

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034276.D
 Acq On : 9 Oct 2019 13:02
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:08:52 PM

Quant Time: Oct 10 02:32:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 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	955545	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1830757	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1957619	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1583985m	9.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1503705	10.654	ppbv	100
3) Chlorodifluoromethane	2.97	51	1043001	9.309	ppbv	98
4) Chloromethane	3.12	50	603565	9.167	ppbv	100
5) Vinyl Chloride	3.24	62	551787	9.171	ppbv	99
6) Bromomethane	3.46	94	296949	10.578	ppbv	94
7) Chloroethane	3.55	64	199450	9.484	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1181677	9.486	ppbv	100
9) Propene	2.99	41	523020	9.462	ppbv	97
10) Heptane	8.17	43	1332631	9.250	ppbv	99
11) Trichlorofluoromethane	3.94	101	1226318	9.545	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	847835	10.084	ppbv	99
13) Ethanol	3.59	45	111692	8.344	ppbv	95
14) Bromoethene	3.73	108	361165	10.506	ppbv	98
15) Acetone	3.84	43	1318894	10.298	ppbv	99
16) 1,3-Butadiene	3.31	39	535875	9.588	ppbv	99
17) tert-Butyl alcohol	4.29	59	839182	10.342	ppbv	99
18) 1,1-Dichloroethene	4.29	96	393377	10.727	ppbv	86
19) Isopropyl Alcohol	3.97	45	726265	9.222	ppbv	100
20) Methylene Chloride	4.34	84	347549	9.412	ppbv	90
21) Allyl Chloride	4.42	41	737987	10.202	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	400219	10.908	ppbv	95
23) Vinyl Acetate	5.09	43	1951512	10.341	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1145956	9.018	ppbv	99
25) Ethyl Acetate	5.70	43	2143998	8.853	ppbv	99
26) Hexane	5.71	57	921870	9.151	ppbv	97
27) Carbon Disulfide	4.56	76	985258	10.604	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1509193	10.087	ppbv	97
29) Chloroform	5.78	83	1367142	9.497	ppbv	99
30) Cyclohexane	7.17	84	734932	10.105	ppbv	93
31) cis-1,2-Dichloroethene	5.57	61	969807	9.443	ppbv	93
32) 1,1,1-Trichloroethane	6.54	97	1290110	9.292	ppbv	97
34) 2-Butanone	5.26	43	1517001	8.115	ppbv	96
35) Carbon Tetrachloride	7.05	117	1243887	8.178	ppbv	100
36) Benzene	6.92	78	1808768	8.946	ppbv	98
37) 1,2-Dichloroethane	6.34	62	1125038	7.823	ppbv	98
38) Trichloroethene	7.88	130	583554	8.077	ppbv	99
39) 1,2-Dichloropropane	7.65	63	763794	8.407	ppbv	92
40) 1,4-Dioxane	7.87	88	258923	8.807	ppbv #	83
41) Tetrahydrofuran	6.07	42	895069	8.502	ppbv	96
42) Bromodichloromethane	7.84	83	1479165	8.570	ppbv	99
43) Methyl Methacrylate	8.06	69	780669	9.346	ppbv	92

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Quant Time: Oct 10 02:32:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3197691	8.215	ppbv	97
45) t-1,3-Dichloropropene	9.34	75	969116	9.813	ppbv	95
46) cis-1,3-Dichloropropene	8.75	75	1115990	9.394	ppbv	90
47) 1,1,2-Trichloroethane	9.53	97	714373	8.757	ppbv	97
48) Dibromochloromethane	10.37	129	1136026	8.786	ppbv	99
49) Bromoform	13.11	173	995496	9.514	ppbv	98
50) 4-Methyl-2-Pentanone	8.79	43	2205695	8.108	ppbv	99
51) 2-Hexanone	10.19	43	1906303	8.350	ppbv #	96
52) Tetrachloroethene	11.29	164	583847	8.740	ppbv	96
53) Toluene	9.86	91	2025904	9.168	ppbv	98
54) 1,2-Dibromoethane	10.67	107	1090383	8.988	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	766556	8.780	ppbv	100
57) Chlorobenzene	12.21	112	1407976	8.261	ppbv	99
58) Ethyl Benzene	12.78	91	2750403	8.707	ppbv	99
59) m/p-Xylene	13.06	91	4475004m	17.105	ppbv	
60) o-Xylene	13.76	91	2211162	8.452	ppbv	99
61) Styrene	13.60	104	1675578	8.942	ppbv	98
62) Isopropylbenzene	14.74	105	2874915	8.489	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1635189	7.623	ppbv	99
64) n-propylbenzene	15.64	120	752448	8.782	ppbv	93
65) tert-Butylbenzene	16.82	119	2472665	8.356	ppbv	99
66) Benzyl Chloride	17.07	91	1301656	12.434	ppbv	99
67) sec-Butylbenzene	17.37	105	3612628	8.538	ppbv	99
69) p-Isopropyltoluene	17.73	119	2942257	8.587	ppbv	98
70) n-Butylbenzene	18.63	91	3359708	8.421	ppbv	98
71) 2-Chlorotoluene	15.53	91	2401100	8.678	ppbv	99
72) 4-Ethyltoluene	15.92	105	2553324	8.639	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2443537	8.558	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	2468348	8.141	ppbv #	92
75) 1,3-Dichlorobenzene	17.08	146	1379250	8.479	ppbv	97
76) 1,4-Dichlorobenzene	17.22	146	1376033	8.260	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1362863	8.278	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1100208	10.089	ppbv	98
79) Naphthalene	22.30	128	2544786	9.534	ppbv	99
80) Naphthalene,2-methyl-	25.04	142	1047133	8.436	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1248200	8.442	ppbv	100

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

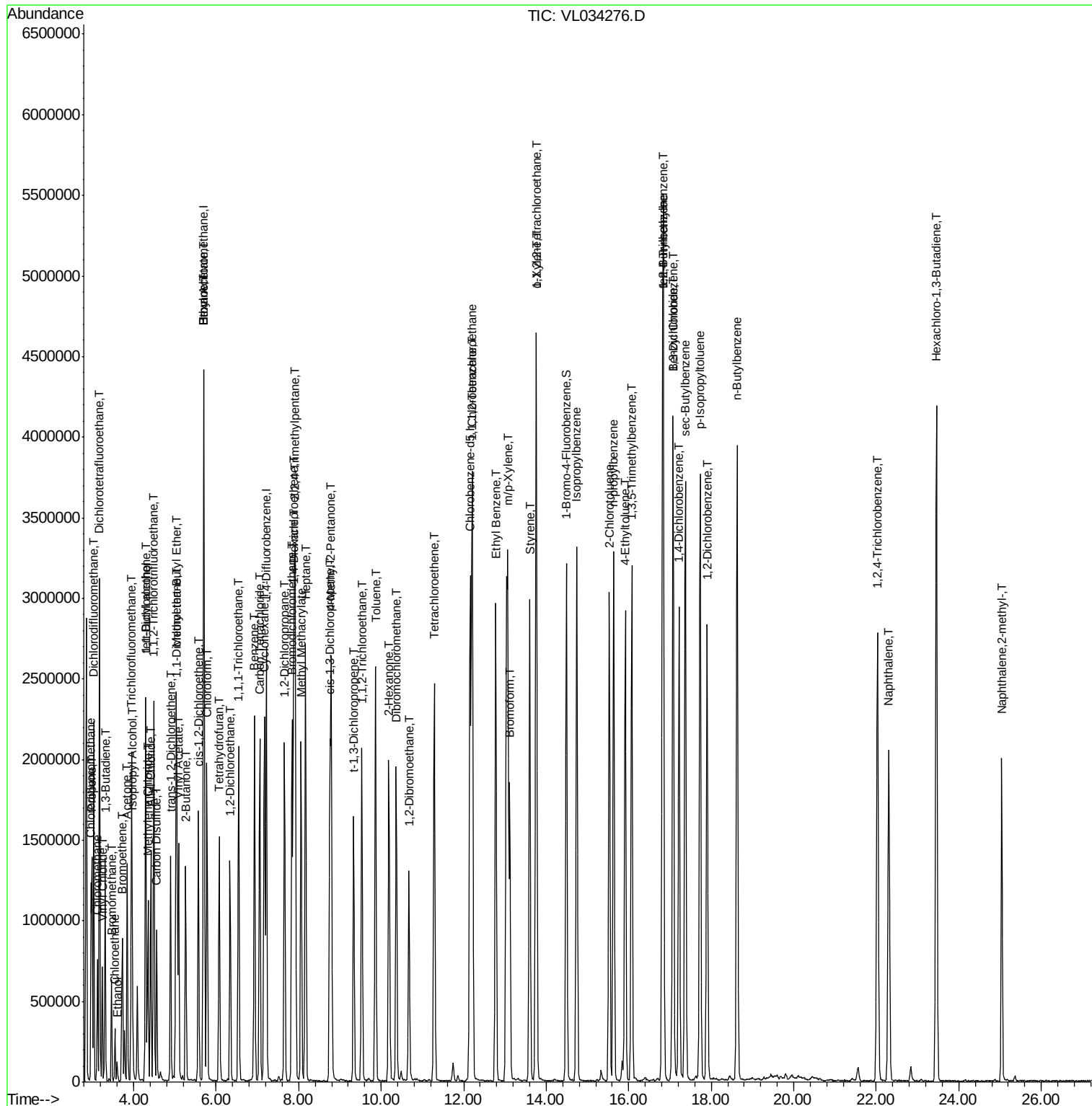
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
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Acq On : 9 Oct 2019 13:02
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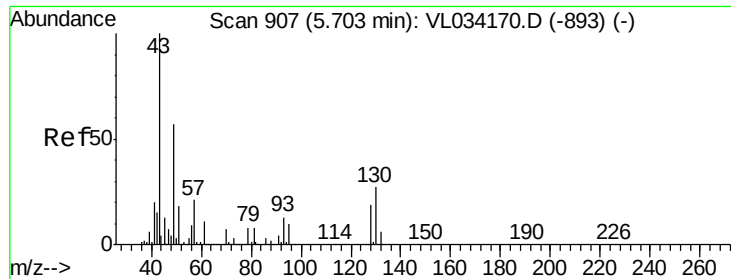
Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 955545

Ion Ratio Lower Upper

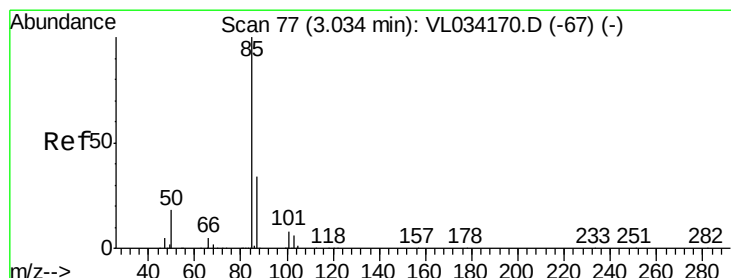
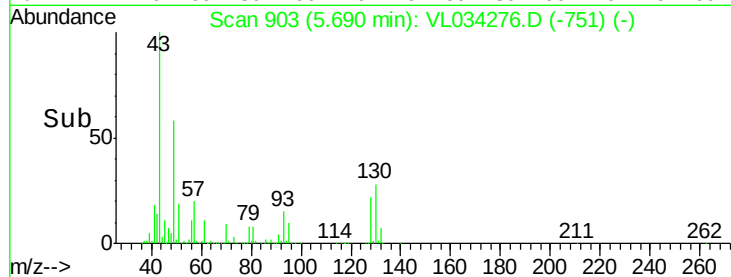
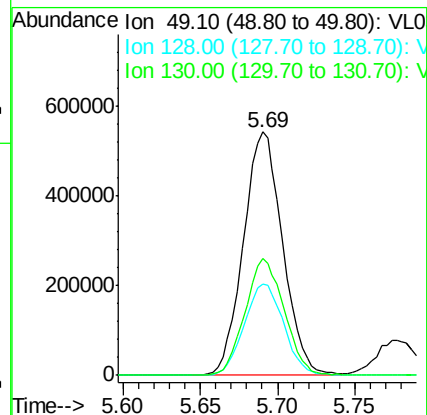
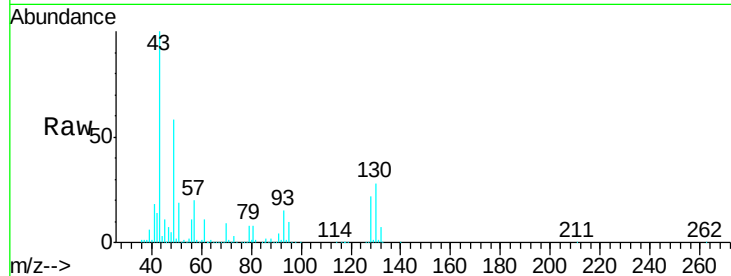
49 100

128 37.9 17.6 52.9

130 48.1 22.3 66.9

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#2

Dichlorodifluoromethane

Concen: 10.654 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034276.D

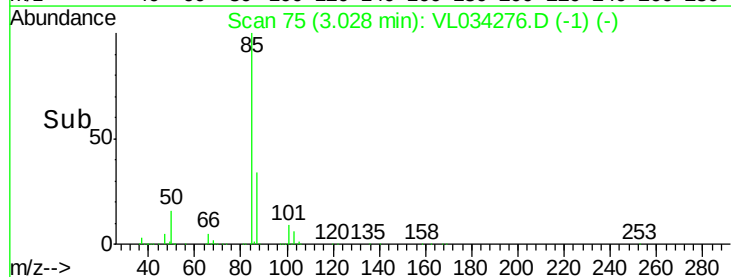
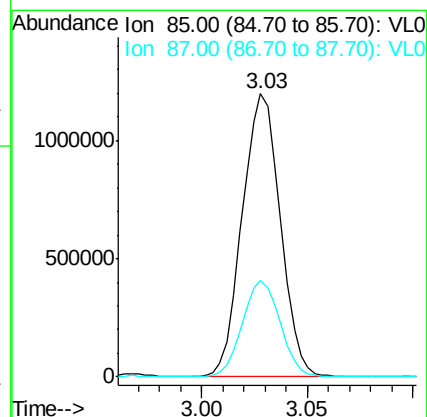
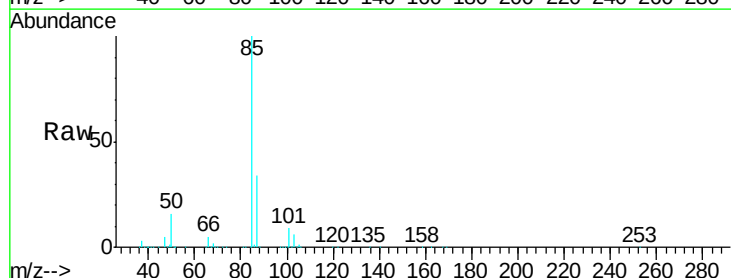
Acq: 9 Oct 2019 13:02

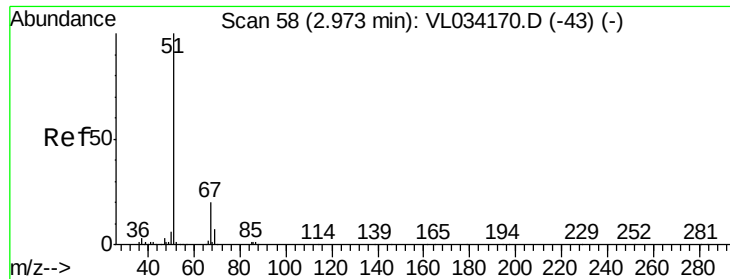
Tgt Ion: 85 Resp: 1503705

Ion Ratio Lower Upper

85 100

87 33.9 27.2 40.8





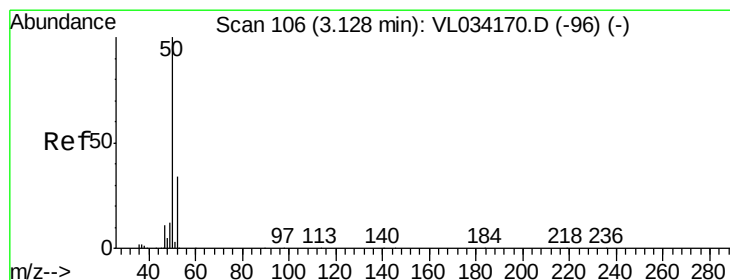
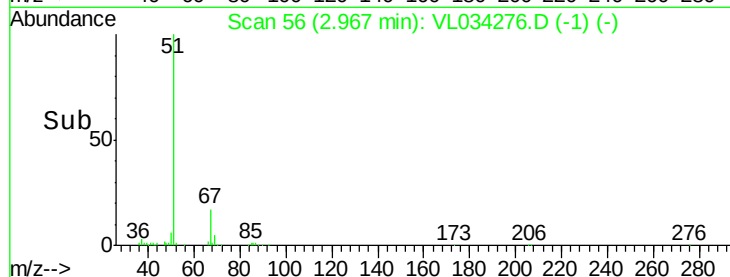
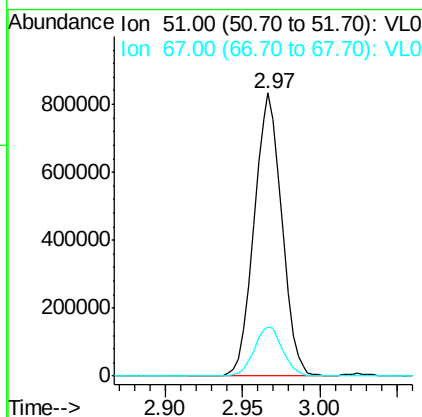
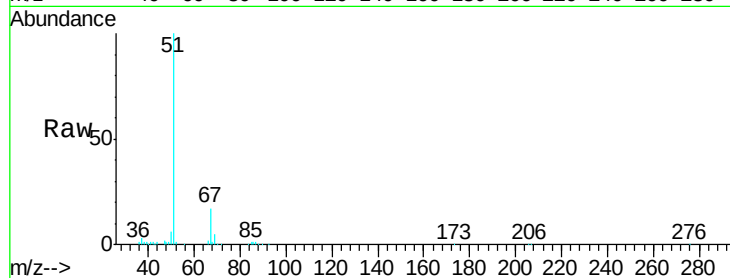
#3
Chlorodifluoromethane
Concen: 9.309 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1043001
Ion Ratio Lower Upper
51 100
67 17.8 14.8 22.2

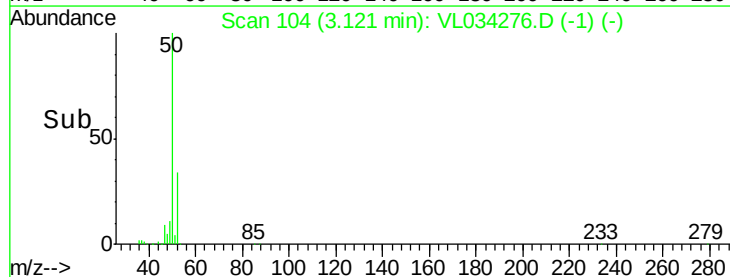
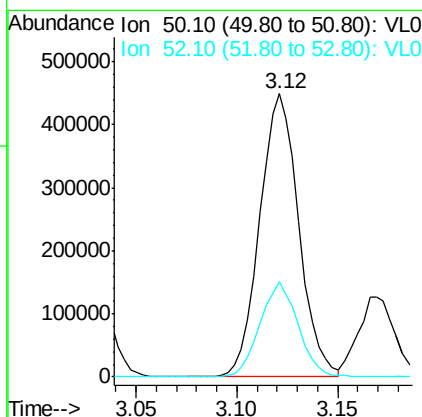
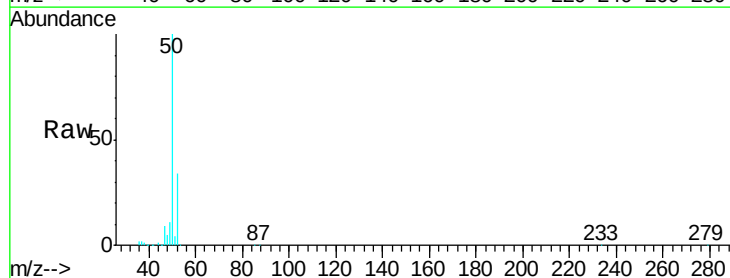
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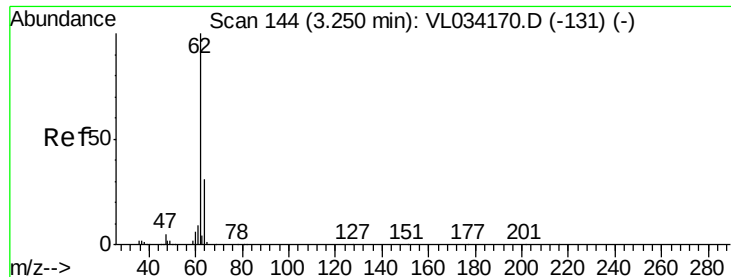
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#4
Chloromethane
Concen: 9.167 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 50 Resp: 603565
Ion Ratio Lower Upper
50 100
52 33.6 27.1 40.7





#5

Vinyl Chloride

Concen: 9.171 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 551787

Ion Ratio Lower Upper

62 100

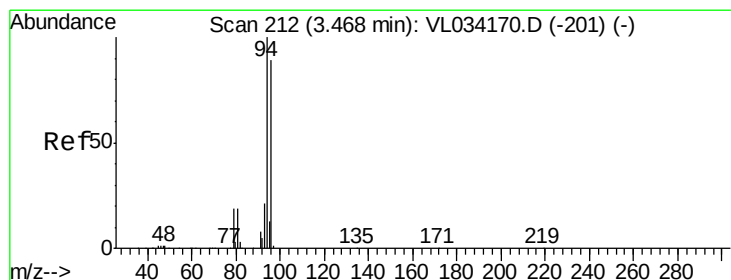
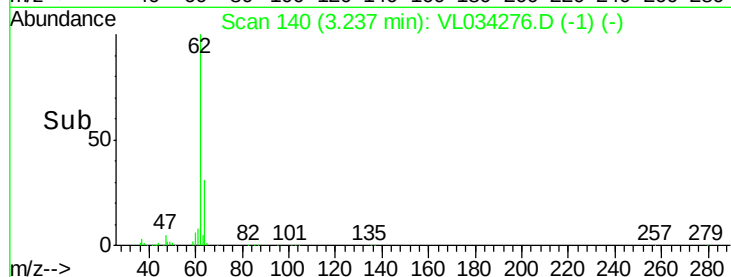
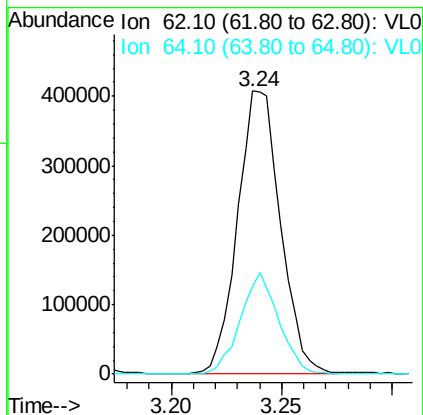
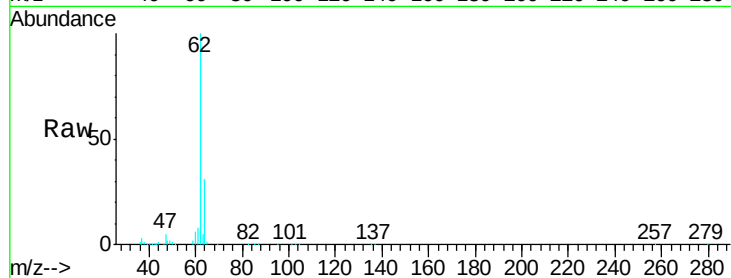
64 31.0 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 10.578 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL034276.D

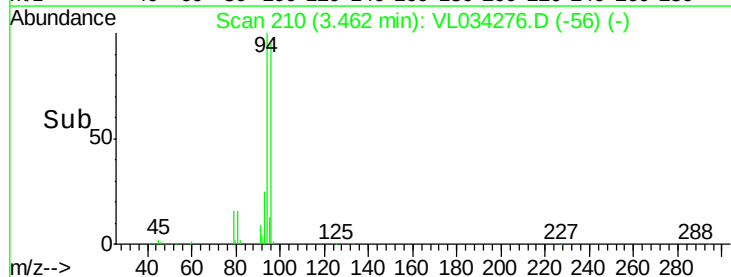
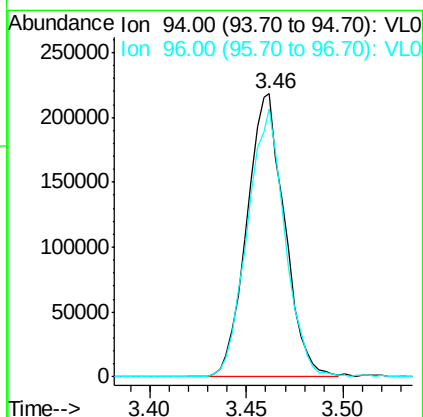
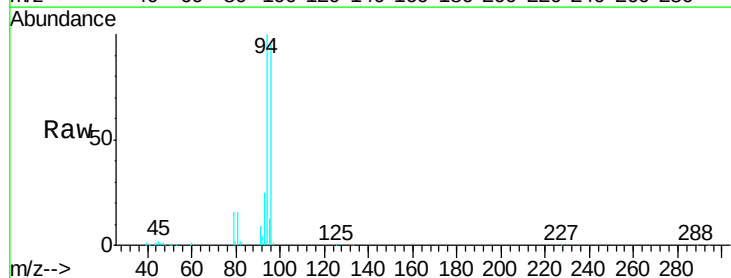
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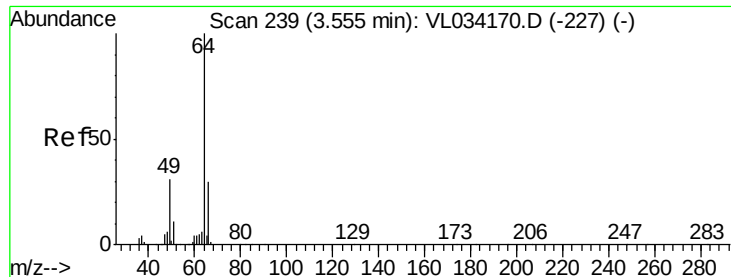
Tgt Ion: 94 Resp: 296949

Ion Ratio Lower Upper

94 100

96 94.5 71.3 106.9





#7

Chloroethane

Concen: 9.484 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 199450

Ion Ratio Lower Upper

64 100

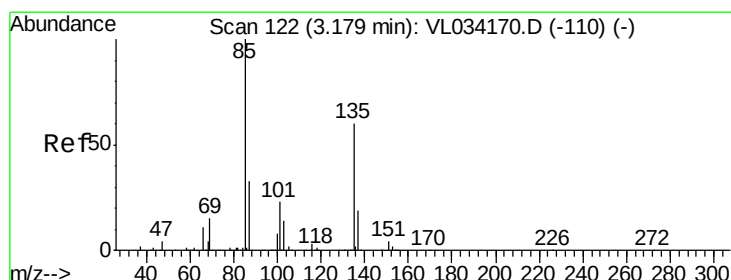
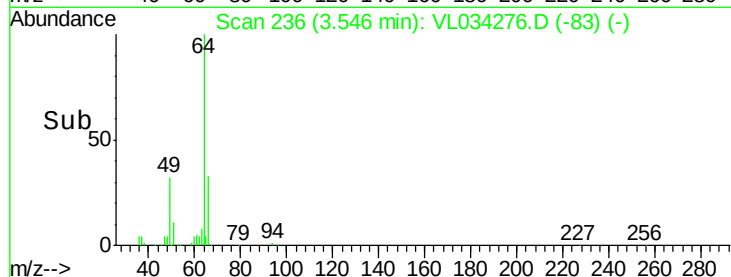
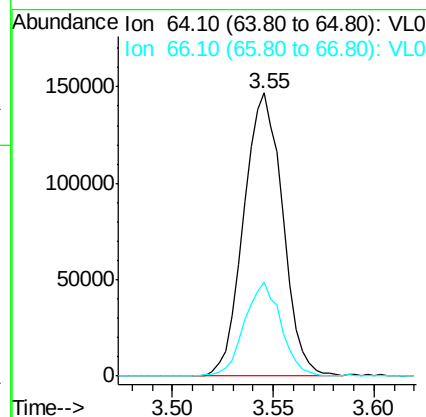
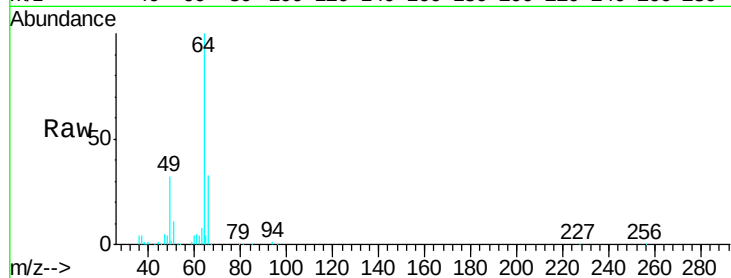
66 33.1 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.486 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034276.D

