

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022520\
 Data File : VL034674.D
 Acq On : 25 Feb 2020 15:47
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 12:39:00 PM

Quant Time: Feb 26 00:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 26 2020
 QLast Update : Tue Feb 25 15:47:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1160548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2421569	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2585667m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2044501	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1445508	7.993	ppbv	97
3) Chlorodifluoromethane	2.95	51	1278233	9.072	ppbv	99
4) Chloromethane	3.10	50	733342	8.437	ppbv	99
5) Vinyl Chloride	3.22	62	695398	8.725	ppbv	95
6) Bromomethane	3.44	94	384305	9.464	ppbv	94
7) Chloroethane	3.53	64	257669	8.800	ppbv	92
8) Dichlorotetrafluoroethane	3.15	85	1545834	8.480	ppbv	100
9) Propene	2.97	41	563625	9.807	ppbv	99
10) Heptane	8.14	43	1505635	9.890	ppbv	98
11) Trichlorofluoromethane	3.93	101	1523104	8.260	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1055482	8.290	ppbv	97
13) Ethanol	3.57	45	151881	8.836	ppbv	100
14) Bromoethene	3.71	108	481803	9.161	ppbv	100
15) Acetone	3.82	43	1235771	7.709	ppbv	99
16) 1,3-Butadiene	3.29	39	629238	9.247	ppbv	100
17) tert-Butyl alcohol	4.27	59	1125153	9.546	ppbv	100
18) 1,1-Dichloroethene	4.27	96	509766	8.781	ppbv	90
19) Isopropyl Alcohol	3.94	45	1035111	9.307	ppbv	99
20) Methylene Chloride	4.32	84	438558	7.456	ppbv	97
21) Allyl Chloride	4.39	41	884840	9.154	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	478582	8.422	ppbv	95
23) Vinyl Acetate	5.06	43	2052402	10.523	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1457761	8.845	ppbv	99
25) Ethyl Acetate	5.67	43	2488146	8.985	ppbv	99
26) Hexane	5.68	57	1147431	9.346	ppbv	97
27) Carbon Disulfide	4.53	76	1261096	9.059	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1763078	9.981	ppbv	99
29) Chloroform	5.75	83	1707937	8.775	ppbv	97
30) Cyclohexane	7.14	84	937518	9.999	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1154092	9.720	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1618591	9.136	ppbv	99
34) 2-Butanone	5.23	43	1684397	9.630	ppbv	99
35) Carbon Tetrachloride	7.03	117	1671182	8.974	ppbv	97
36) Benzene	6.90	78	2249634	9.694	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1356178	8.907	ppbv	99
38) Trichloroethene	7.85	130	822457	9.384	ppbv	99
39) 1,2-Dichloropropane	7.63	63	925814	9.708	ppbv	96
40) 1,4-Dioxane	7.84	88	353904	9.816	ppbv #	1
41) Tetrahydrofuran	6.05	42	964237	10.534	ppbv	99
42) Bromodichloromethane	7.81	83	1840188	9.340	ppbv	98
43) Methyl Methacrylate	8.03	69	938143	10.519	ppbv	99

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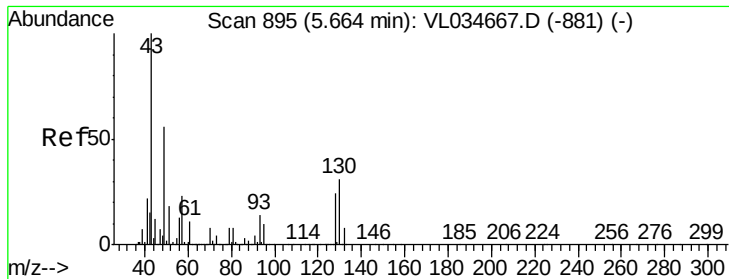
MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022520AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	3883601	9.319	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1124101	10.630	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1311680	10.617	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	917722	9.087	ppbv	99
48) Dibromochloromethane	10.34	129	1522025	9.789	ppbv	100
49) Bromoform	13.09	173	1313853	9.649	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2552184	10.242	ppbv	100
51) 2-Hexanone	10.16	43	2152139	10.909	ppbv #	99
52) Tetrachloroethene	11.26	164	745838	9.154	ppbv	97
53) Toluene	9.83	91	2535131	10.152	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1392398	9.984	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1011190	8.943	ppbv	100
57) Chlorobenzene	12.19	112	1853980	8.554	ppbv	97
58) Ethyl Benzene	12.75	91	3369137	9.636	ppbv	99
59) m/p-Xylene	13.04	91	5454446m	17.825	ppbv	
60) o-Xylene	13.74	91	2738469	8.956	ppbv	99
61) Styrene	13.57	104	2086086	9.847	ppbv	100
62) Isopropylbenzene	14.71	105	3667558	9.228	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2017496	8.348	ppbv	100
64) n-propylbenzene	15.61	120	949041	9.427	ppbv	97
65) tert-Butylbenzene	16.79	119	3225926	9.295	ppbv	100
66) Benzyl Chloride	17.04	91	1550327	11.641	ppbv	99
67) sec-Butylbenzene	17.34	105	4599104	9.306	ppbv	100
69) p-Isopropyltoluene	17.70	119	3752668	9.588	ppbv	99
70) n-Butylbenzene	18.60	91	4022738	9.650	ppbv	99
71) 2-Chlorotoluene	15.50	91	2893428	9.510	ppbv	100
72) 4-Ethyltoluene	15.89	105	3159955	9.389	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	3042268	9.518	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3098061	9.026	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	1718565	8.557	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1722844	8.709	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1724930	8.947	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1355801	8.711	ppbv	99
79) Naphthalene	22.27	128	2806292	10.974	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	933574	17.462	ppbv	97
81) 1,2,4-Trichlorobenzene	22.00	180	1478116	9.489	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034674.D

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Instrument :

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ClientSampleId :

ICVVL022520

Tot Ion: 49 Resp: 1160548

Ion Ratio Lower Upper

49 100

128 42.9 21.9 65.5

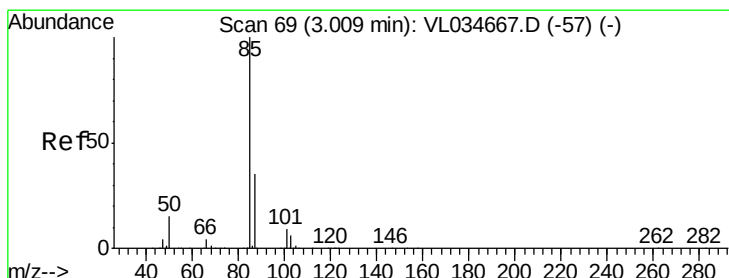
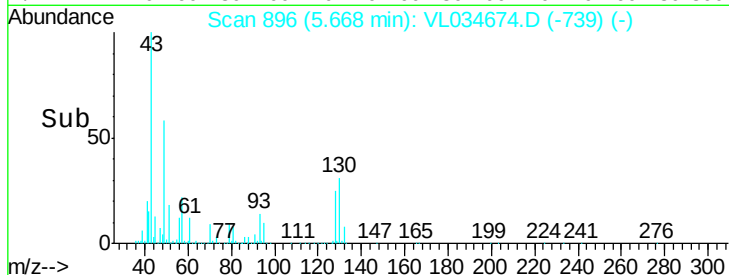
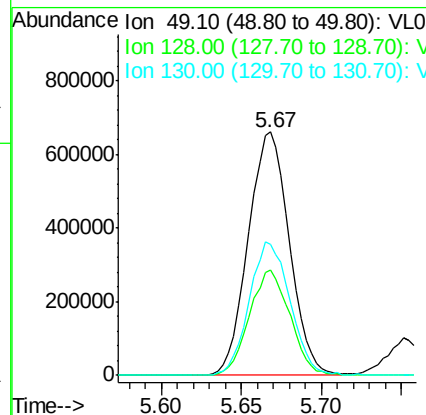
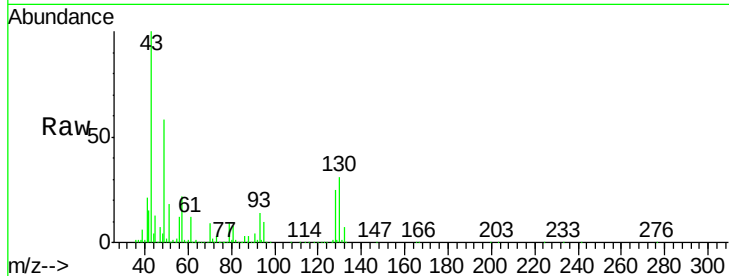
130 54.7 27.9 83.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 7.993 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034674.D

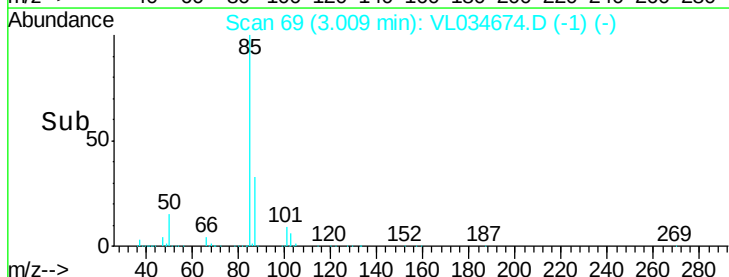
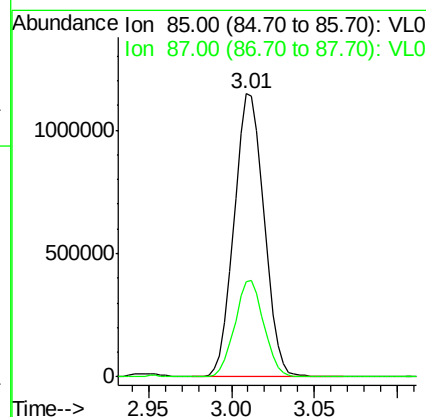
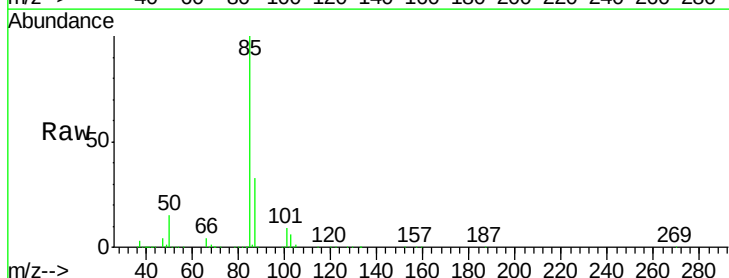
Acq: 25 Feb 2020 15:47

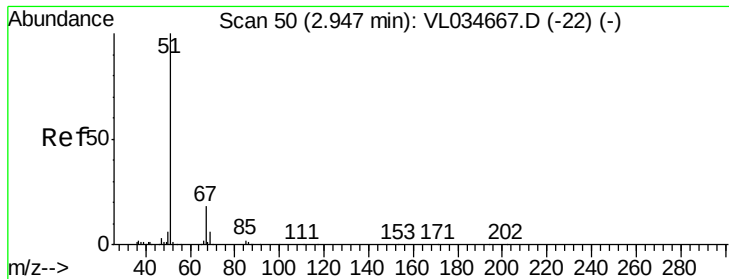
Tgt Ion: 85 Resp: 1445508

Ion Ratio Lower Upper

85 100

87 33.4 27.9 41.9





#3

Chlorodifluoromethane

Concen: 9.072 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tot Ion: 51 Resp: 1278233

Ion Ratio Lower Upper

51 100

67 18.3 15.0 22.4

Instrument :

MSVOA_L

ClientSampleId :

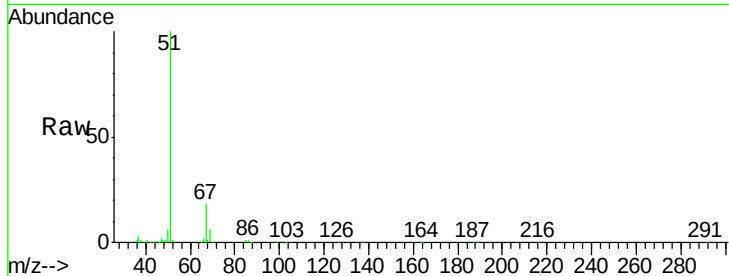
ICVVL022520

Manual Integrations

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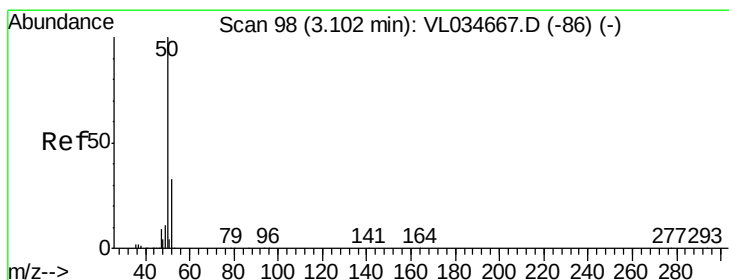
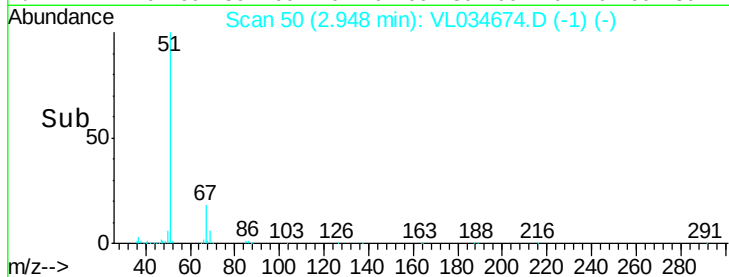
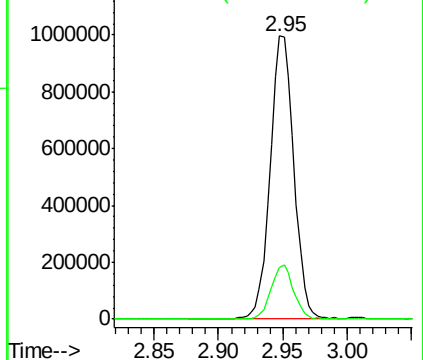
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.437 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034674.D

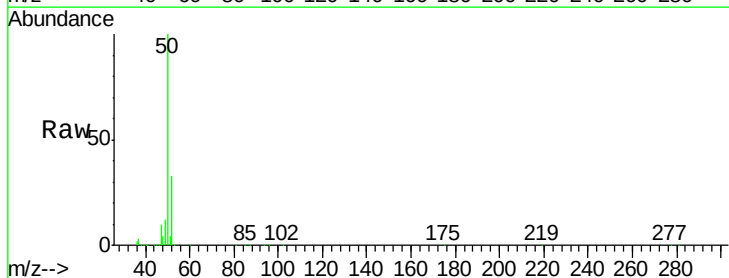
Acq: 25 Feb 2020 15:47

Tgt Ion: 50 Resp: 733342

Ion Ratio Lower Upper

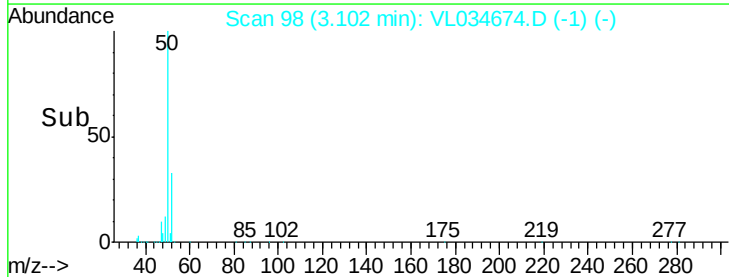
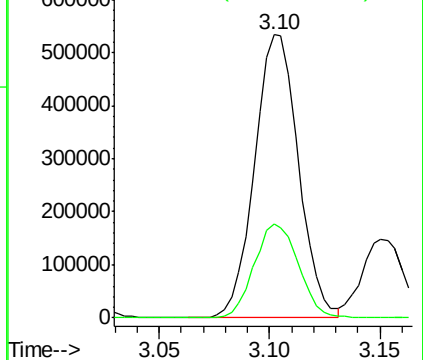
50 100

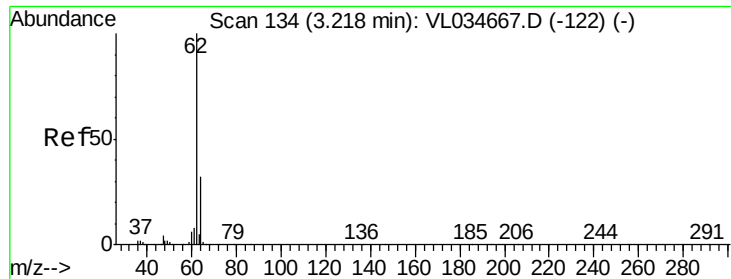
52 33.3 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.725 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 62 Resp: 695398

Ion Ratio Lower Upper

62 100

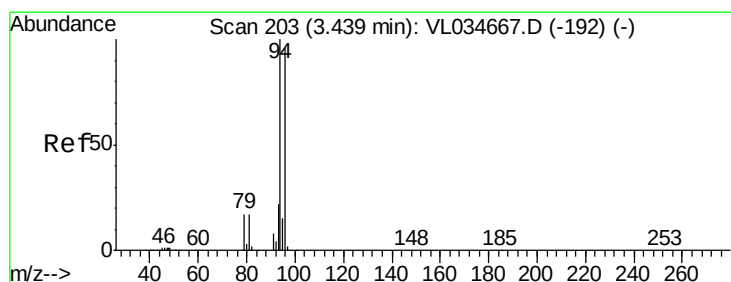
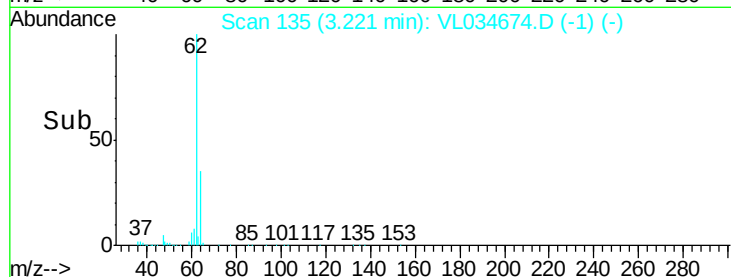
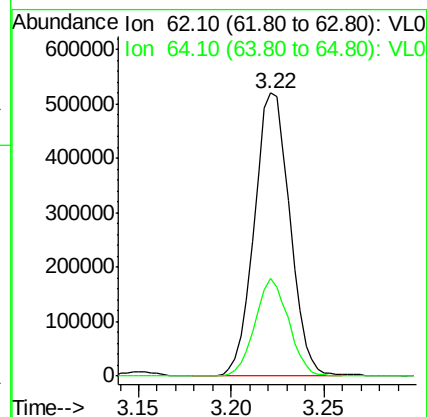
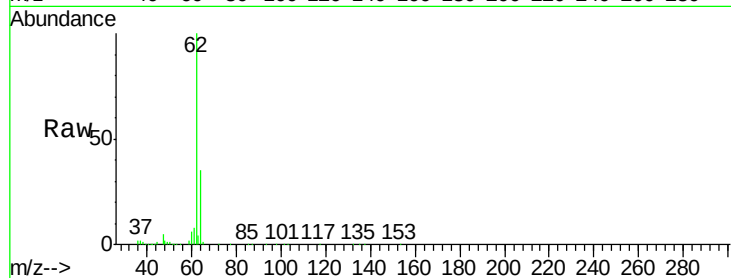
64 34.7 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.464 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034674.D

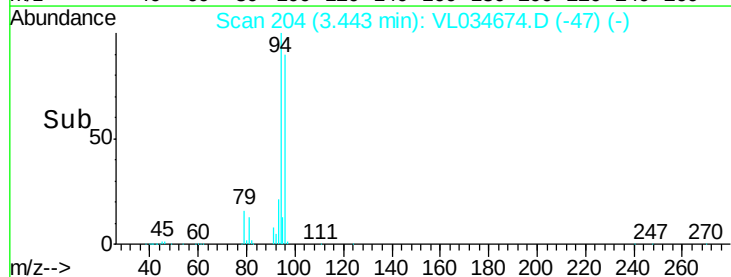
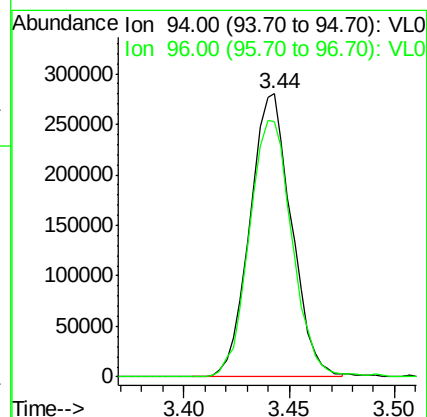
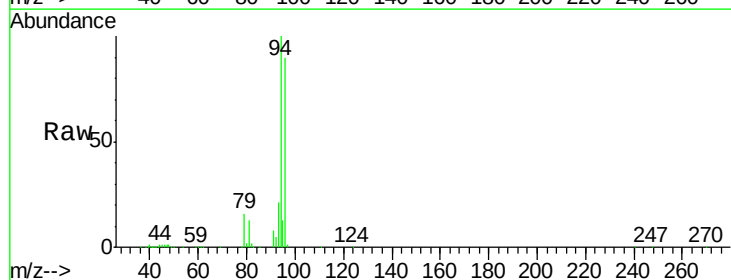
Acq: 25 Feb 2020 15:47

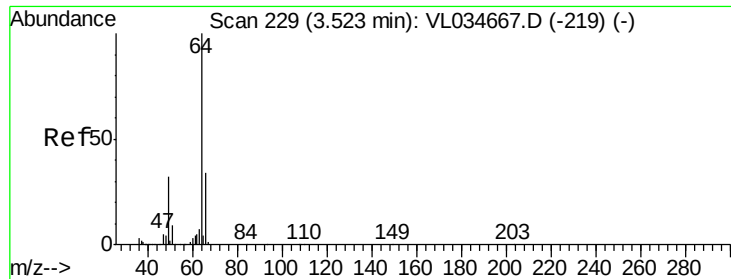
Tgt Ion: 94 Resp: 384305

Ion Ratio Lower Upper

94 100

96 90.2 77.0 115.4





#7

Chloroethane

Concen: 8.800 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 64 Resp: 257669

Ion Ratio Lower Upper

64 100

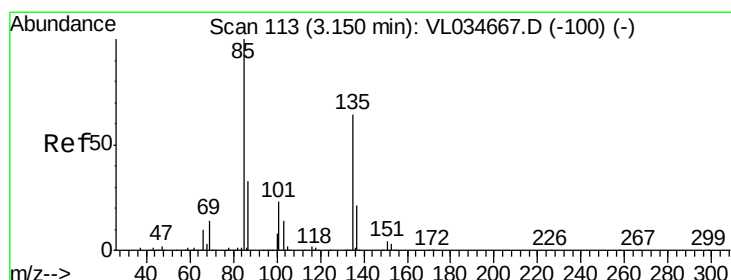
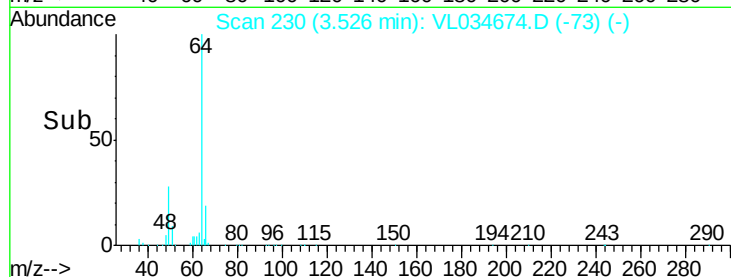
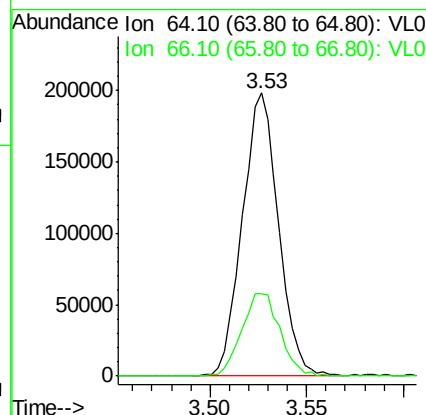
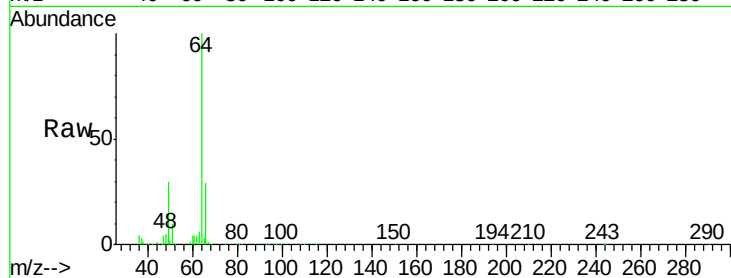
66 29.0 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.480 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034674.D

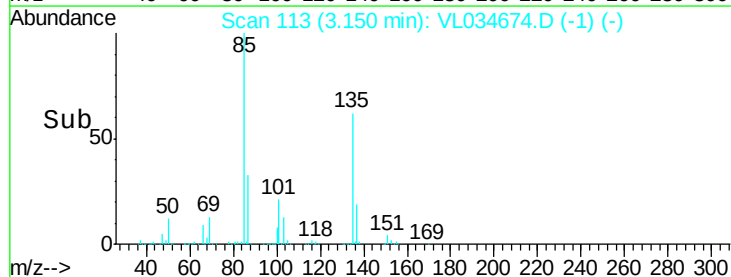
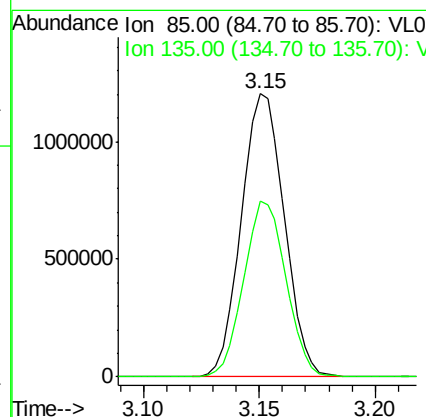
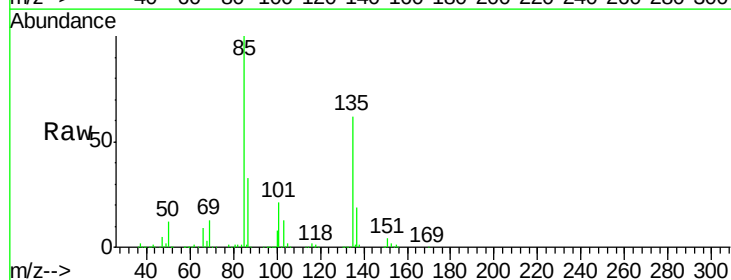
Acq: 25 Feb 2020 15:47

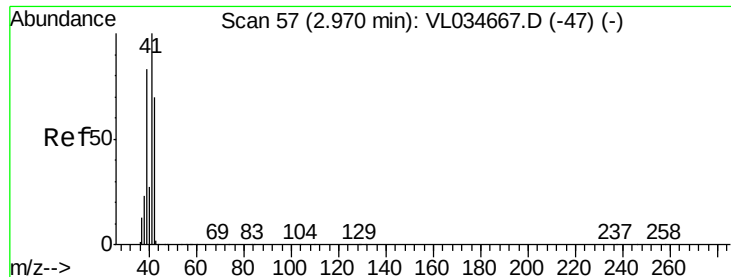
Tgt Ion: 85 Resp: 1545834

Ion Ratio Lower Upper

85 100

135 61.4 49.3 73.9





#9

Propene

Concen: 9.807 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tot Ion: 41 Resp: 563625

Ion Ratio Lower Upper

41 100

42 70.3 57.0 85.4

Instrument :

