

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034682.D
 Acq On : 26 Feb 2020 6:18
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:35 PM

Quant Time: Feb 26 06:50:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1127441	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2371700	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2501020	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2018366	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1755493	10.072	ppbv	97
3) Chlorodifluoromethane	2.95	51	1635730	11.991	ppbv	100
4) Chloromethane	3.11	50	967846	11.778	ppbv	98
5) Vinyl Chloride	3.22	62	920072	12.037	ppbv	95
6) Bromomethane	3.44	94	544772	13.653	ppbv	98
7) Chloroethane	3.53	64	339669	12.088	ppbv	96
8) Dichlorotetrafluoroethane	3.15	85	1956554	11.174	ppbv	100
9) Propene	2.97	41	712440	12.897	ppbv	98
10) Heptane	8.14	43	1981557	13.653	ppbv	100
11) Trichlorofluoromethane	3.93	101	2025107	11.450	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1417265	11.623	ppbv	99
13) Ethanol	3.57	45	185666	10.919	ppbv	98
14) Bromoethene	3.71	108	635963	12.643	ppbv	100
15) Acetone	3.83	43	1615137	10.553	ppbv	99
16) 1,3-Butadiene	3.29	39	851897	13.089	ppbv	99
17) tert-Butyl alcohol	4.28	59	1344923	11.558	ppbv	100
18) 1,1-Dichloroethene	4.27	96	663505	11.918	ppbv	96
19) Isopropyl Alcohol	3.95	45	1069875	10.168	ppbv	99
20) Methylene Chloride	4.33	84	610958	10.903	ppbv	97
21) Allyl Chloride	4.39	41	1202008	12.895	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	670961	12.287	ppbv	96
23) Vinyl Acetate	5.06	43	2586218	13.647	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1885081	11.938	ppbv	99
25) Ethyl Acetate	5.67	43	3144928	11.921	ppbv	99
26) Hexane	5.68	57	1478895	12.623	ppbv	97
27) Carbon Disulfide	4.53	76	1804459	13.557	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1991663	11.773	ppbv	99
29) Chloroform	5.75	83	2221939	11.920	ppbv	100
30) Cyclohexane	7.14	84	1204965	13.439	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1531559	13.484	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2121886	12.428	ppbv	98
34) 2-Butanone	5.24	43	2144979	12.754	ppbv	100
35) Carbon Tetrachloride	7.03	117	2214649	12.261	ppbv	98
36) Benzene	6.90	78	2879151	12.884	ppbv #	96
37) 1,2-Dichloroethane	6.31	62	1820579	12.449	ppbv	99
38) Trichloroethene	7.85	130	1064686	12.551	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1188651	12.925	ppbv	96
40) 1,4-Dioxane	7.84	88	385382	11.219	ppbv	81
41) Tetrahydrofuran	6.05	42	1211925	13.769	ppbv	100
42) Bromodichloromethane	7.81	83	2414726	12.729	ppbv	100
43) Methyl Methacrylate	8.03	69	1373862	15.683	ppbv	99

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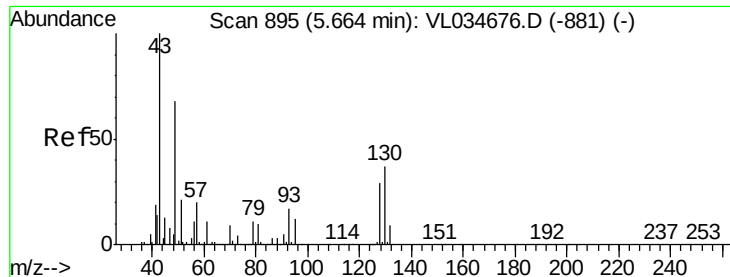
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4885884	12.162	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1640611	16.000	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1874985	15.633	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1196517	12.313	ppbv	97
48) Dibromochloromethane	10.33	129	1993864	13.364	ppbv	99
49) Bromoform	13.08	173	1747412	13.394	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	3229899	13.523	ppbv	99
51) 2-Hexanone	10.16	43	2705485	14.359	ppbv #	100
52) Tetrachloroethene	11.26	164	993933	12.605	ppbv	98
53) Toluene	9.83	91	3318515	13.808	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1830471	13.523	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1436665	13.137	ppbv	99
57) Chlorobenzene	12.18	112	2417785	11.698	ppbv	98
58) Ethyl Benzene	12.74	91	4367156	13.125	ppbv	98
59) m/p-Xylene	13.03	91	7179212m	24.594	ppbv	
60) o-Xylene	13.73	91	3538193	12.134	ppbv	99
61) Styrene	13.56	104	2641042	13.256	ppbv	99
62) Isopropylbenzene	14.71	105	5103702	13.212	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	2558979	11.051	ppbv	99
64) n-propylbenzene	15.60	120	1408818	14.369	ppbv	93
65) tert-Butylbenzene	16.79	119	4392376	13.041	ppbv	99
66) Benzyl Chloride	17.04	91	2172782	16.713	ppbv	99
67) sec-Butylbenzene	17.34	105	6257751	13.009	ppbv	98
69) p-Isopropyltoluene	17.70	119	5206904	13.620	ppbv	98
70) n-Butylbenzene	18.60	91	5621970	13.740	ppbv	97
71) 2-Chlorotoluene	15.49	91	4094158	13.824	ppbv	98
72) 4-Ethyltoluene	15.88	105	4198364	13.045	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3935085	12.893	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3950654	12.012	ppbv	91
75) 1,3-Dichlorobenzene	17.05	146	2330751	12.072	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	2373310	12.455	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2284921	12.285	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1839425	12.080	ppbv	99
79) Naphthalene	22.26	128	3968273	15.858	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1514756	28.719	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	2225163	14.562	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1127441

Ion Ratio Lower Upper

49 100

128 42.7 21.6 65.0

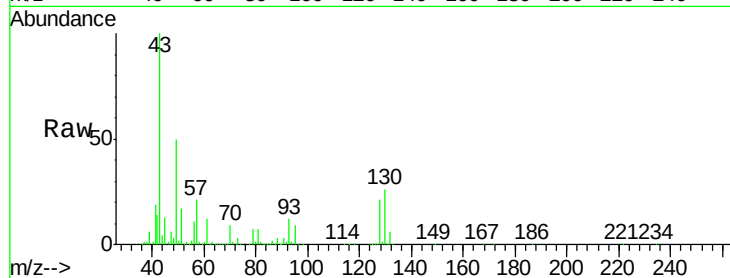
130 53.6 27.7 83.1

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

400000

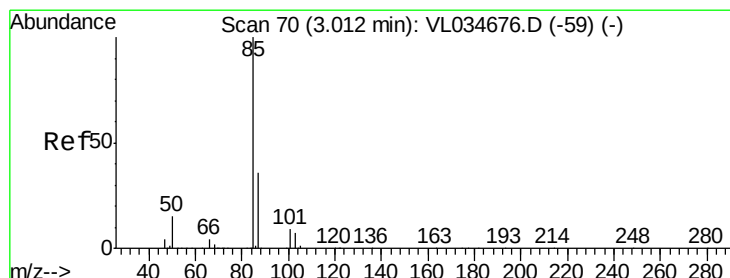
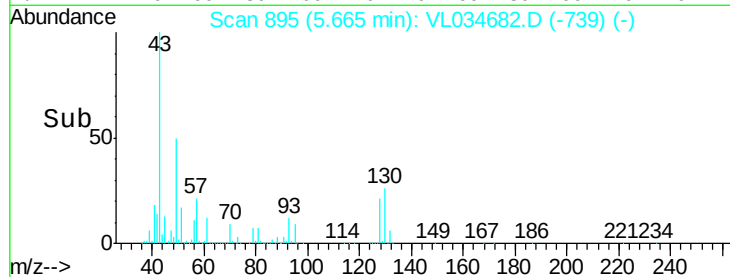
200000

0

5.66

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 10.072 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034682.D

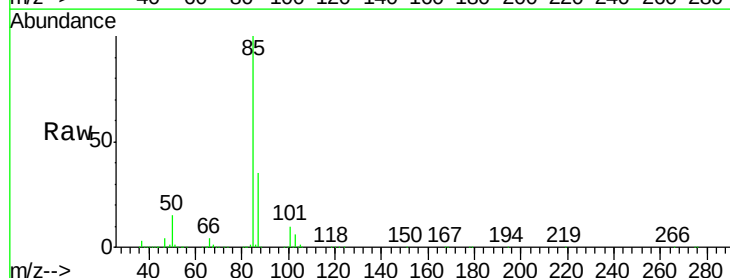
Acq: 26 Feb 2020 6:18

Tgt Ion: 85 Resp: 1755493

Ion Ratio Lower Upper

85 100

87 34.6 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

1000000

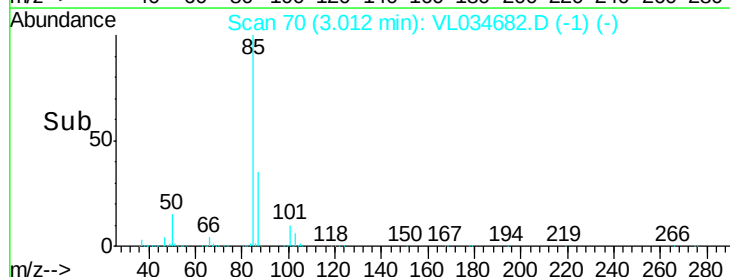
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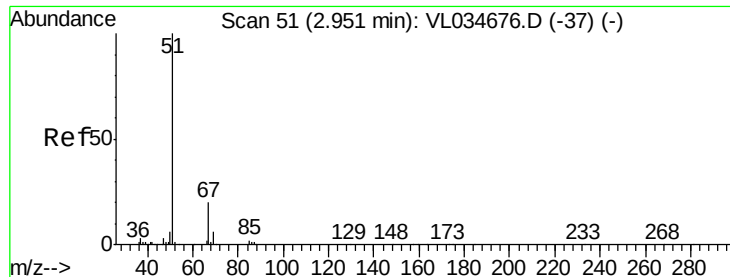
0

3.01

2.95 3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 11.991 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tot Ion: 51 Resp: 1635730

Ion Ratio Lower Upper

51 100

67 19.5 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

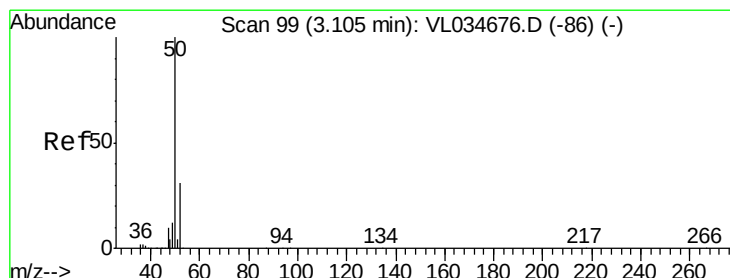
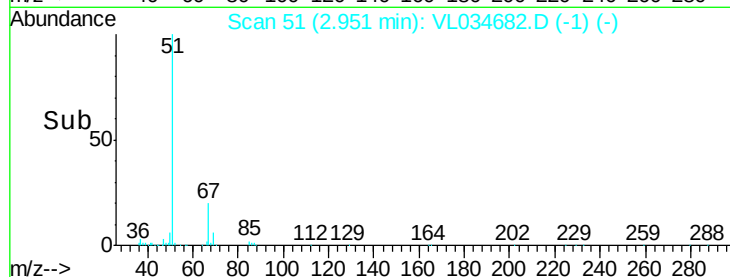
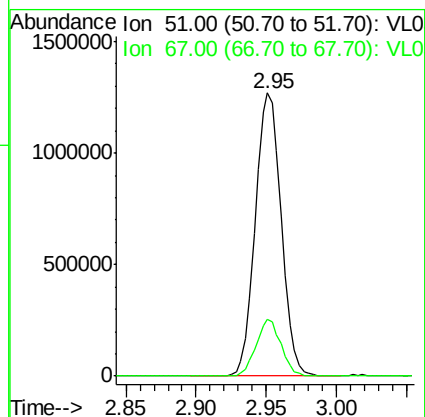
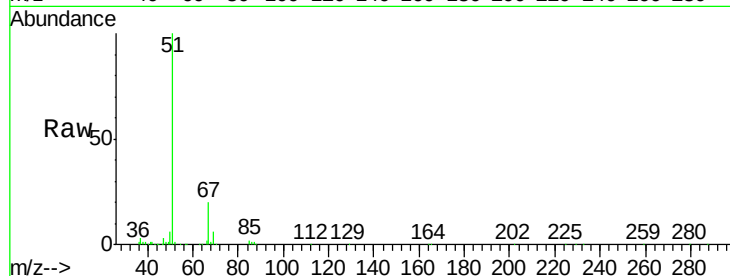
VSTDIC015

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#4

Chloromethane

Concen: 11.778 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034682.D

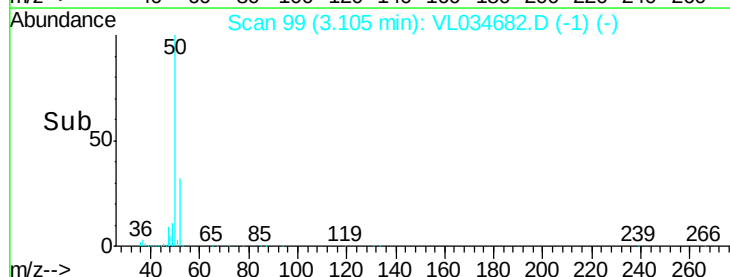
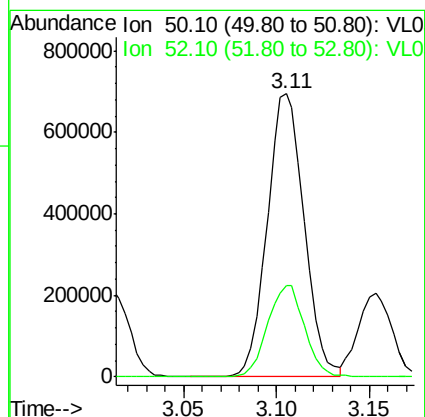
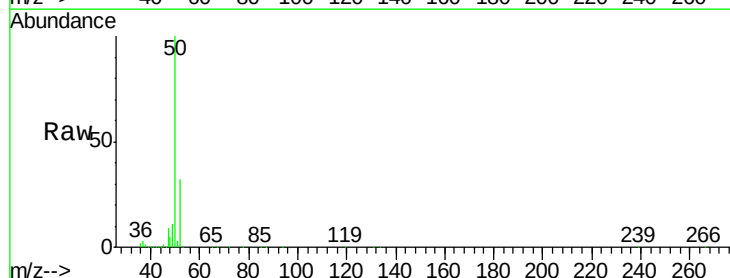
Acq: 26 Feb 2020 6:18

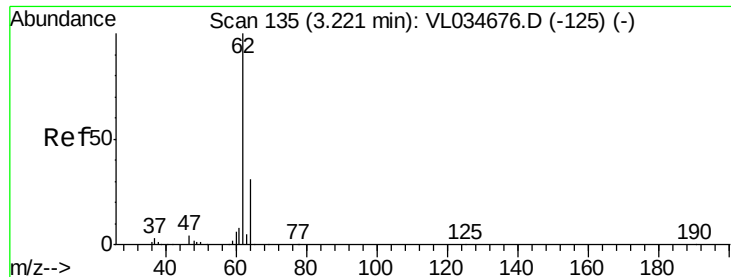
Tgt Ion: 50 Resp: 967846

Ion Ratio Lower Upper

50 100

52 32.3 25.0 37.4





#5

Vinyl Chloride

Concen: 12.037 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 920072

Ion Ratio Lower Upper

62 100

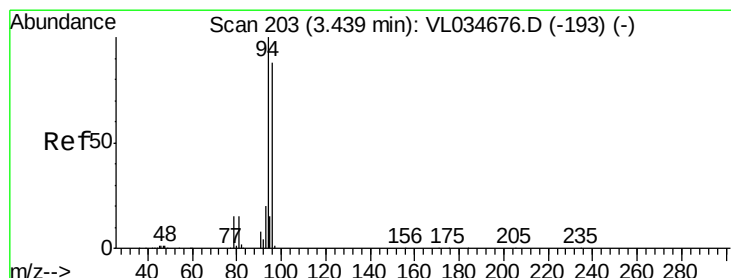
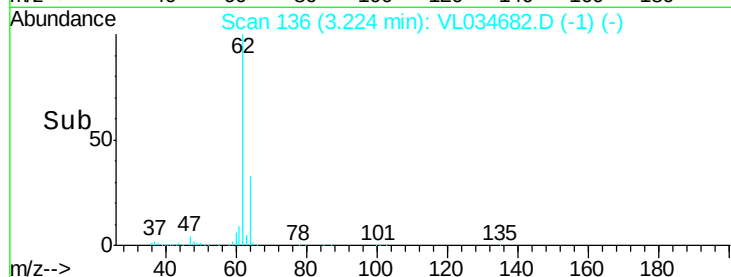
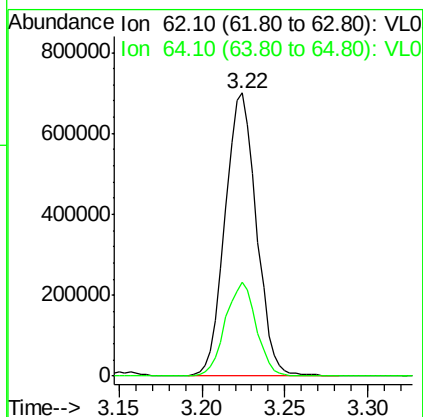
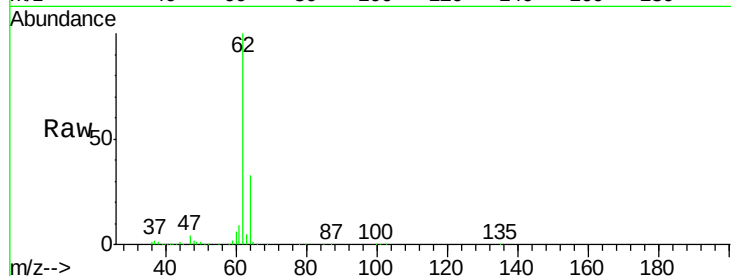
64 33.4 24.7 37.1

Manual Integrations

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#6

Bromomethane

Concen: 13.653 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034682.D

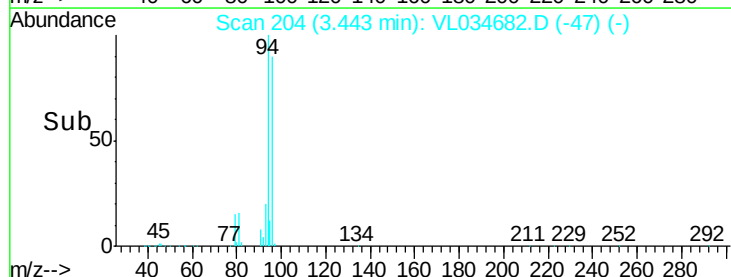
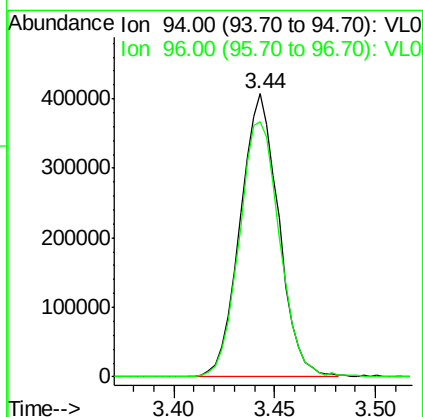
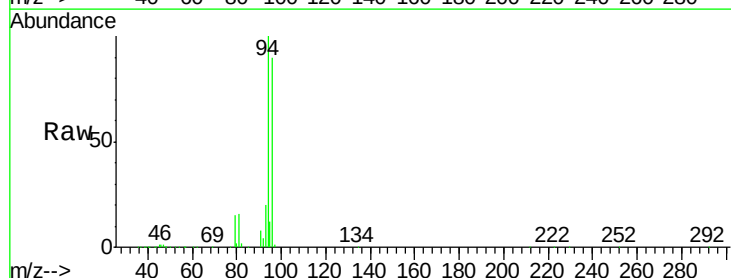
Acq: 26 Feb 2020 6:18

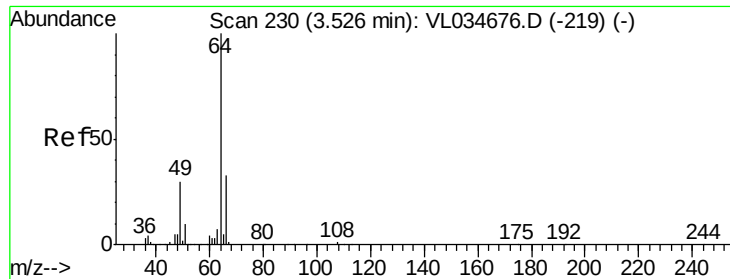
Tgt Ion: 94 Resp: 544772

Ion Ratio Lower Upper

94 100

96 90.3 70.5 105.7





#7

Chloroethane

Concen: 12.088 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 339669

Ion Ratio Lower Upper

64 100

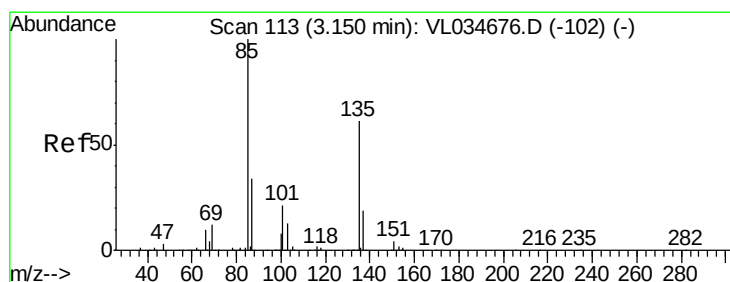
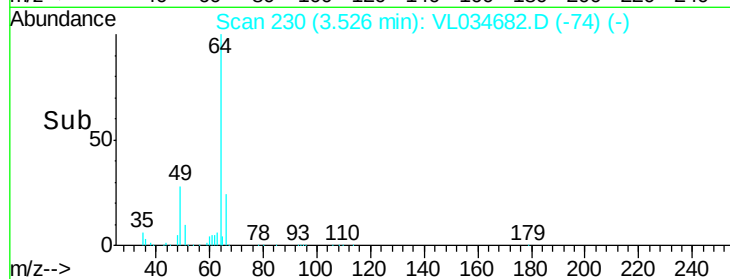
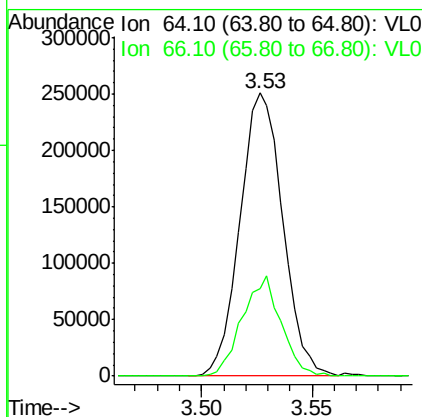
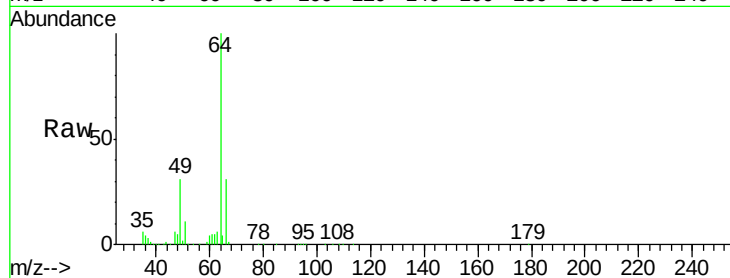
66 31.2 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 11.174 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034682.D

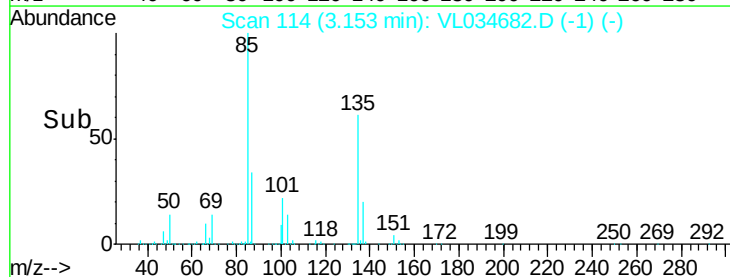
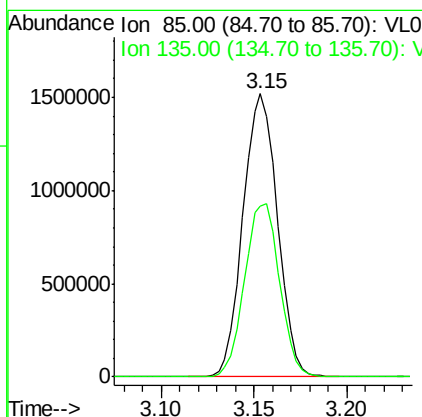
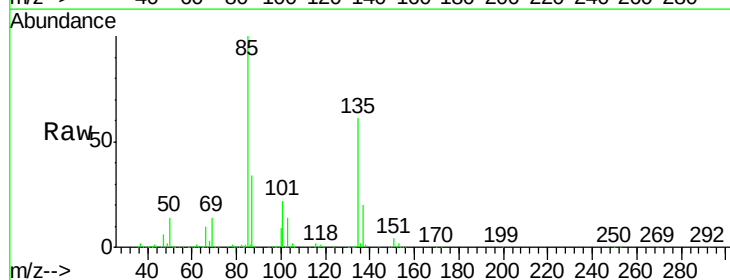
Acq: 26 Feb 2020 6:18

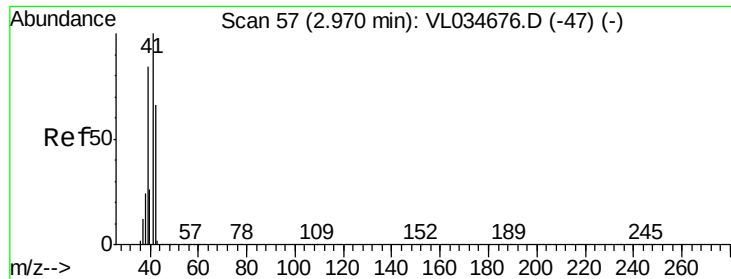
Tgt Ion: 85 Resp: 1956554

Ion Ratio Lower Upper

85 100

135 62.4 49.8 74.6





#9

Propene

Concen: 12.897 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

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Tot Ion: 41 Resp: 712440

Ion Ratio Lower Upper

41 100

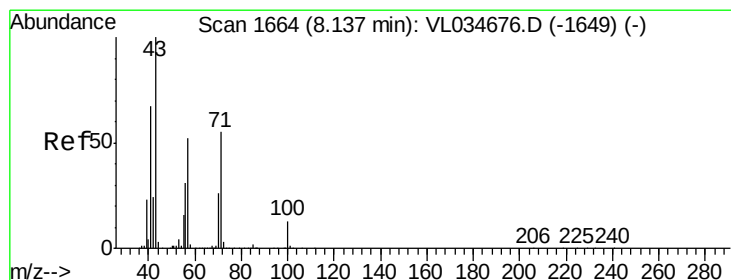
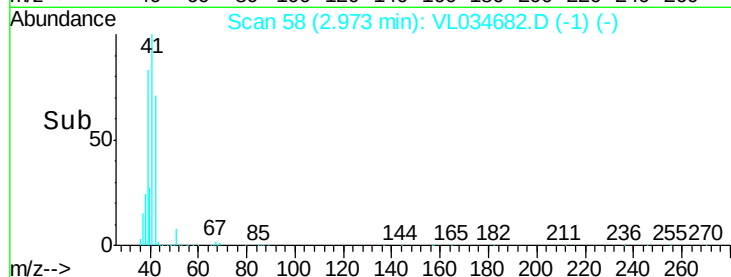
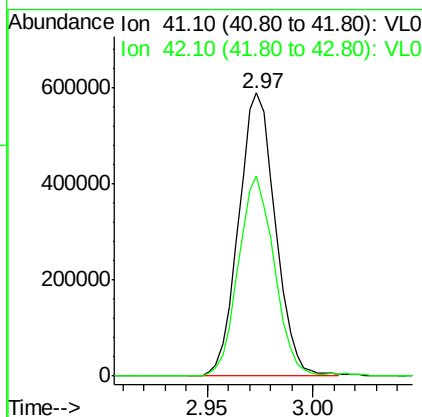
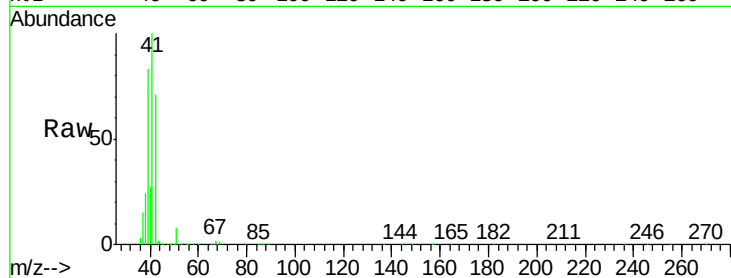
42 69.9 54.9 82.3

