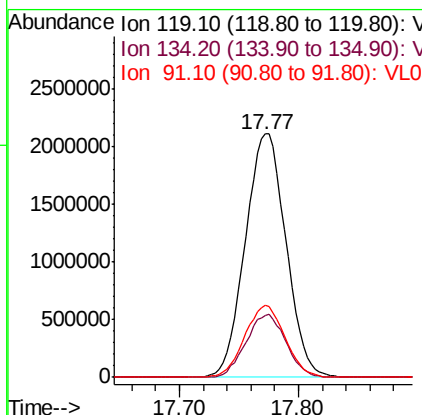
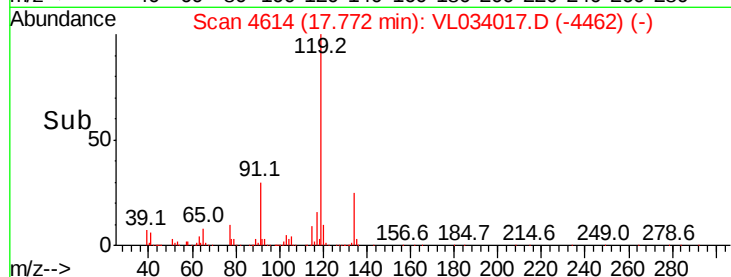
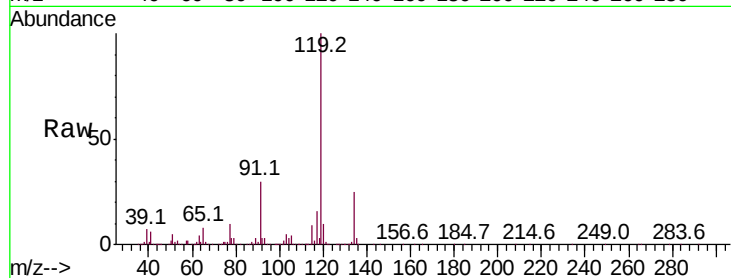
#69
p-Isopropyltoluene
Concen: 8.859 ppbv
RT: 17.77 min Scan# 4614
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.1	30.1
91	29.3	23.6	35.4

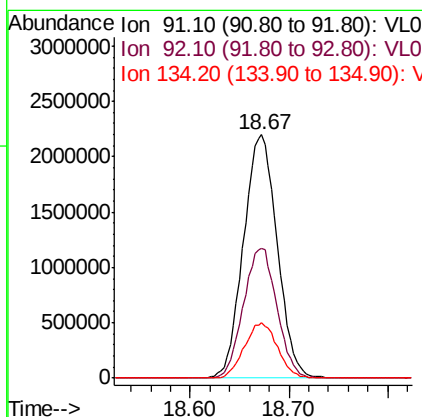
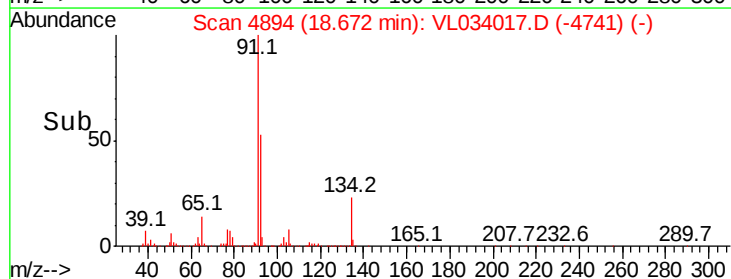
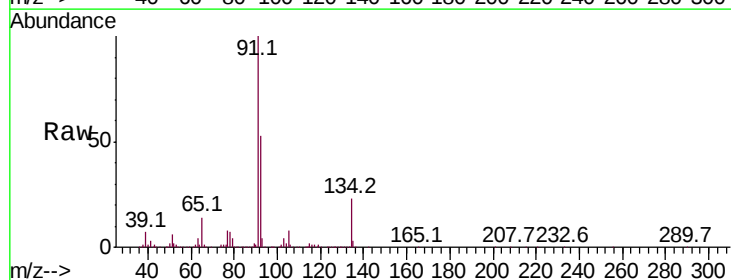
Manual Integrations
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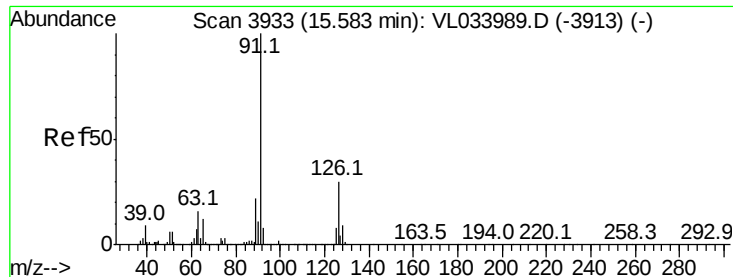
MMDadoda
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#70
n-Butylbenzene
Concen: 8.763 ppbv
RT: 18.67 min Scan# 4894
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.0	63.0
134	22.3	17.9	26.9