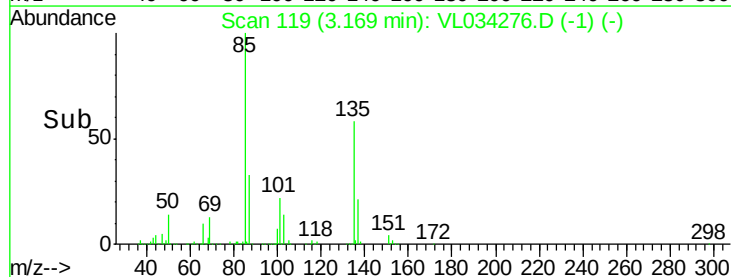
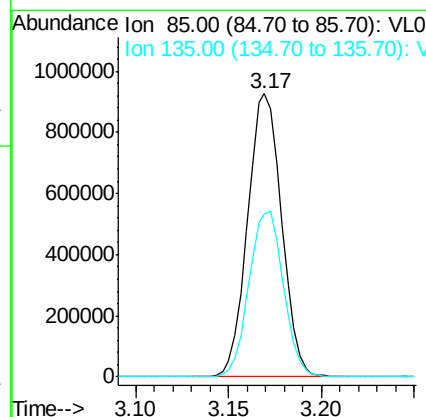
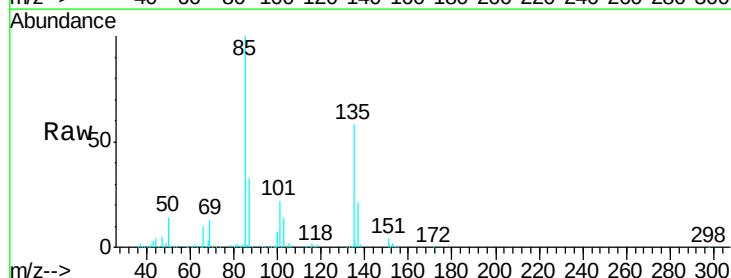
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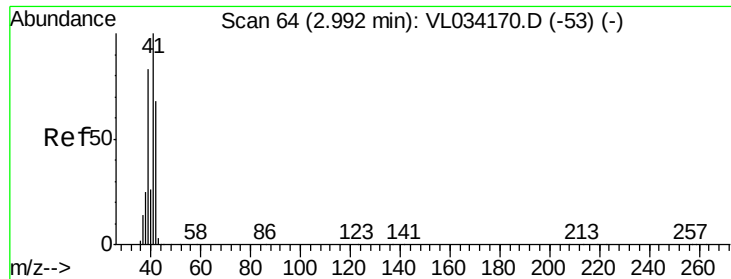
Tgt Ion: 85 Resp: 1181677

Ion Ratio Lower Upper

85 100

135 59.4 47.3 70.9





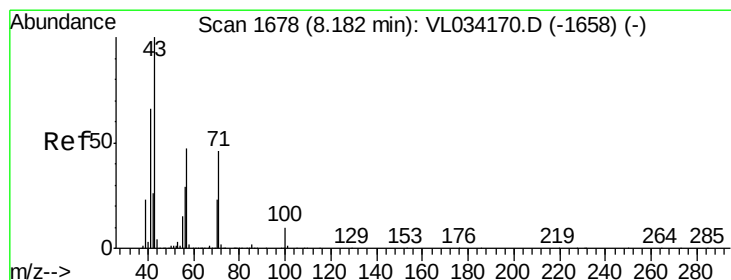
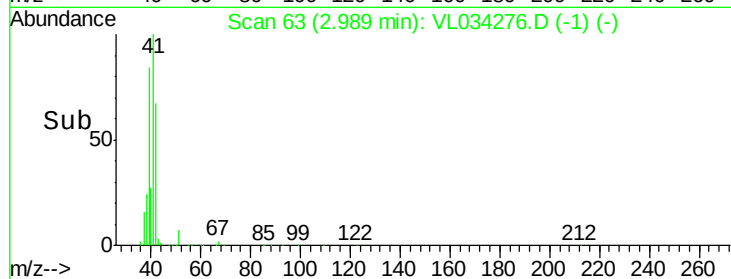
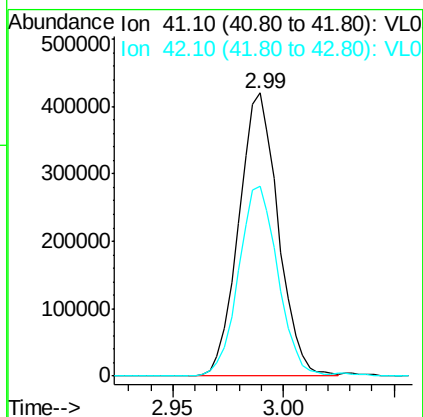
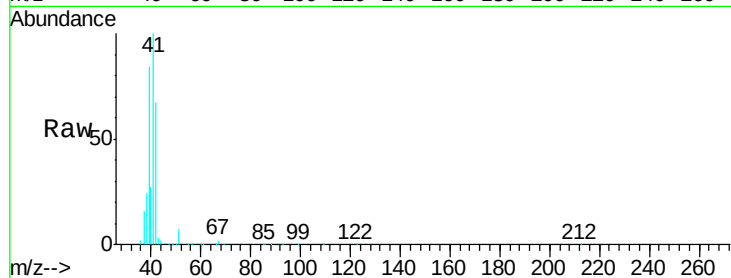
#9
 Propene
 Concen: 9.462 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. -0.00 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 523020
 Ion Ratio Lower Upper
 41 100
 42 67.4 55.8 83.6

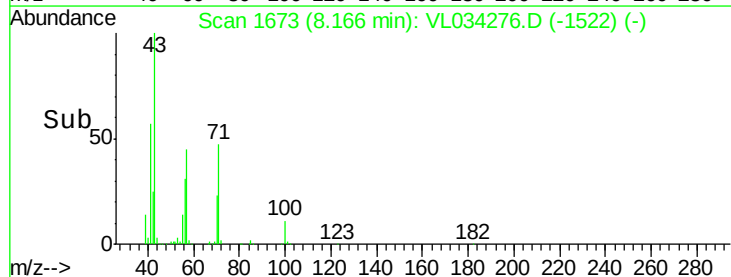
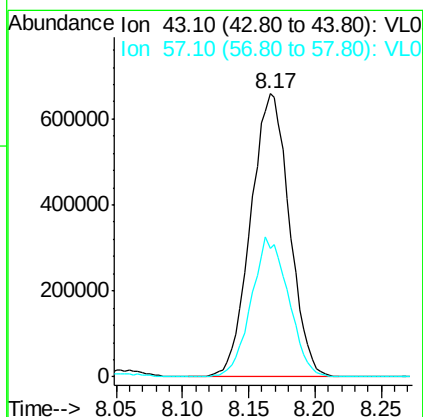
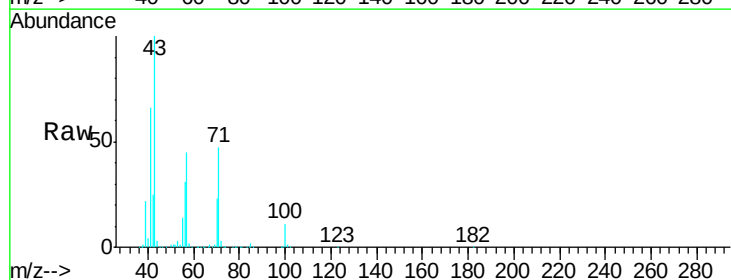
Manual Integrations
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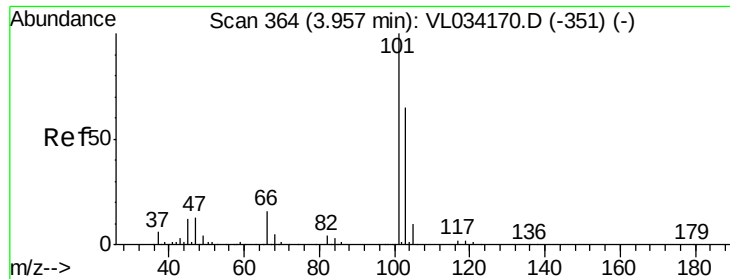
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#10
 Heptane
 Concen: 9.250 ppbv
 RT: 8.17 min Scan# 1673
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 43 Resp: 1332631
 Ion Ratio Lower Upper
 43 100
 57 47.5 37.5 56.3





#11

Trichlorofluoromethane

Concen: 9.545 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 1226318

Ion Ratio Lower Upper

101 100

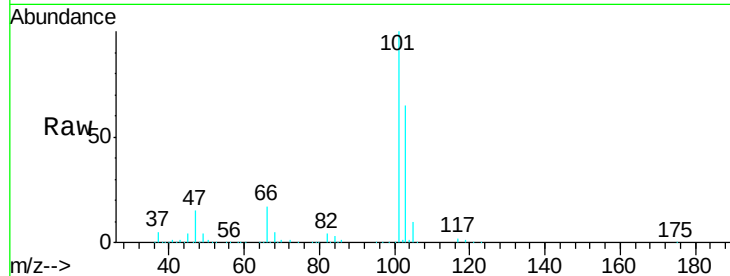
103 65.2 52.1 78.1

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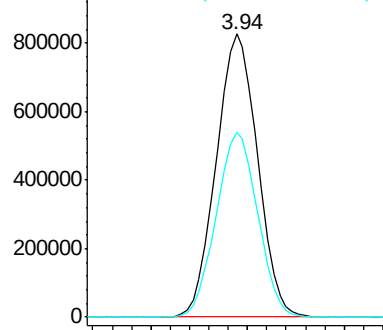
MMDadoda

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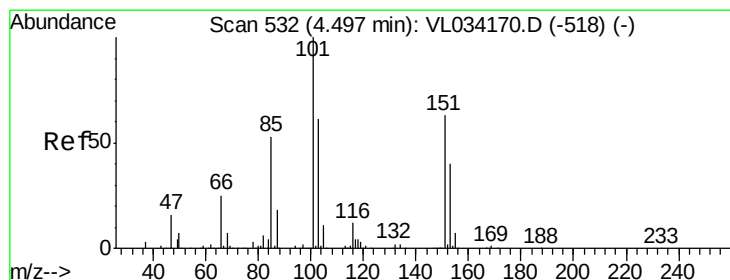
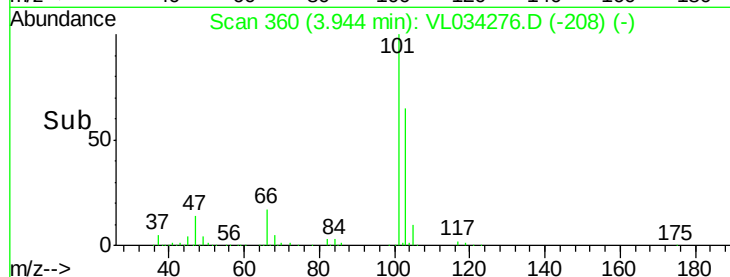


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.084 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034276.D

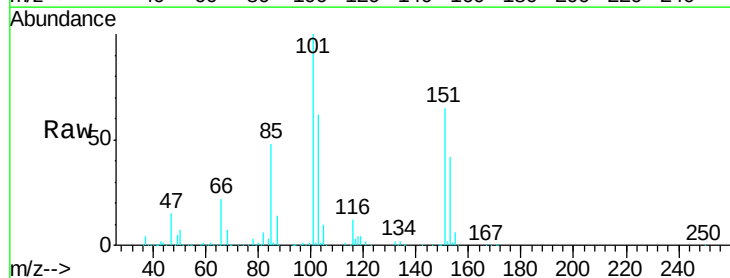
Acq: 9 Oct 2019 13:02

Tgt Ion:101 Resp: 847835

Ion Ratio Lower Upper

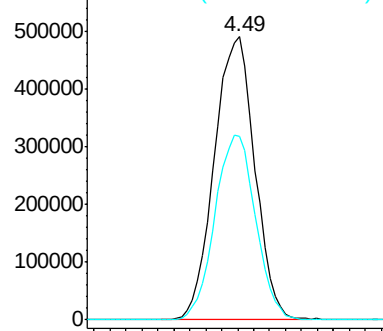
101 100

151 65.6 51.8 77.8

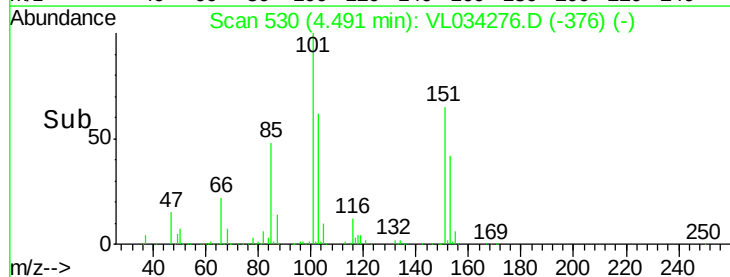


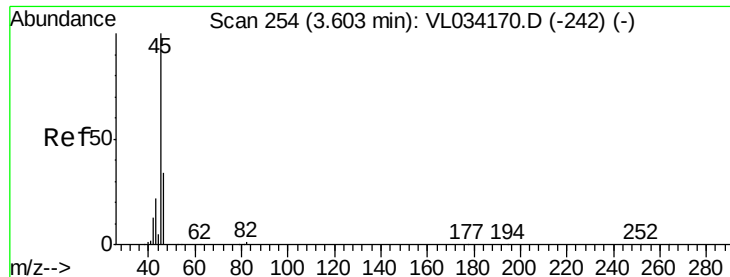
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



Time-->





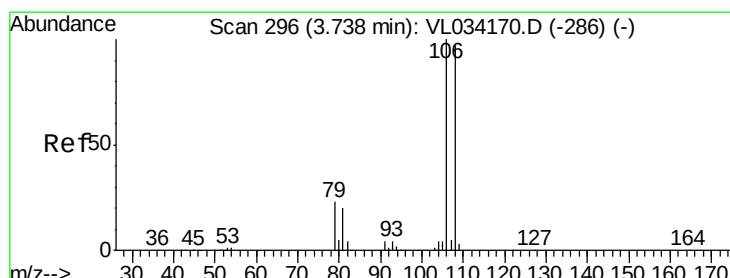
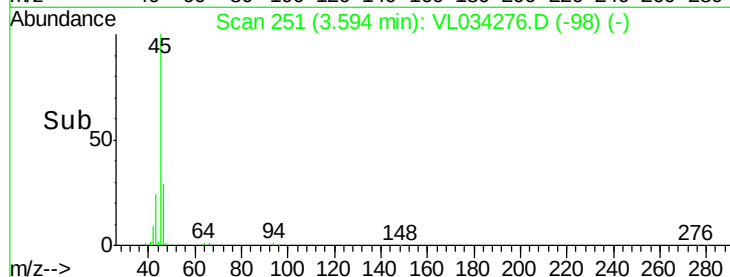
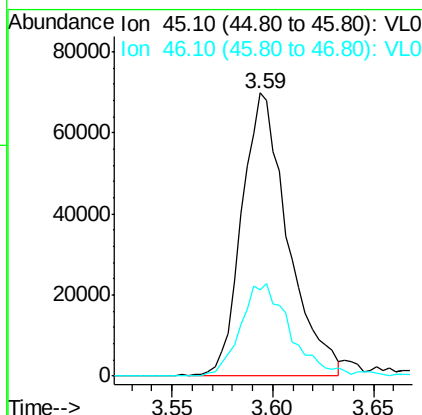
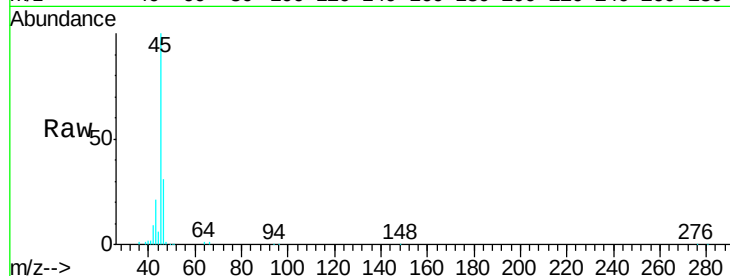
#13
Ethanol
Concen: 8.344 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 111692
Ion Ratio Lower Upper
45 100
46 35.9 15.5 61.9

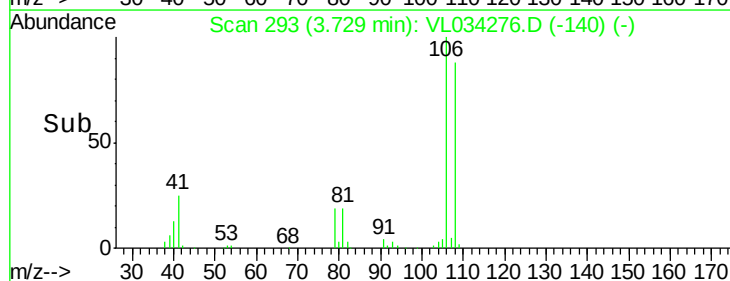
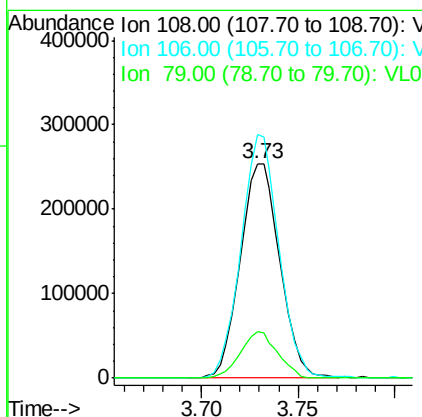
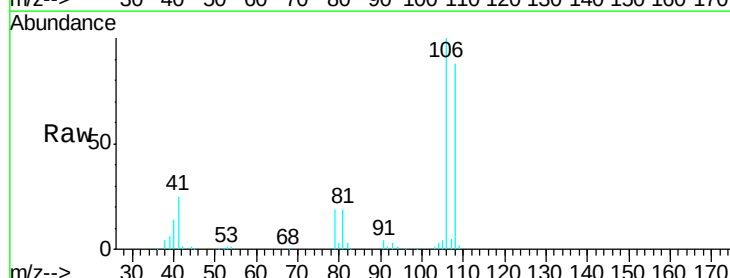
Manual Integrations
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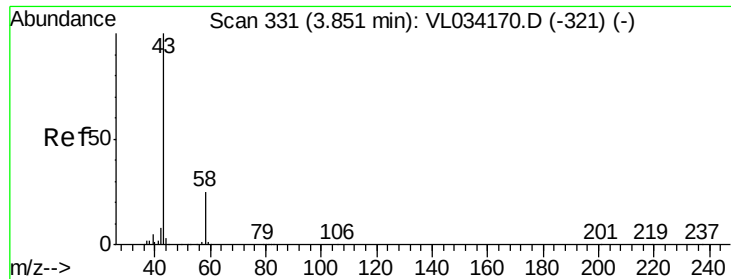
MMDadoda
10/11/2019 5:08:52 PM



#14
Bromoethene
Concen: 10.506 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 108 Resp: 361165
Ion Ratio Lower Upper
108 100
106 109.5 86.2 129.4
79 20.6 18.6 27.8





#15

Acetone

Concen: 10.298 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1318894

Ion Ratio Lower Upper

43 100

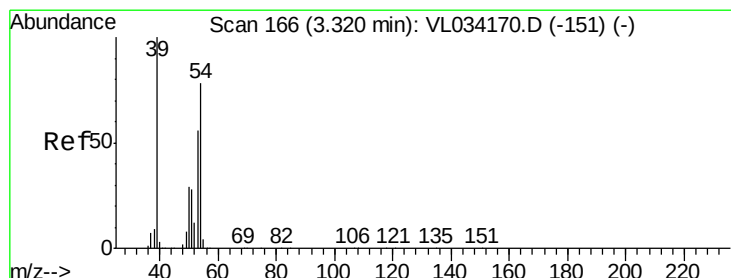
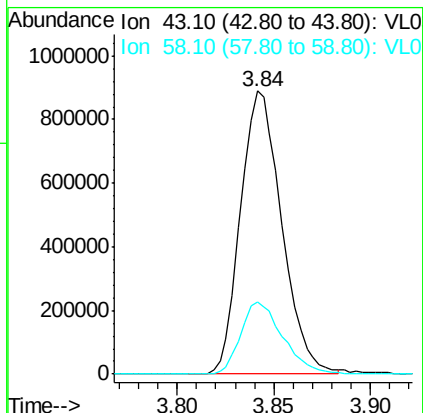
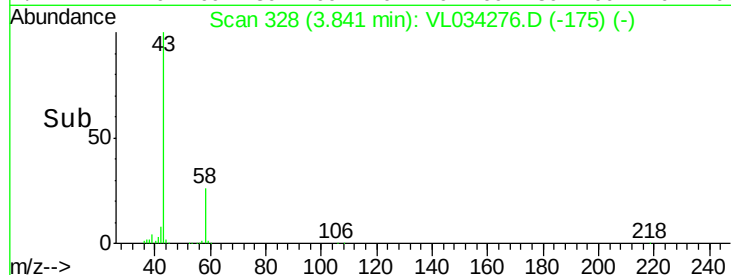
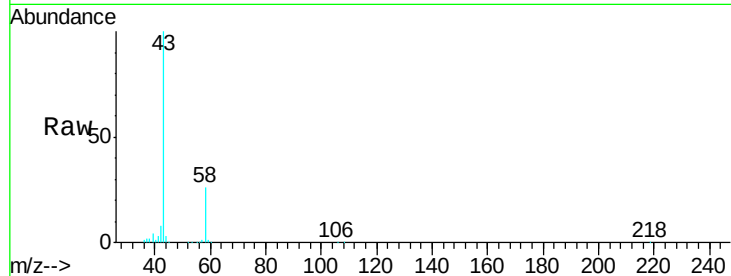
58 26.3 20.5 30.7

Manual Integrations

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MMDadoda

10/11/2019 5:08:52 PM



#16

1,3-Butadiene

Concen: 9.588 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL034276.D

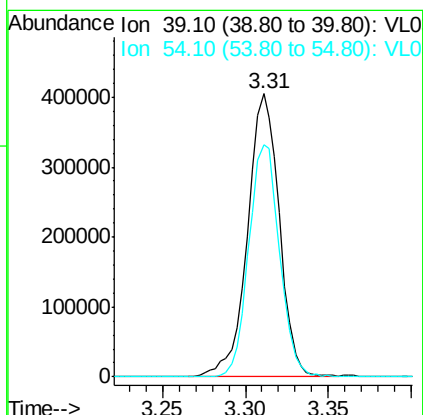
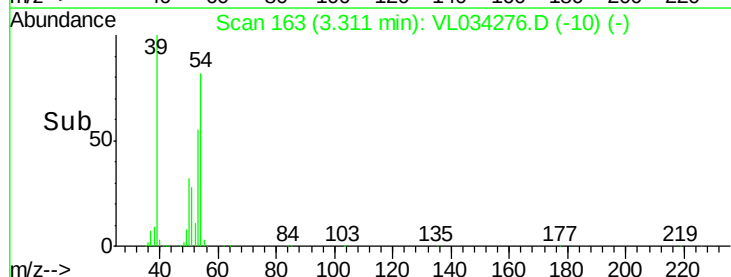
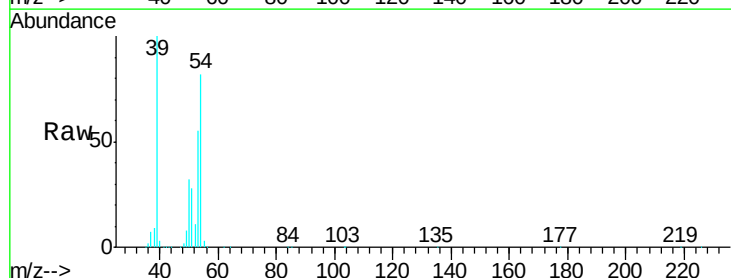
Acq: 9 Oct 2019 13:02

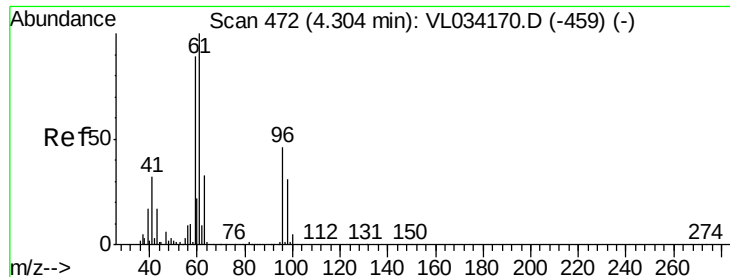
Tgt Ion: 39 Resp: 535875

Ion Ratio Lower Upper

39 100

54 80.2 63.4 95.0





#17

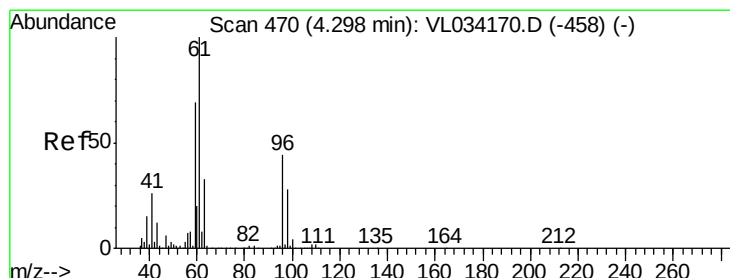
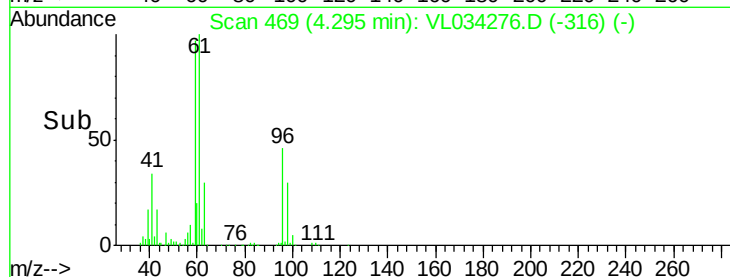
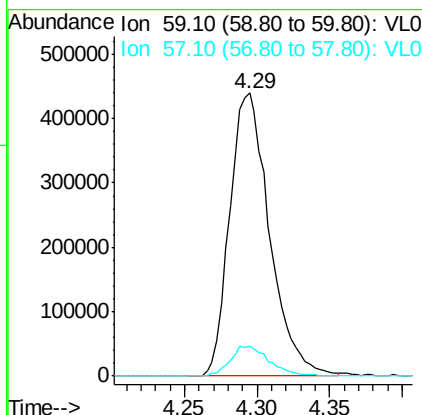
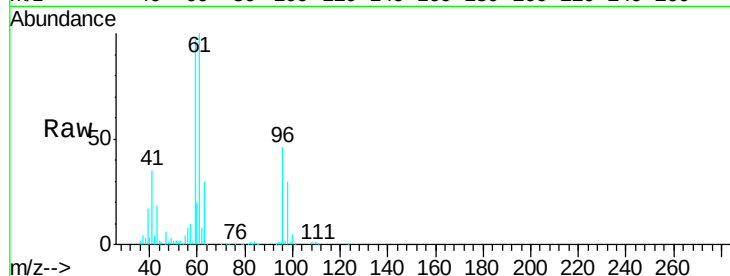
tert-Butyl alcohol
Concen: 10.342 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 839182
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