Manual Integrations

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#10

Heptane

Concen: 13.653 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034682.D

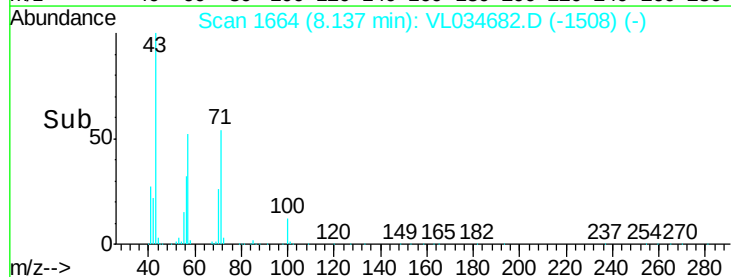
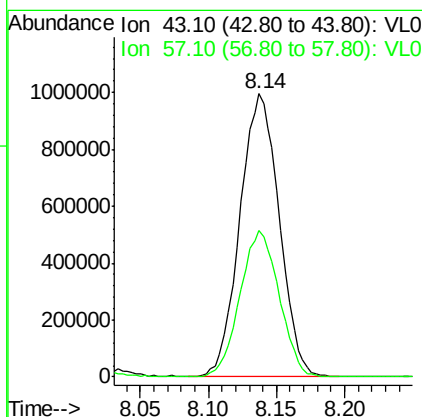
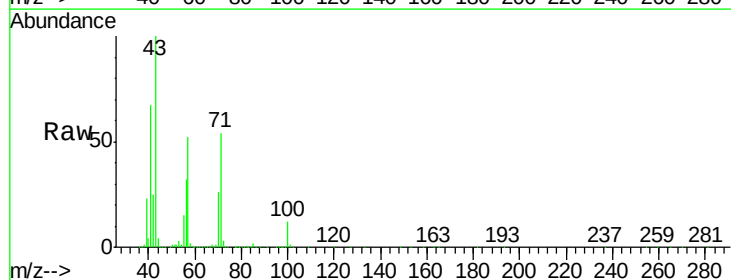
Acq: 26 Feb 2020 6:18

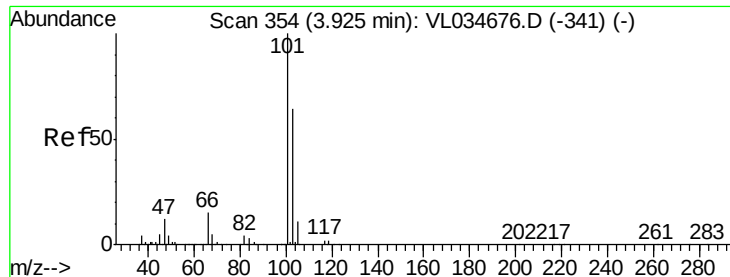
Tgt Ion: 43 Resp: 1981557

Ion Ratio Lower Upper

43 100

57 51.5 41.0 61.6





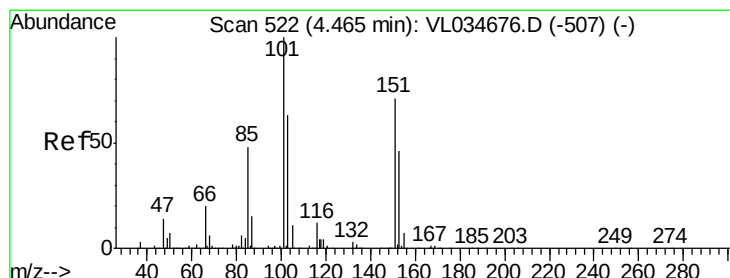
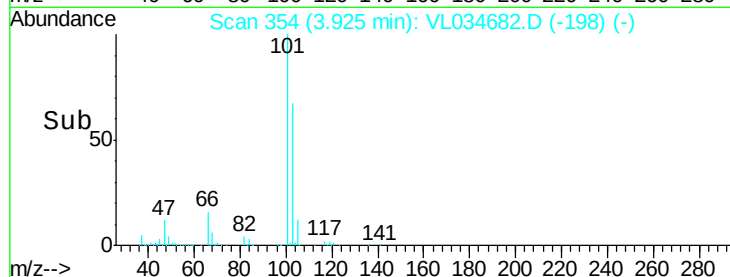
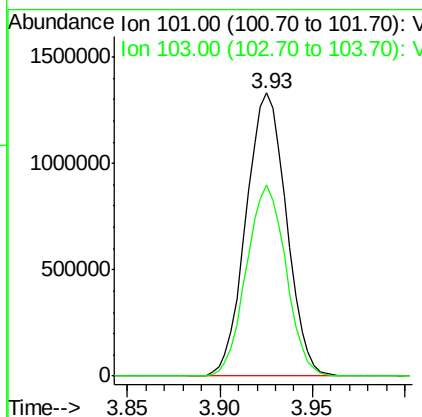
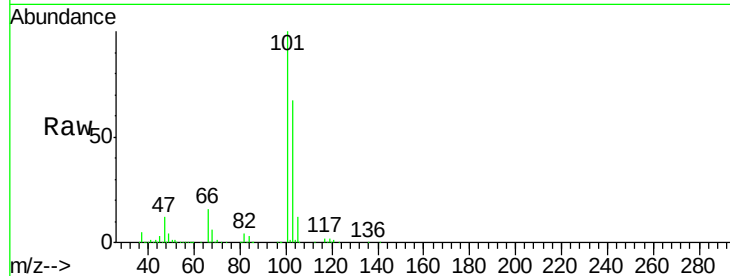
#11
 Trichlorofluoromethane
 Concen: 11.450 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2025107
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.2 76.8

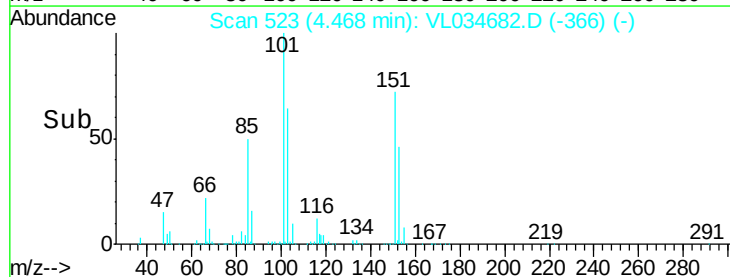
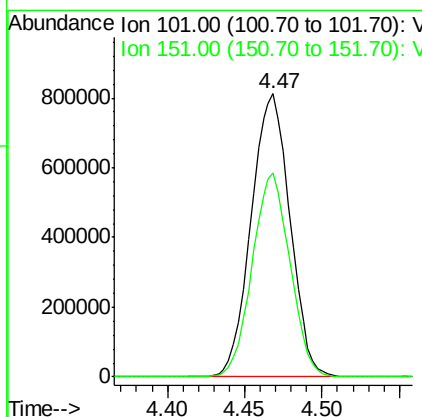
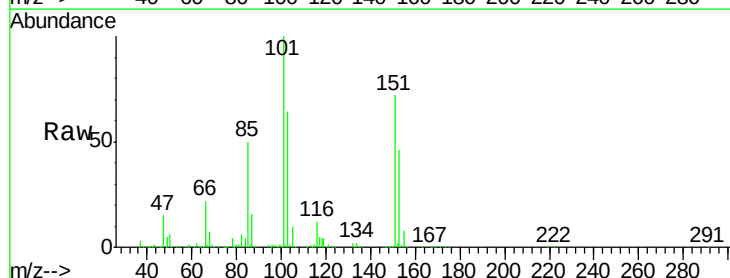
Manual Integrations
 APPROVED

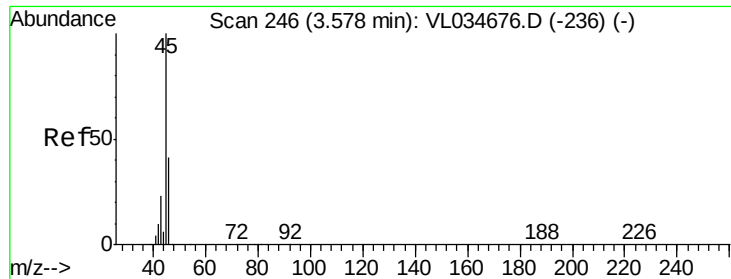
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.623 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion:101 Resp: 1417265
 Ion Ratio Lower Upper
 101 100
 151 70.2 55.8 83.6





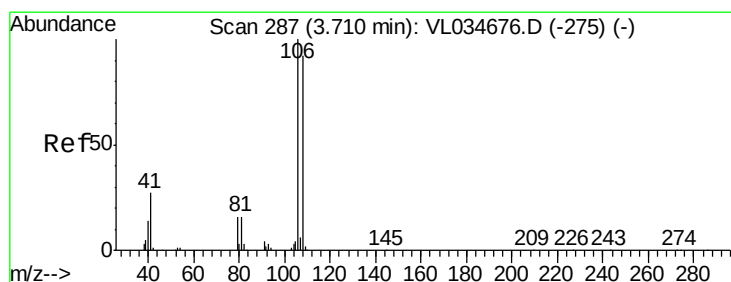
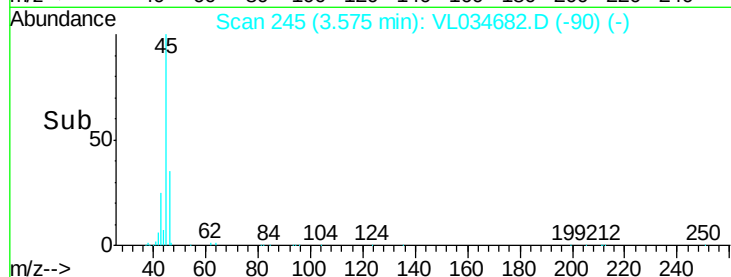
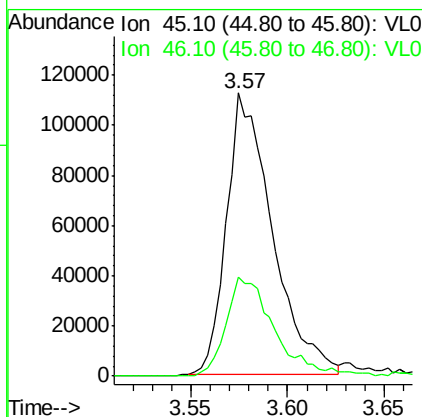
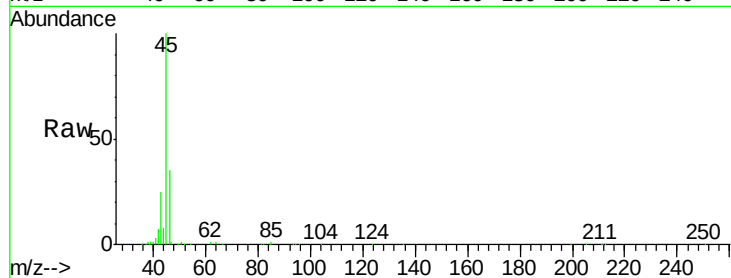
#13
Ethanol
Concen: 10.919 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 45 Resp: 185666
Ion Ratio Lower Upper
45 100
46 37.1 15.4 61.4

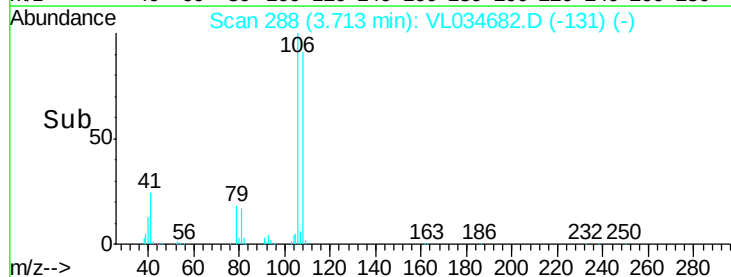
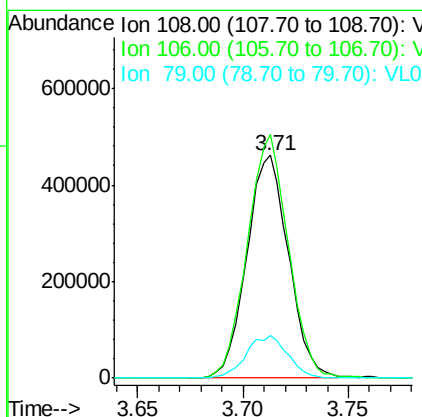
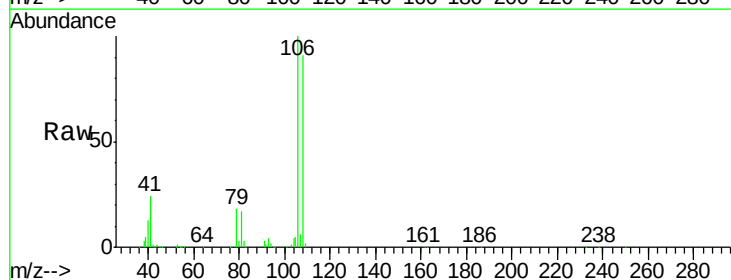
Manual Integrations
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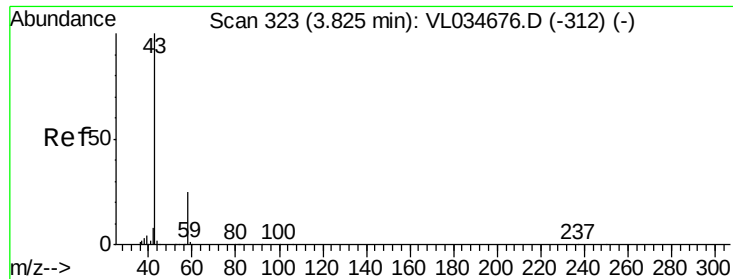
MMDadoda
2/27/2020 5:19:35 PM



#14
Bromoethene
Concen: 12.643 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 108 Resp: 635963
Ion Ratio Lower Upper
108 100
106 108.1 86.7 130.1
79 19.4 15.0 22.6





#15

Acetone

Concen: 10.553 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1615137

Ion Ratio Lower Upper

43 100

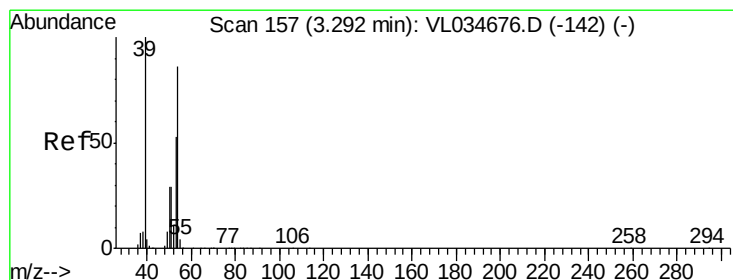
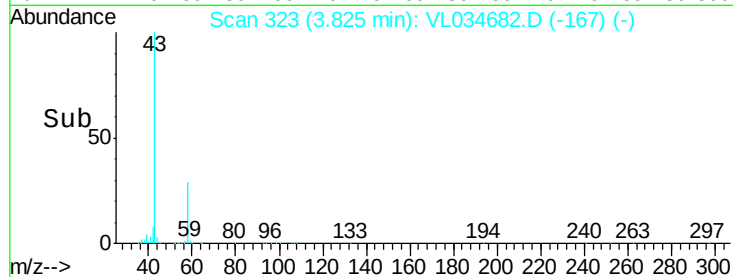
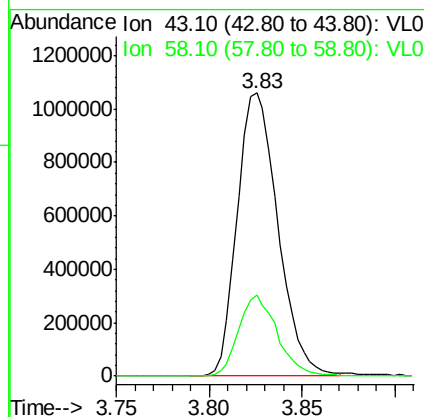
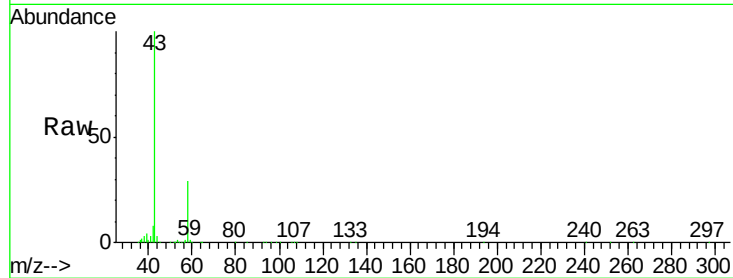
58 27.4 21.4 32.0

Manual Integrations

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#16

1,3-Butadiene

Concen: 13.089 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034682.D

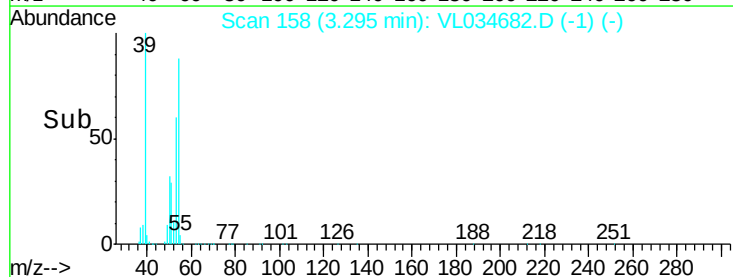
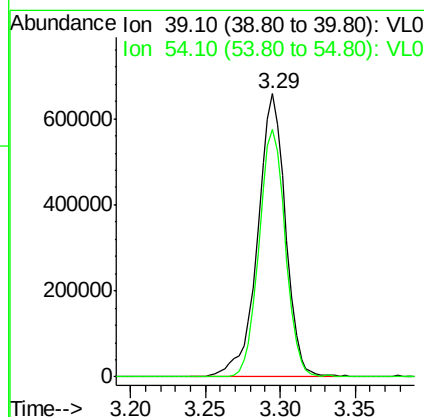
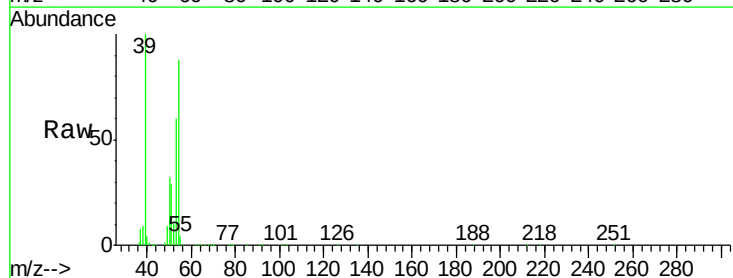
Acq: 26 Feb 2020 6:18

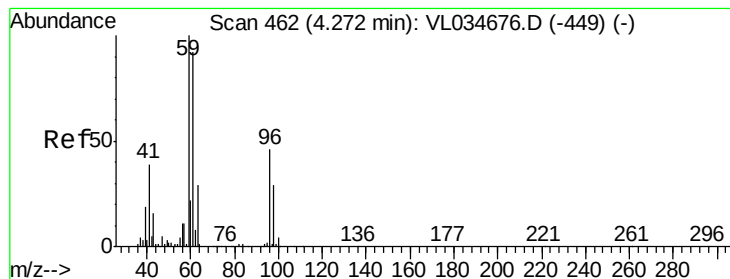
Tgt Ion: 39 Resp: 851897

Ion Ratio Lower Upper

39 100

54 83.2 67.0 100.6





#17

tert-Butyl alcohol

Concen: 11.558 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tot Ion: 59 Resp: 1344923

Ion Ratio Lower Upper

59 100

57 10.9 8.8 13.2

Instrument :

MSVOA_L

ClientSampleId :

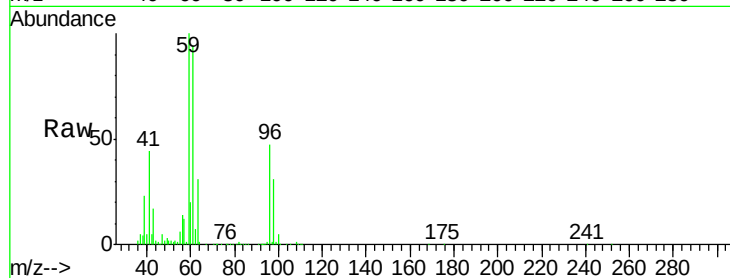
VSTDIC015

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

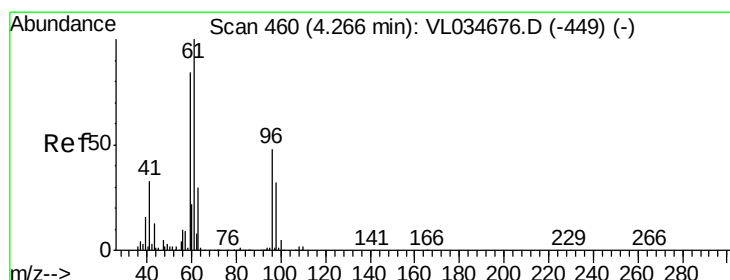
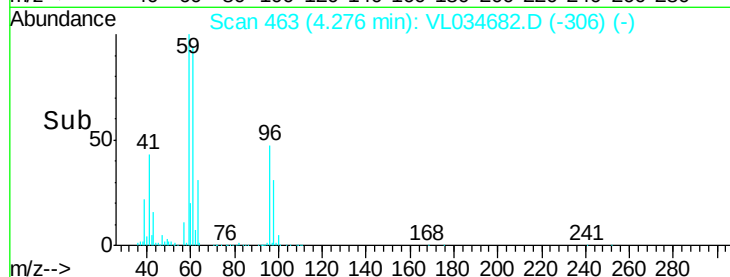
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.918 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

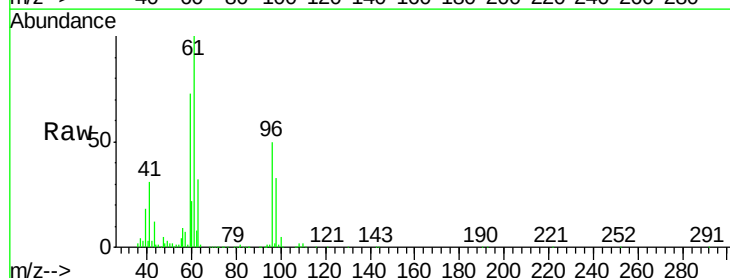
Tgt Ion: 96 Resp: 663505

Ion Ratio Lower Upper

96 100

61 199.6 165.1 247.7

98 65.1 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1200000

1000000

800000

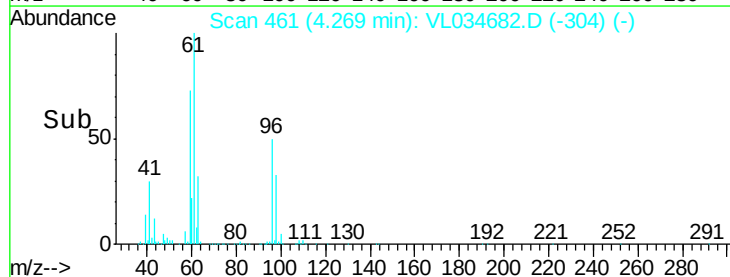
600000

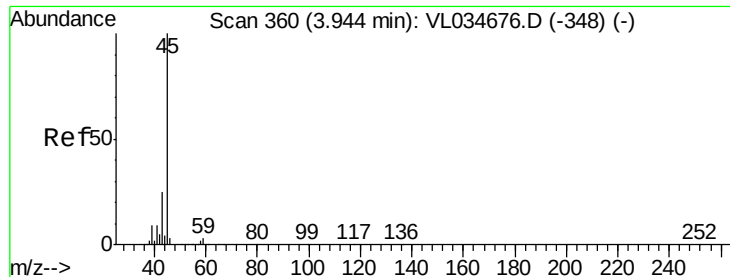
400000

200000

0

Time-->





#19

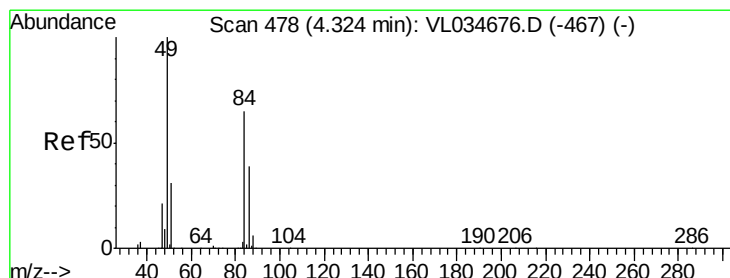
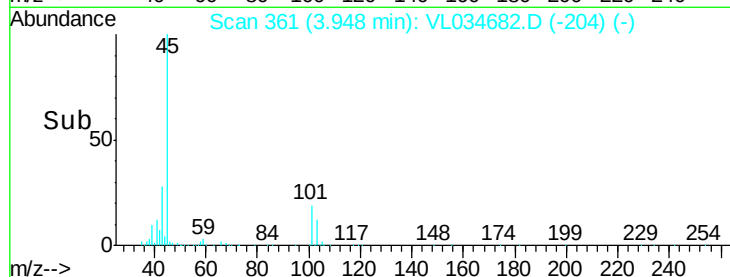
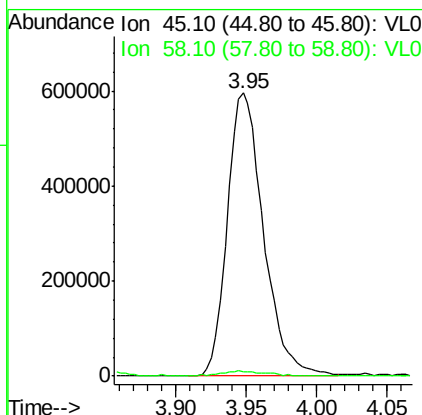
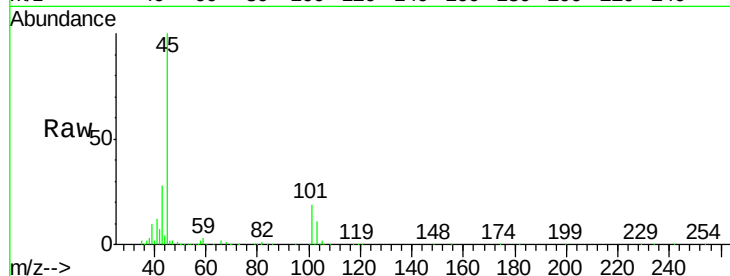
Isopropyl Alcohol
 Concen: 10.168 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1069875
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.8 2.6

