

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035705.D
 Acq On : 23 Sep 2020 4:02
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:35:12 PM

Quant Time: Sep 23 05:39:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 05:25:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1301737	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4873830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4984225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3663699	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	404144	1.794	ppbv	99
3) Chlorodifluoromethane	2.99	51	285080	2.004	ppbv	96
4) Chloromethane	3.14	50	151843	1.993	ppbv	98
5) Vinyl Chloride	3.26	62	182993	1.936	ppbv	99
6) Bromomethane	3.47	94	151163	1.923	ppbv	89
7) Chloroethane	3.56	64	67361	2.024	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	532725	1.974	ppbv	98
9) Propene	3.01	41	102710	1.875	ppbv	99
10) Heptane	8.14	43	296585	1.983	ppbv	99
11) Trichlorofluoromethane	3.95	101	626748	1.931	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	461254	1.887	ppbv	98
13) Ethanol	3.61	45	22691m	1.670	ppbv	
14) Bromoethene	3.74	108	195835	1.873	ppbv	99
15) Acetone	3.85	43	300418	2.126	ppbv	93
16) 1,3-Butadiene	3.33	39	108733	2.044	ppbv	98
17) tert-Butyl alcohol	4.29	59	280288	1.647	ppbv	99
18) 1,1-Dichloroethene	4.29	96	200739	1.866	ppbv	95
19) Isopropyl Alcohol	3.97	45	131430	1.580	ppbv #	96
20) Methylene Chloride	4.35	84	218001	2.049	ppbv	97
21) Allyl Chloride	4.41	41	135799	2.030	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	208135	1.815	ppbv	97
23) Vinyl Acetate	5.08	43	354127	1.944	ppbv	99
24) 1,1-Dichloroethane	5.02	63	385737	2.045	ppbv	99
25) Ethyl Acetate	5.69	43	523830	2.060	ppbv	99
26) Hexane	5.70	57	293407	2.041	ppbv	99
27) Carbon Disulfide	4.56	76	421888	2.057	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	457486	1.872	ppbv	100
29) Chloroform	5.76	83	574344	1.978	ppbv	98
30) Cyclohexane	7.14	84	277810	1.834	ppbv #	84
31) cis-1,2-Dichloroethene	5.56	61	273164	1.874	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	521794	1.858	ppbv	99
34) 2-Butanone	5.25	43	344083	2.320	ppbv	98
35) Carbon Tetrachloride	7.03	117	537267	2.181	ppbv	97
36) Benzene	6.90	78	678417	2.128	ppbv	96
37) 1,2-Dichloroethane	6.31	62	338206	2.203	ppbv	100
38) Trichloroethene	7.85	130	339460	1.854	ppbv	96
39) 1,2-Dichloropropane	7.63	63	234864	2.166	ppbv	95
40) 1,4-Dioxane	7.86	88	99533	1.883	ppbv #	57
41) Tetrahydrofuran	6.06	42	171458	2.183	ppbv	97
42) Bromodichloromethane	7.80	83	547105	2.210	ppbv	98
43) Methyl Methacrylate	8.03	69	268399	2.160	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1005723	2.366	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	254825	2.031	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	316968	2.033	ppbv	95
47) 1,1,2-Trichloroethane	9.49	97	339021	2.135	ppbv	98
48) Dibromochloromethane	10.32	129	518420	2.092	ppbv	100
49) Bromoform	13.06	173	435528	1.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	512258	2.377	ppbv	98
51) 2-Hexanone	10.16	43	421692	2.393	ppbv #	96
52) Tetrachloroethene	11.25	164	315873	1.740	ppbv	97
53) Toluene	9.83	91	822863	2.059	ppbv	96
54) 1,2-Dibromoethane	10.63	107	515469	2.063	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	426439	2.083	ppbv #	1
57) Chlorobenzene	12.17	112	781528	2.102	ppbv	97
58) Ethyl Benzene	12.73	91	1109455	2.120	ppbv	94
59) m/p-Xylene	13.02	91	1926317m	4.376	ppbv	
60) o-Xylene	13.72	91	967457	2.185	ppbv	97
61) Styrene	13.55	104	665245	1.990	ppbv	98
62) Isopropylbenzene	14.70	105	1515103	2.149	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.70	83	750319	2.190	ppbv	98
64) n-propylbenzene	15.59	120	427375	2.002	ppbv	75
65) tert-Butylbenzene	16.77	119	1419541	2.175	ppbv	96
66) Benzyl Chloride	17.02	91	356974	2.131	ppbv	97
67) sec-Butylbenzene	17.32	105	1997002	2.284	ppbv	93
69) p-Isopropyltoluene	17.68	119	1631031	2.146	ppbv	94
70) n-Butylbenzene	18.58	91	1673120	2.263	ppbv	93
71) 2-Chlorotoluene	15.48	91	1105124	2.143	ppbv	97
72) 4-Ethyltoluene	15.87	105	1169616	2.100	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	1101015	2.135	ppbv	94
74) 1,2,4-Trimethylbenzene	16.79	105	1253956	2.212	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	811348	1.971	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	771358	1.900	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	763696	1.916	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	424481	1.702	ppbv	99
79) Naphthalene	22.24	128	1250501	2.055	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	228291	1.152	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	612719	1.717	ppbv	99

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

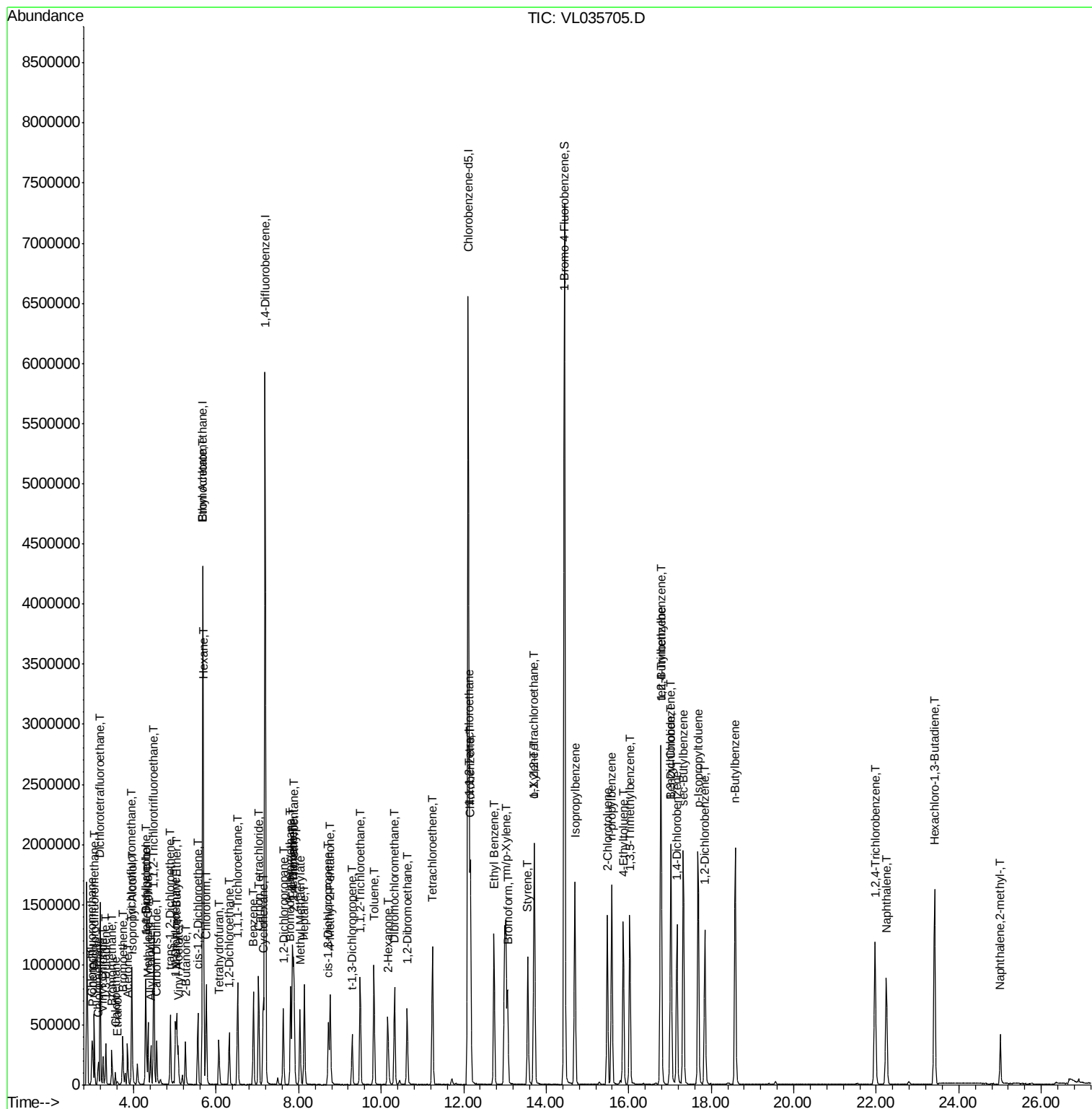
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\
Data File : VL035705.D
Acq On : 23 Sep 2020 4:02
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

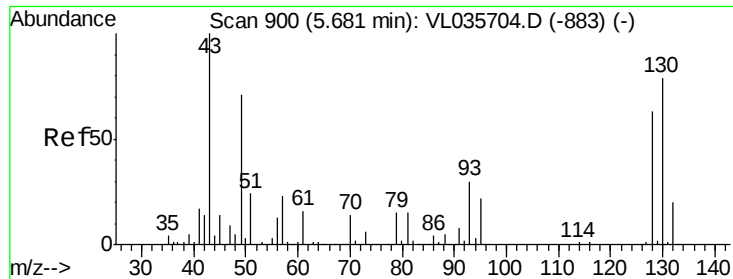
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1301737

Ion Ratio Lower Upper

49 100

128 84.9 43.1 129.4

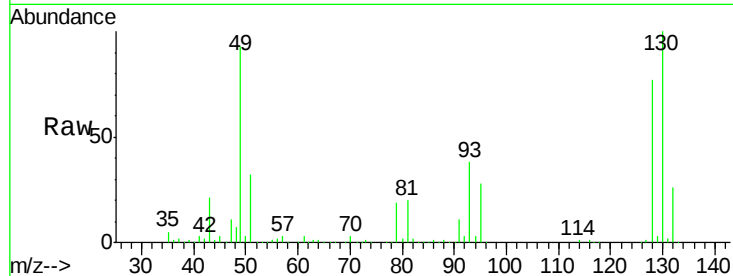
130 108.1 54.9 164.7

Manual Integrations

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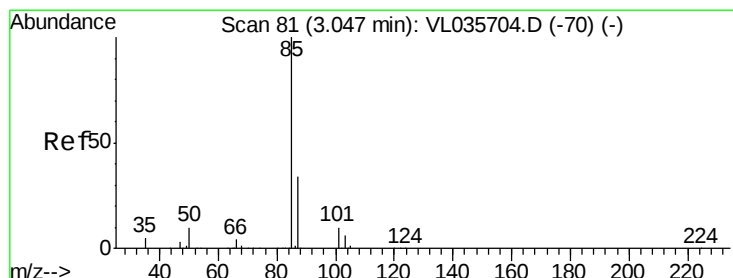
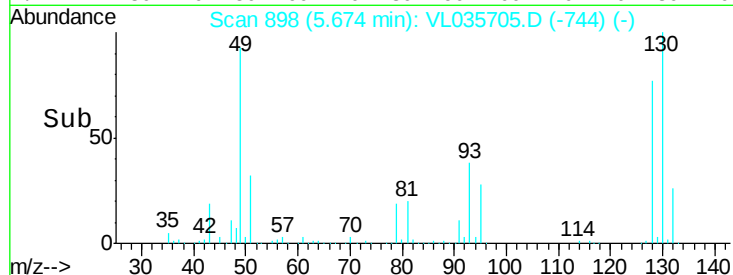
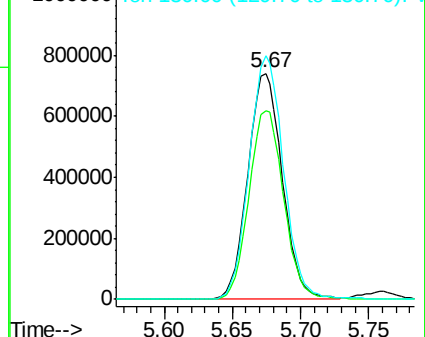
9/24/2020 1:35:12 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.794 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035705.D

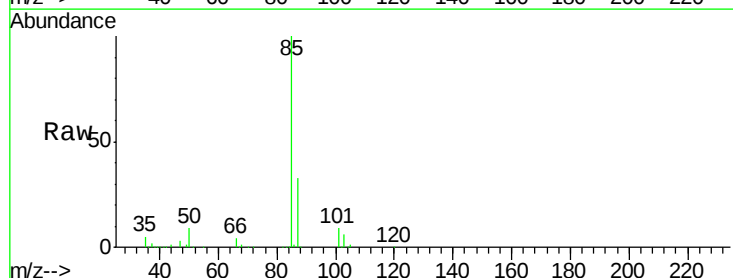
Acq: 23 Sep 2020 4:02

Tgt Ion: 85 Resp: 404144

Ion Ratio Lower Upper

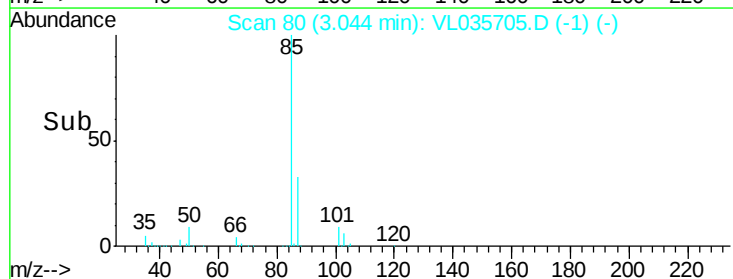
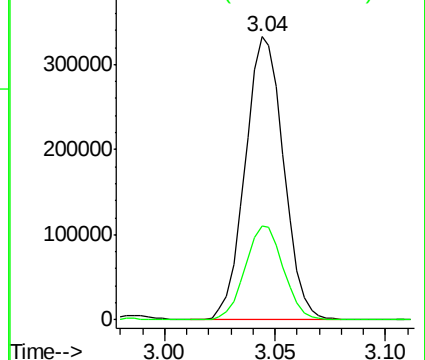
85 100

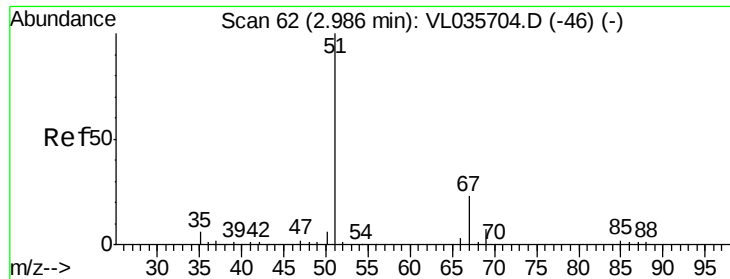
87 33.4 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.004 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tot Ion: 51 Resp: 285080

Ion Ratio Lower Upper

51 100

67 20.6 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

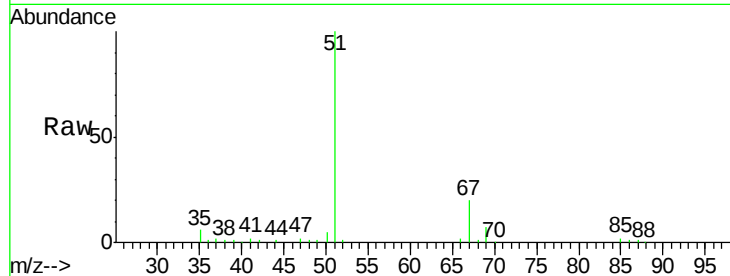
VSTDIC002

Manual Integrations

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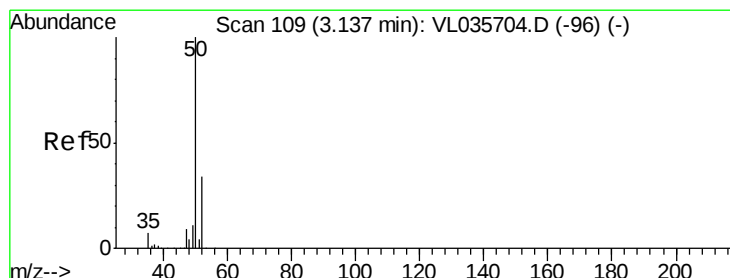
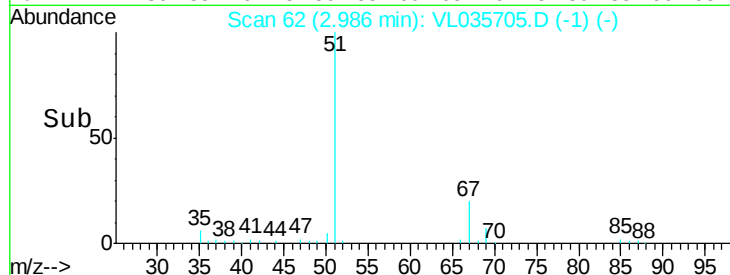
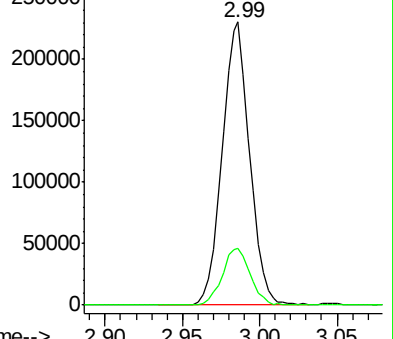
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.993 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035705.D

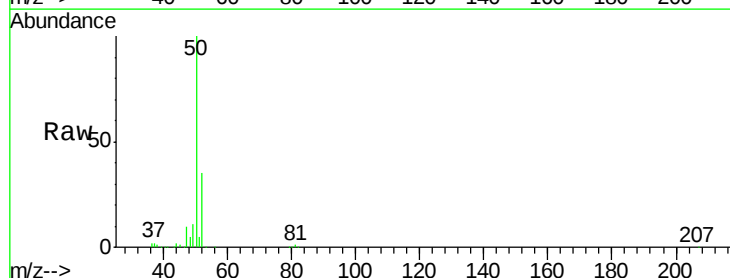
Acq: 23 Sep 2020 4:02

Tgt Ion: 50 Resp: 151843

Ion Ratio Lower Upper

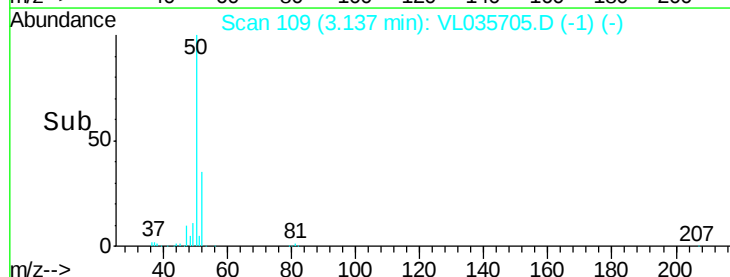
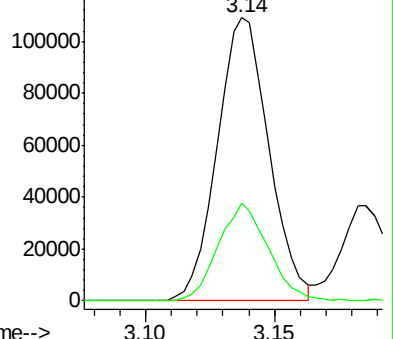
50 100

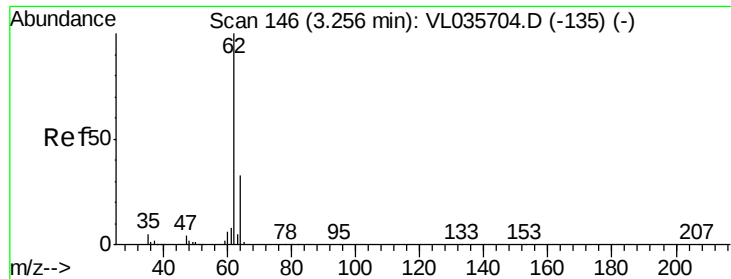
52 34.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.936 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 182993

Ion Ratio Lower Upper

62 100

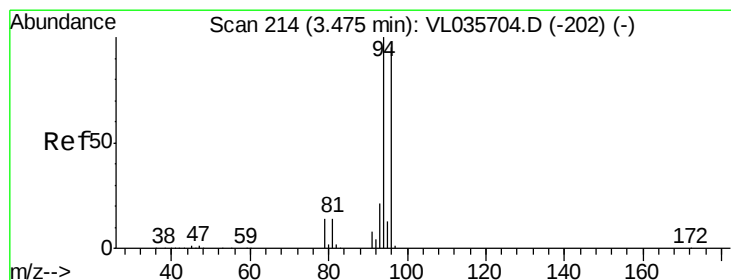
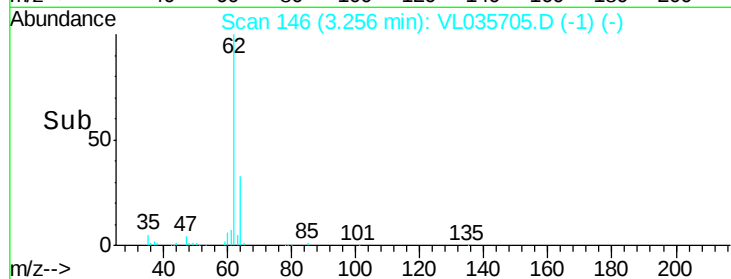
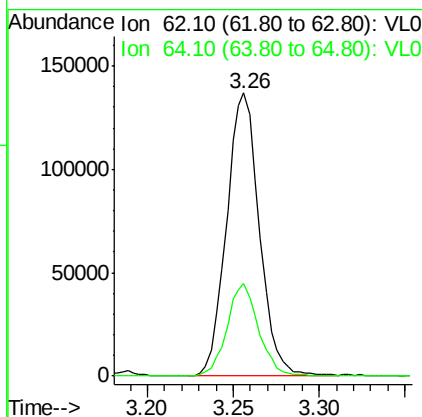
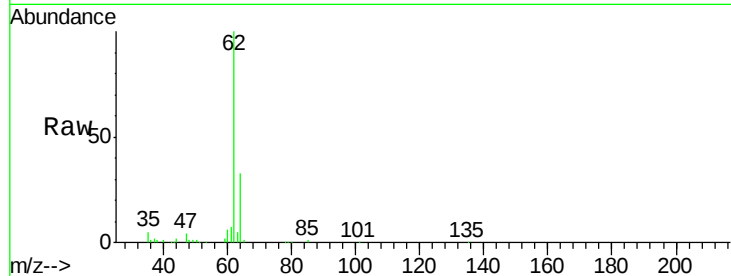
64 32.7 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 1.923 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035705.D