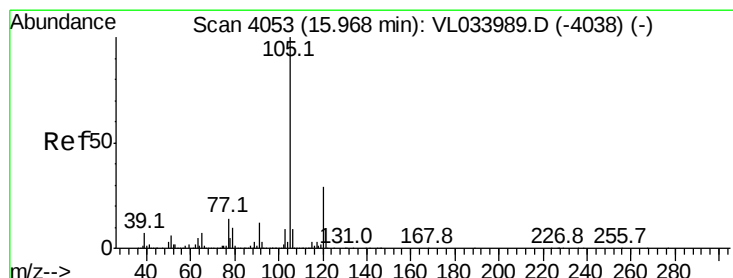
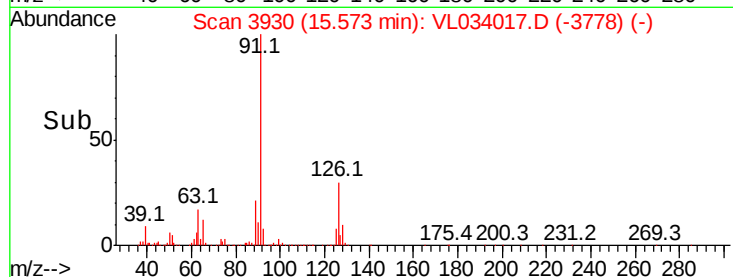
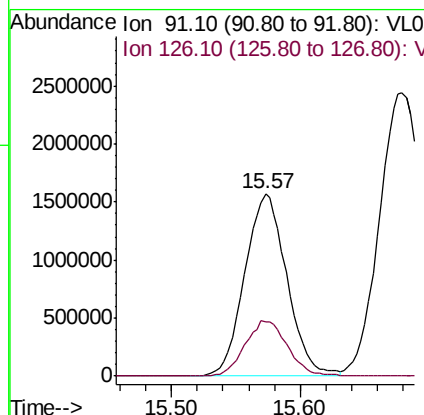
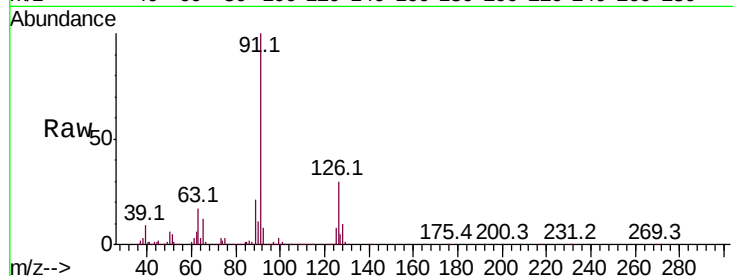
#71
2-Chlorotoluene
Concen: 8.515 ppbv
RT: 15.57 min Scan# 3930
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3563723
Ion Ratio Lower Upper
91 100
126 31.3 12.3 49.3