Manual Integrations
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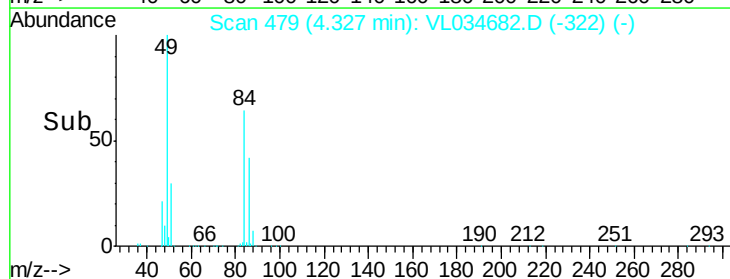
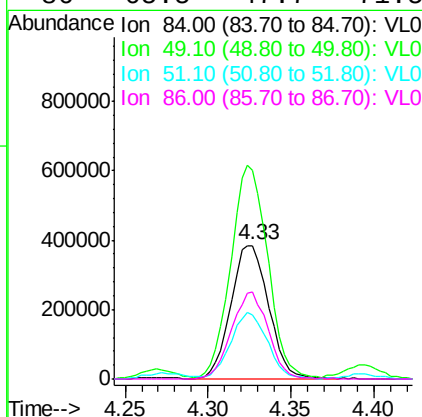
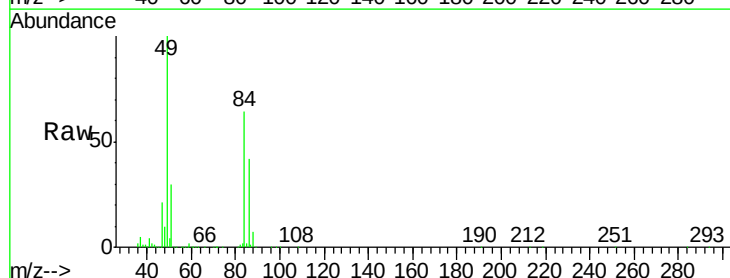
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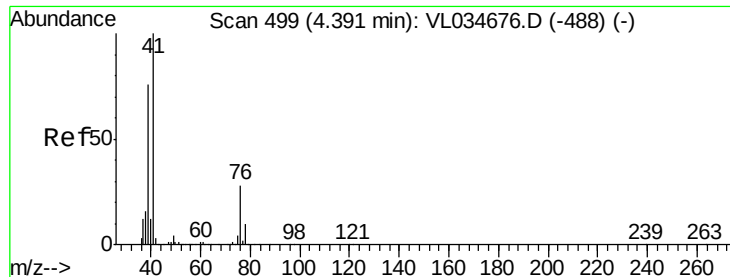


#20

Methylene Chloride
 Concen: 10.903 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion: 84 Resp: 610958
 Ion Ratio Lower Upper
 84 100
 49 154.8 122.8 184.2
 51 46.6 38.6 58.0
 86 65.5 47.7 71.5





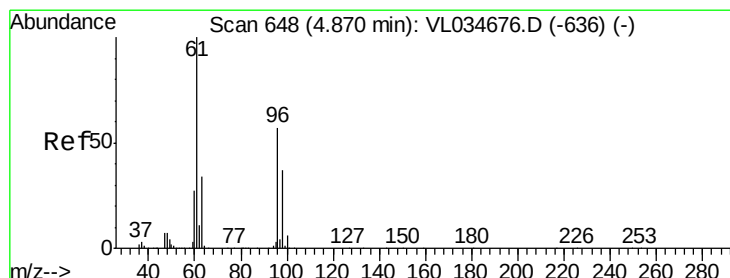
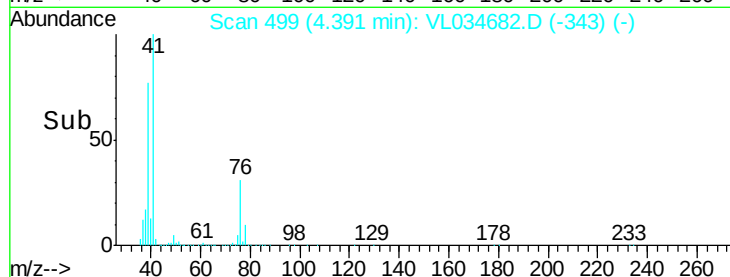
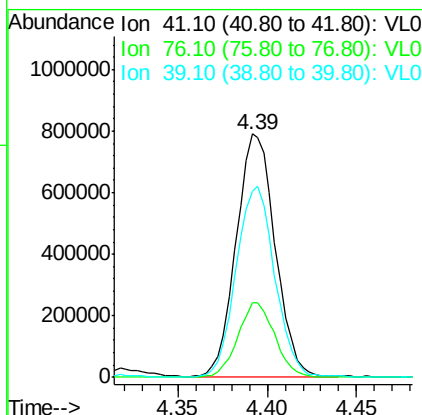
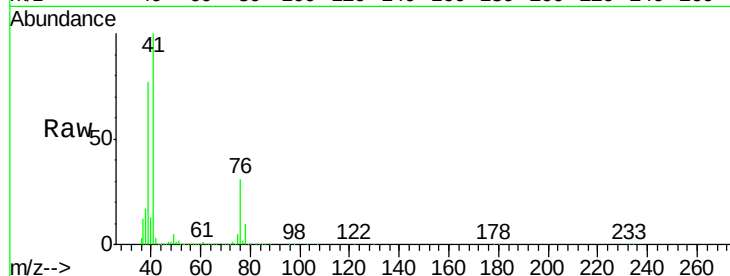
#21
Allvl Chloride
Concen: 12.895 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	22.8	34.2
39	78.6	61.7	92.5

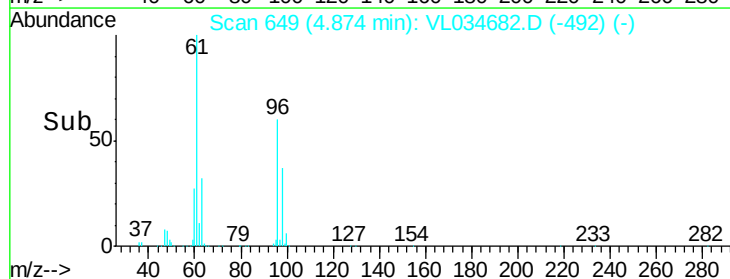
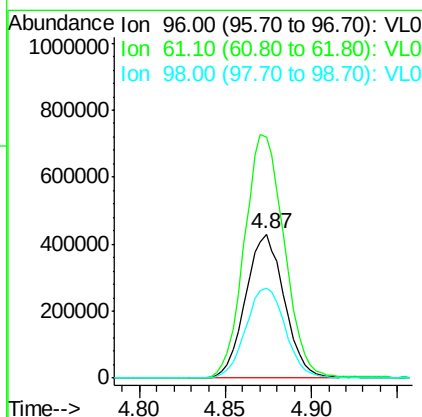
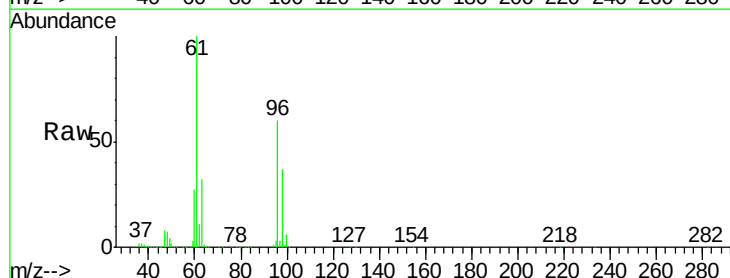
Manual Integrations
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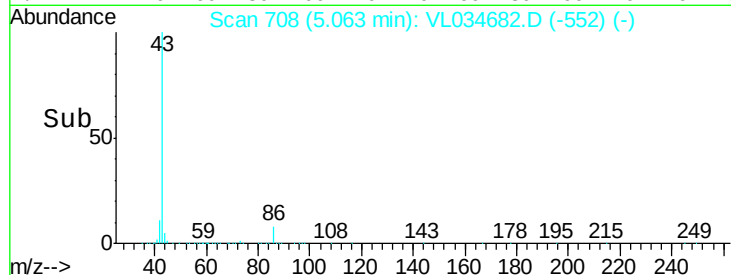
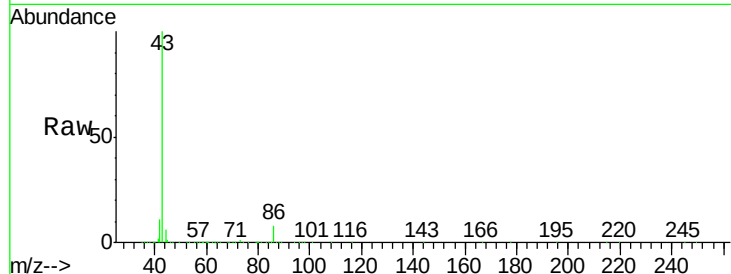
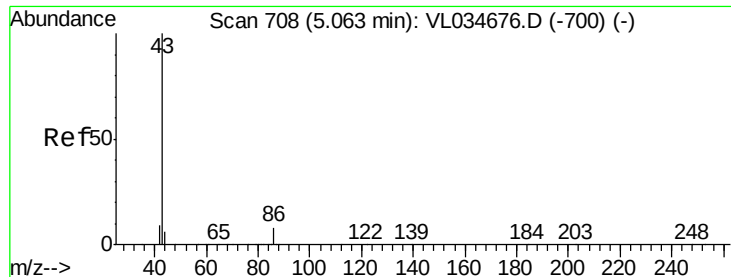
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#22
trans-1,2-Dichloroethene
Concen: 12.287 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	139.4	209.0
98	62.2	51.3	76.9





#23

Vinyl Acetate

Concen: 13.647 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tot Ion: 43 Resp: 2586218

Ion Ratio Lower Upper

43 100

86 7.7 6.0 9.0

42 10.9 8.0 12.0

44 5.4 4.5 6.7

Instrument :

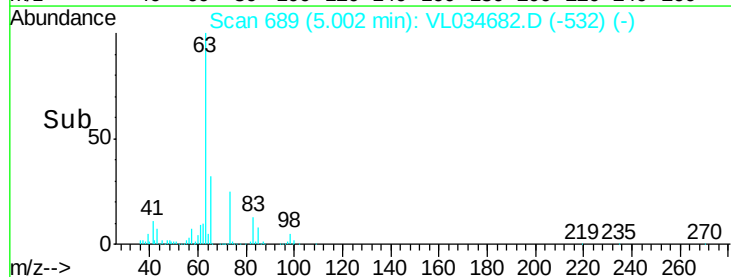
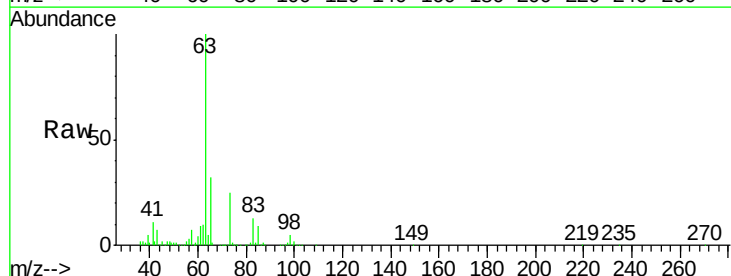
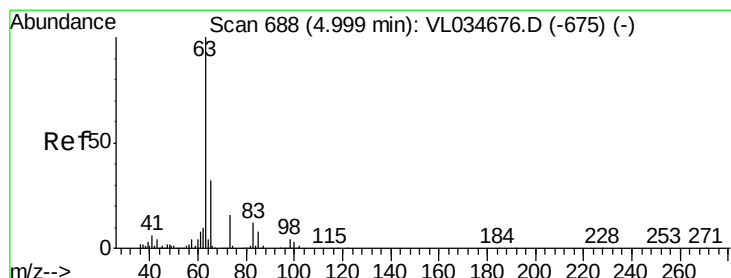
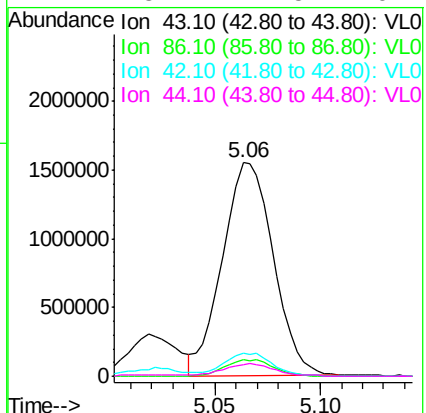
MSVOA_L

ClientSampleId :

VSTDIC015

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#24

1,1-Dichloroethane

Concen: 11.938 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

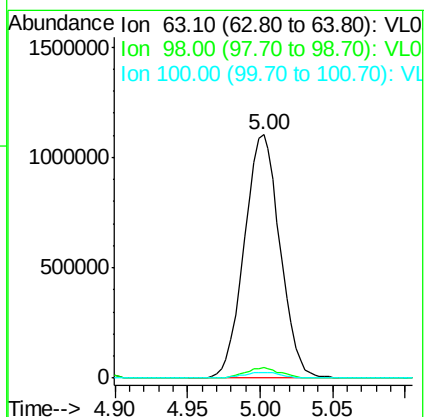
Tgt Ion: 63 Resp: 1885081

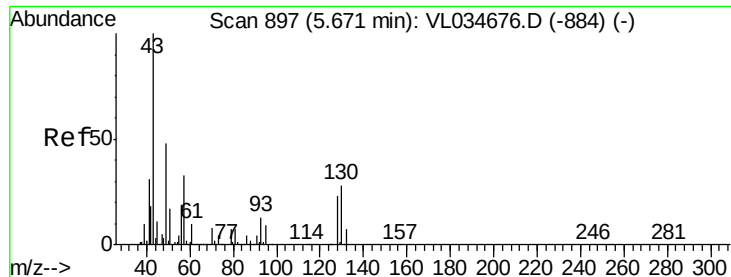
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

100 2.2 1.4 4.0





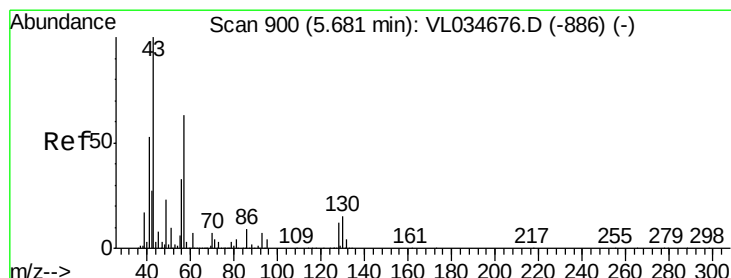
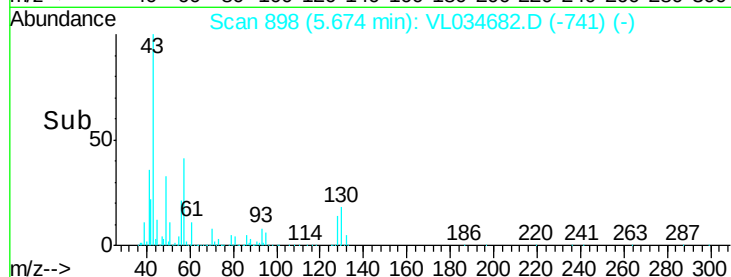
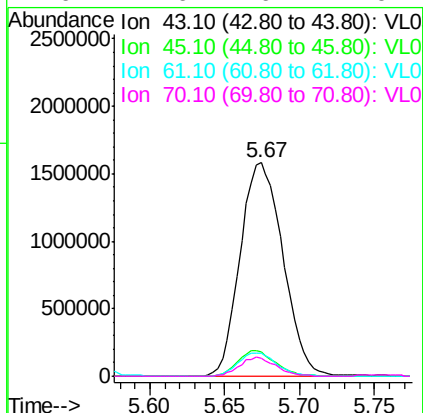
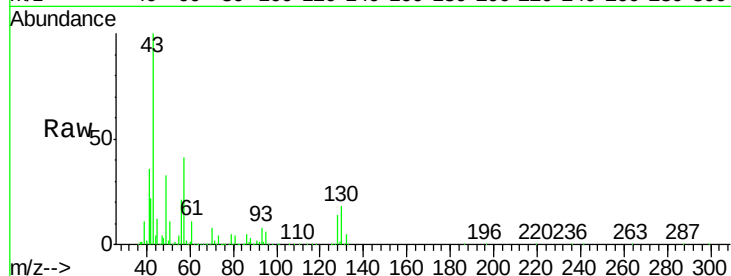
#25
Ethyl Acetate
Concen: 11.921 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.4
61	10.1	7.8	11.6
70	7.6	6.1	9.1

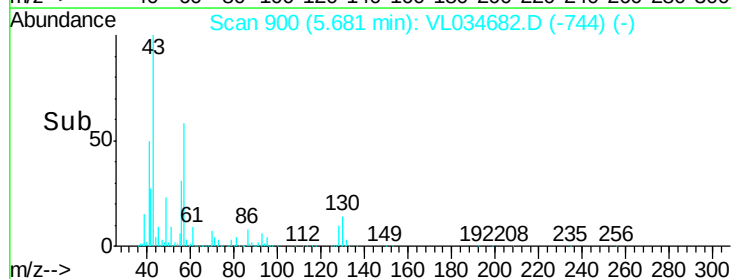
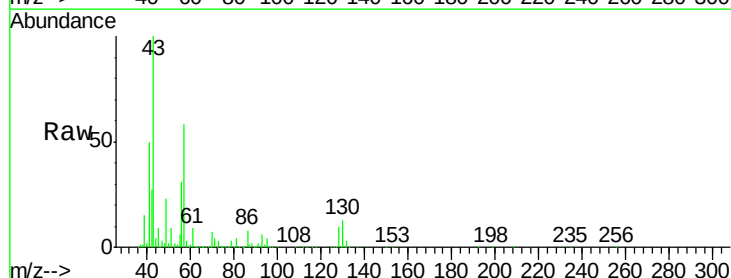
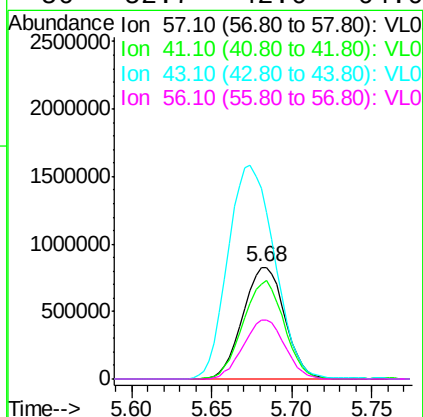
Manual Integrations
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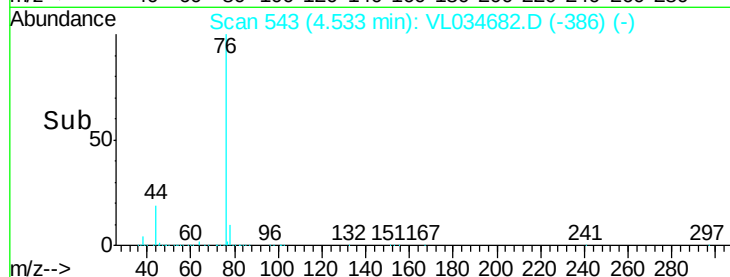
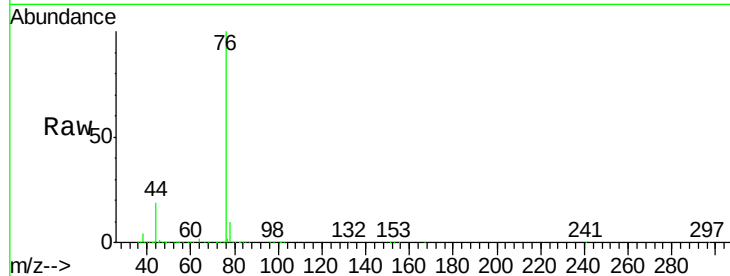
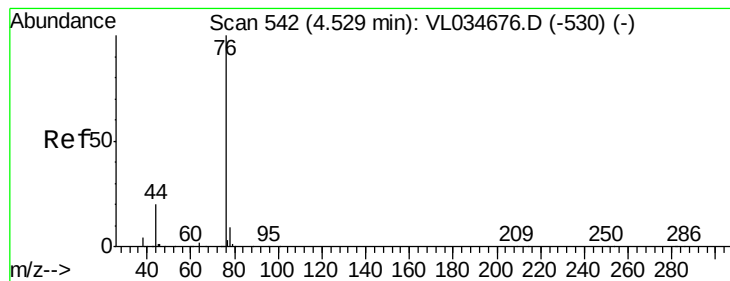
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#26
Hexane
Concen: 12.623 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.2	70.3	105.5
43	214.2	177.0	265.4
56	52.7	42.6	64.0





#27

Carbon Disulfide

Concen: 13.557 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tot Ion: 76 Resp: 1804459

Ion Ratio Lower Upper

76 100

44 19.1 15.3 22.9

78 9.8 7.6 11.4

Instrument :

MSVOA_L

ClientSampleId :

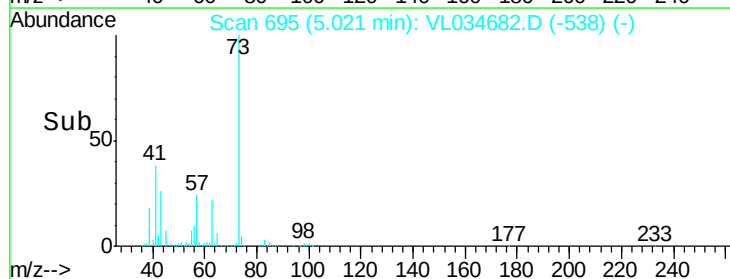
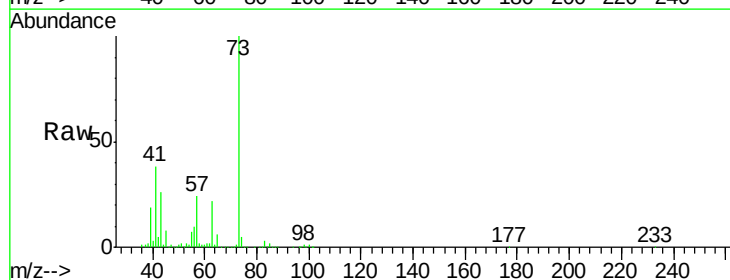
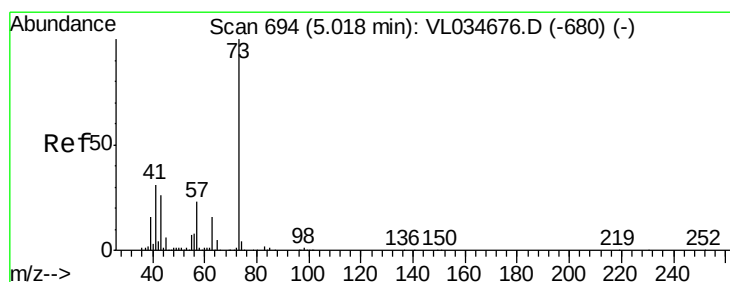
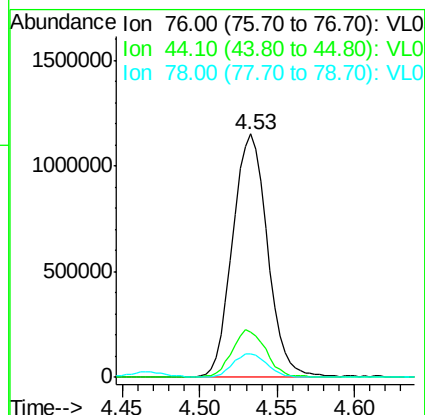
VSTDIC015

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 11.773 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL034682.D

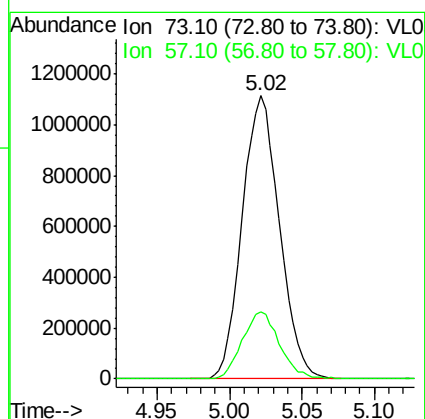
Acq: 26 Feb 2020 6:18

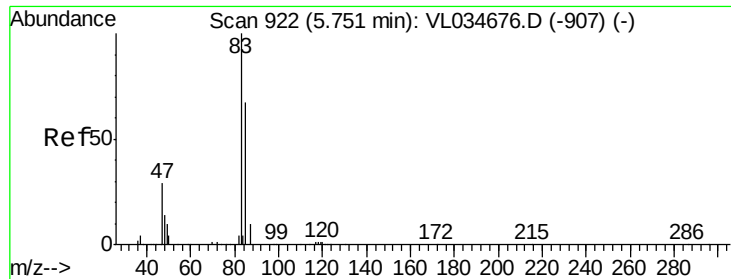
Tgt Ion: 73 Resp: 1991663

Ion Ratio Lower Upper

73 100

57 23.8 18.6 28.0





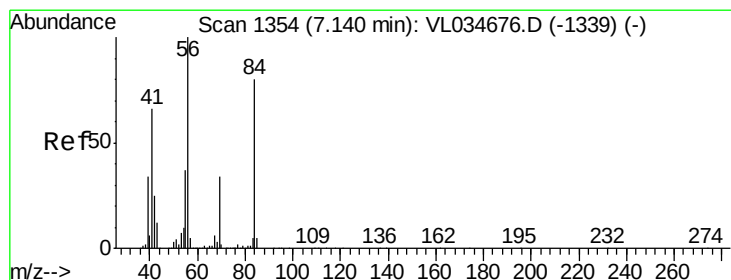
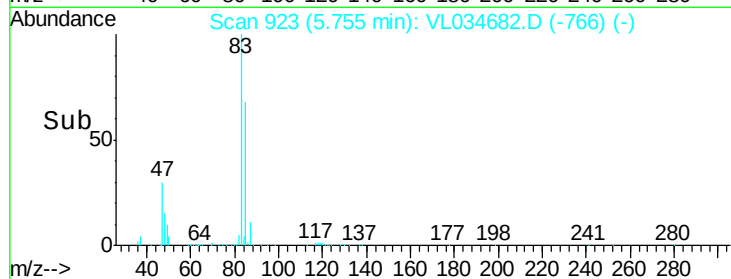
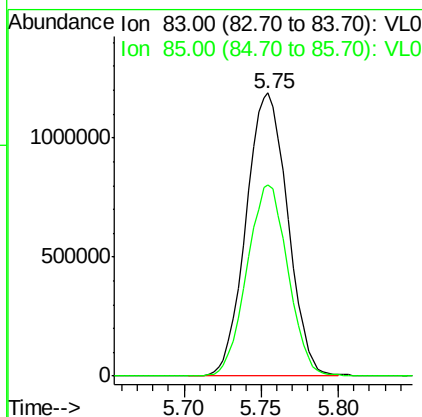
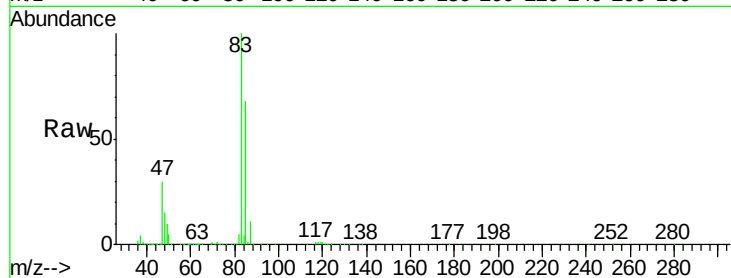
#29
Chloroform
Concen: 11.920 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2221939
Ion Ratio Lower Upper
83 100
85 67.4 53.9 80.9