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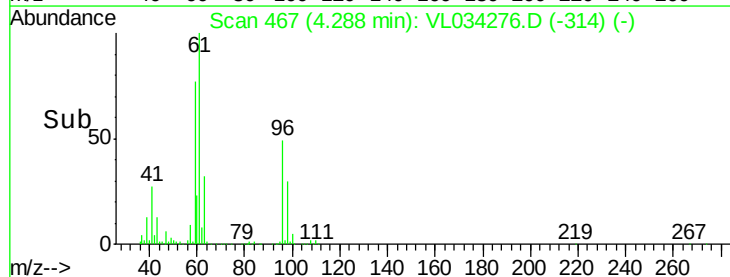
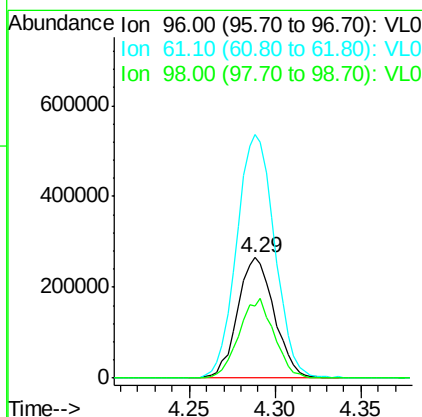
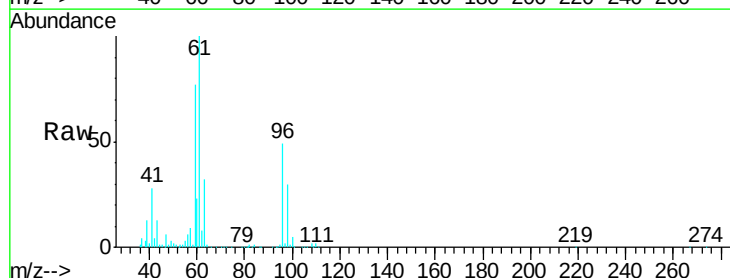
MMDadoda
10/11/2019 5:08:52 PM

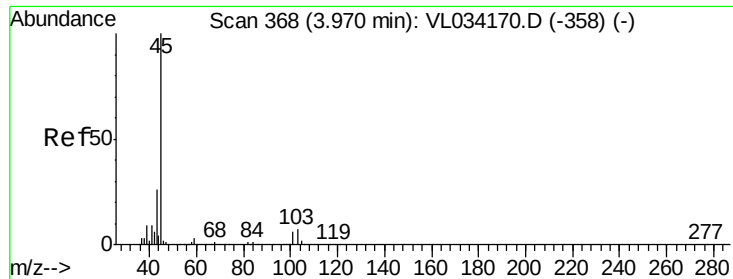


#18

1,1-Dichloroethene
Concen: 10.727 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 96 Resp: 393377
Ion Ratio Lower Upper
96 100
61 202.5 183.3 274.9
98 59.8 51.4 77.2





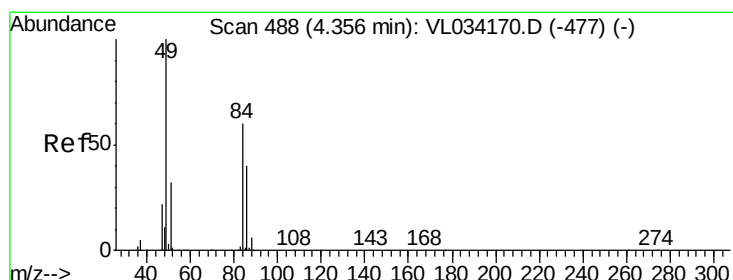
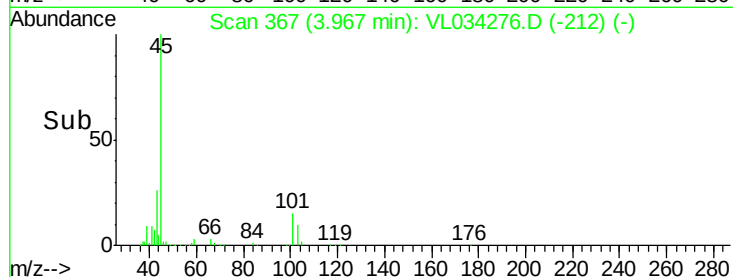
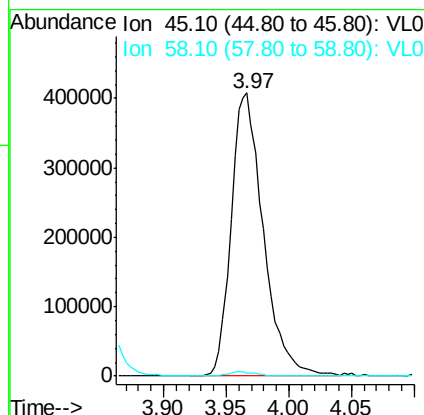
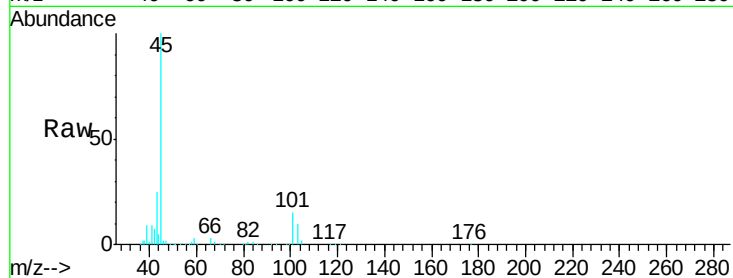
#19
Isopropyl Alcohol
Concen: 9.222 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 726265
Ion Ratio Lower Upper
45 100
58 1.7 1.4 2.0

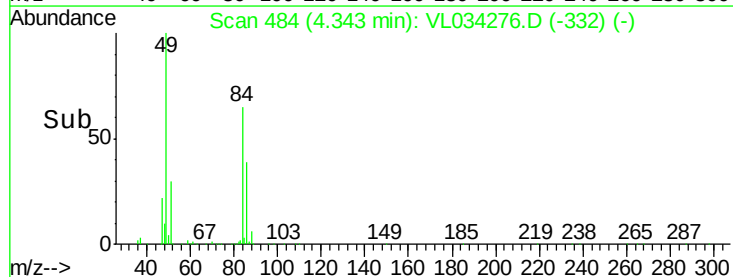
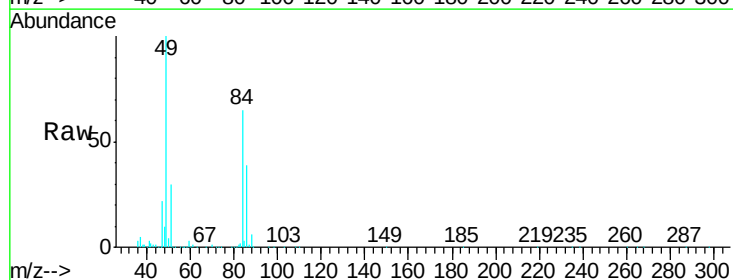
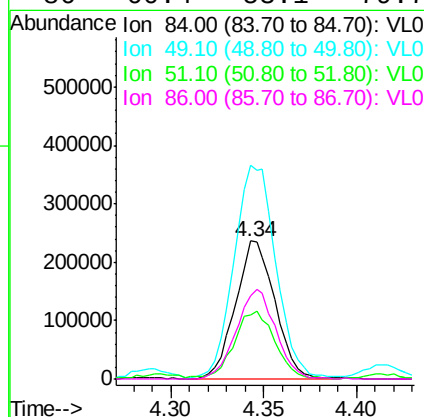
Manual Integrations
APPROVED

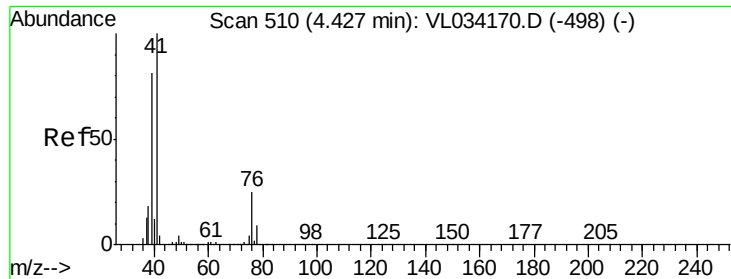
MMDadoda
10/11/2019 5:08:52 PM



#20
Methylene Chloride
Concen: 9.412 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 84 Resp: 347549
Ion Ratio Lower Upper
84 100
49 154.1 133.8 200.8
51 46.2 43.6 65.4
86 60.4 53.1 79.7





#21

Allyl Chloride

Concen: 10.202 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

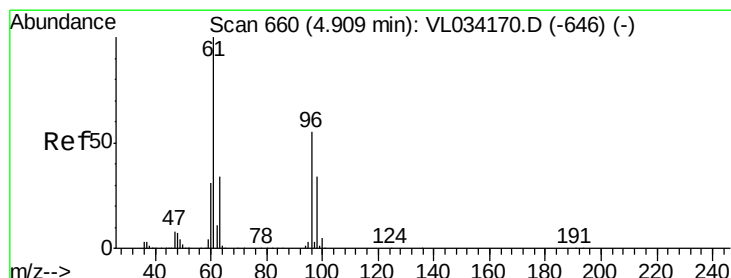
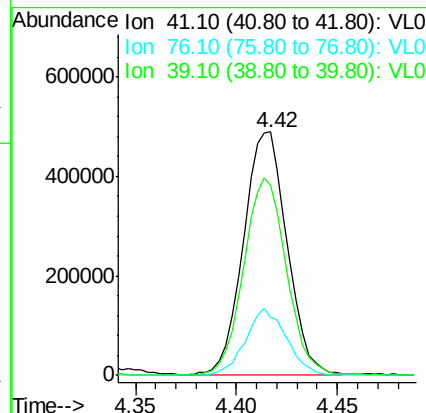
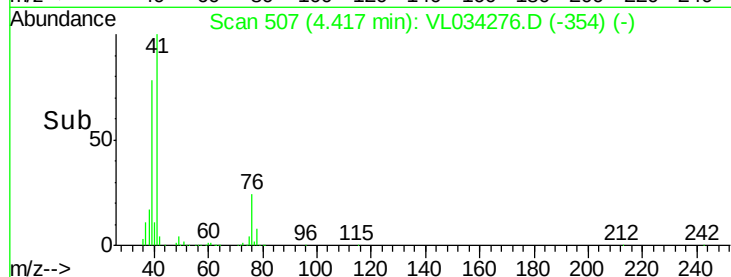
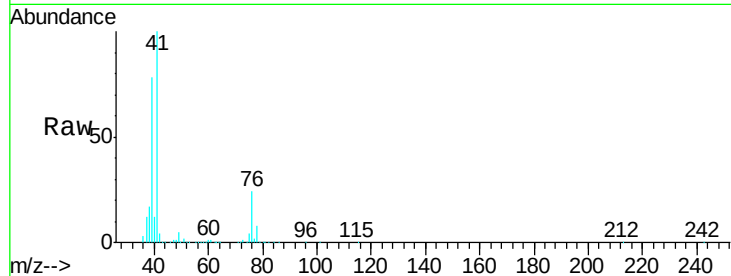
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	737987
Ion	Ratio	Lower	Upper
41	100		
76	26.1	21.8	32.6
39	80.2	64.8	97.2

Manual Integrations
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MMDadoda
10/11/2019 5:08:52 PM



#22

trans-1,2-Dichloroethene

Concen: 10.908 ppbv

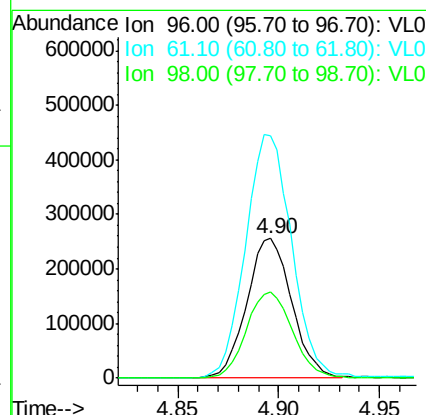
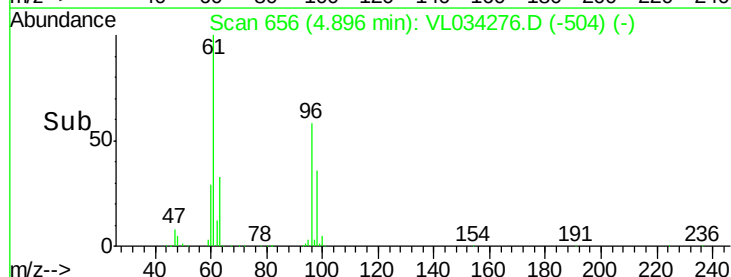
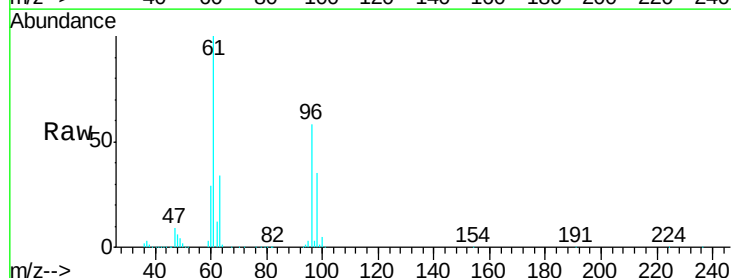
RT: 4.90 min Scan# 656

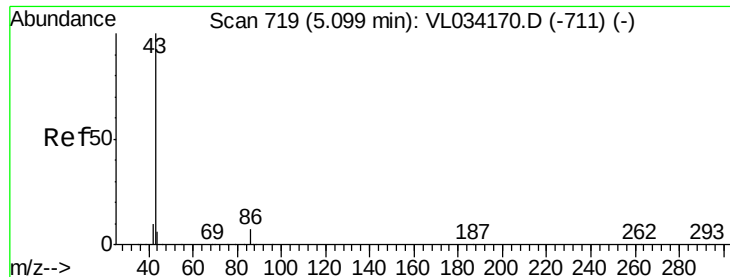
Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion:	96	Resp:	400219
Ion	Ratio	Lower	Upper
96	100		
61	173.5	145.5	218.3
98	61.4	49.9	74.9





#23

Vinyl Acetate

Concen: 10.341 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1951512

Ion Ratio Lower Upper

43 100

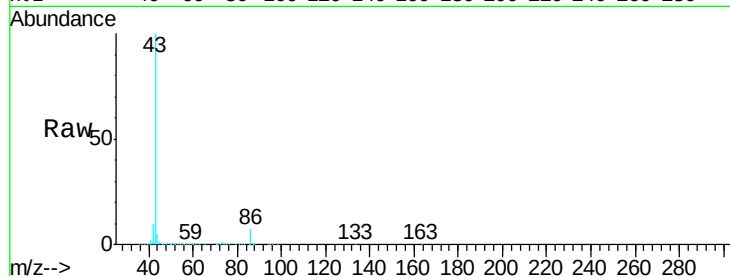
86 6.8 5.1 7.7

42 9.7 8.6 12.8

44 5.0 4.7 7.1

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:08:52 PM

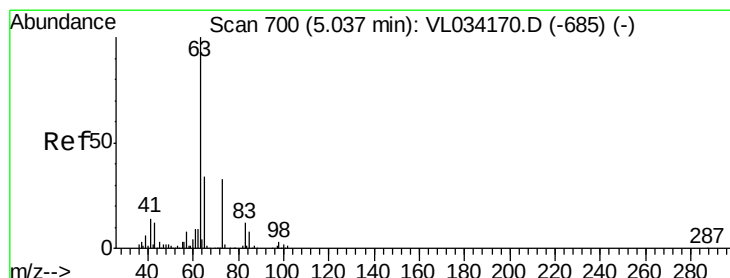
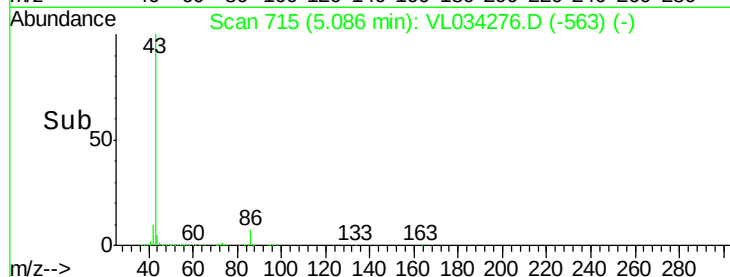
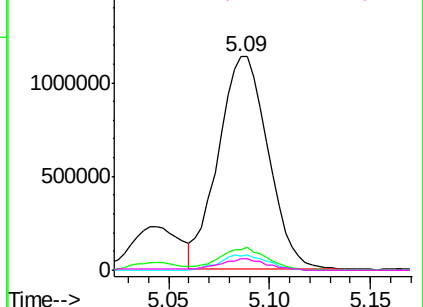


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.018 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

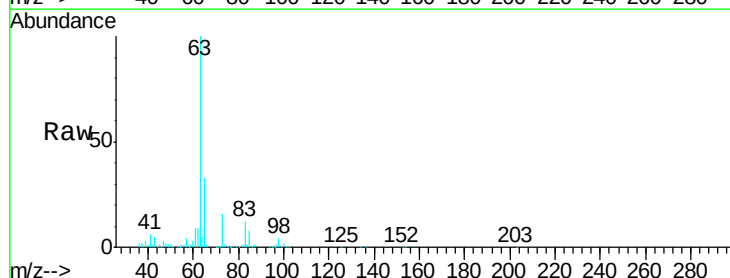
Tgt Ion: 63 Resp: 1145956

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.3

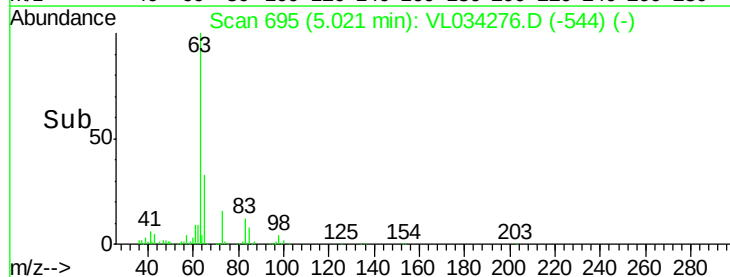
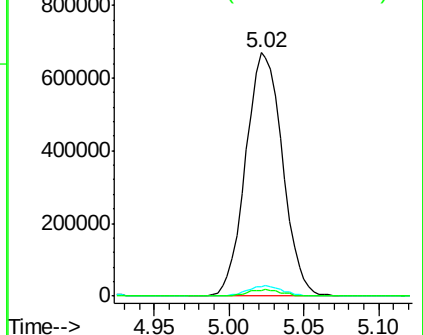
100 2.1 1.0 3.0

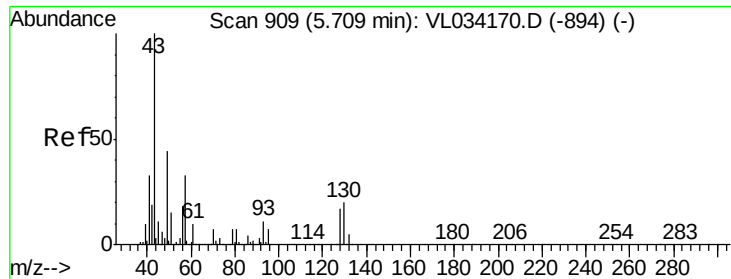


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.853 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2143998

Ion Ratio Lower Upper

43 100

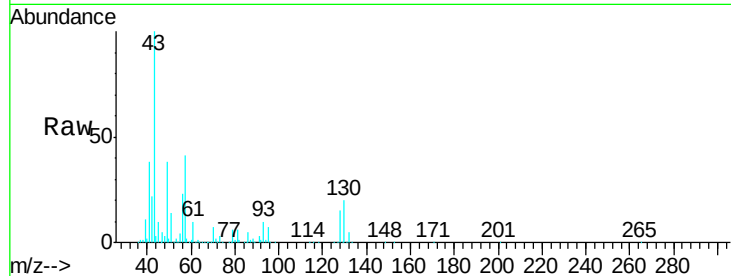
45 9.9 8.4 12.6

61 9.0 7.2 10.8

70 6.8 5.3 7.9

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10/11/2019 5:08:52 PM



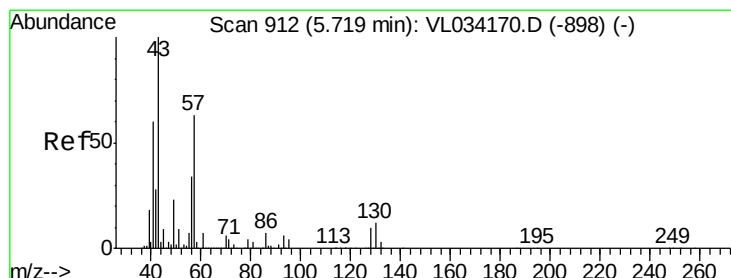
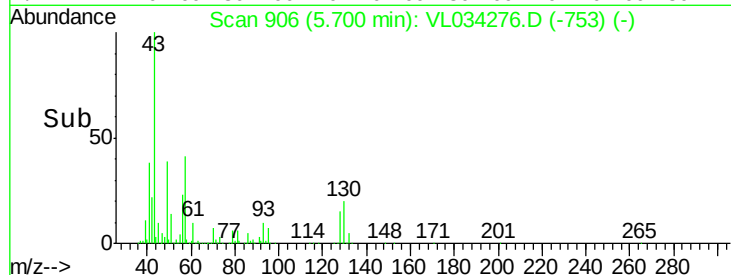
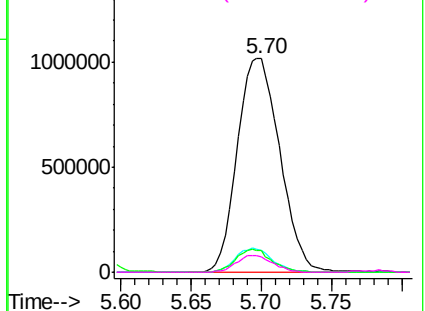
Abundance

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: 9.151 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 57 Resp: 921870

Ion Ratio Lower Upper

57 100

41 92.6 78.5 117.7

43 234.0 189.5 284.3

56 53.3 43.2 64.8

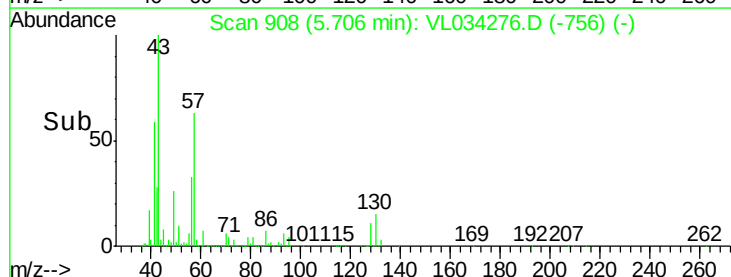
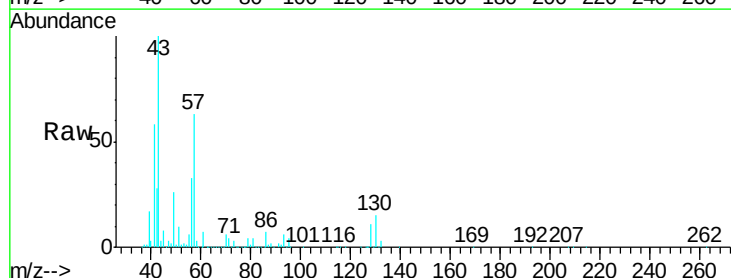
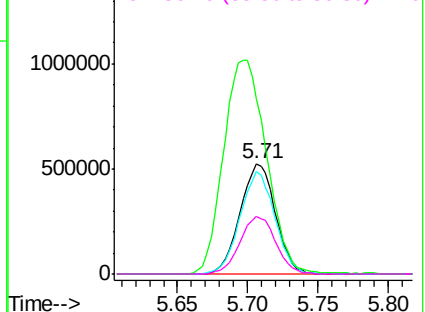
Abundance

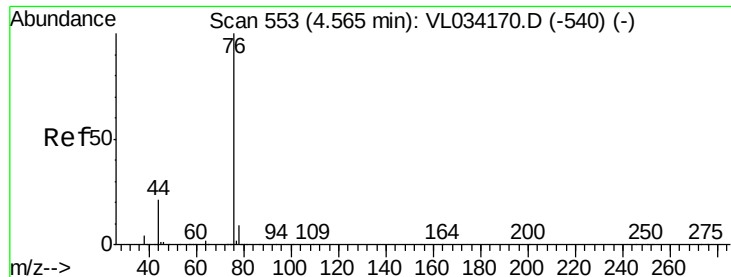
Ion 57.10 (56.80 to 57.80): VL0

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: 10.604 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

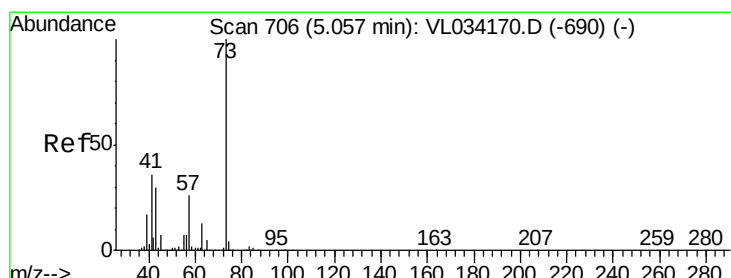
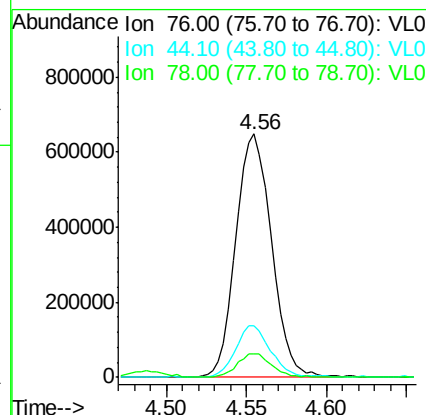
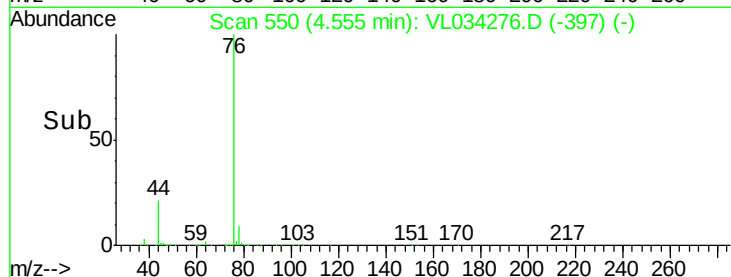
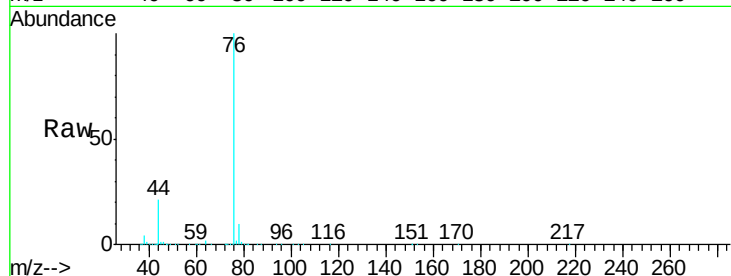
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	76	Resp:	985258
Ion	Ratio	Lower	Upper
76	100		
44	21.2	17.6	26.4
78	9.4	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.087 ppbv

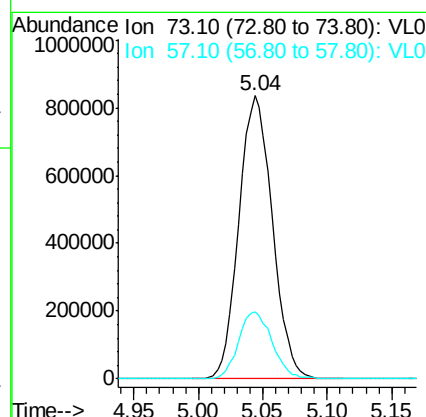
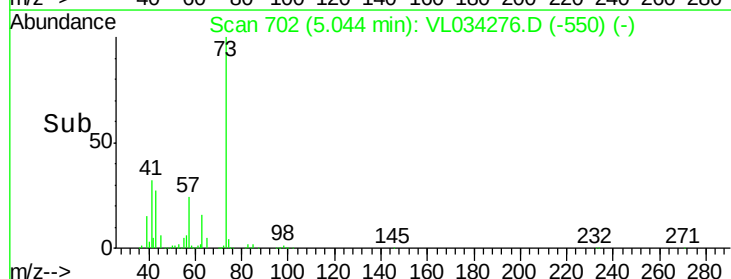
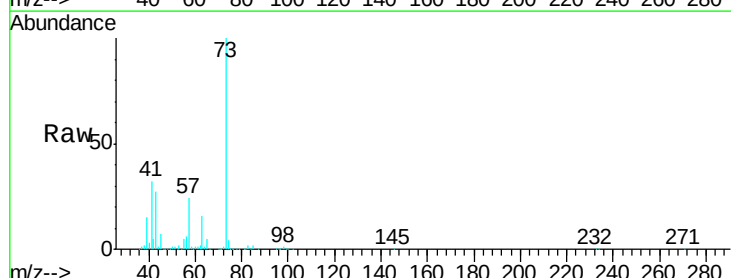
RT: 5.04 min Scan# 702