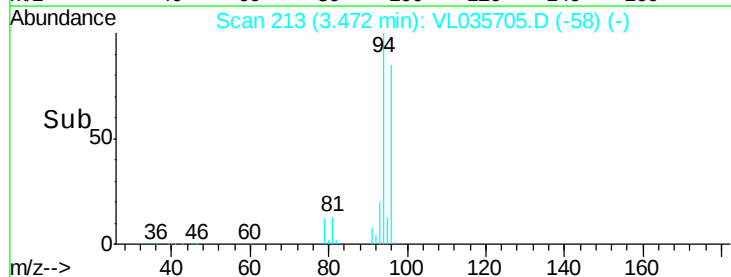
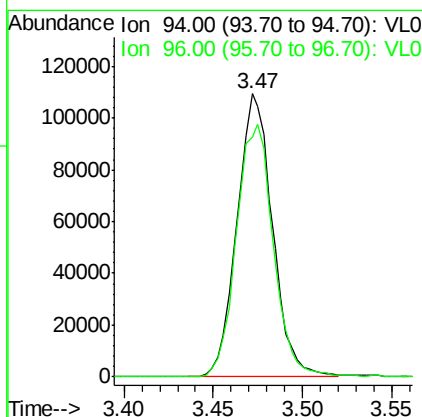
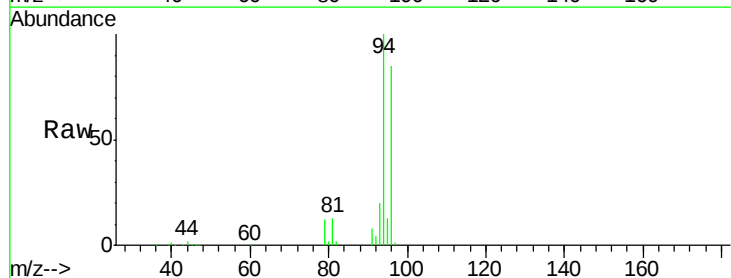
Acq: 23 Sep 2020 4:02

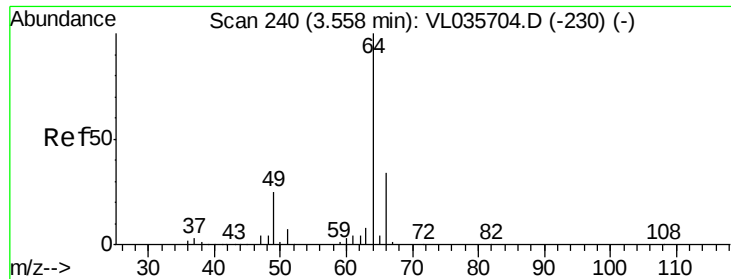
Tgt Ion: 94 Resp: 151163

Ion Ratio Lower Upper

94 100

96 84.8 76.3 114.5





#7

Chloroethane

Concen: 2.024 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 67361

Ion Ratio Lower Upper

64 100

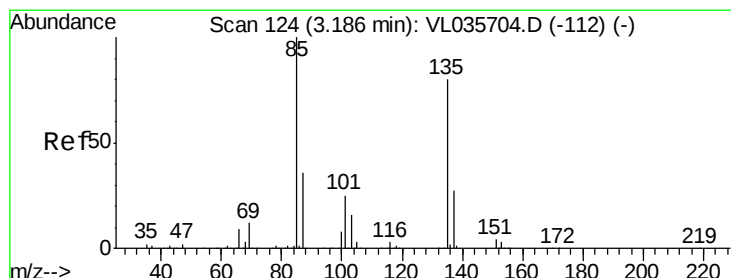
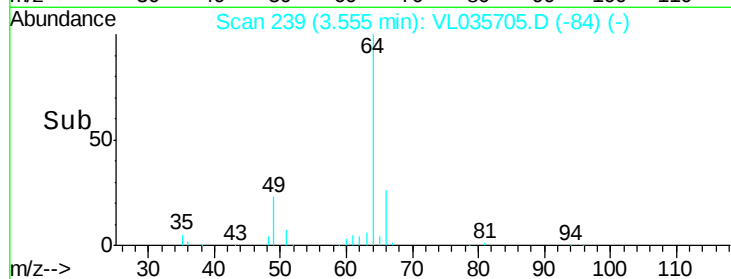
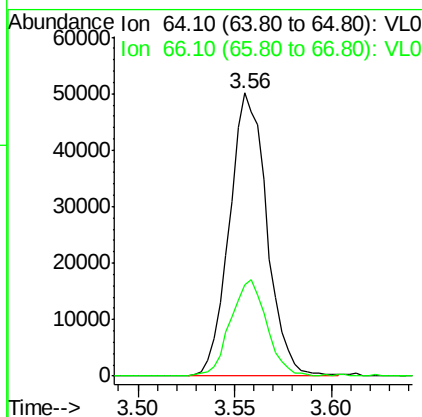
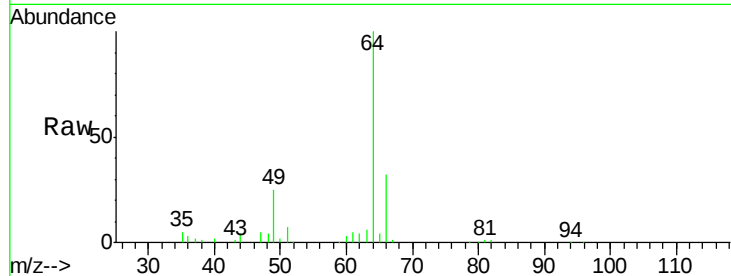
66 32.3 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.974 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035705.D

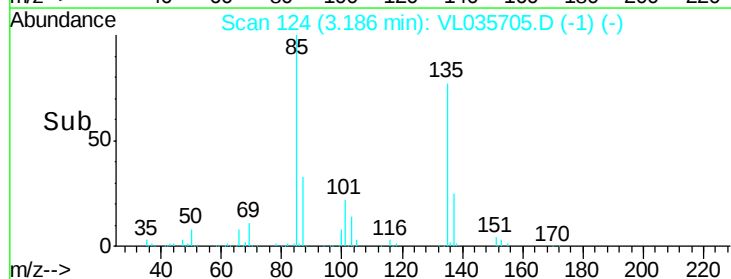
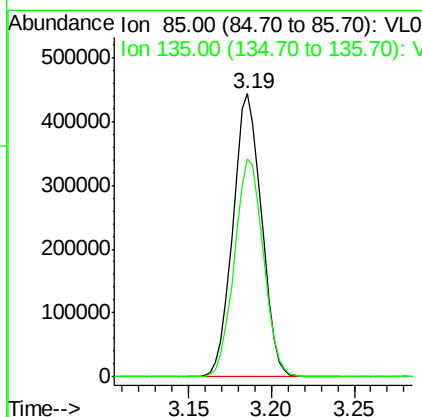
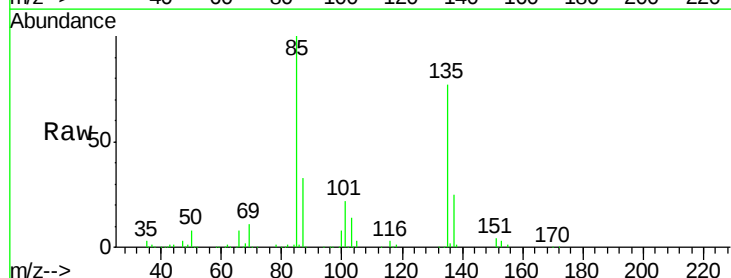
Acq: 23 Sep 2020 4:02

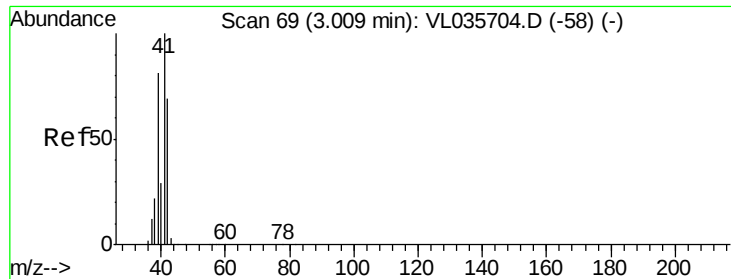
Tgt Ion: 85 Resp: 532725

Ion Ratio Lower Upper

85 100

135 78.3 64.3 96.5





#9

Propene

Concen: 1.875 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tot Ion: 41 Resp: 102710

Ion Ratio Lower Upper

41 100

42 69.1 56.2 84.4

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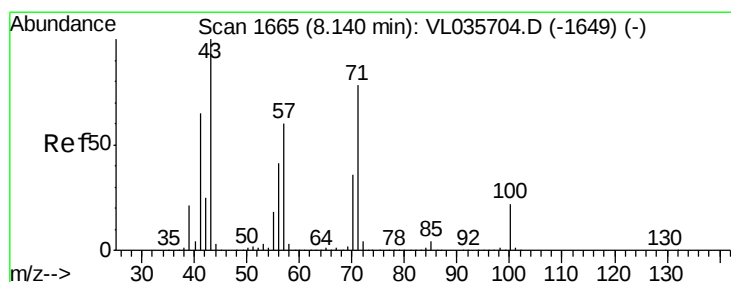
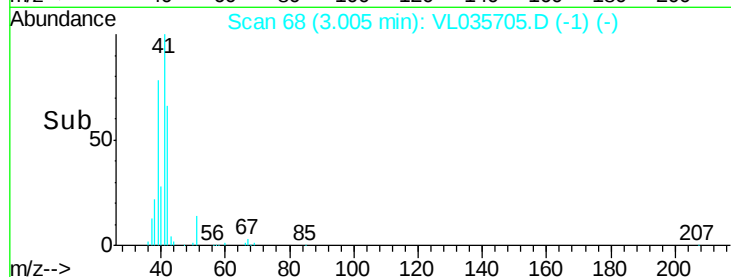
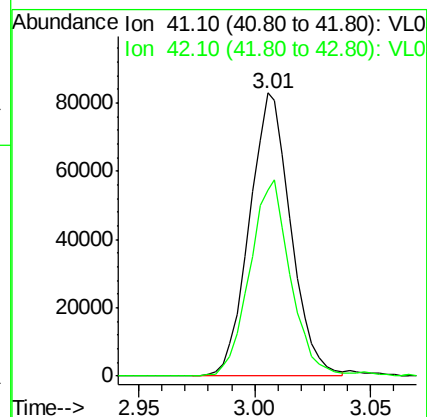
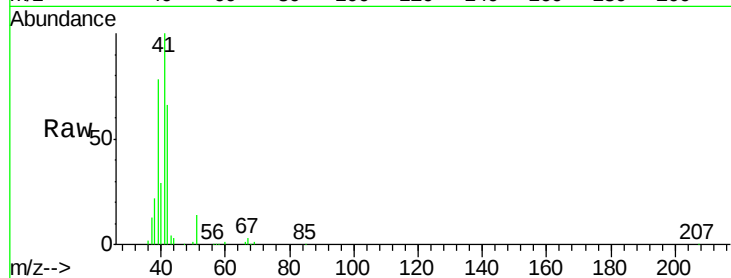
VSTDIC002

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#10

Heptane

Concen: 1.983 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VL035705.D

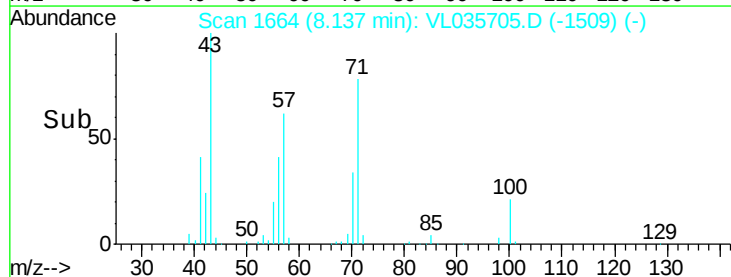
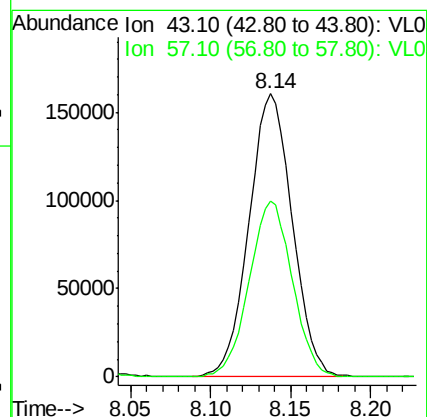
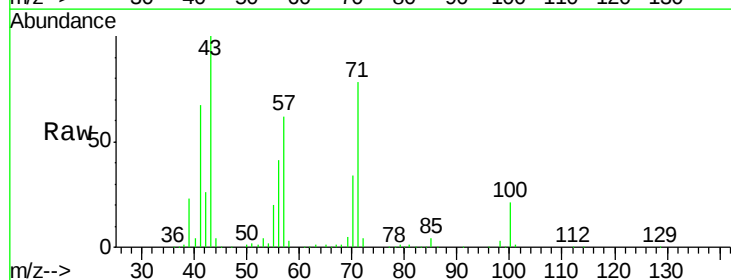
Acq: 23 Sep 2020 4:02

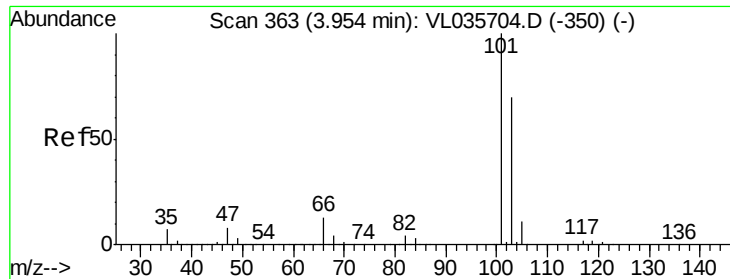
Tgt Ion: 43 Resp: 296585

Ion Ratio Lower Upper

43 100

57 62.4 50.4 75.6





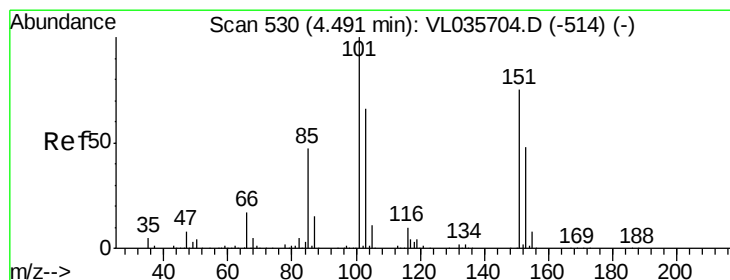
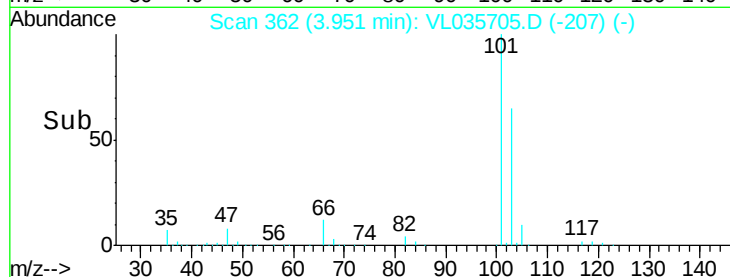
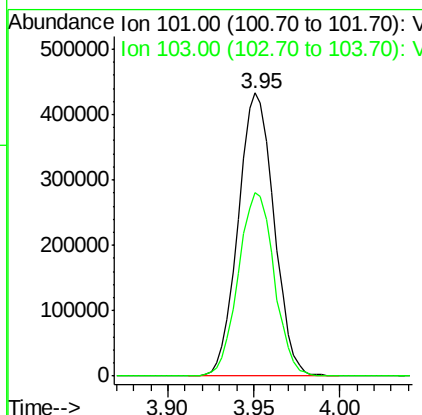
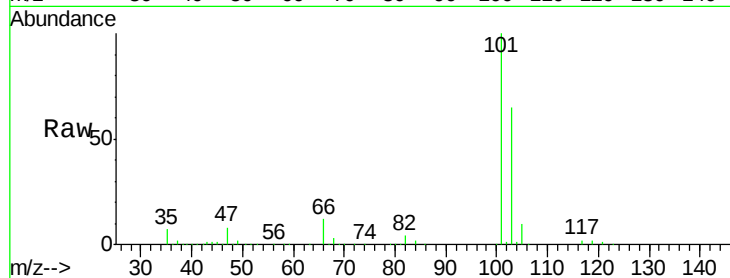
#11
 Trichlorofluoromethane
 Concen: 1.931 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:101 Resp: 626748
 Ion Ratio Lower Upper
 101 100
 103 64.9 55.6 83.4

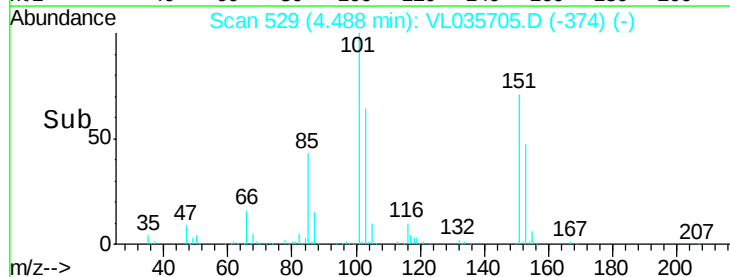
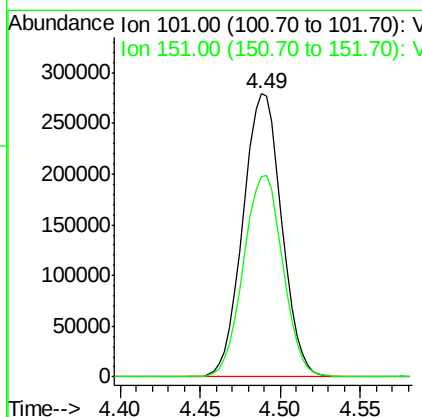
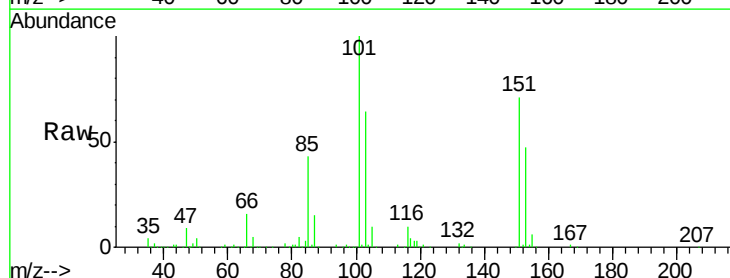
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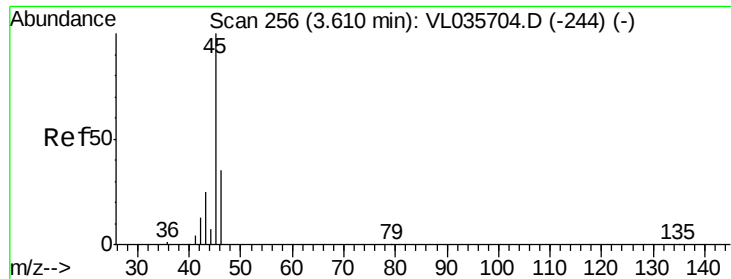
MMDadoda
 9/24/2020 1:35:12 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.887 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion:101 Resp: 461254
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.1 88.7





#13

Ethanol

Concen: 1.670 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 22691

Ion Ratio Lower Upper

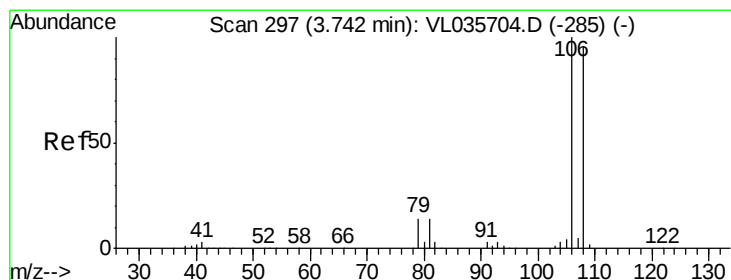
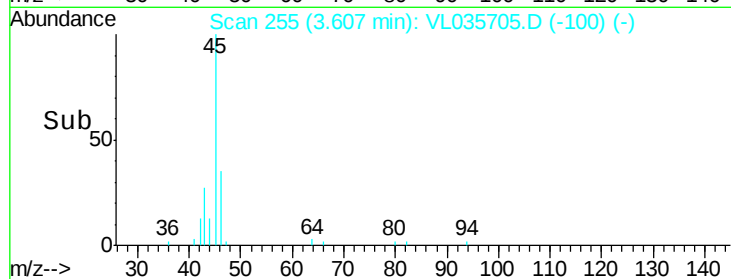
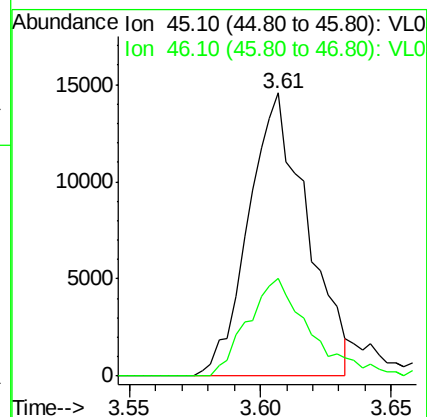
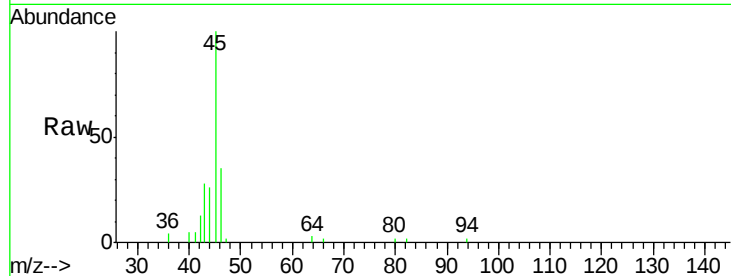
45 100