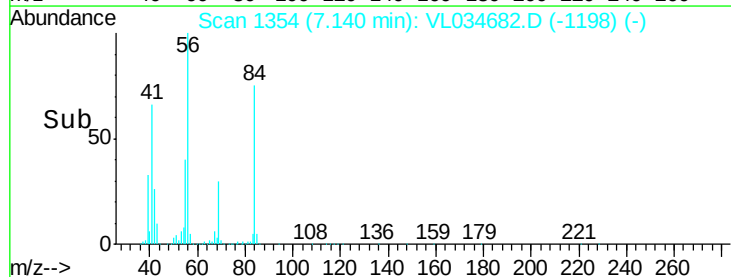
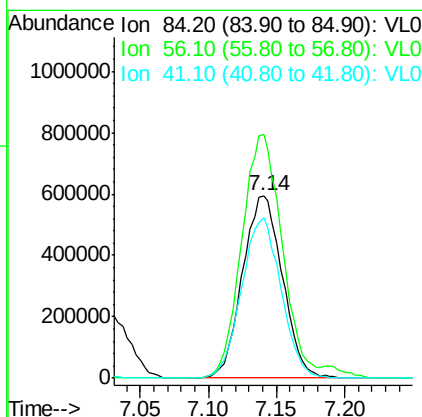
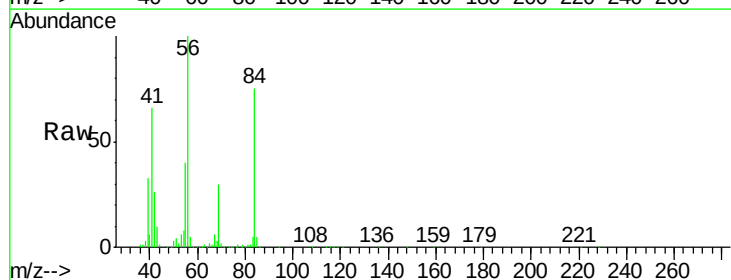
Manual Integrations
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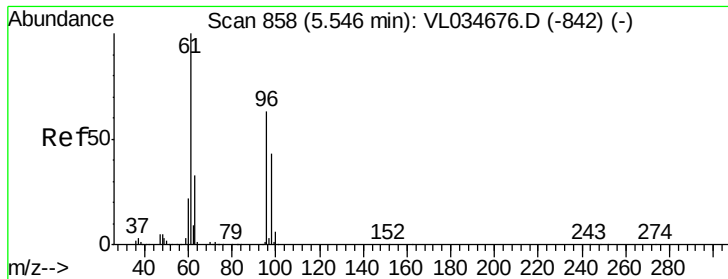
MMDadoda
2/27/2020 5:19:35 PM



#30
Cyclohexane
Concen: 13.439 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 84 Resp: 1204965
Ion Ratio Lower Upper
84 100
56 139.5 113.4 170.2
41 87.1 68.2 102.4





#31

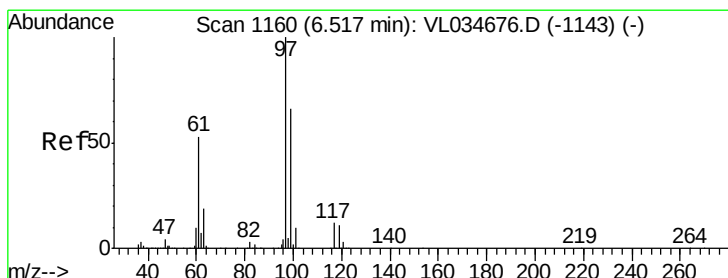
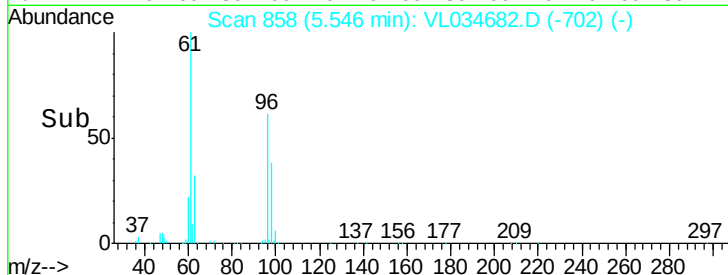
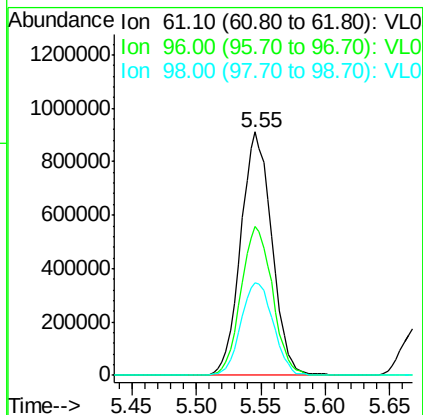
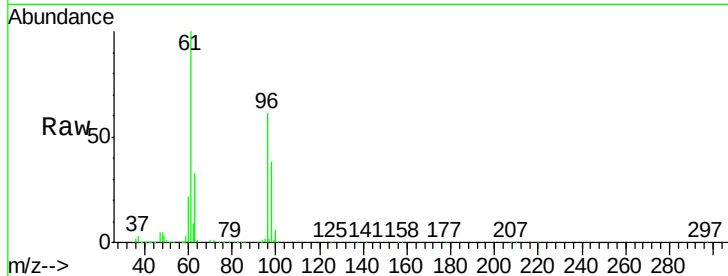
cis-1,2-Dichloroethene
 Concen: 13.484 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.2	50.2	75.2
98	38.0	34.3	51.5

Manual Integrations
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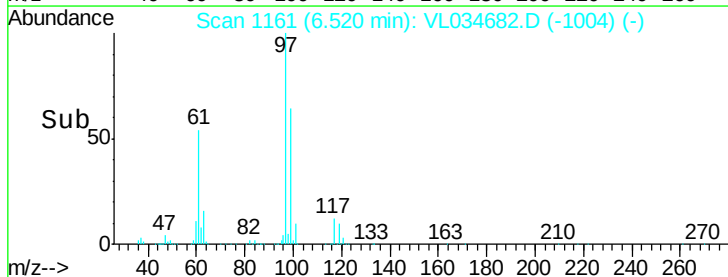
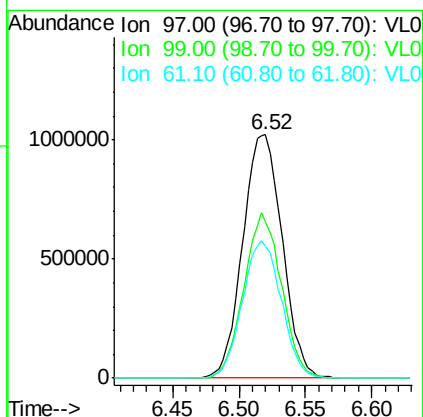
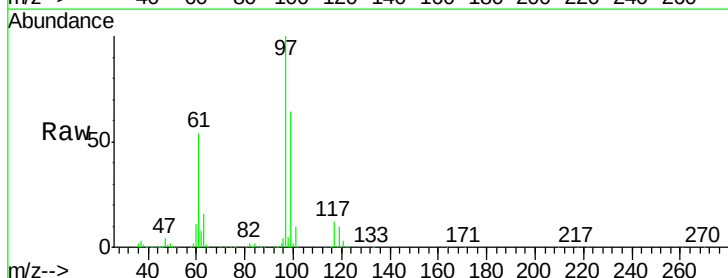
MMDadoda
 2/27/2020 5:19:35 PM

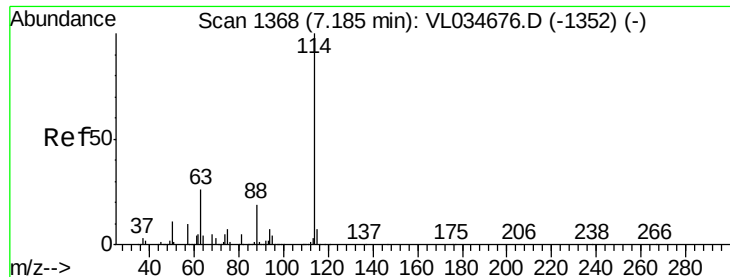


#32

1,1,1-Trichloroethane
 Concen: 12.428 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	55.7	42.8	64.2





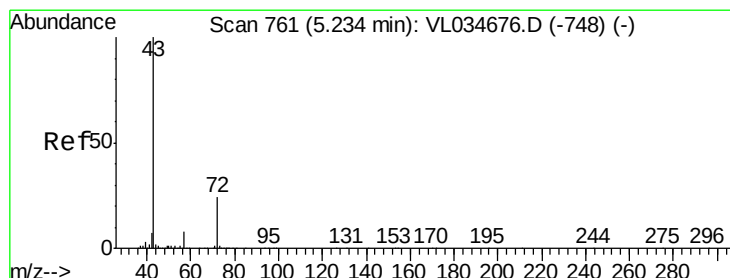
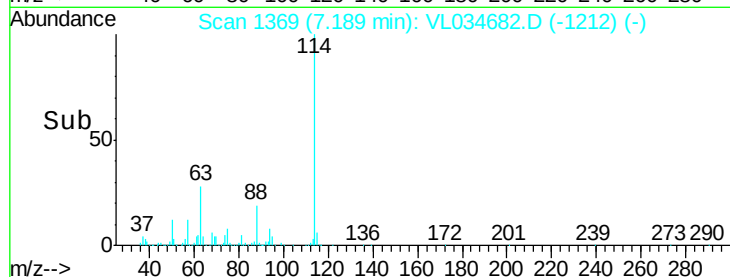
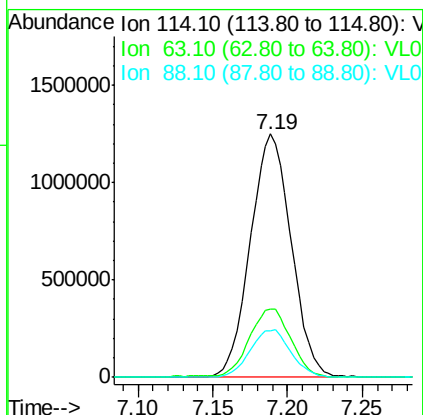
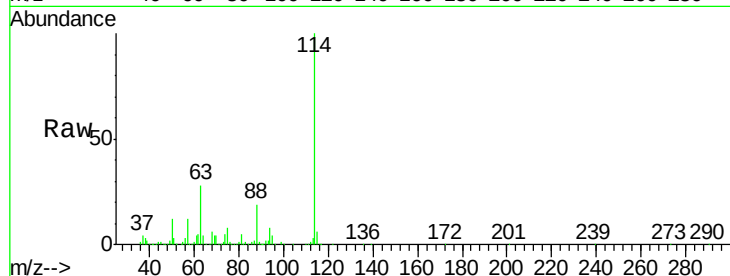
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.2	22.9	34.3
88	19.6	15.8	23.6

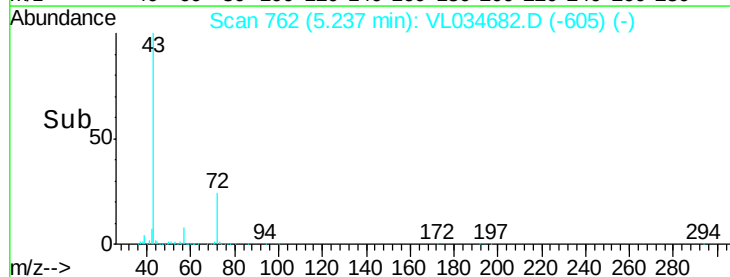
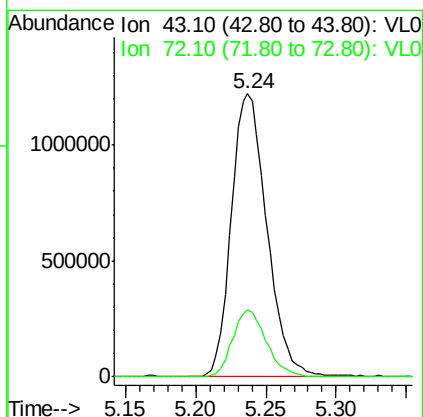
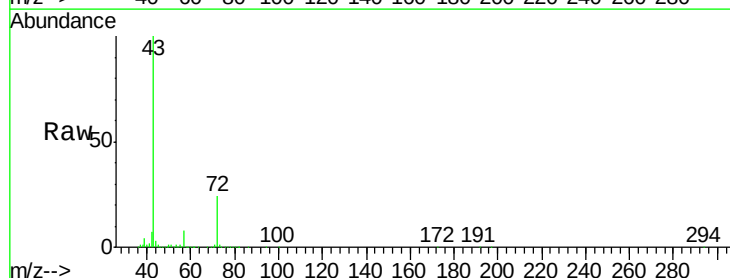
Manual Integrations
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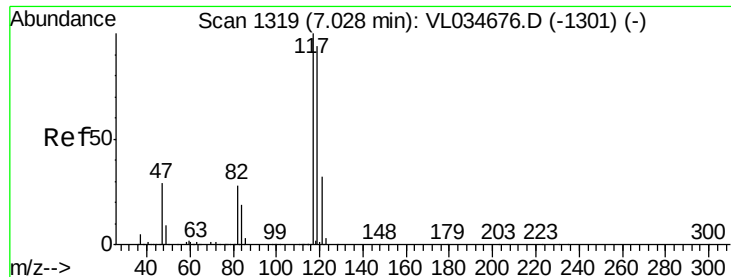
MMDadoda
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#34
 2-Butanone
 Concen: 12.754 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.2	27.2





#35

Carbon Tetrachloride

Concen: 12.261 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 2214649

Ion Ratio Lower Upper

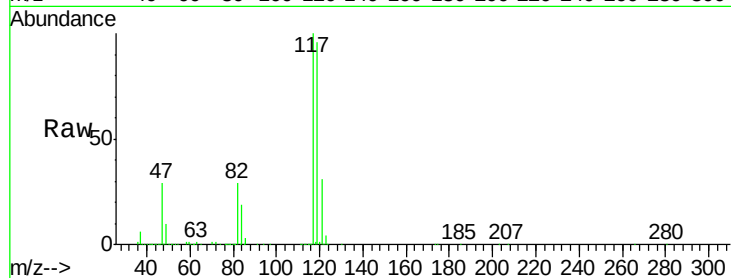
117 100

119 96.2 75.5 113.3

121 30.6 25.4 38.0

Manual Integrations
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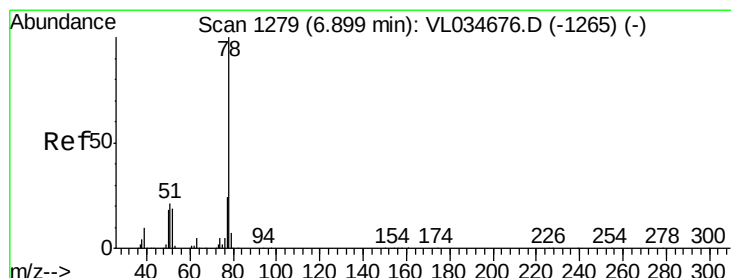
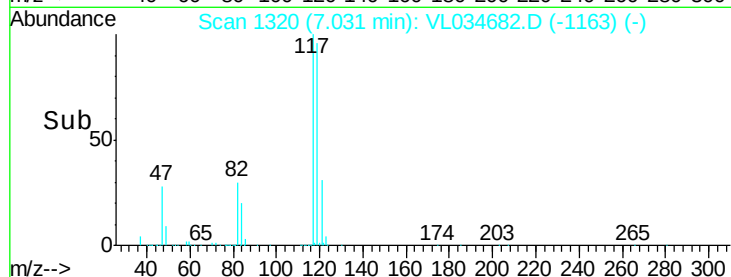
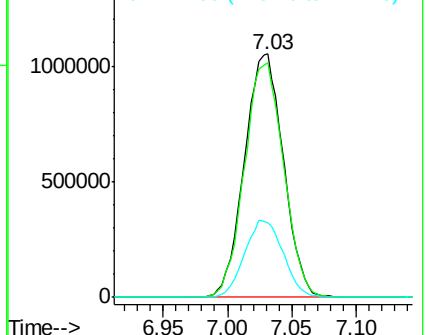
MMDadoda
2/27/2020 5:19:35 PM



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: 12.884 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

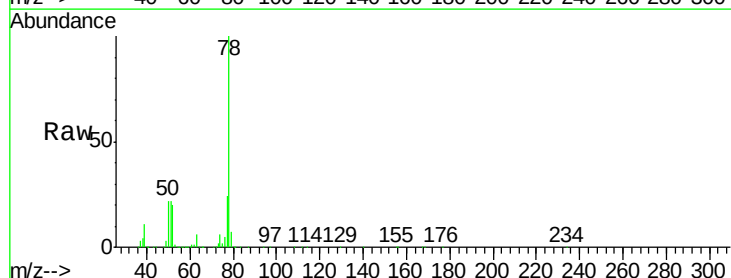
Tgt Ion: 78 Resp: 2879151

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

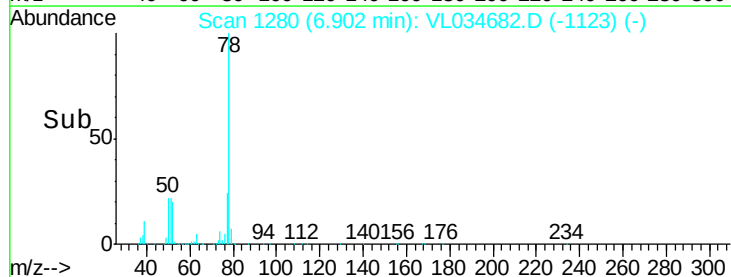
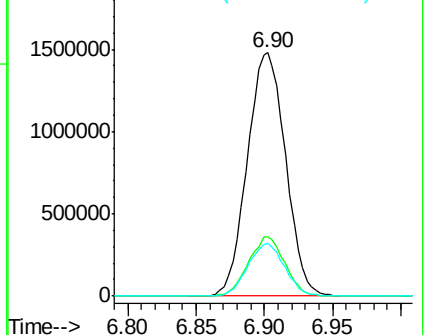
50 21.9 14.6 21.8#

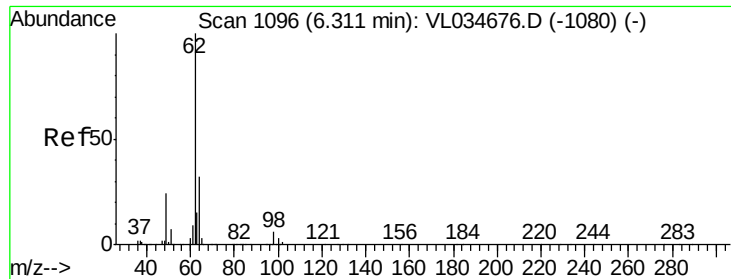


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





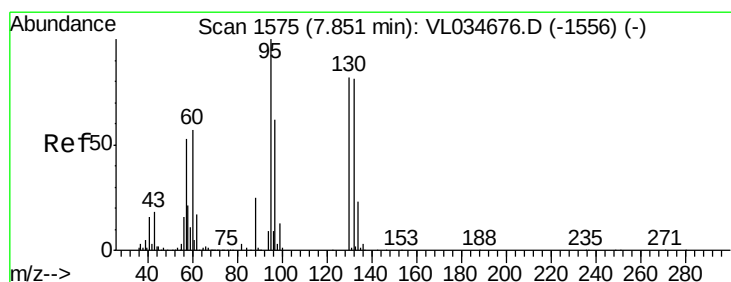
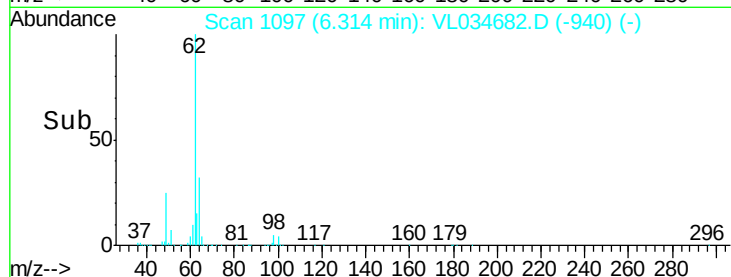
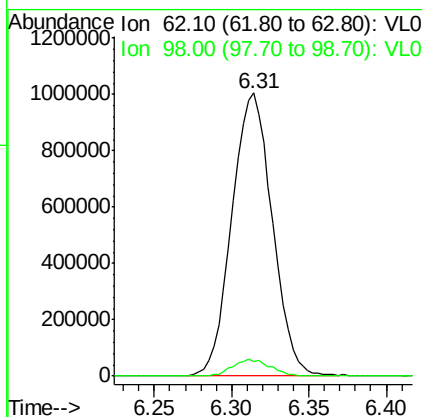
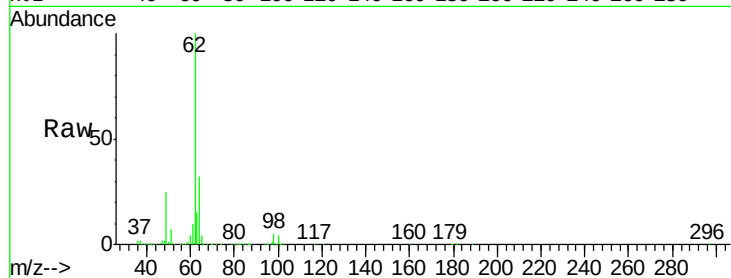
#37
 1,2-Dichloroethane
 Concen: 12.449 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 62 Resp: 1820579
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.7 7.1

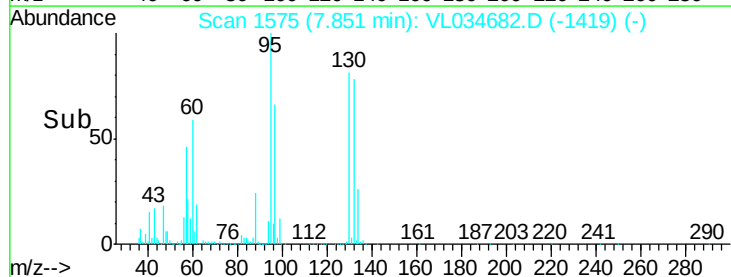
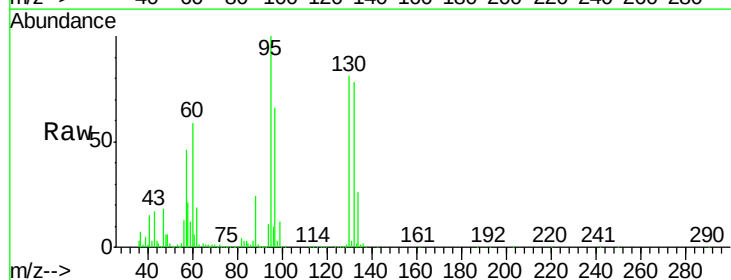
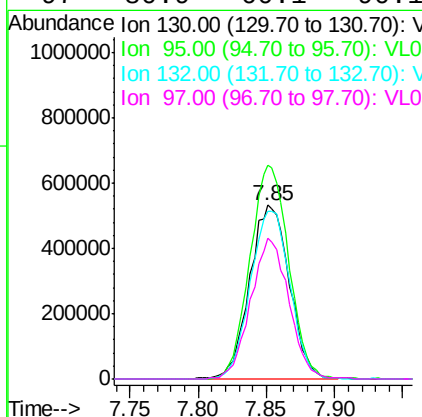
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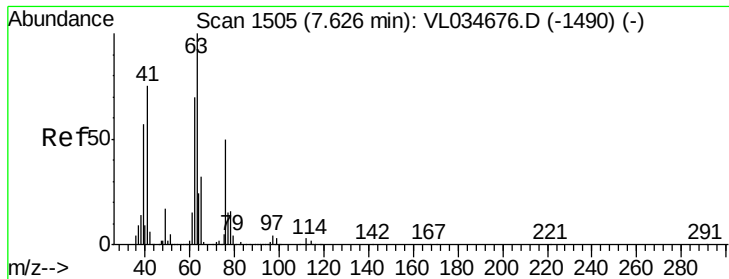
MMDadoda
 2/27/2020 5:19:35 PM



#38
 Trichloroethene
 Concen: 12.551 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion: 130 Resp: 1064686
 Ion Ratio Lower Upper
 130 100
 95 123.2 97.1 145.7
 132 96.7 78.3 117.5
 97 80.9 60.1 90.1





#39

1,2-Dichloropropane

Concen: 12.925 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

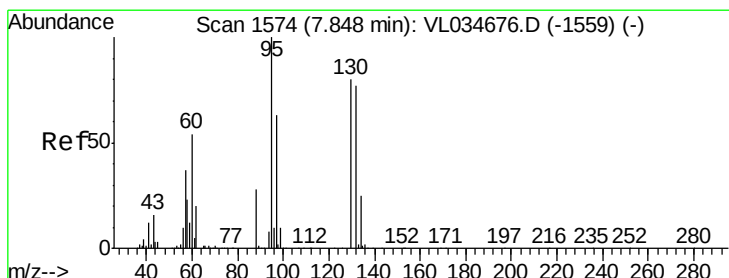
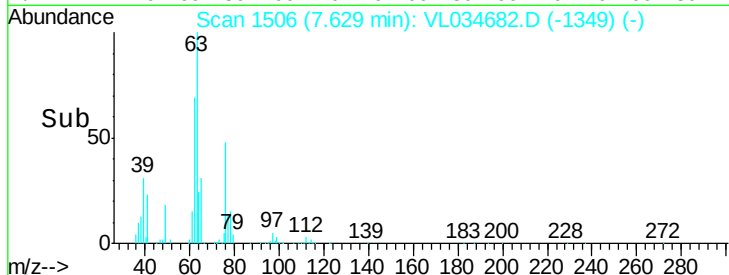
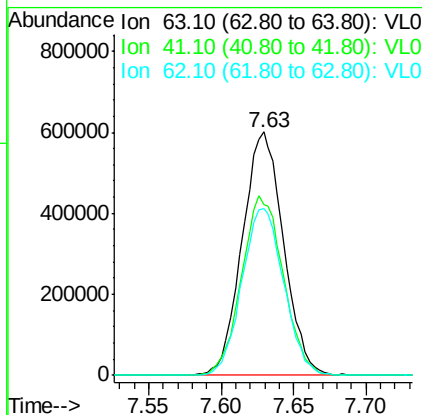
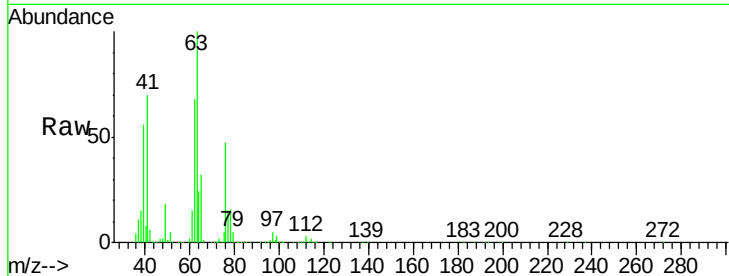
ClientSampleId :

VSTDIC015

Tot Ion:	63	Resp:	1188651
Ion	Ratio	Lower	Upper
63	100		
41	70.1	60.2	90.4
62	68.4	56.3	84.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 11.219 ppbv