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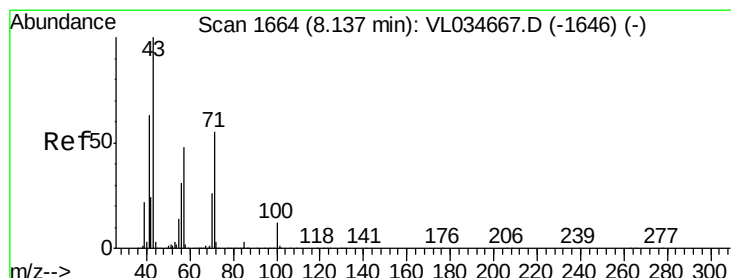
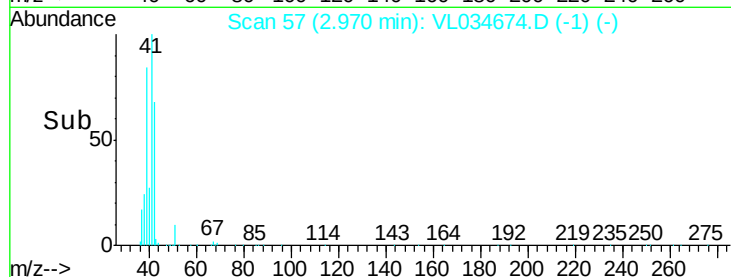
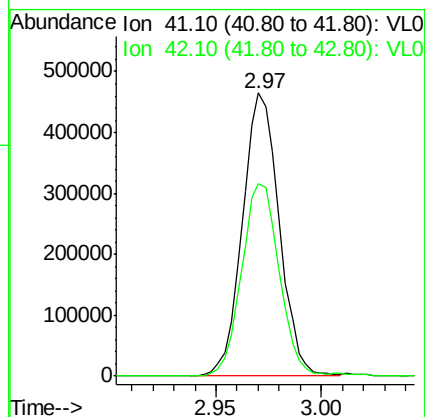
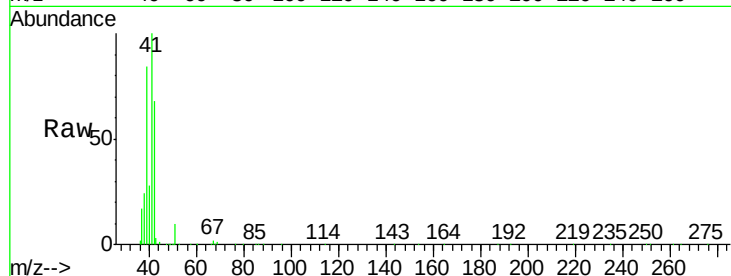
ICVVL022520

Manual Integrations

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#10

Heptane

Concen: 9.890 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034674.D

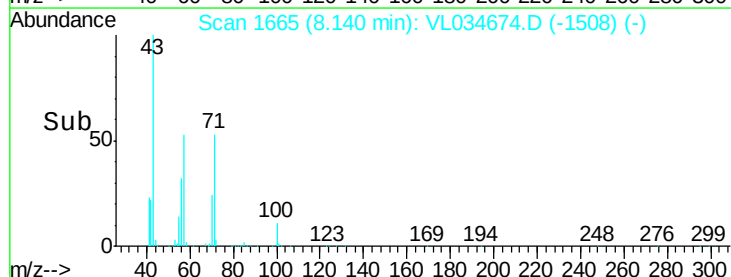
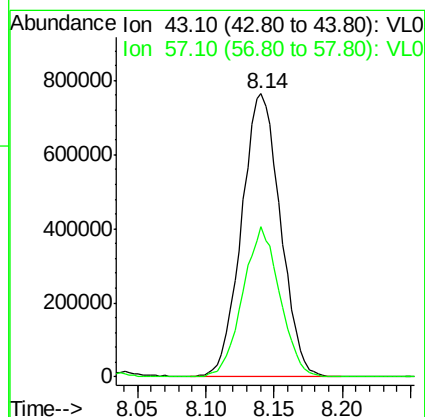
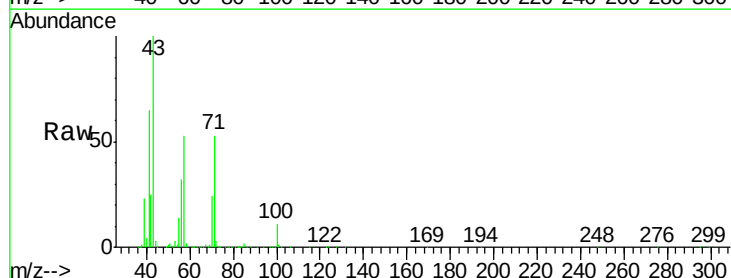
Acq: 25 Feb 2020 15:47

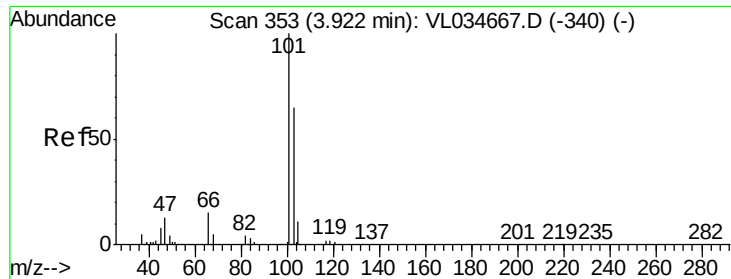
Tgt Ion: 43 Resp: 1505635

Ion Ratio Lower Upper

43 100

57 51.0 41.7 62.5





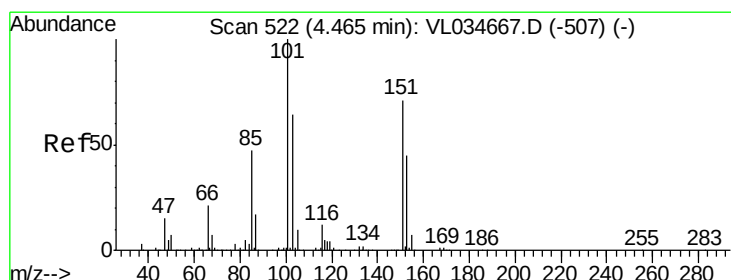
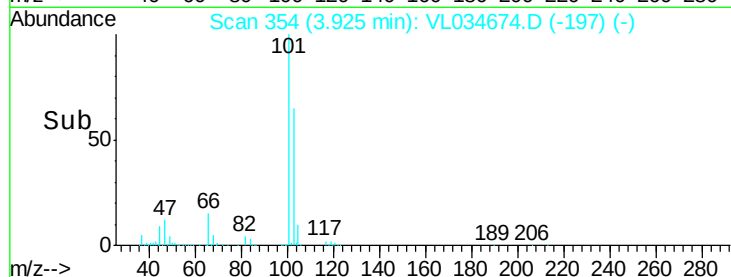
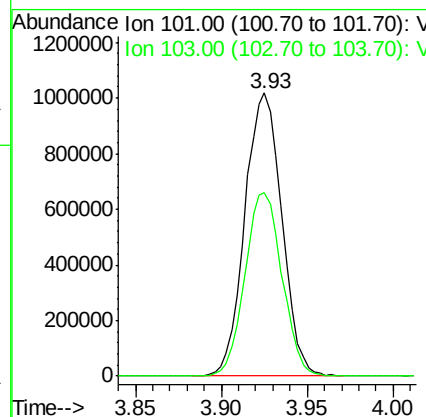
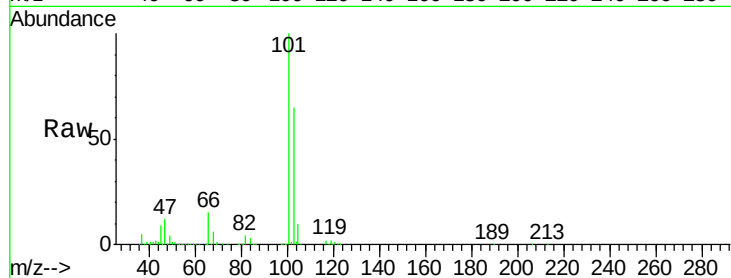
#11
 Trichlorofluoromethane
 Concen: 8.260 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion:101 Resp: 1523104
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5

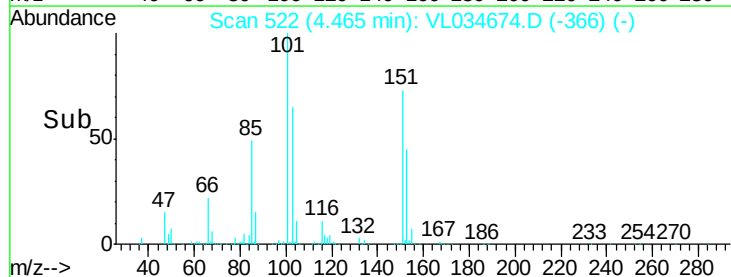
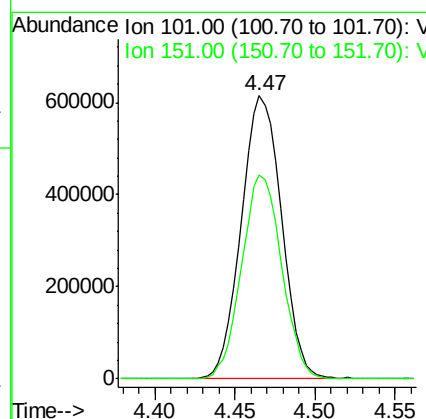
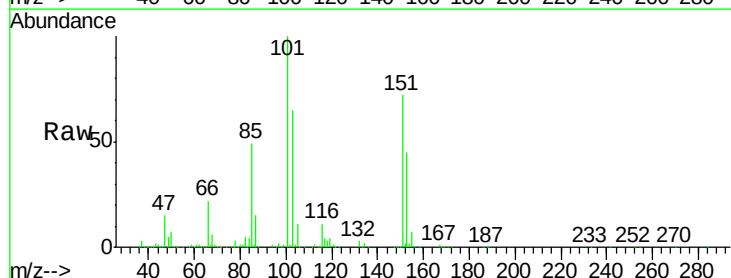
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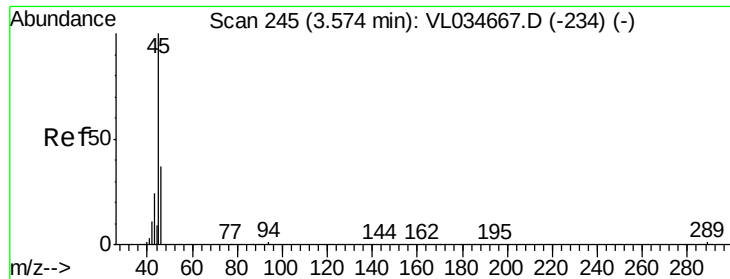
MMDadoda
 2/26/2020 12:39:00 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.290 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion:101 Resp: 1055482
 Ion Ratio Lower Upper
 101 100
 151 71.6 55.5 83.3





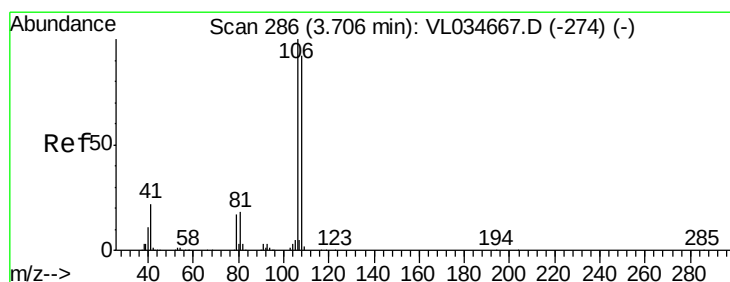
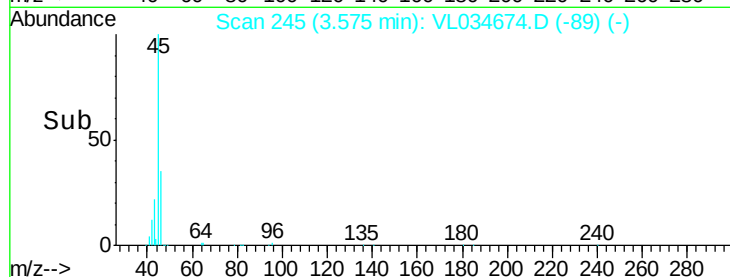
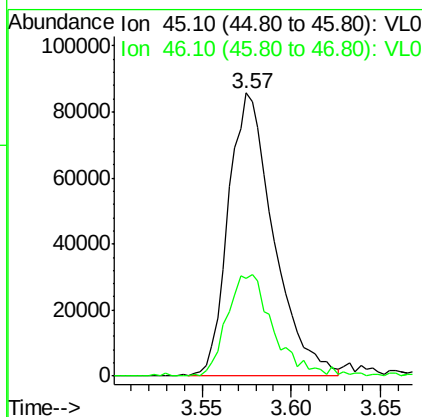
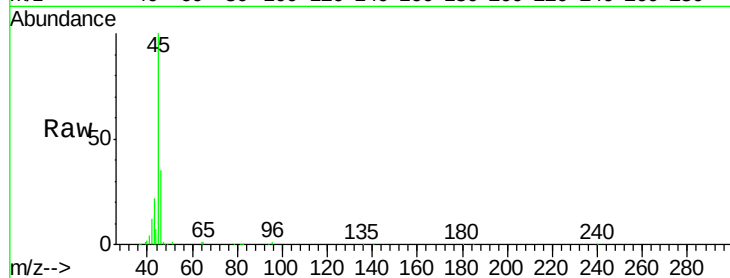
#13
Ethanol
Concen: 8.836 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.7	15.1	60.5

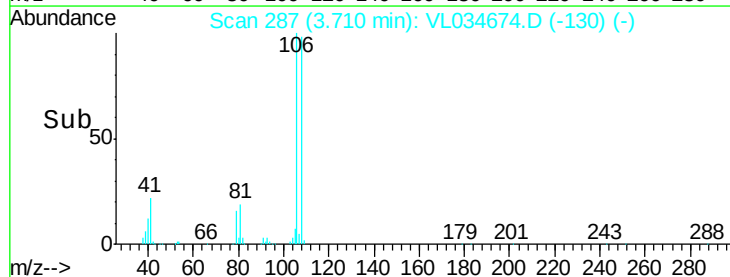
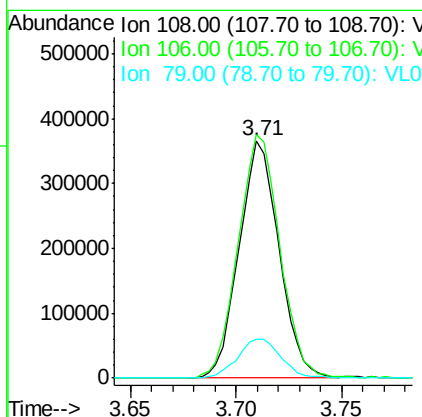
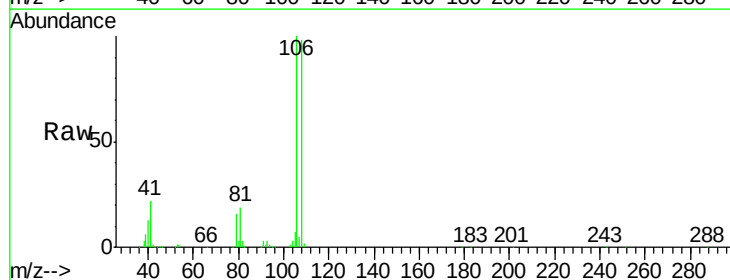
Manual Integrations
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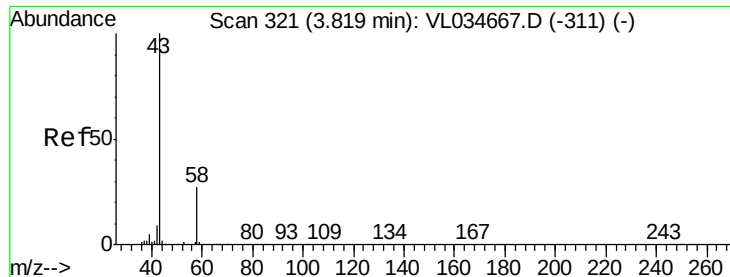
MMDadoda
2/26/2020 12:39:00 PM



#14
Bromoethene
Concen: 9.161 ppbv
RT: 3.71 min Scan# 287
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.9	86.4	129.6
79	18.2	14.6	22.0





#15

Acetone

Concen: 7.709 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 43 Resp: 1235771

Ion Ratio Lower Upper

43 100

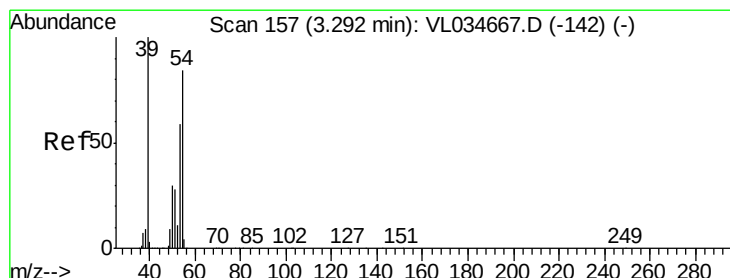
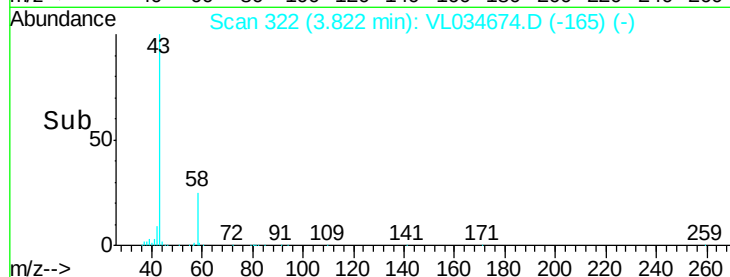
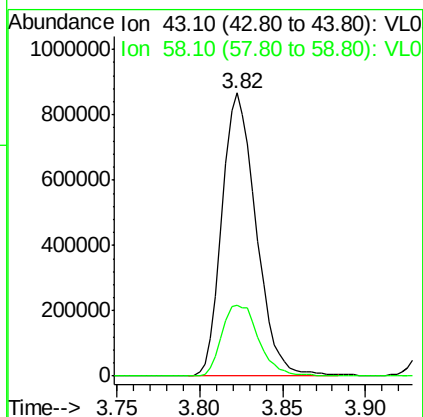
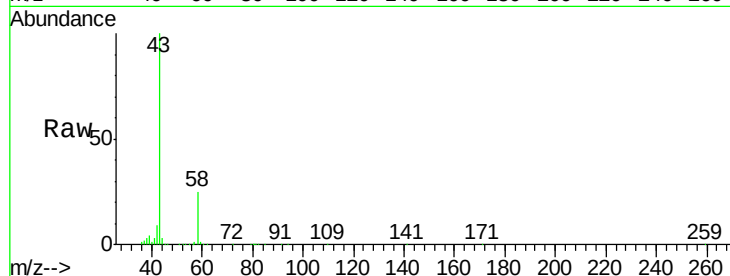
58 27.4 21.4 32.0

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.247 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034674.D

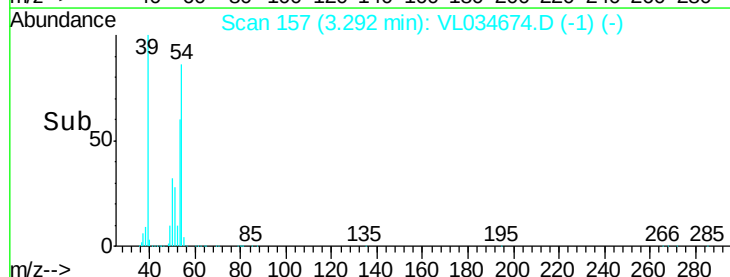
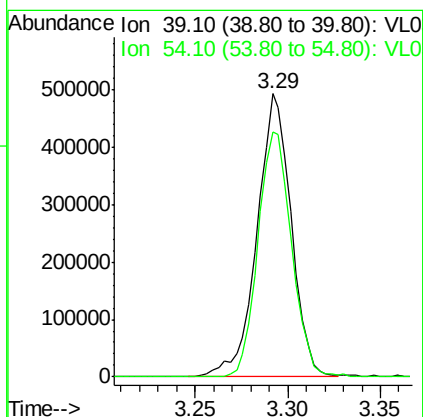
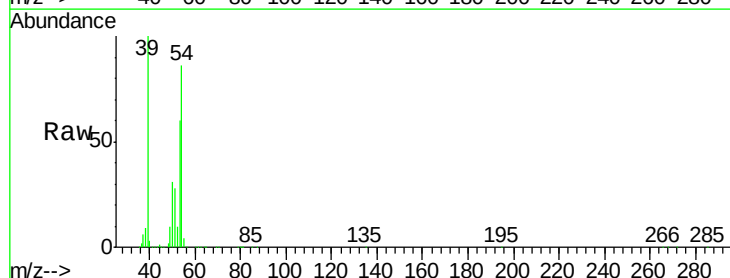
Acq: 25 Feb 2020 15:47

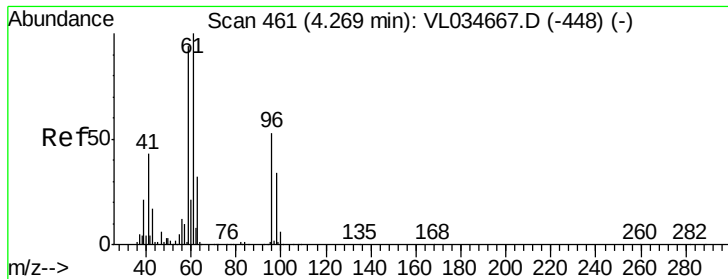
Tgt Ion: 39 Resp: 629238

Ion Ratio Lower Upper

39 100

54 85.4 68.2 102.2





#17

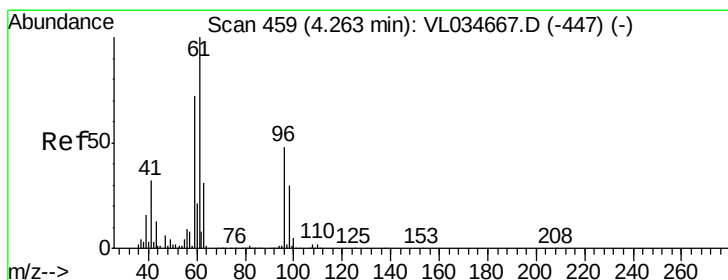
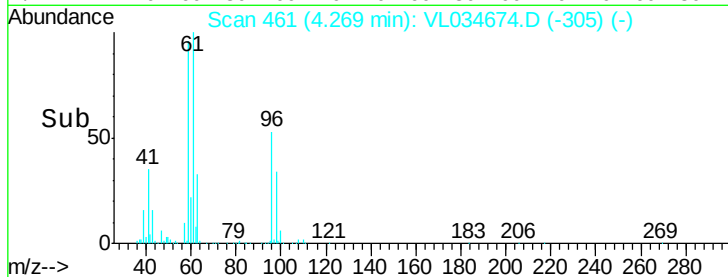
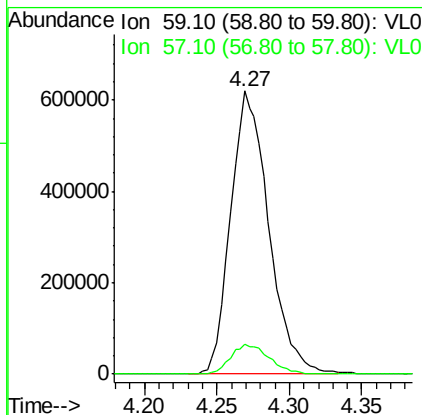
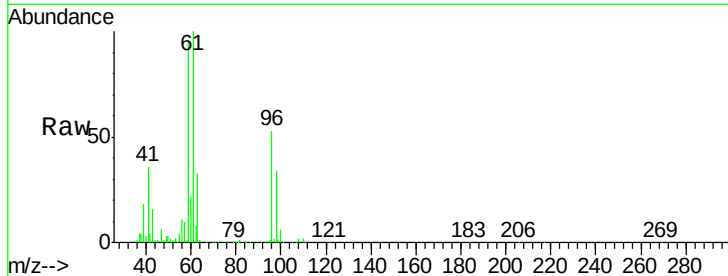
tert-Butyl alcohol
Concen: 9.546 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion: 59 Resp: 1125153
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

Manual Integrations
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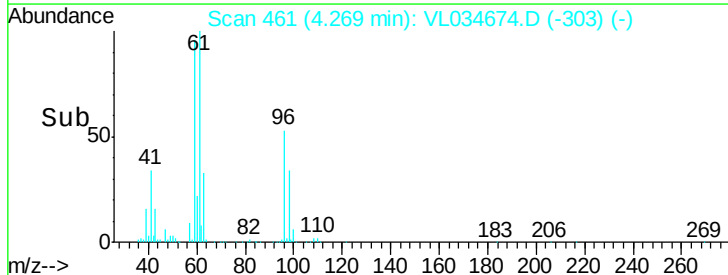
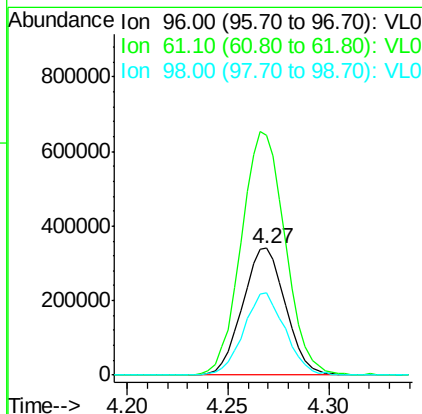
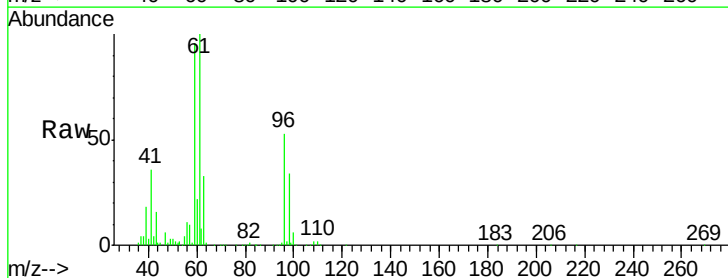
MMDadoda
2/26/2020 12:39:00 PM

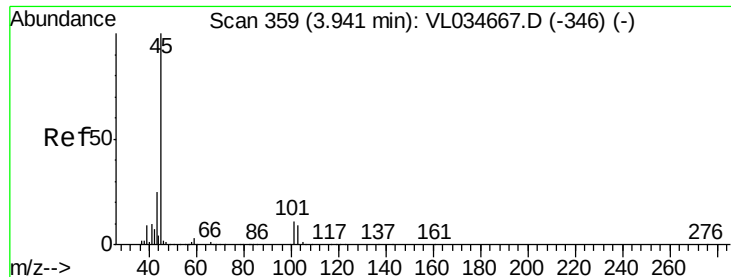


#18

1,1-Dichloroethene
Concen: 8.781 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 96 Resp: 509766
Ion Ratio Lower Upper
96 100
61 189.1 165.3 247.9
98 64.5 48.9 73.3