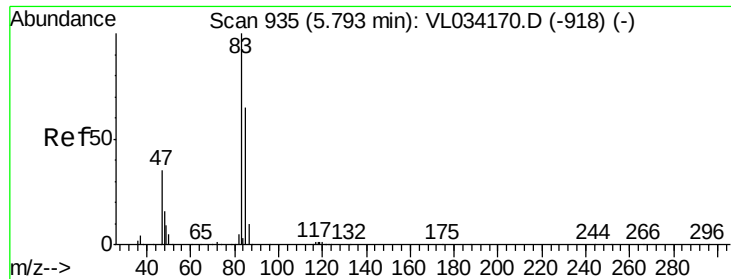
Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion:	73	Resp:	1509193
Ion	Ratio	Lower	Upper
73	100		
57	23.9	20.2	30.2





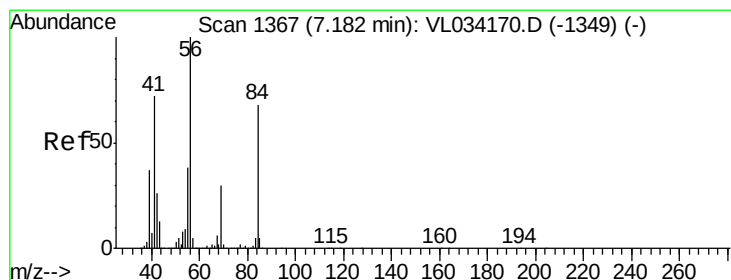
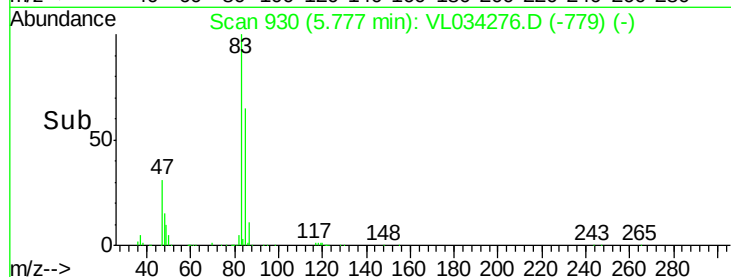
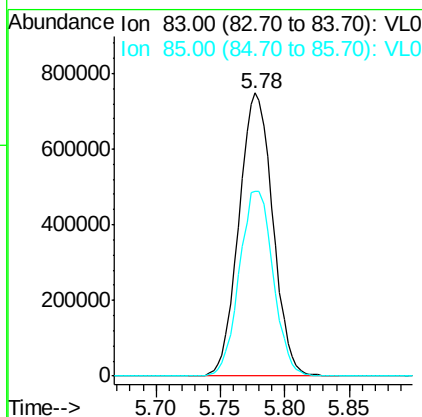
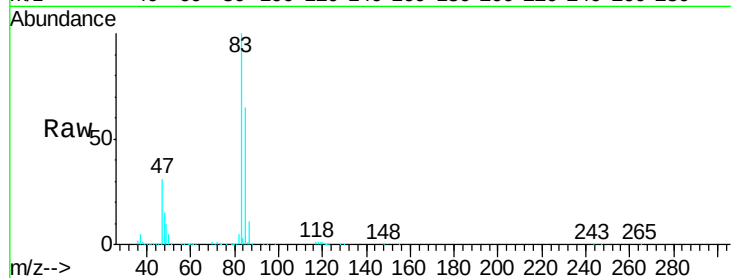
#29
Chloroform
Concen: 9.497 ppbv
RT: 5.78 min Scan# 930
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1367142
Ion Ratio Lower Upper
83 100
85 65.0 52.3 78.5

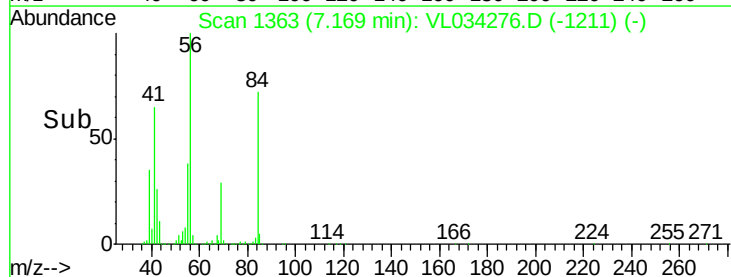
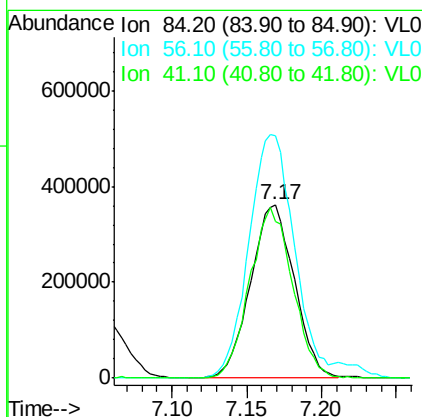
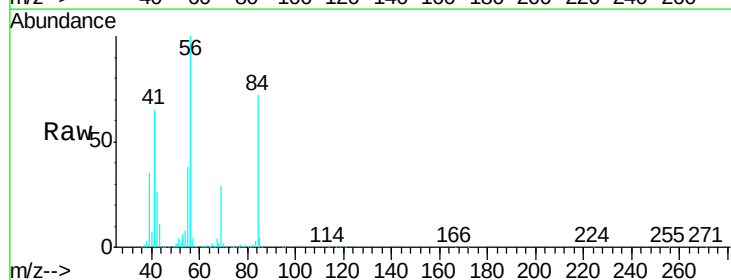
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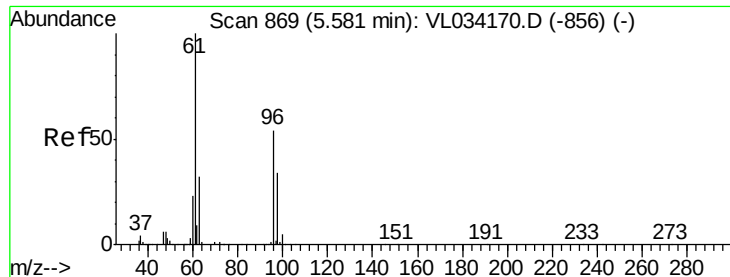
MMDadoda
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#30
Cyclohexane
Concen: 10.105 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 84 Resp: 734932
Ion Ratio Lower Upper
84 100
56 151.9 126.2 189.2
41 96.9 85.8 128.8





#31

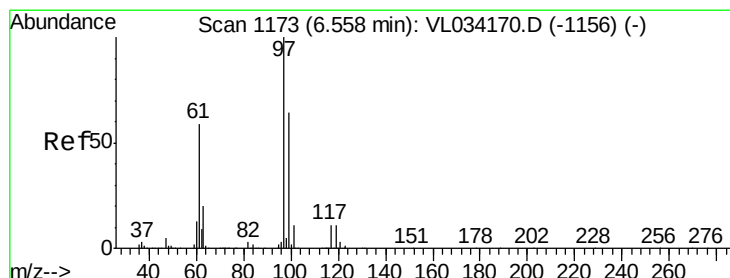
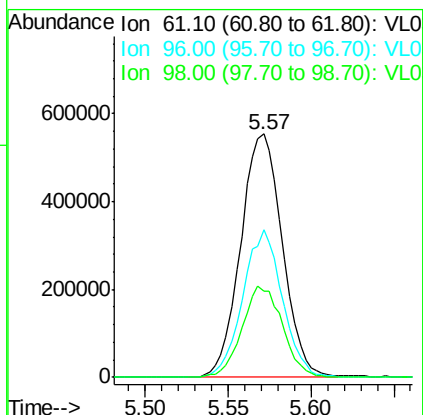
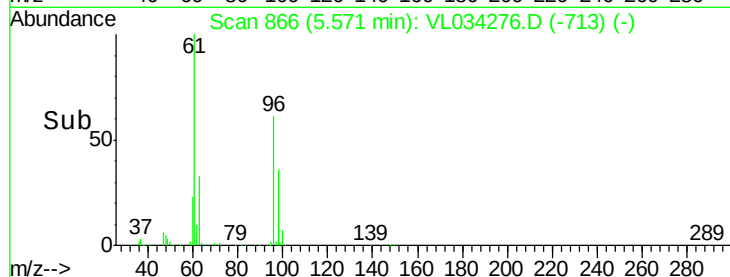
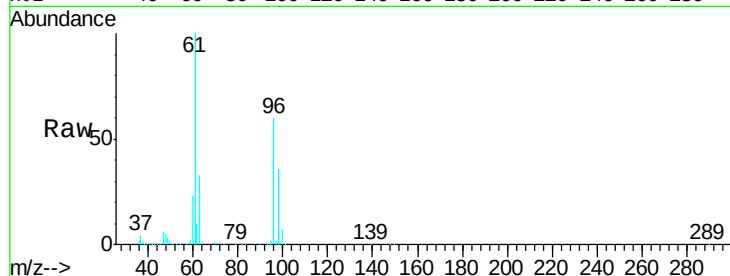
cis-1,2-Dichloroethene
 Concen: 9.443 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.4	43.0	64.4
98	35.6	27.2	40.8

Manual Integrations
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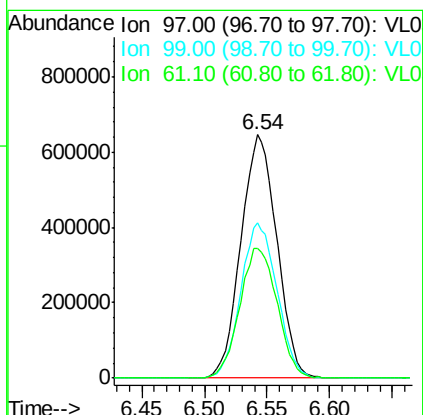
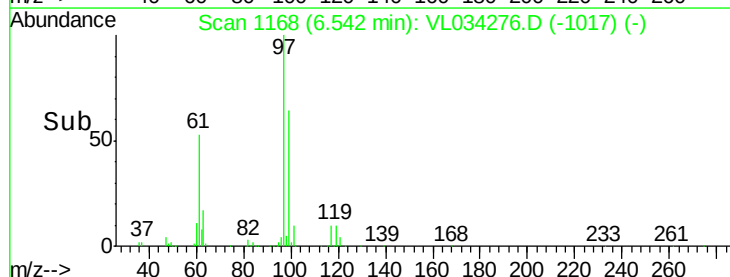
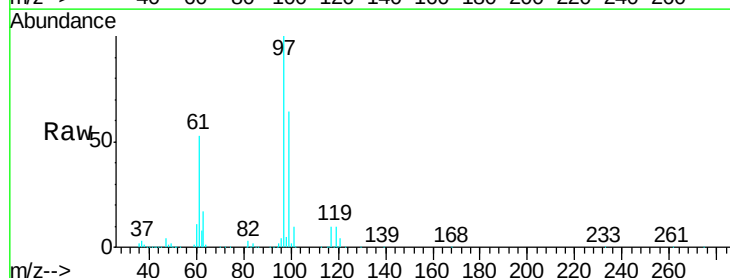
MMDadoda
 10/11/2019 5:08:52 PM

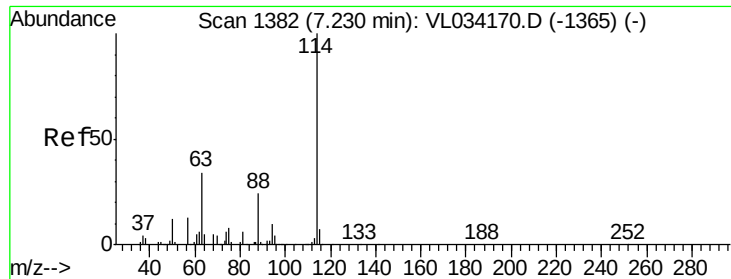


#32

1,1,1-Trichloroethane
 Concen: 9.292 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	55.8	48.4	72.6





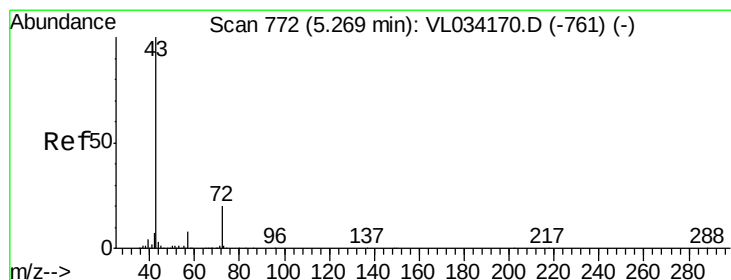
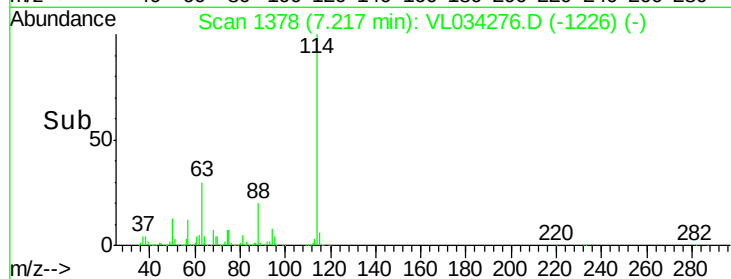
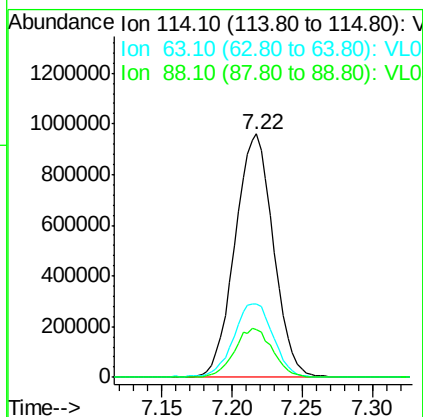
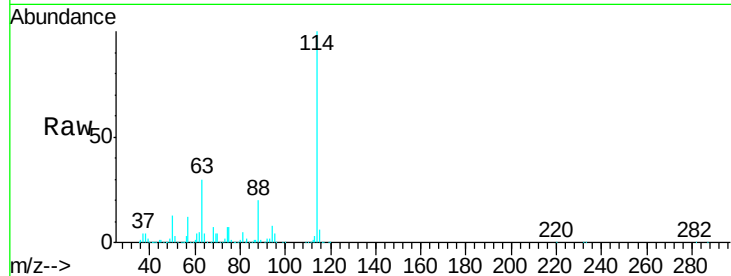
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 1830757
 Ion Ratio Lower Upper
 114 100
 63 31.6 27.8 41.6
 88 20.1 17.1 25.7

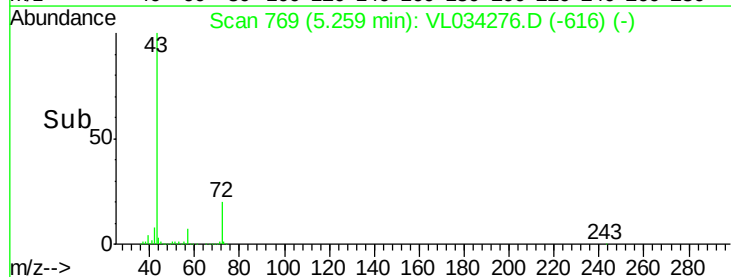
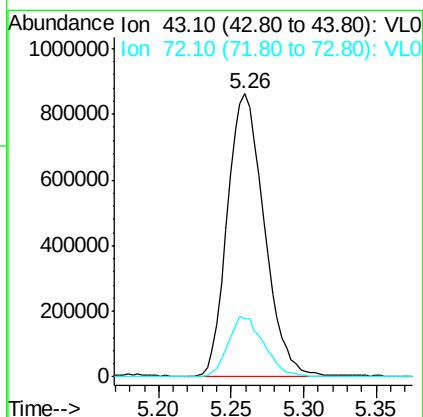
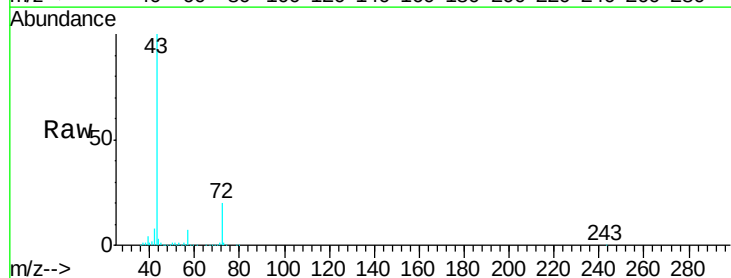
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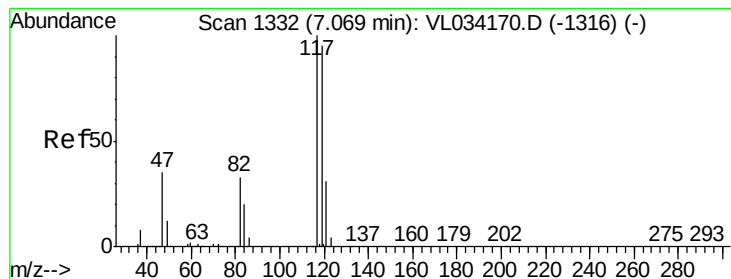
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#34
 2-Butanone
 Concen: 8.115 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 43 Resp: 1517001
 Ion Ratio Lower Upper
 43 100
 72 20.8 15.0 22.6





#35

Carbon Tetrachloride

Concen: 8.178 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1243887

Ion Ratio Lower Upper

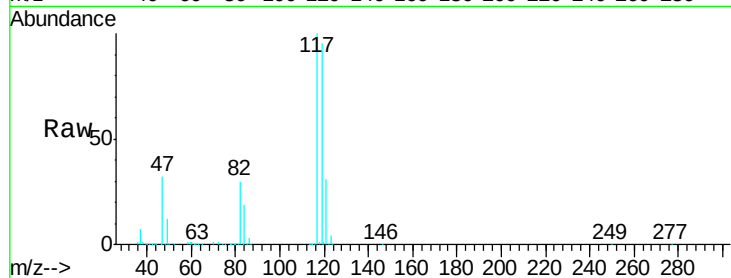
117 100

119 95.0 75.8 113.6

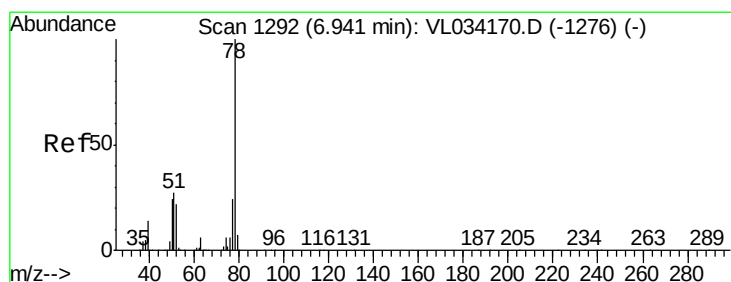
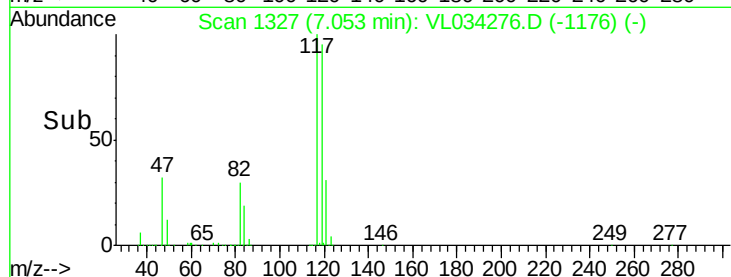
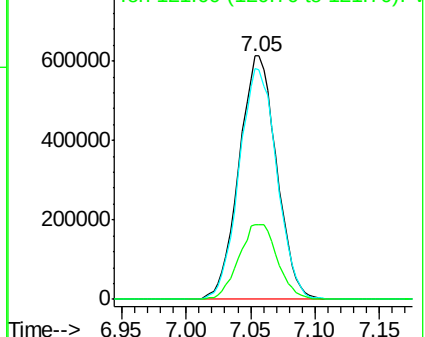
121 30.9 25.0 37.6

Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.946 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

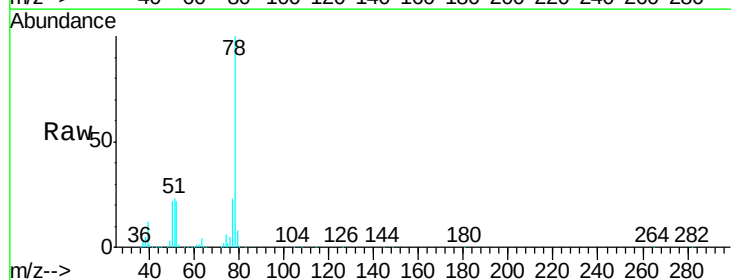
Tgt Ion: 78 Resp: 1808768

Ion Ratio Lower Upper

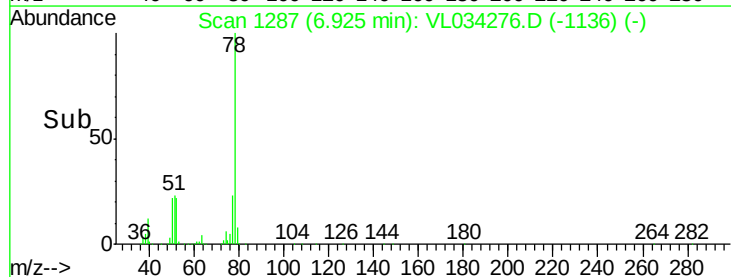
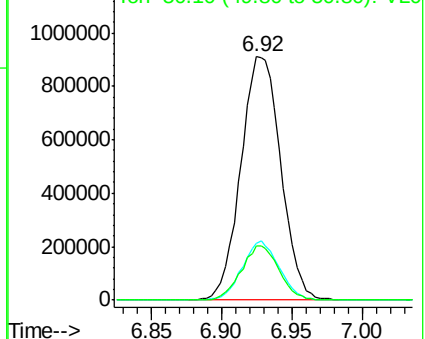
78 100

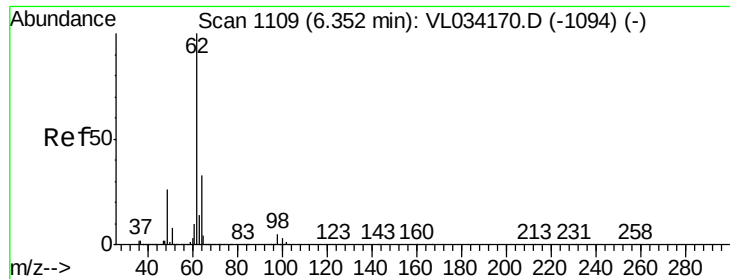
77 23.1 19.0 28.4

50 22.2 18.9 28.3



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





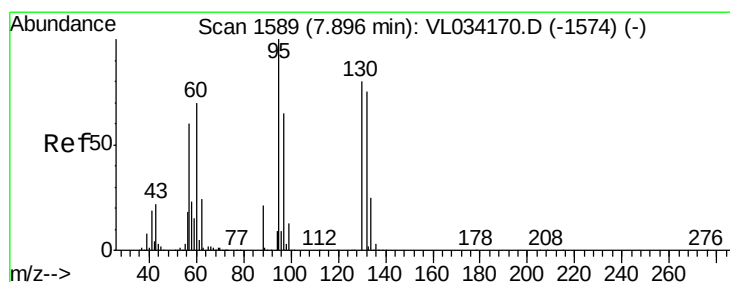
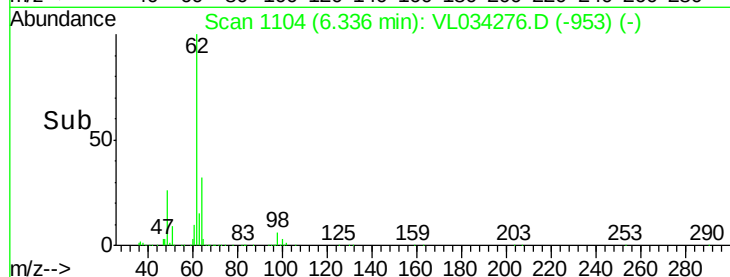
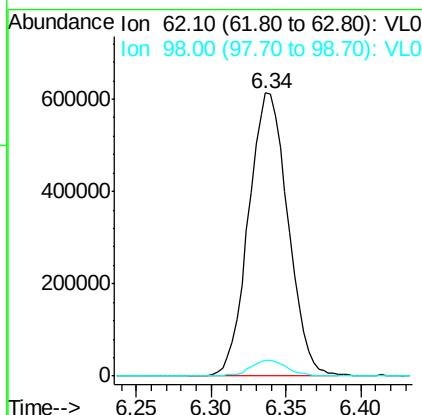
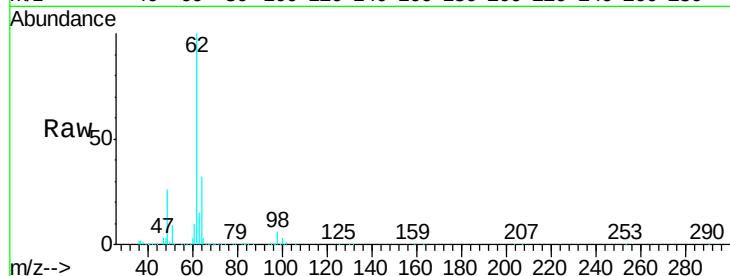
#37
 1,2-Dichloroethane
 Concen: 7.823 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1125038
 Ion Ratio Lower Upper
 62 100
 98 5.3 3.8 5.8

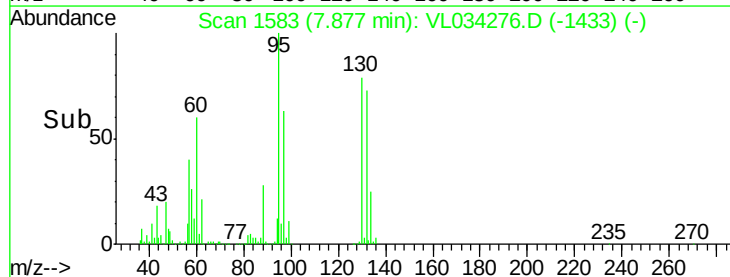
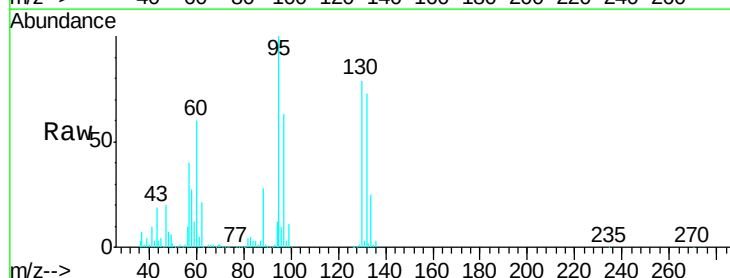
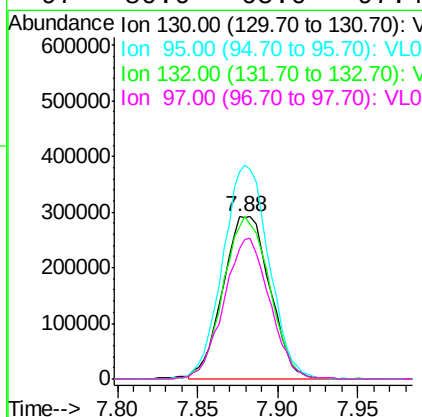
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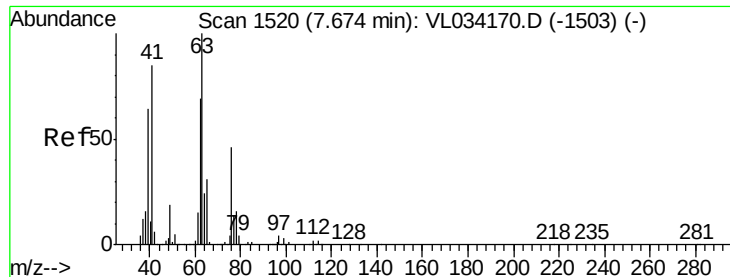
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#38
 Trichloroethene
 Concen: 8.077 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 130 Resp: 583554
 Ion Ratio Lower Upper
 130 100
 95 127.2 99.8 149.6
 132 93.5 75.2 112.8
 97 80.0 65.0 97.4