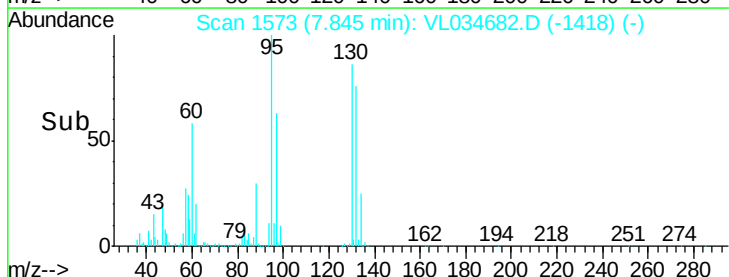
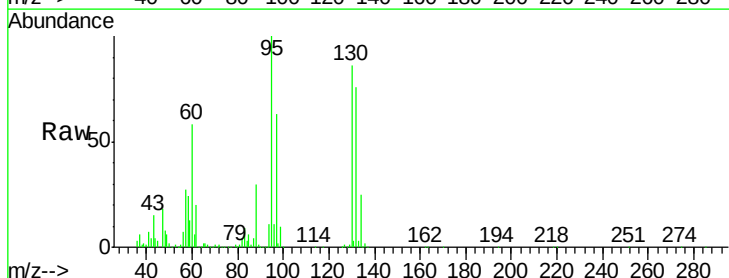
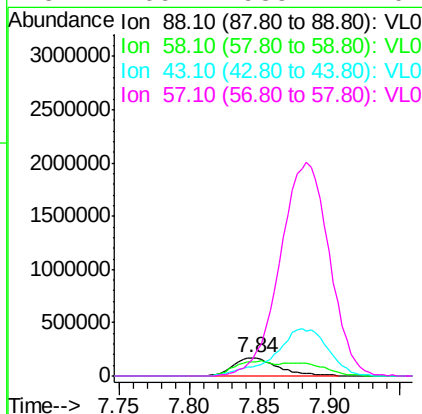
RT: 7.84 min Scan# 1573

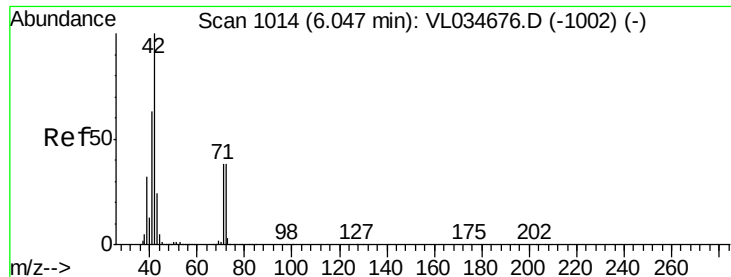
Delta R.T. -0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tgt Ion:	88	Resp:	385382
Ion	Ratio	Lower	Upper
88	100		
58	141.4	104.6	156.8
43	303.1	212.9	319.3
57	1269.7	935.2	1402.8





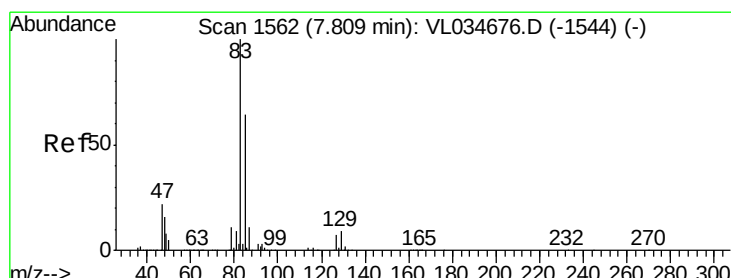
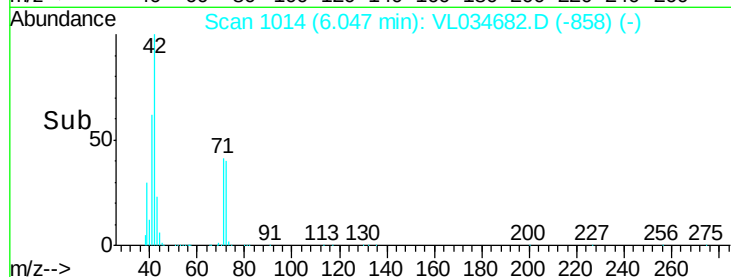
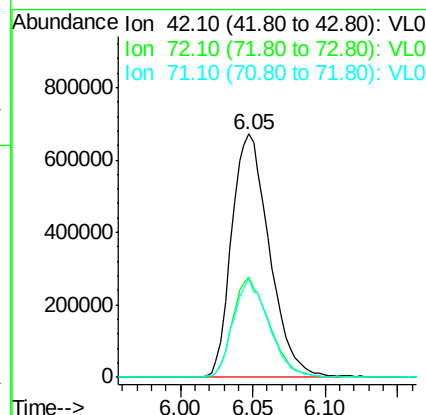
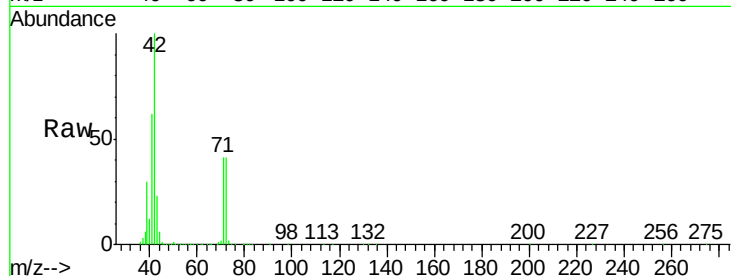
#41
Tetrahydrofuran
Concen: 13.769 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 42 Resp: 1211925
Ion Ratio Lower Upper
42 100
72 39.8 31.7 47.5
71 38.5 30.7 46.1

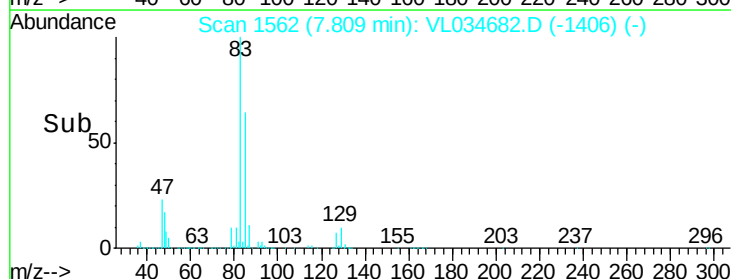
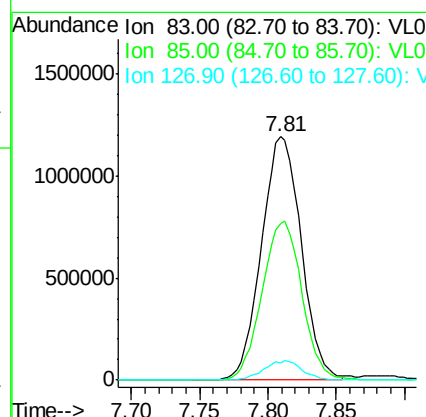
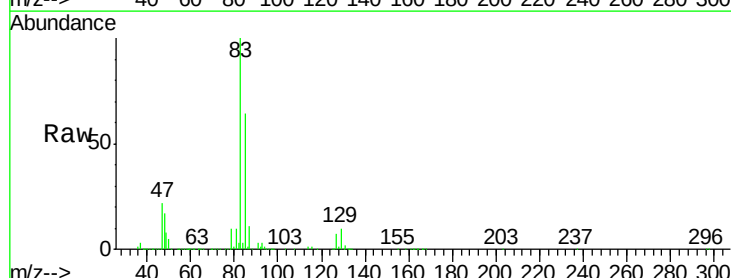
Manual Integrations
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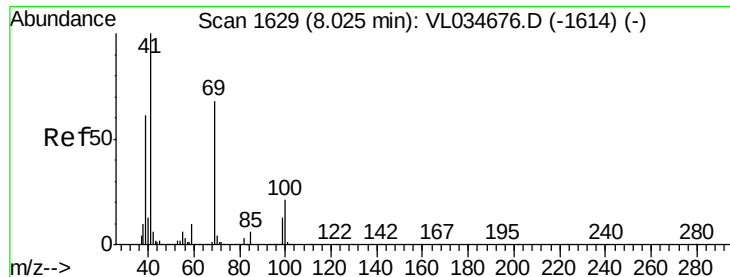
MMDadoda
2/27/2020 5:19:35 PM



#42
Bromodichloromethane
Concen: 12.729 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 83 Resp: 2414726
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 7.2 5.8 8.8





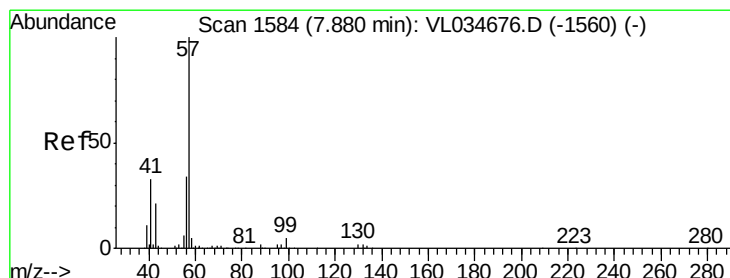
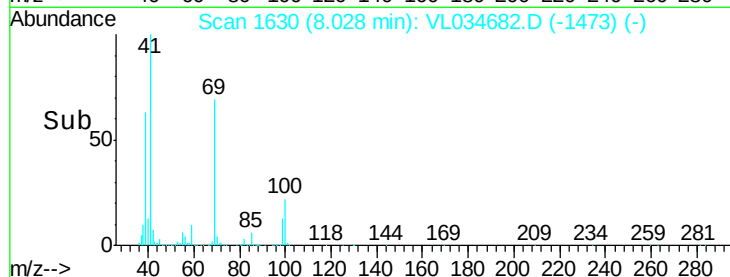
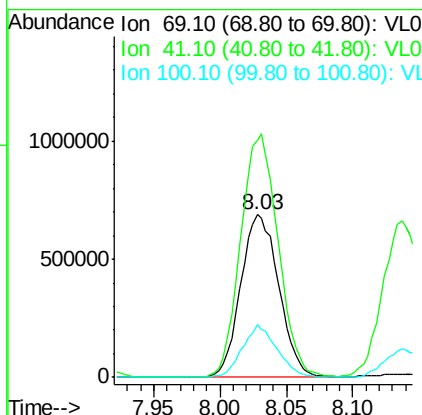
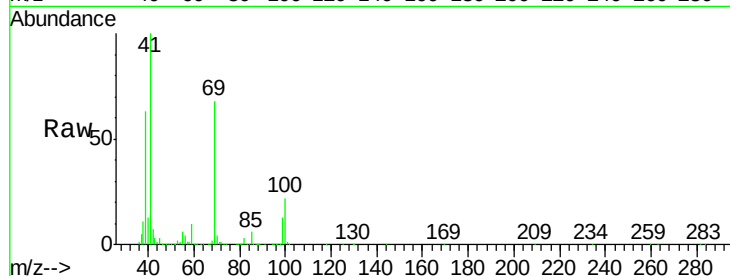
#43
Methyl Methacrylate
Concen: 15.683 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1373862
Ion Ratio Lower Upper
69 100
41 147.2 118.2 177.2
100 29.3 24.2 36.2

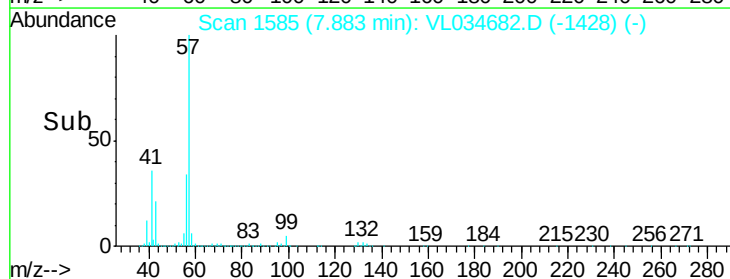
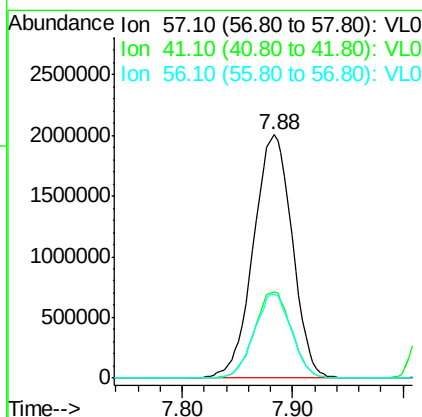
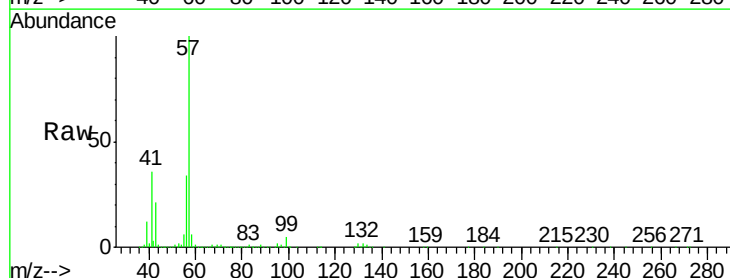
Manual Integrations
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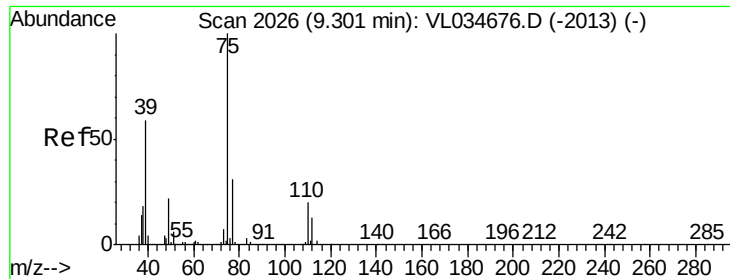
MMDadoda
2/27/2020 5:19:35 PM



#44
2,2,4-Trimethylpentane
Concen: 12.162 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 57 Resp: 4885884
Ion Ratio Lower Upper
57 100
41 34.2 26.0 39.0
56 33.0 25.6 38.4





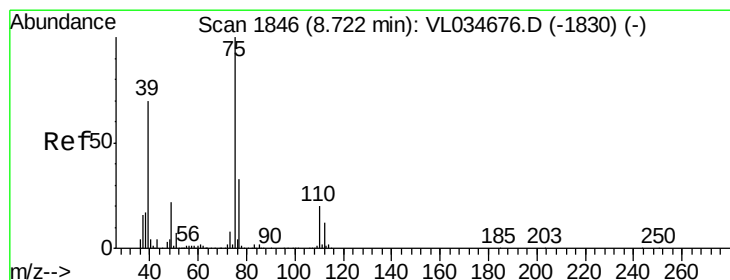
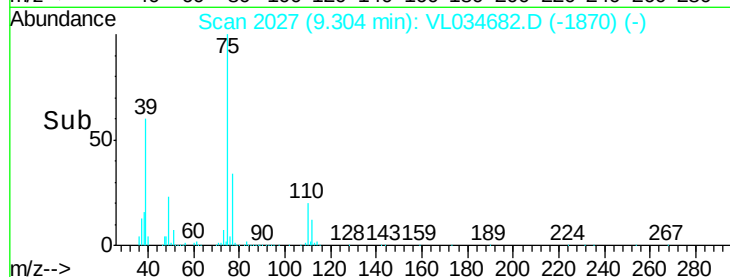
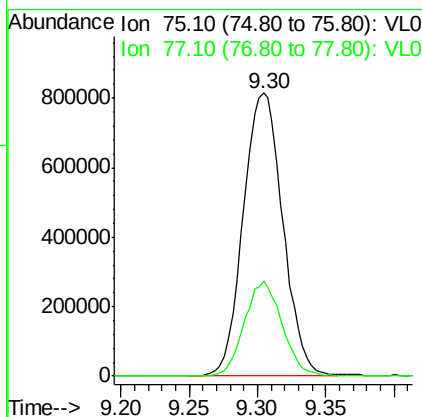
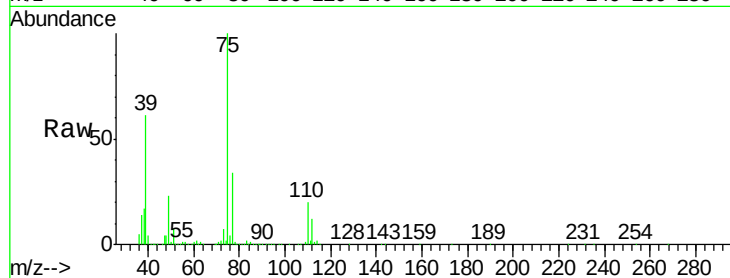
#45
t-1,3-Dichloropropene
Concen: 16.000 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 75 Resp: 1640611
Ion Ratio Lower Upper
75 100
77 33.8 25.3 37.9

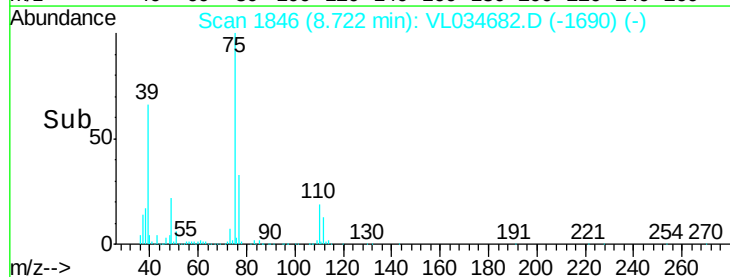
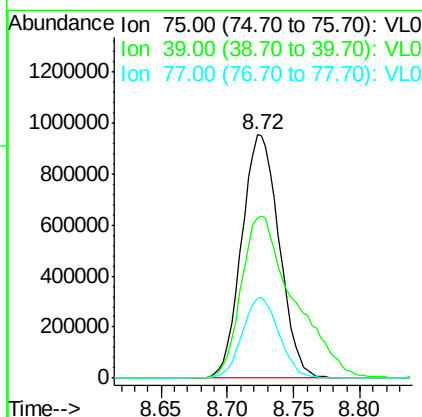
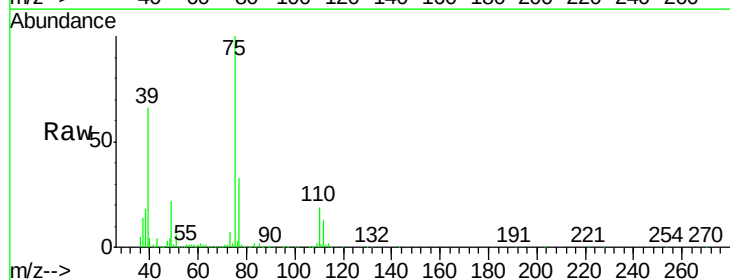
Manual Integrations
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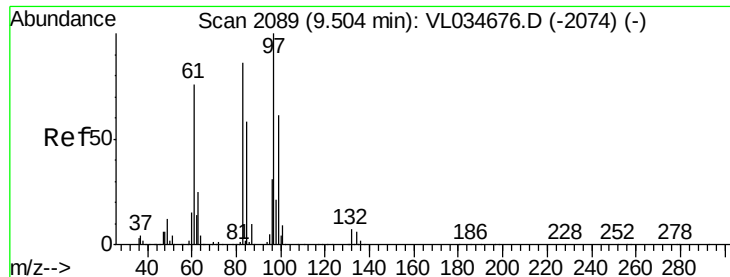
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#46
cis-1,3-Dichloropropene
Concen: 15.633 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 75 Resp: 1874985
Ion Ratio Lower Upper
75 100
39 65.7 55.7 83.5
77 32.8 26.3 39.5





#47

1,1,2-Trichloroethane

Concen: 12.313 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 97 Resp: 1196517

Ion Ratio Lower Upper

97 100

83 90.1 69.4 104.0

85 62.5 46.4 69.6

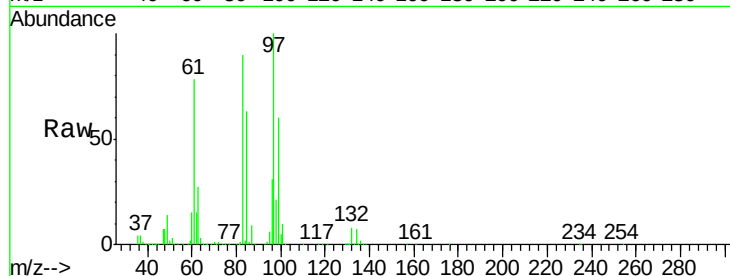
99 60.5 48.4 72.6

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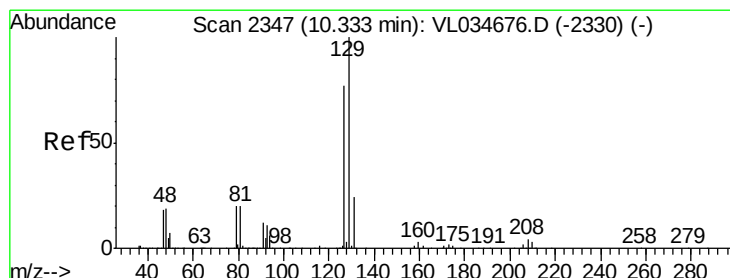
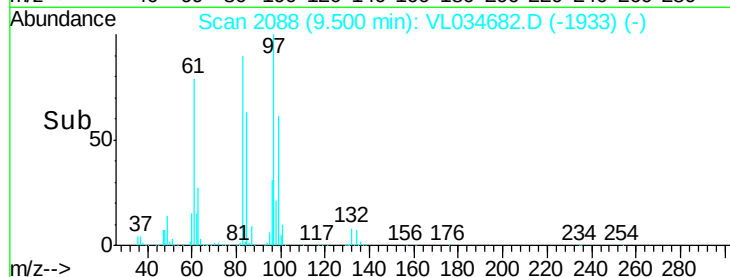
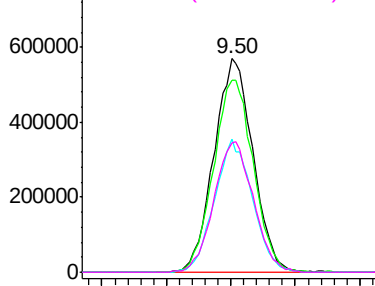


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 13.364 ppbv

RT: 10.33 min Scan# 2347

Delta R.T. 0.00 min

Lab File: VL034682.D

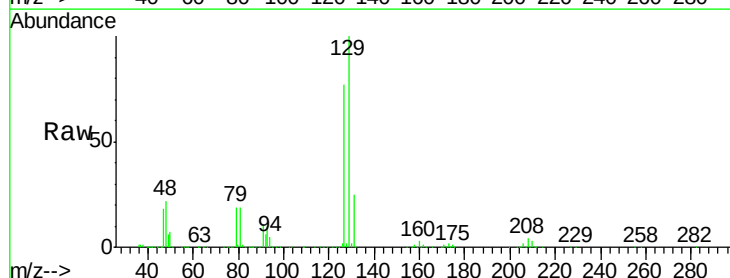
Acq: 26 Feb 2020 6:18

Tgt Ion: 129 Resp: 1993864

Ion Ratio Lower Upper

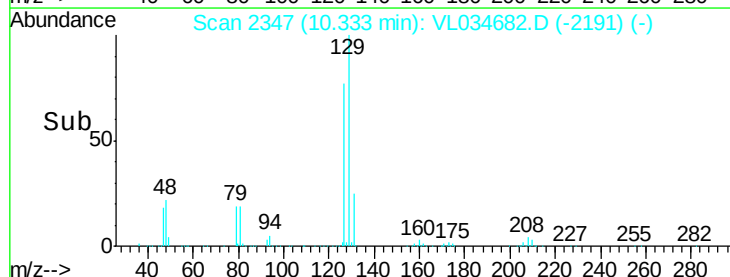
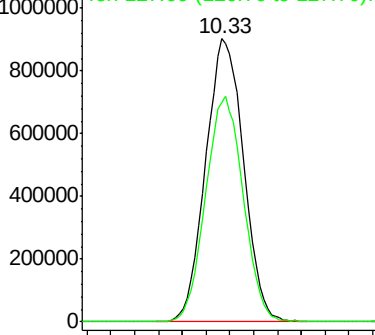
129 100

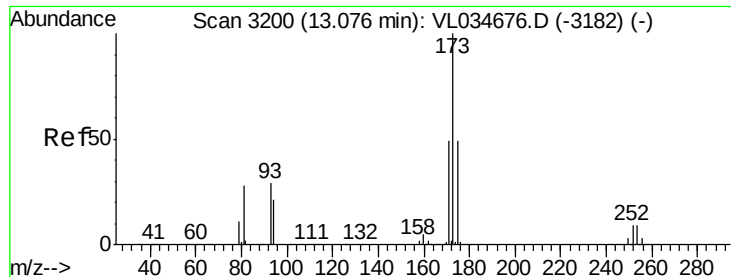
127 79.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.394 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 1747412

Ion Ratio Lower Upper

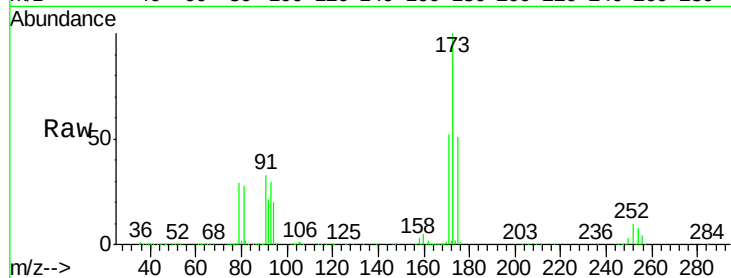
173 100

175 49.8 38.6 58.0

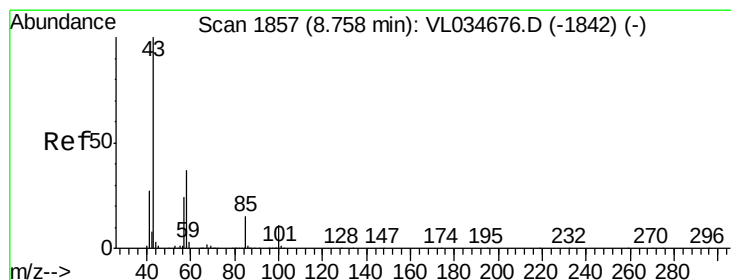
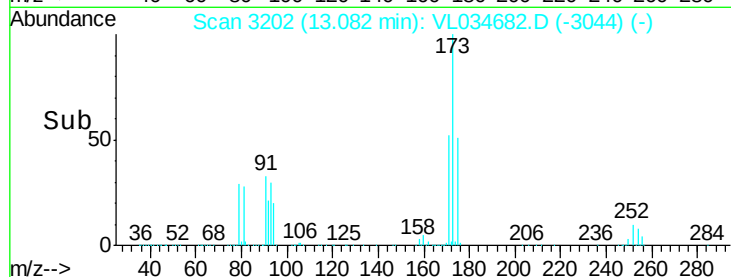
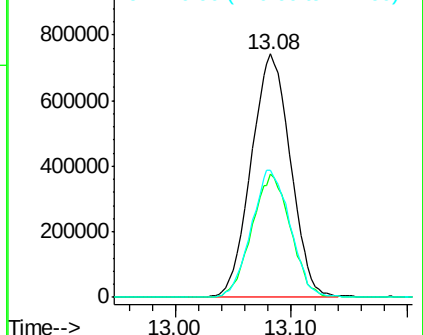
171 51.9 41.5 62.3

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 13.523 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL034682.D