#19

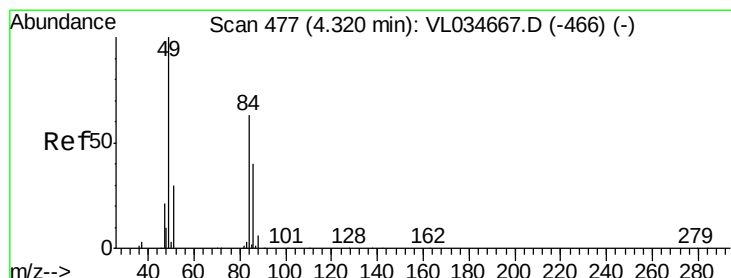
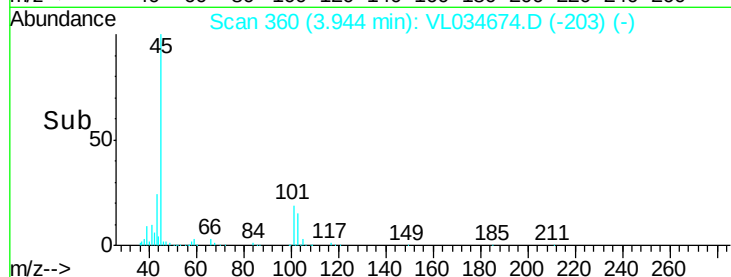
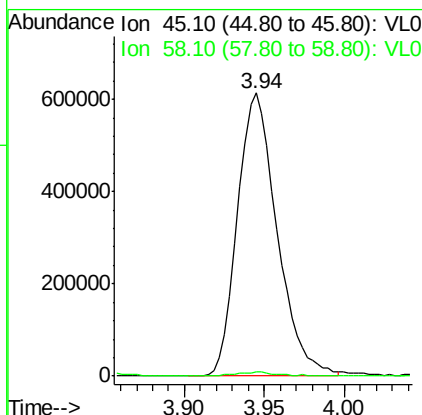
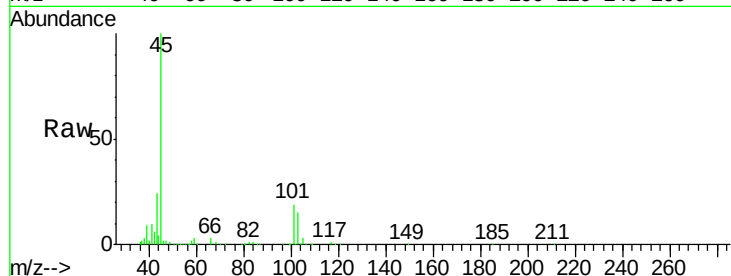
Isopropyl Alcohol
 Concen: 9.307 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion: 45 Resp: 1035111
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.8 2.8

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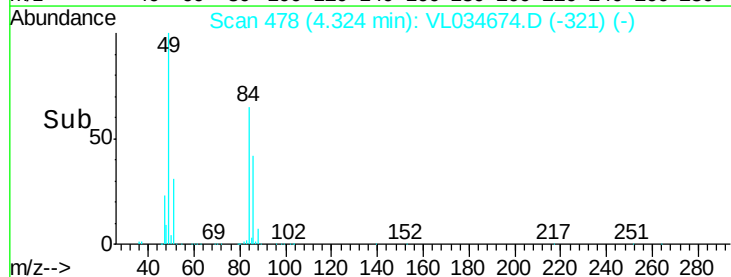
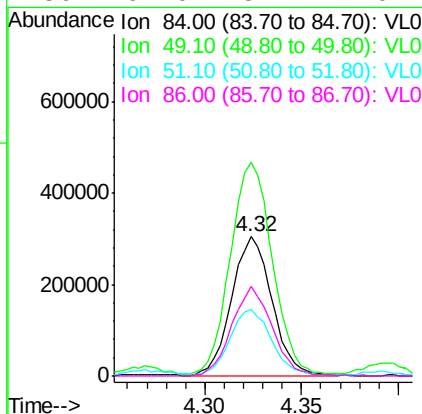
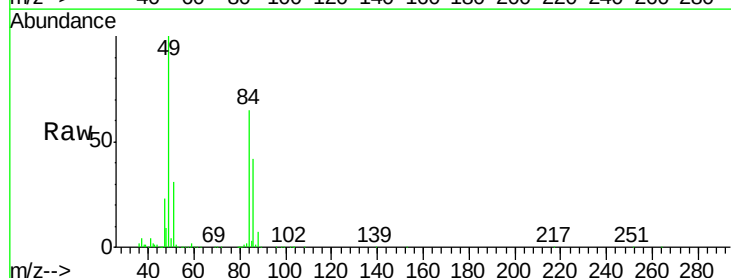
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 2/26/2020 12:39:00 PM

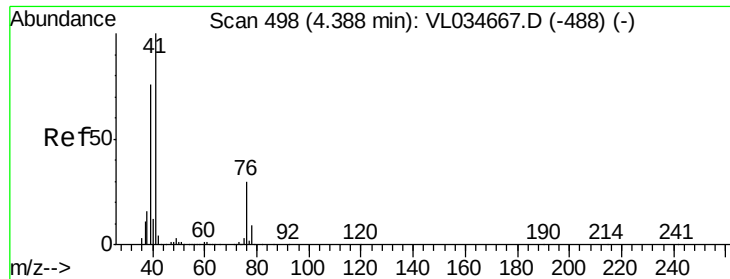


#20

Methylene Chloride
 Concen: 7.456 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 84 Resp: 438558
 Ion Ratio Lower Upper
 84 100
 49 153.5 127.6 191.4
 51 47.7 39.7 59.5
 86 64.0 51.1 76.7





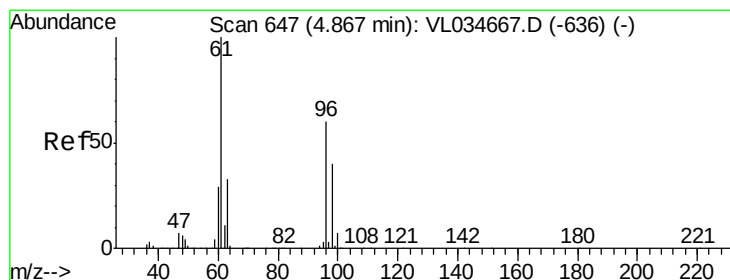
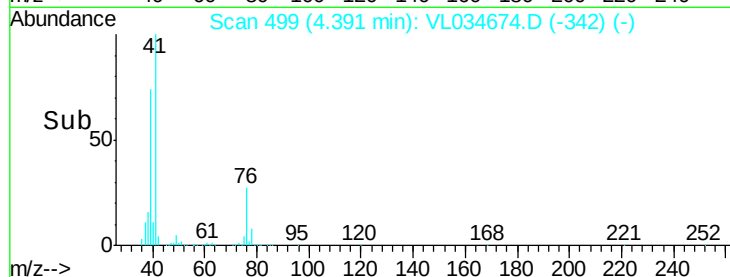
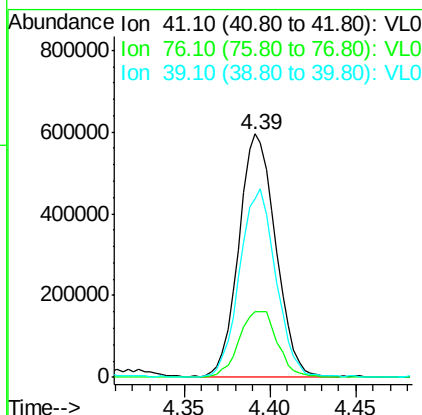
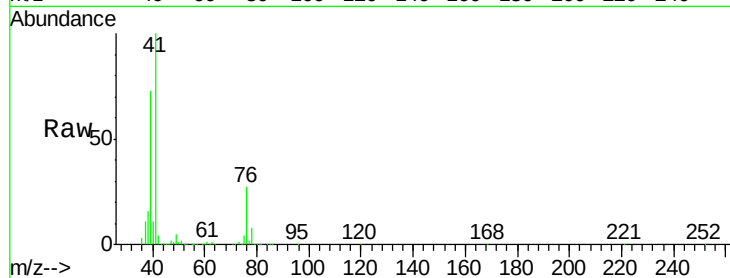
#21
Allvl Chloride
Concen: 9.154 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	23.6	35.4
39	76.7	61.6	92.4

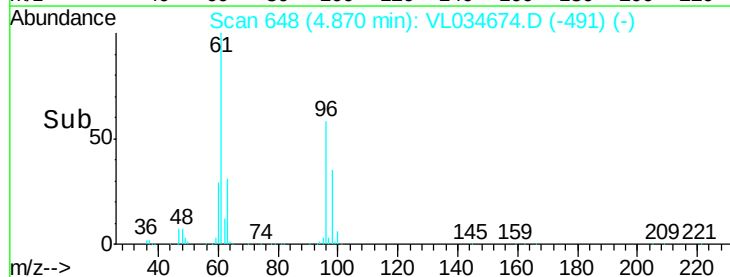
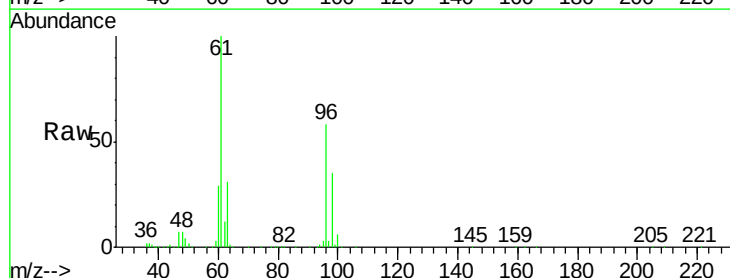
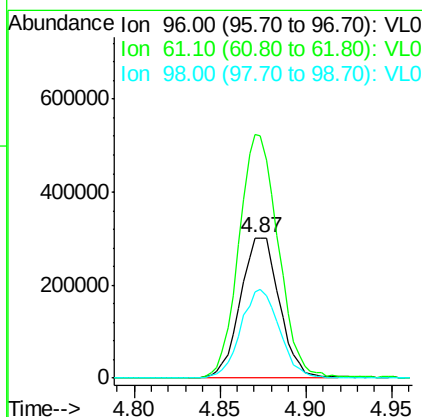
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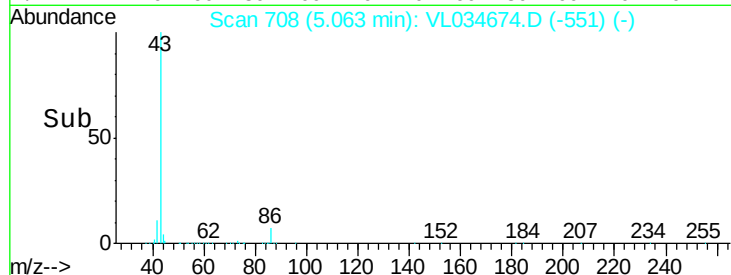
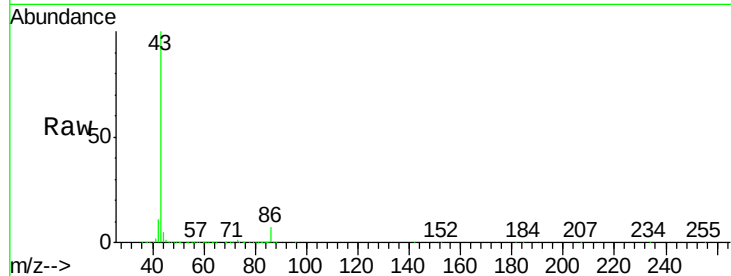
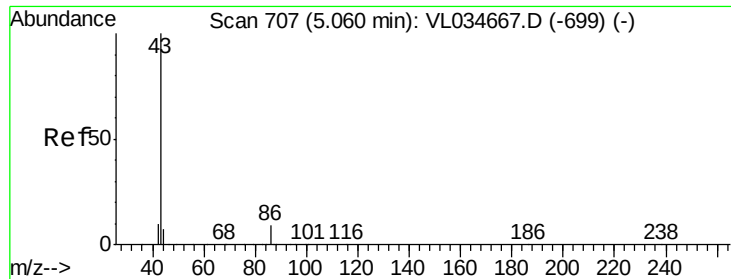
MMDadoda
2/26/2020 12:39:00 PM



#22
trans-1,2-Dichloroethene
Concen: 8.422 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	134.3	201.5
98	61.0	53.8	80.8





#23

Vinyl Acetate

Concen: 10.523 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tot Ion: 43 Resp: 2052402

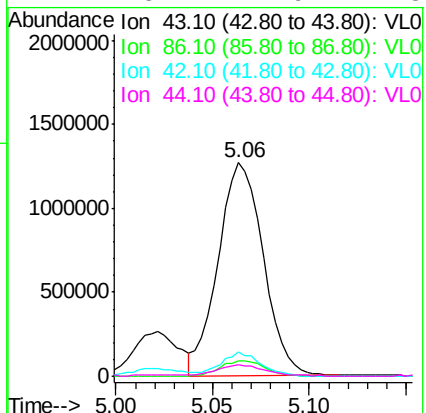
Ion Ratio Lower Upper

43 100

86 6.9 6.3 9.5

42 11.3 8.6 12.8

44 5.1 4.9 7.3



Instrument :

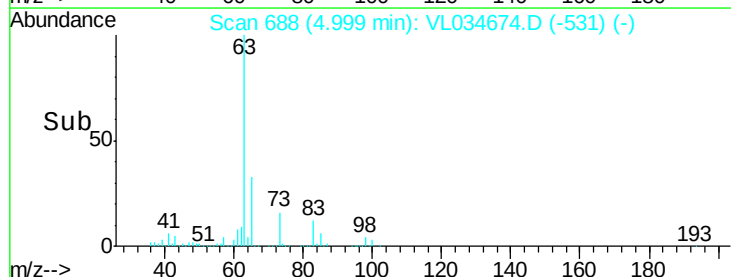
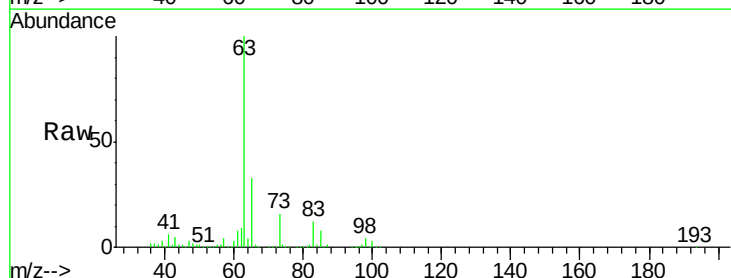
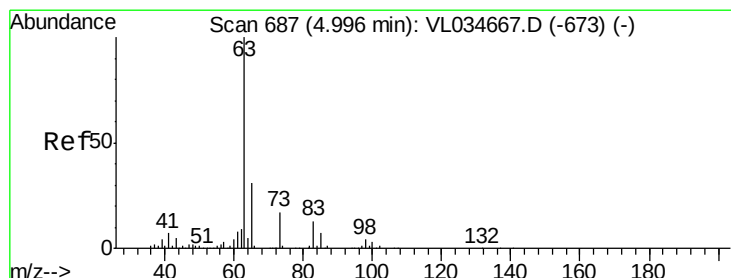
MSVOA_L

ClientSampleId :

ICVVL022520

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#24

1,1-Dichloroethane

Concen: 8.845 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

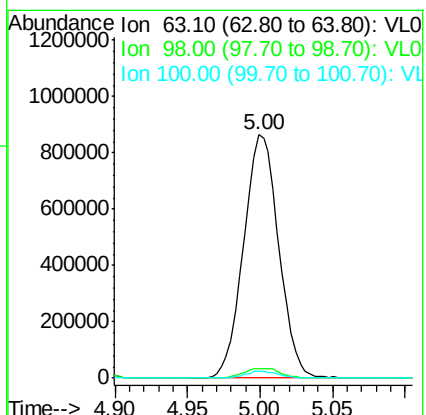
Tgt Ion: 63 Resp: 1457761

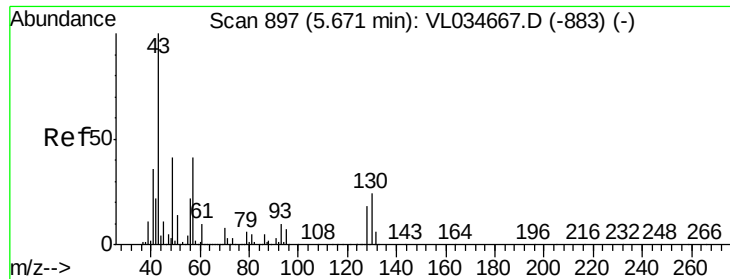
Ion Ratio Lower Upper

63 100

98 3.8 2.2 6.6

100 2.7 1.4 4.2





#25

Ethyl Acetate

Concen: 8.985 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL034674.D

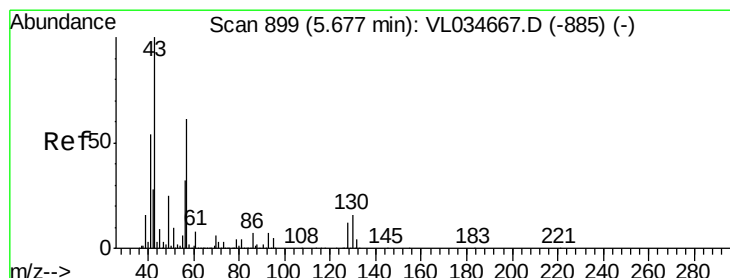
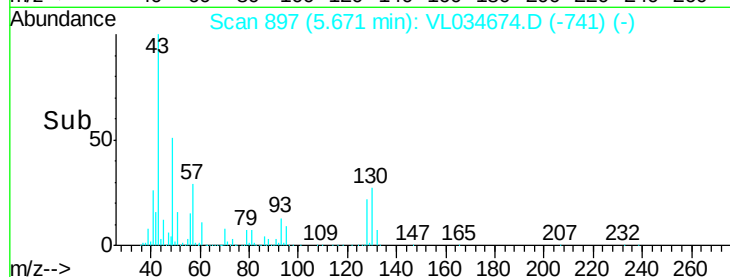
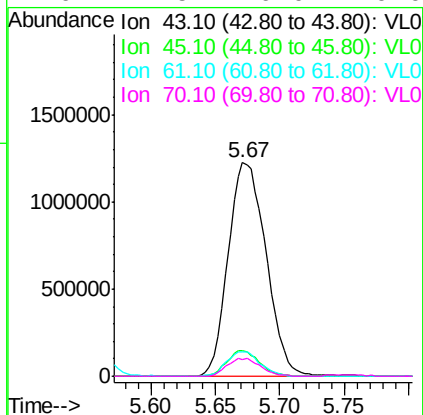
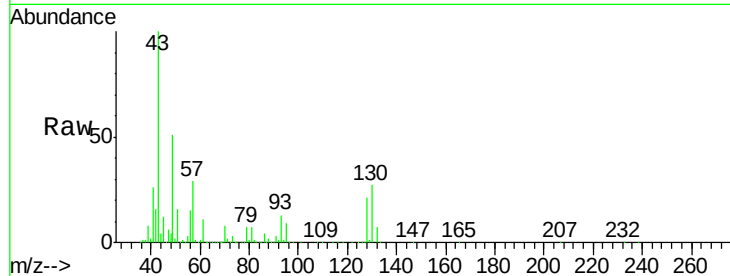
Acq: 25 Feb 2020 15:47

Tot Ion	43	Resp	2488146
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	10.4	7.8	11.6
70	7.5	6.0	9.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Manual Integrations
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#26

Hexane

Concen: 9.346 ppbv

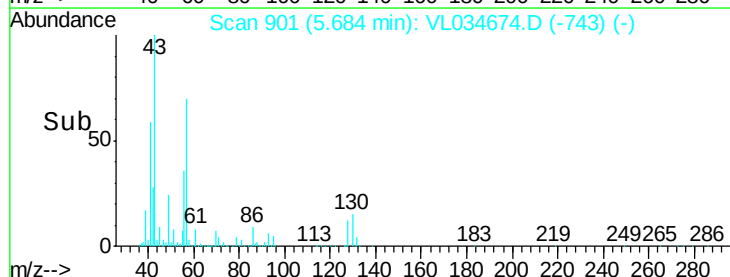
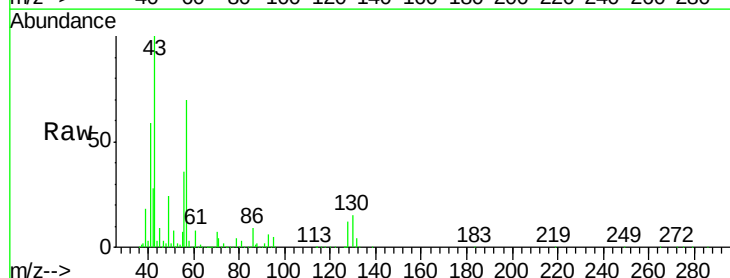
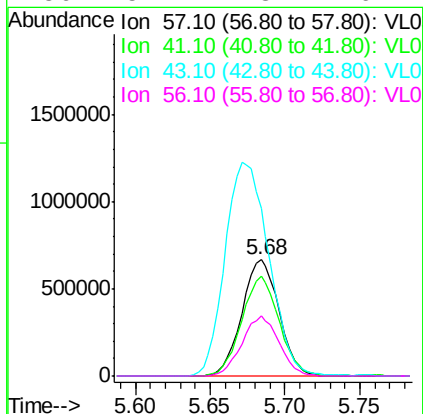
RT: 5.68 min Scan# 901

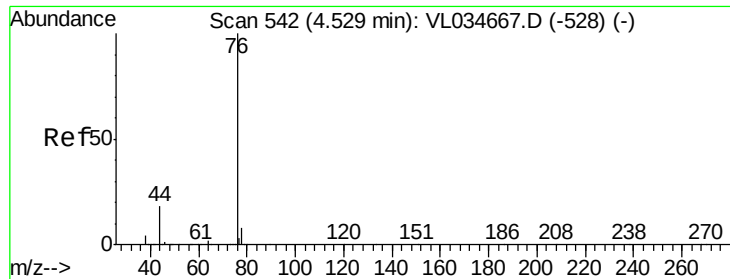
Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion	57	Resp	1147431
Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.0	108.0
43	219.2	178.7	268.1
56	51.7	43.1	64.7





#27

Carbon Disulfide

Concen: 9.059 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 76 Resp: 1261096

Ion Ratio Lower Upper

76 100

44 19.2 15.0 22.4

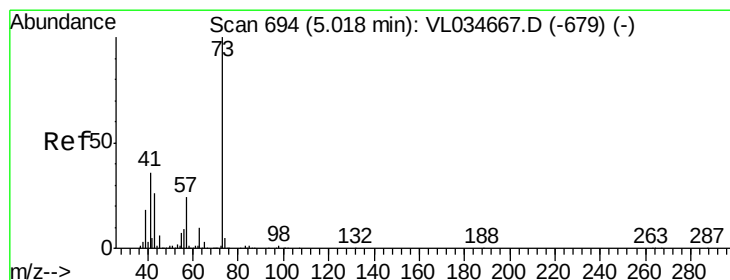
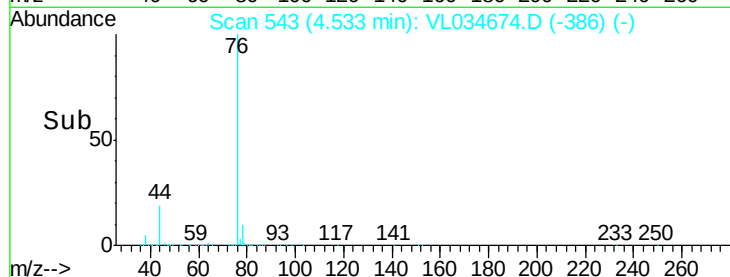
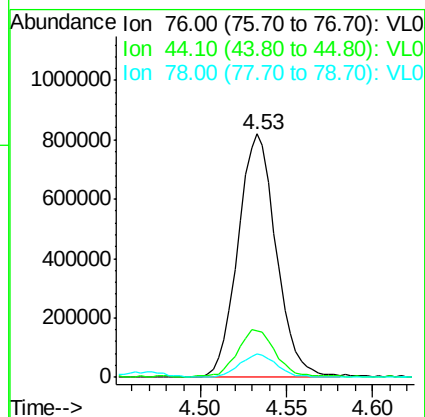
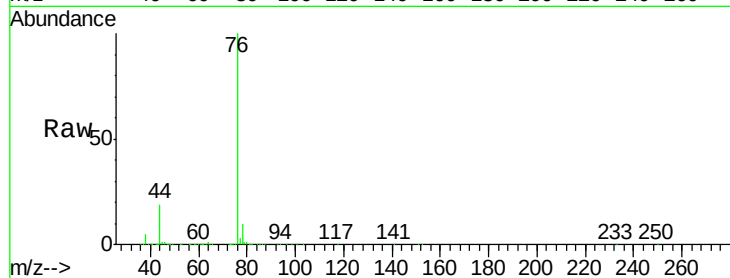
78 9.3 7.7 11.5

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.981 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL034674.D

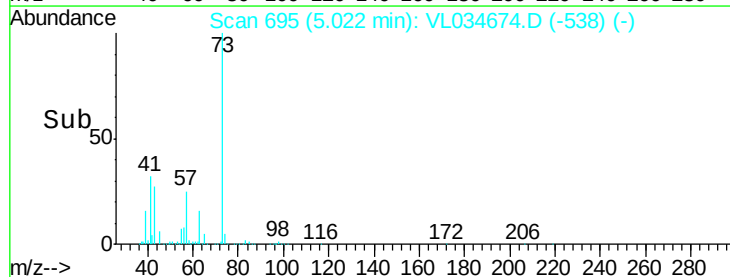
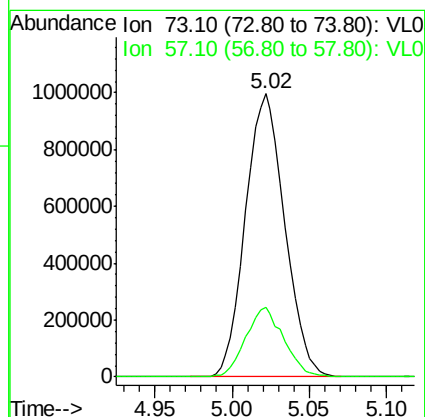
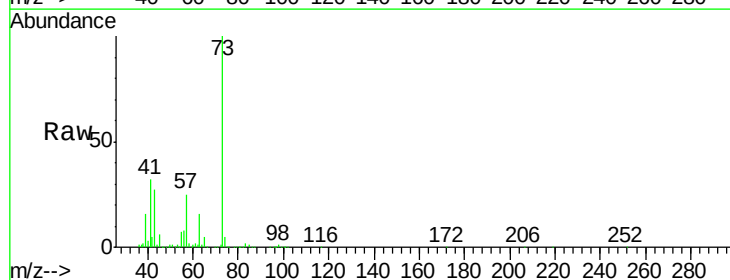
Acq: 25 Feb 2020 15:47