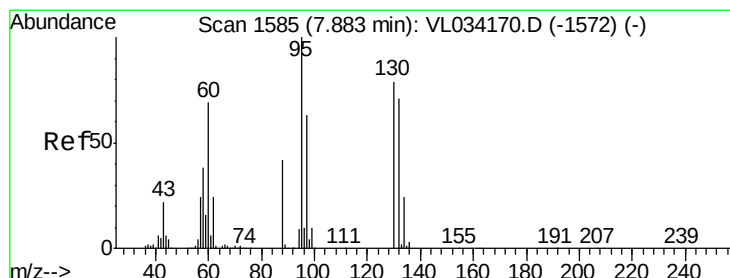
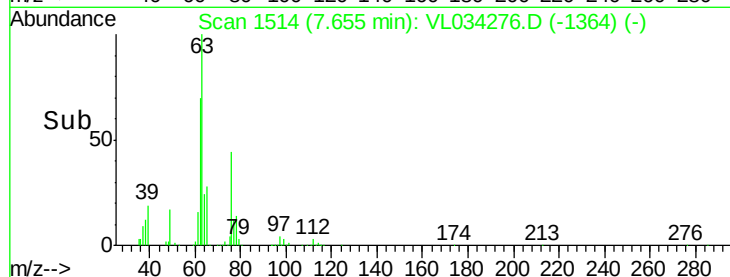
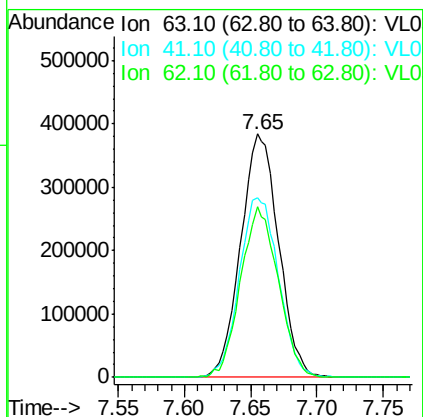
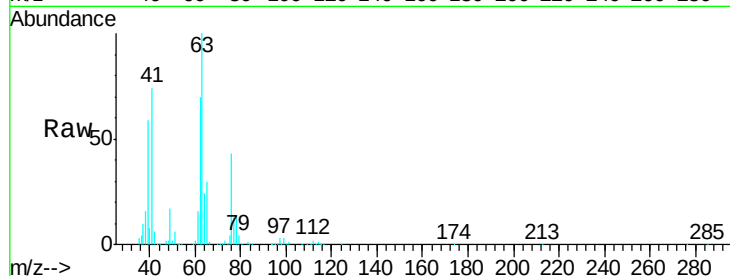
#39
 1,2-Dichloropropane
 Concen: 8.407 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	73.7	68.4	102.6
62	70.2	55.4	83.2

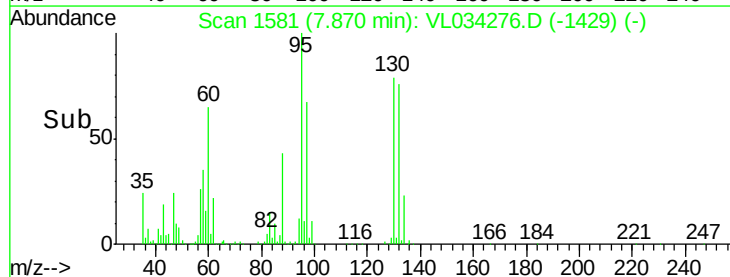
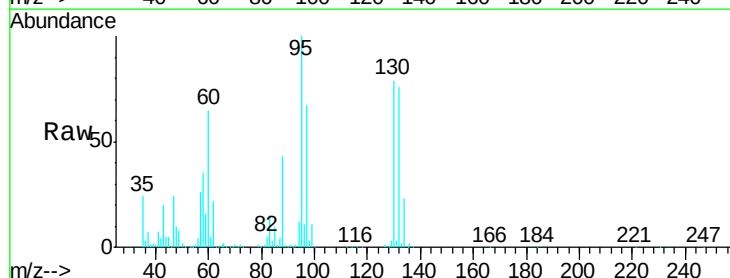
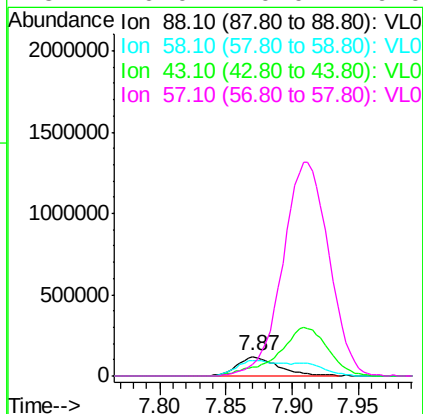
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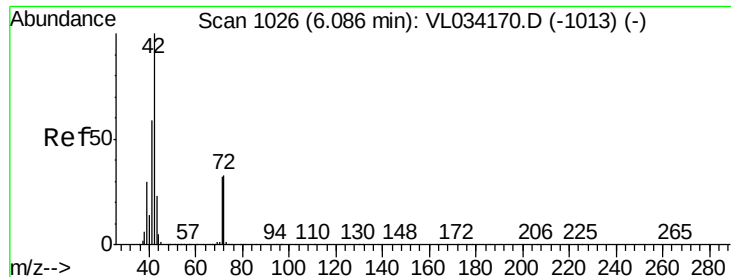
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.807 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	141.9	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





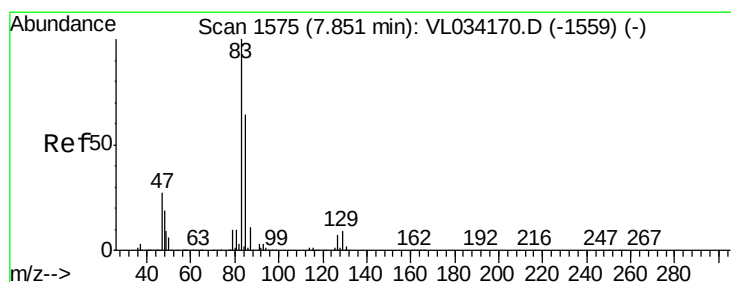
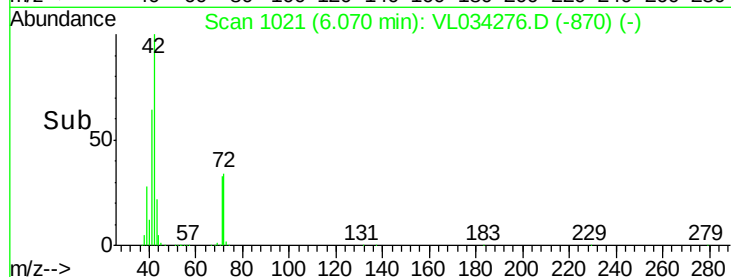
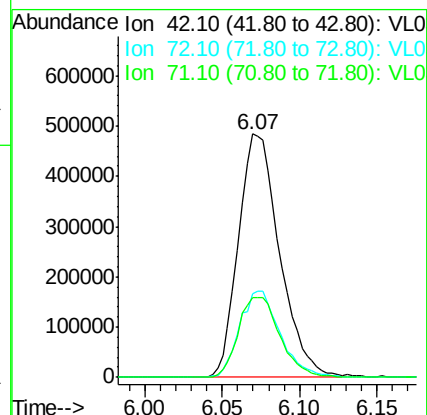
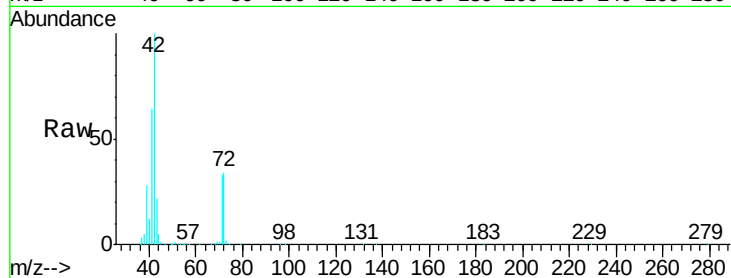
#41
Tetrahydrofuran
Concen: 8.502 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.2	26.6	40.0
71	33.6	25.1	37.7

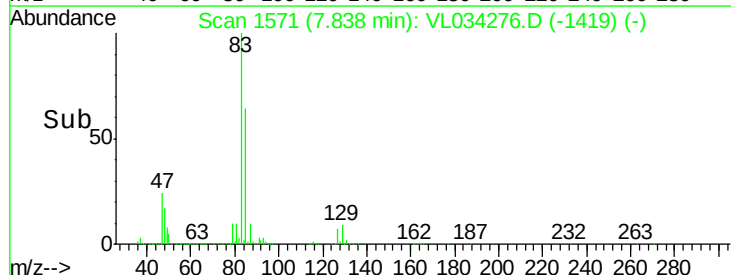
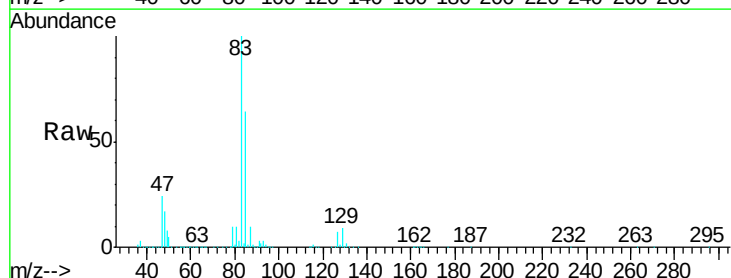
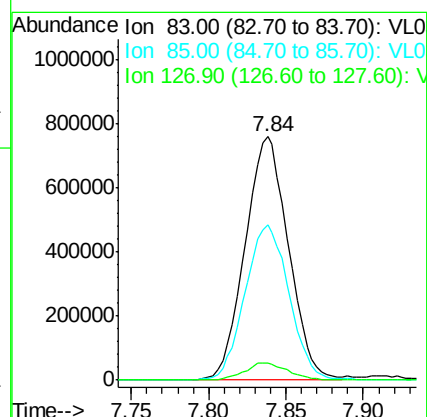
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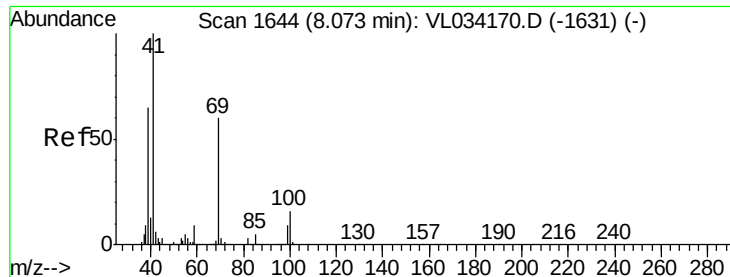
MMDadoda
10/11/2019 5:08:52 PM



#42
Bromodichloromethane
Concen: 8.570 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	7.2	5.5	8.3





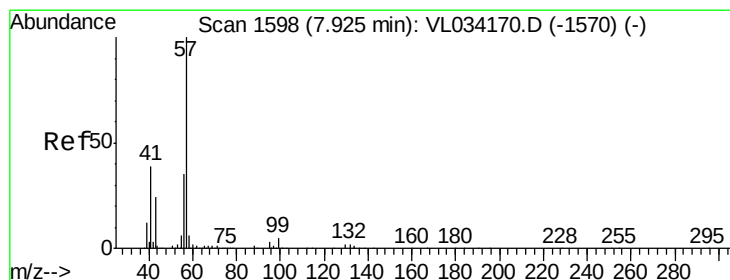
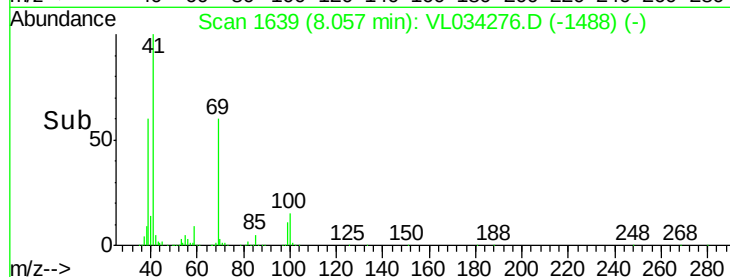
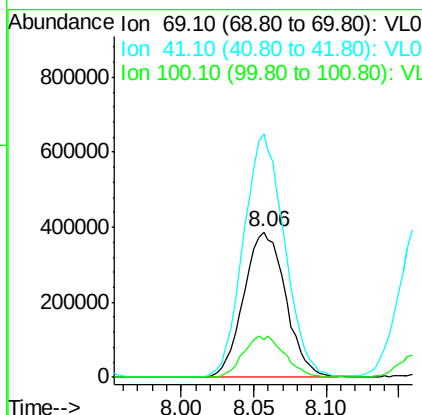
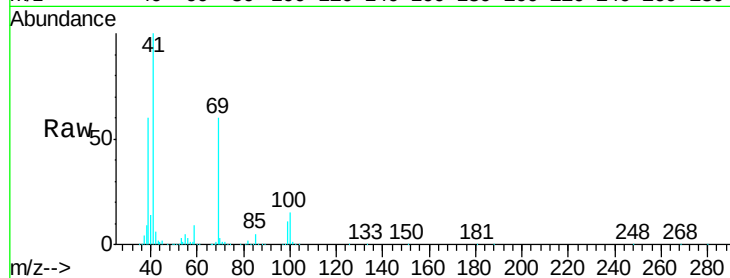
#43
Methyl Methacrylate
Concen: 9.346 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	163.5	140.4	210.6
100	28.1	21.9	32.9

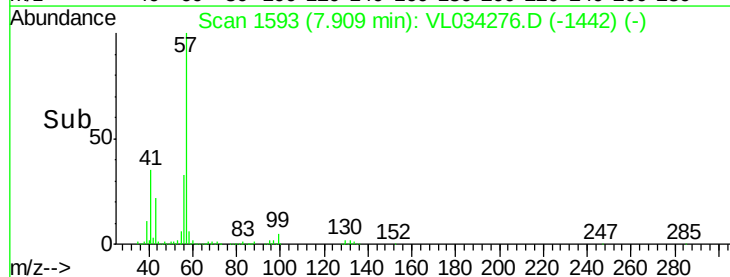
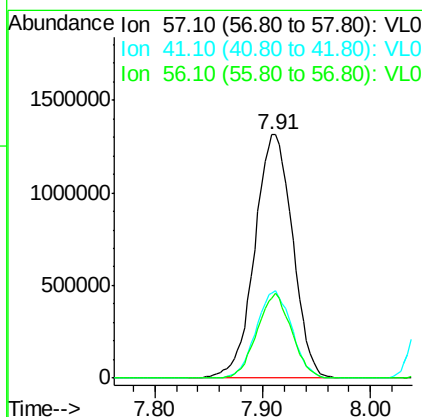
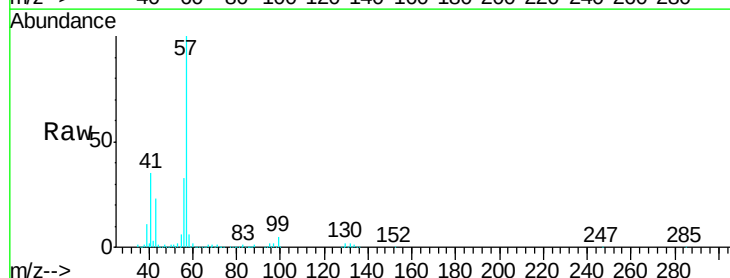
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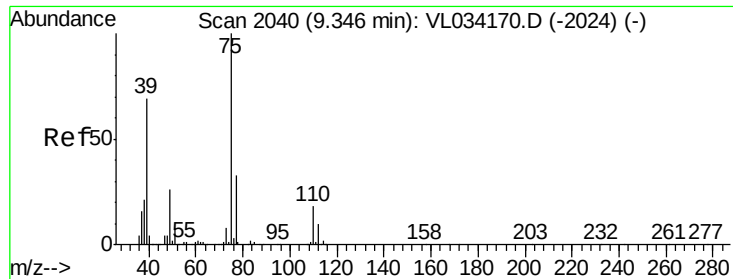
MMDadoda
10/11/2019 5:08:52 PM



#44
2,2,4-Trimethylpentane
Concen: 8.215 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.0	29.8	44.6
56	31.7	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 9.813 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 969116

Ion Ratio Lower Upper

75 100

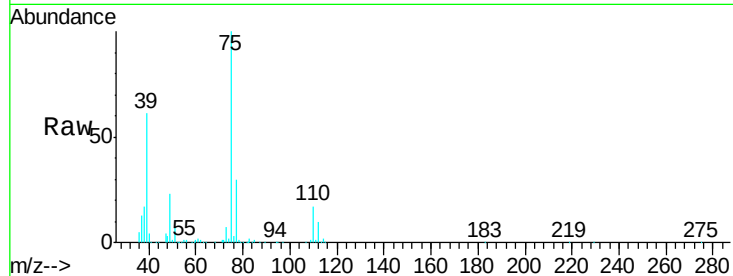
77 29.9 26.2 39.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.34

500000

400000

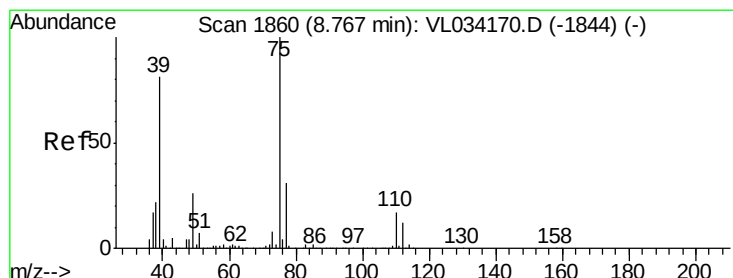
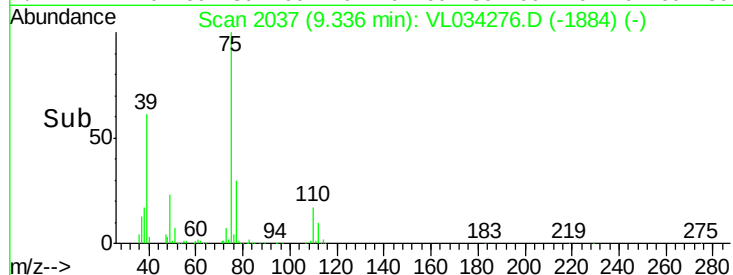
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.394 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

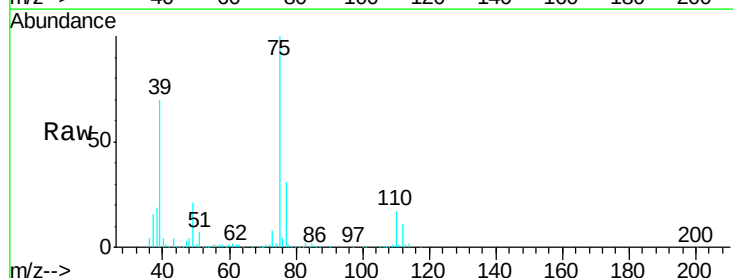
Tgt Ion: 75 Resp: 1115990

Ion Ratio Lower Upper

75 100

39 69.5 65.0 97.4

77 30.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.75

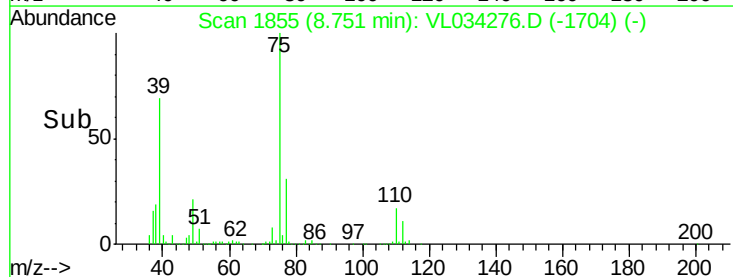
600000

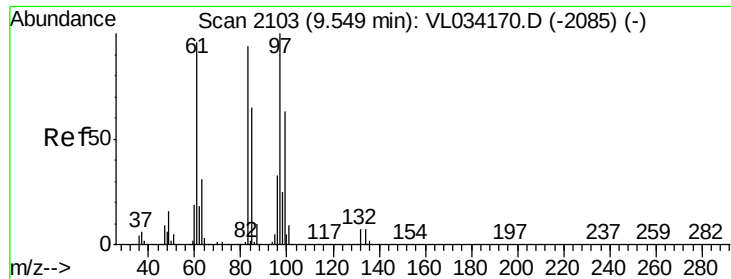
400000

200000

0

Time-->





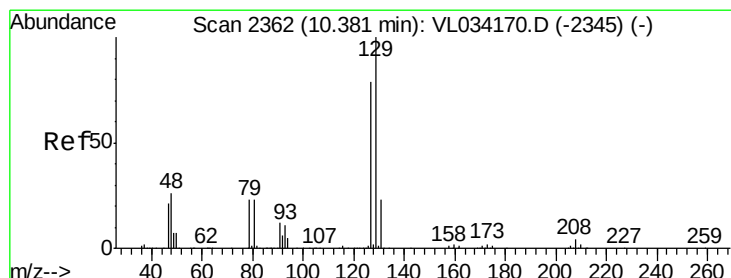
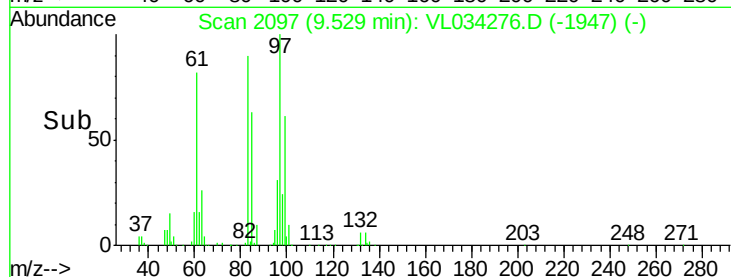
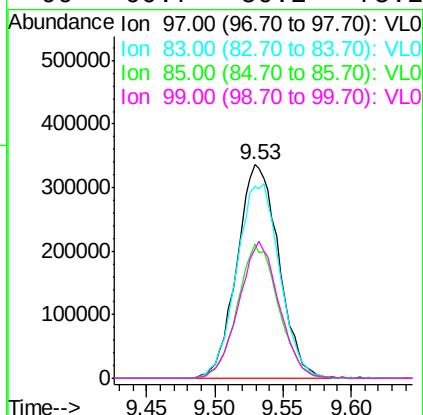
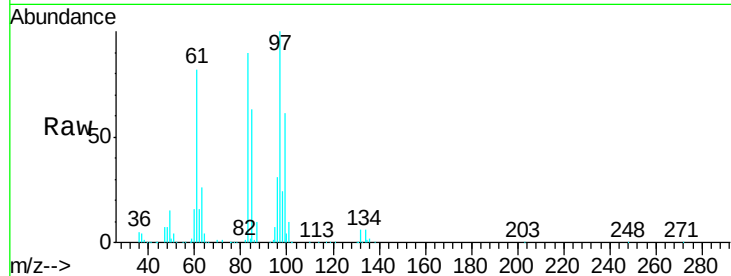
#47
 1,1,2-Trichloroethane
 Concen: 8.757 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	75.3	112.9
85	63.1	52.1	78.1
99	60.7	50.2	75.2

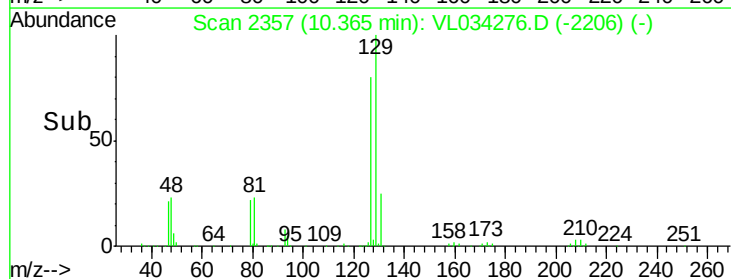
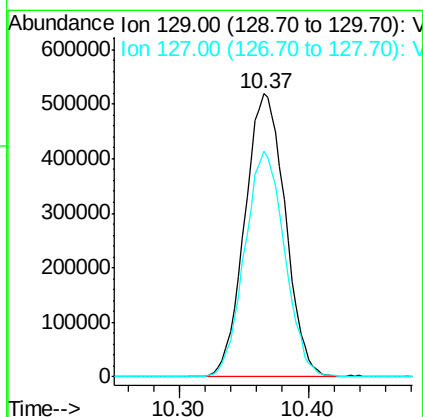
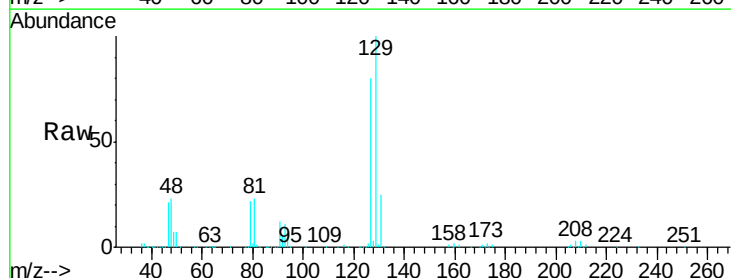
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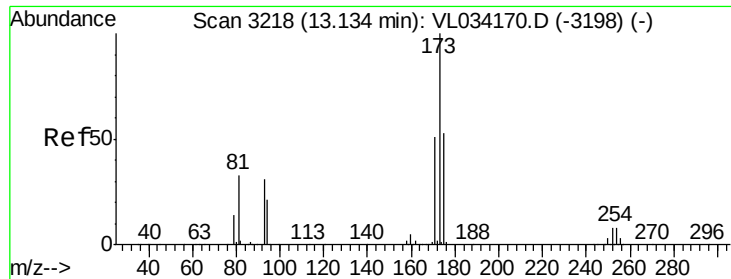
MMDadoda
 10/11/2019 5:08:52 PM



#48
 Dibromochloromethane
 Concen: 8.786 ppbv
 RT: 10.37 min Scan# 2357
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6





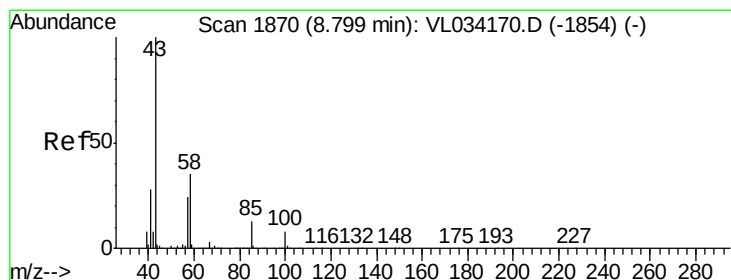
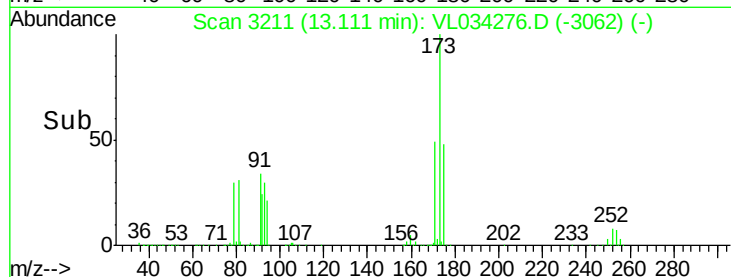
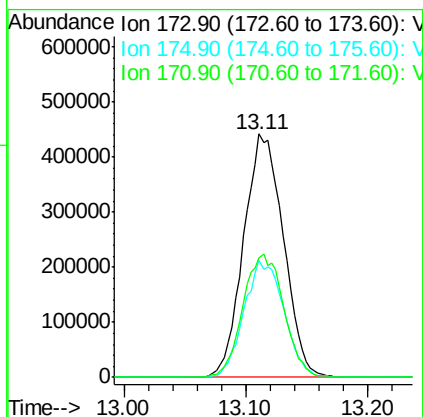
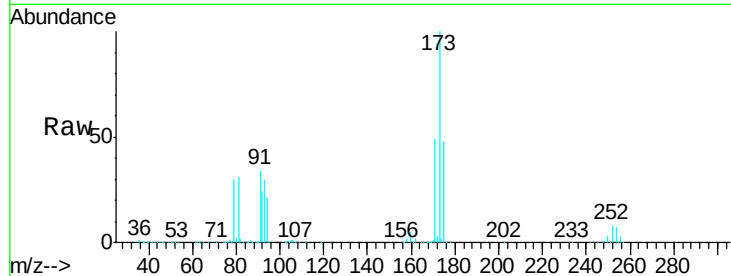
#49
Bromoform
Concen: 9.514 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	40.3	60.5
171	51.8	42.0	63.0