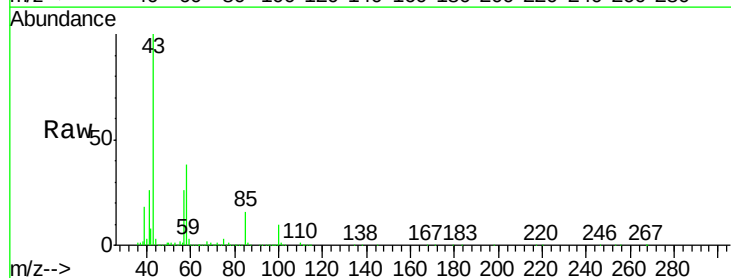
Acq: 26 Feb 2020 6:18

Tgt Ion: 43 Resp: 3229899

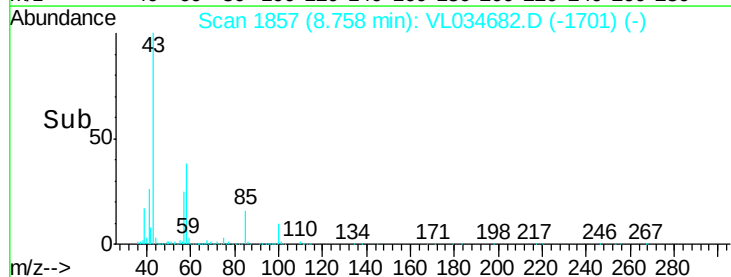
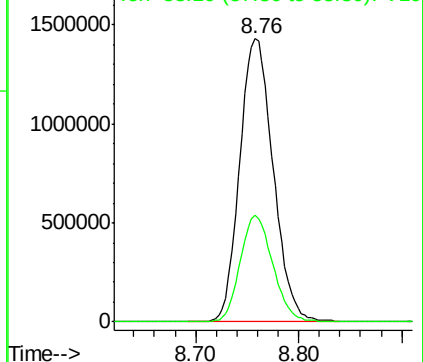
Ion Ratio Lower Upper

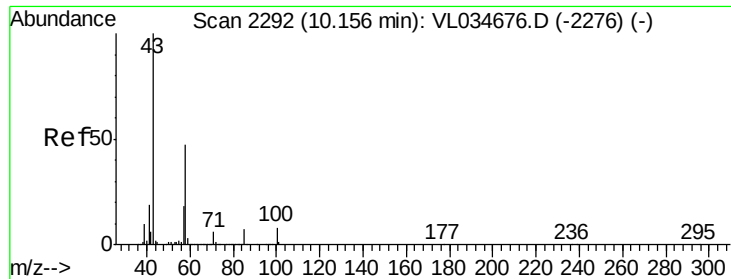
43 100

58 36.7 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





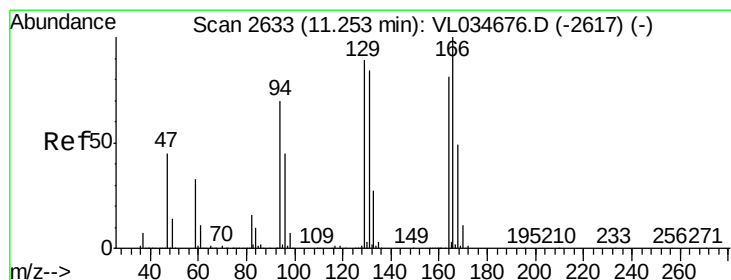
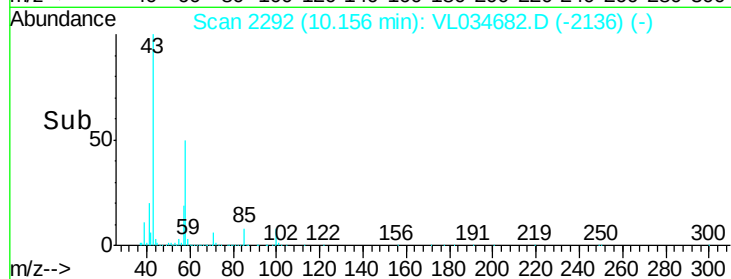
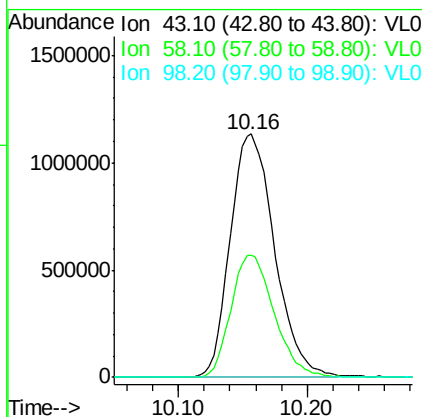
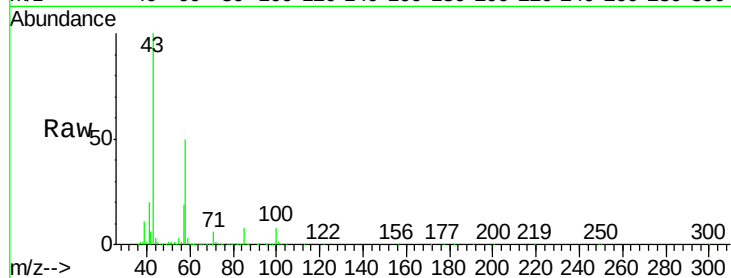
#51
2-Hexanone
Concen: 14.359 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.4	59.0
98	0.3	0.2	0.2#

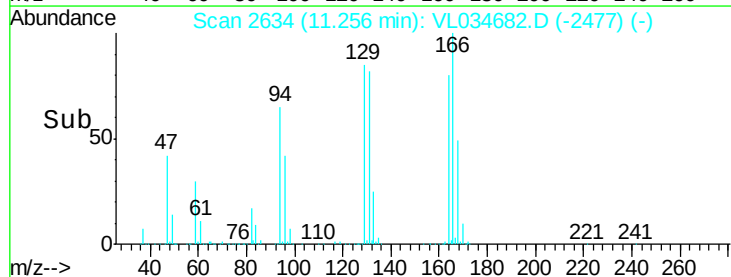
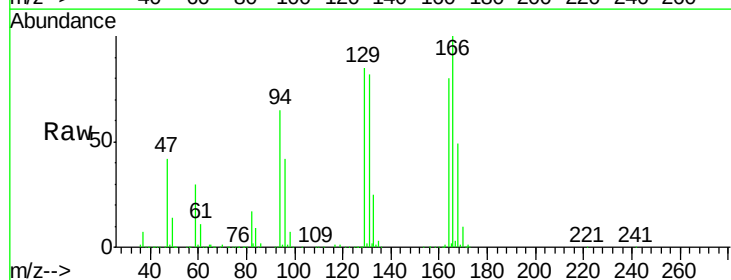
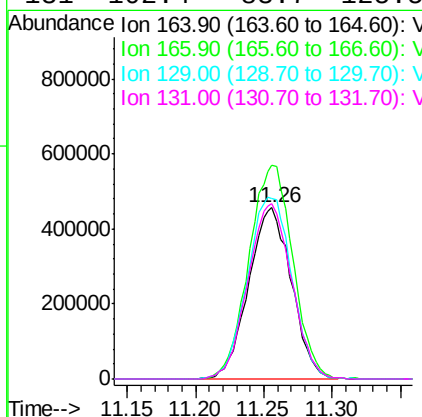
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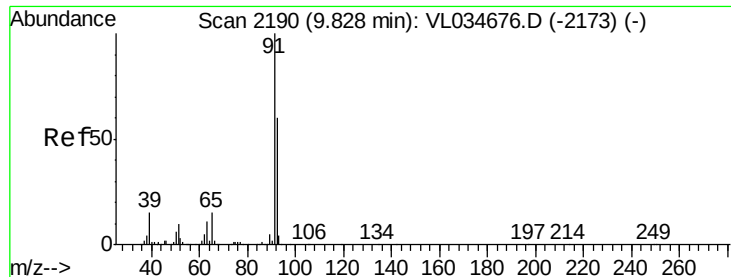
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#52
Tetrachloroethene
Concen: 12.605 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.2	148.8
129	105.7	88.0	132.0
131	102.4	83.7	125.5





#53

Toluene

Concen: 13.808 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 3318515

Ion Ratio Lower Upper

91 100

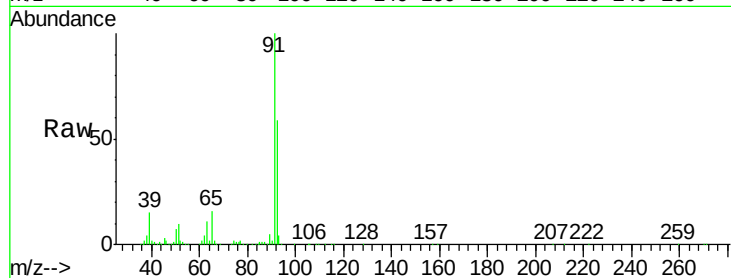
92 61.0 48.5 72.7

Manual Integrations

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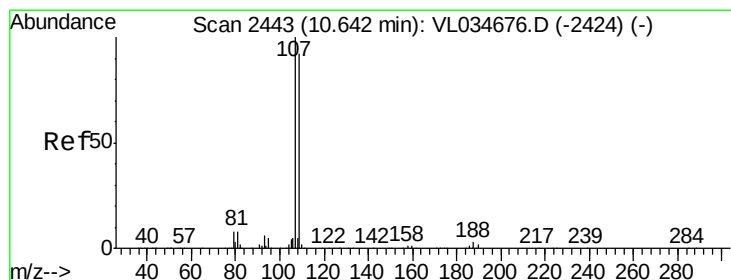
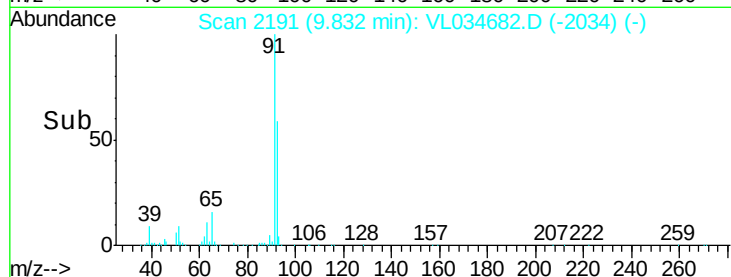
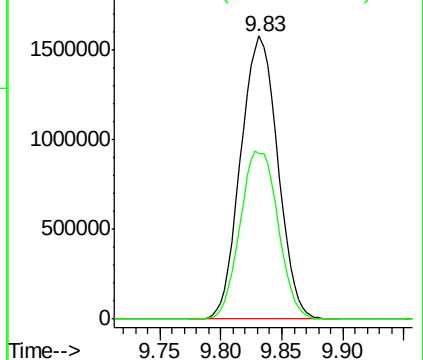
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 13.523 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034682.D

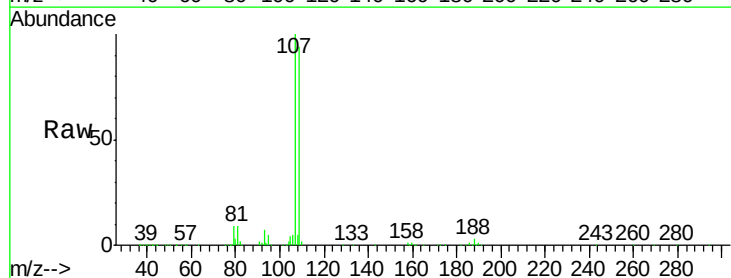
Acq: 26 Feb 2020 6:18

Tgt Ion: 107 Resp: 1830471

Ion Ratio Lower Upper

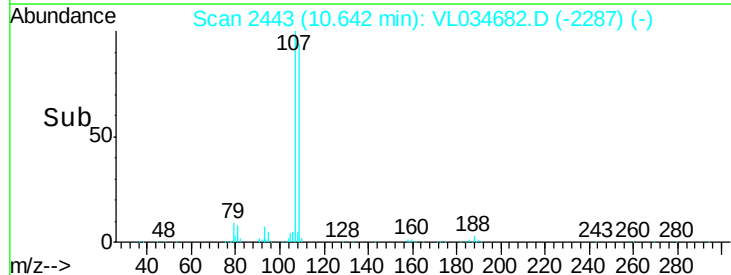
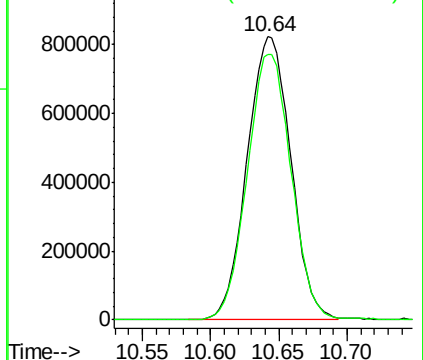
107 100

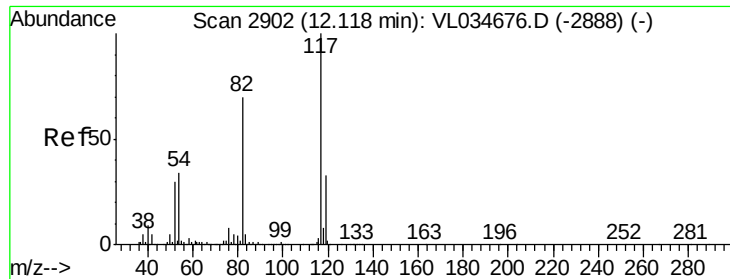
109 93.9 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





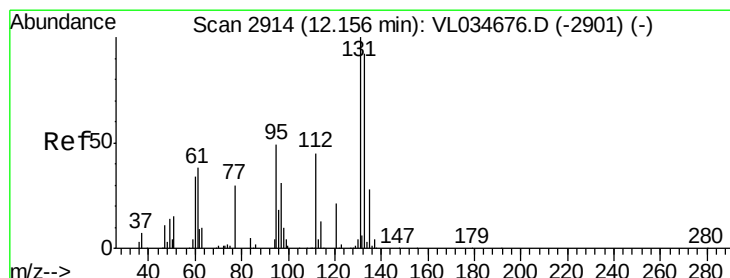
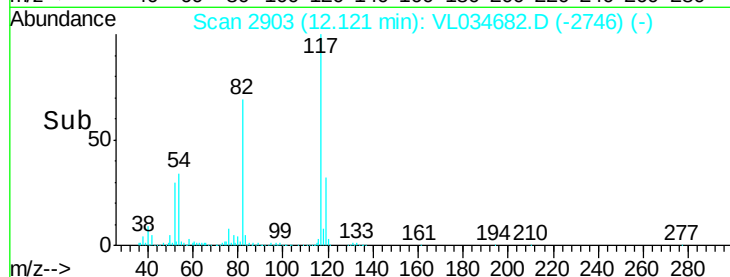
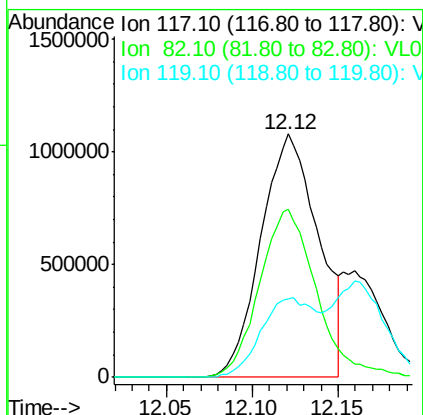
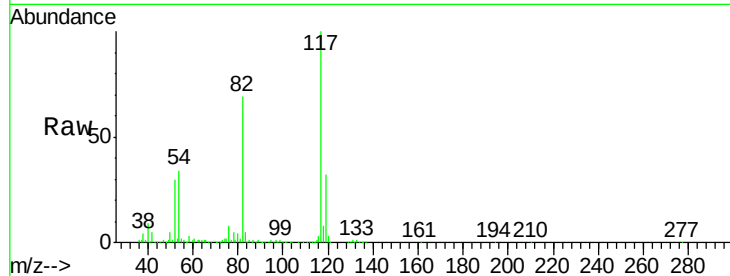
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 2501020
Ion Ratio Lower Upper
117 100
82 69.0 54.1 81.1
119 33.8 27.6 41.4

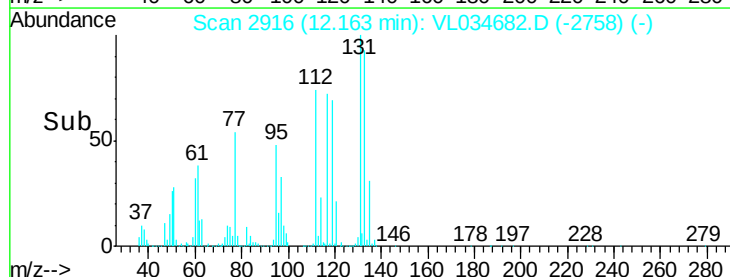
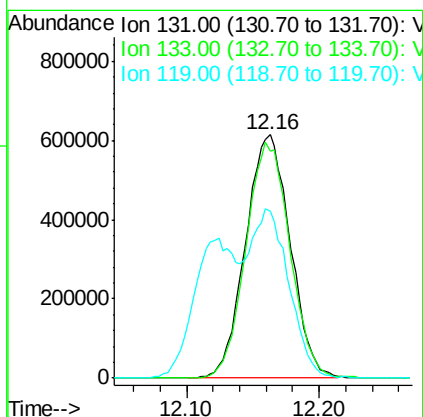
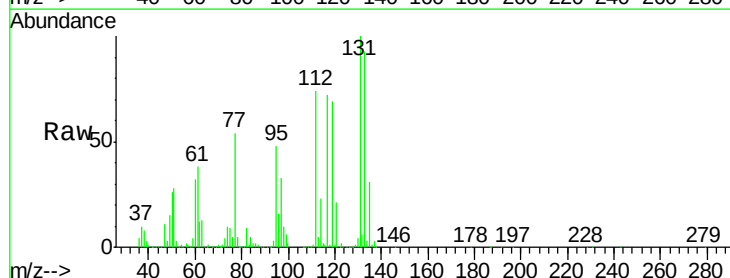
Manual Integrations
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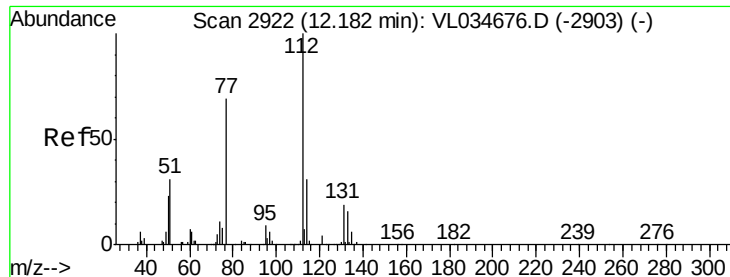
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.137 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion:131 Resp: 1436665
Ion Ratio Lower Upper
131 100
133 95.8 76.6 114.8
119 63.0 51.3 76.9





#57

Chlorobenzene

Concen: 11.698 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 112 Resp: 2417785

Ion Ratio Lower Upper

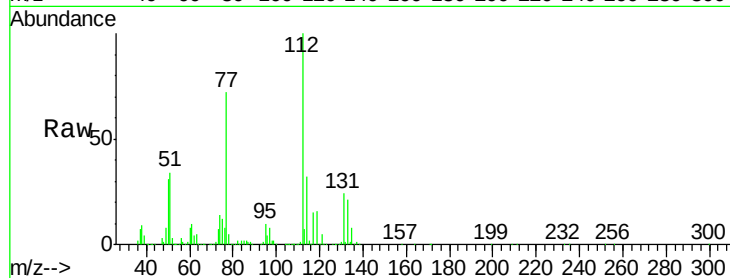
112 100

77 72.2 56.5 84.7

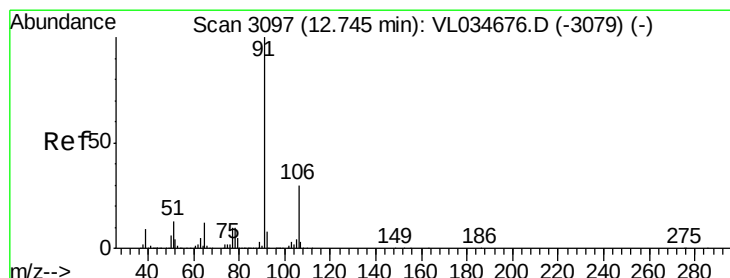
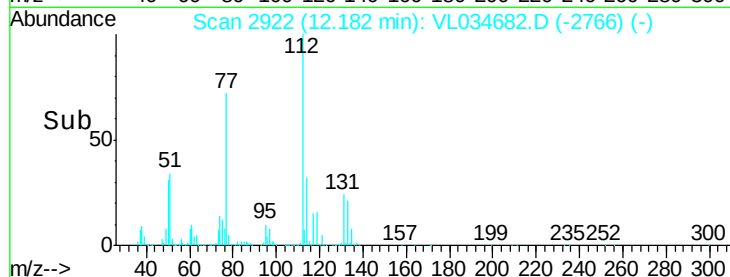
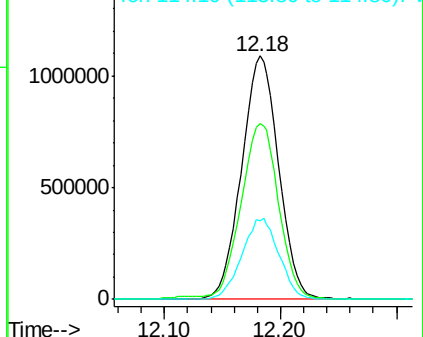
114 32.1 28.1 34.3

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



#58

Ethyl Benzene

Concen: 13.125 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL034682.D

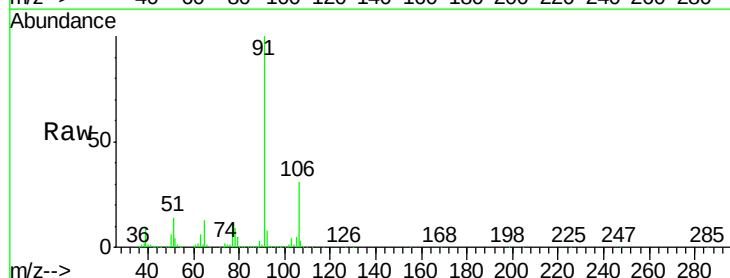
Acq: 26 Feb 2020 6:18

Tgt Ion: 91 Resp: 4367156

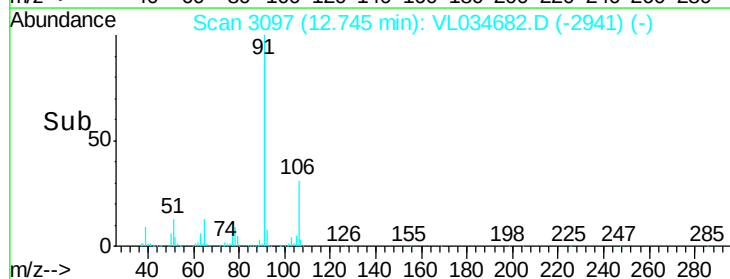
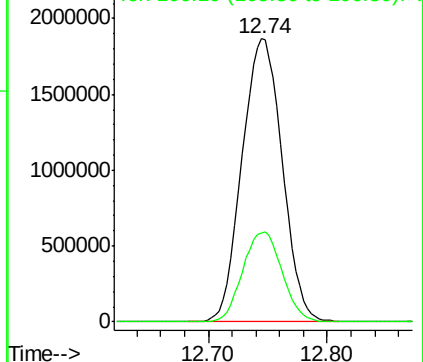
Ion Ratio Lower Upper

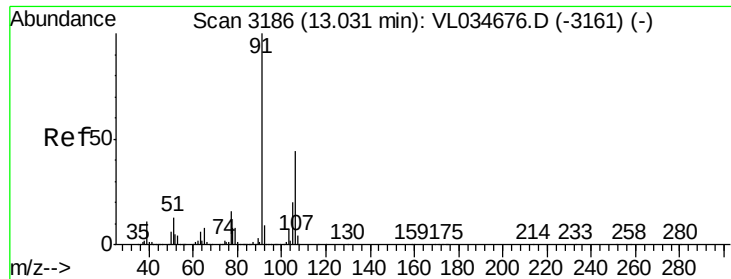
91 100

106 31.3 24.0 36.0



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





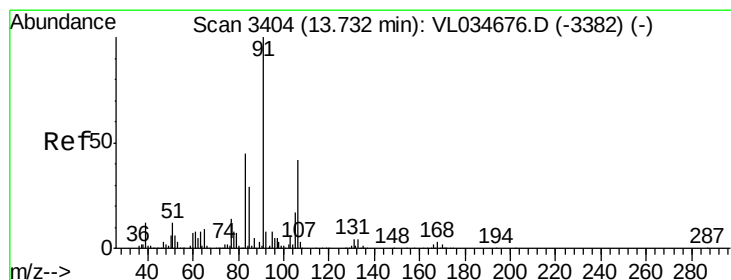
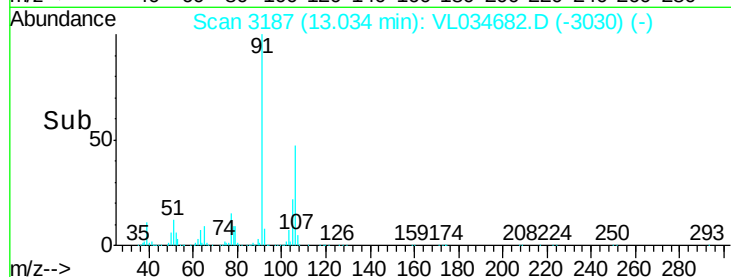
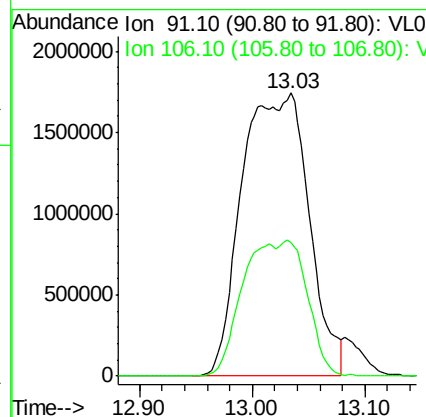
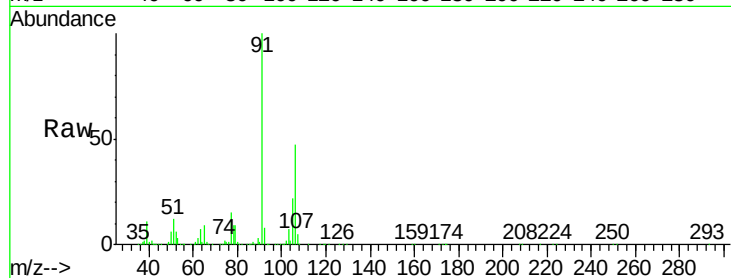
#59
m/p-Xylene
Concen: 24.594 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 7179212
Ion Ratio Lower Upper
91 100
106 46.1 35.6 53.4

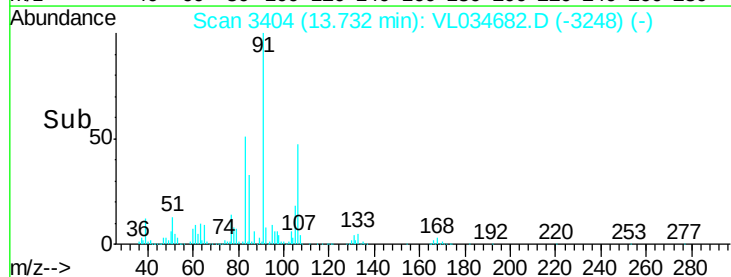
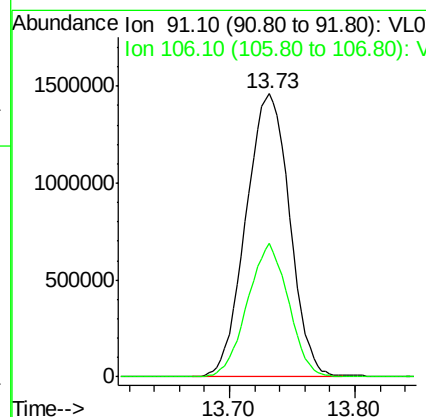
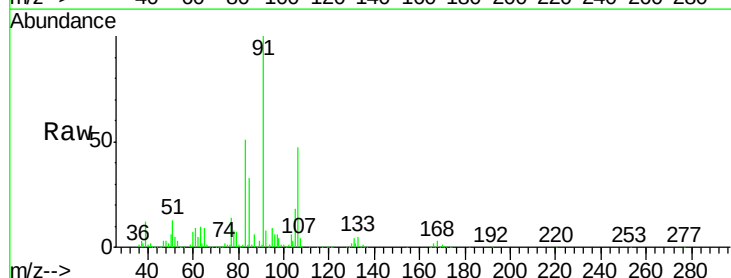
Manual Integrations
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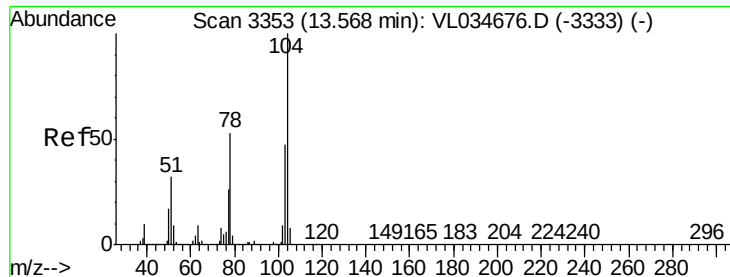
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#60
o-Xylene
Concen: 12.134 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion: 91 Resp: 3538193
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.5