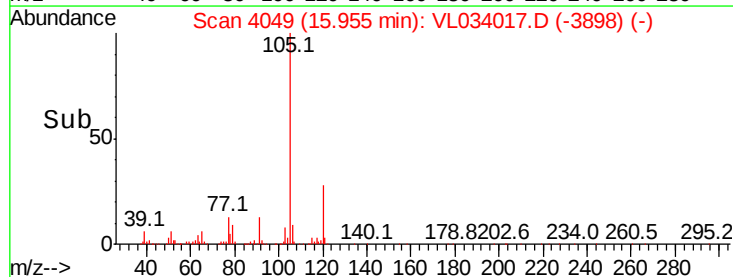
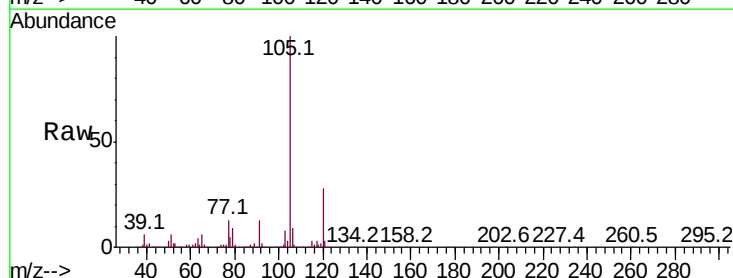
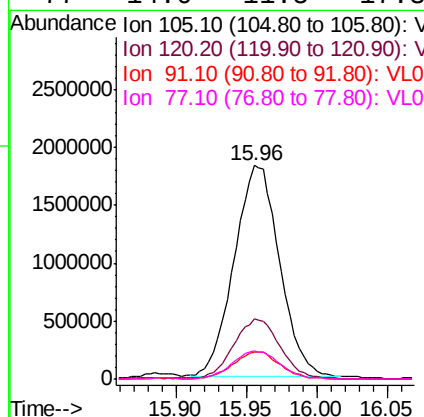
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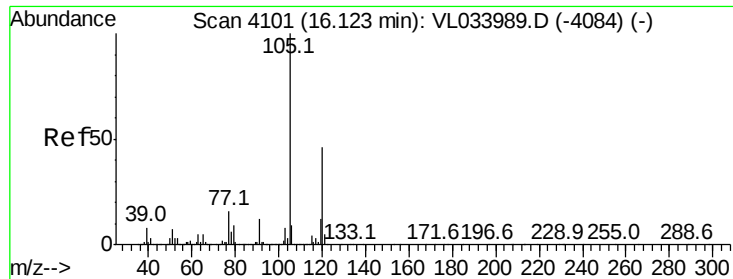
MMDadoda
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#72
4-Ethyltoluene
Concen: 8.606 ppbv
RT: 15.96 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 105 Resp: 4111405
Ion Ratio Lower Upper
105 100
120 30.0 24.1 36.1
91 13.2 10.6 16.0
77 14.0 11.5 17.3





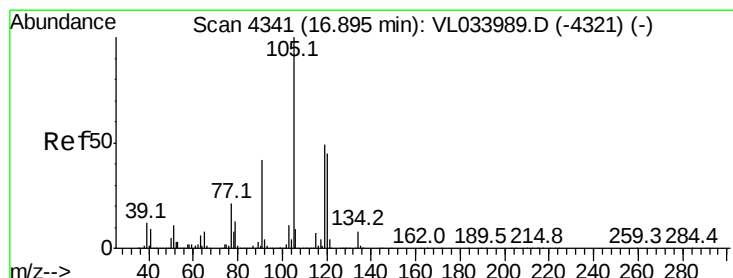
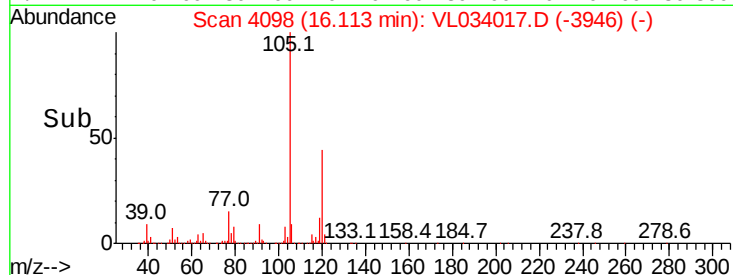
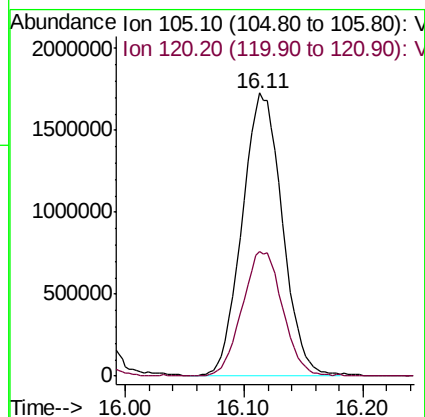
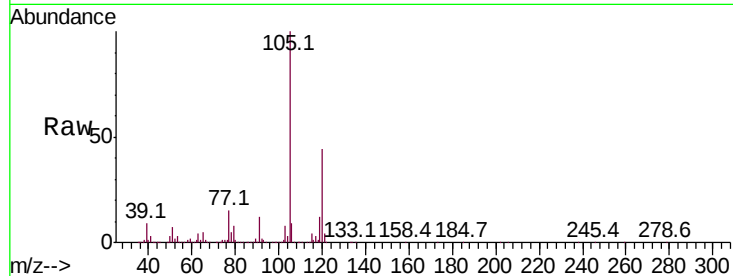
#73
 1,3,5-Trimethylbenzene
 Concen: 9.075 ppbv
 RT: 16.11 min Scan# 4098
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4033850
 Ion Ratio Lower Upper
 105 100
 120 44.0 36.4 54.6