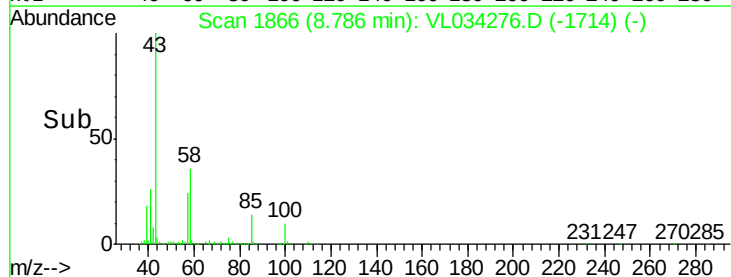
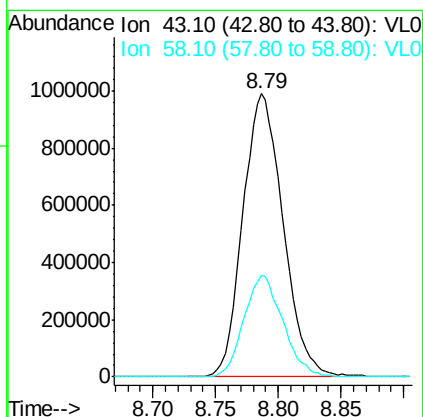
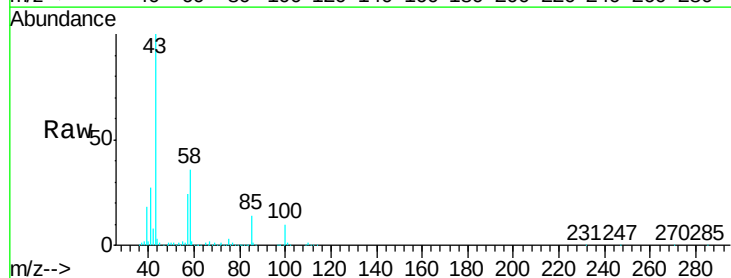
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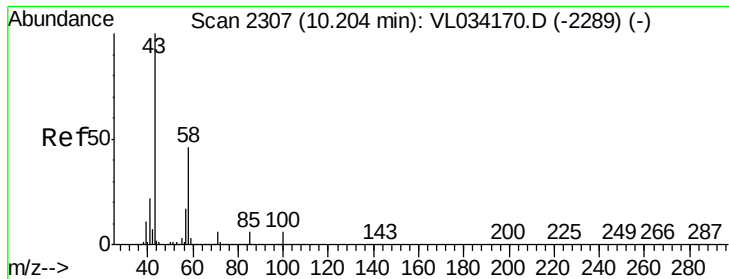
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#50
4-Methyl-2-Pentanone
Concen: 8.108 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.6	41.4





#51

2-Hexanone

Concen: 8.350 ppbv

RT: 10.19 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1906303

Ion Ratio Lower Upper

43 100

58 47.9 36.2 54.4

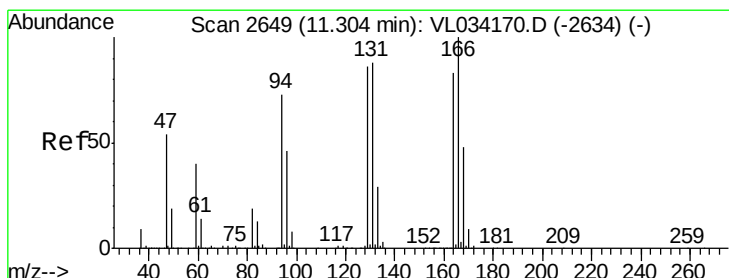
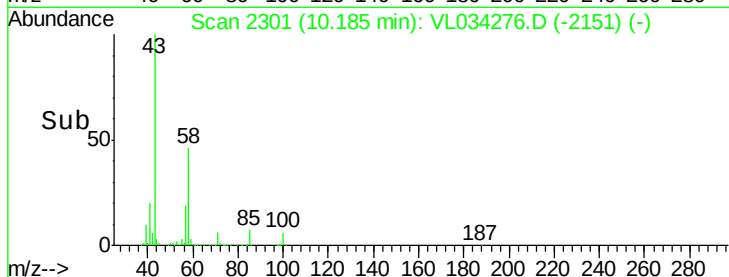
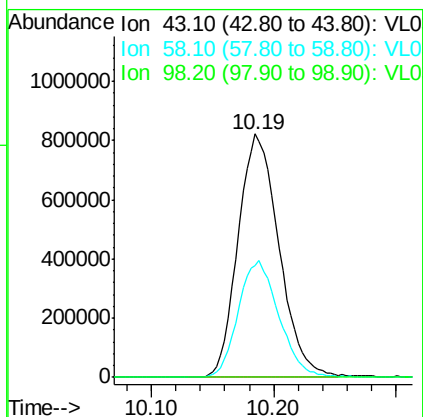
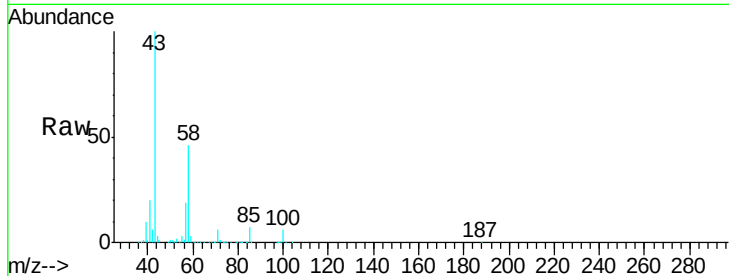
98 0.1 0.2 0.2#

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#52

Tetrachloroethene

Concen: 8.740 ppbv

RT: 11.29 min Scan# 2644

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Tgt Ion: 164 Resp: 583847

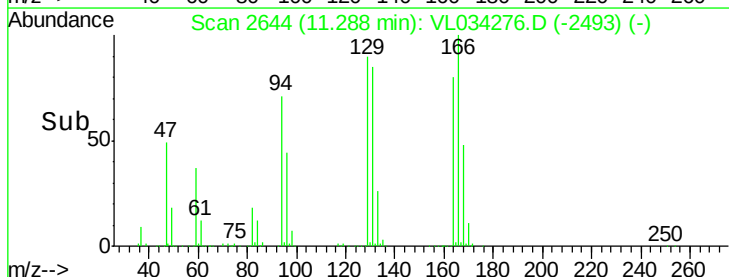
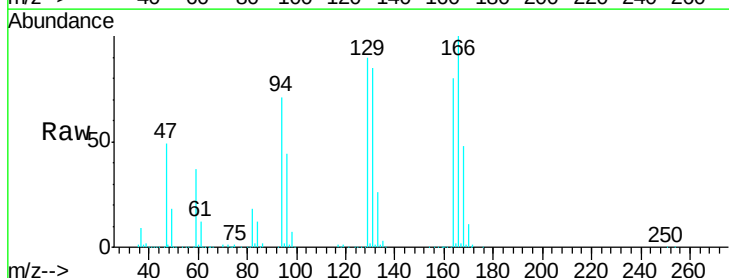
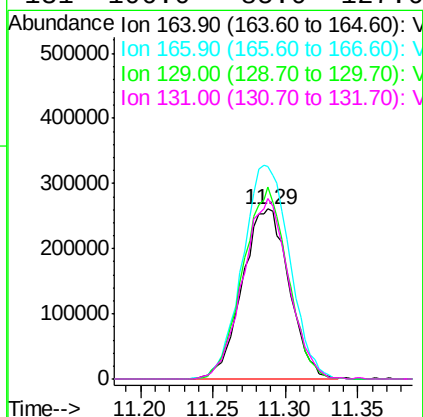
Ion Ratio Lower Upper

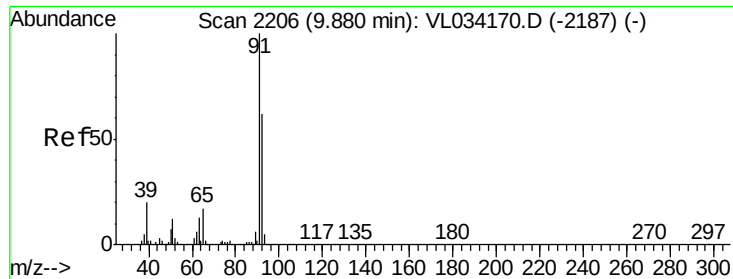
164 100

166 124.9 96.7 145.1

129 112.8 82.8 124.2

131 106.0 85.0 127.6





#53

Toluene

Concen: 9.168 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2025904

Ion Ratio Lower Upper

91 100

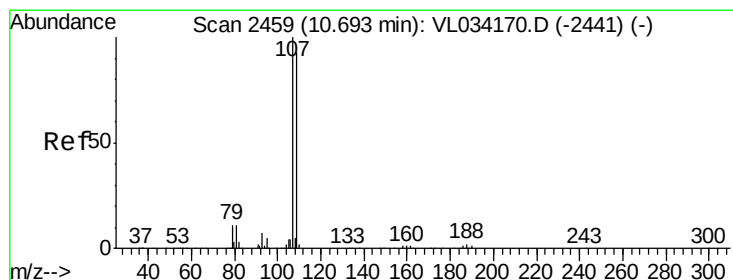
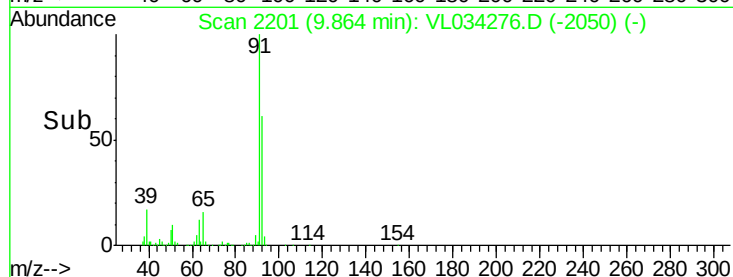
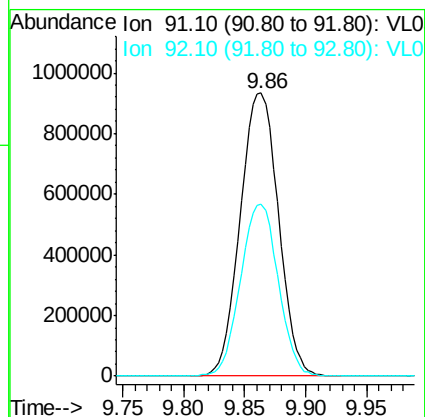
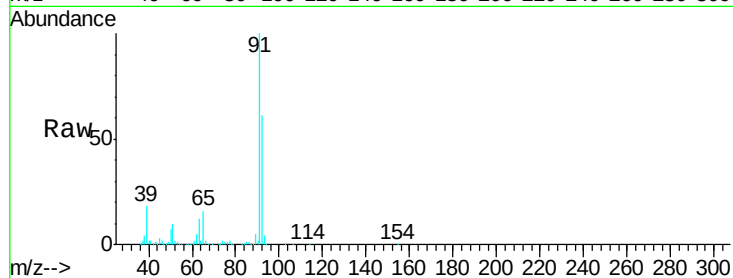
92 59.9 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 8.988 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. -0.02 min

Lab File: VL034276.D

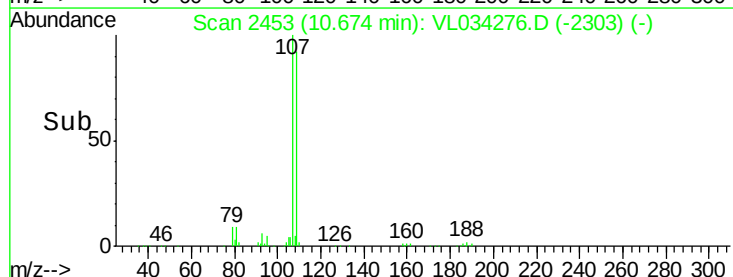
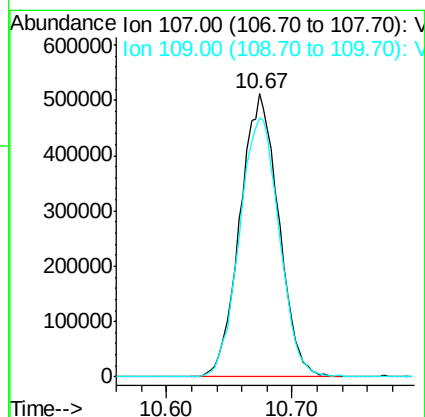
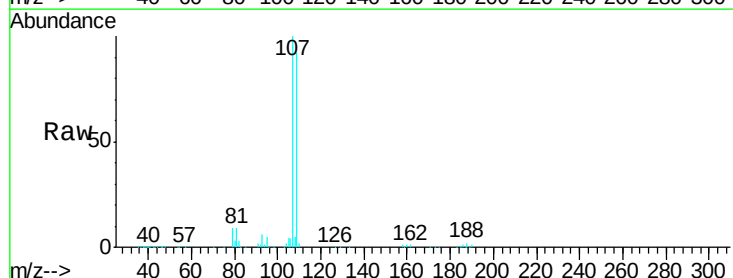
Acq: 9 Oct 2019 13:02

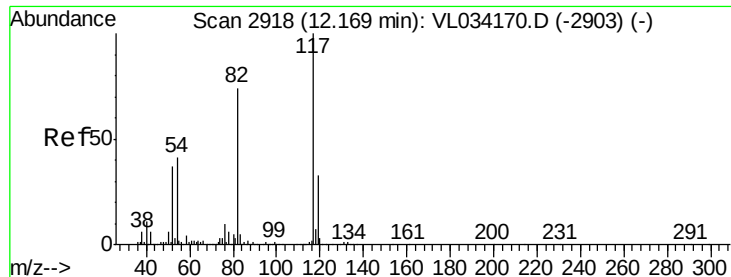
Tgt Ion: 107 Resp: 1090383

Ion Ratio Lower Upper

107 100

109 91.5 74.5 111.7





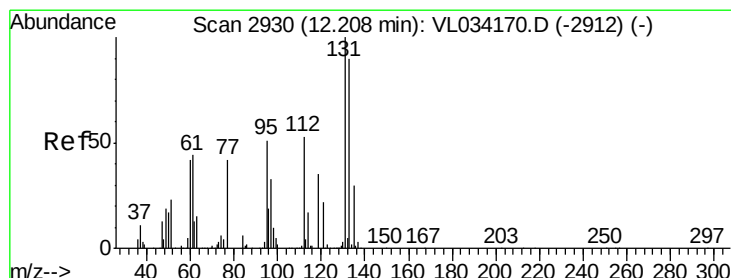
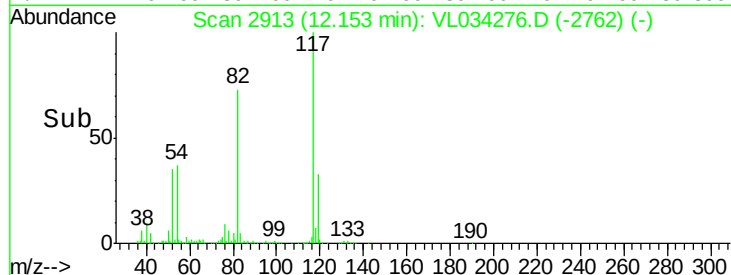
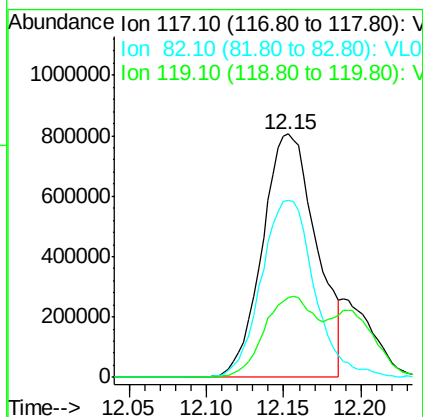
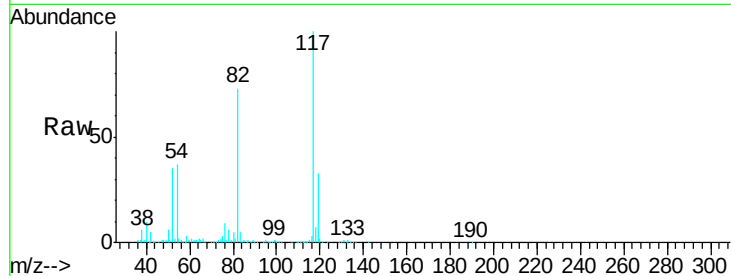
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 1957619
Ion Ratio Lower Upper
117 100
82 71.9 58.2 87.4
119 55.0 23.7 35.5#

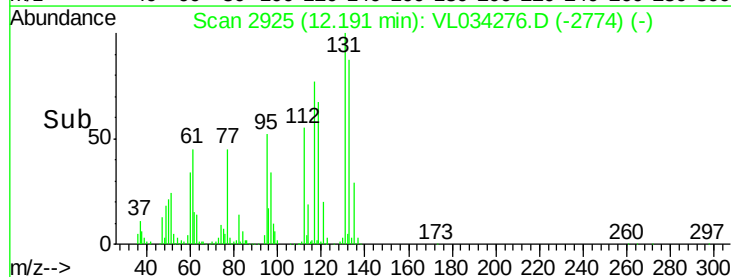
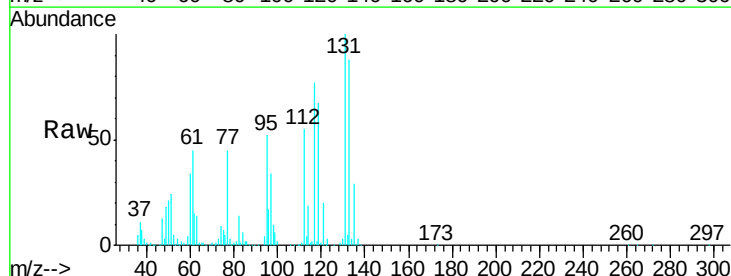
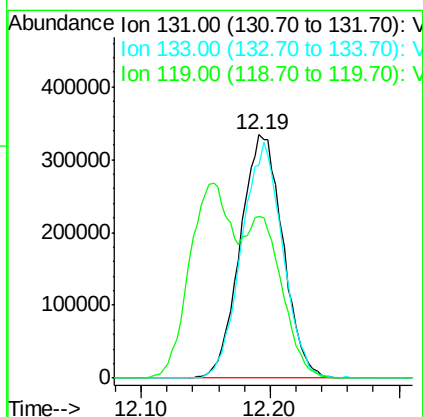
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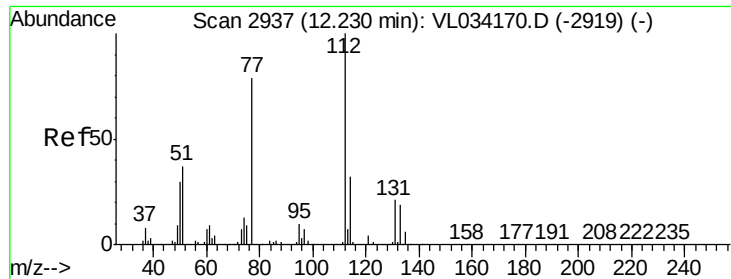
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.780 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion:131 Resp: 766556
Ion Ratio Lower Upper
131 100
133 93.7 75.1 112.7
119 59.1 47.4 71.0





#57

Chlorobenzene

Concen: 8.261 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. -0.02 min

Lab File: VL034276.D

Acq: 9 Oct 2019 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 112 Resp: 1407976

Ion Ratio Lower Upper

112 100

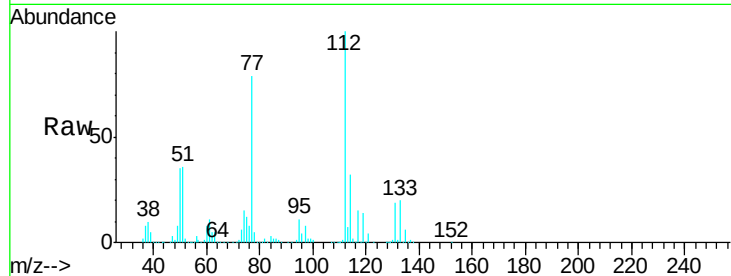
77 78.9 64.3 96.5

114 31.5 28.9 35.3

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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

800000

600000

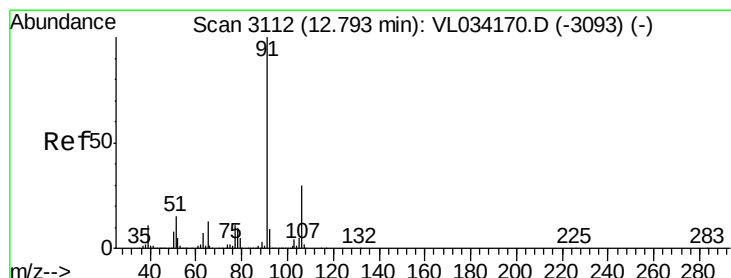
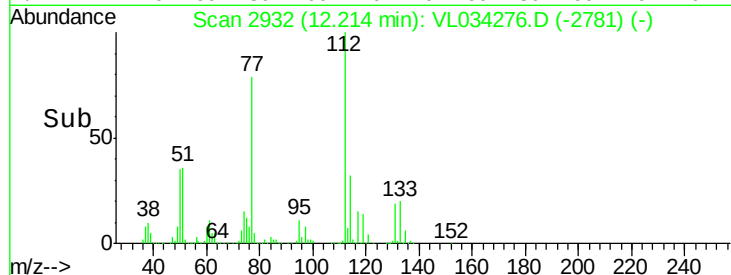
400000

200000

0

12.15 12.20 12.25 12.30

Time-->



#58

Ethyl Benzene

Concen: 8.707 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. -0.01 min

Lab File: VL034276.D

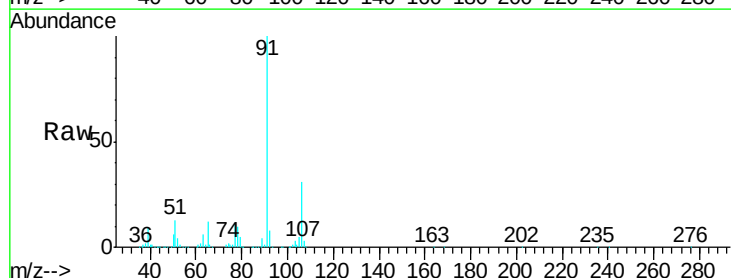
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 2750403

Ion Ratio Lower Upper

91 100

106 31.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

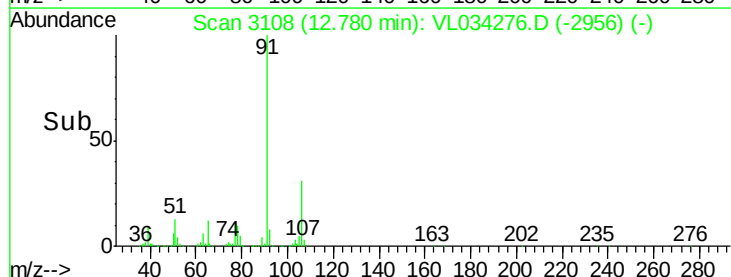
1000000

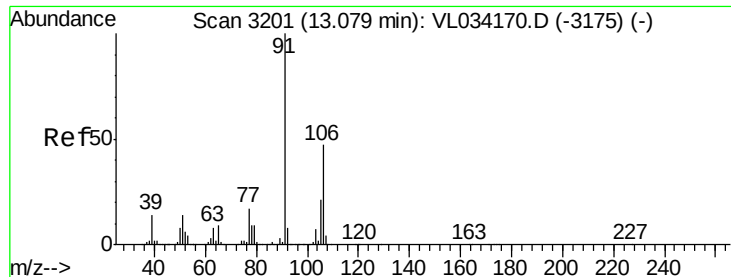
500000

0

12.70 12.80

Time-->





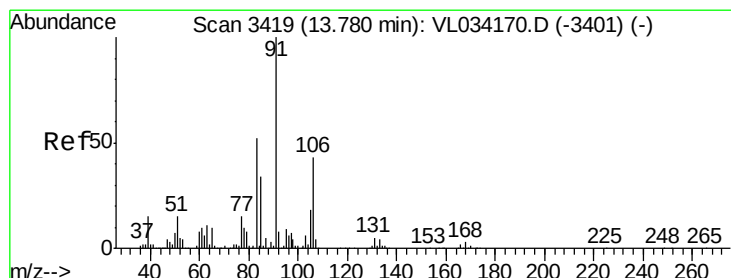
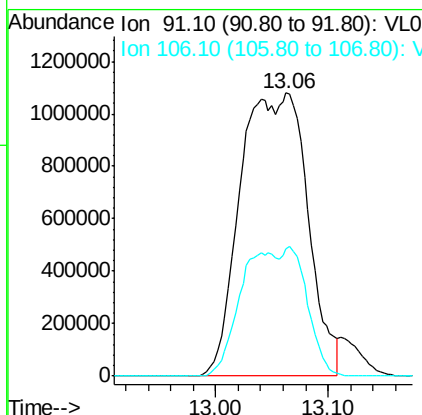
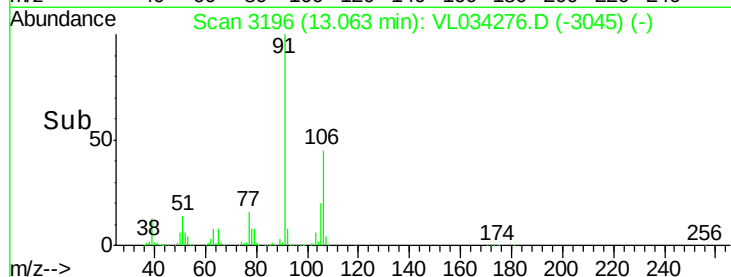
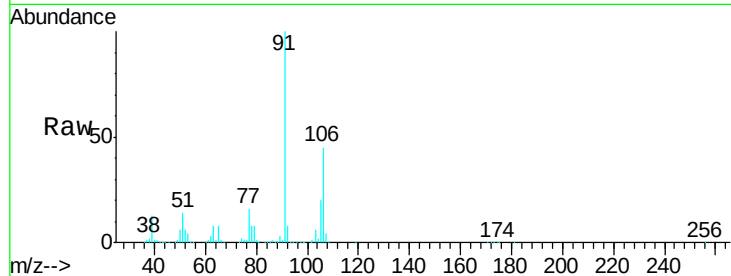
#59
m/p-Xylene
Concen: 17.105 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4475004
Ion Ratio Lower Upper
91 100
106 43.5 35.5 53.3