#61

Stvrene

Concen: 13.256 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 2641042

Ion Ratio Lower Upper

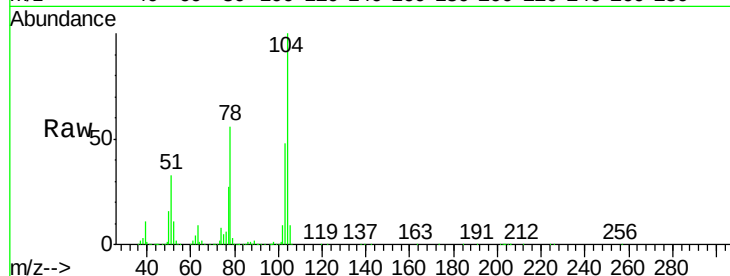
104 100

78 56.1 44.2 66.4

103 48.0 37.4 56.0

Manual Integrations
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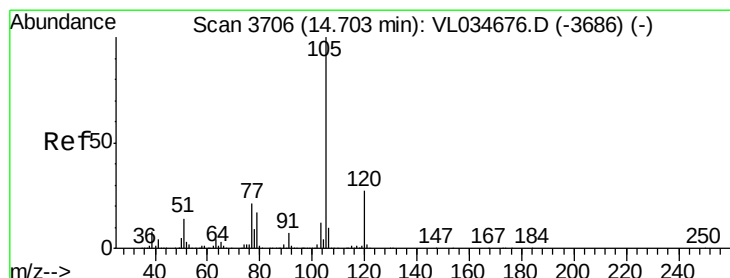
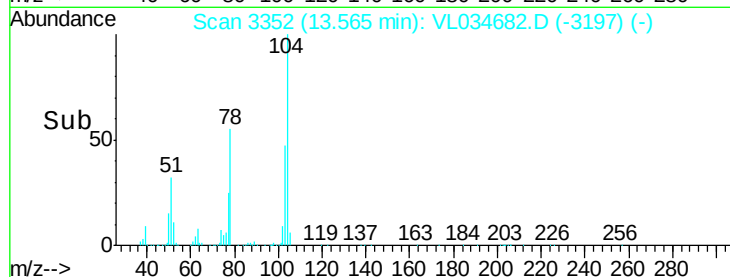
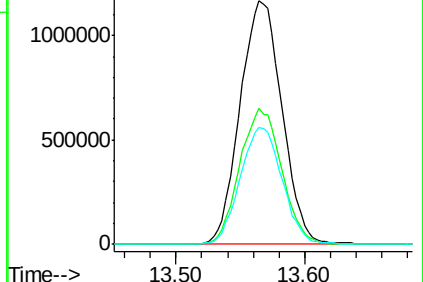
MMDadoda
2/27/2020 5:19:35 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 13.212 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL034682.D

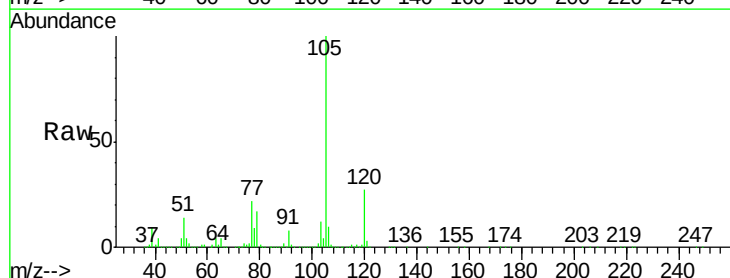
Acq: 26 Feb 2020 6:18

Tgt Ion:105 Resp: 5103702

Ion Ratio Lower Upper

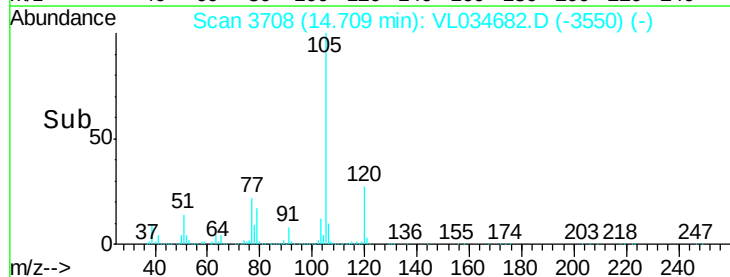
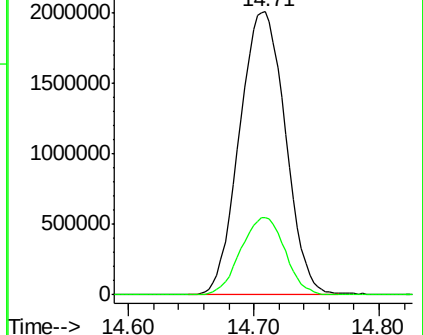
105 100

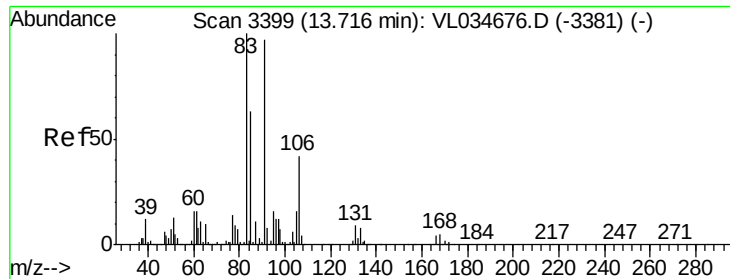
120 26.5 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





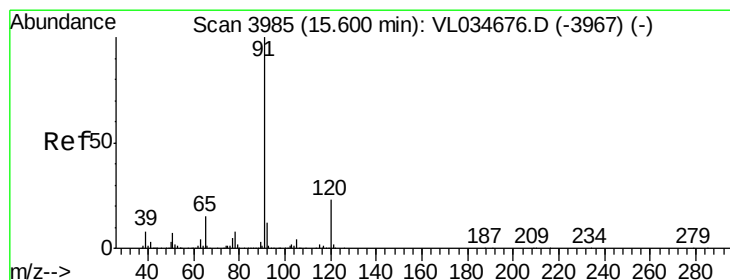
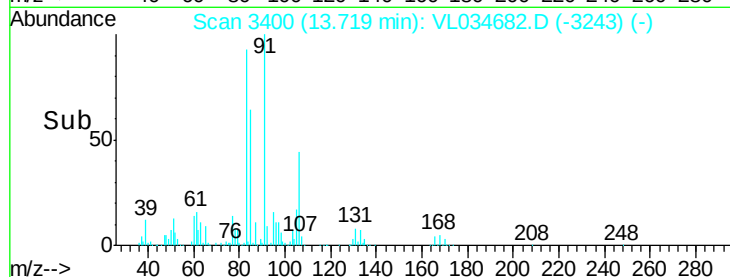
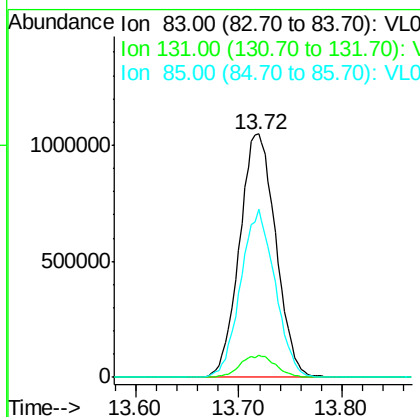
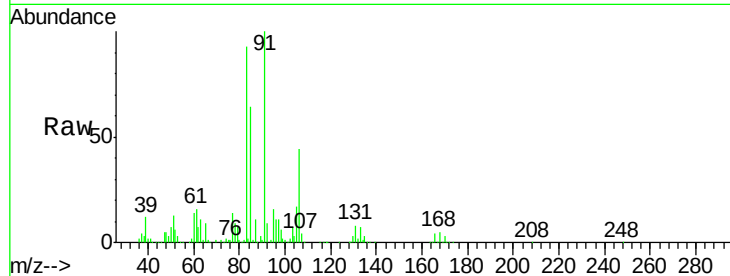
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.051 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	83	Resp	2558979
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.4	13.2
85	65.7	32.5	97.5

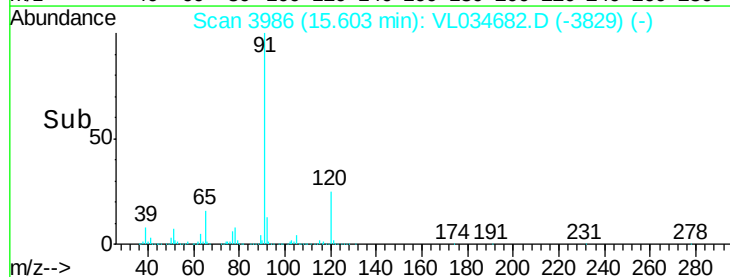
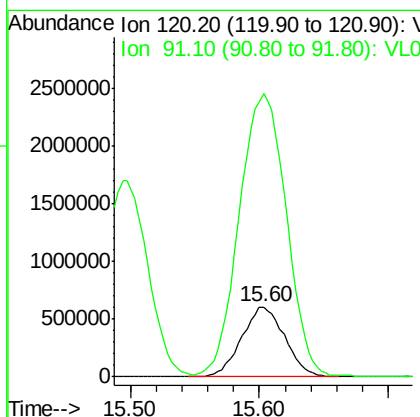
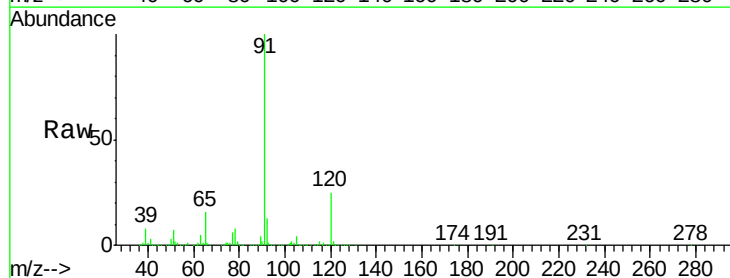
Manual Integrations
 APPROVED

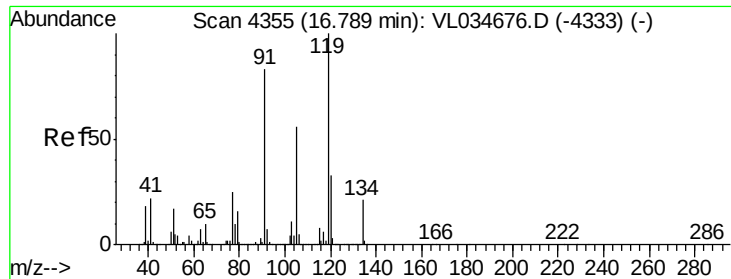
MMDadoda
 2/27/2020 5:19:35 PM



#64
 n-propylbenzene
 Concen: 14.369 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion	120	Resp	1408818
Ion Ratio	100	Lower	Upper
120	100		
91	443.4	369.8	554.8





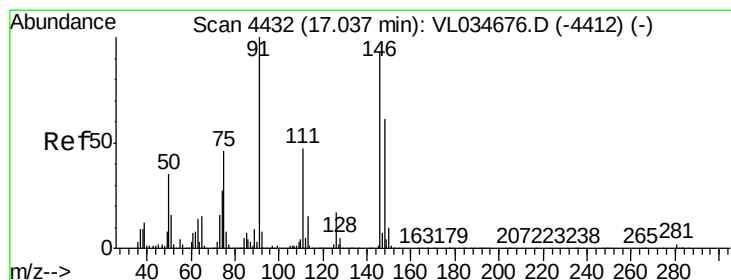
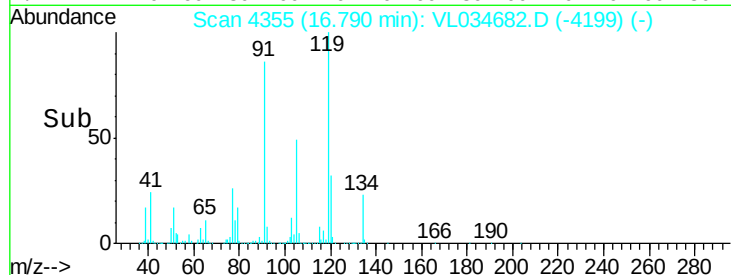
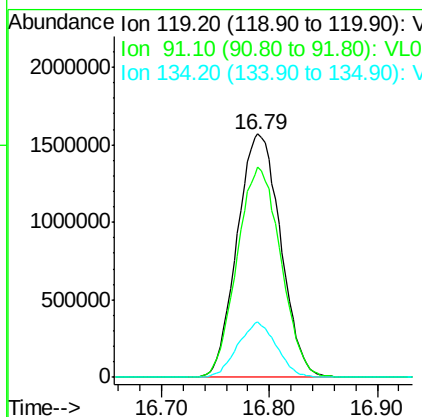
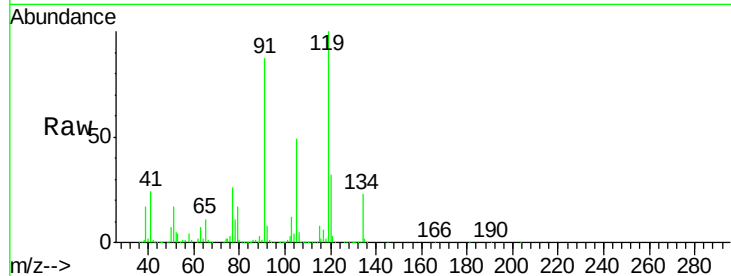
#65
 tert-Butylbenzene
 Concen: 13.041 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 119 Resp: 4392376
 Ion Ratio Lower Upper
 119 100
 91 87.0 69.1 103.7
 134 20.4 15.8 23.8

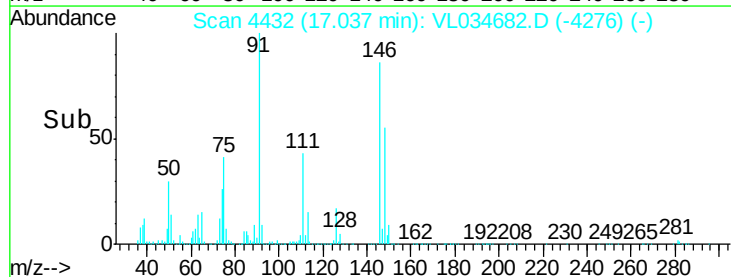
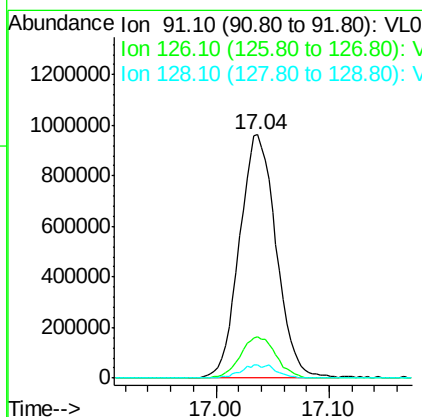
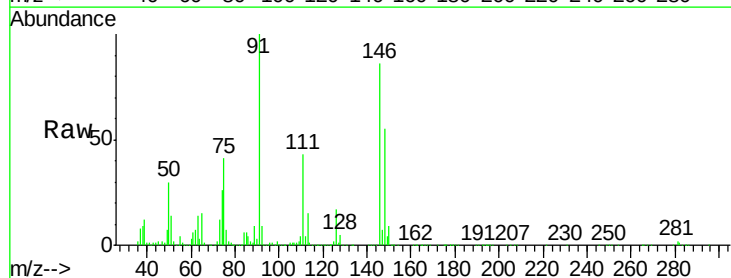
Manual Integrations
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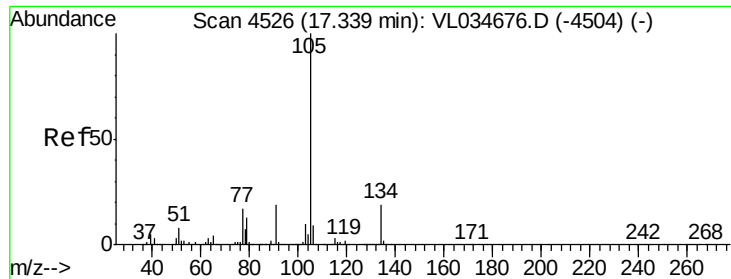
MMDadoda
 2/27/2020 5:19:35 PM



#66
 Benzyl Chloride
 Concen: 16.713 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion: 91 Resp: 2172782
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.5 20.3
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 13.009 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 6257751

Ion Ratio Lower Upper

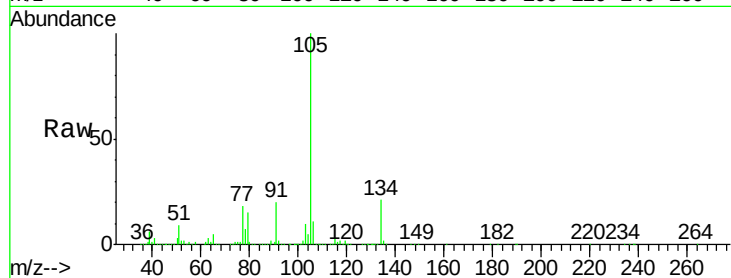
105 100

134 19.3 14.8 22.2

Manual Integrations
APPROVED

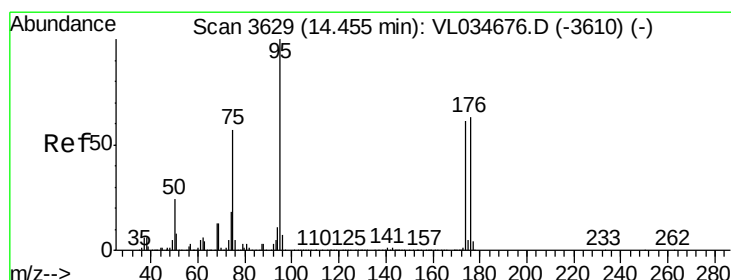
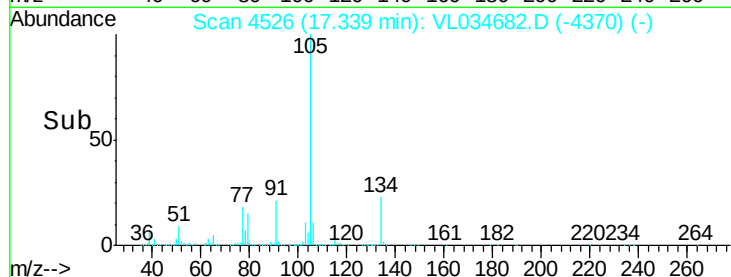
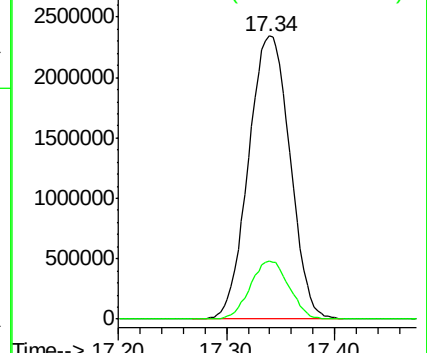
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.832 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

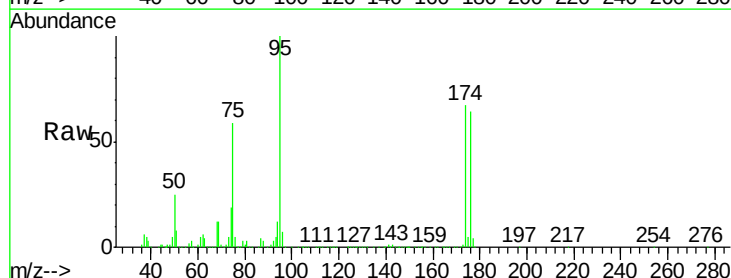
Tgt Ion: 95 Resp: 2018366

Ion Ratio Lower Upper

95 100

174 63.8 50.7 76.1

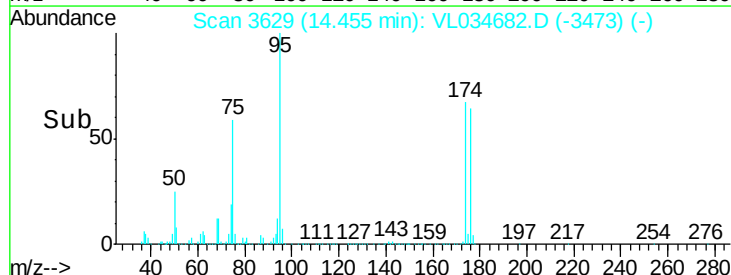
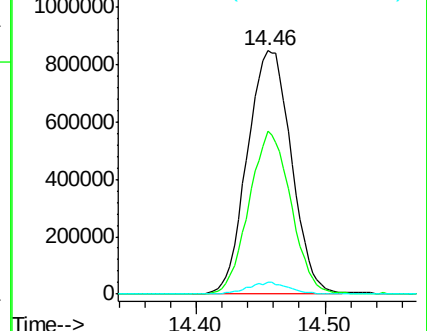
175 4.5 3.9 5.9

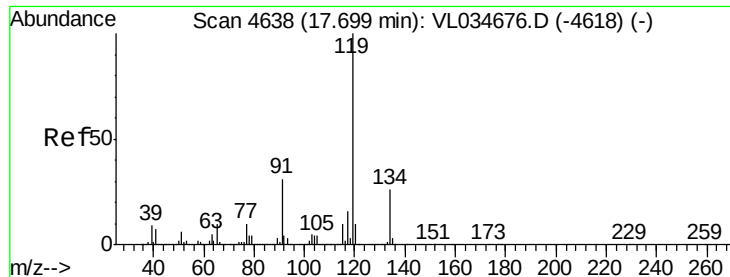


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





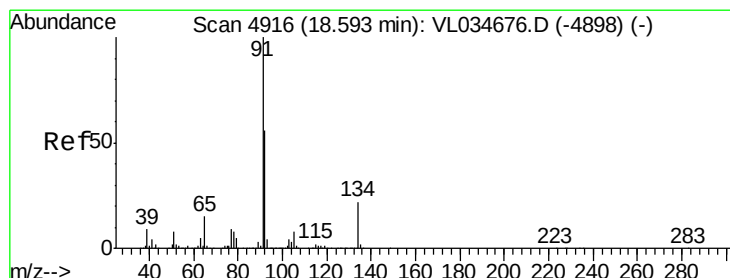
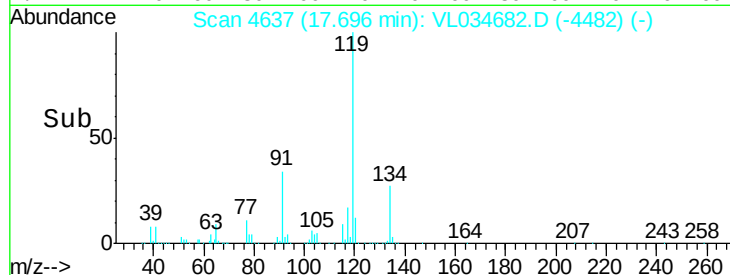
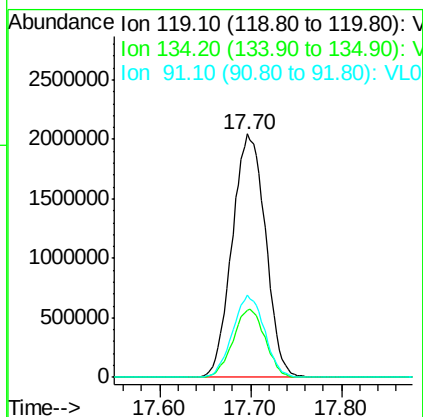
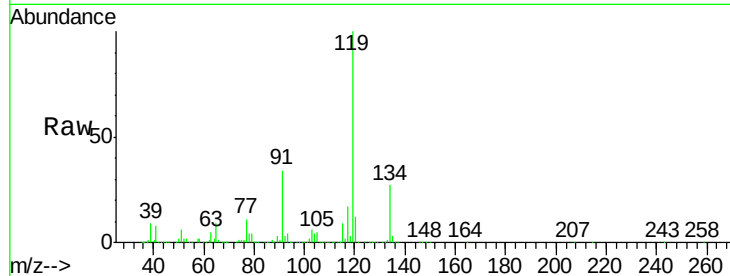
#69
 p-Isopropyltoluene
 Concen: 13.620 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.6	31.0
91	32.3	25.3	37.9

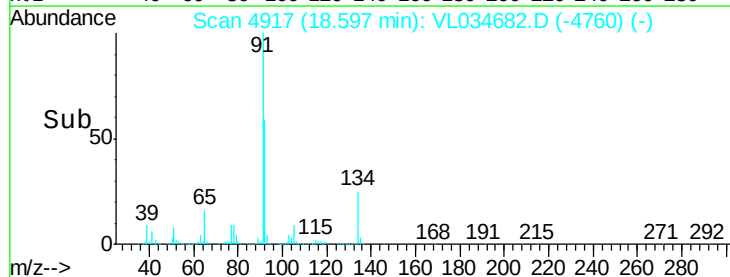
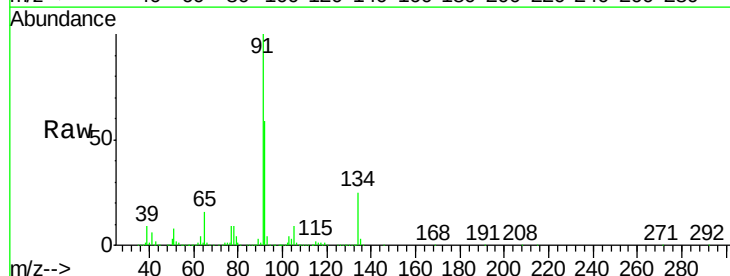
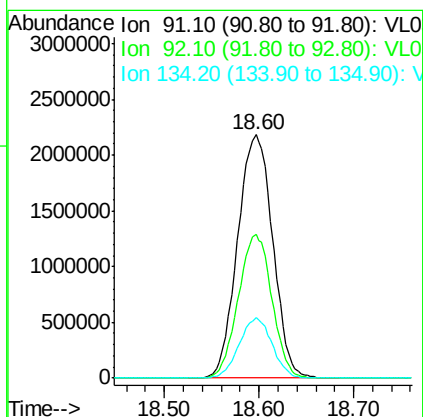
Manual Integrations
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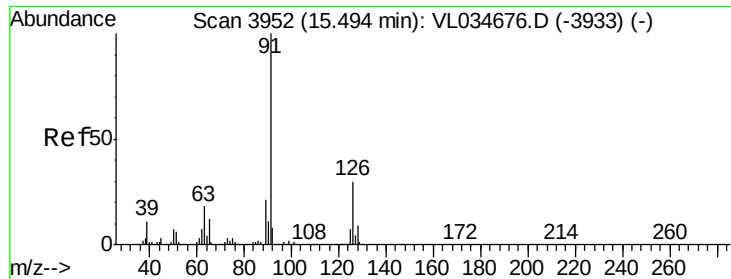
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#70
 n-Butylbenzene
 Concen: 13.740 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	43.8	65.6
134	23.2	17.6	26.4