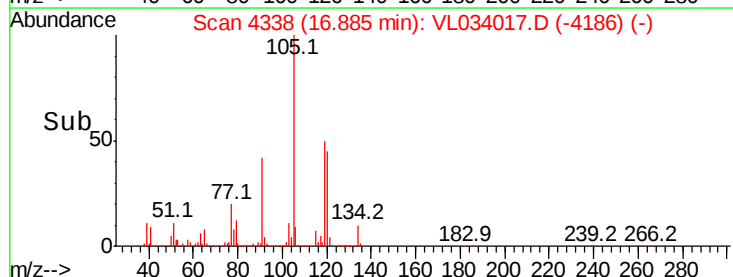
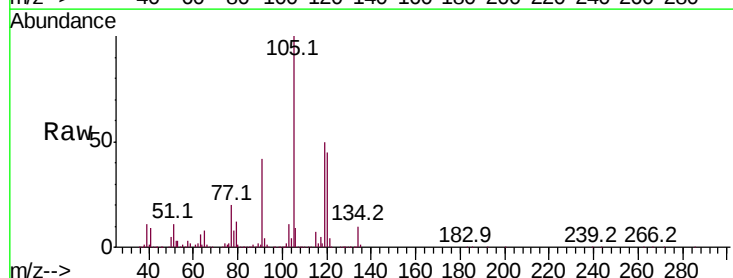
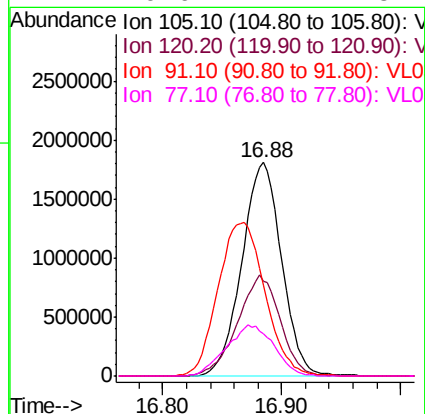
Manual Integrations
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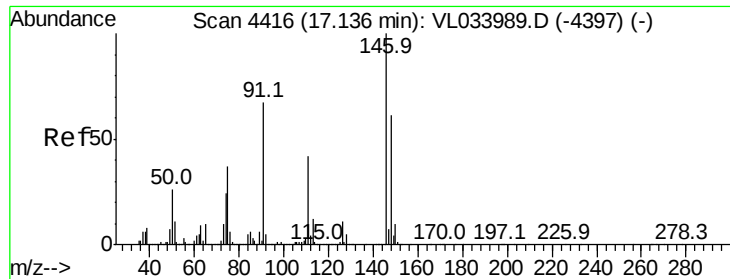
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.470 ppbv
 RT: 16.88 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion:105 Resp: 4170138
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.2 54.2
 91 42.1 34.3 51.5
 77 19.6 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 7.928 ppbv

RT: 17.12 min Scan# 4411

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 2479343

Ion Ratio Lower Upper

146 100

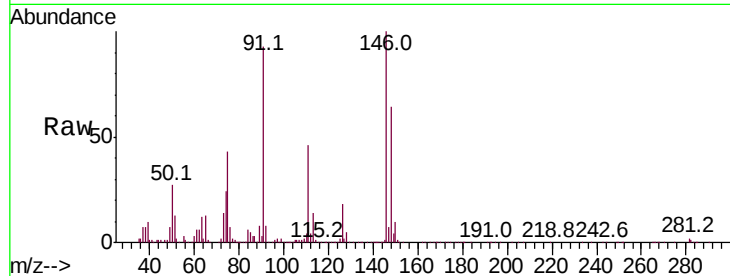
111 44.7 22.3 66.9

148 64.2 32.0 96.2

Manual Integrations
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MMDadoda