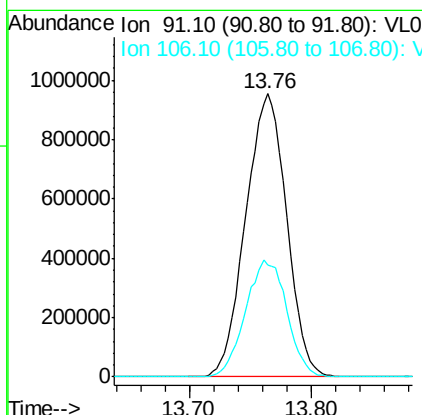
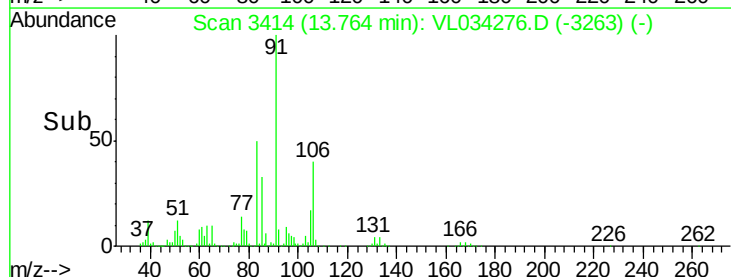
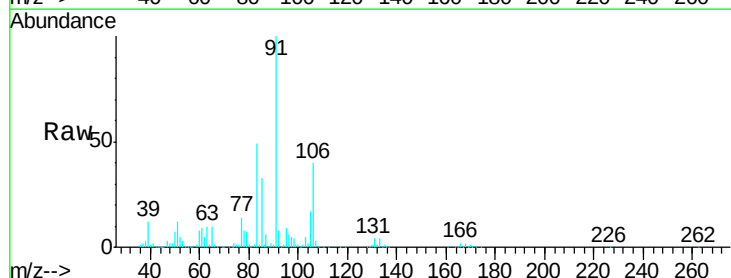
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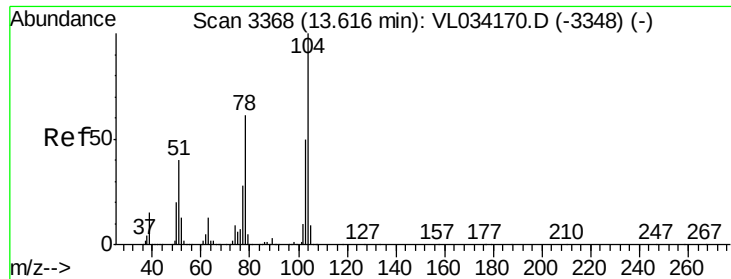
MMDadoda
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#60
o-Xylene
Concen: 8.452 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 2211162
Ion Ratio Lower Upper
91 100
106 41.7 21.2 63.6





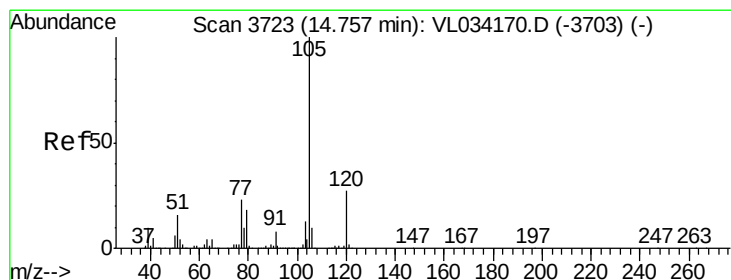
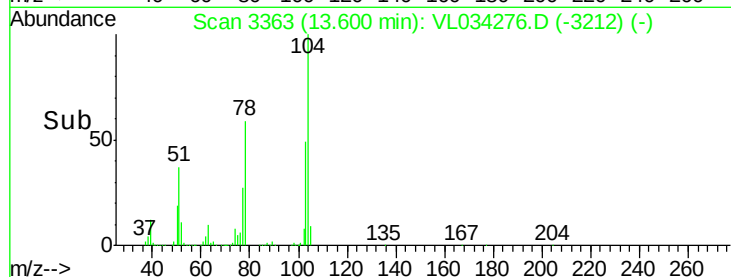
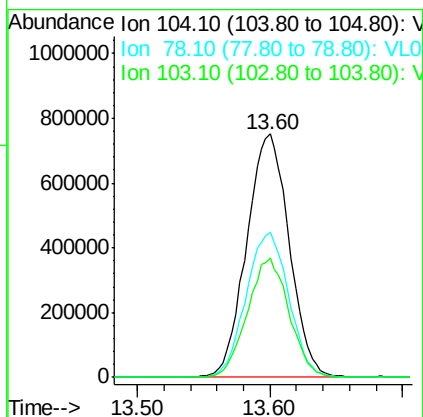
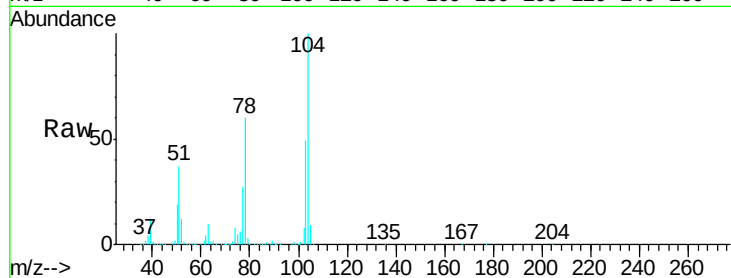
#61
Styrene
 Concen: 8.942 ppbv
 RT: 13.60 min Scan# 3363
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:104 Resp: 1675578
 Ion Ratio Lower Upper
 104 100
 78 59.9 49.7 74.5
 103 48.1 38.4 57.6

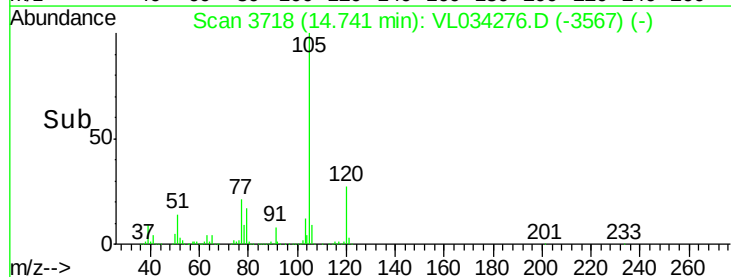
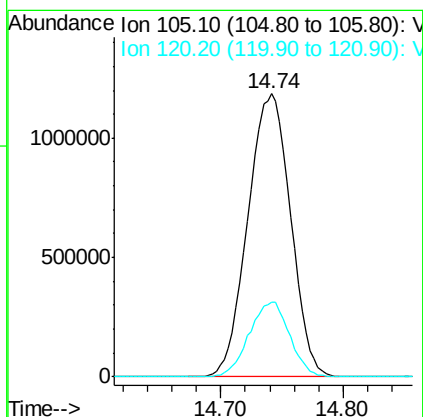
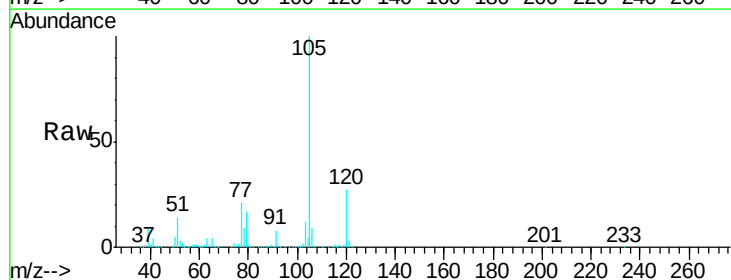
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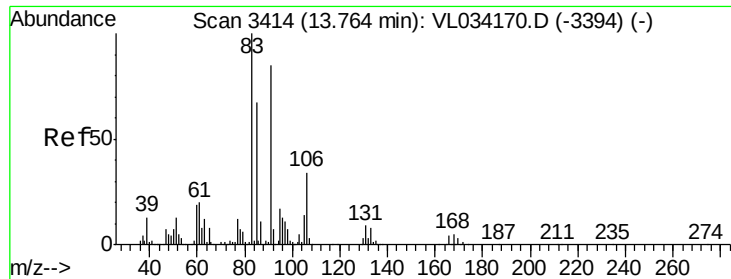
MMDadoda
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#62
Isopropylbenzene
 Concen: 8.489 ppbv
 RT: 14.74 min Scan# 3718
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:105 Resp: 2874915
 Ion Ratio Lower Upper
 105 100
 120 25.1 20.7 31.1





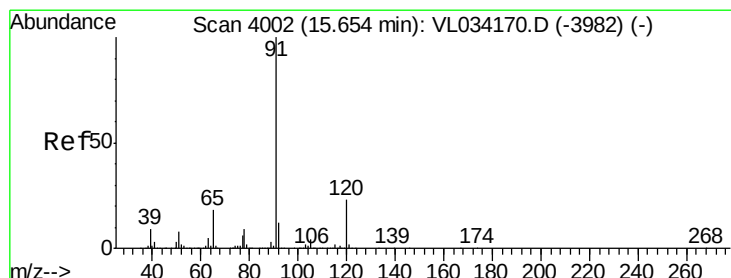
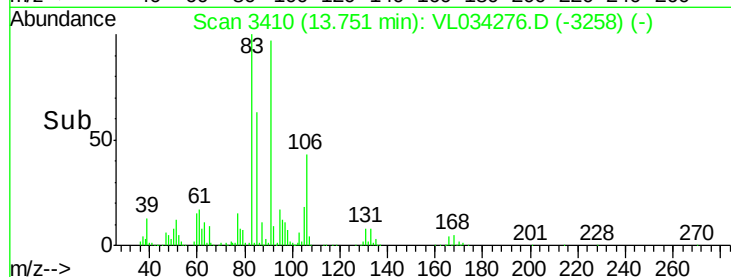
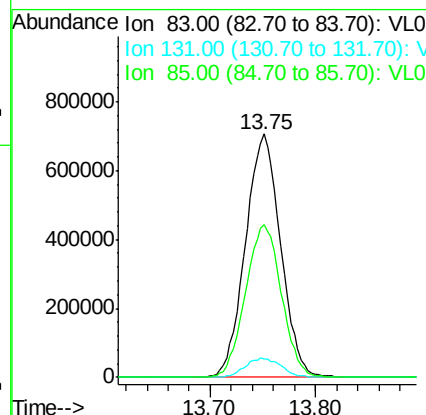
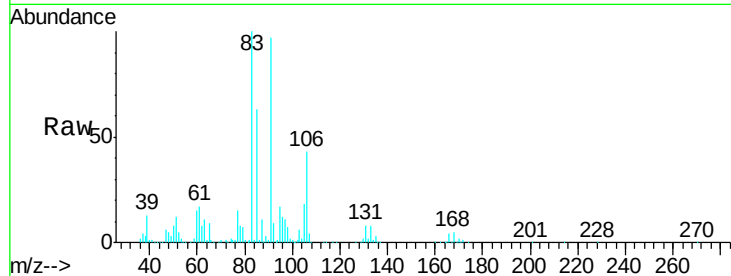
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.623 ppbv
 RT: 13.75 min Scan# 3410
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 1635189
 Ion Ratio Lower Upper
 83 100
 131 8.2 4.3 12.8
 85 64.4 32.8 98.4

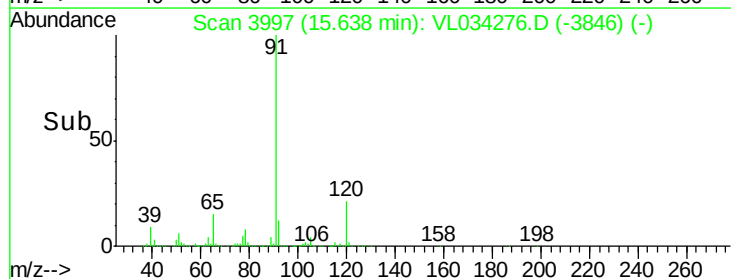
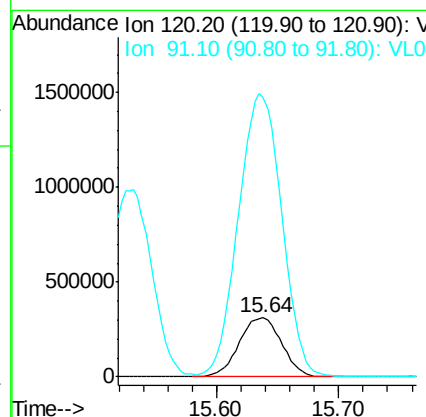
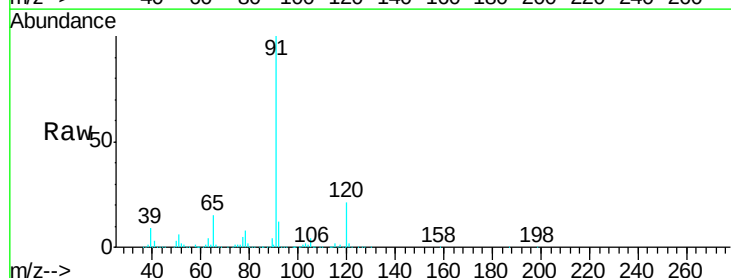
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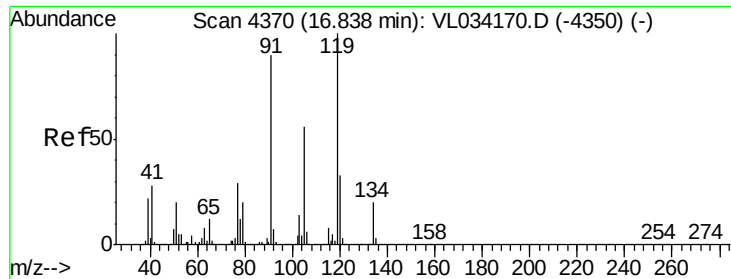
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#64
 n-propylbenzene
 Concen: 8.782 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 120 Resp: 752448
 Ion Ratio Lower Upper
 120 100
 91 491.3 378.2 567.2





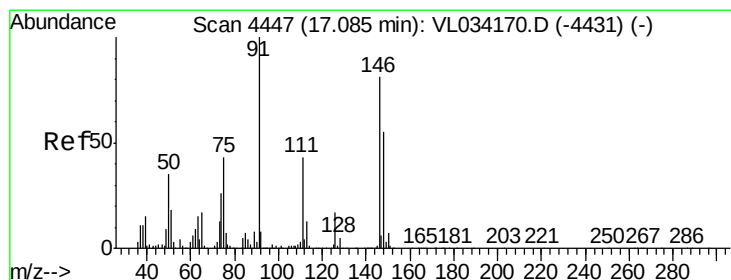
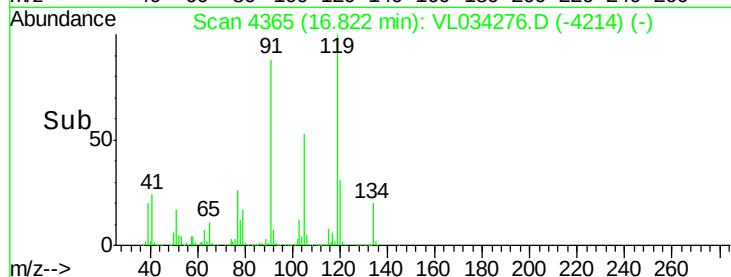
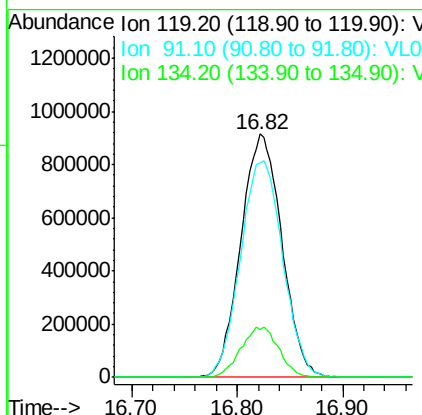
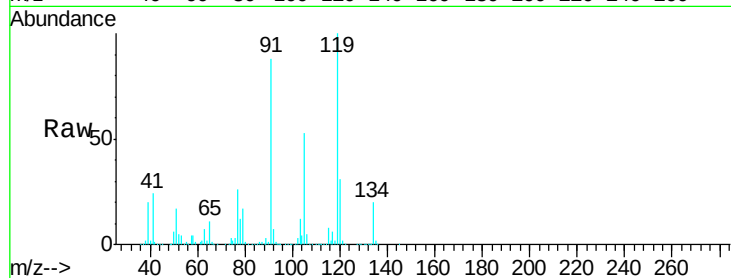
#65
 tert-Butylbenzene
 Concen: 8.356 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 2472665
 Ion Ratio Lower Upper
 119 100
 91 92.1 74.9 112.3
 134 19.2 15.8 23.6

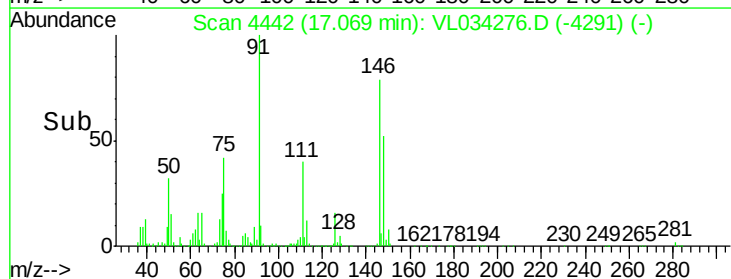
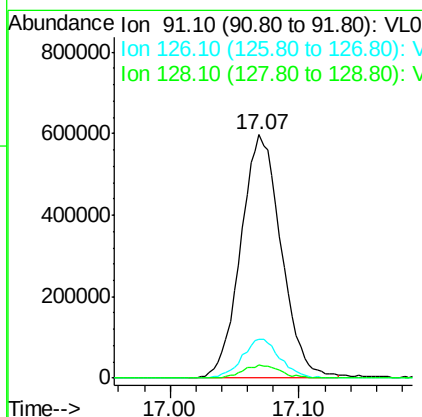
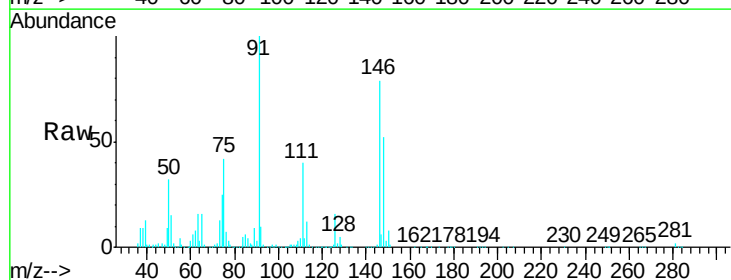
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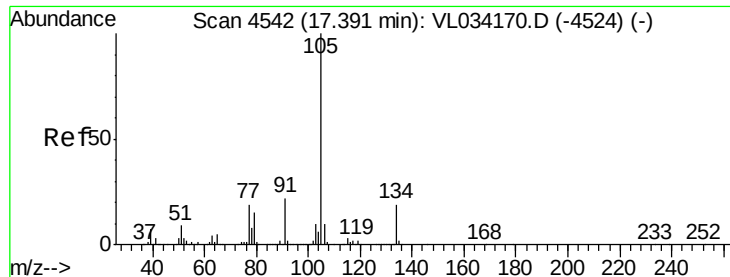
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#66
 Benzyl Chloride
 Concen: 12.434 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 91 Resp: 1301656
 Ion Ratio Lower Upper
 91 100
 126 15.2 12.6 19.0
 128 5.0 4.0 6.0





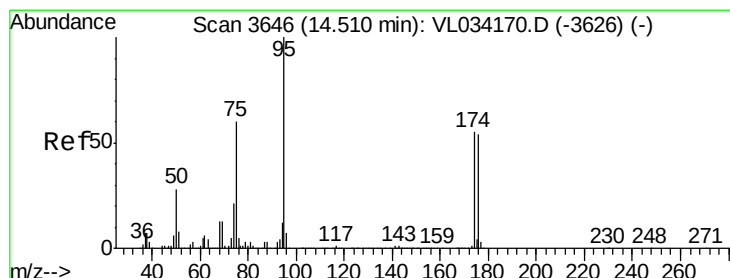
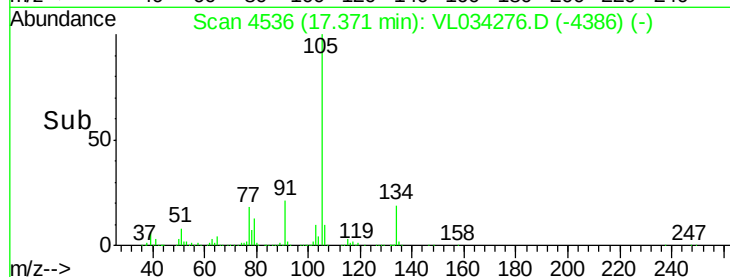
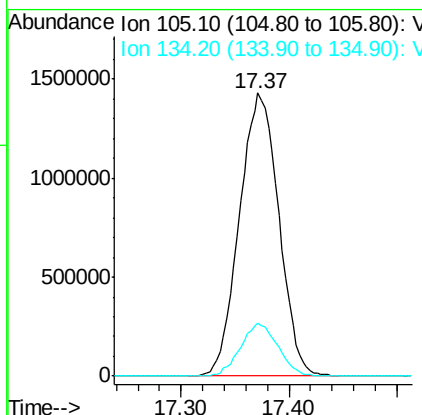
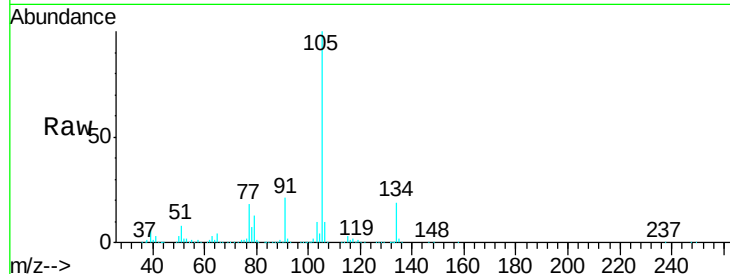
#67
 sec-Butylbenzene
 Concen: 8.538 ppbv
 RT: 17.37 min Scan# 4536
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 3612628
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 22.0

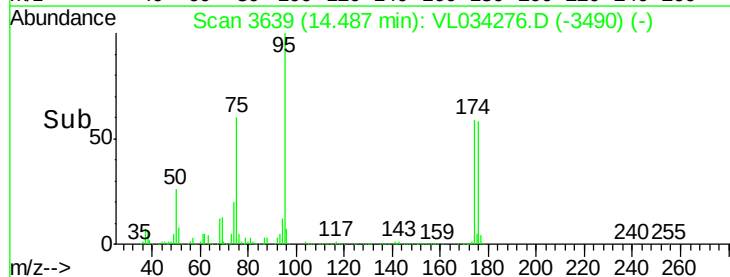
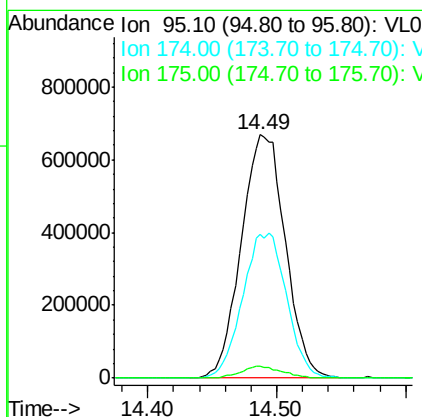
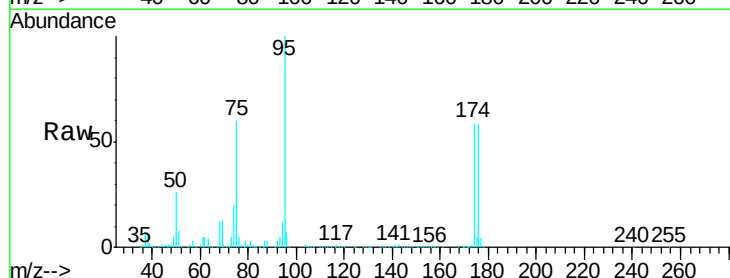
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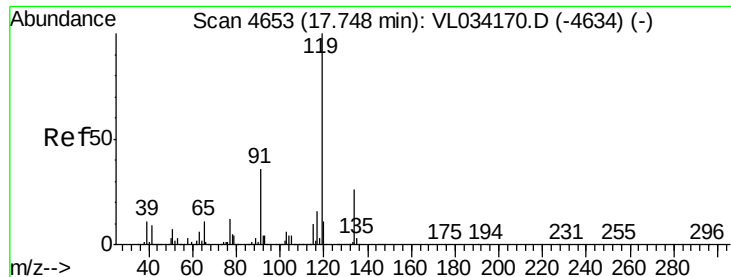
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.312 ppbv m
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 95 Resp: 1583985
 Ion Ratio Lower Upper
 95 100
 174 59.5 45.1 67.7
 175 4.6 3.3 4.9





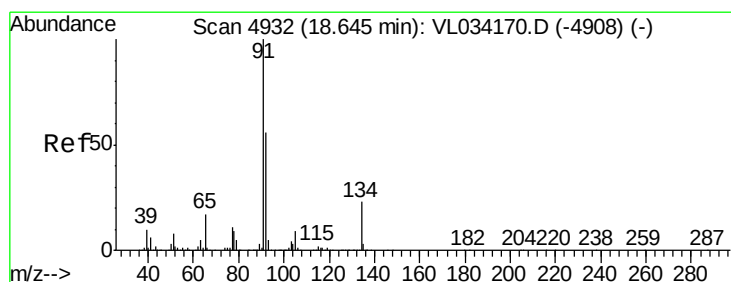
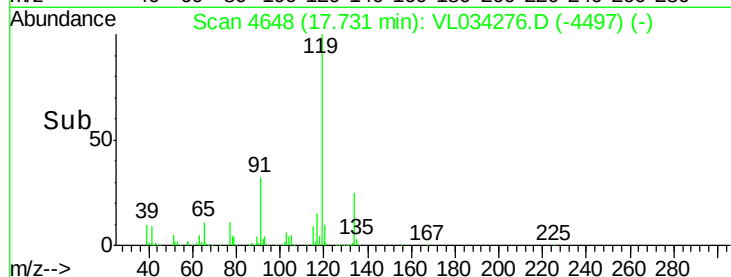
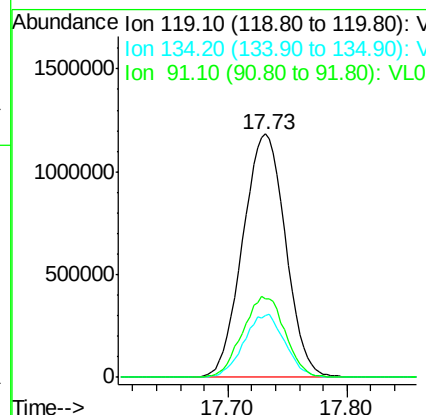
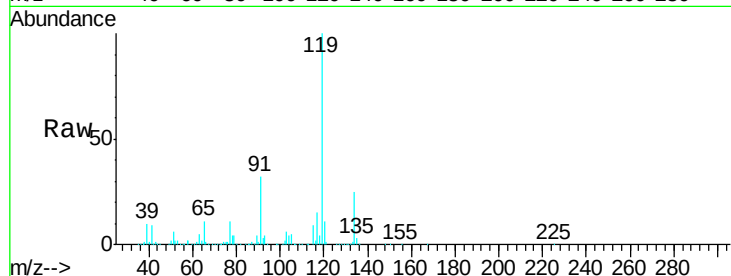
#69
 p-Isopropyltoluene
 Concen: 8.587 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.6	30.8
91	33.1	27.6	41.4

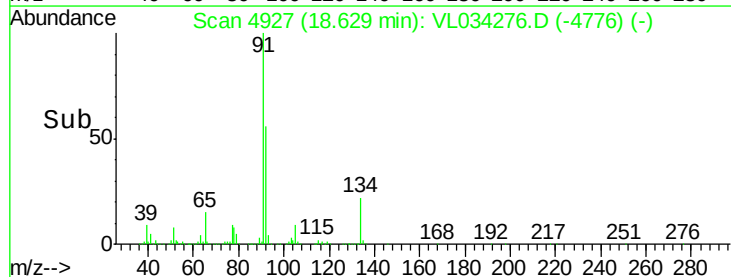
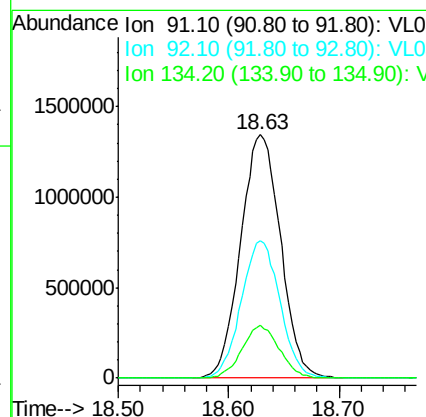
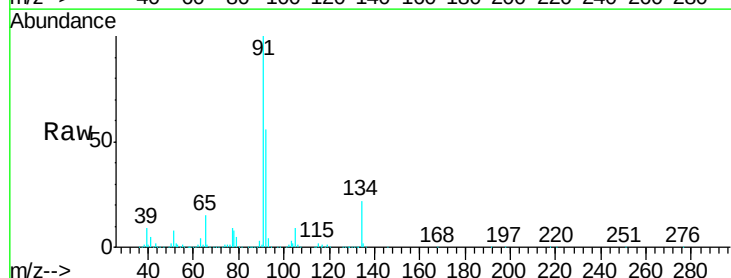
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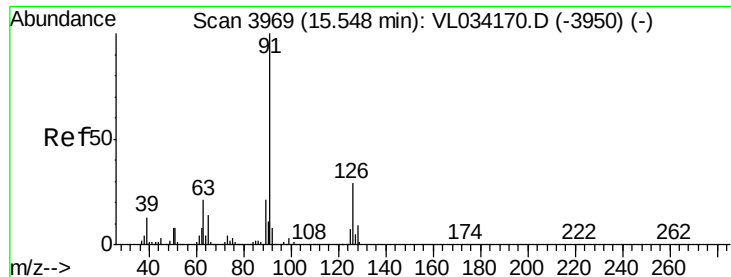
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#70
 n-Butylbenzene
 Concen: 8.421 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.8	67.2
134	20.5	17.3	25.9