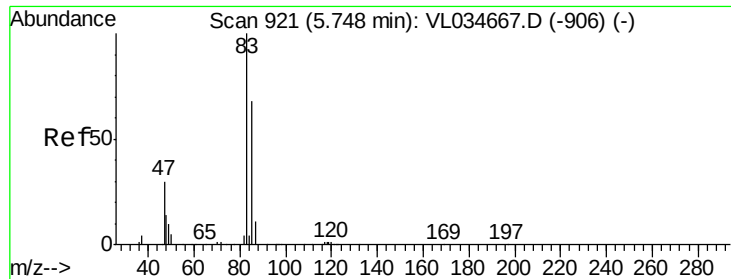
Tgt Ion: 73 Resp: 1763078

Ion Ratio Lower Upper

73 100

57 23.9 18.7 28.1





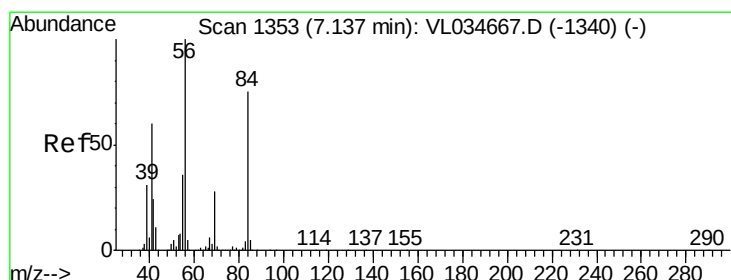
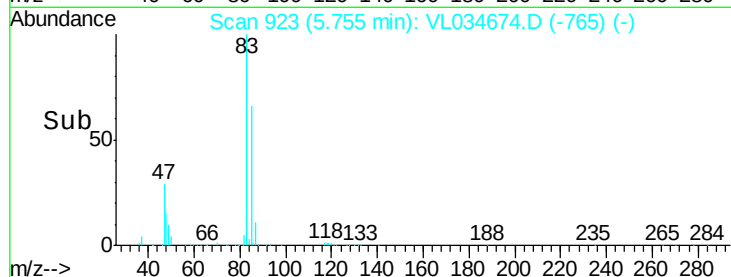
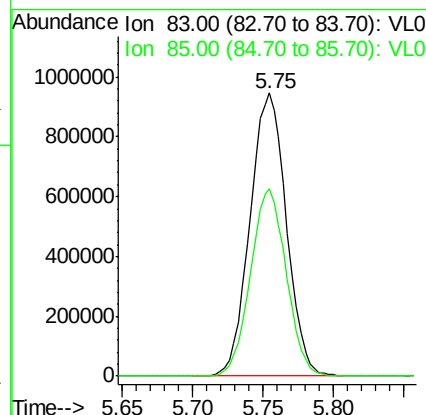
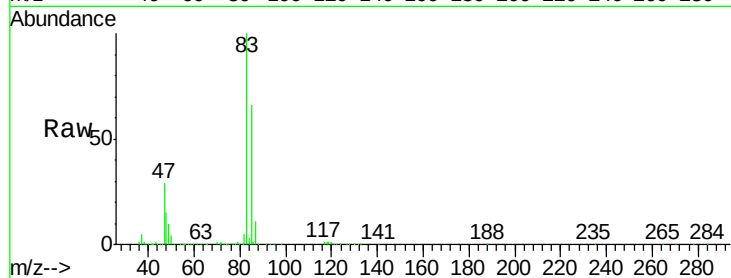
#29
Chloroform
Concen: 8.775 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion: 83 Resp: 1707937
Ion Ratio Lower Upper
83 100
85 66.2 54.7 82.1

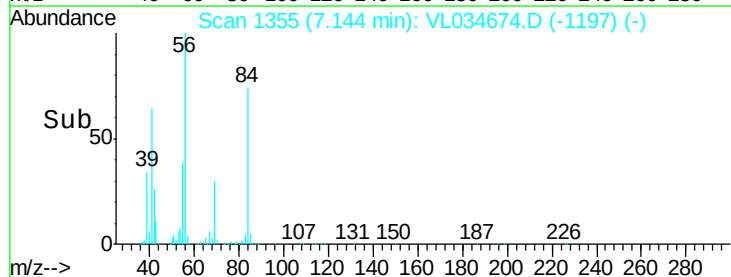
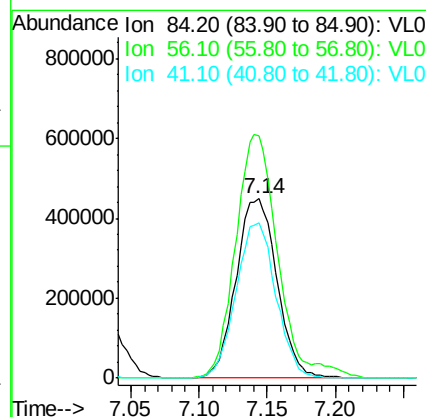
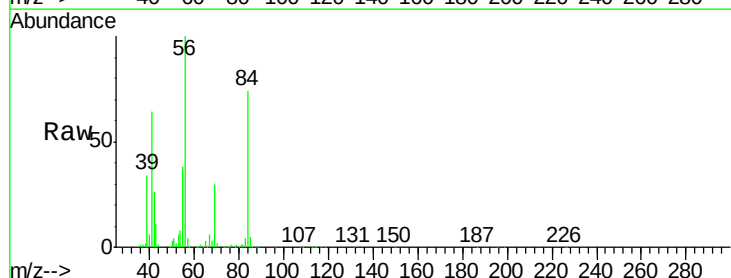
Manual Integrations
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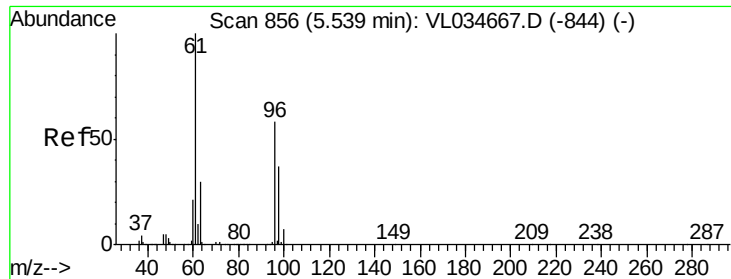
MMDadoda
2/26/2020 12:39:00 PM



#30
Cyclohexane
Concen: 9.999 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion: 84 Resp: 937518
Ion Ratio Lower Upper
84 100
56 140.4 113.4 170.2
41 84.2 69.5 104.3





#31

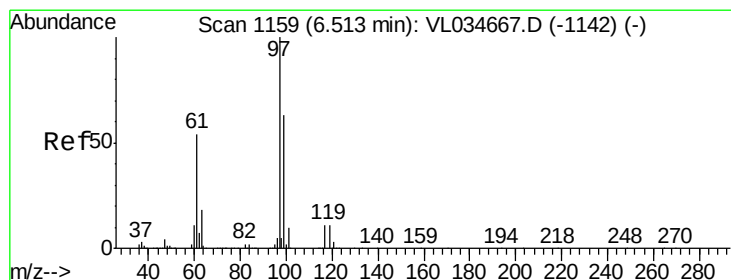
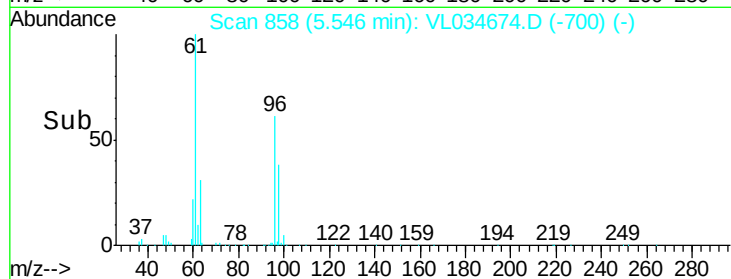
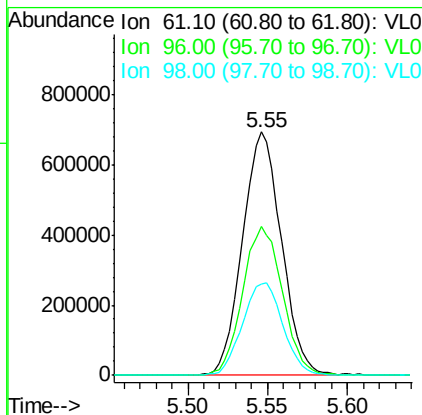
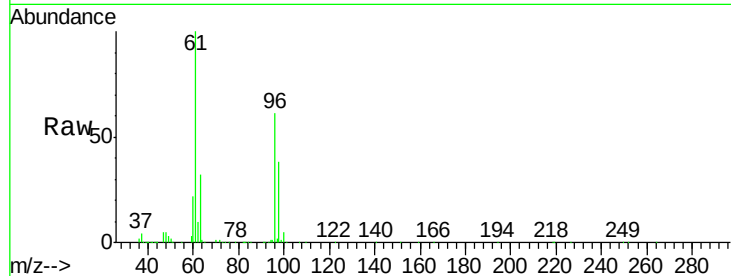
cis-1,2-Dichloroethene
Concen: 9.720 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.3	46.6	69.8
98	37.7	29.3	43.9

Manual Integrations
APPROVED

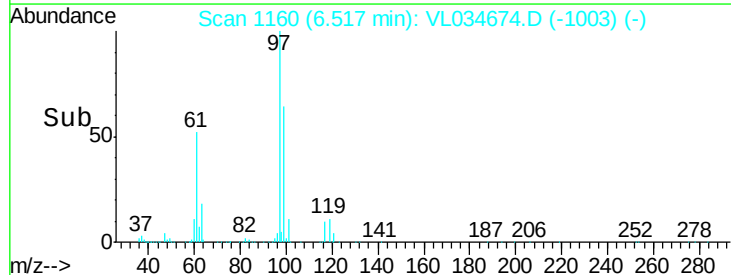
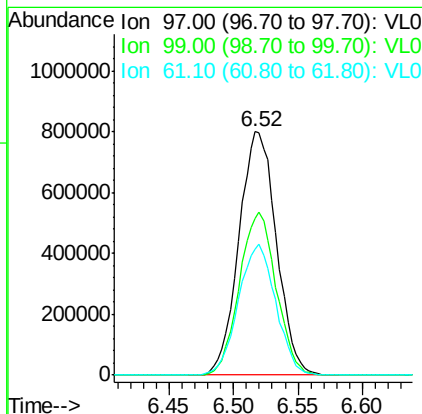
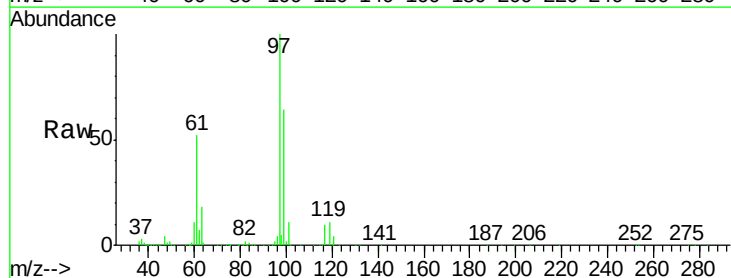
MMDadoda
2/26/2020 12:39:00 PM

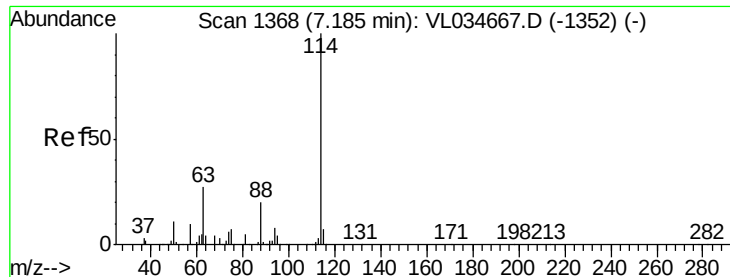


#32

1,1,1-Trichloroethane
Concen: 9.136 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	53.7	44.5	66.7





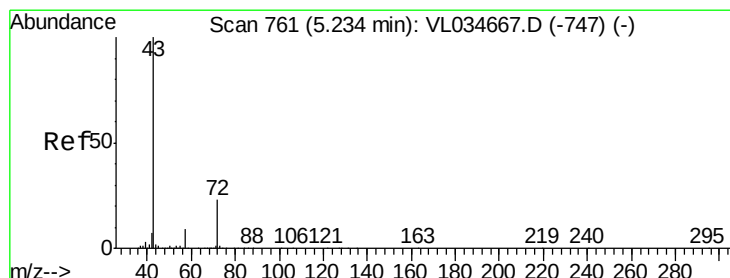
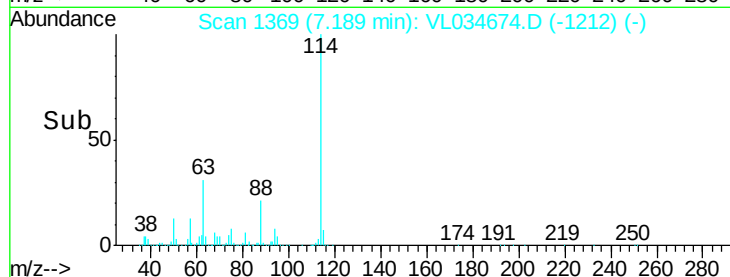
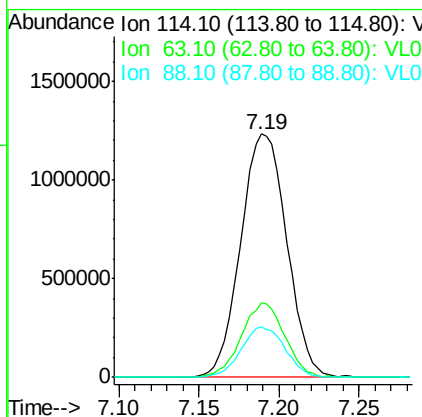
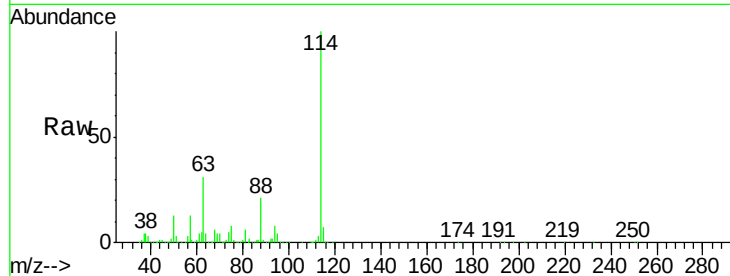
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	23.1	34.7
88	19.8	15.6	23.4

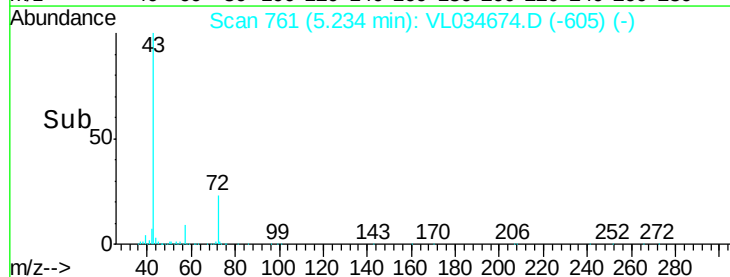
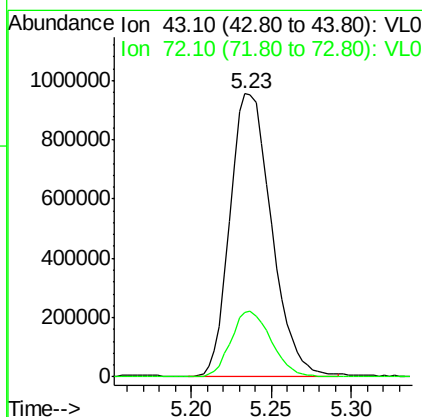
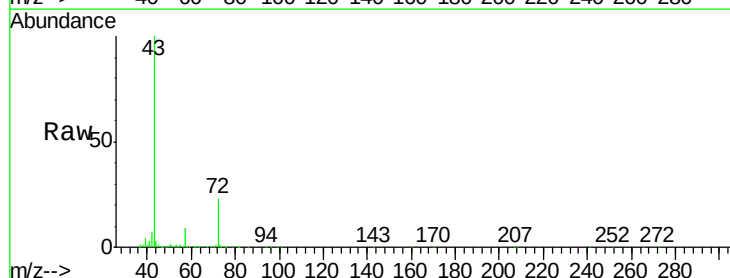
Manual Integrations
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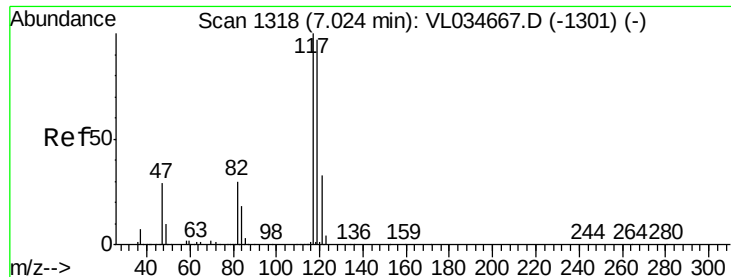
MMDadoda
 2/26/2020 12:39:00 PM



#34
 2-Butanone
 Concen: 9.630 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.8	17.8	26.8





#35

Carbon Tetrachloride

Concen: 8.974 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion:117 Resp: 1671182

Ion Ratio Lower Upper

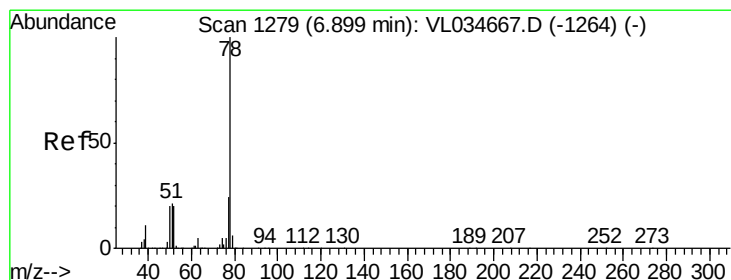
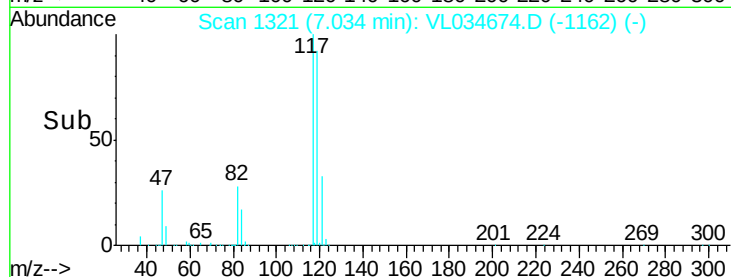
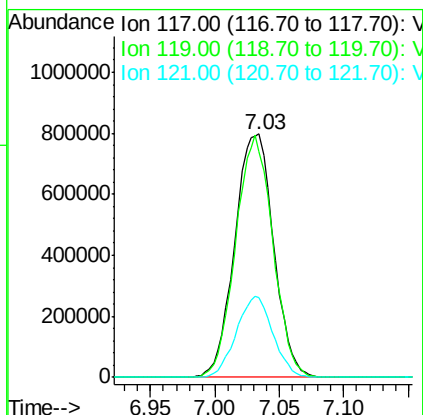
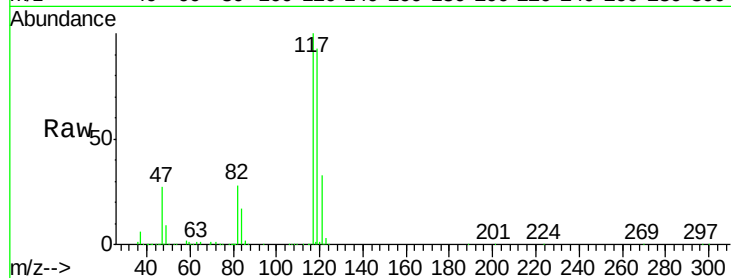
117 100

119 92.8 77.2 115.8

121 32.7 26.1 39.1

Manual Integrations
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MMDadoda
2/26/2020 12:39:00 PM



#36

Benzene

Concen: 9.694 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

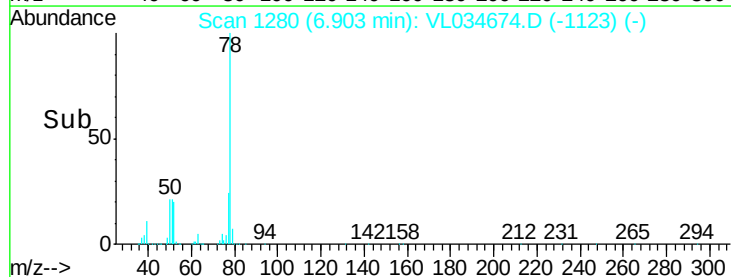
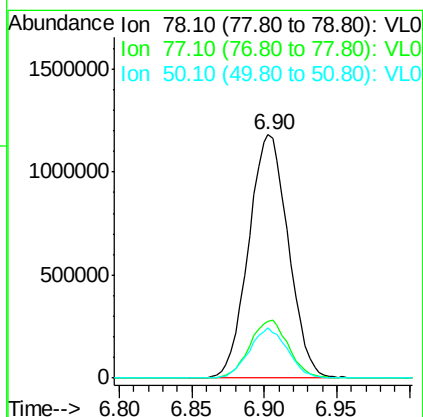
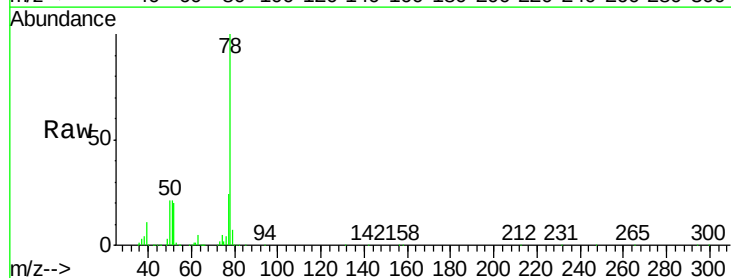
Tgt Ion: 78 Resp: 2249634

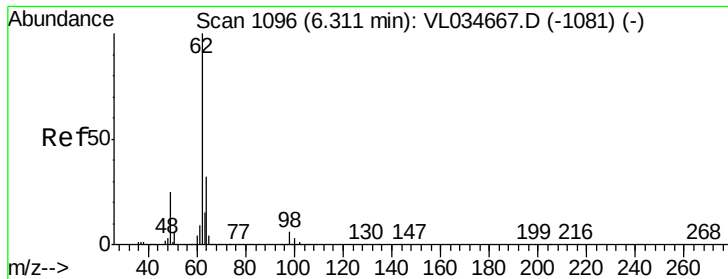
Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

50 20.5 15.9 23.9





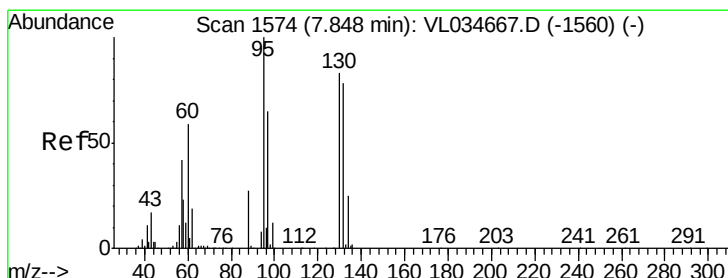
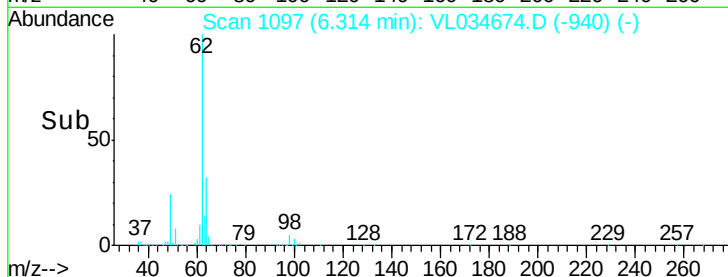
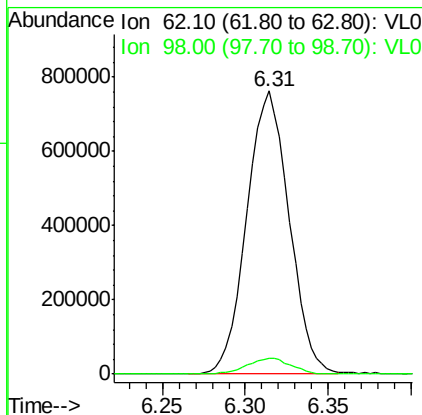
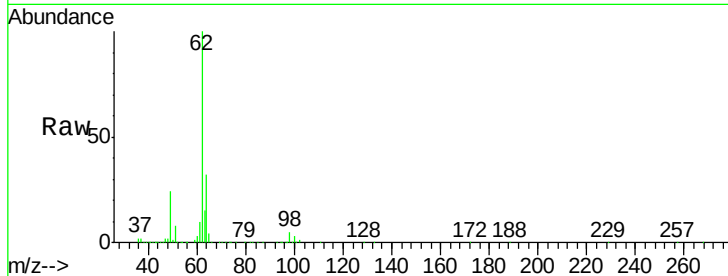
#37
 1,2-Dichloroethane
 Concen: 8.907 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7

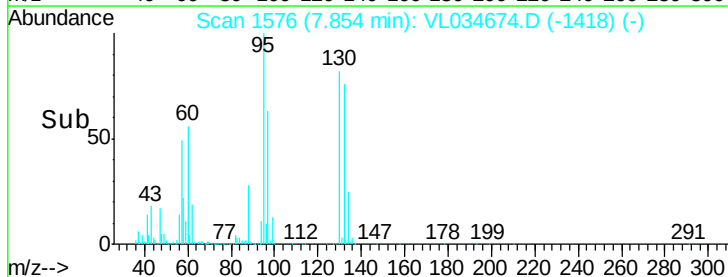
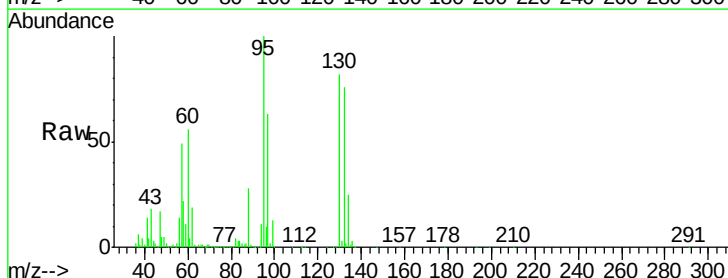
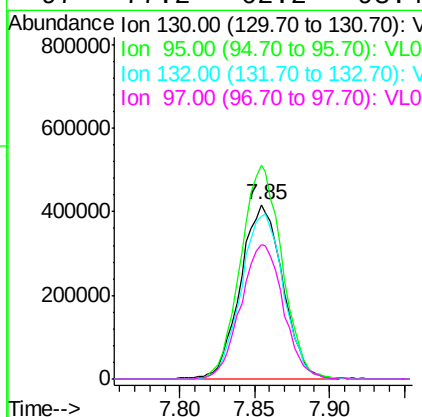
Manual Integrations
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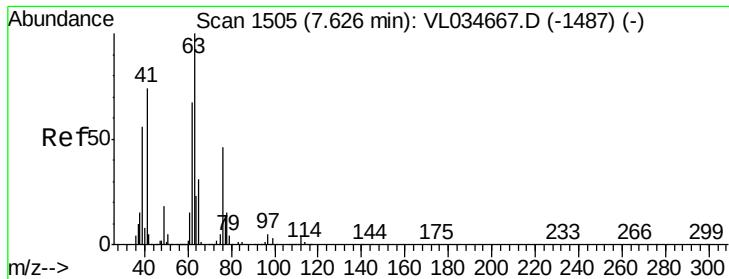
MMDadoda
 2/26/2020 12:39:00 PM



#38
 Trichloroethene
 Concen: 9.384 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.2	96.1	144.1
132	93.2	74.6	112.0
97	77.2	62.2	93.4





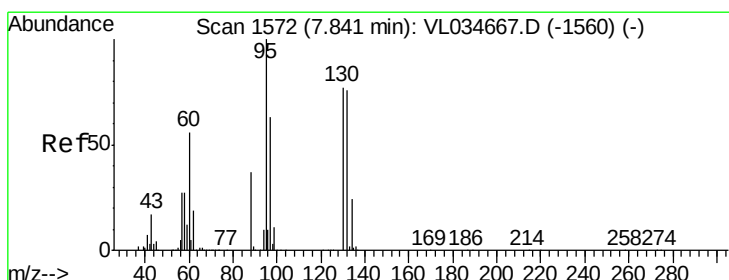
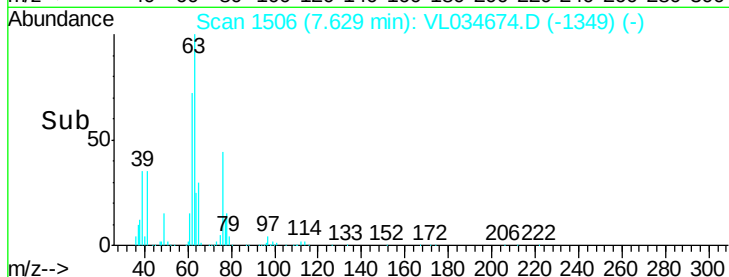
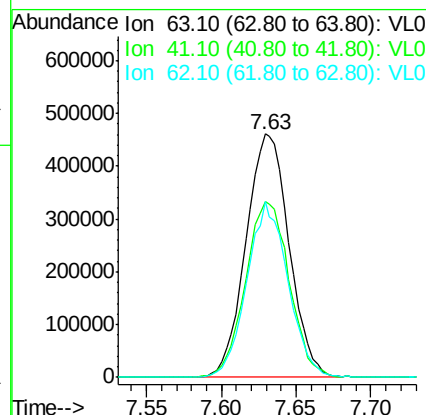
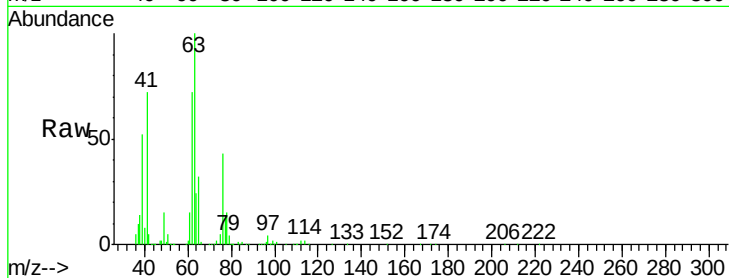
#39
 1,2-Dichloropropane
 Concen: 9.708 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.1	58.9	88.3
62	72.0	53.8	80.8