46 37.0 14.7 58.7

Manual Integrations
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#14

Bromoethene

Concen: 1.873 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

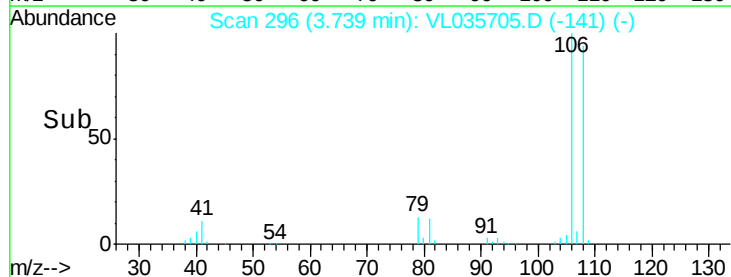
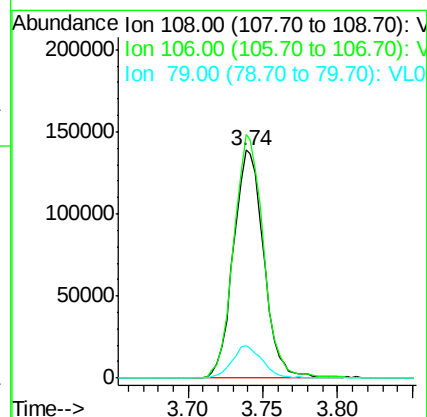
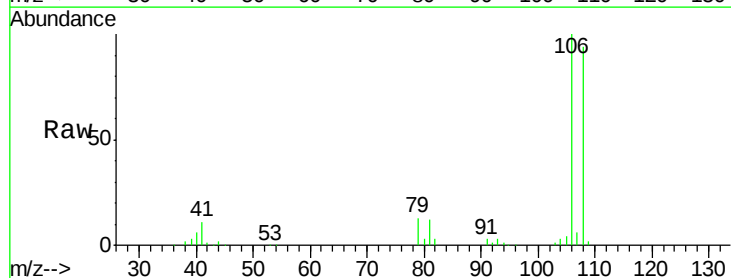
Tgt Ion: 108 Resp: 195835

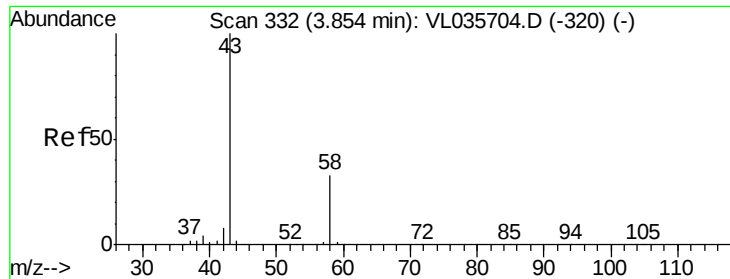
Ion Ratio Lower Upper

108 100

106 105.0 84.6 126.8

79 14.8 11.6 17.4





#15

Acetone

Concen: 2.126 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 300418

Ion Ratio Lower Upper

43 100

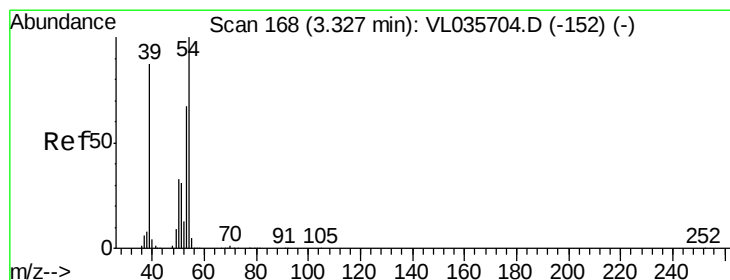
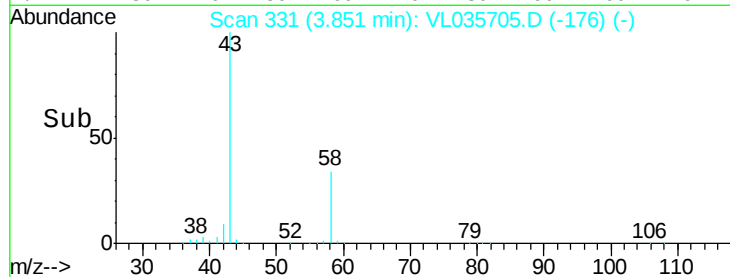
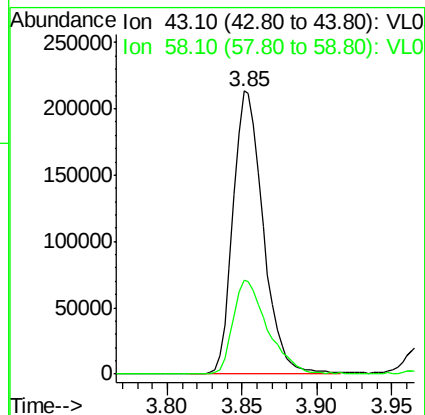
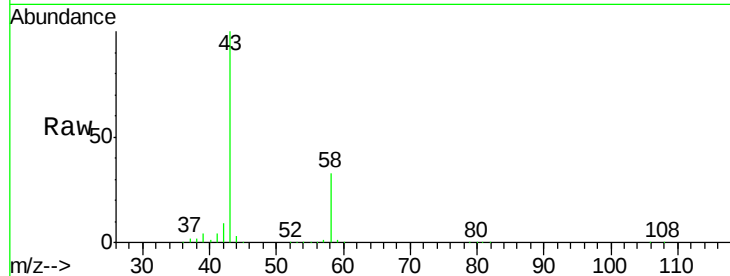
58 38.2 27.3 40.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.044 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035705.D

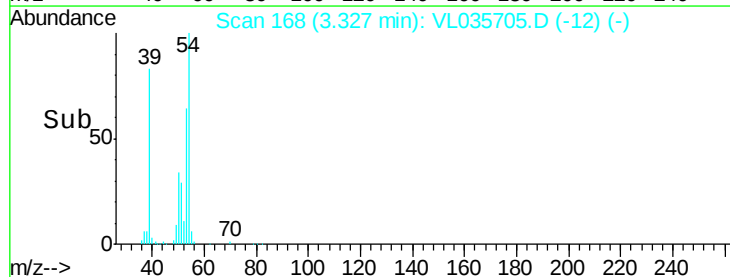
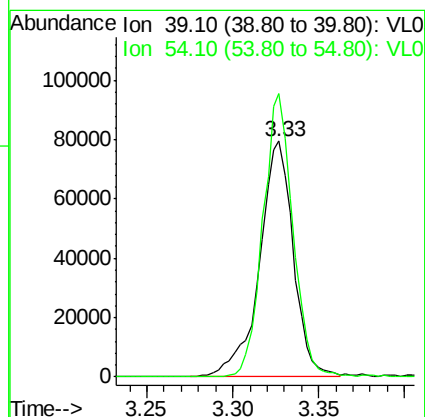
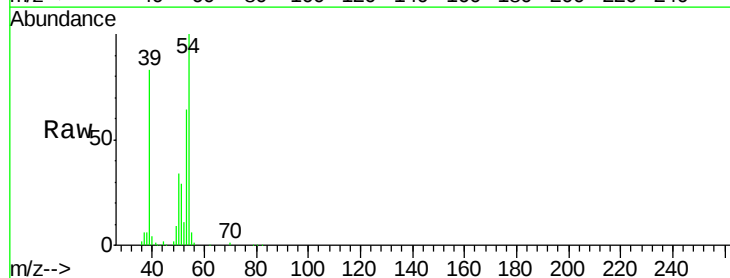
Acq: 23 Sep 2020 4:02

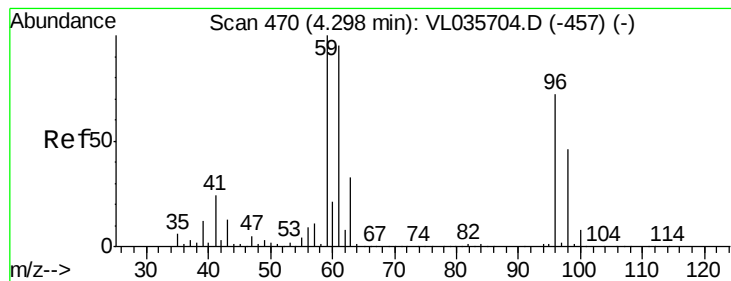
Tgt Ion: 39 Resp: 108733

Ion Ratio Lower Upper

39 100

54 106.7 87.4 131.0





#17

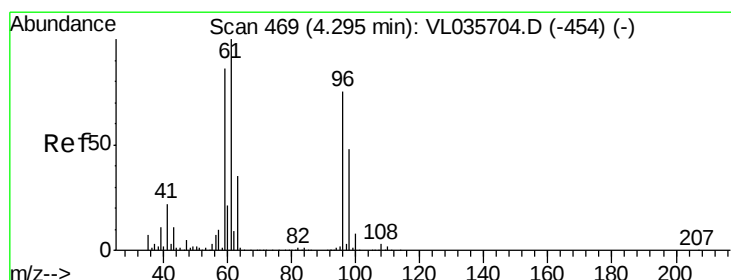
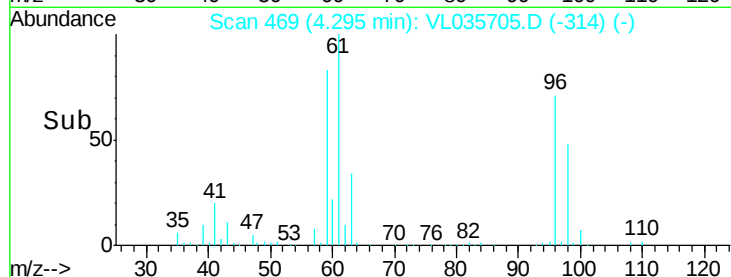
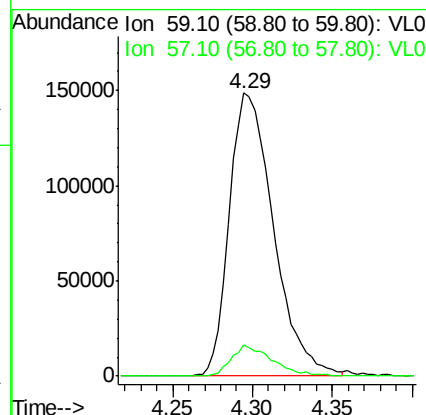
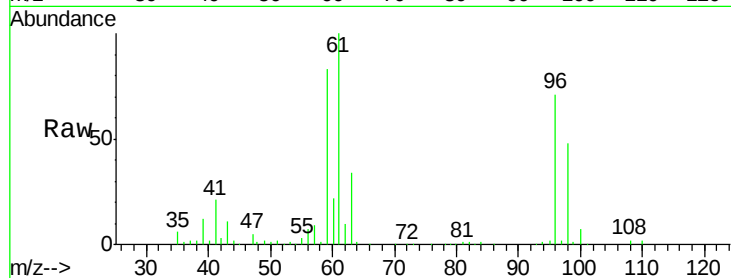
tert-Butyl alcohol
Concen: 1.647 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
59	100	280288		
57	10.3		8.5	12.7

Manual Integrations
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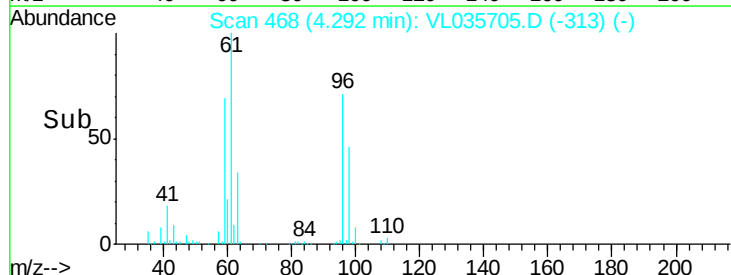
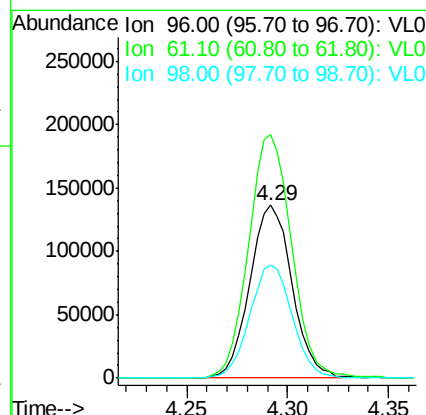
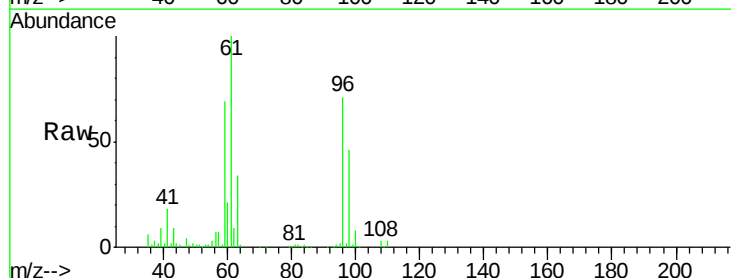
MMDadoda
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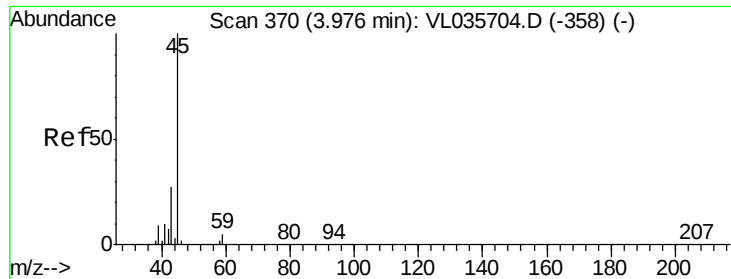


#18

1,1-Dichloroethene
Concen: 1.866 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	200739		
61	140.7		106.7	160.1
98	65.1		50.8	76.2





#19

Isopropyl Alcohol

Concen: 1.580 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 131430

Ion Ratio Lower Upper

45 100

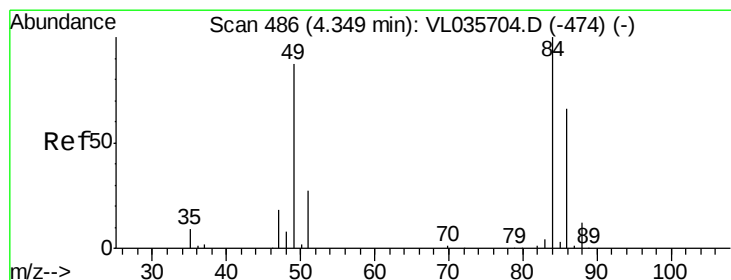
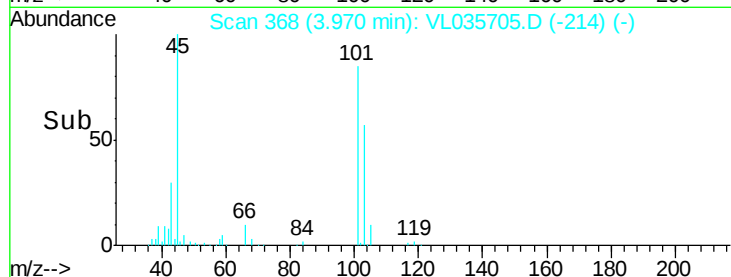
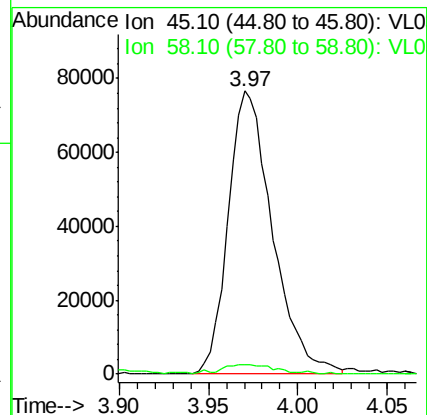
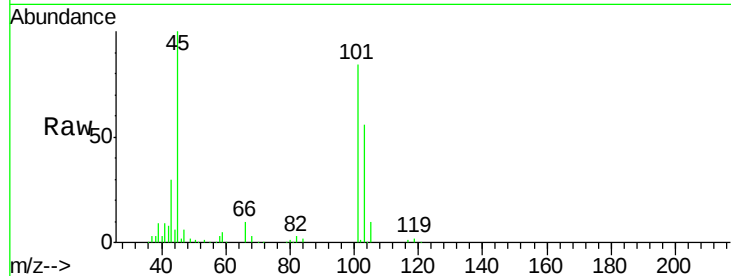
58 4.9 2.8 4.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 2.049 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion: 84 Resp: 218001

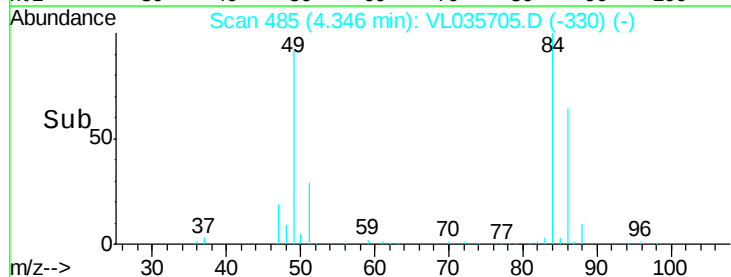
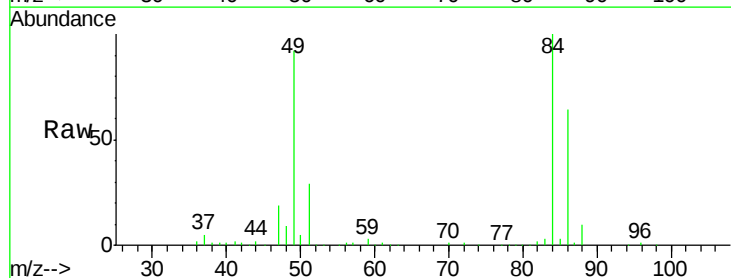
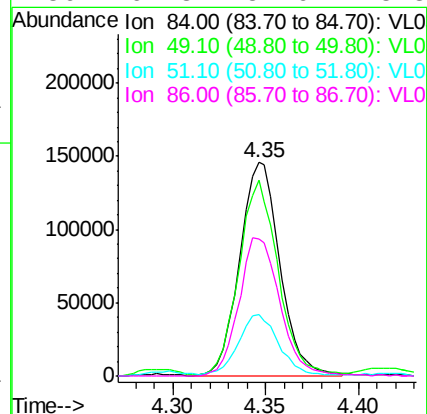
Ion Ratio Lower Upper

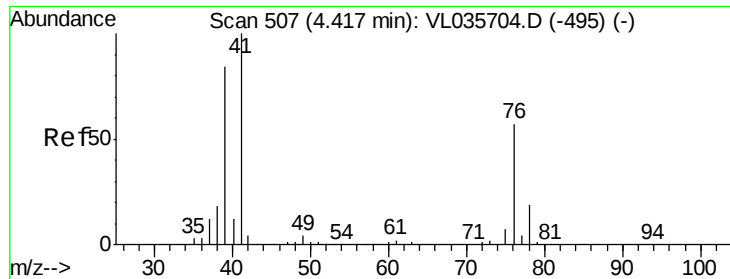
84 100

49 90.9 69.8 104.6

51 28.1 21.8 32.8

86 64.3 52.6 78.8





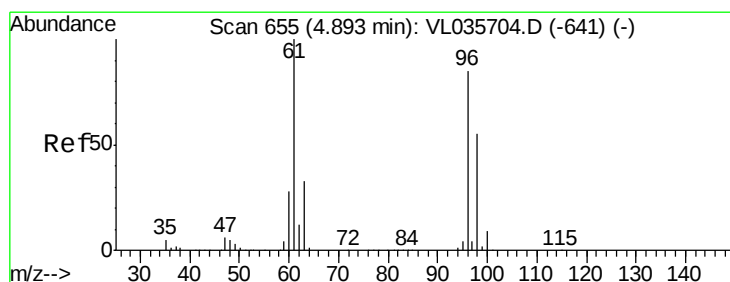
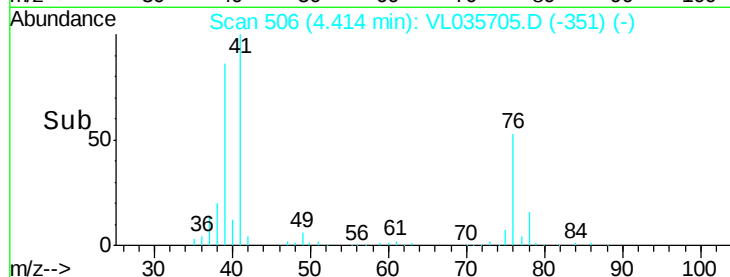
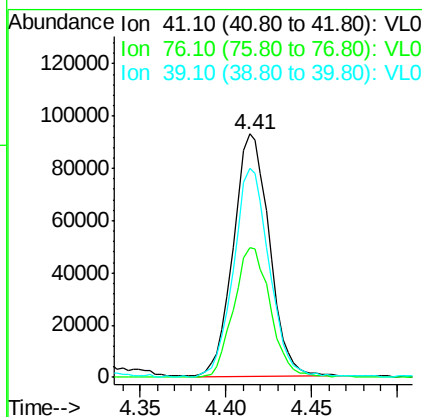
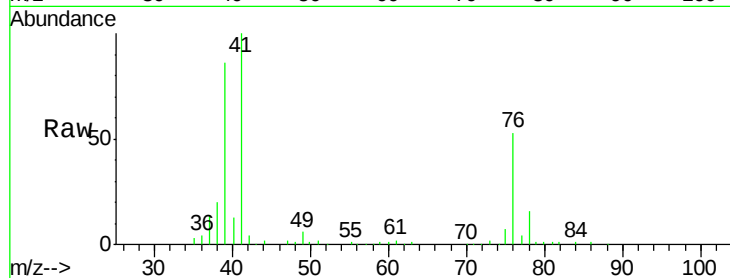
#21
Allvl Chloride
Concen: 2.030 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
41	100	135799		
76	54.2		44.8	67.2
39	85.2		68.4	102.6