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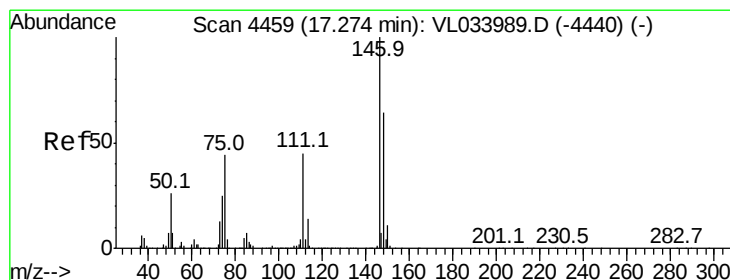
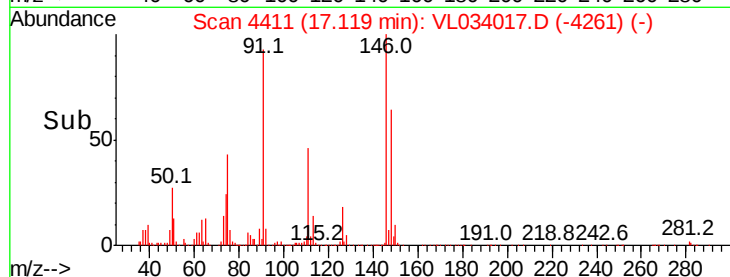
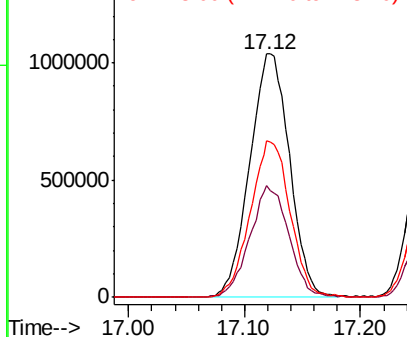


Abundance

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



#76

1,4-Dichlorobenzene

Concen: 8.446 ppbv

RT: 17.26 min Scan# 4456

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

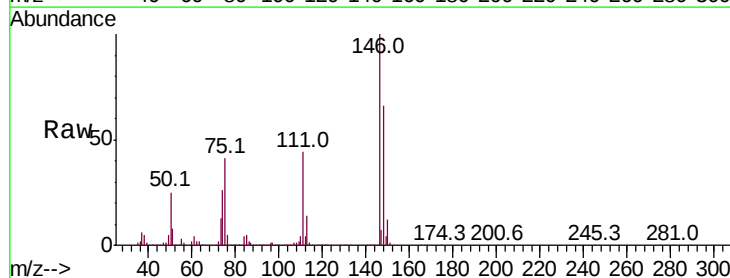
Tgt Ion:146 Resp: 2487633

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.5

148 64.8 32.5 97.5

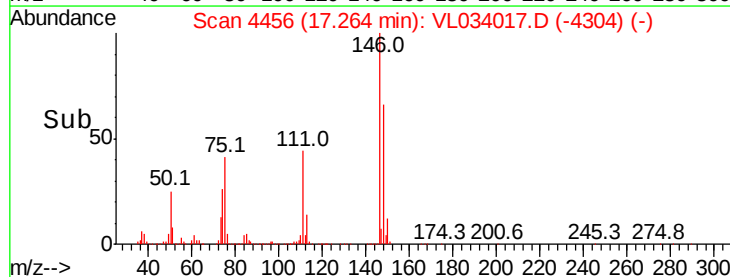
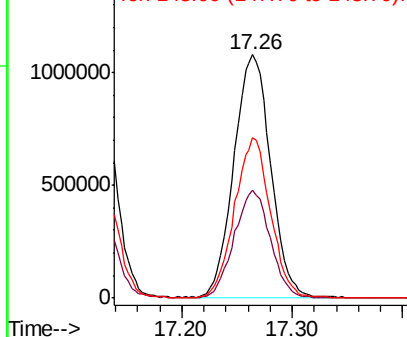