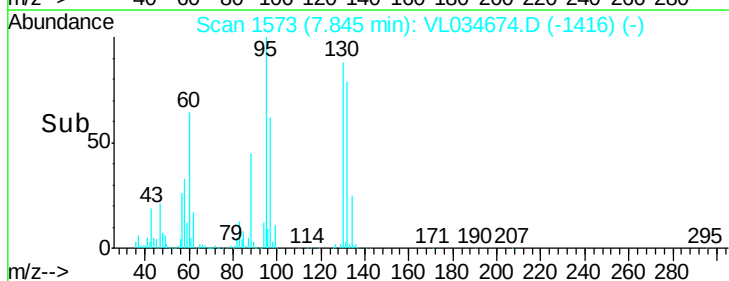
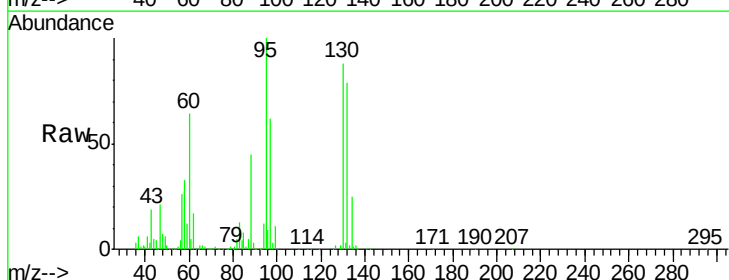
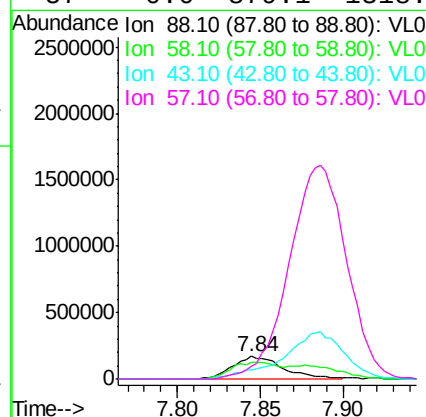
Manual Integrations
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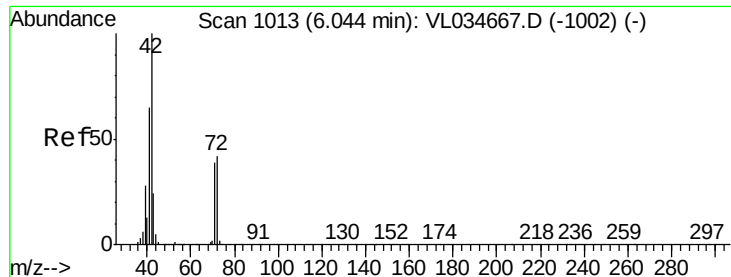
MMDadoda
 2/26/2020 12:39:00 PM



#40
 1,4-Dioxane
 Concen: 9.816 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.3	108.6	163.0
43	0.0	208.1	312.1#
57	0.0	879.1	1318.7#





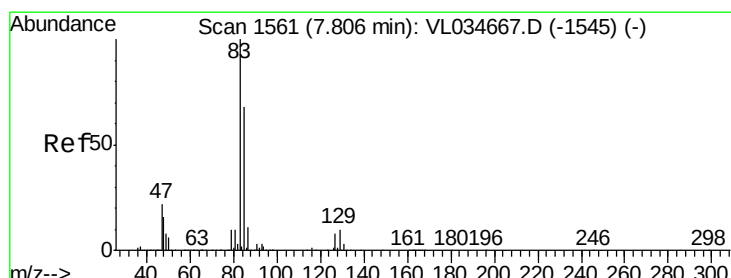
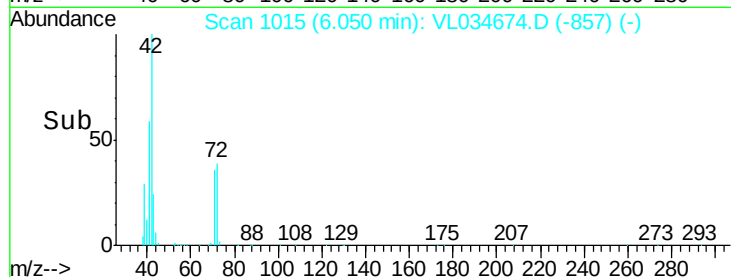
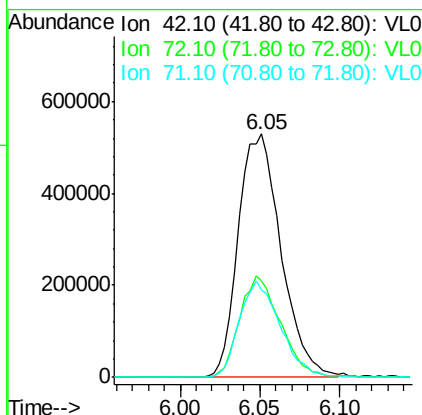
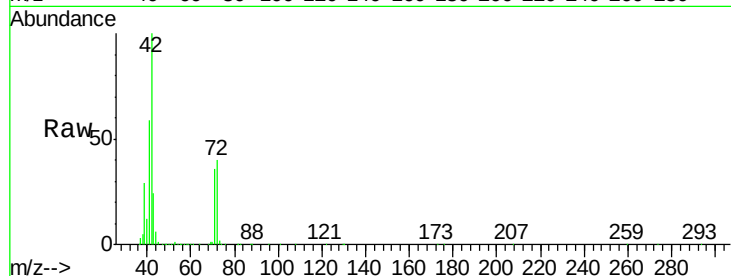
#41
Tetrahydrofuran
Concen: 10.534 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.5	47.3
71	38.3	30.3	45.5

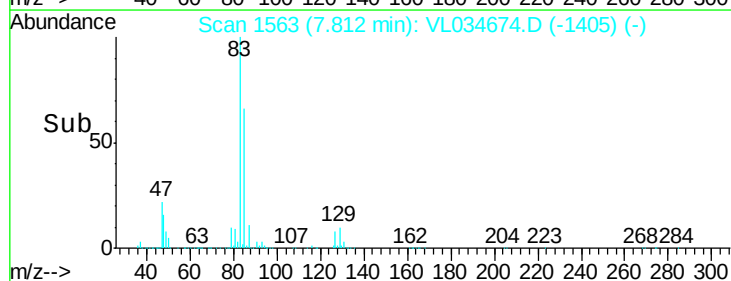
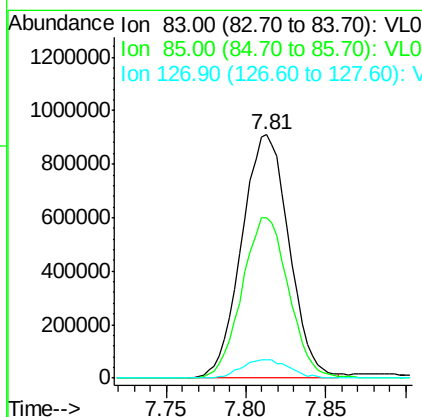
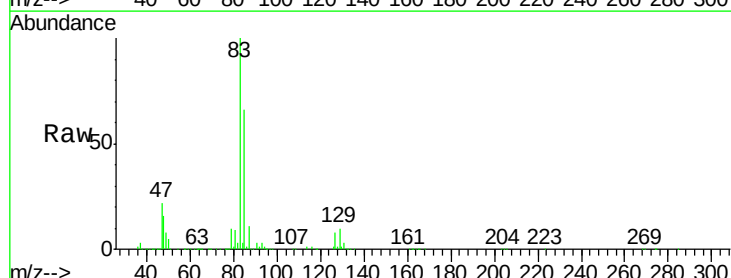
Manual Integrations
APPROVED

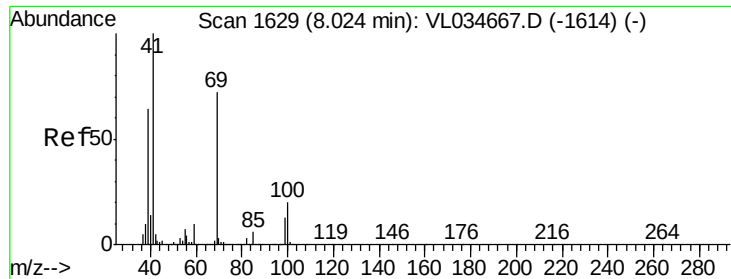
MMDadoda
2/26/2020 12:39:00 PM



#42
Bromodichloromethane
Concen: 9.340 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.2	81.4
127	7.6	6.2	9.4





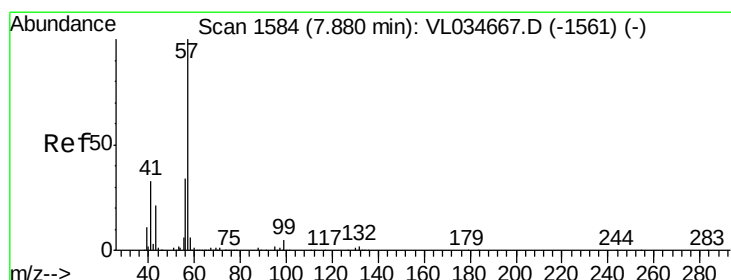
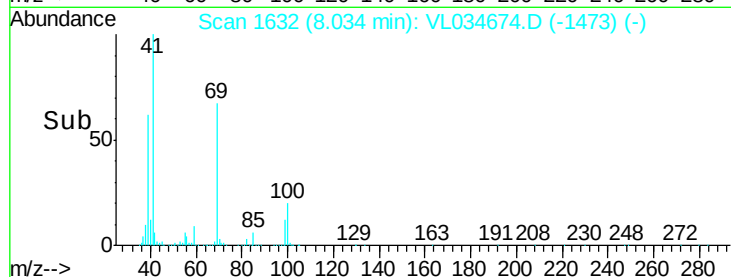
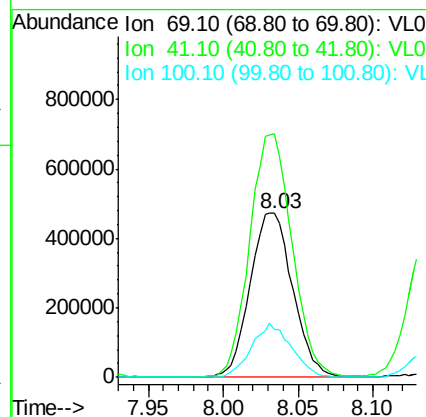
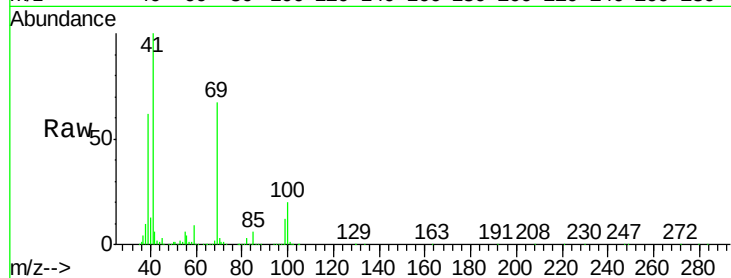
#43
Methyl Methacrylate
Concen: 10.519 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.5	116.4	174.6	
100	30.9	24.3	36.5	

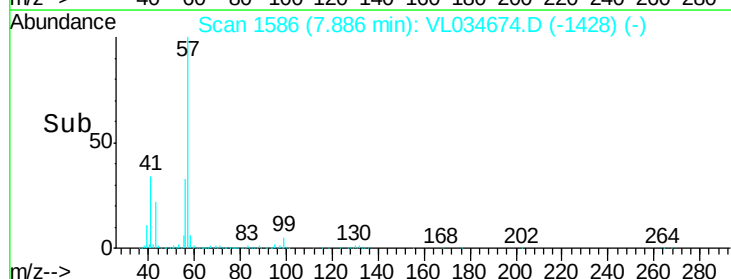
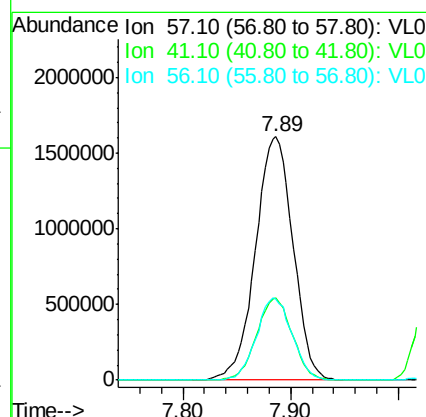
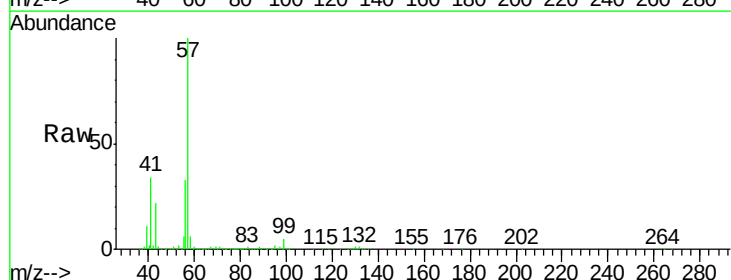
Manual Integrations
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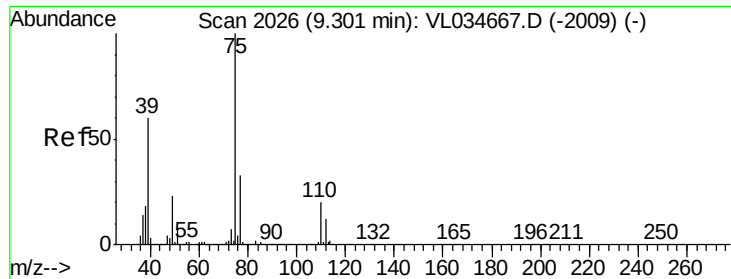
MMDadoda
2/26/2020 12:39:00 PM



#44
2,2,4-Trimethylpentane
Concen: 9.319 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.1	26.1	39.1	
56	31.9	25.4	38.2	





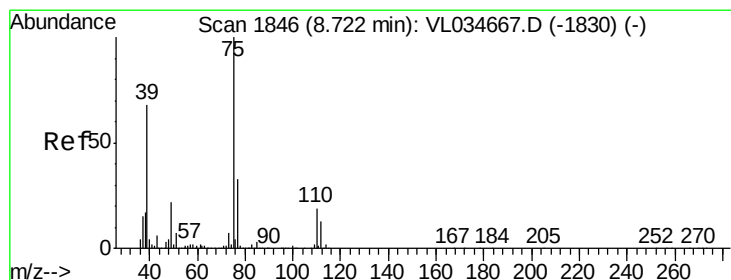
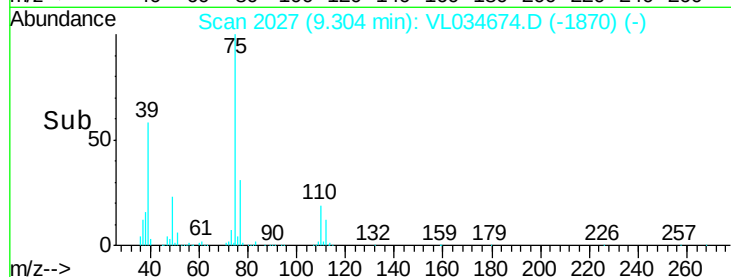
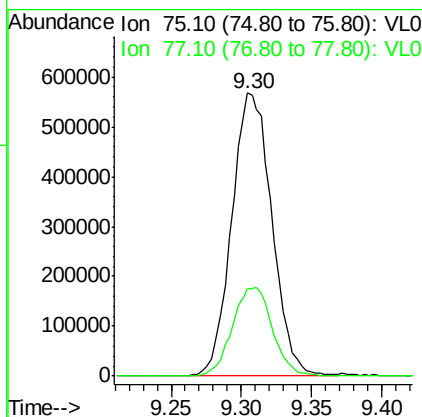
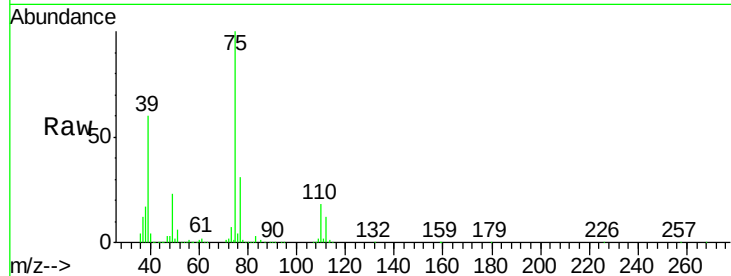
#45
 t-1,3-Dichloropropene
 Concen: 10.630 ppbv
 RT: 9.30 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion: 75 Resp: 1124101
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.3 39.5

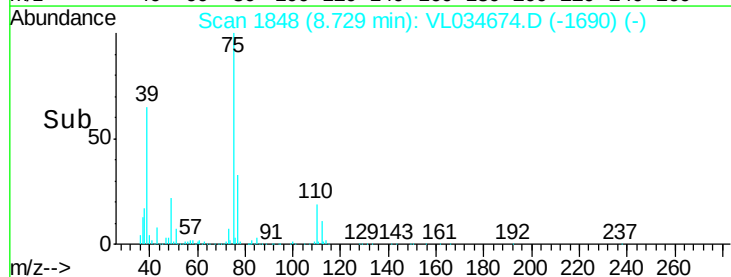
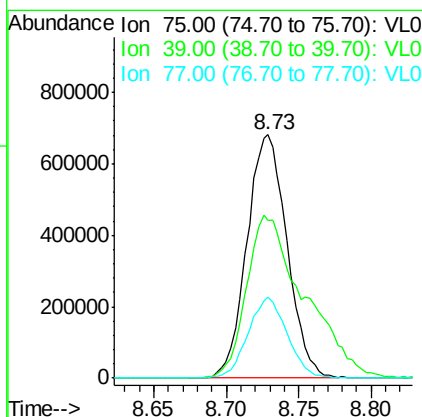
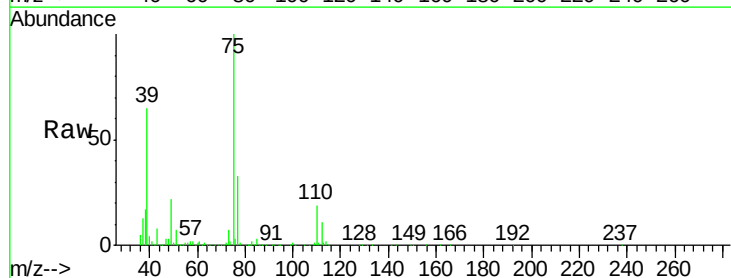
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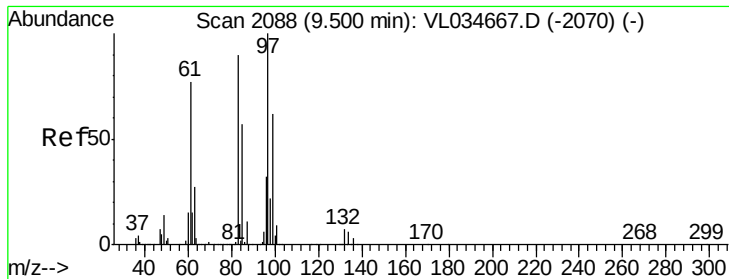
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 10.617 ppbv
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 75 Resp: 1311680
 Ion Ratio Lower Upper
 75 100
 39 64.7 54.7 82.1
 77 33.5 26.6 40.0





#47

1,1,2-Trichloroethane

Concen: 9.087 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

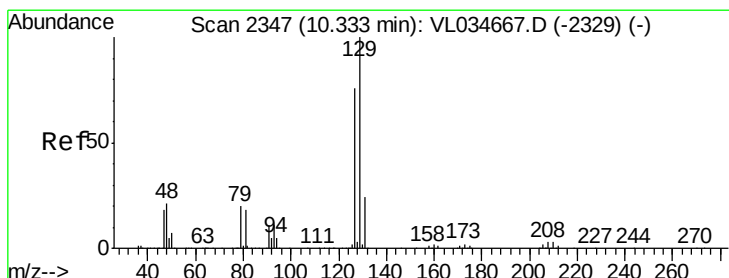
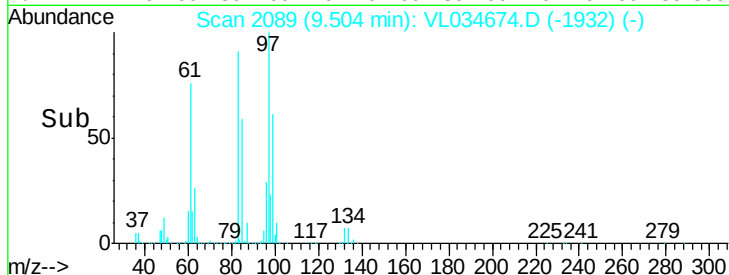
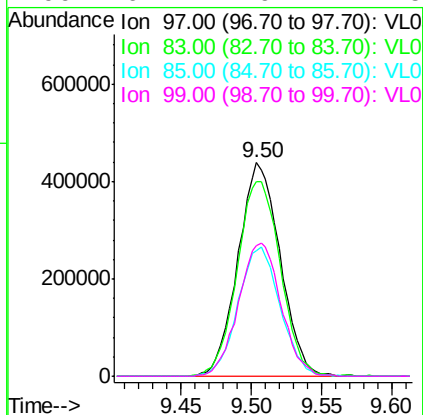
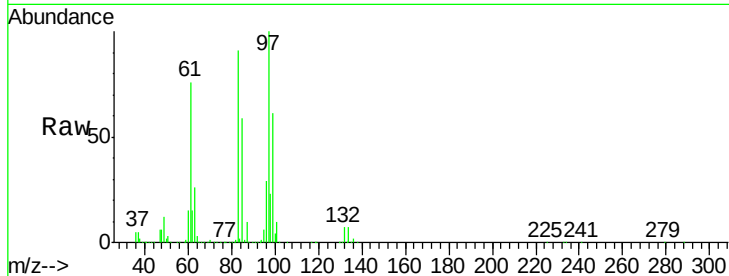
ClientSampleId :

ICVVL022520

Tot Ion:	97	Resp:	917722
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.3	108.5
85	58.6	45.8	68.8
99	61.2	49.7	74.5

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#48

Dibromochloromethane

Concen: 9.789 ppbv

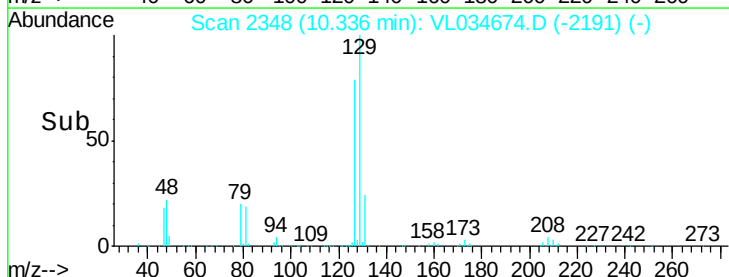
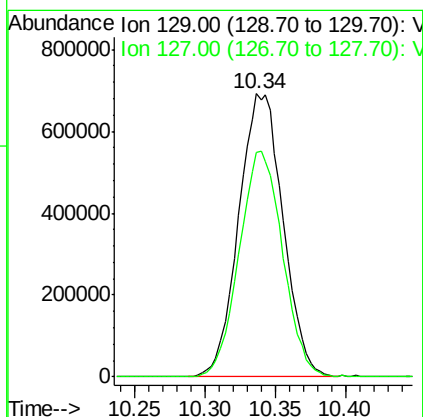
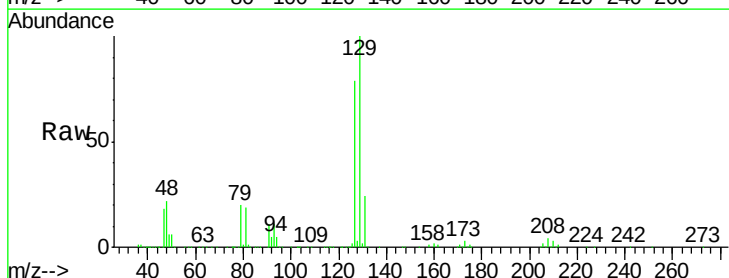
RT: 10.34 min Scan# 2348

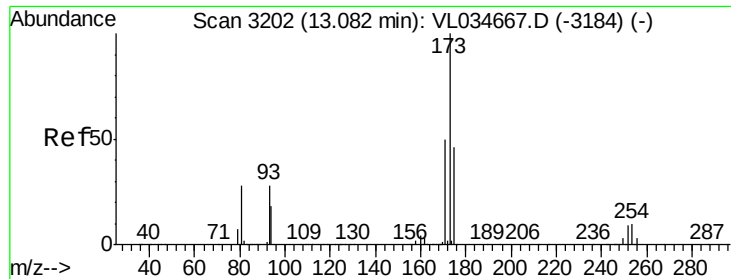
Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion:	129	Resp:	1522025
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3





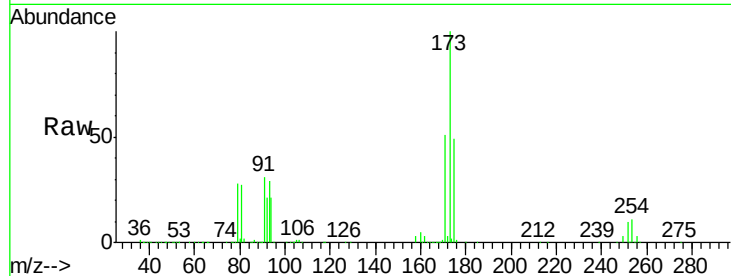
#49
Bromoform
Concen: 9.649 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

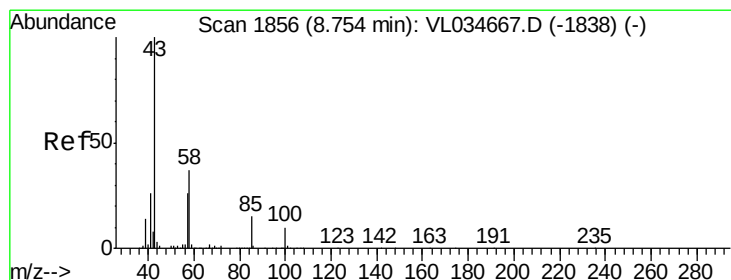
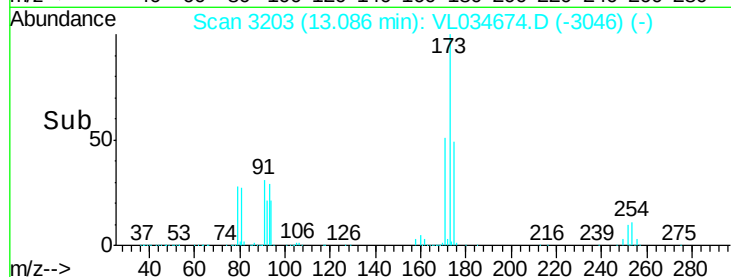
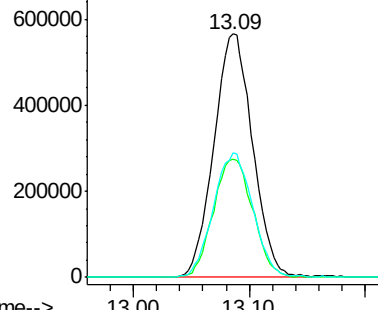
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.0	58.4
171	52.6	41.0	61.6