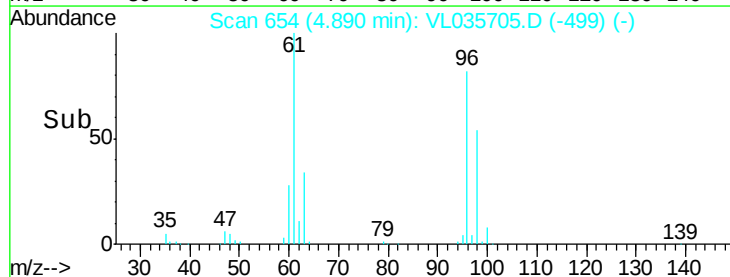
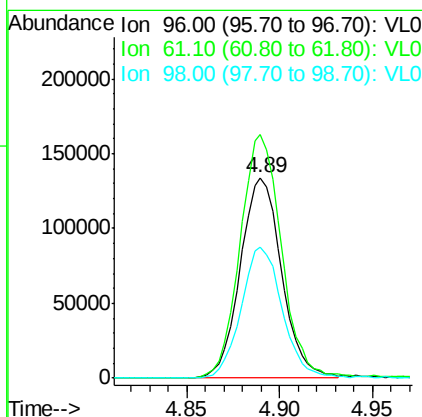
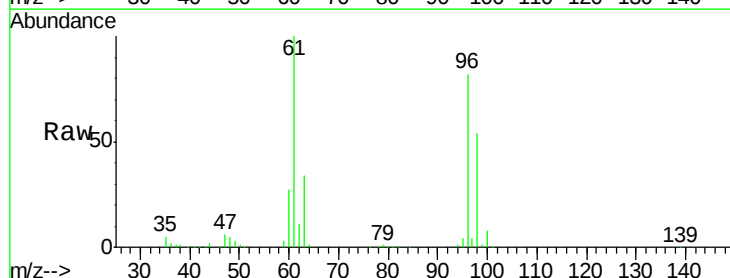
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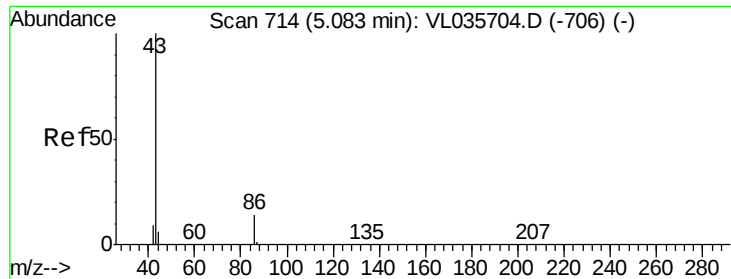
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 1.815 ppbv
RT: 4.89 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	208135		
61	121.3		93.7	140.5
98	65.3		51.2	76.8





#23

Vinyl Acetate

Concen: 1.944 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

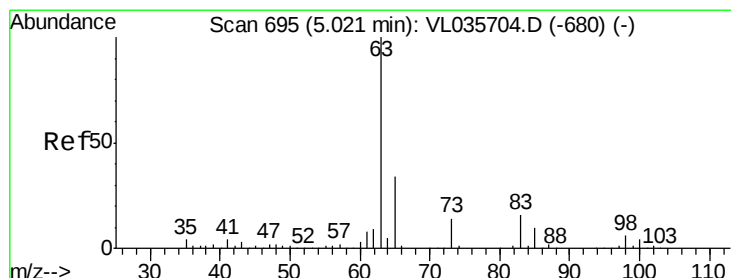
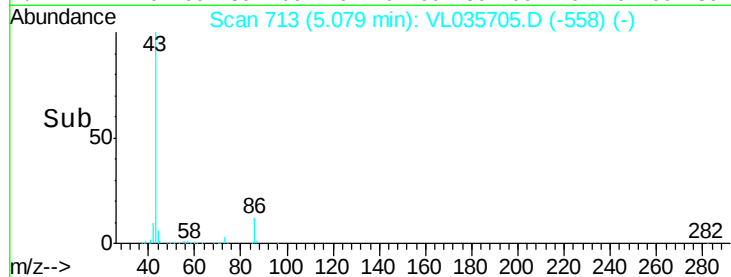
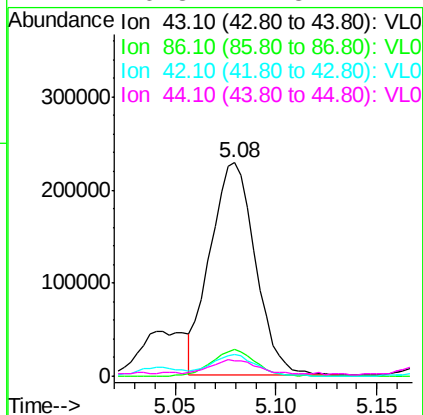
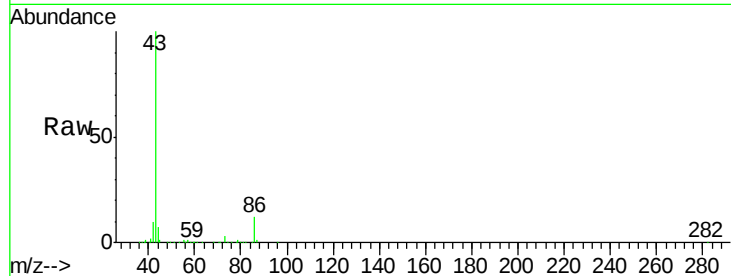
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	354127
Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.7	14.5
42	9.8	7.9	11.9
44	6.3	4.8	7.2

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#24

1,1-Dichloroethane

Concen: 2.045 ppbv

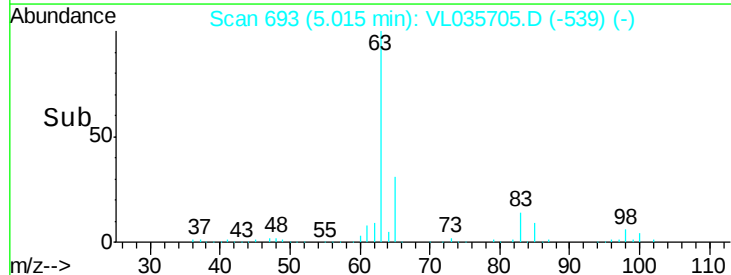
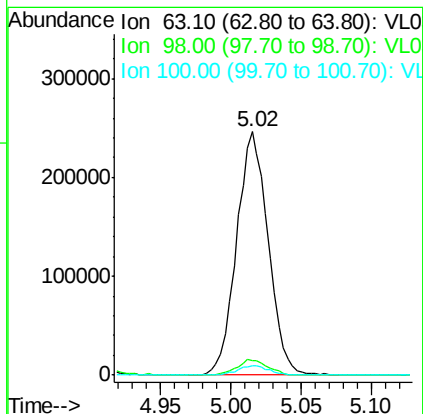
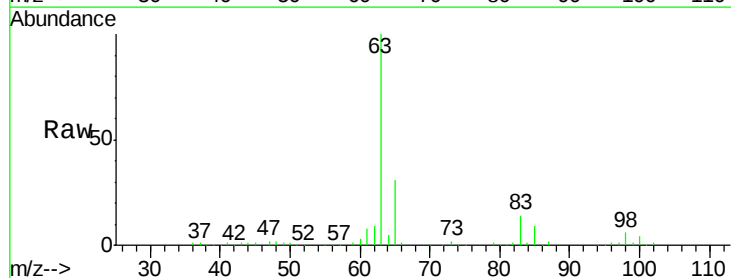
RT: 5.02 min Scan# 693

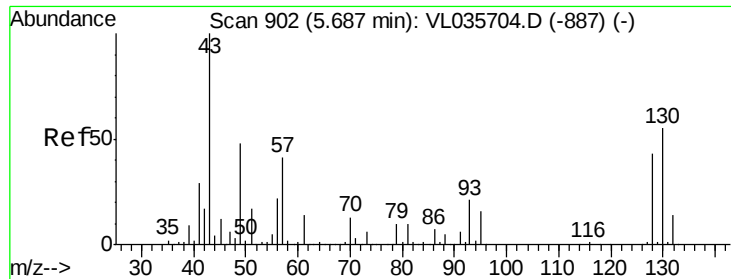
Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion:	63	Resp:	385737
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.7	2.0	5.8





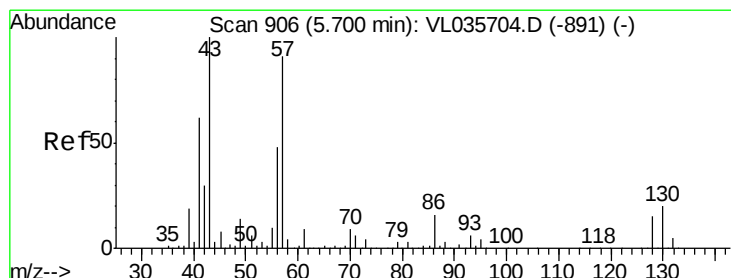
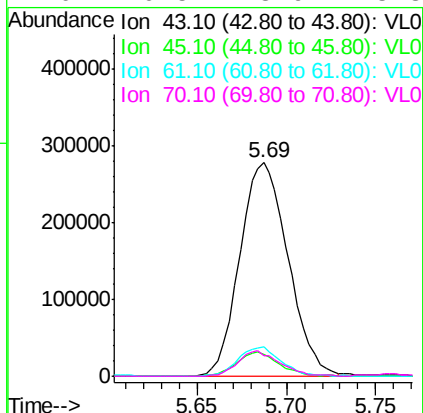
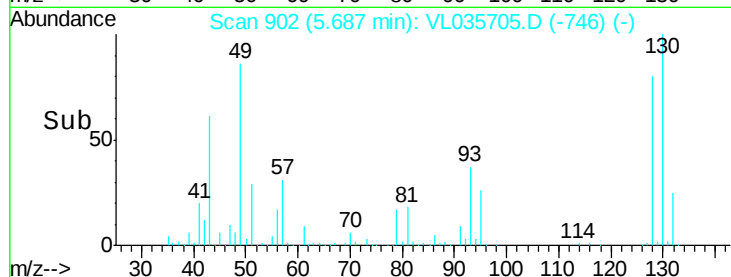
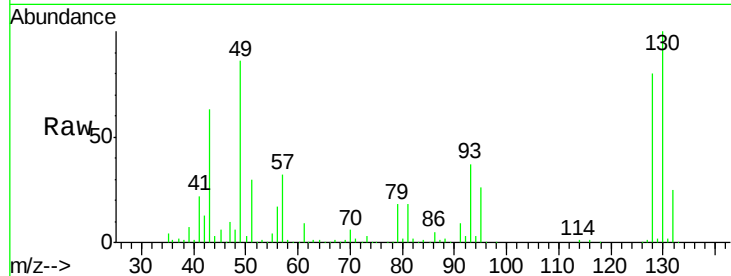
#25
Ethyl Acetate
Concen: 2.060 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	523830
Ion Ratio	Lower	Upper	
43	100		
45	10.3	8.6	12.8
61	12.7	10.4	15.6
70	10.5	8.9	13.3

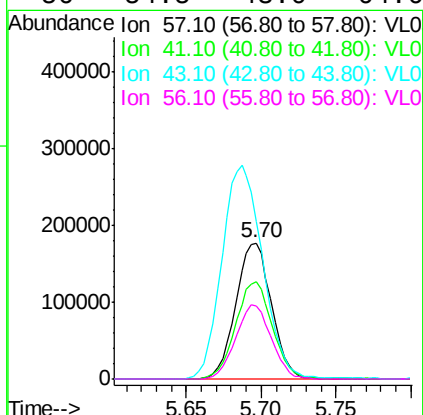
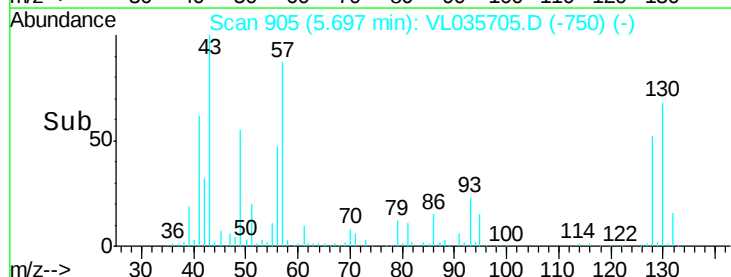
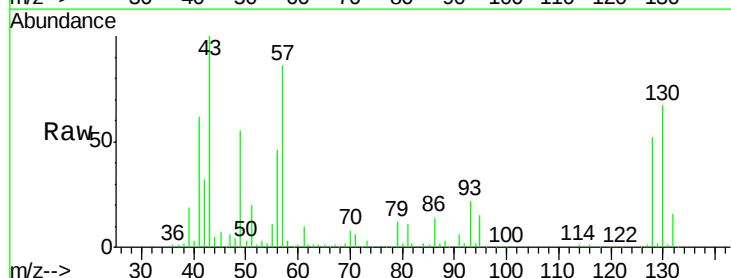
Manual Integrations
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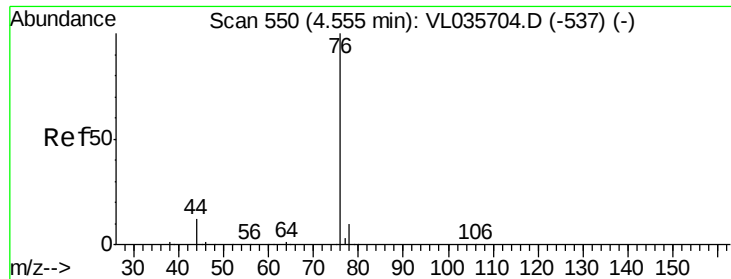
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#26
Hexane
Concen: 2.041 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:	57	Resp:	293407
Ion Ratio	Lower	Upper	
57	100		
41	74.7	57.9	86.9
43	180.3	143.8	215.6
56	54.5	43.0	64.6





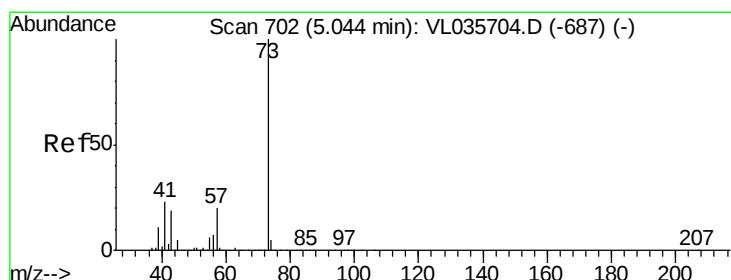
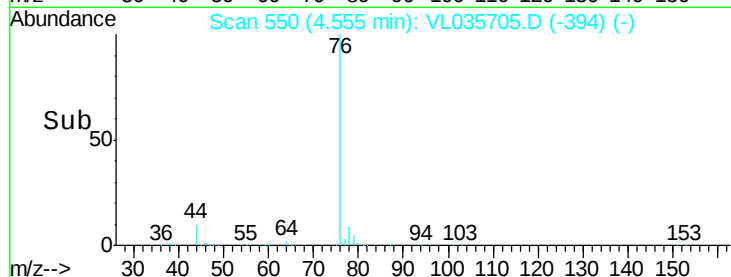
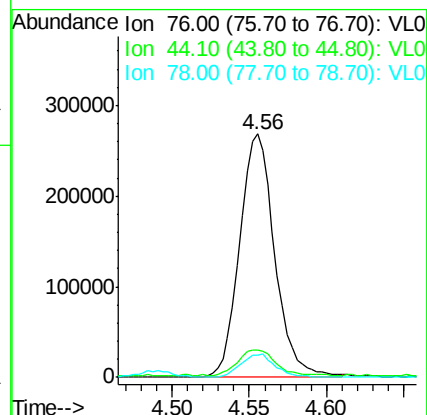
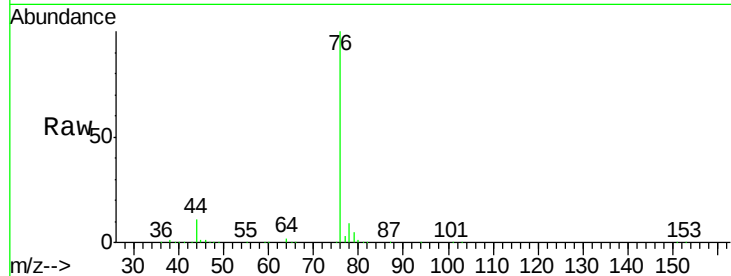
#27
Carbon Disulfide
Concen: 2.057 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	12.0	9.7	14.5
78	10.0	7.8	11.8

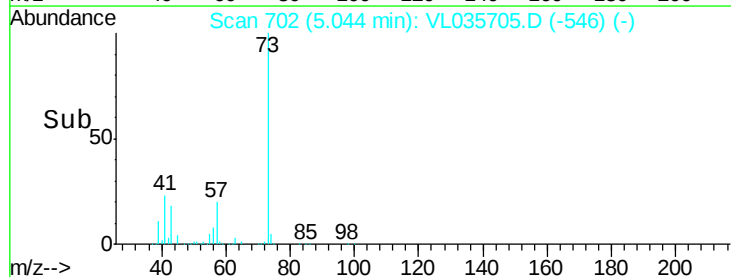
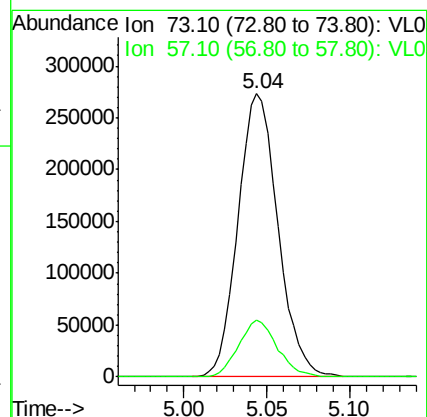
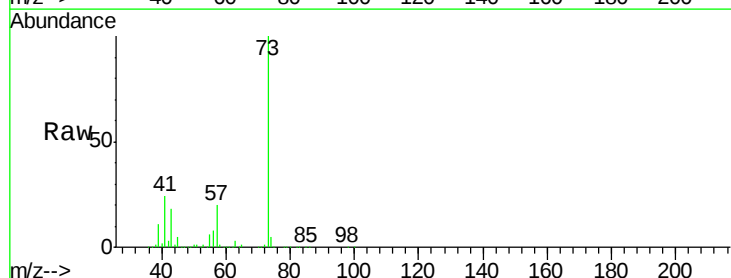
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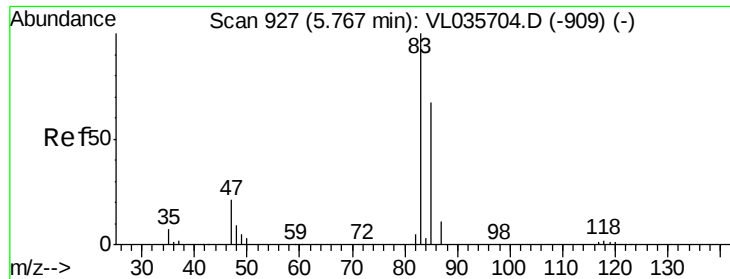
MMDadoda
9/24/2020 1:35:12 PM



#28
Methyl tert-Butyl Ether
Concen: 1.872 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.6	23.4





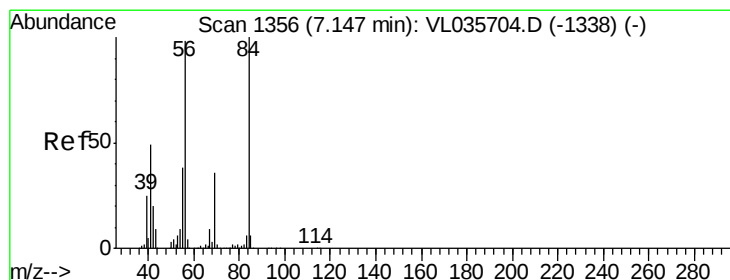
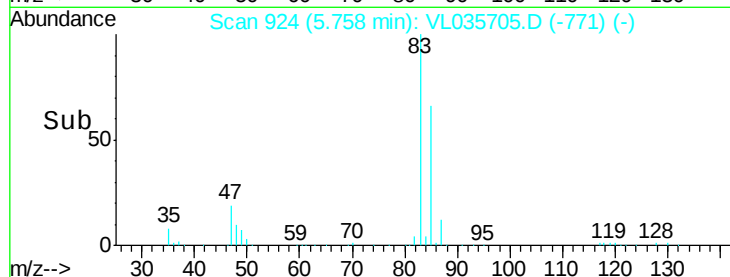
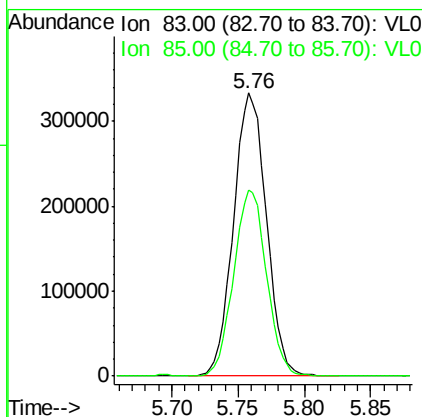
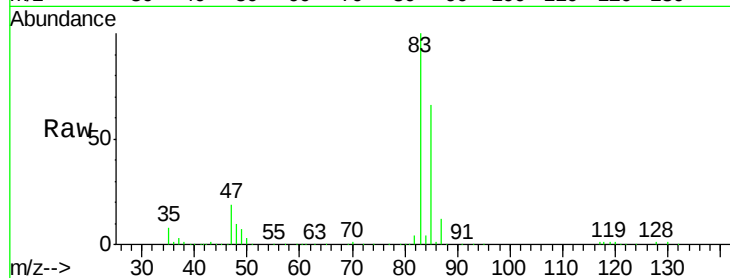
#29
Chloroform
Concen: 1.978 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 83 Resp: 574344
Ion Ratio Lower Upper
83 100
85 65.7 54.0 81.0