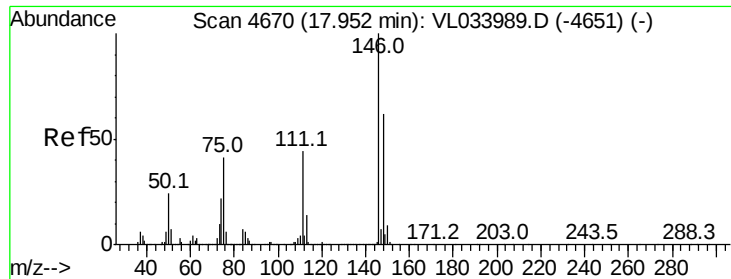
Abundance

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





#77

1,2-Dichlorobenzene

Concen: 8.124 ppbv

RT: 17.95 min Scan# 4668

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

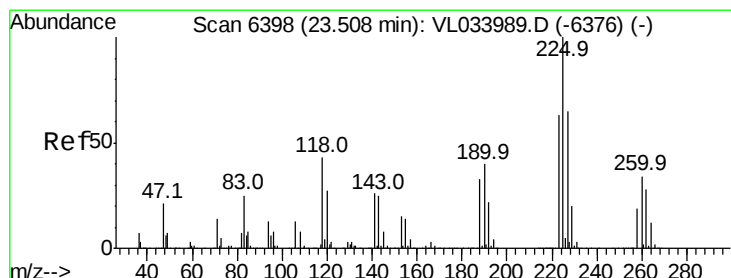
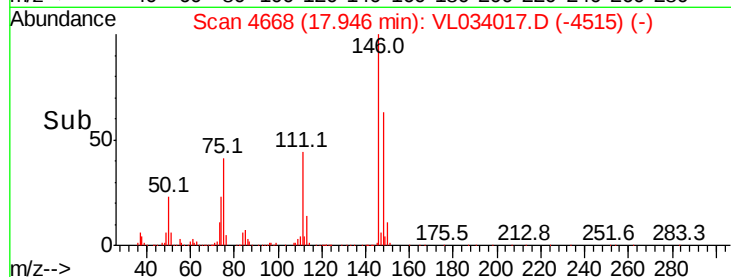
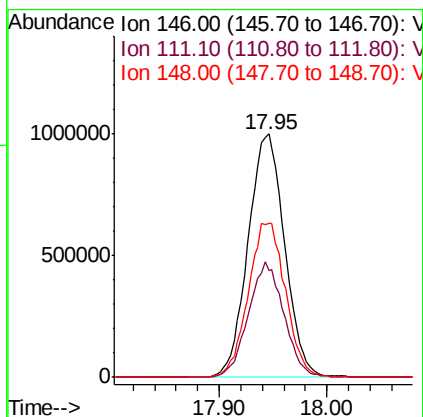
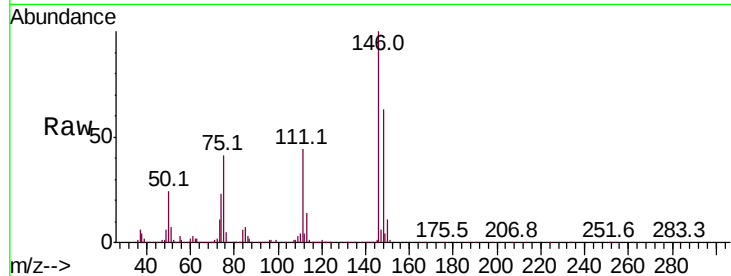
ClientSampled :

VSTDCCC010

Tot Ion:	146	Resp:	2352608
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.7	68.1
148	64.8	32.1	96.3