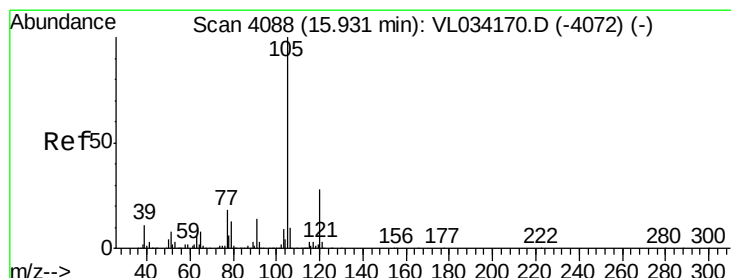
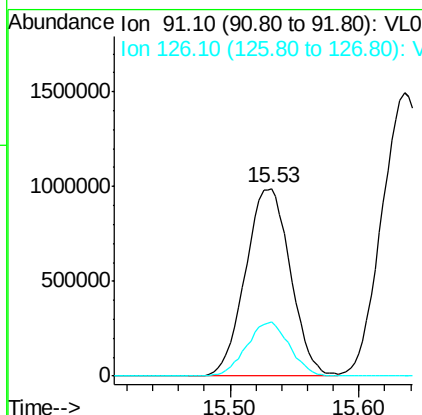
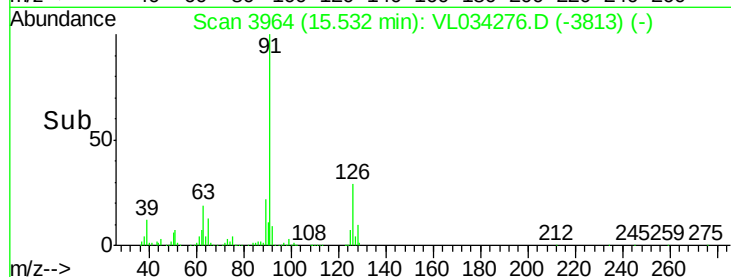
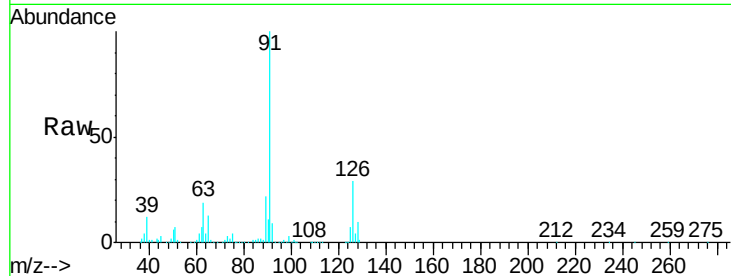
#71
 2-Chlorotoluene
 Concen: 8.678 ppbv
 RT: 15.53 min Scan# 3964
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 2401100
 Ion Ratio Lower Upper
 91 100
 126 27.6 11.2 45.0

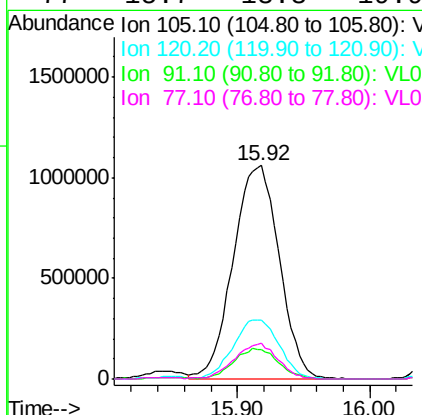
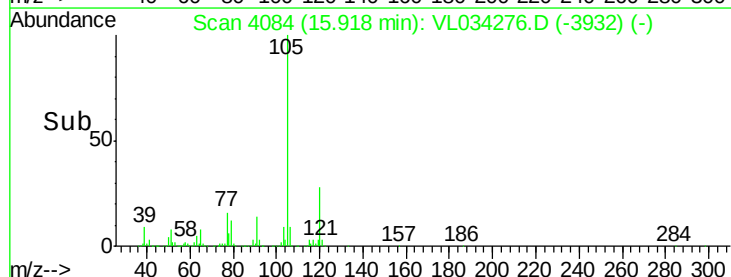
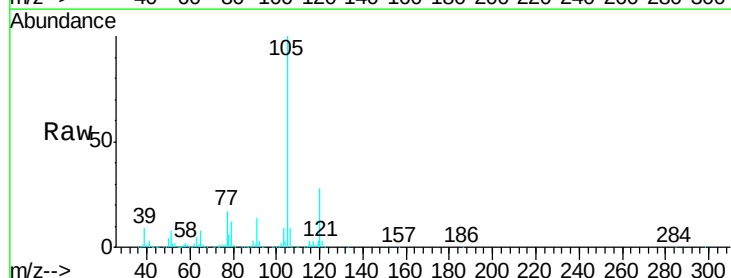
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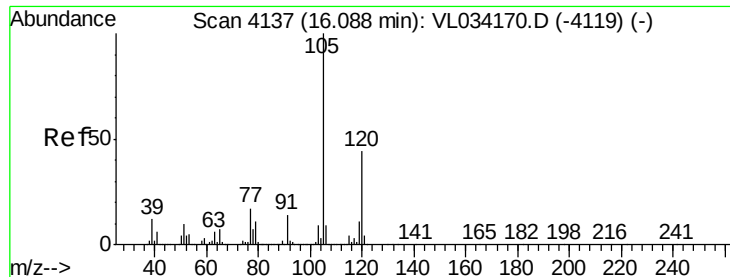
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#72
 4-Ethyltoluene
 Concen: 8.639 ppbv
 RT: 15.92 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion: 105 Resp: 2553324
 Ion Ratio Lower Upper
 105 100
 120 28.0 23.3 34.9
 91 13.8 11.4 17.2
 77 15.7 13.3 19.9





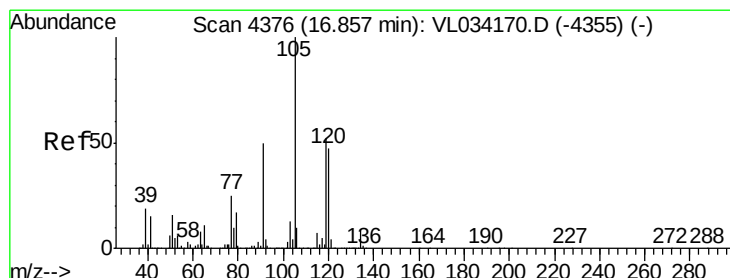
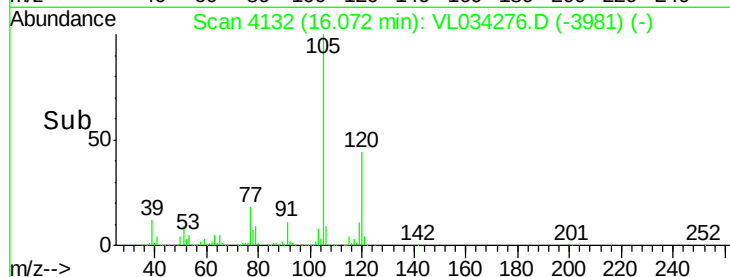
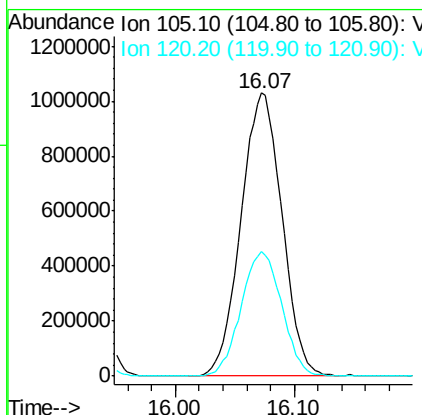
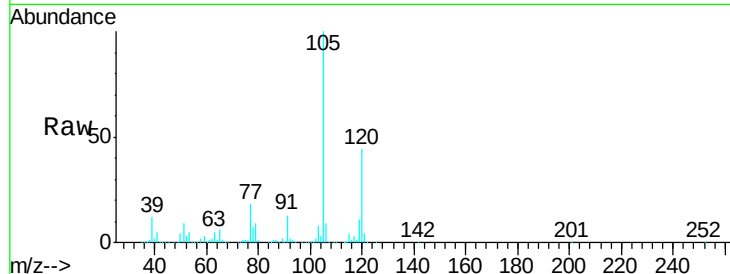
#73
 1,3,5-Trimethylbenzene
 Concen: 8.558 ppbv
 RT: 16.07 min Scan# 4132
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 2443537
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.6 53.4

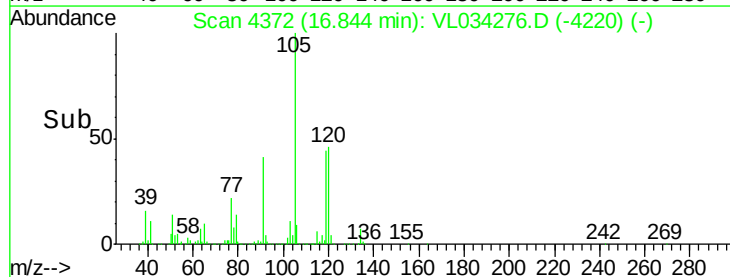
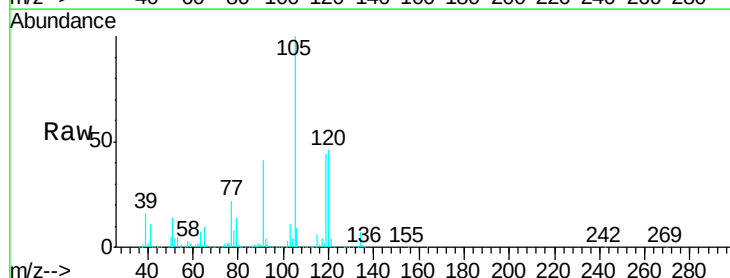
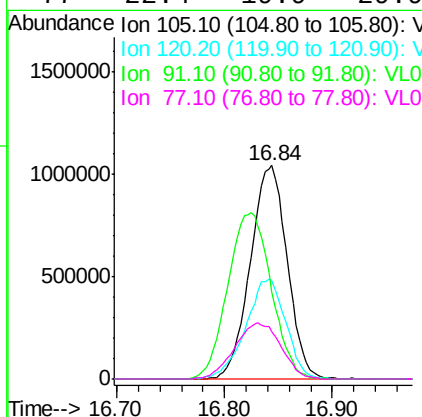
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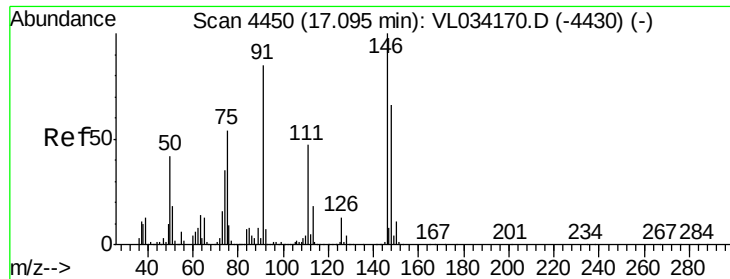
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.141 ppbv
 RT: 16.84 min Scan# 4372
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:105 Resp: 2468348
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.5 56.3
 91 40.8 41.1 61.7#
 77 22.4 19.9 29.9





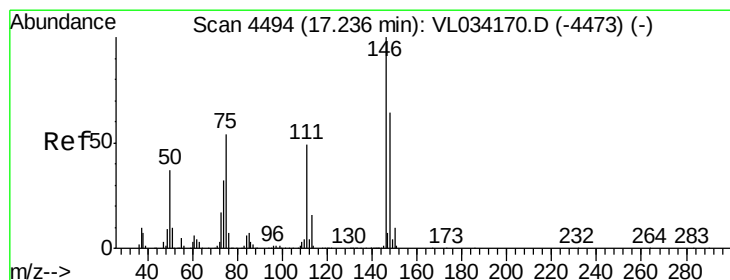
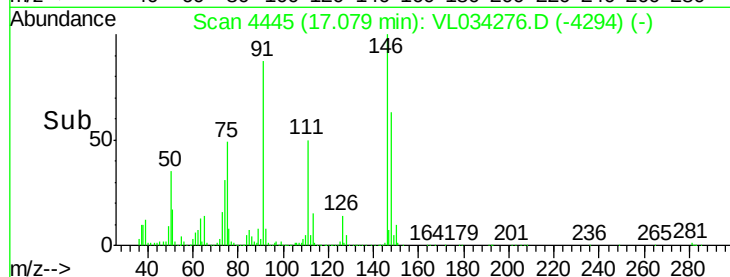
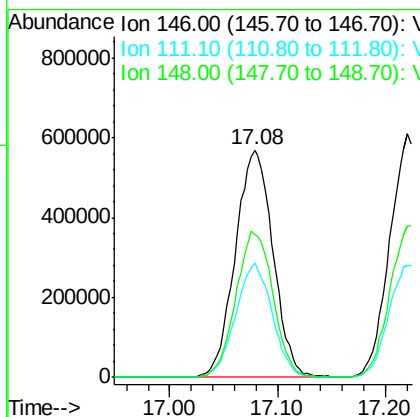
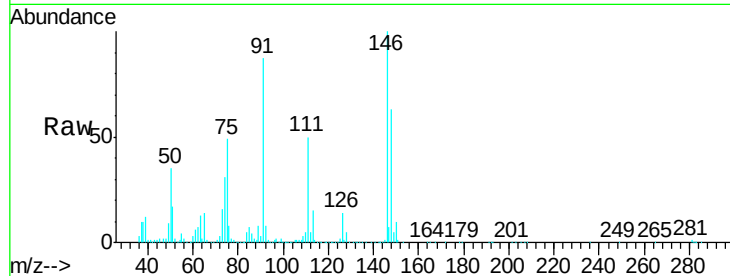
#75
 1,3-Dichlorobenzene
 Concen: 8.479 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1379250
 Ion Ratio Lower Upper
 146 100
 111 49.1 25.9 77.8
 148 63.6 32.6 97.7

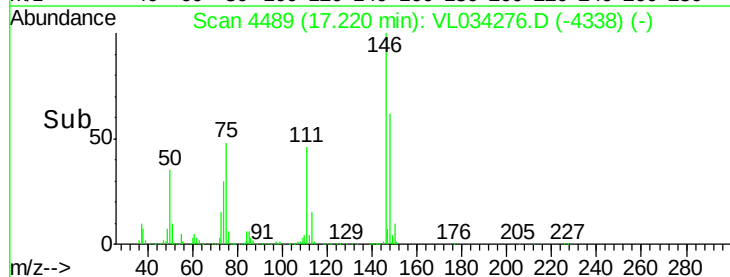
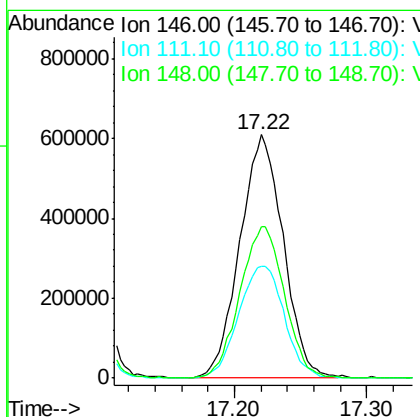
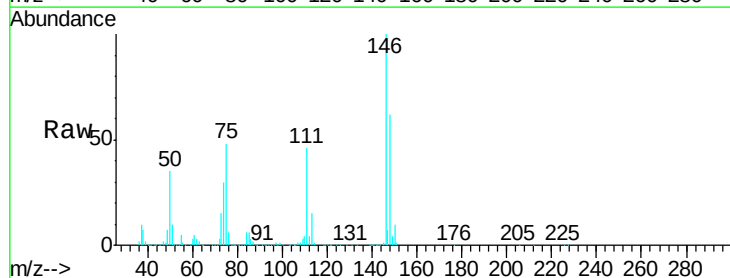
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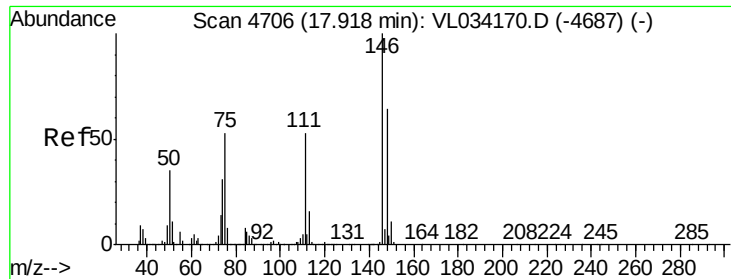
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#76
 1,4-Dichlorobenzene
 Concen: 8.260 ppbv
 RT: 17.22 min Scan# 4489
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:146 Resp: 1376033
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.6 74.0
 148 64.4 32.4 97.0





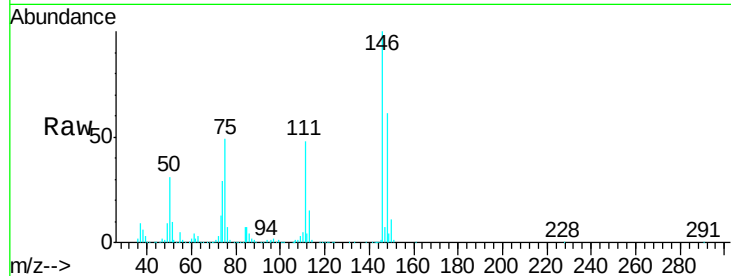
#77
 1,2-Dichlorobenzene
 Concen: 8.278 ppbv
 RT: 17.90 min Scan# 4701
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

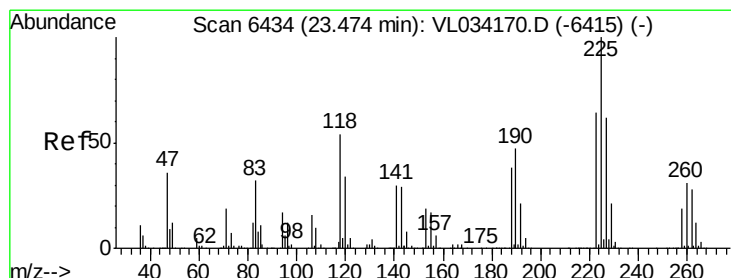
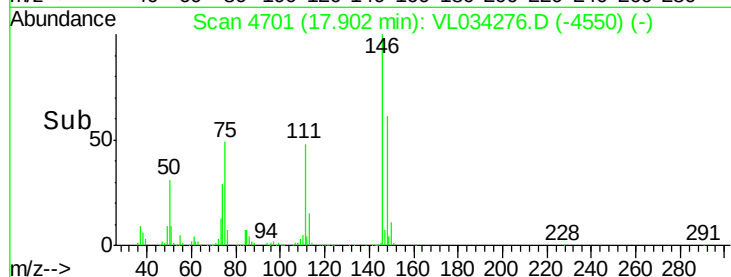
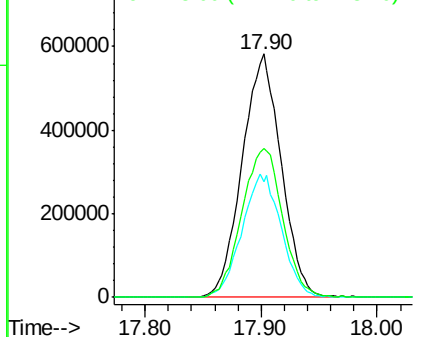
Tgt Ion:146 Resp: 1362863
 Ion Ratio Lower Upper
 146 100
 111 51.0 26.1 78.3
 148 64.1 31.9 95.9

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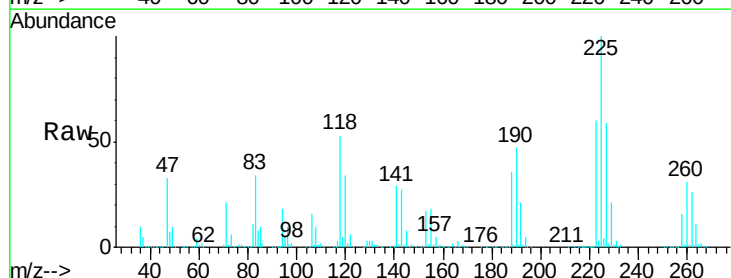


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

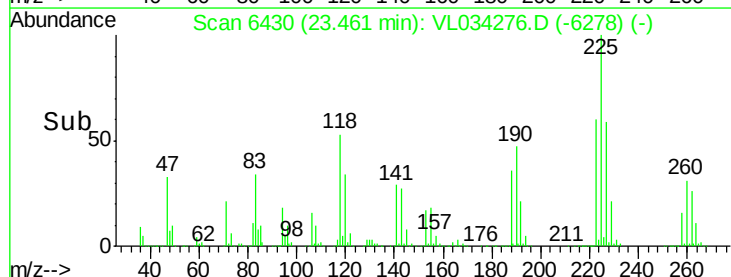
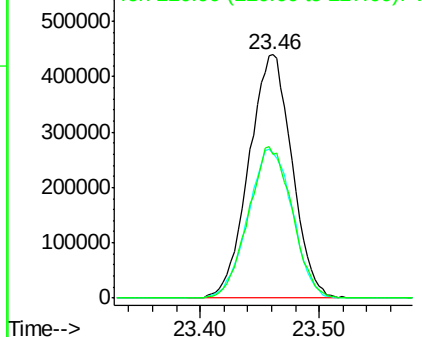


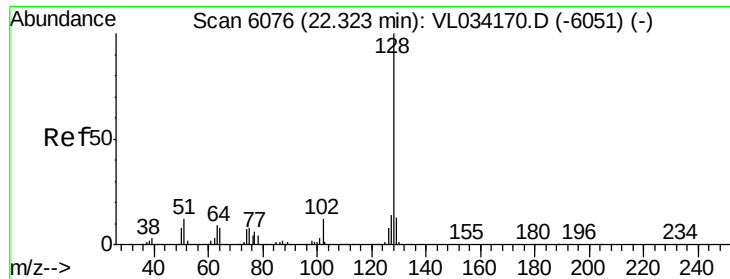
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.089 ppbv
 RT: 23.46 min Scan# 6430
 Delta R.T. -0.01 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Tgt Ion:225 Resp: 1100208
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.7 77.5
 227 63.1 52.1 78.1



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





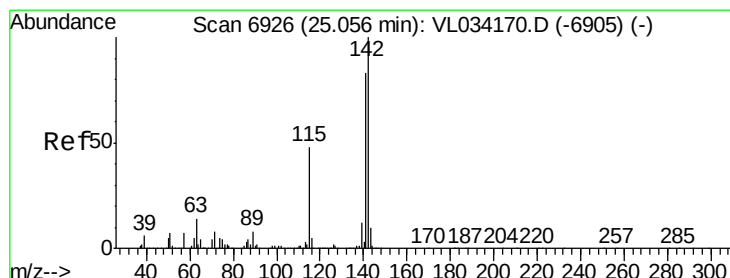
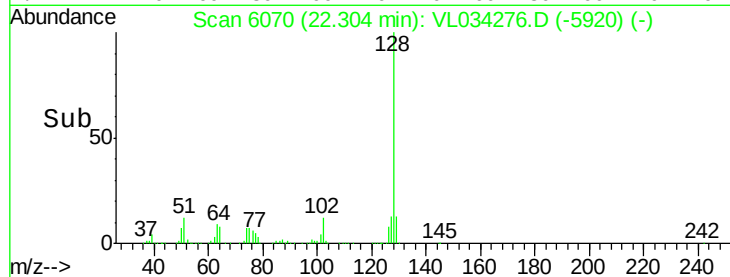
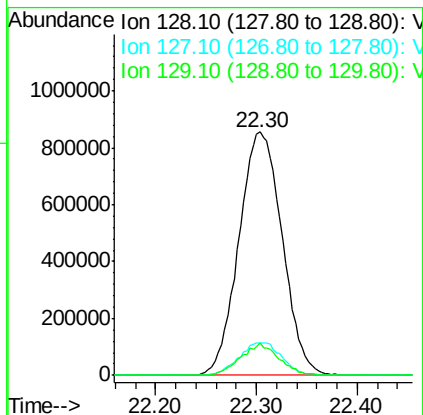
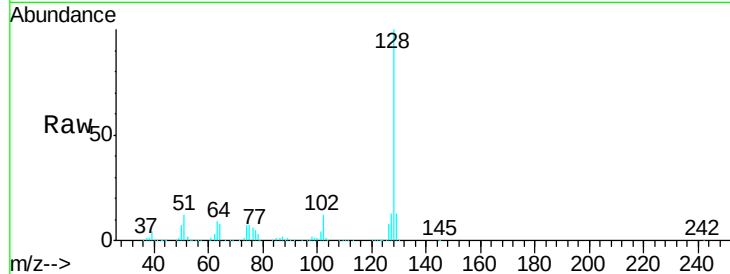
#79
Naphthalene
Concen: 9.534 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. -0.02 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.1	16.7
129	13.1	10.2	15.4

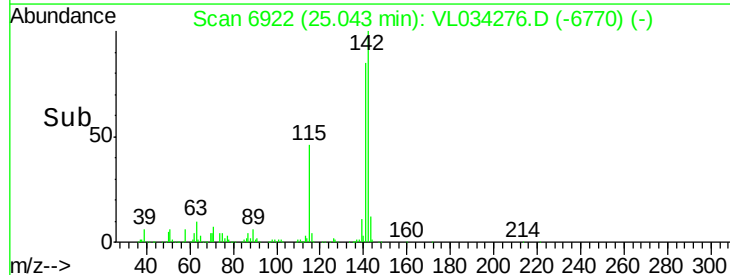
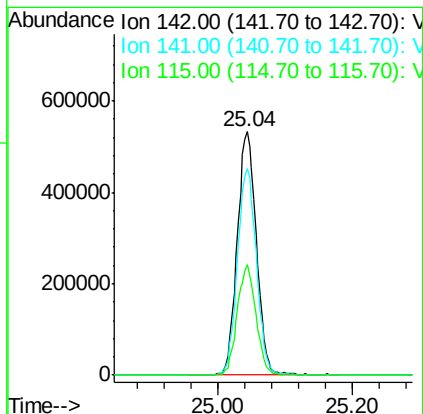
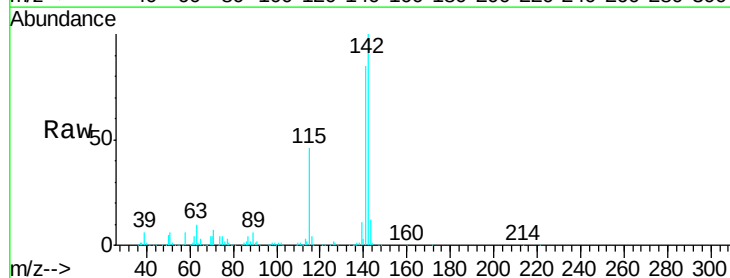
Manual Integrations
APPROVED

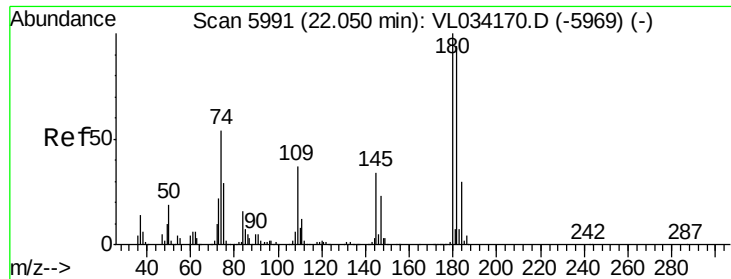
MMDadoda
10/11/2019 5:08:52 PM



#80
Naphthalene, 2-methyl-
Concen: 8.436 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.01 min
Lab File: VL034276.D
Acq: 9 Oct 2019 13:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	44.3	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.442 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034276.D
 Acq: 9 Oct 2019 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.4	116.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:08:52 PM