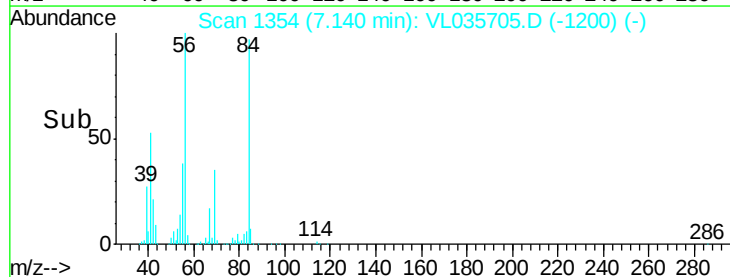
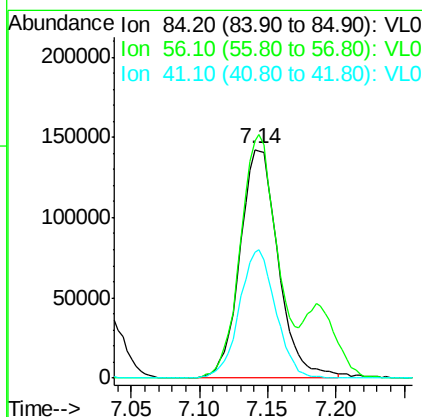
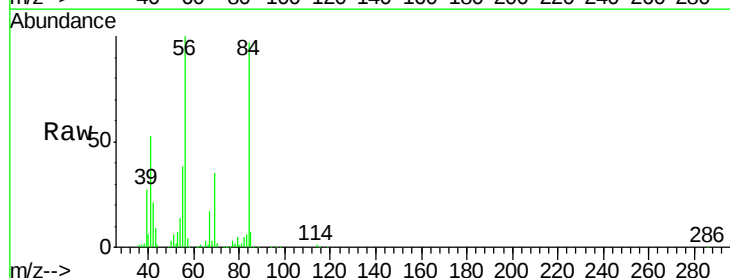
Manual Integrations
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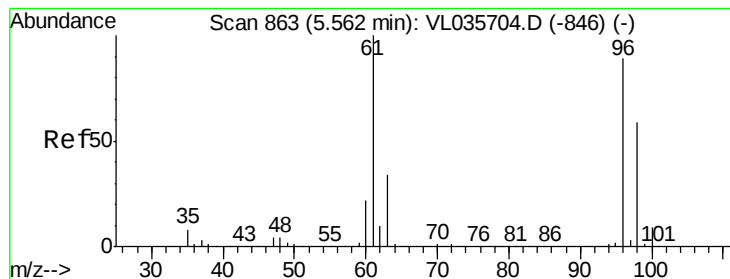
MMDadoda
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#30
Cyclohexane
Concen: 1.834 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 84 Resp: 277810
Ion Ratio Lower Upper
84 100
56 129.5 84.6 127.0#
41 53.4 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 1.874 ppbv

RT: 5.56 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

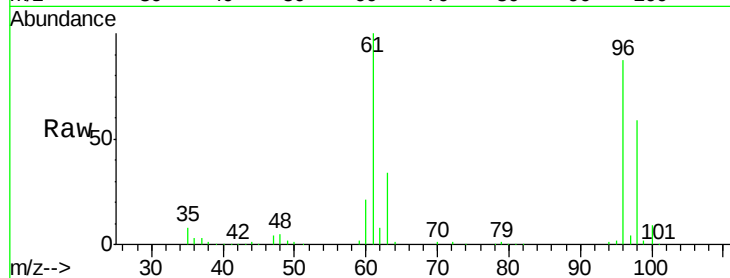
ClientSampleId :

VSTDIC002

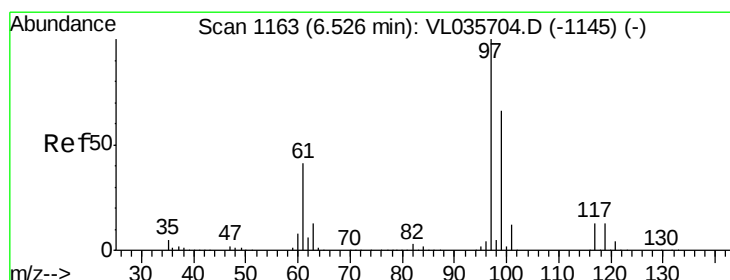
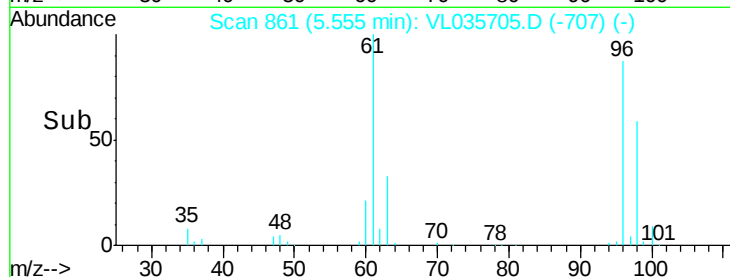
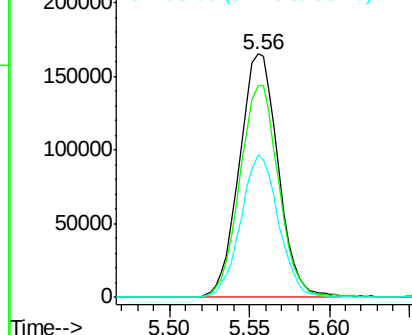
Tot Ion:	61	Resp:	273164
Ion Ratio	Lower	Upper	
61	100		
96	86.7	71.4	107.2
98	58.6	47.4	71.2

Manual Integrations
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.858 ppbv

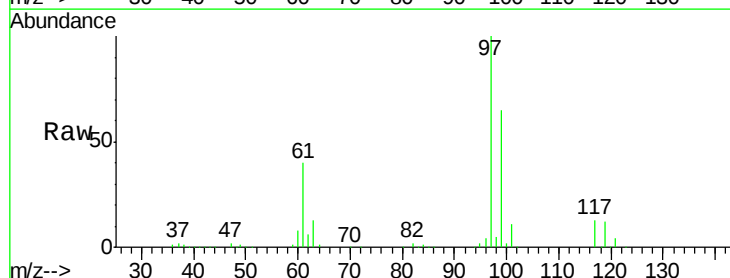
RT: 6.52 min Scan# 1162

Delta R.T. -0.00 min

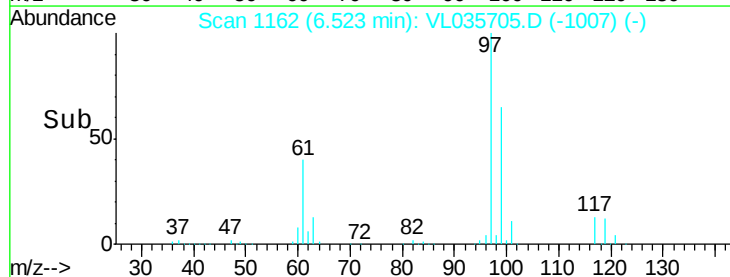
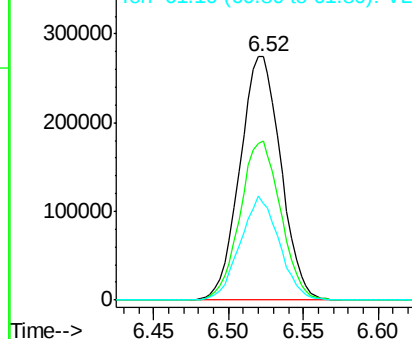
Lab File: VL035705.D

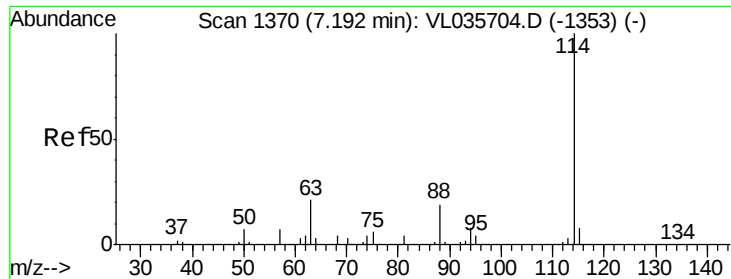
Acq: 23 Sep 2020 4:02

Tgt Ion:	97	Resp:	521794
Ion Ratio	Lower	Upper	
97	100		
99	65.2	52.7	79.1
61	40.8	32.7	49.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





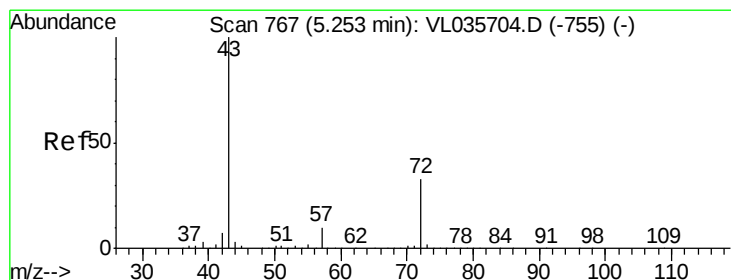
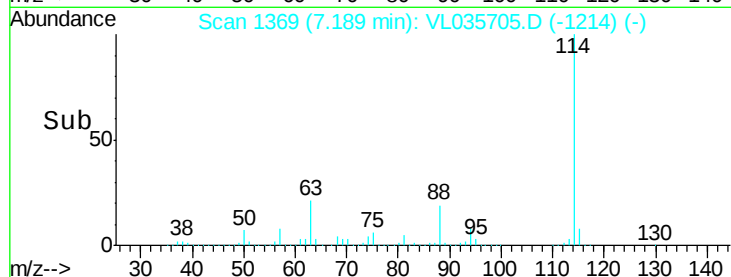
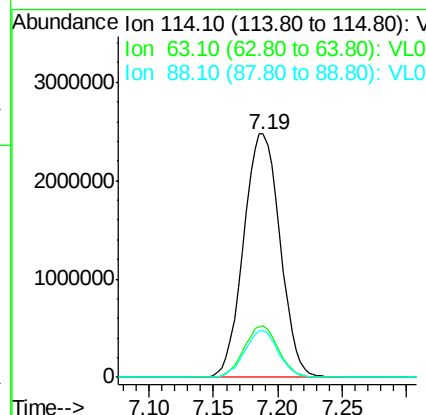
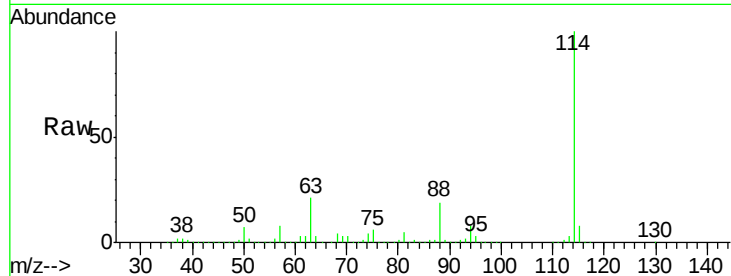
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	17.8	14.1	21.1

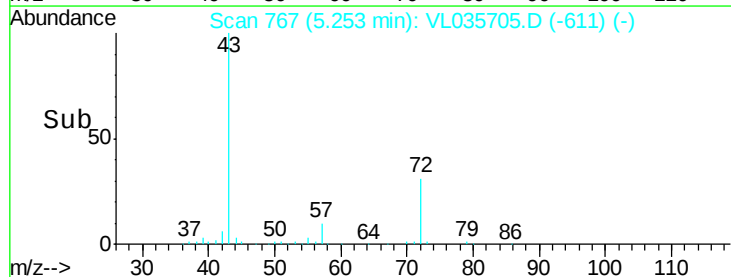
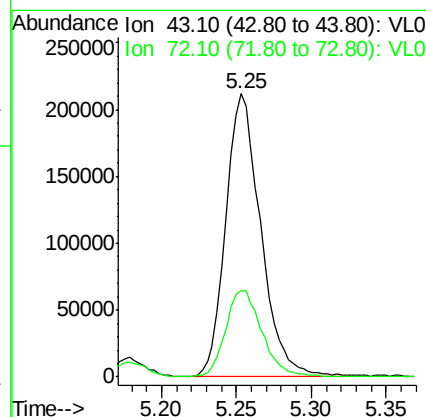
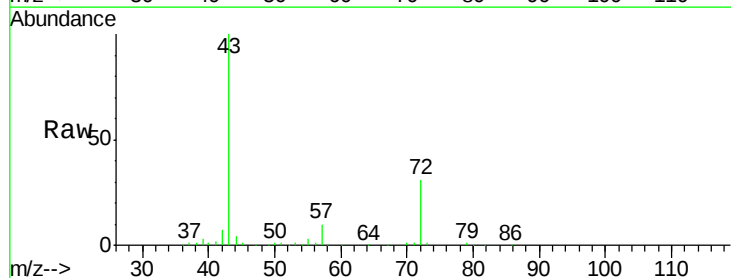
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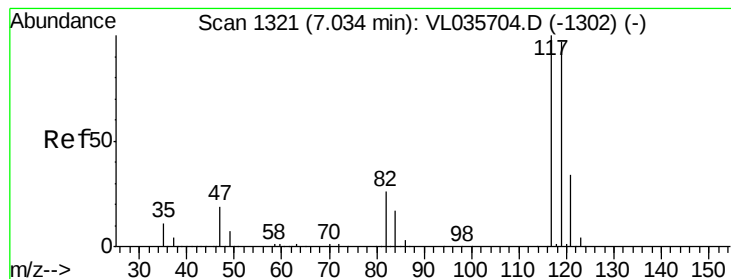
MMDadoda
 9/24/2020 1:35:12 PM



#34
 2-Butanone
 Concen: 2.320 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.7	26.1	39.1





#35

Carbon Tetrachloride

Concen: 2.181 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

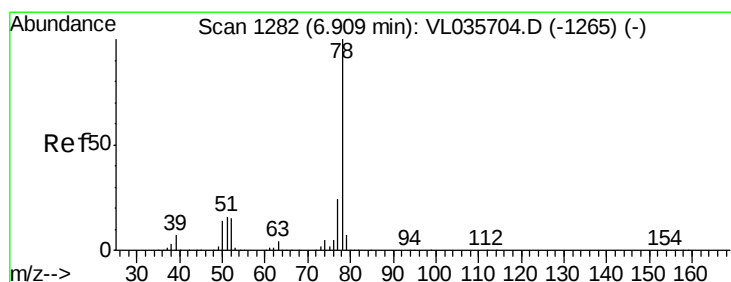
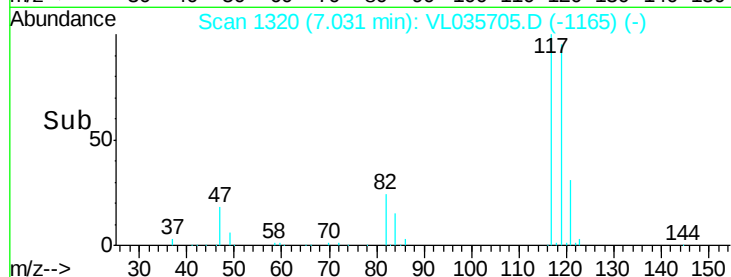
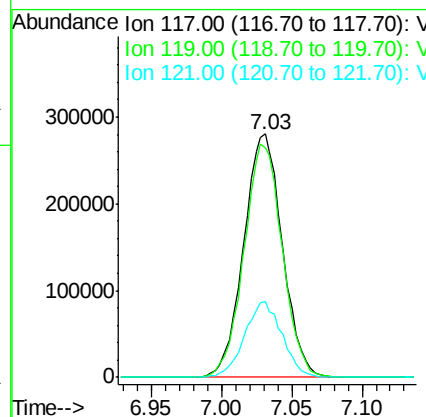
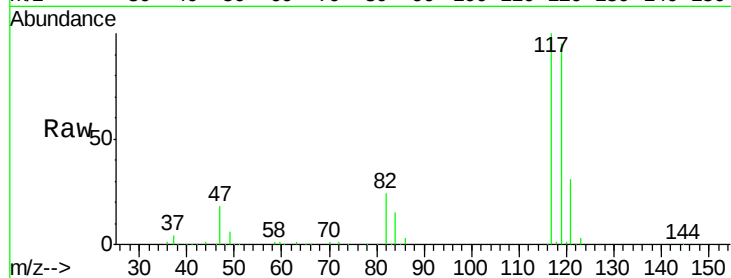
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	537267
Ion Ratio	Lower	Upper	
117	100		
119	94.5	77.7	116.5
121	31.3	26.9	40.3

Manual Integrations
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#36

Benzene

Concen: 2.128 ppbv

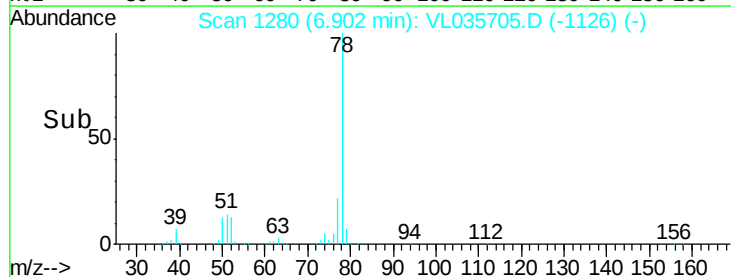
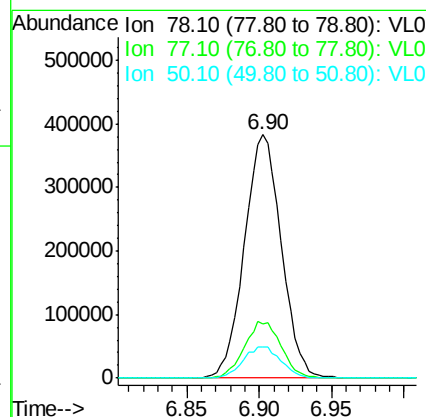
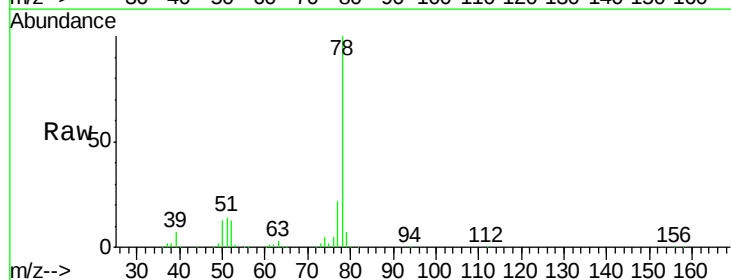
RT: 6.90 min Scan# 1280

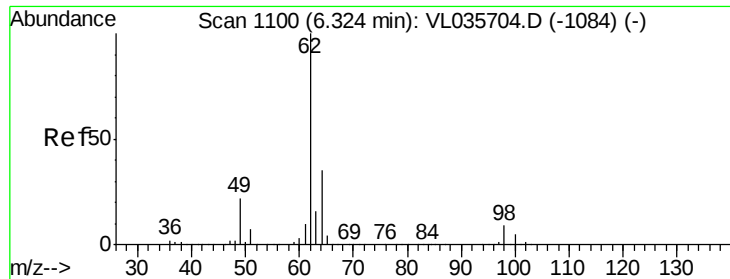
Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion:	78	Resp:	678417
Ion Ratio	Lower	Upper	
78	100		
77	22.3	19.3	28.9
50	13.0	11.6	17.4





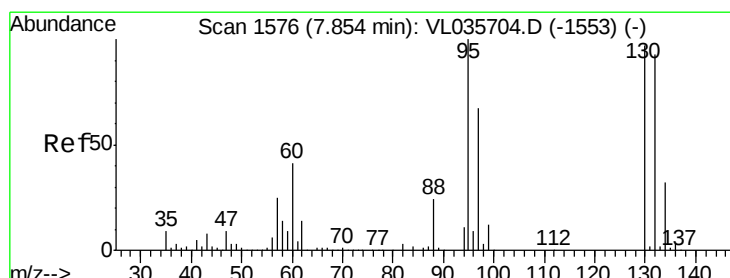
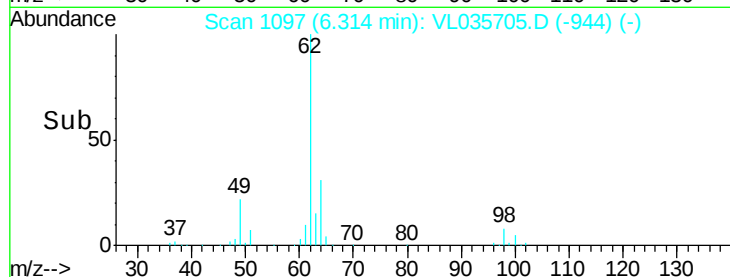
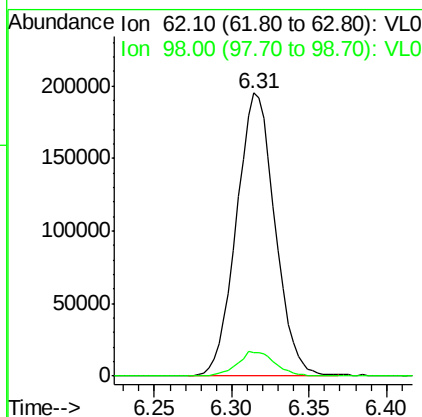
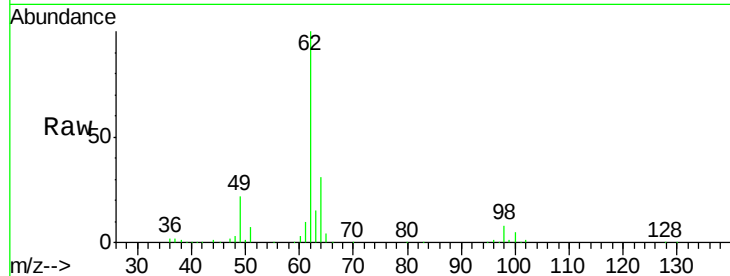
#37
 1,2-Dichloroethane
 Concen: 2.203 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	338206		
98	8.5	6.9	10.3	