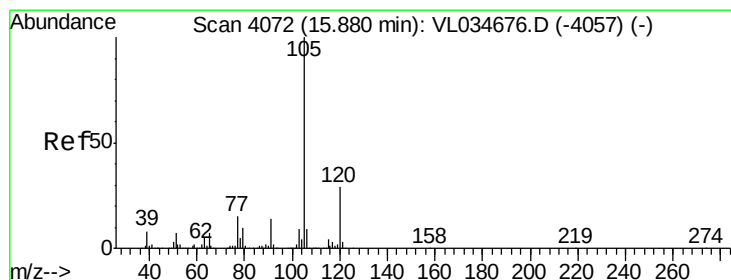
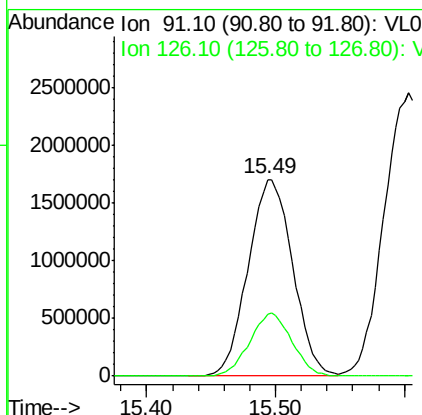
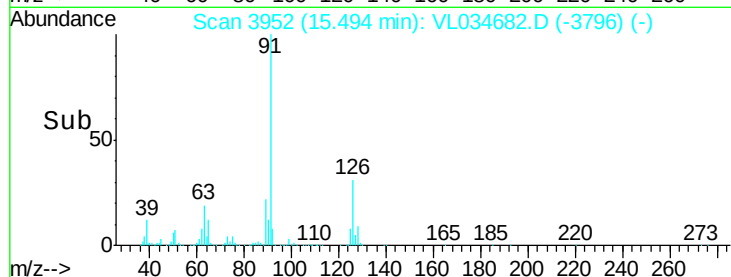
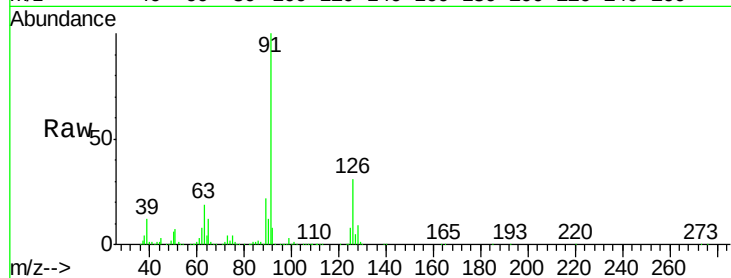
#71
 2-Chlorotoluene
 Concen: 13.824 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 4094158
 Ion Ratio Lower Upper
 91 100
 126 30.4 11.8 47.2

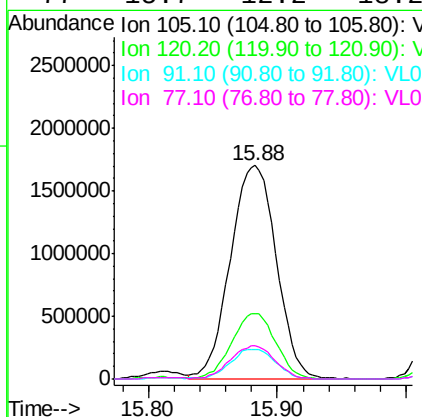
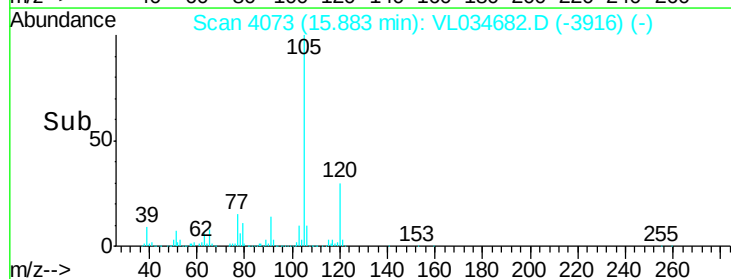
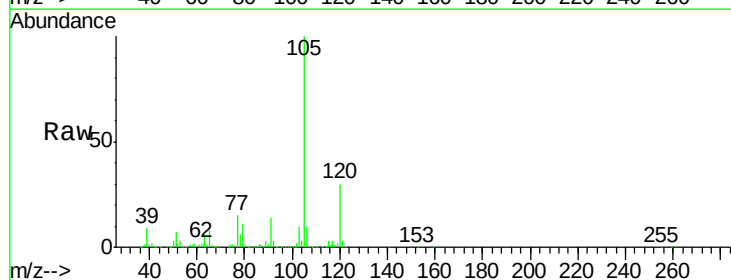
Manual Integrations
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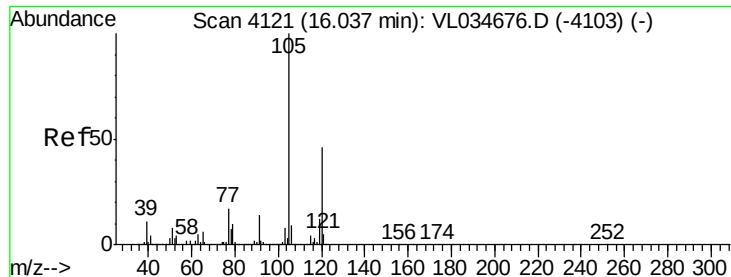
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 13.045 ppbv
 RT: 15.88 min Scan# 4073
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion: 105 Resp: 4198364
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.7 35.5
 91 13.7 10.9 16.3
 77 15.7 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 12.893 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.00 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 3935085

Ion Ratio Lower Upper

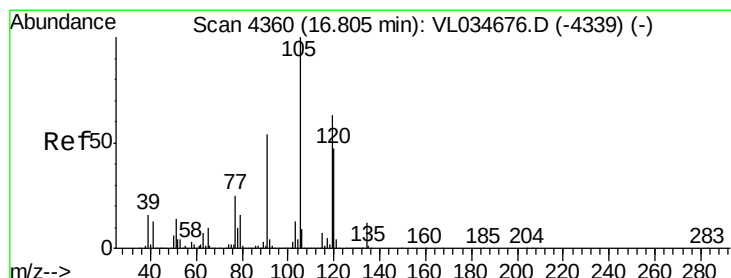
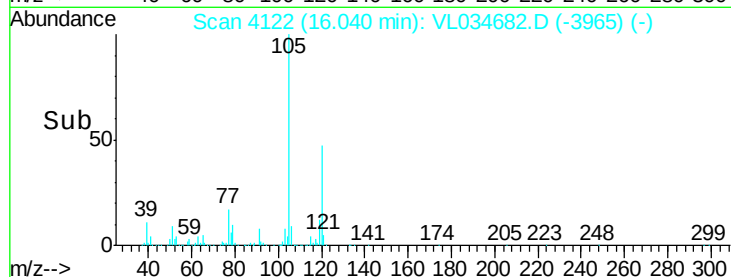
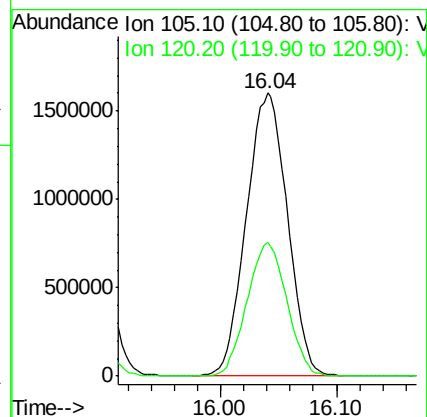
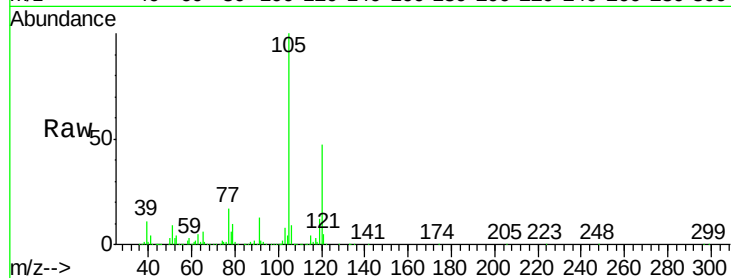
105 100

120 47.4 37.1 55.7

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 12.012 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.01 min

Lab File: VL034682.D

Acq: 26 Feb 2020 6:18

Tgt Ion:105 Resp: 3950654

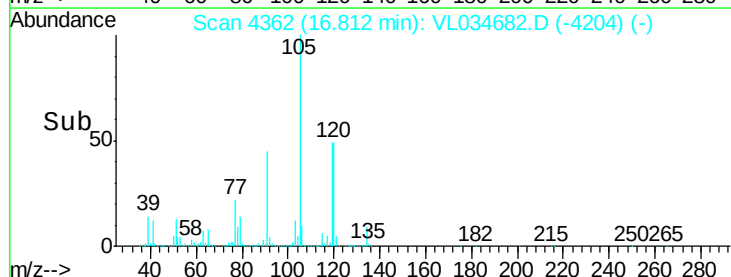
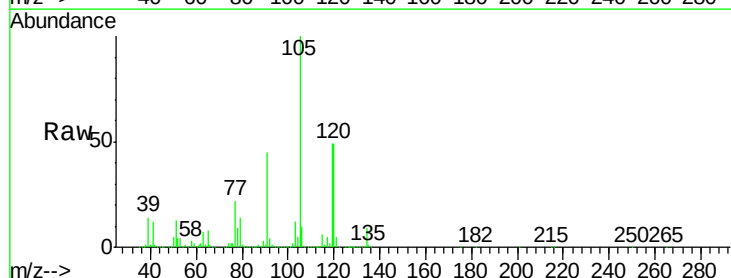
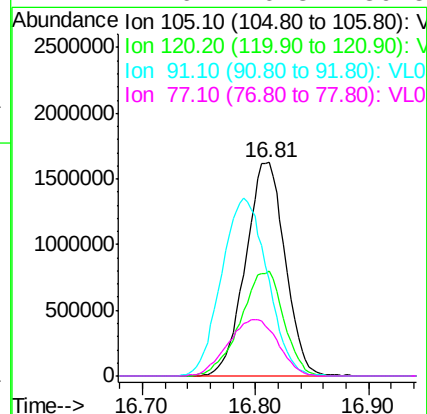
Ion Ratio Lower Upper

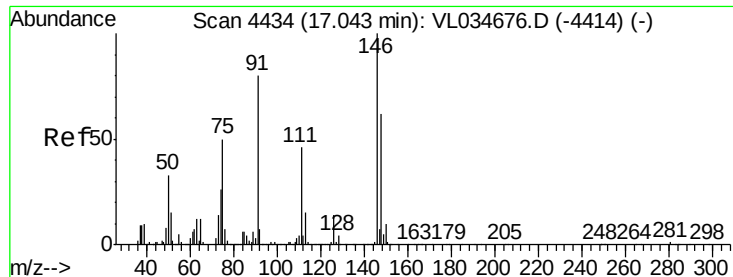
105 100

120 49.1 37.9 56.9

91 44.7 43.9 65.9

77 21.6 20.3 30.5





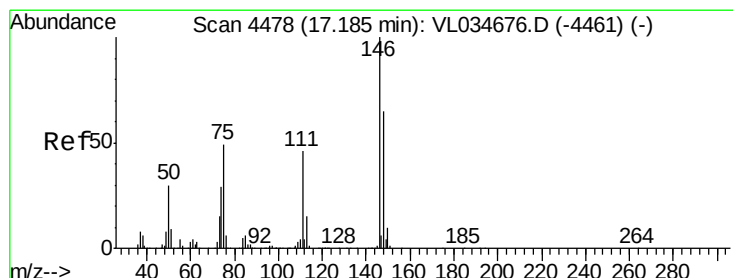
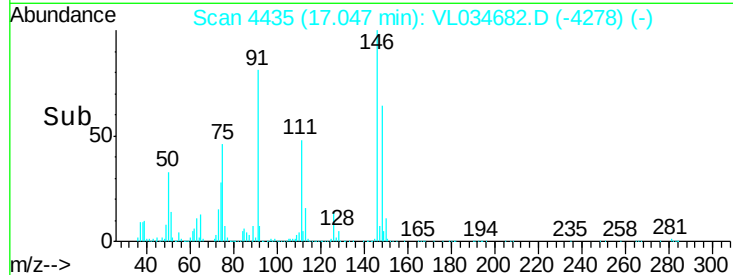
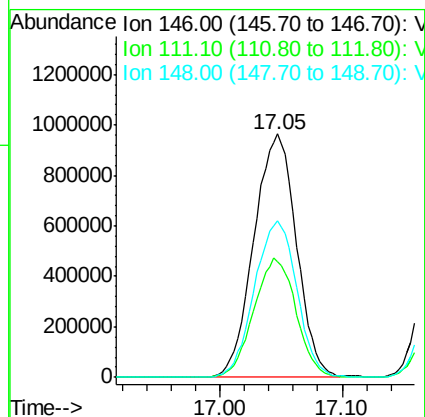
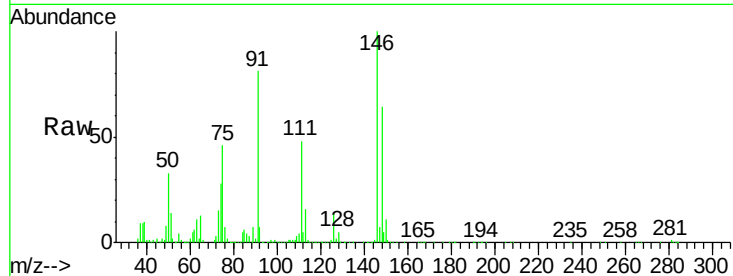
#75
 1,3-Dichlorobenzene
 Concen: 12.072 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 2330751
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.4 73.2
 148 64.1 32.5 97.4

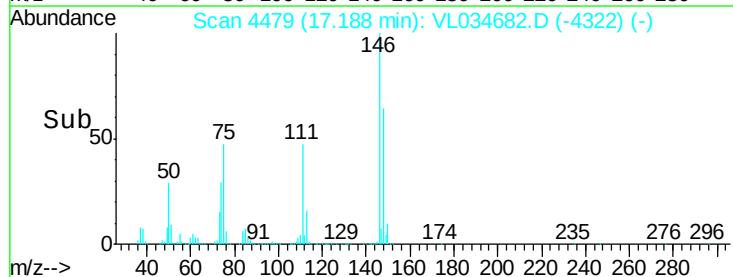
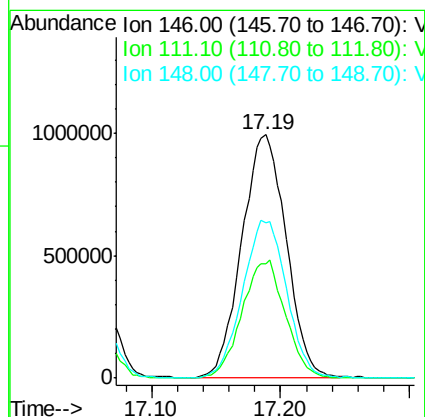
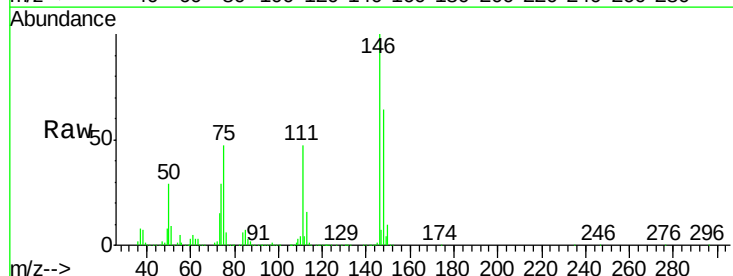
Manual Integrations
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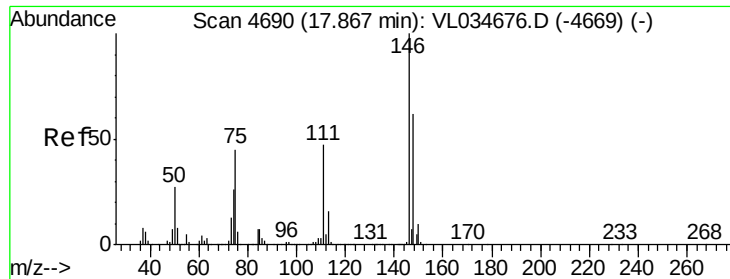
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#76
 1,4-Dichlorobenzene
 Concen: 12.455 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion:146 Resp: 2373310
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.0
 148 64.7 31.9 95.5





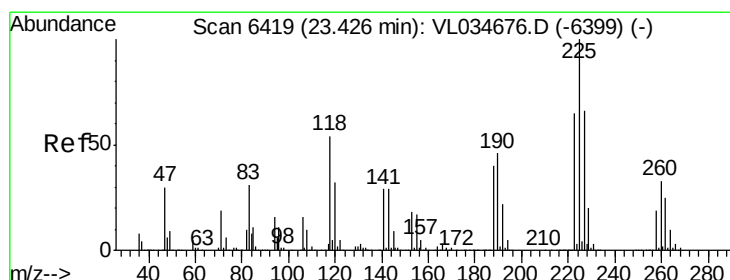
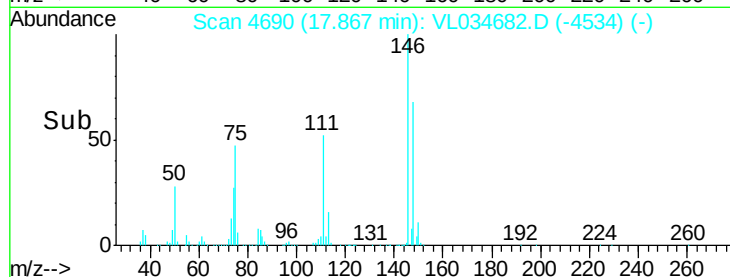
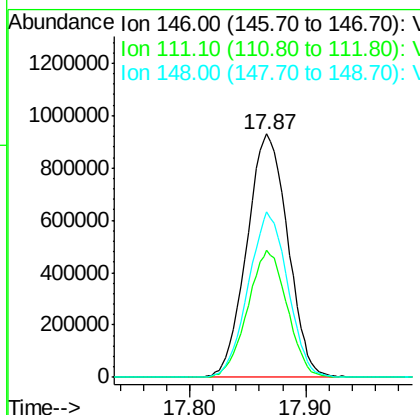
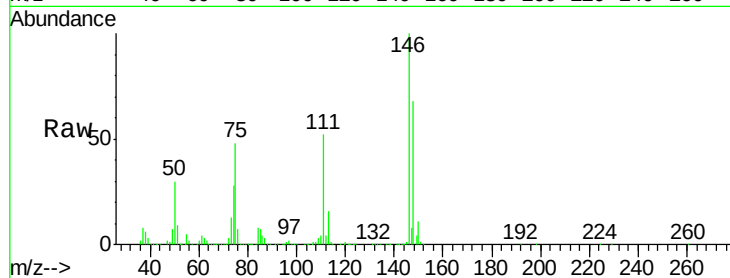
#77
 1,2-Dichlorobenzene
 Concen: 12.285 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.9	74.7
148	65.6	32.0	96.0

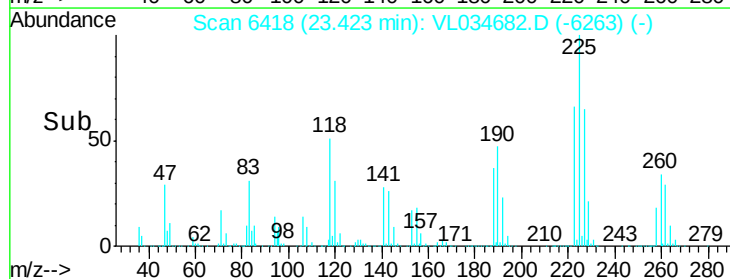
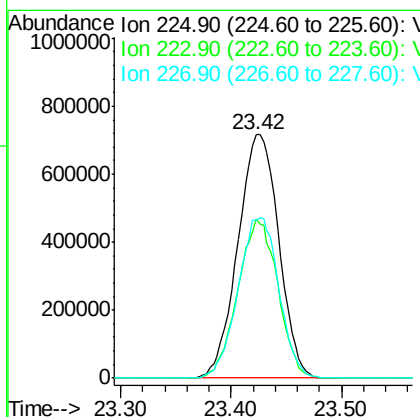
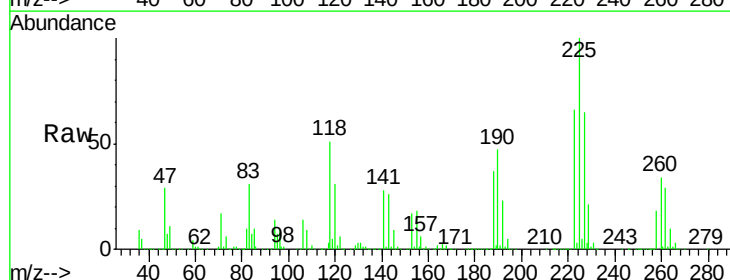
Manual Integrations
 APPROVED

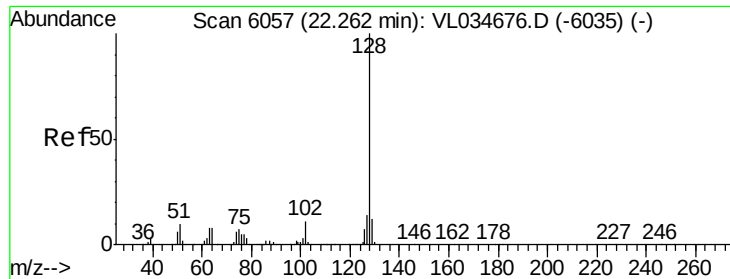
MMDadoda
 2/27/2020 5:19:35 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 12.080 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.3	76.9
227	65.7	51.3	76.9





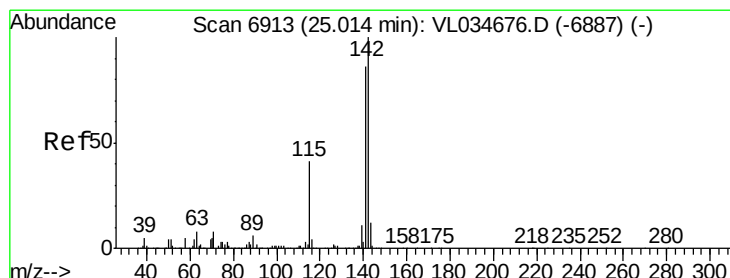
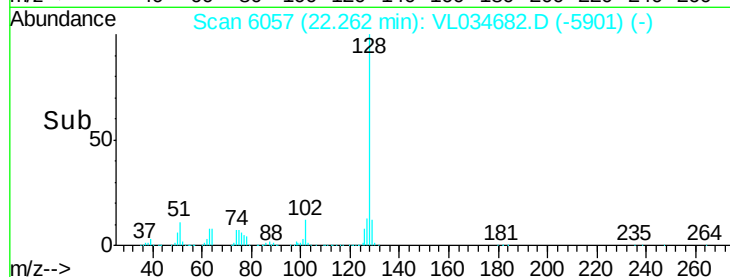
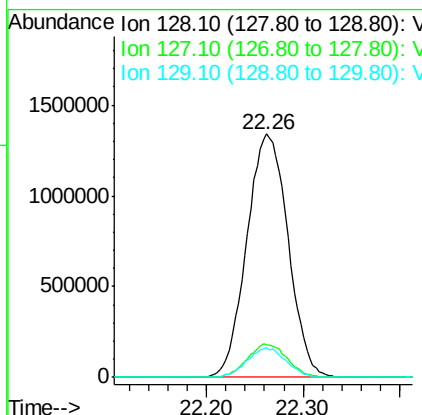
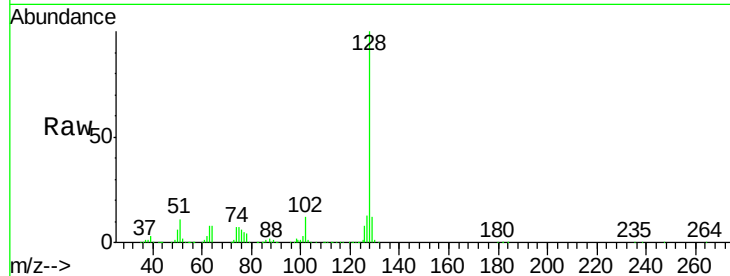
#79
Naphthalene
Concen: 15.858 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.6
129	12.2	9.4	14.2

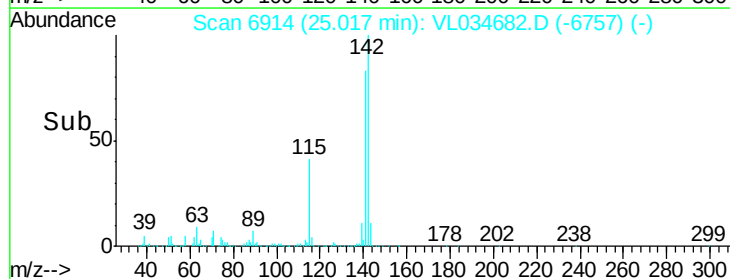
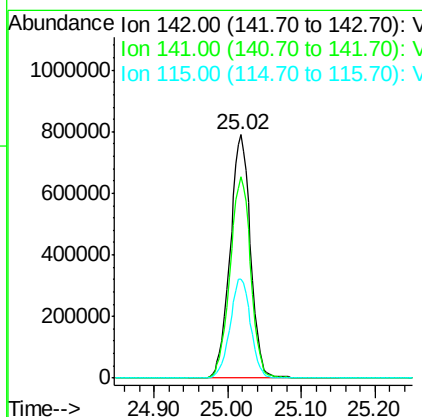
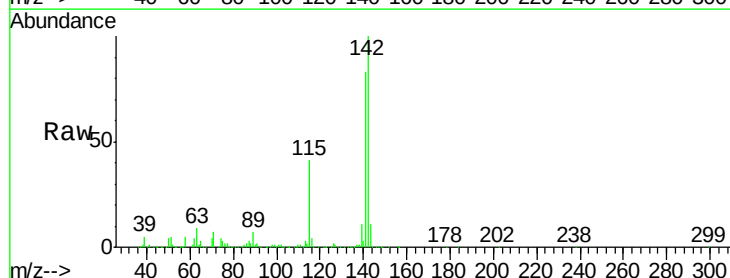
Manual Integrations
APPROVED

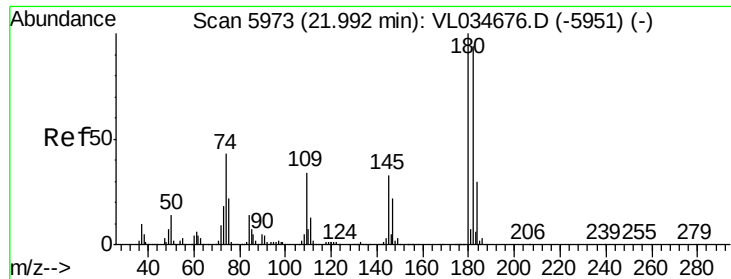
MMDadoda
2/27/2020 5:19:35 PM



#80
Naphthalene, 2-methyl-
Concen: 28.719 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL034682.D
Acq: 26 Feb 2020 6:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.5	99.7
115	41.4	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 14.562 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL034682.D
 Acq: 26 Feb 2020 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
184	31.5	25.2	37.8

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:19:35 PM