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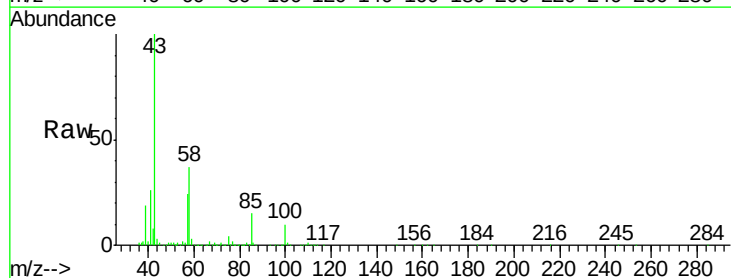


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

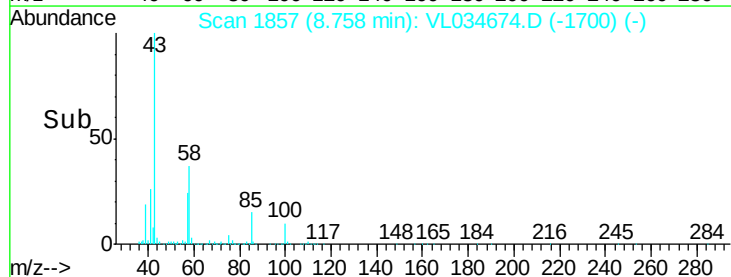
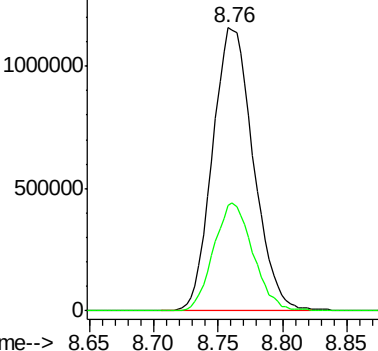


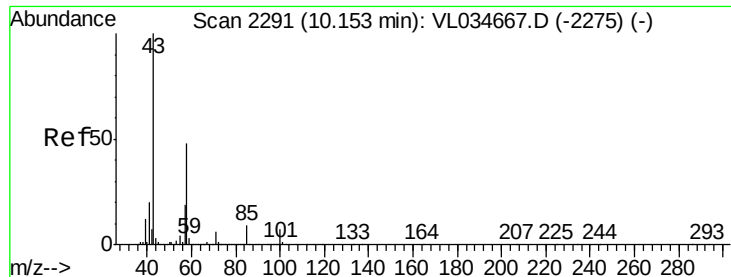
#50
4-Methyl-2-Pentanone
Concen: 10.242 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.5	44.3



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





#51

2-Hexanone

Concen: 10.909 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 43 Resp: 2152139

Ion Ratio Lower Upper

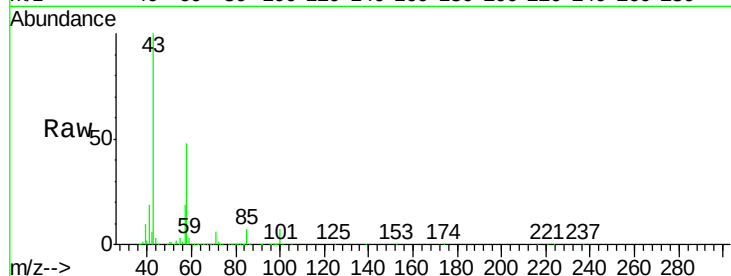
43 100

58 49.4 38.8 58.2

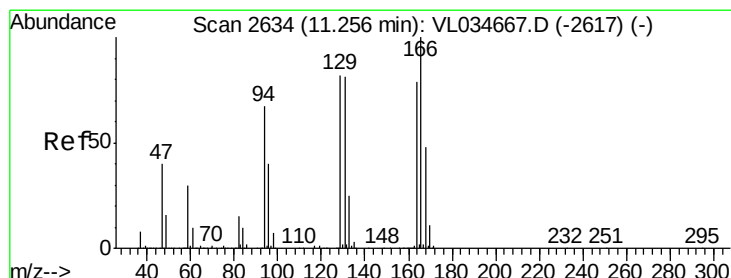
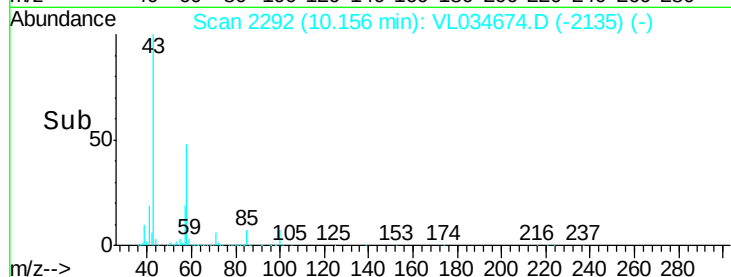
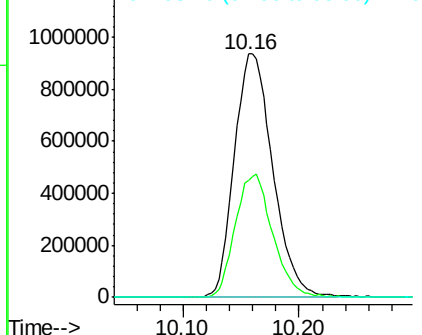
98 0.2 0.3 0.5#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.154 ppbv

RT: 11.26 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion: 164 Resp: 745838

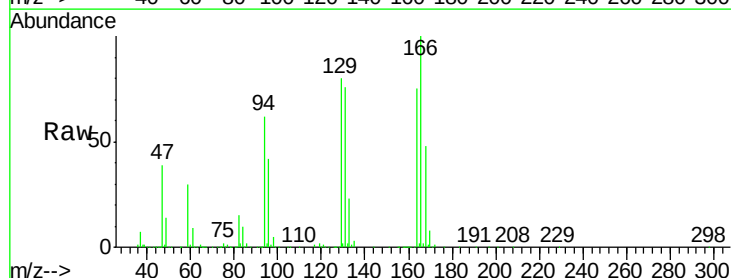
Ion Ratio Lower Upper

164 100

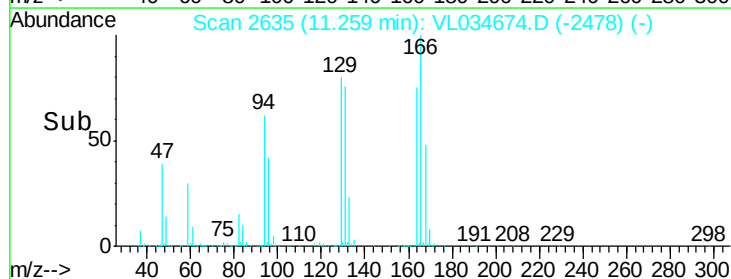
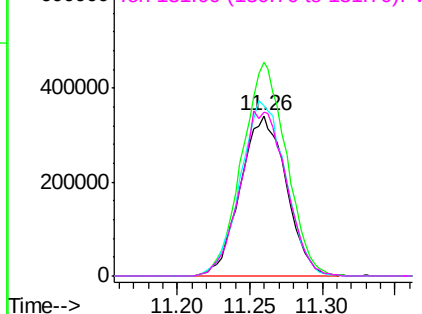
166 132.8 101.4 152.2

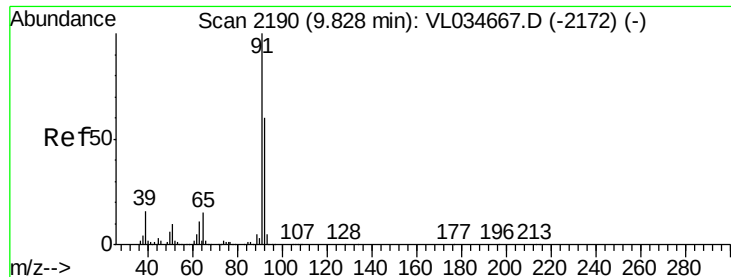
129 106.1 83.5 125.3

131 101.8 83.0 124.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.152 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 91 Resp: 2535131

Ion Ratio Lower Upper

91 100

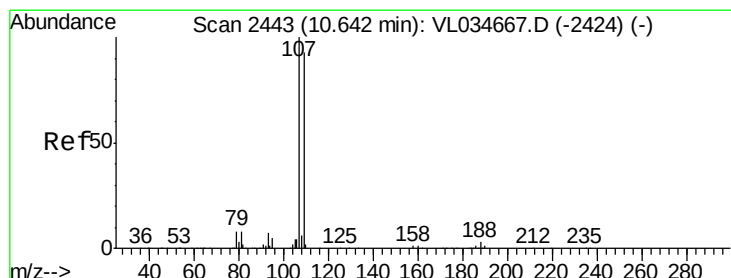
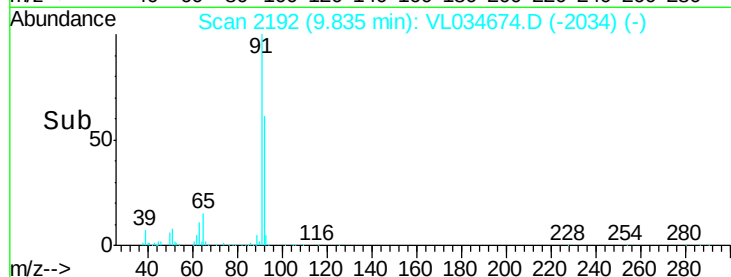
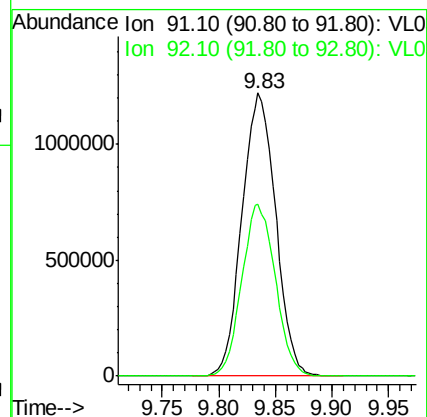
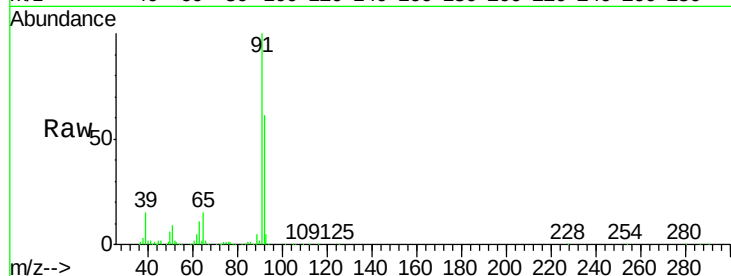
92 60.4 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.984 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL034674.D

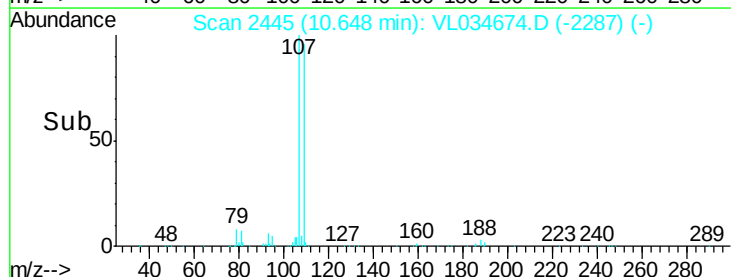
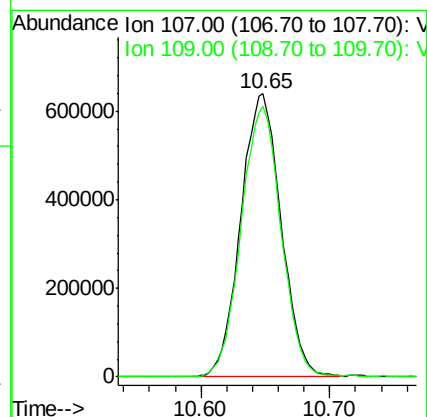
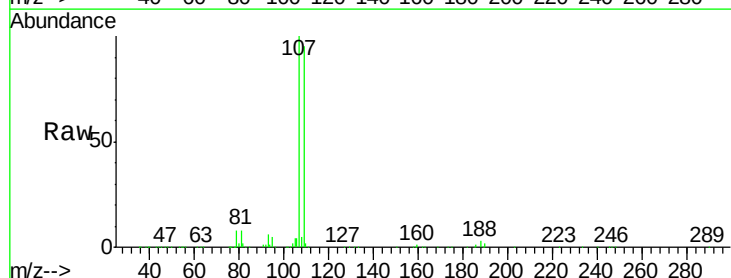
Acq: 25 Feb 2020 15:47

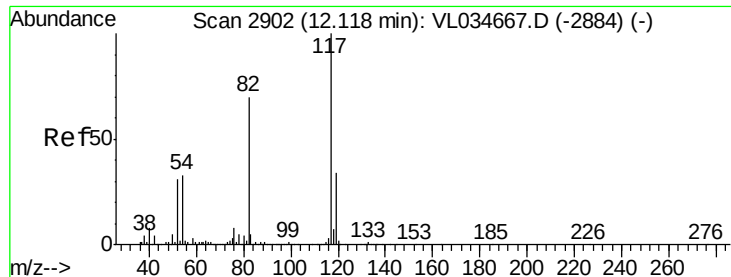
Tgt Ion: 107 Resp: 1392398

Ion Ratio Lower Upper

107 100

109 95.4 74.2 111.4





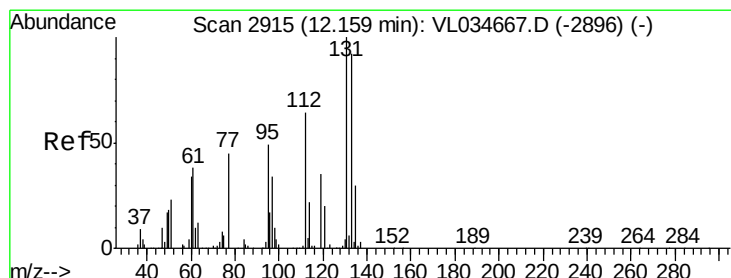
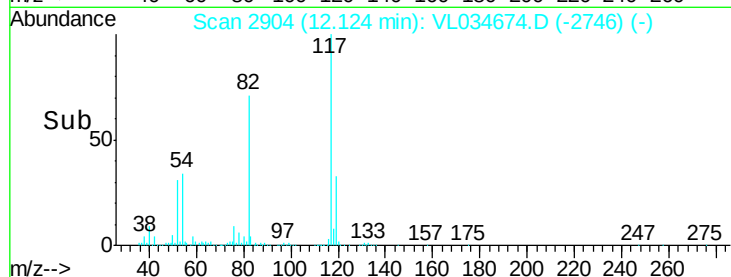
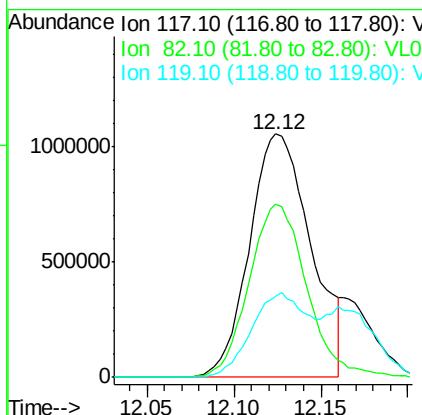
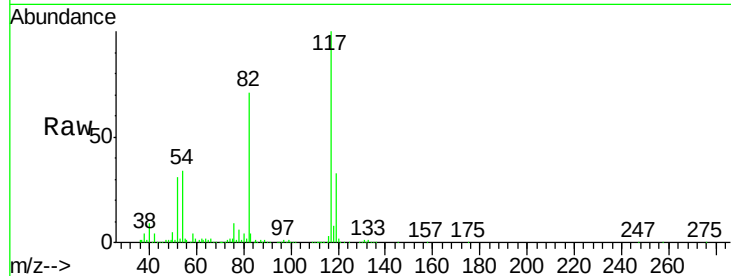
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022520

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	54.2	81.4
119	56.0	44.2	66.2

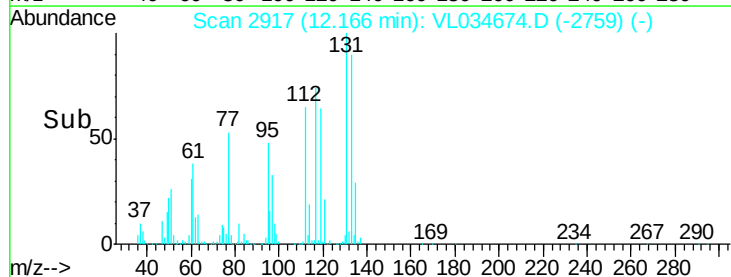
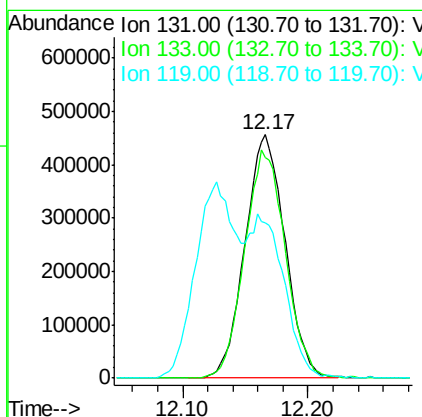
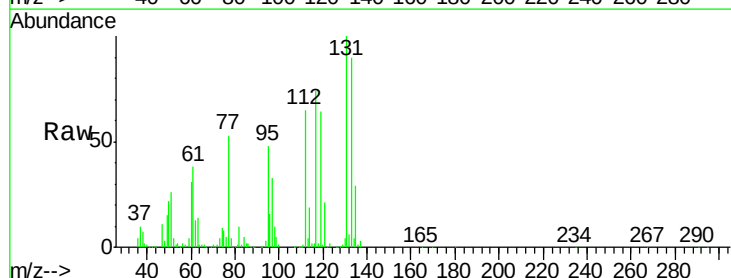
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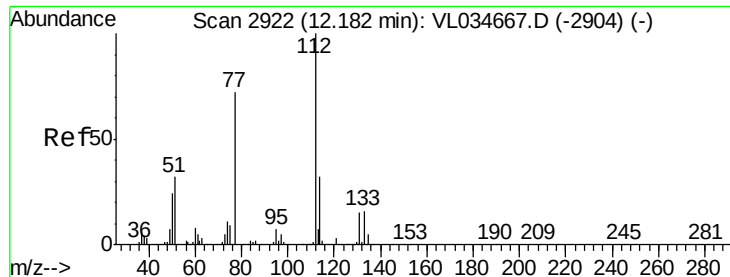
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.943 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034674.D
Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	77.0	115.4
119	143.4	114.8	172.2





#57

Chlorobenzene

Concen: 8.554 ppbv

RT: 12.19 min Scan# 2924

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 112 Resp: 1853980

Ion Ratio Lower Upper

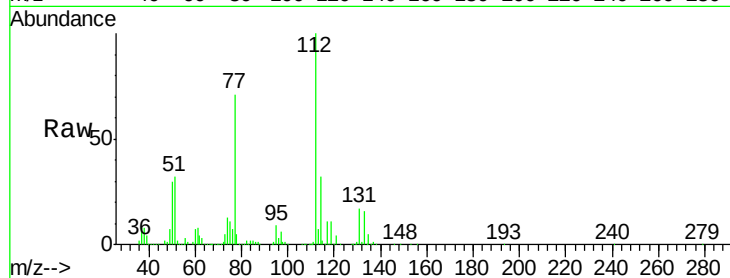
112 100

77 70.2 58.9 88.3

114 32.5 29.1 35.5

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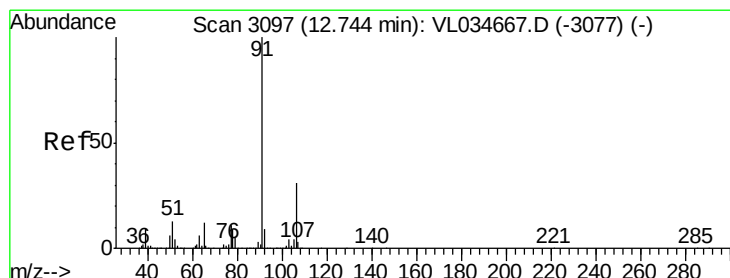
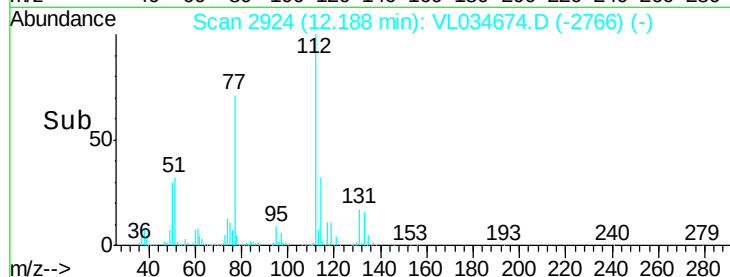
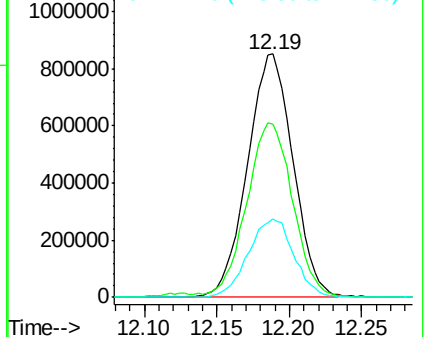
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.636 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.01 min

Lab File: VL034674.D

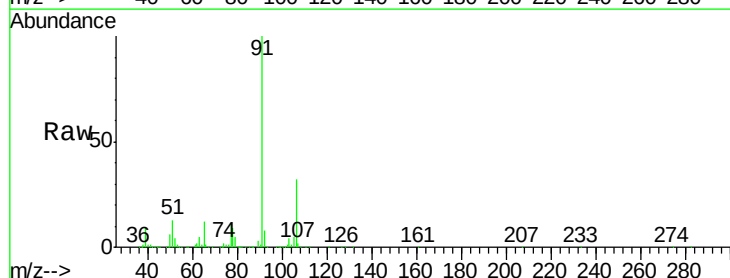
Acq: 25 Feb 2020 15:47

Tgt Ion: 91 Resp: 3369137

Ion Ratio Lower Upper

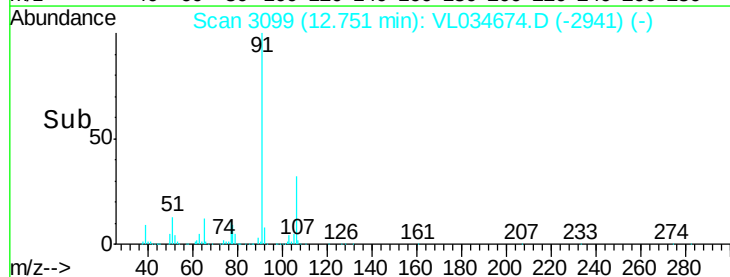
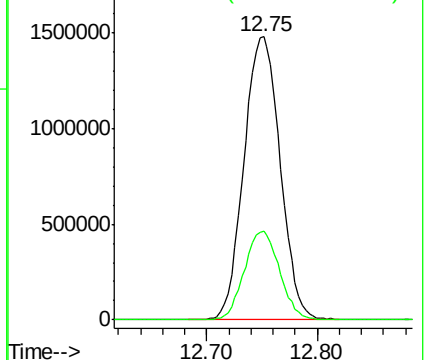
91 100

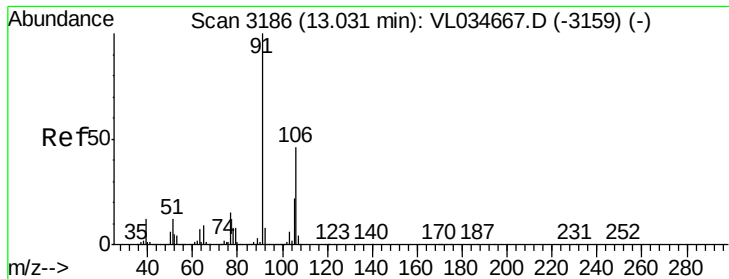
106 31.5 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 17.825 ppbv m

RT: 13.04 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 91 Resp: 5454446

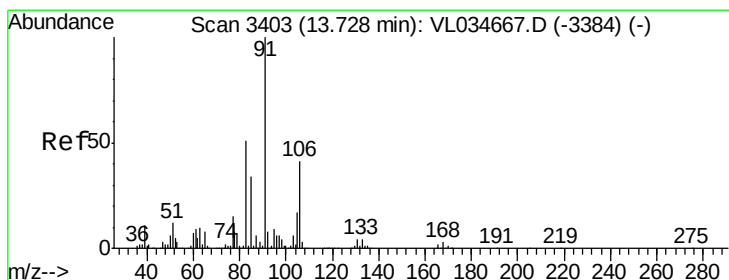
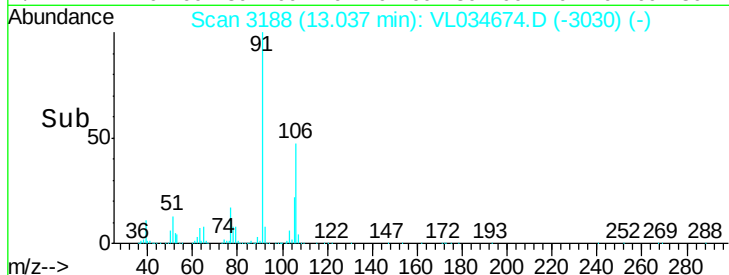
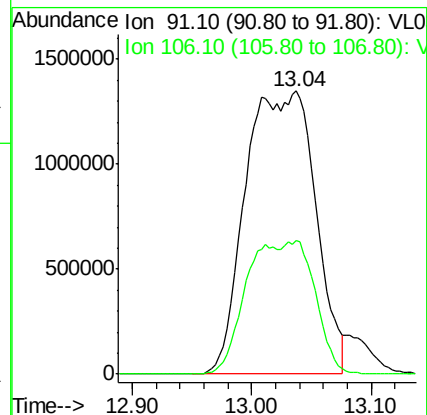
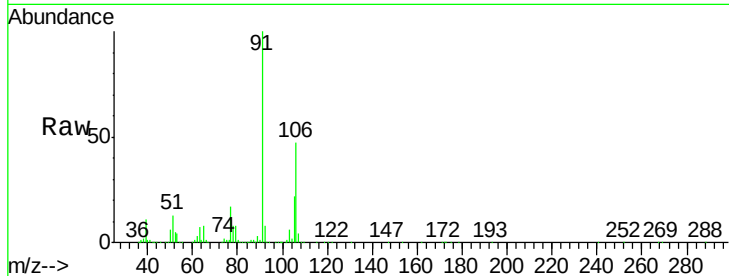
Ion Ratio Lower Upper