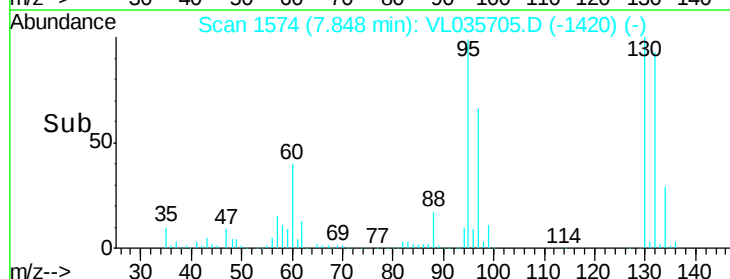
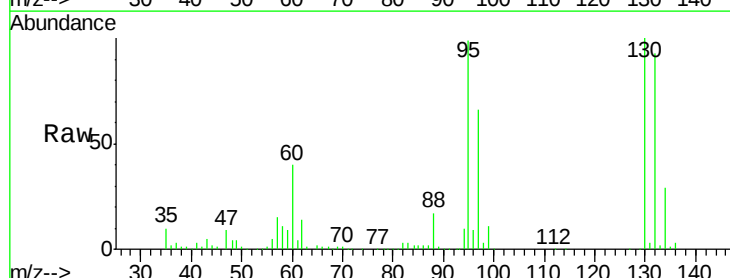
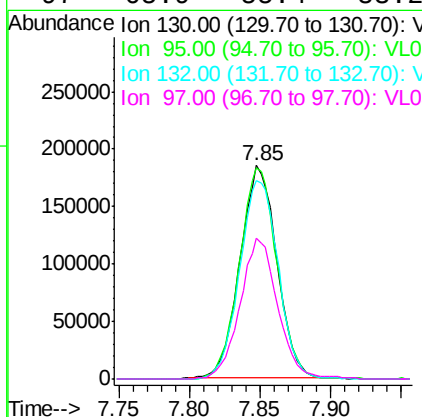
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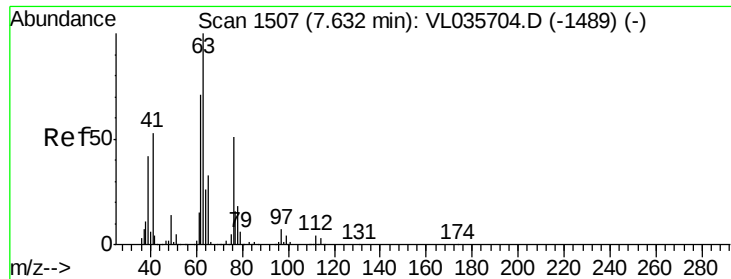
MMDadoda
 9/24/2020 1:35:12 PM



#38
 Trichloroethene
 Concen: 1.854 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	339460		
95	99.1	82.4	123.6	
132	93.3	76.8	115.2	
97	65.9	55.4	83.2	





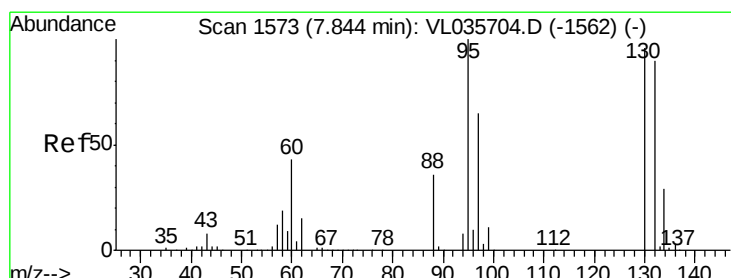
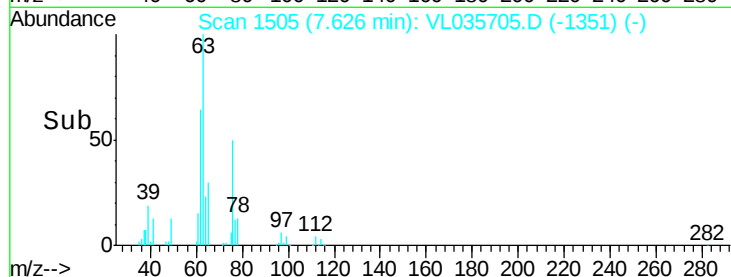
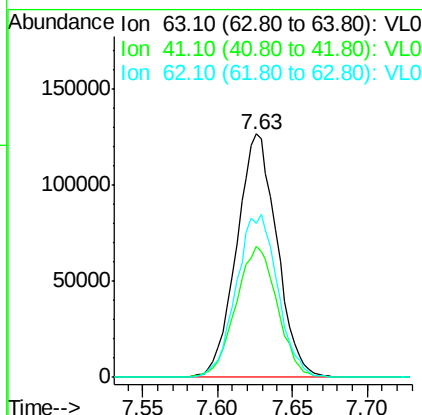
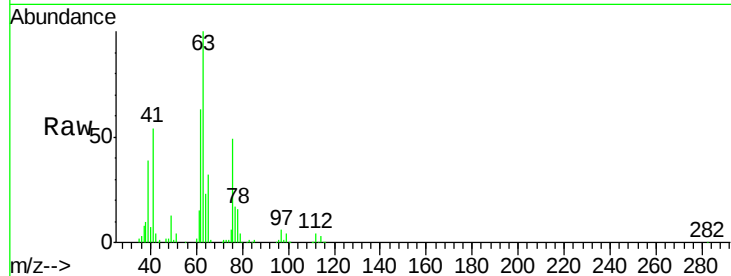
#39
 1,2-Dichloropropane
 Concen: 2.166 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	53.5	42.6	63.8
62	63.6	56.5	84.7

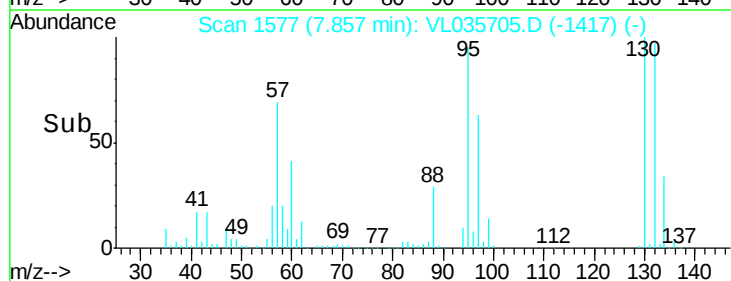
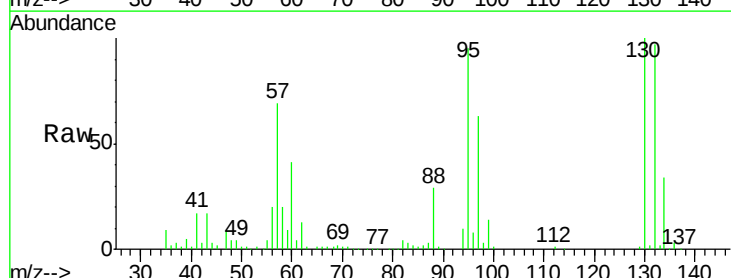
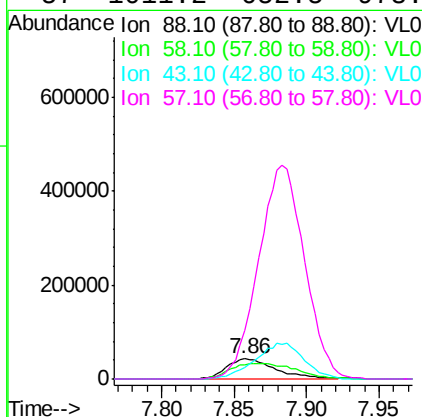
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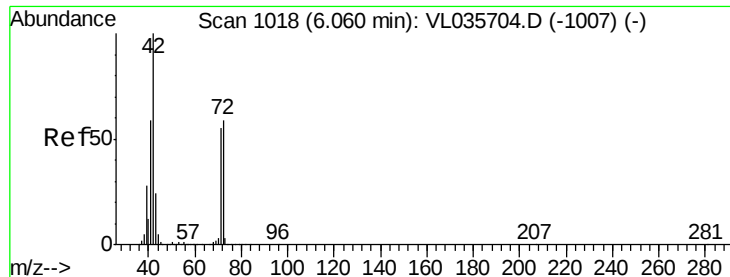
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#40
 1,4-Dioxane
 Concen: 1.883 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	107.2	76.2	114.4
43	181.3	123.4	185.2
57	1011.2	652.5	978.7#





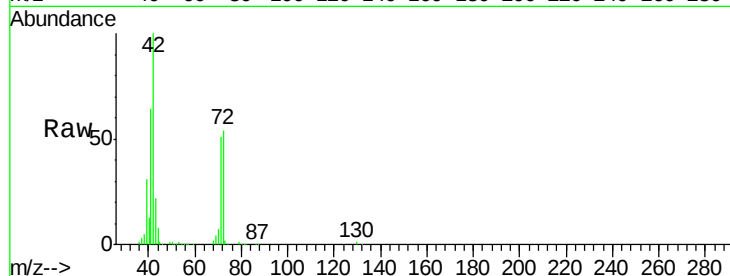
#41
Tetrahydrofuran
Concen: 2.183 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

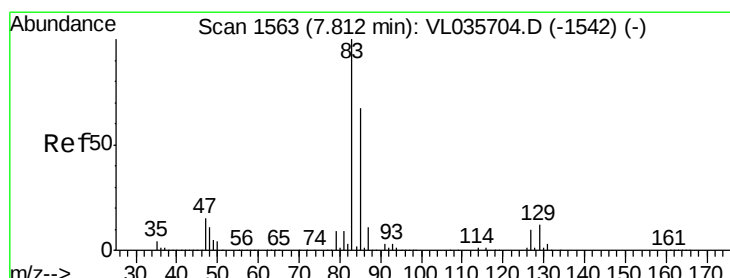
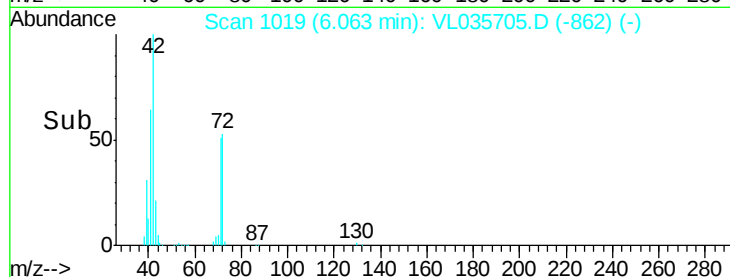
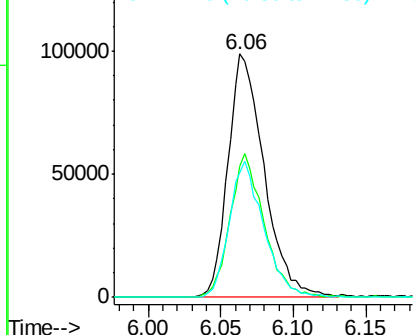
Tot Ion	Ratio	Lower	Upper
42	100		
72	55.7	46.2	69.4
71	53.4	44.2	66.4

Manual Integrations
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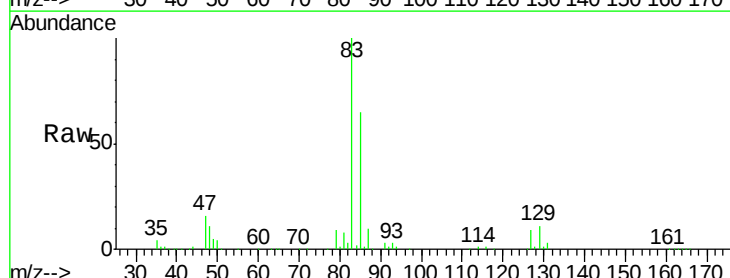


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

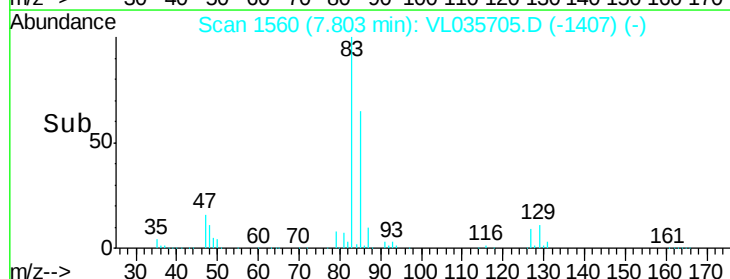
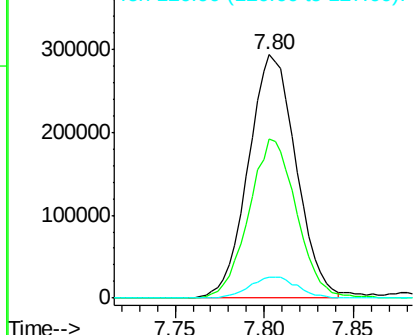


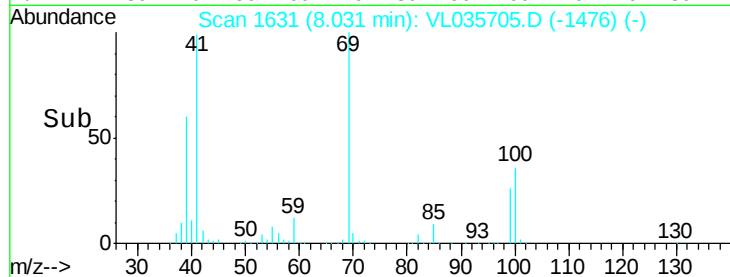
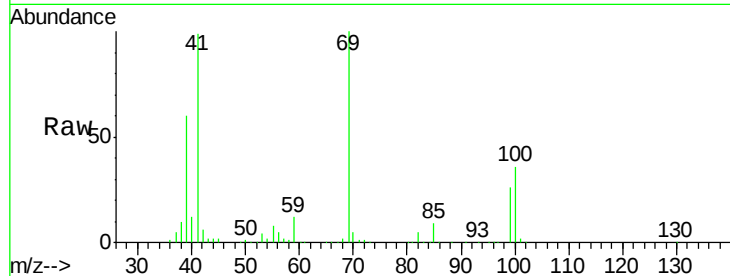
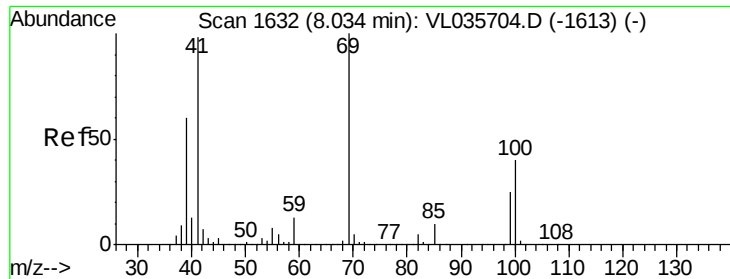
#42
Bromodichloromethane
Concen: 2.210 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
127	8.7	7.8	11.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





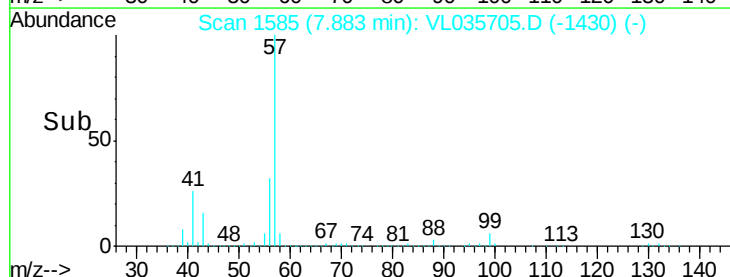
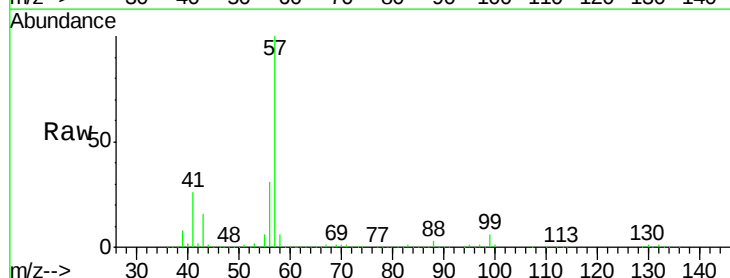
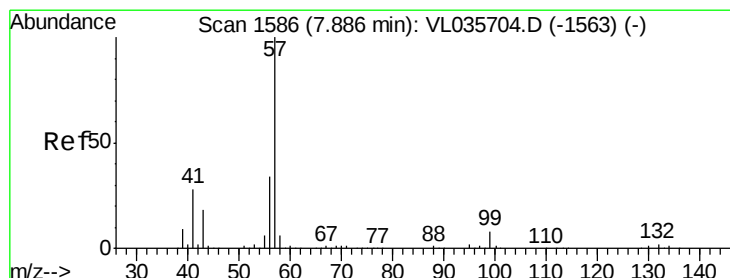
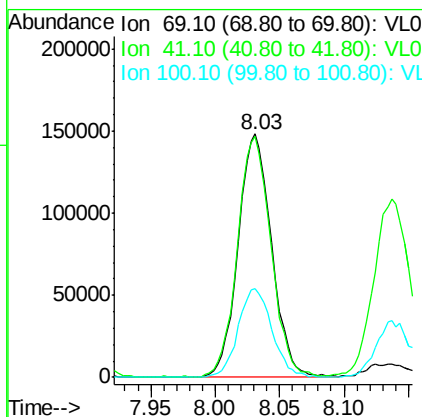
#43
Methvl Methacrilate
Concen: 2.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tot Ion	Ratio	Resp	Lower	Upper
69	100	268399		
41	98.8		79.8	119.6
100	37.0		30.6	46.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

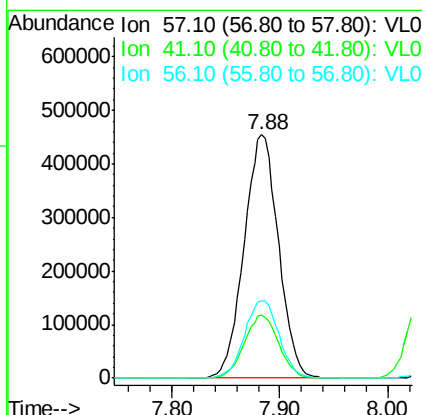
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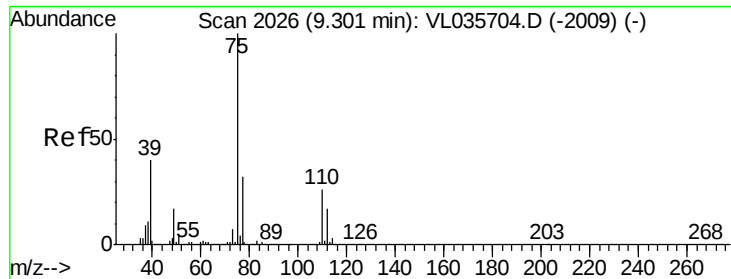
MMDadoda
9/24/2020 1:35:12 PM



#44
2,2,4-Trimethylpentane
Concen: 2.366 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	1005723		
41	26.0		21.2	31.8
56	32.0		25.8	38.8





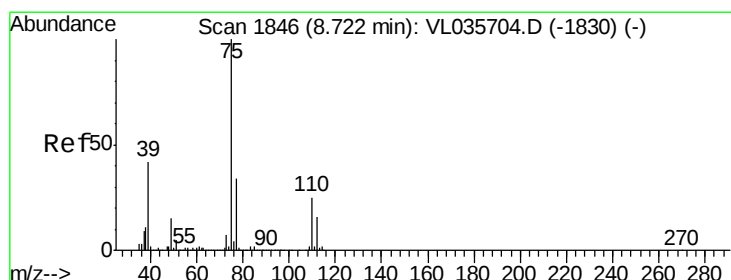
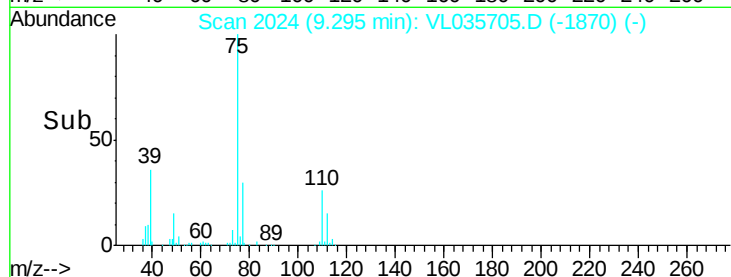
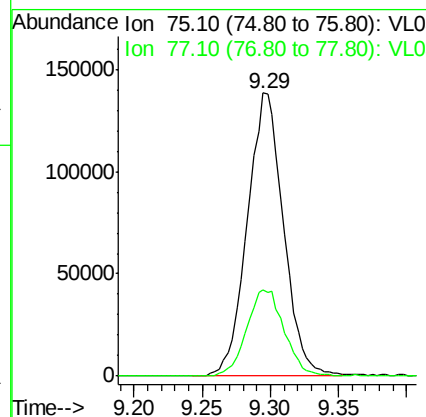
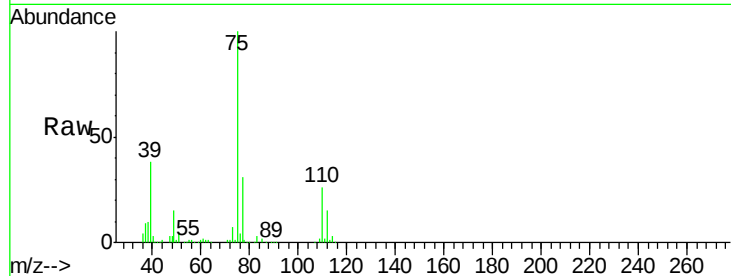
#45
 t-1,3-Dichloropropene
 Concen: 2.031 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.9	38.9