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#78

Hexachloro-1,3-Butadiene

Concen: 9.047 ppbv

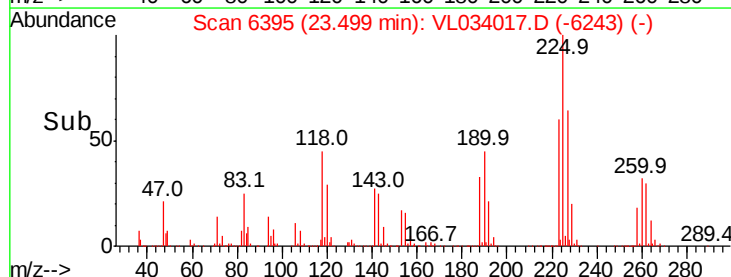
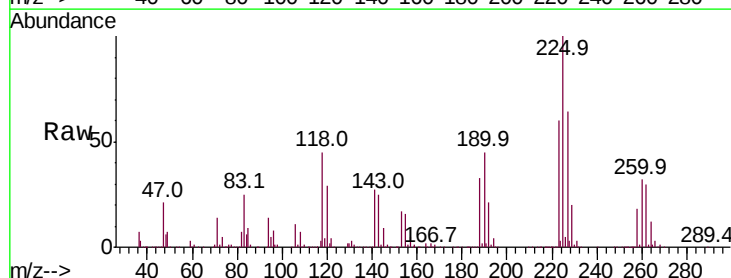
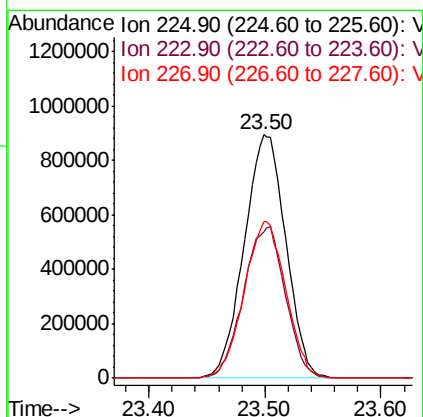
RT: 23.50 min Scan# 6395

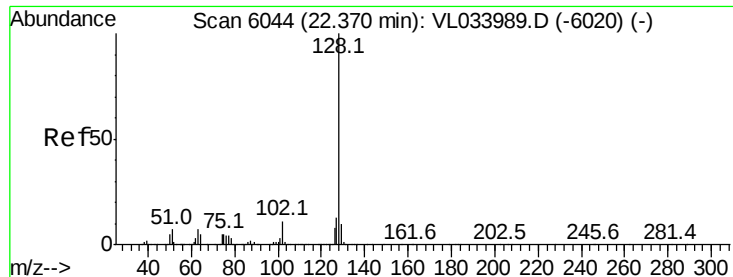
Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion:	225	Resp:	2229276
Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.5	77.3
227	64.3	52.1	78.1





#79

Naphthalene

Concen: 9.361 ppbv

RT: 22.35 min Scan# 6039

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3874595

Ion Ratio Lower Upper

128 100

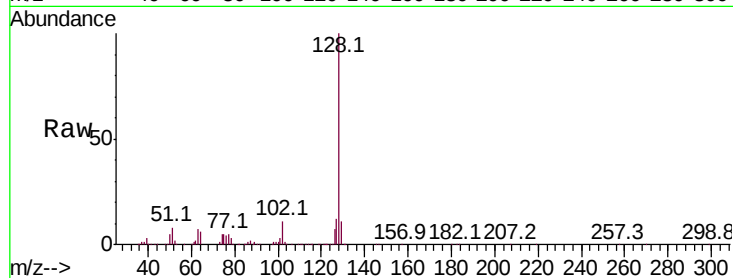
127 12.2 10.6 15.8

129 11.5 8.3 12.5

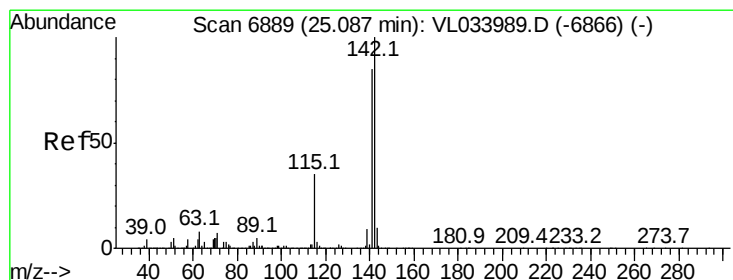
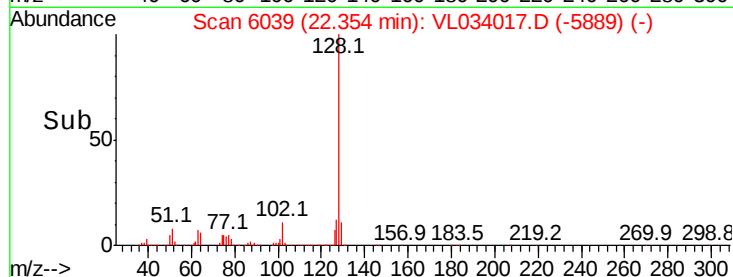
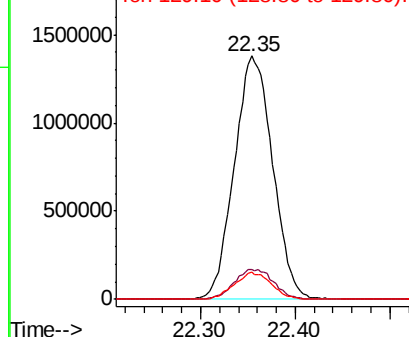
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.233 ppbv