91 100

106 46.1 35.9 53.9

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#60

o-Xylene

Concen: 8.956 ppbv

RT: 13.74 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VL034674.D

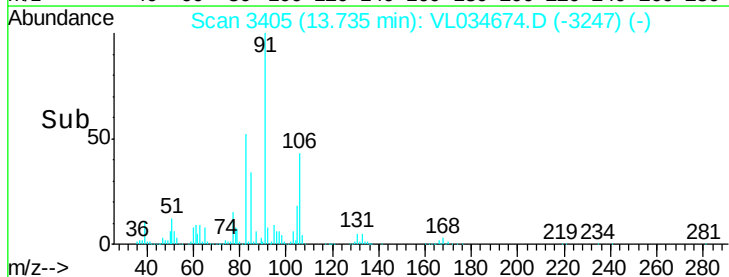
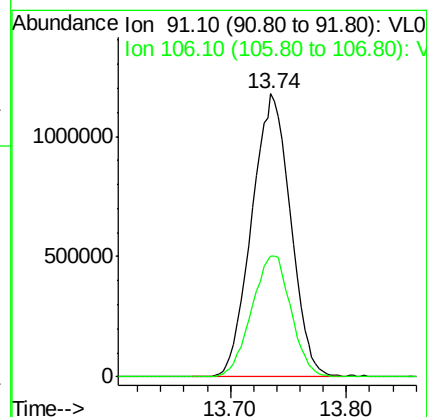
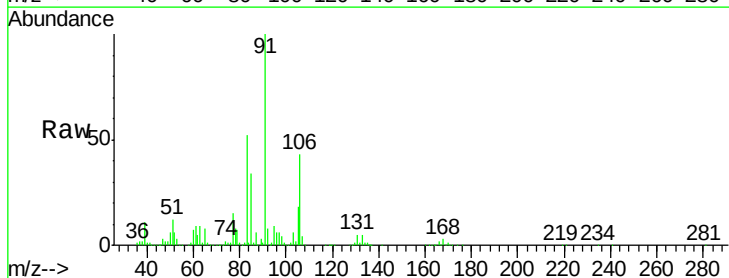
Acq: 25 Feb 2020 15:47

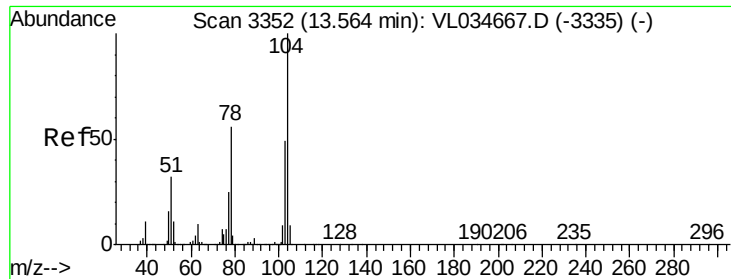
Tgt Ion: 91 Resp: 2738469

Ion Ratio Lower Upper

91 100

106 43.3 22.1 66.1





#61

Stvrene

Concen: 9.847 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

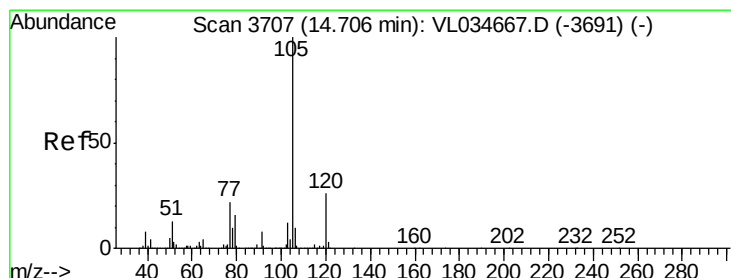
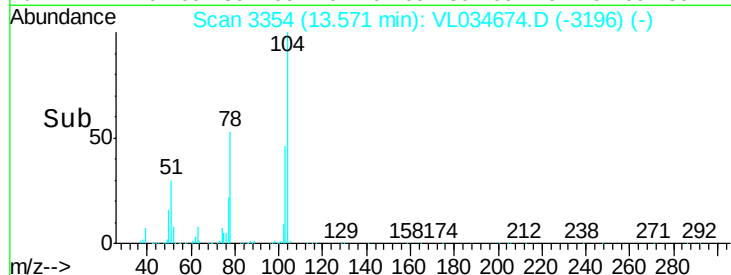
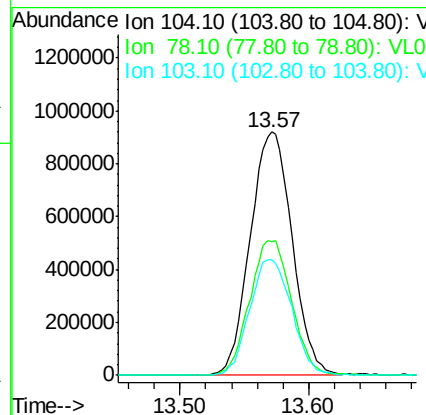
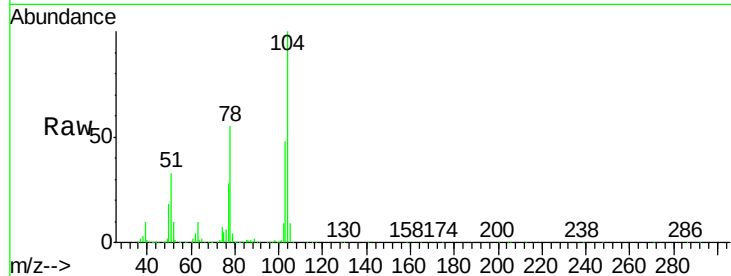
ClientSampleId :

ICVVL022520

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.7	44.9	67.3
103	47.9	38.5	57.7

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#62

Isopropylbenzene

Concen: 9.228 ppbv

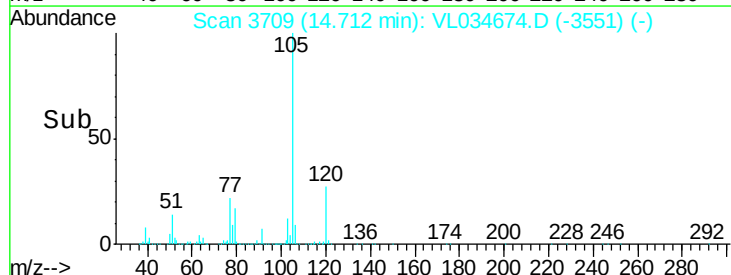
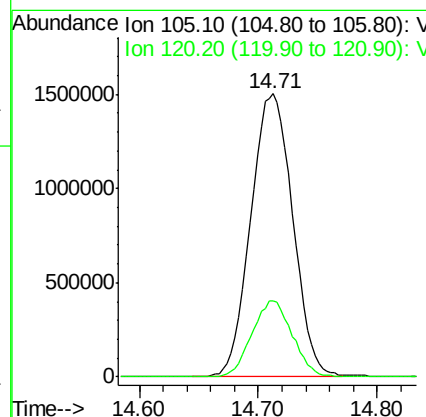
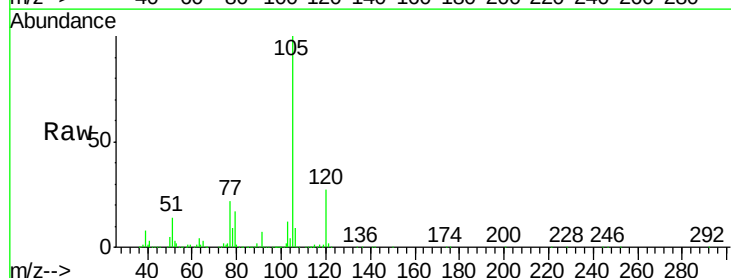
RT: 14.71 min Scan# 3709

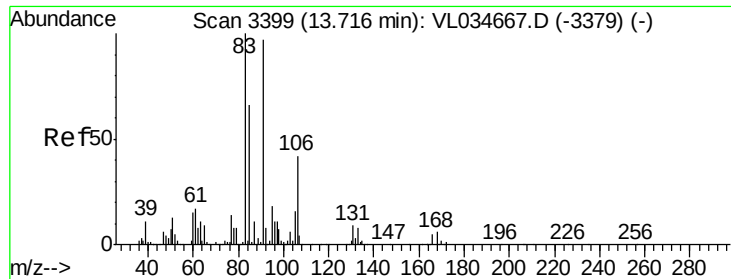
Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.348 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 83 Resp: 2017496

Ion Ratio Lower Upper

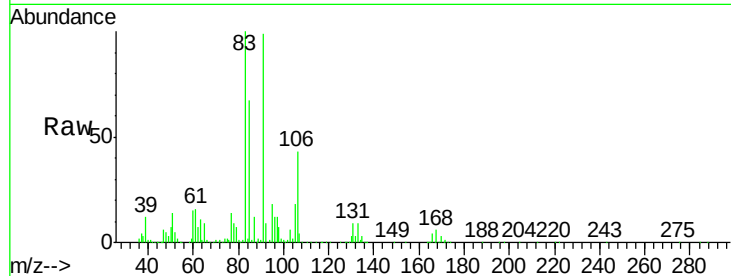
83 100

131 8.8 4.5 13.4

85 65.4 32.6 98.0

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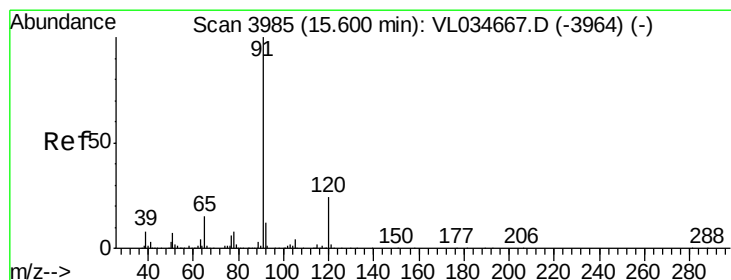
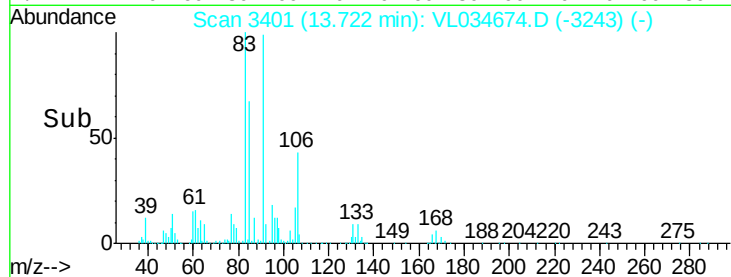
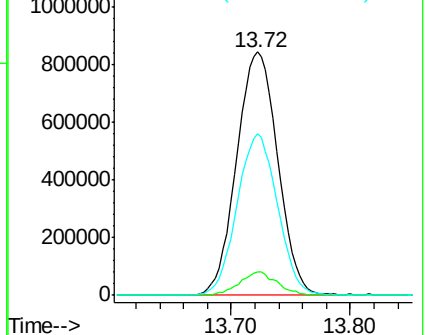
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.427 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VL034674.D

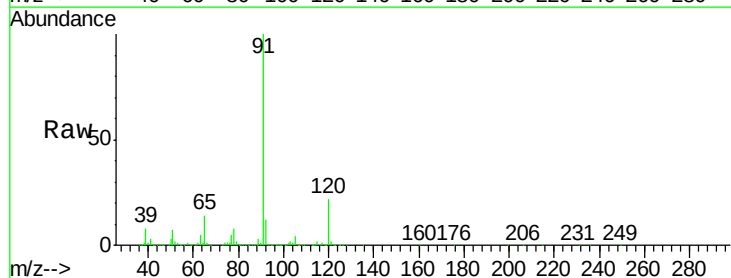
Acq: 25 Feb 2020 15:47

Tgt Ion: 120 Resp: 949041

Ion Ratio Lower Upper

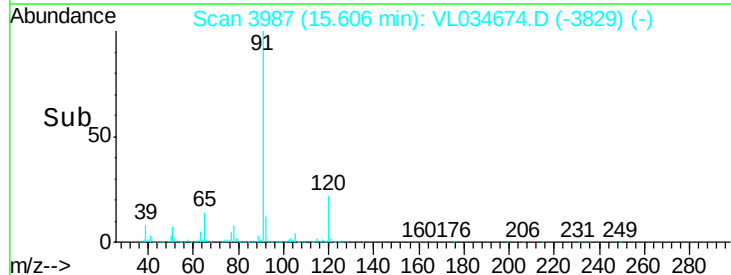
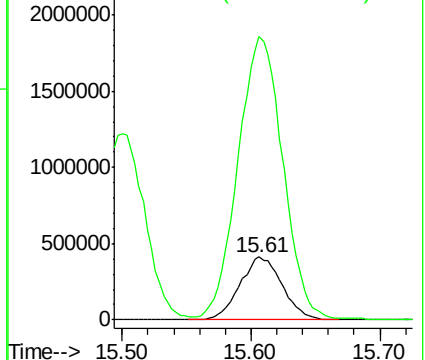
120 100

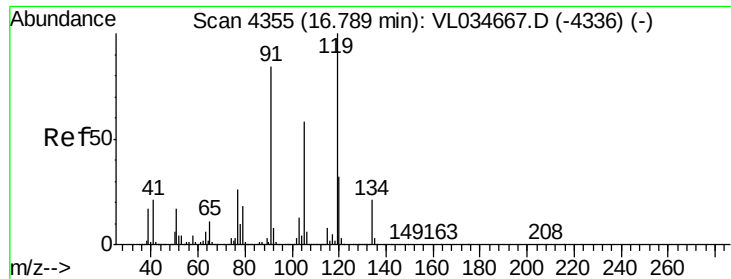
91 478.2 375.9 563.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.295 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion:119 Resp: 3225926

Ion Ratio Lower Upper

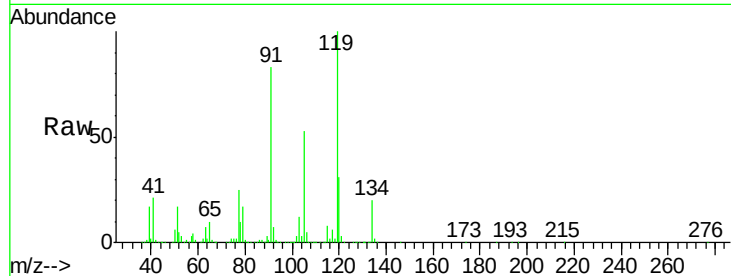
119 100

91 86.4 68.9 103.3

134 20.0 15.6 23.4

Manual Integrations
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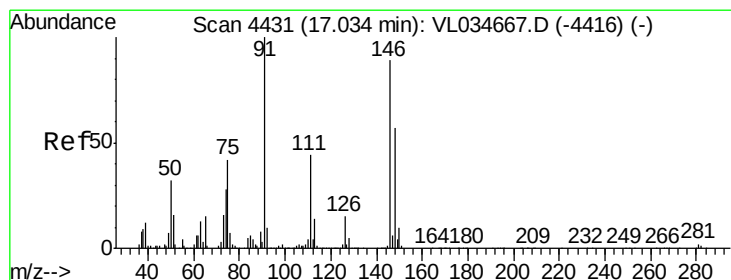
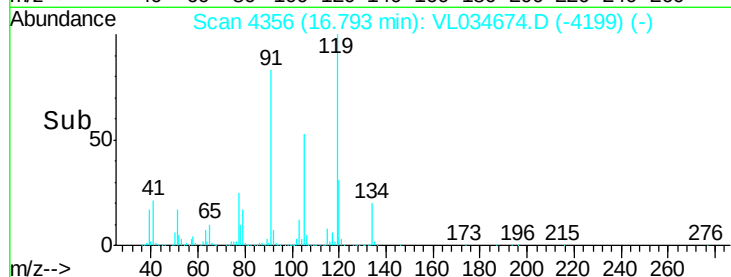
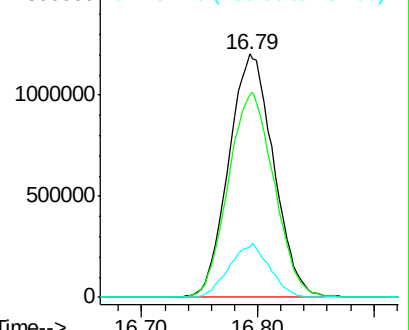
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.641 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

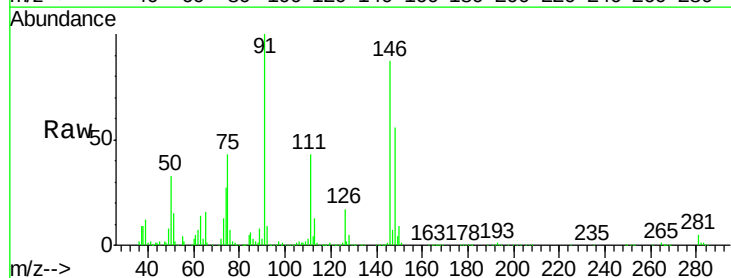
Tgt Ion: 91 Resp: 1550327

Ion Ratio Lower Upper

91 100

126 16.2 13.3 19.9

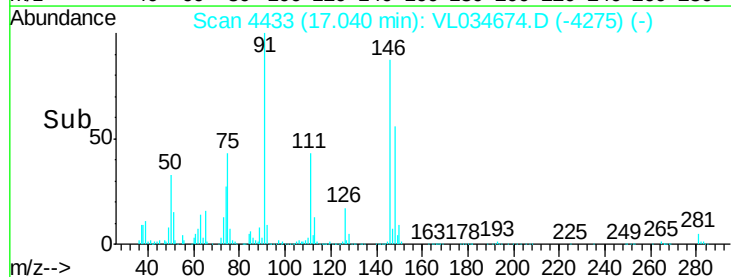
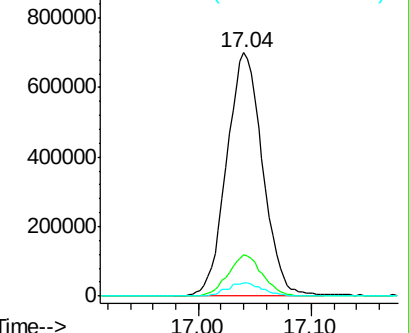
128 5.3 4.2 6.2

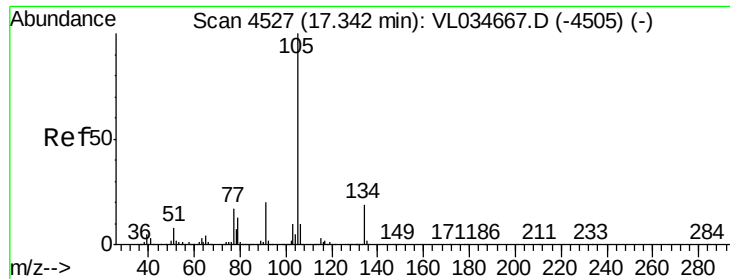


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.306 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion: 105 Resp: 4599104

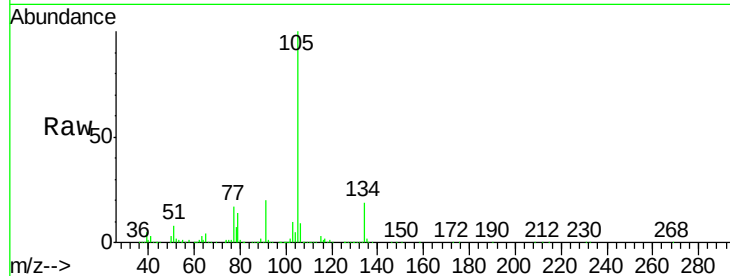
Ion Ratio Lower Upper

105 100

134 18.4 14.6 21.8

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.34

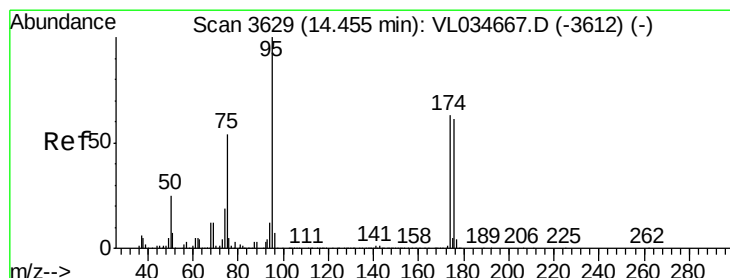
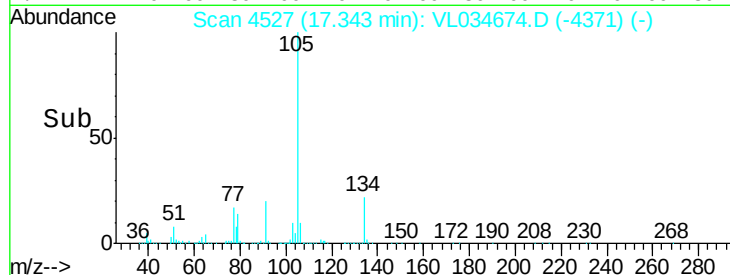
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.610 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

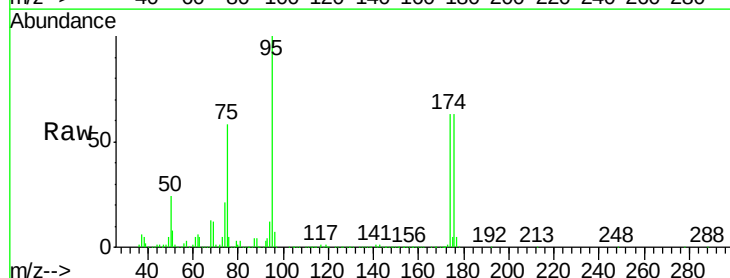
Tgt Ion: 95 Resp: 2044501

Ion Ratio Lower Upper

95 100

174 63.9 51.2 76.8

175 4.6 3.8 5.6



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

1200000

1000000

800000

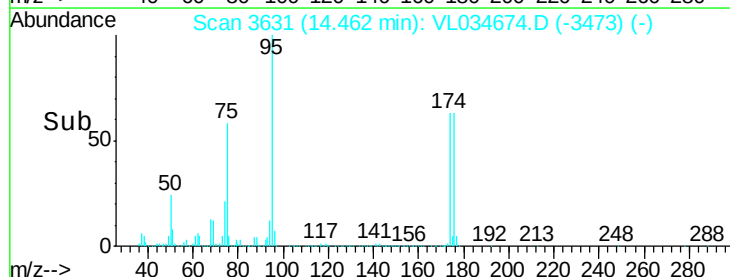
600000

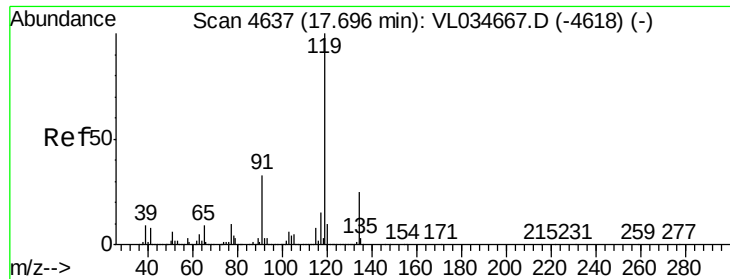
400000

200000

0

Time--> 14.40 14.45 14.50 14.55





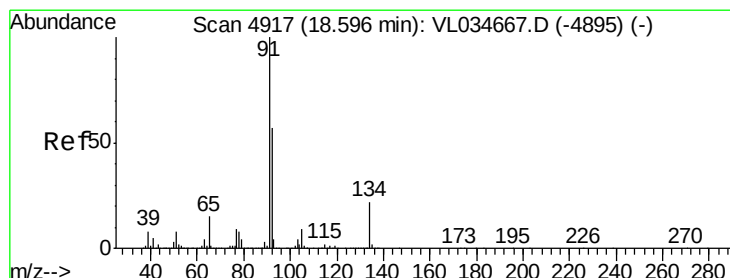
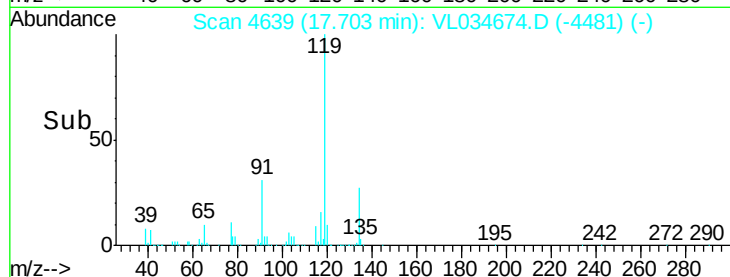
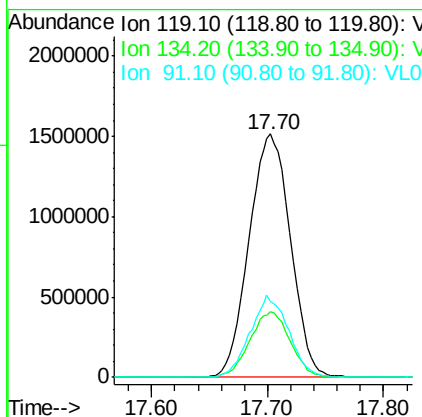
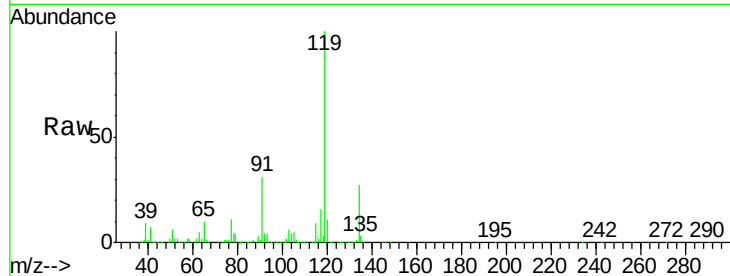
#69
 p-Isopropyltoluene
 Concen: 9.588 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.6	31.0
91	31.3	25.3	37.9

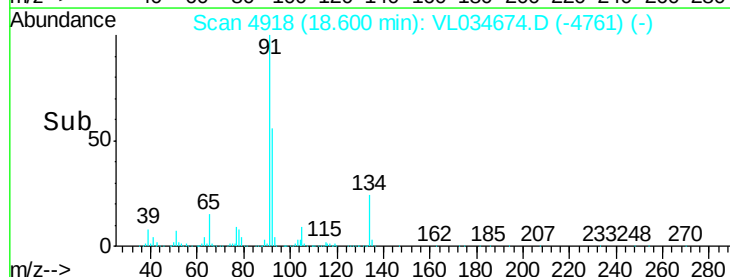
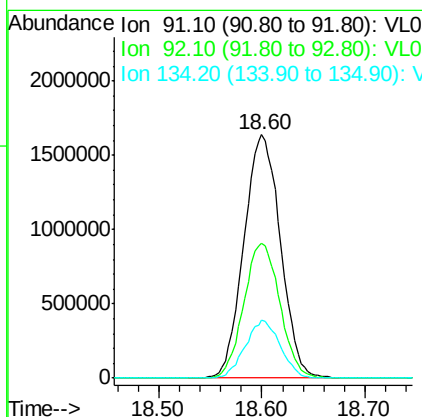
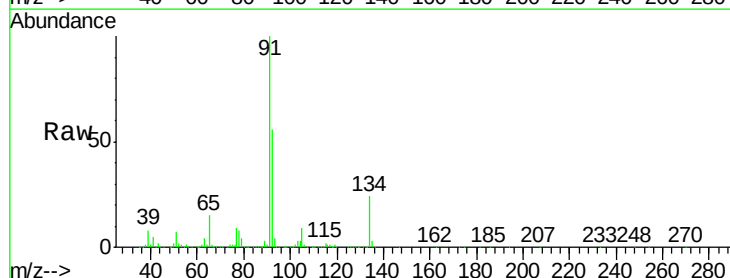
Manual Integrations
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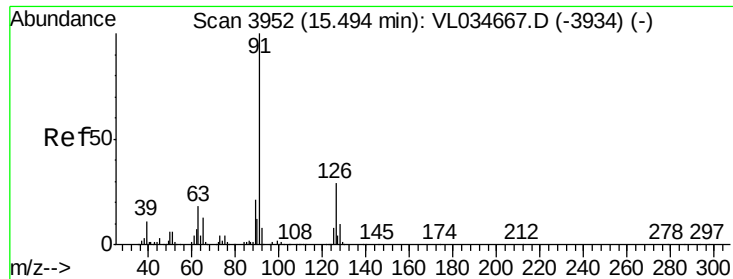
MMDadoda
 2/26/2020 12:39:00 PM



#70
 n-Butylbenzene
 Concen: 9.650 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	22.8	17.6	26.4