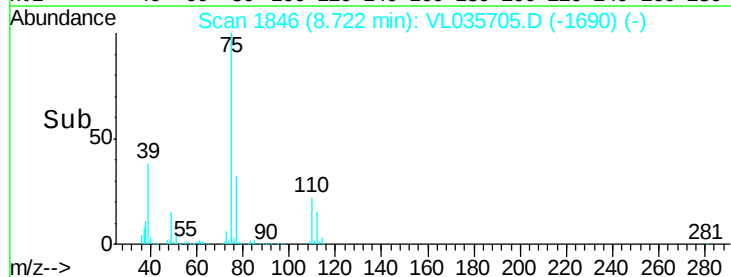
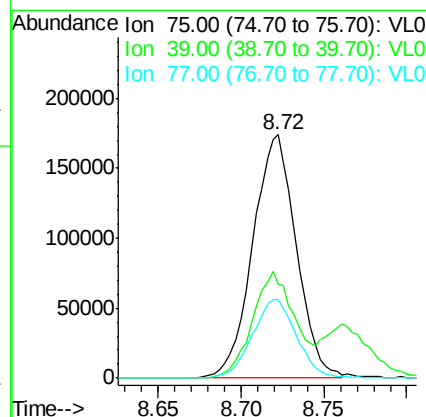
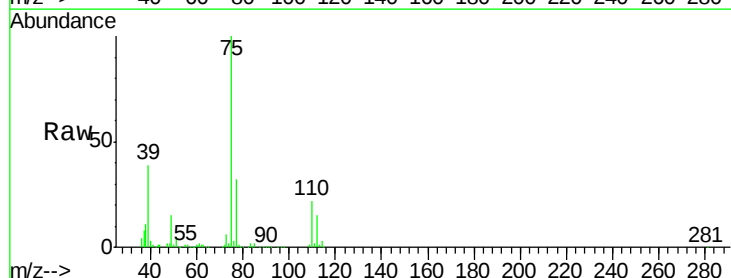
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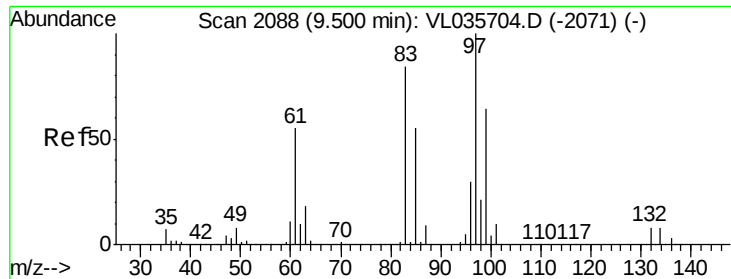
MMDadoda
 9/24/2020 1:35:12 PM



#46
 cis-1,3-Dichloropropene
 Concen: 2.033 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
75	100		
39	38.4	33.9	50.9
77	32.2	27.4	41.0





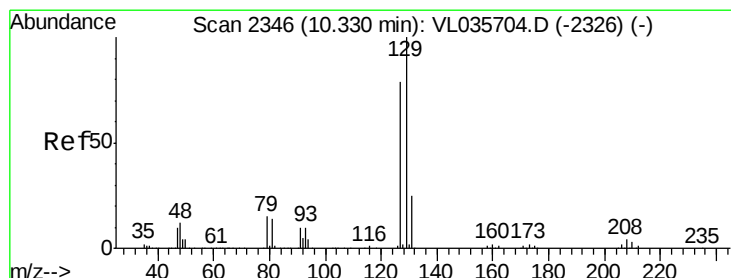
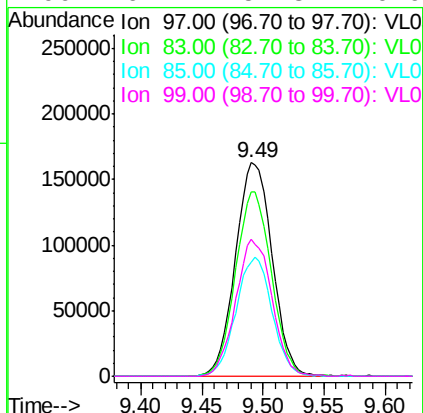
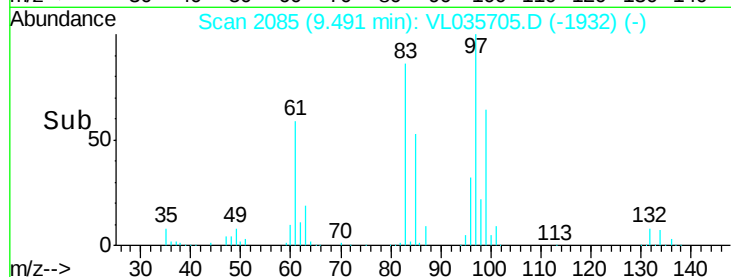
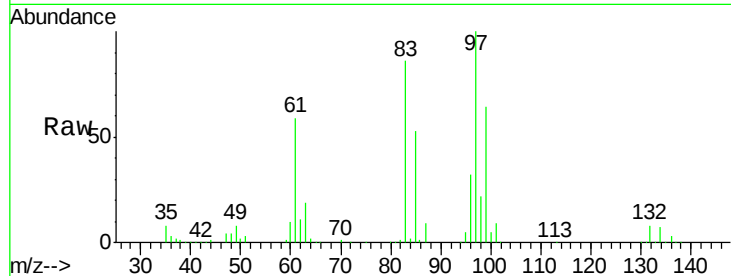
#47
 1,1,2-Trichloroethane
 Concen: 2.135 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	97	Resp:	339021
Ion Ratio	Lower	Upper	
97	100		
83	86.2	67.1	100.7
85	53.5	43.9	65.9
99	64.4	51.3	76.9

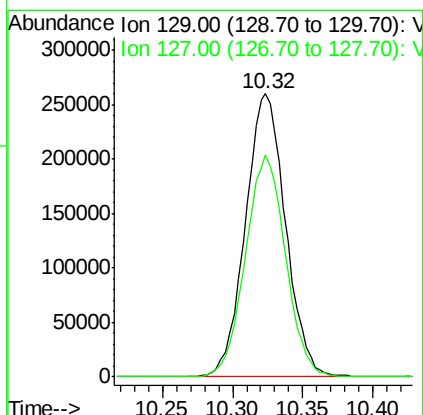
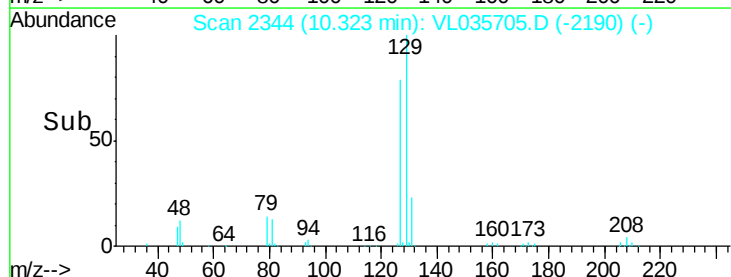
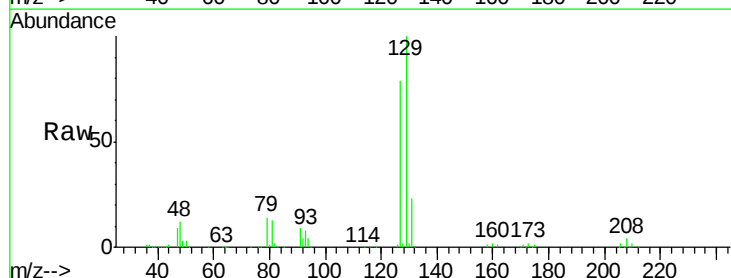
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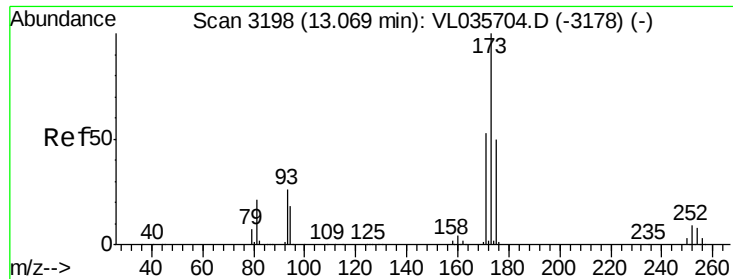
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#48
 Dibromochloromethane
 Concen: 2.092 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion:	129	Resp:	518420
Ion Ratio	Lower	Upper	
129	100		
127	78.4	39.4	118.1





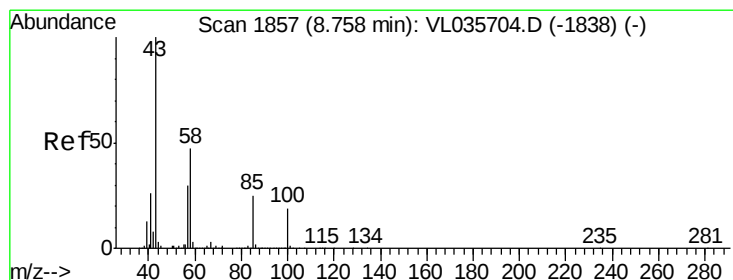
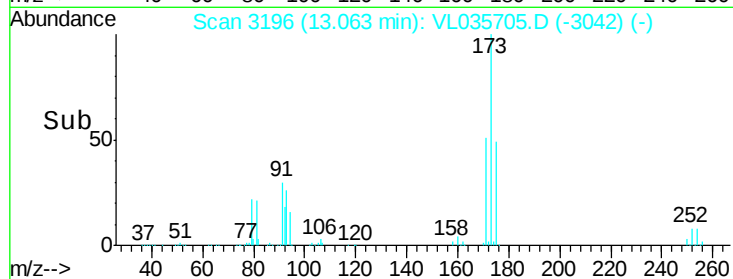
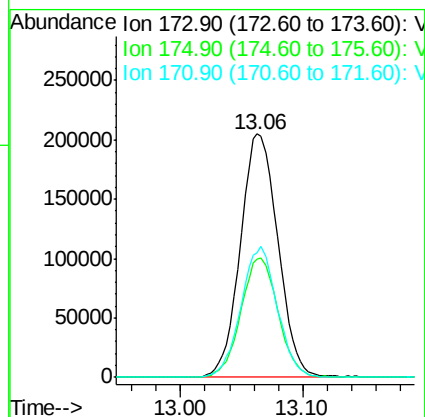
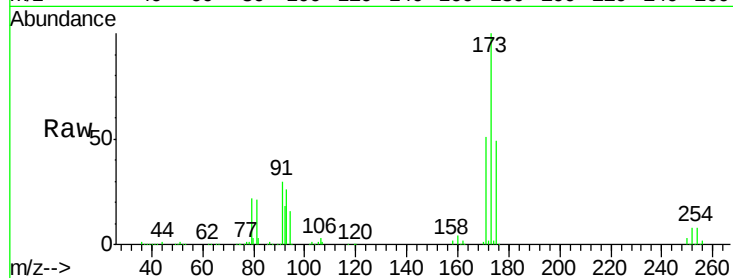
#49
Bromoform
Concen: 1.974 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.8	59.6
171	51.9	42.8	64.2

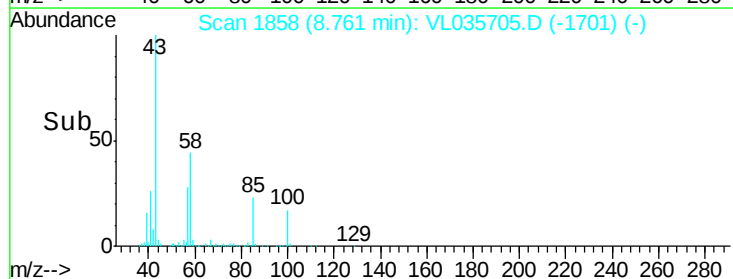
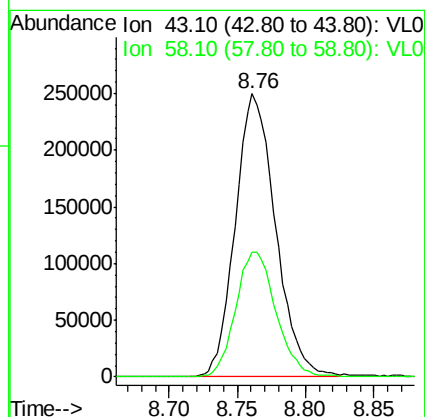
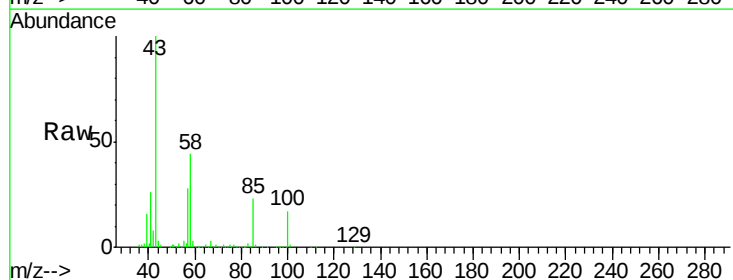
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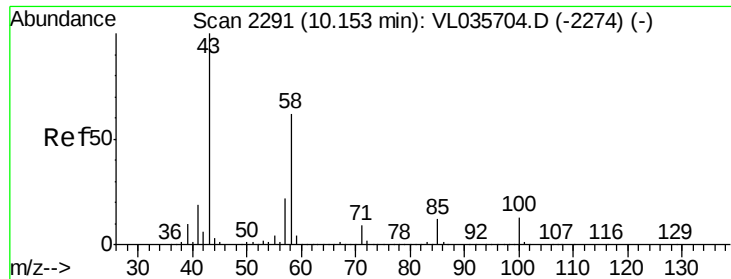
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#50
4-Methyl-2-Pentanone
Concen: 2.377 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.4	36.6	54.8





#51

2-Hexanone

Concen: 2.393 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 421692

Ion Ratio Lower Upper

43 100

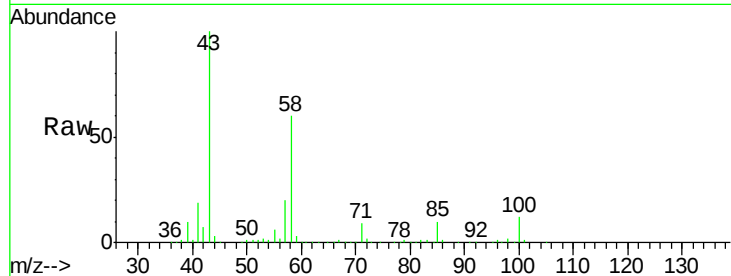
58 58.0 48.7 73.1

98 1.7 0.7 1.1#

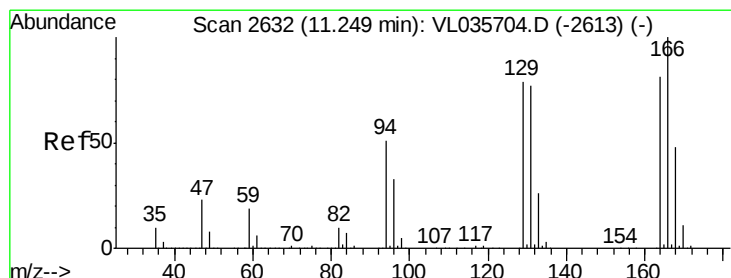
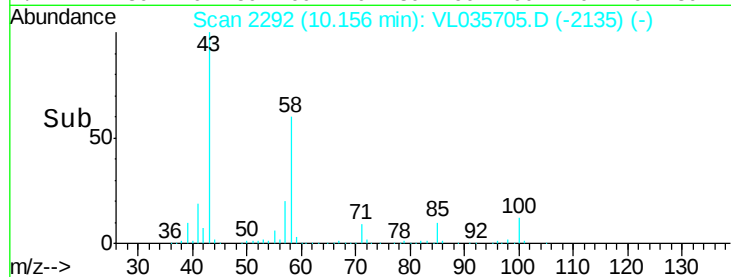
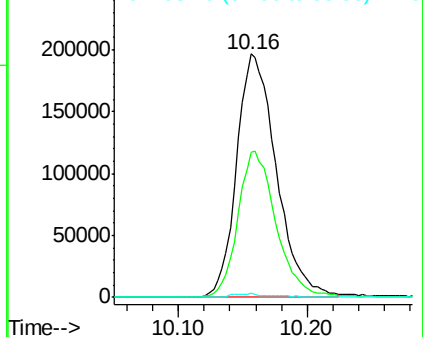
Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.740 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion: 164 Resp: 315873

Ion Ratio Lower Upper

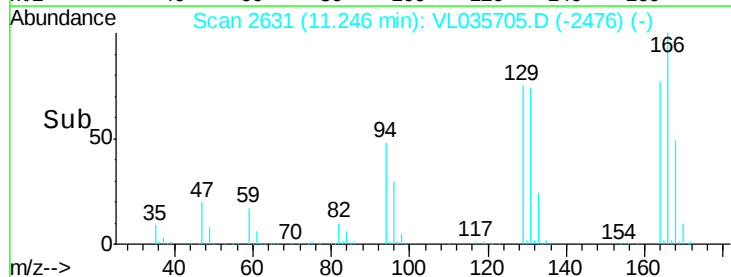
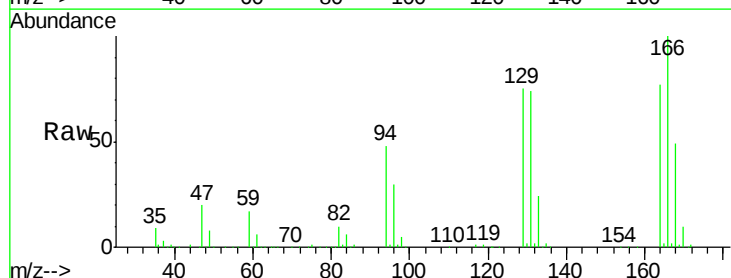
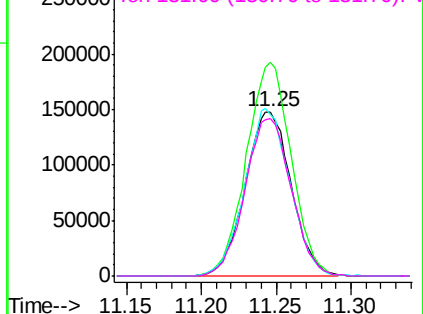
164 100

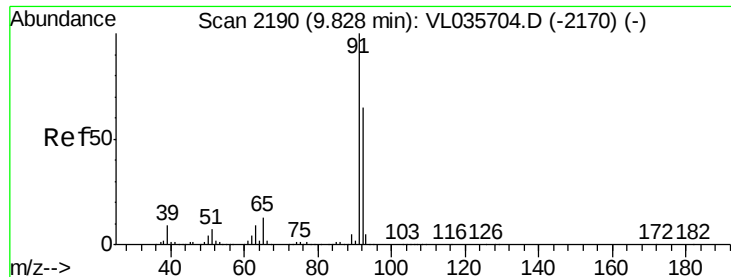
166 129.9 98.7 148.1

129 97.8 78.4 117.6

131 96.1 76.2 114.2

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: 2.059 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 822863

Ion Ratio Lower Upper

91 100

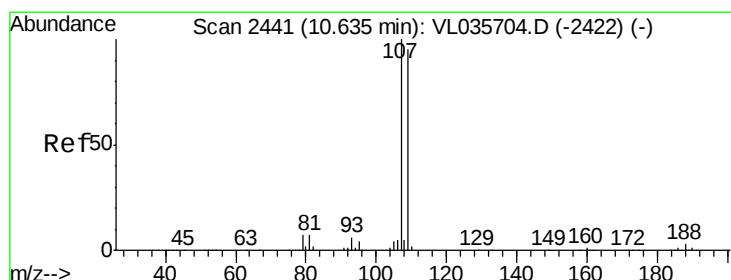
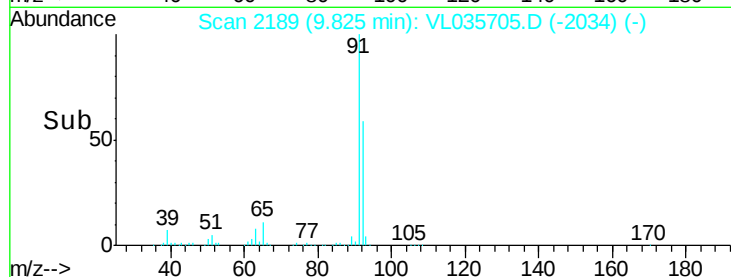
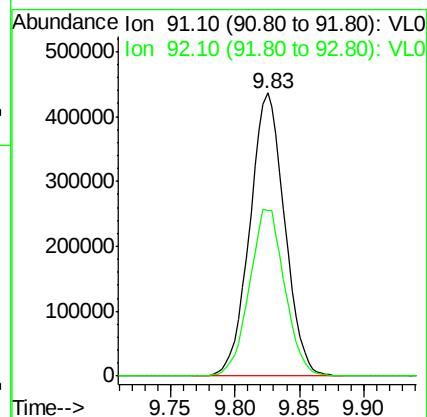
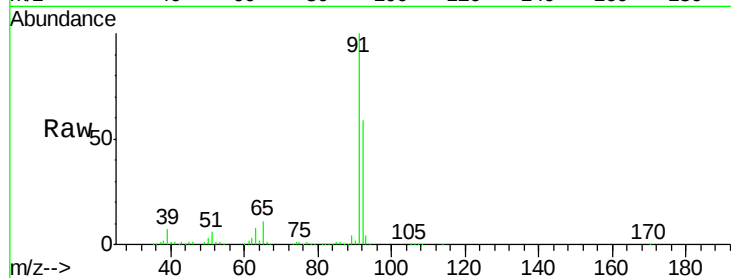
92 59.7 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 2.063 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL035705.D