RT: 25.08 min Scan# 6886

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

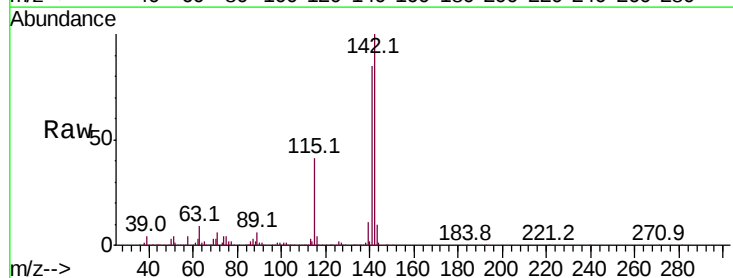
Tgt Ion:142 Resp: 1993192

Ion Ratio Lower Upper

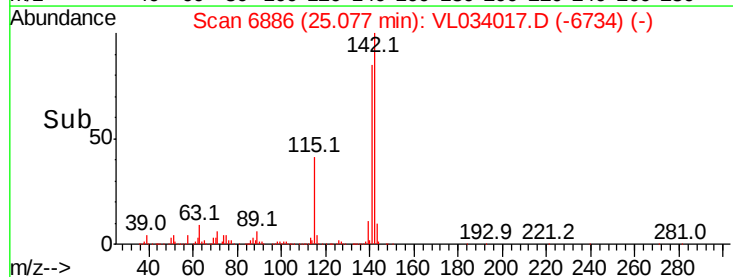
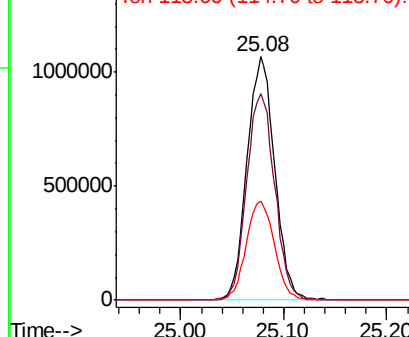
142 100

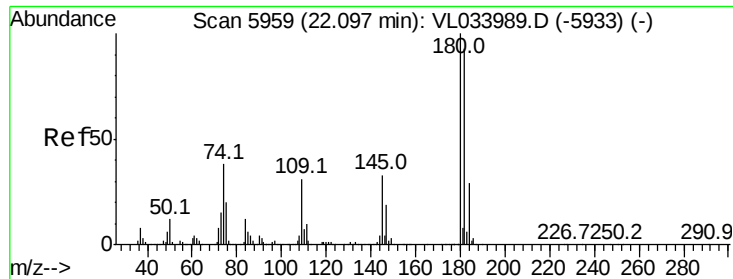
141 86.1 68.2 102.2

115 41.7 29.9 44.9



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





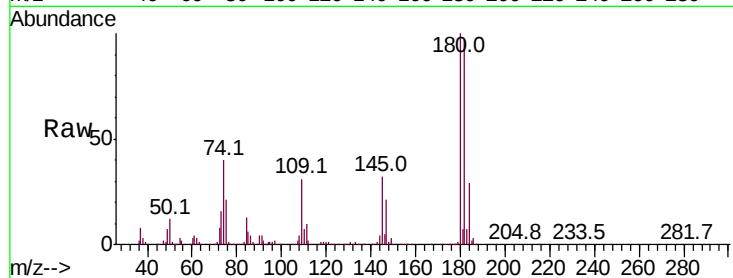
#81
 1,2,4-Trichlorobenzene
 Concen: 8.547 ppbv
 RT: 22.08 min Scan# 5954
 Delta R.T. -0.02 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.6	114.8
184	30.9	24.6	36.8

Manual Integrations
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