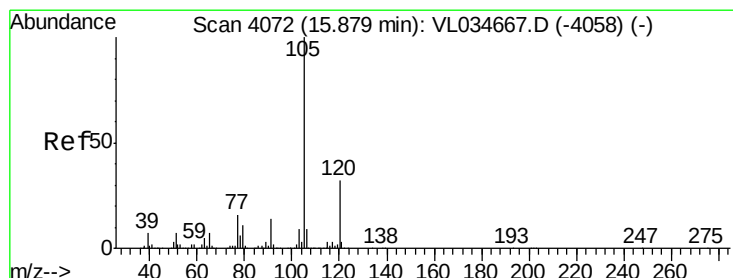
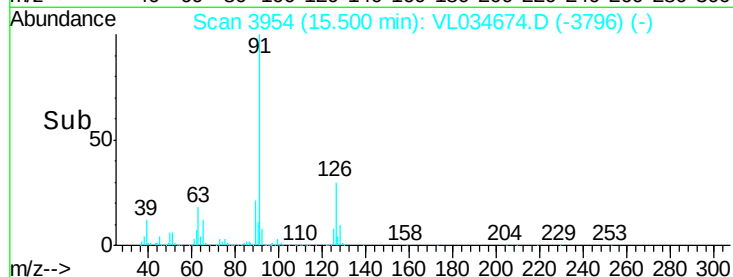
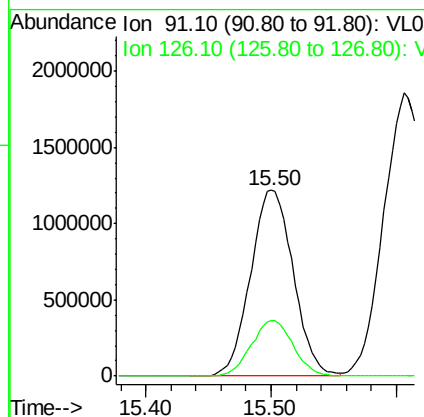
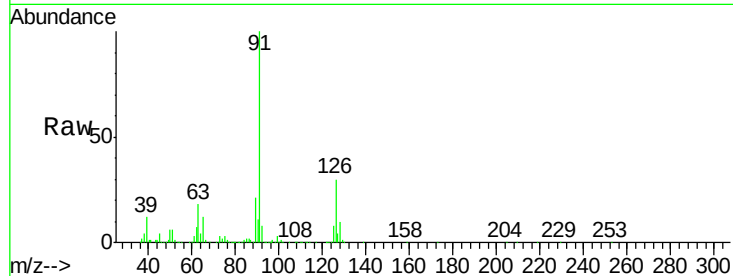
#71
 2-Chlorotoluene
 Concen: 9.510 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion: 91 Resp: 2893428
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.0

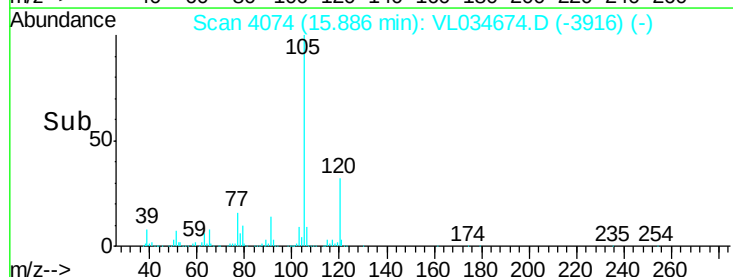
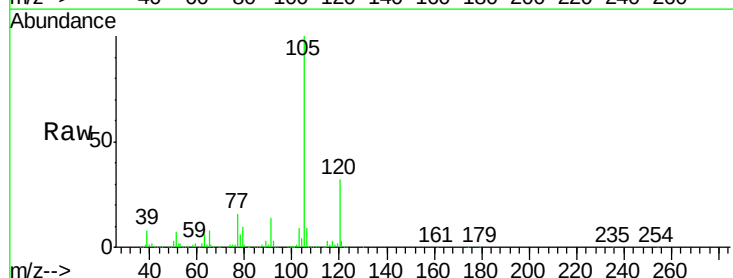
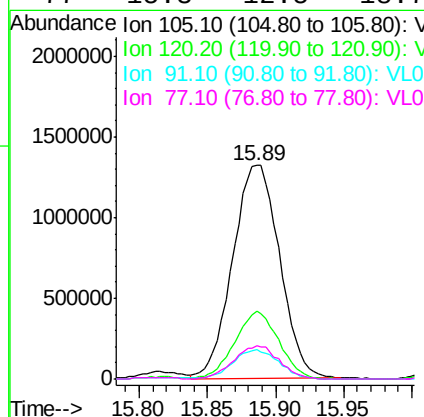
Manual Integrations
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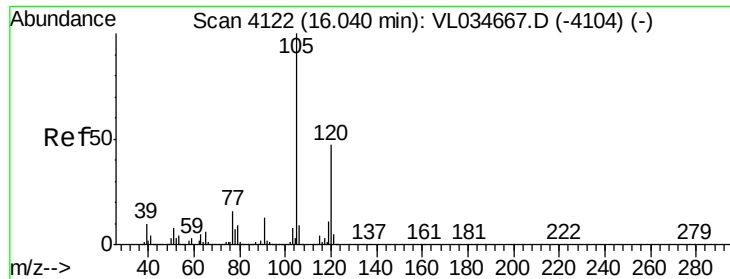
MMDadoda
 2/26/2020 12:39:00 PM



#72
 4-Ethyltoluene
 Concen: 9.389 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion: 105 Resp: 3159955
 Ion Ratio Lower Upper
 105 100
 120 30.6 23.2 34.8
 91 13.7 10.9 16.3
 77 15.3 12.5 18.7





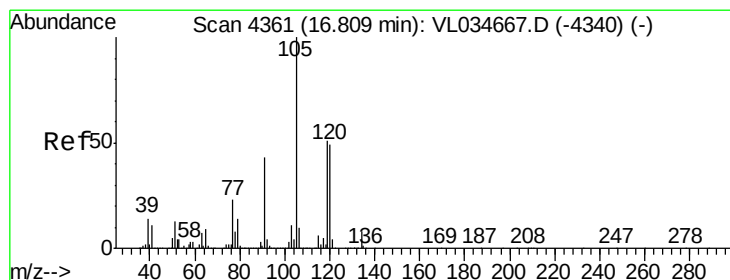
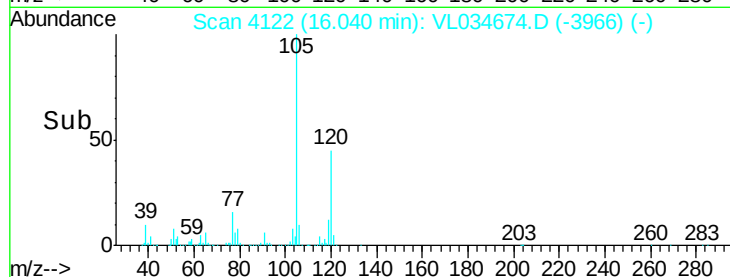
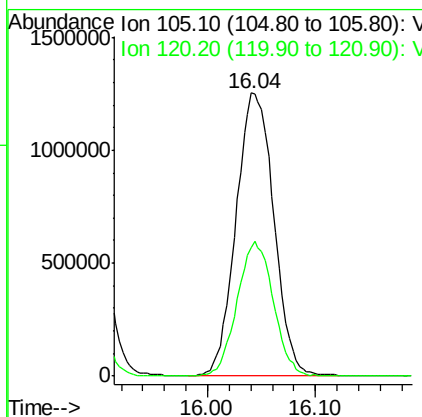
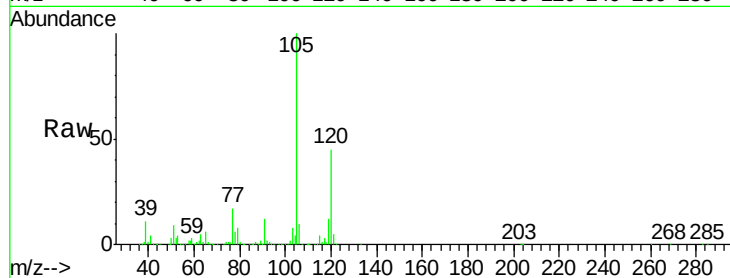
#73
 1,3,5-Trimethylbenzene
 Concen: 9.518 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion:105 Resp: 3042268
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.2 55.8

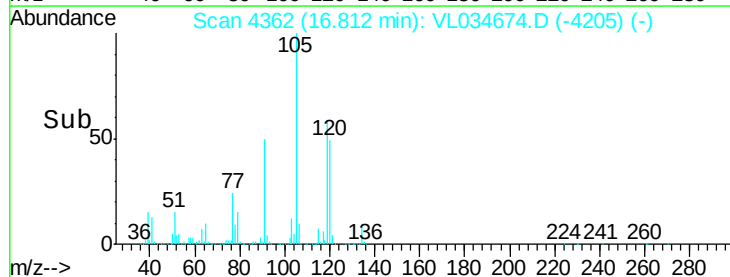
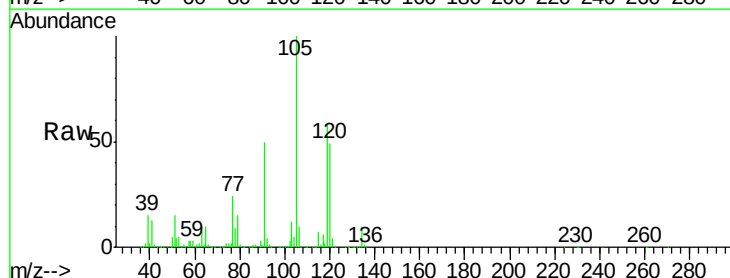
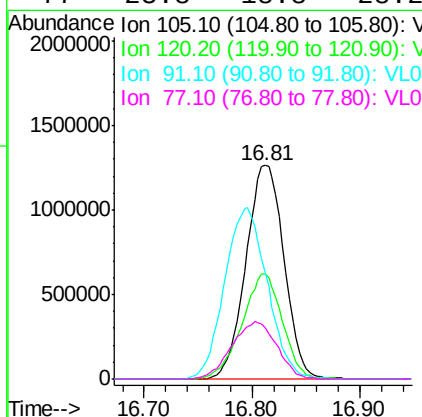
Manual Integrations
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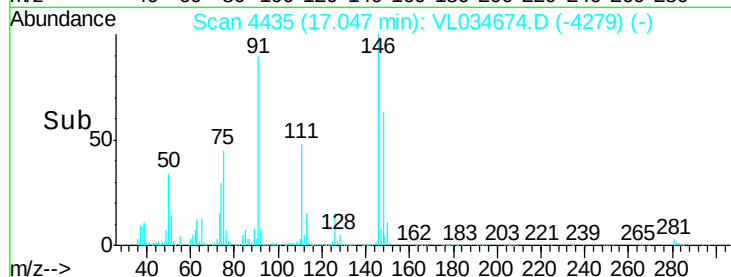
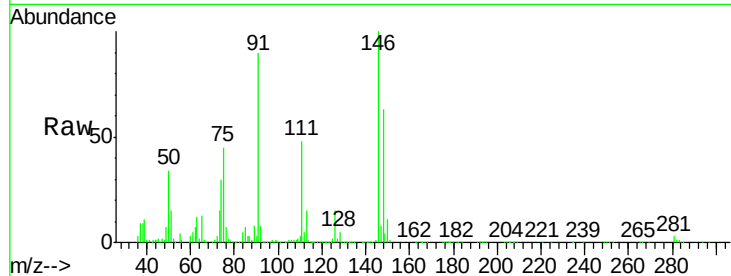
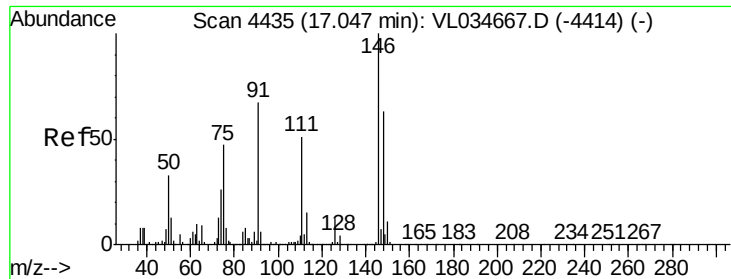
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.026 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion:105 Resp: 3098061
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.4 59.0
 91 49.8 35.1 52.7
 77 23.8 18.8 28.2





#75
 1,3-Dichlorobenzene
 Concen: 8.557 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

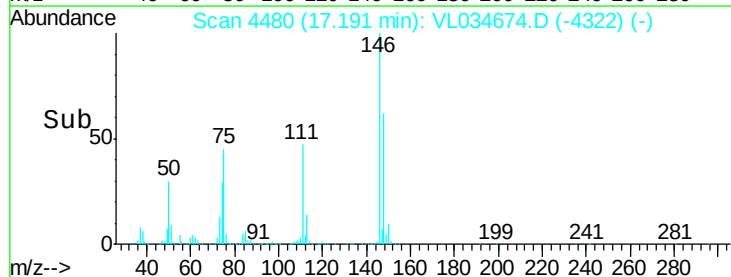
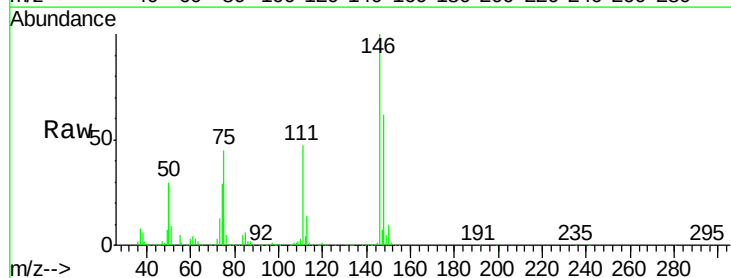
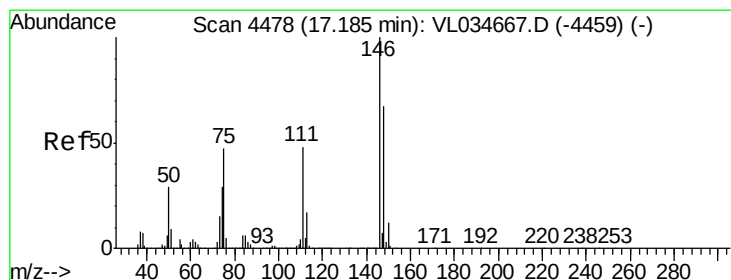
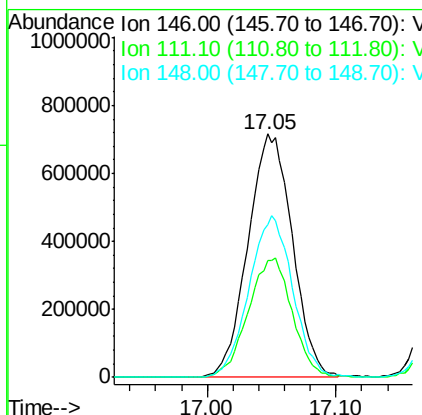
Tot Ion:146 Resp: 1718565

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.0	72.0
148	65.1	32.1	96.5

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Manual Integrations
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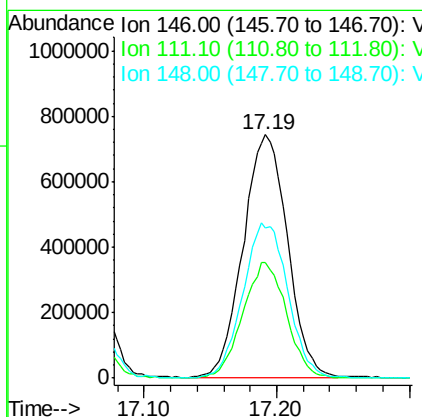
MMDadoda
 2/26/2020 12:39:00 PM

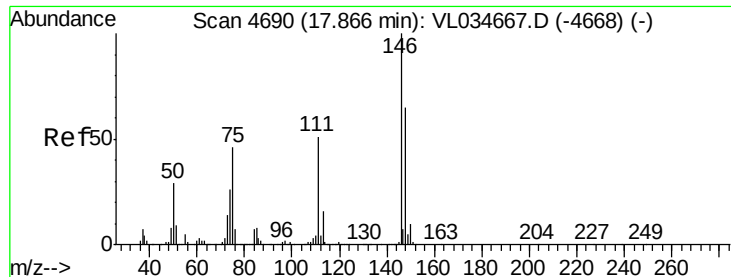


#76
 1,4-Dichlorobenzene
 Concen: 8.709 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion:146 Resp: 1722844

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.8	71.2
148	65.4	32.3	96.9





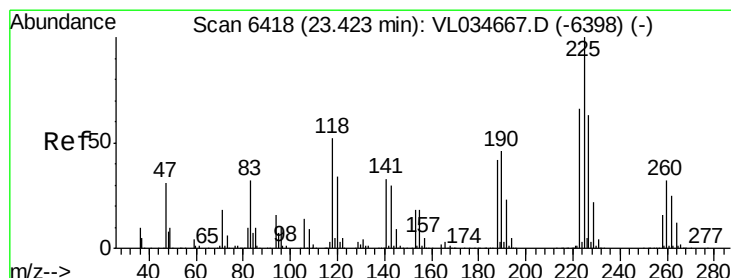
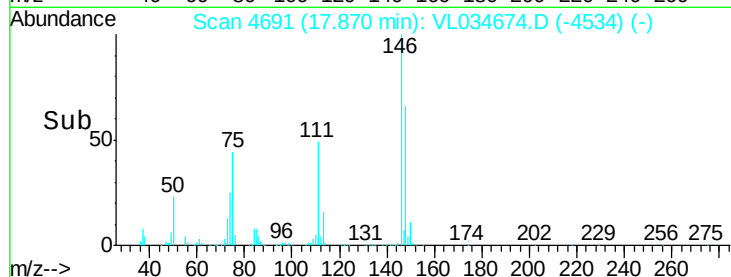
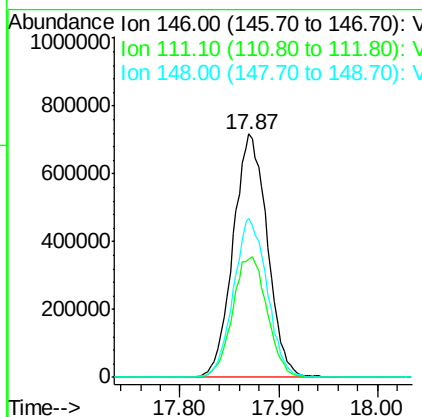
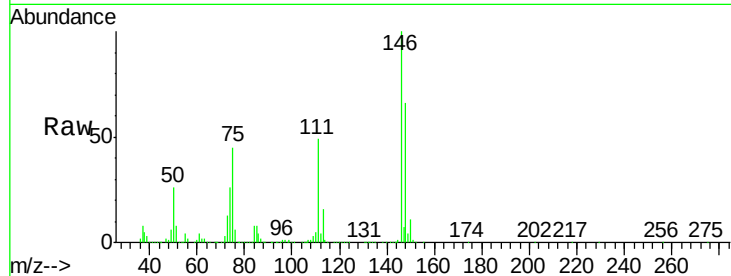
#77
 1,2-Dichlorobenzene
 Concen: 8.947 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion:146 Resp: 1724930
 Ion Ratio Lower Upper
 146 100
 111 50.2 24.9 74.7
 148 64.2 32.1 96.3

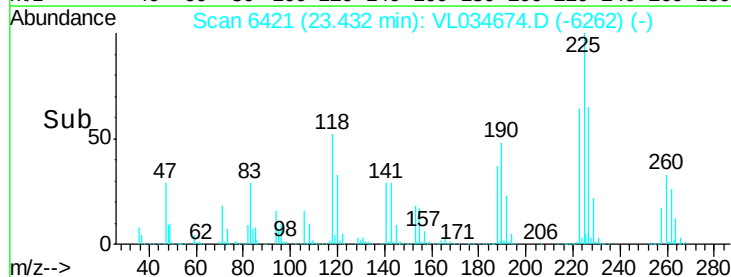
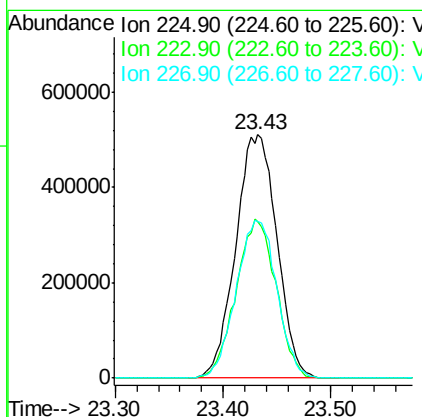
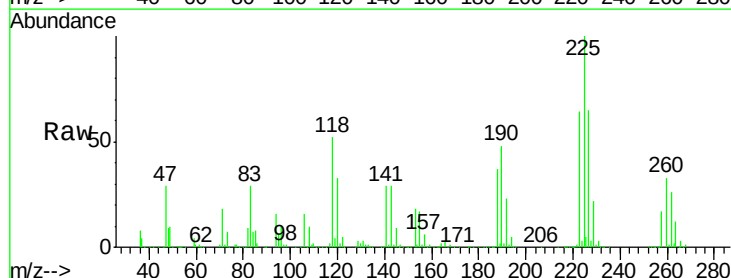
Manual Integrations
 APPROVED

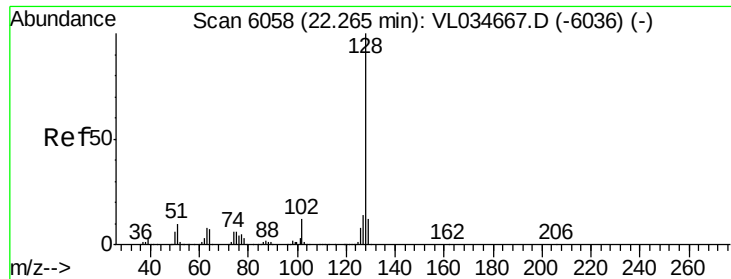
MMDadoda
 2/26/2020 12:39:00 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.711 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Tgt Ion:225 Resp: 1355801
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.4 75.6
 227 64.1 51.8 77.8





#79

Naphthalene

Concen: 10.974 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

Instrument :

MSVOA_L

ClientSampleId :

ICVVL022520

Tot Ion:128 Resp: 2806292

Ion Ratio Lower Upper

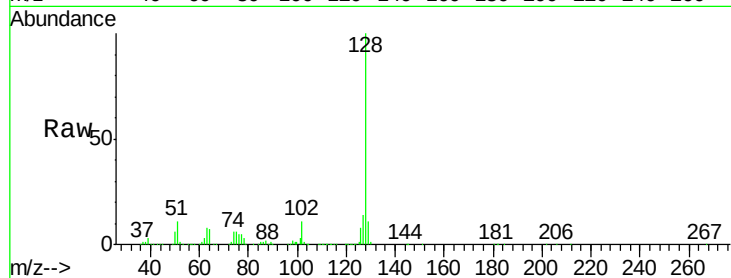
128 100

127 13.6 11.0 16.4

129 11.3 9.5 14.3

Manual Integrations
APPROVED

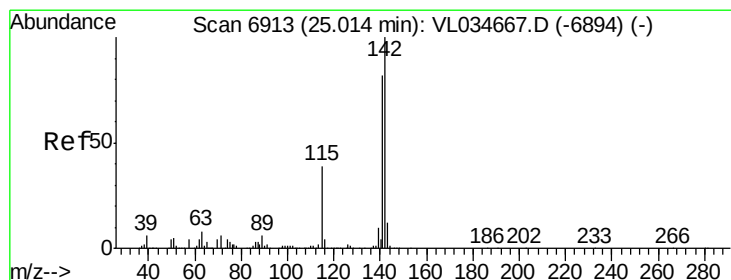
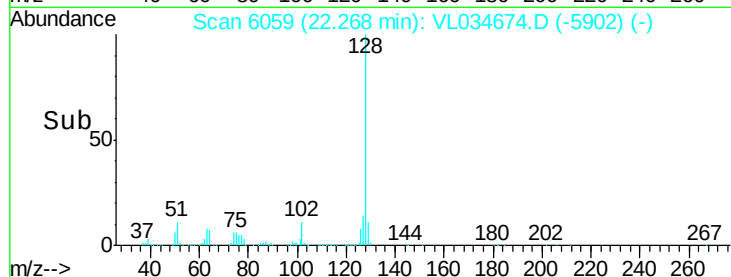
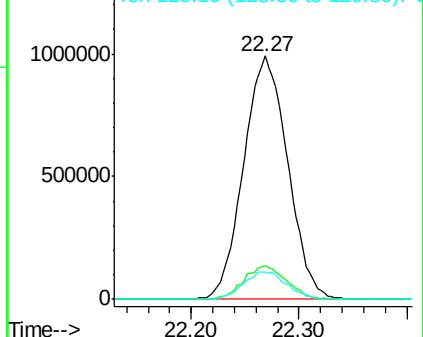
MMDadoda
2/26/2020 12:39:00 PM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.462 ppbv

RT: 25.02 min Scan# 6915

Delta R.T. 0.01 min

Lab File: VL034674.D

Acq: 25 Feb 2020 15:47

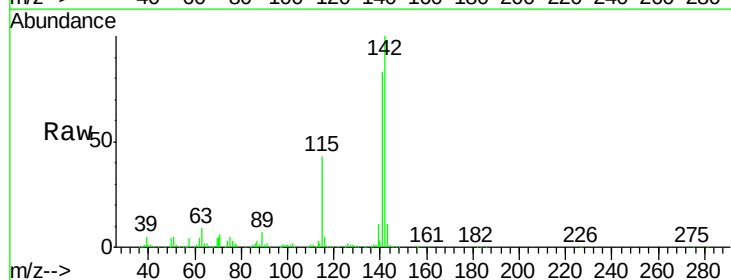
Tgt Ion:142 Resp: 933574

Ion Ratio Lower Upper

142 100

141 83.5 68.1 102.1

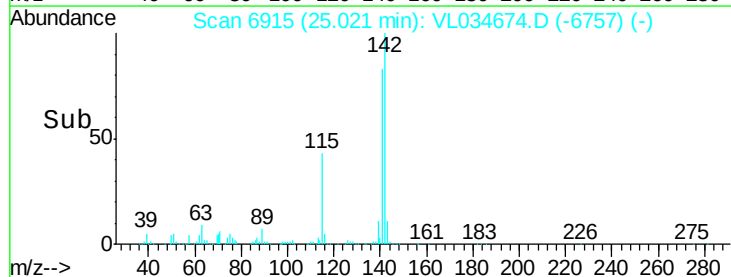
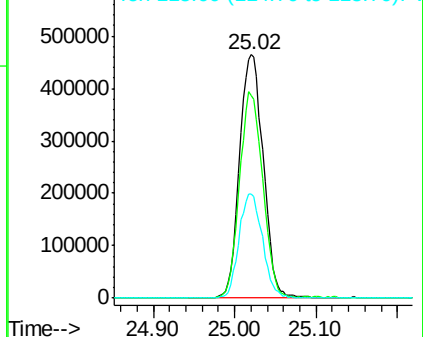
115 42.3 31.0 46.6

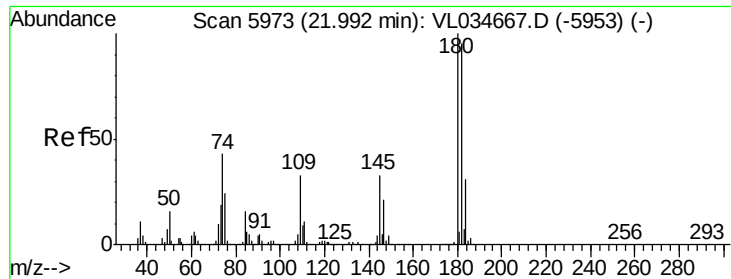


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.489 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034674.D
 Acq: 25 Feb 2020 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022520

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.7	116.5
184	30.5	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 12:39:00 PM