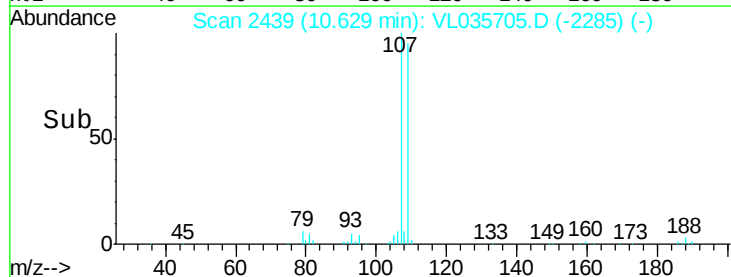
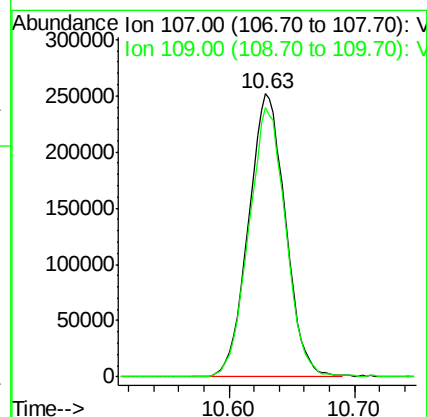
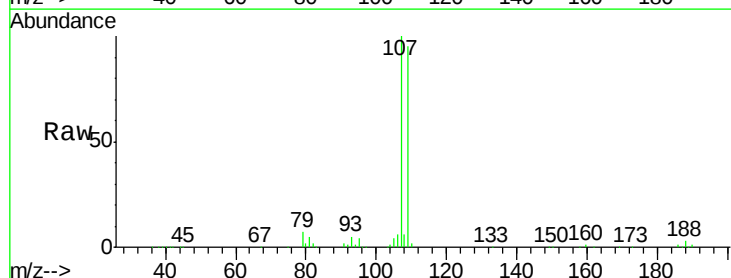
Acq: 23 Sep 2020 4:02

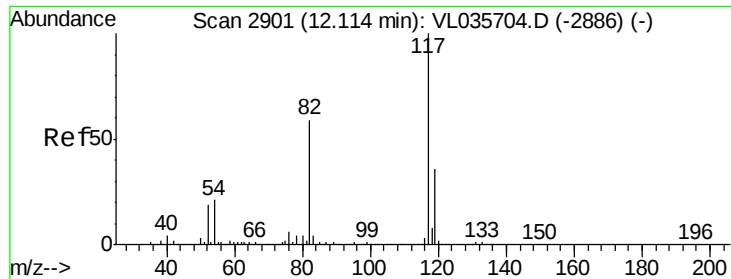
Tgt Ion: 107 Resp: 515469

Ion Ratio Lower Upper

107 100

109 95.2 76.0 114.0





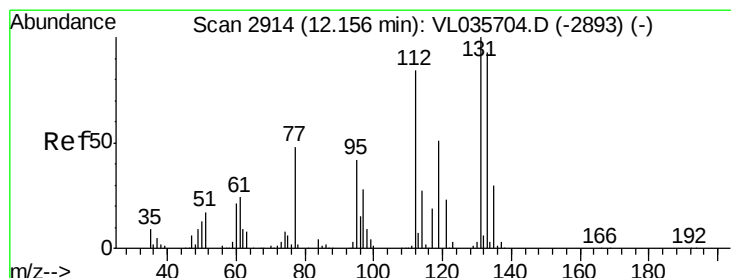
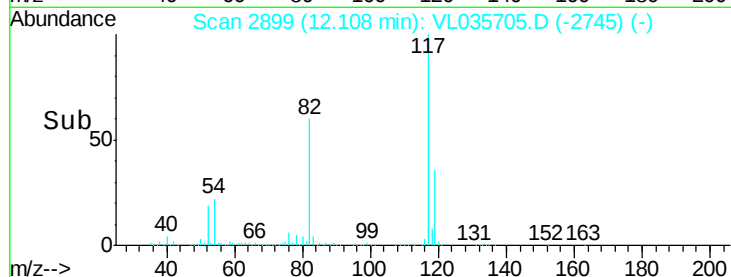
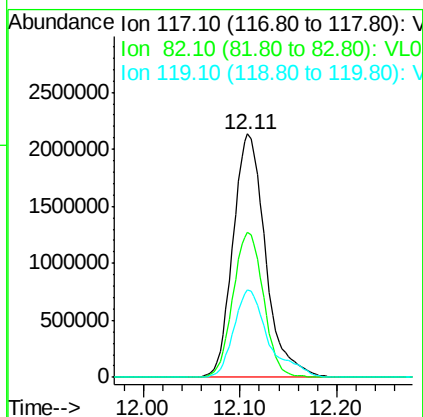
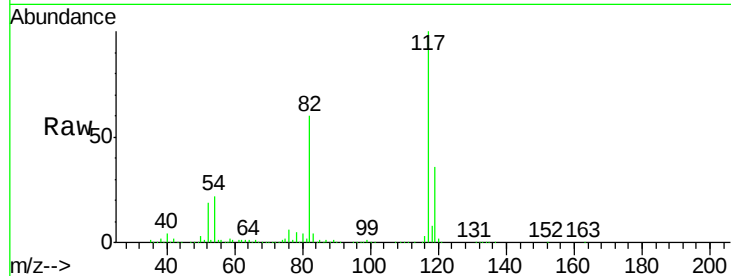
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 4984225
Ion Ratio Lower Upper
117 100
82 56.2 46.1 69.1
119 38.4 28.0 42.0

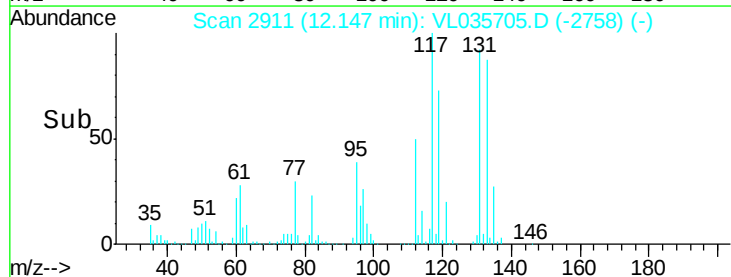
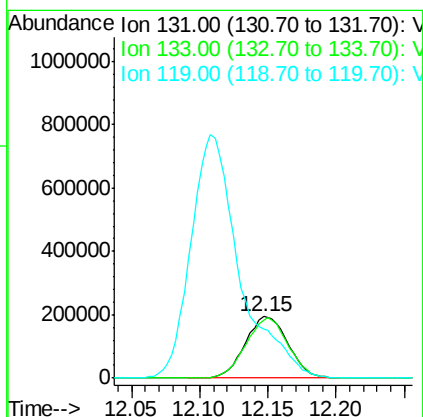
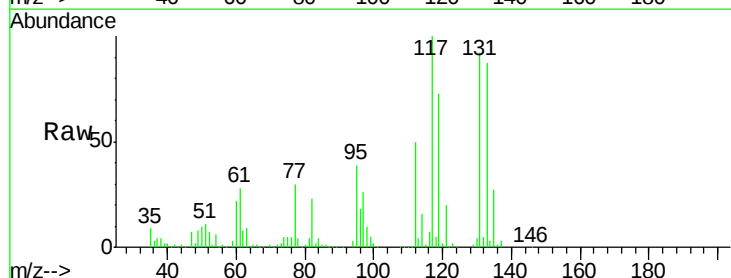
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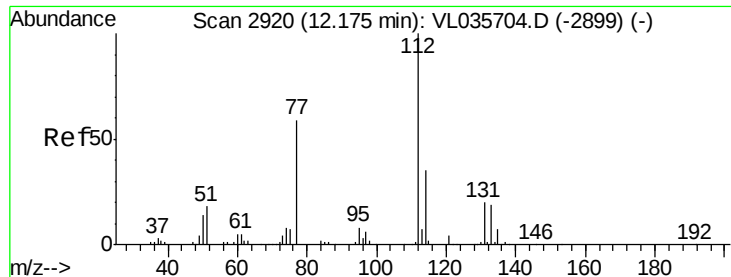
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.083 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:131 Resp: 426439
Ion Ratio Lower Upper
131 100
133 96.4 76.2 114.4
119 449.5 52.4 78.6#





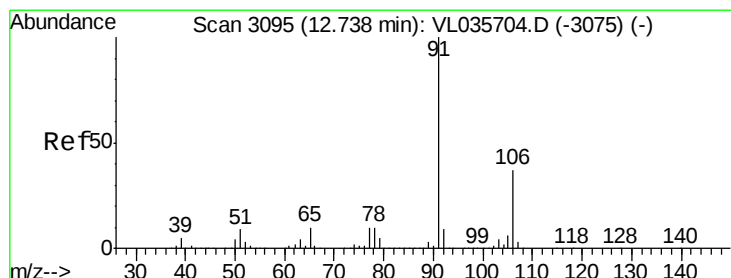
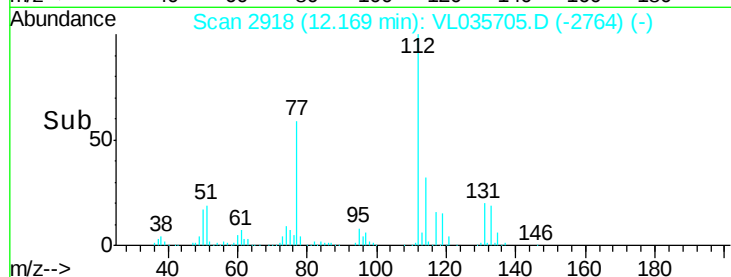
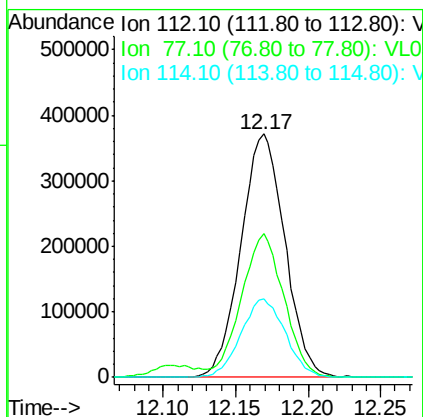
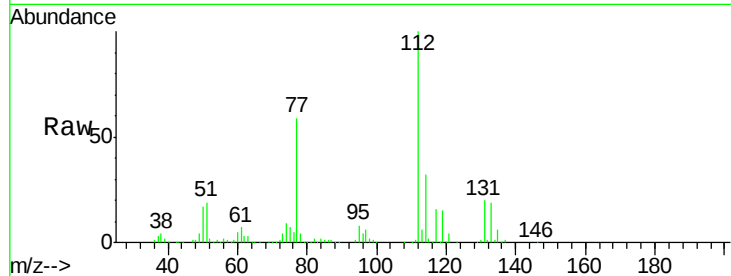
#57
Chlorobenzene
Concen: 2.102 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	58.6	48.2	72.2
114	32.3	31.9	39.1

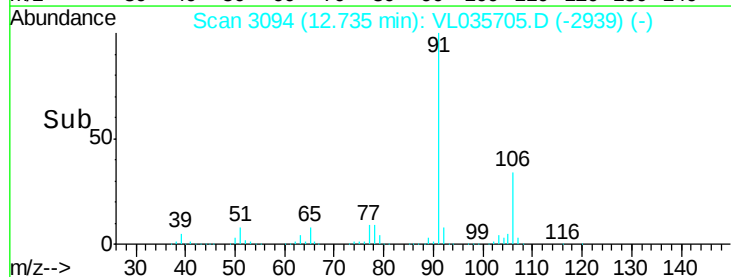
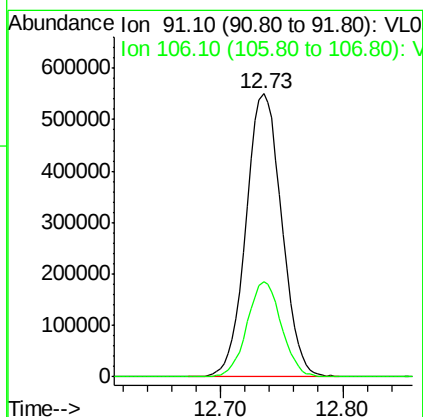
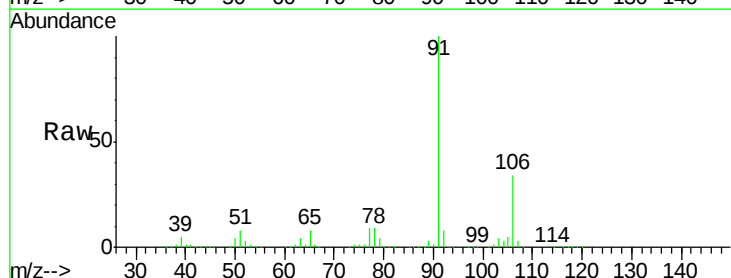
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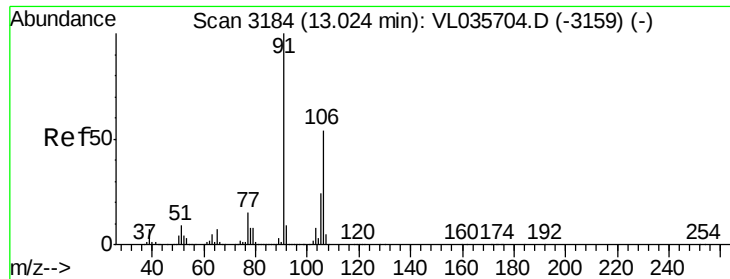
MMDadoda
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#58
Ethyl Benzene
Concen: 2.120 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.7	29.7	44.5





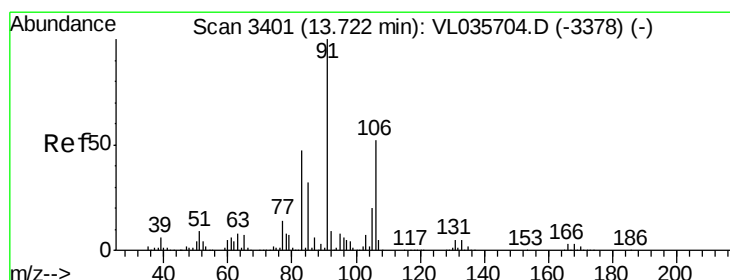
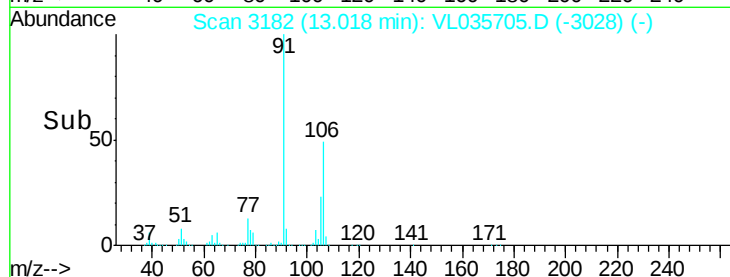
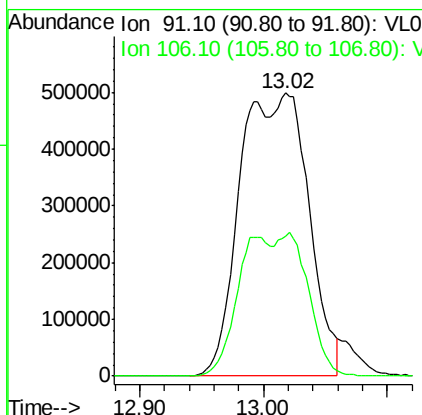
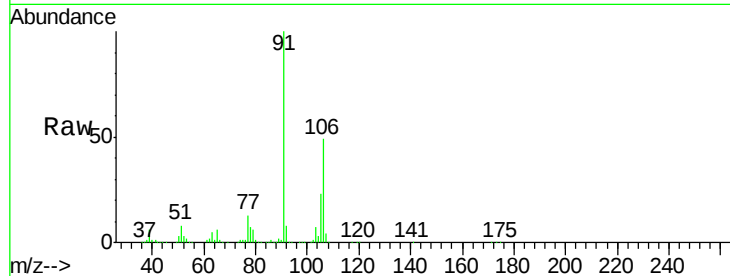
#59
m/p-Xylene
Concen: 4.376 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1926317
Ion Ratio Lower Upper
91 100
106 49.5 41.4 62.0

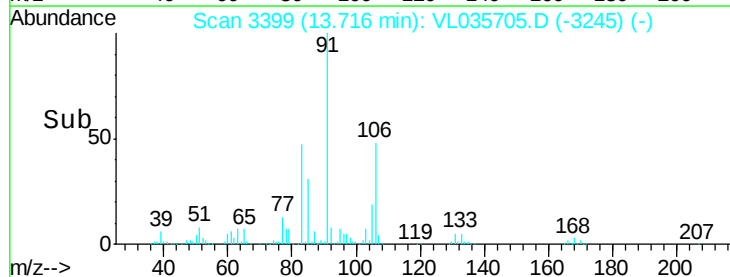
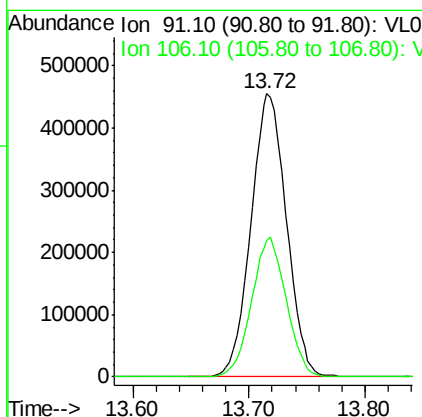
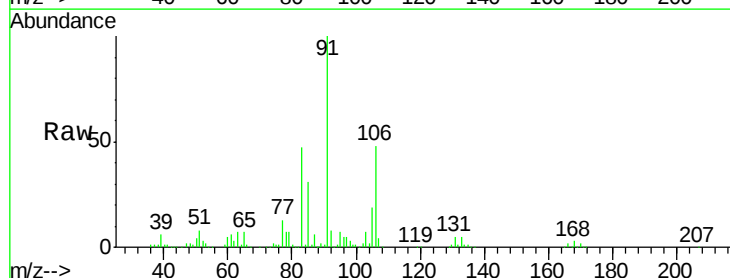
Manual Integrations
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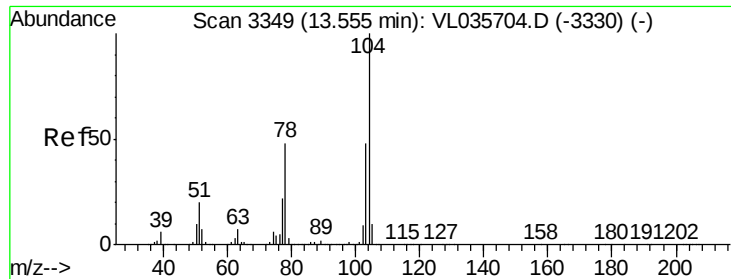
MMDadoda
9/24/2020 1:35:12 PM



#60
o-Xylene
Concen: 2.185 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 91 Resp: 967457
Ion Ratio Lower Upper
91 100
106 48.3 25.0 75.0





#61

Stvrene

Concen: 1.990 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

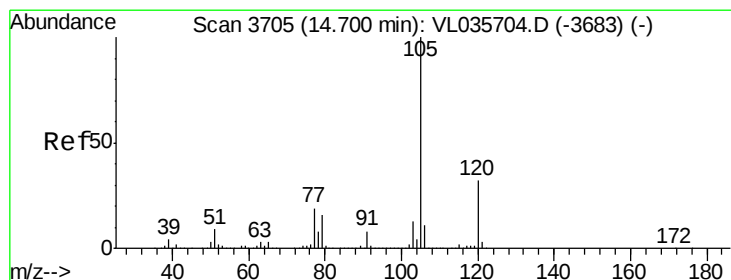
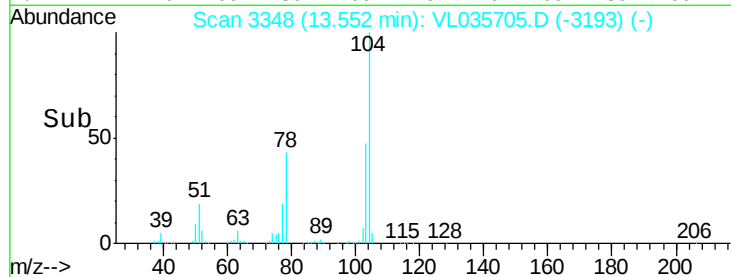
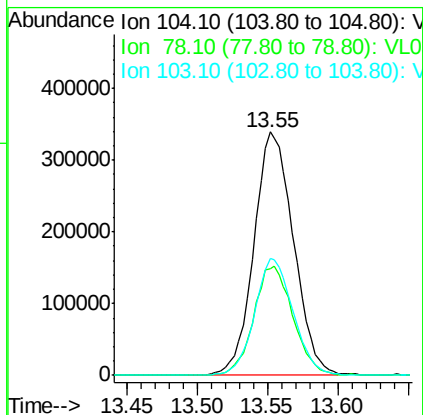
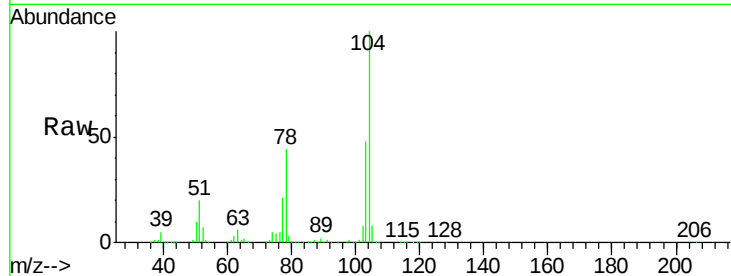
ClientSampleId :

VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
104	100	665245		
78	44.8		37.2	55.8
103	46.9		38.2	57.2

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MMDadoda
9/24/2020 1:35:12 PM



#62

Isopropylbenzene

Concen: 2.149 ppbv

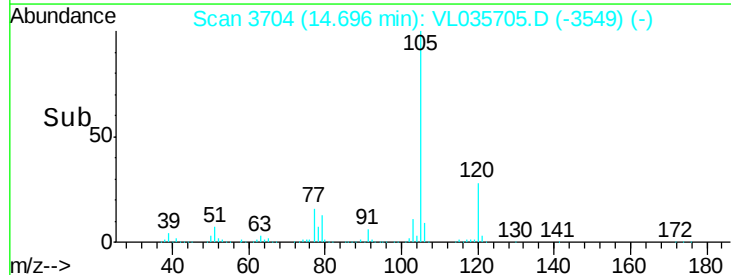
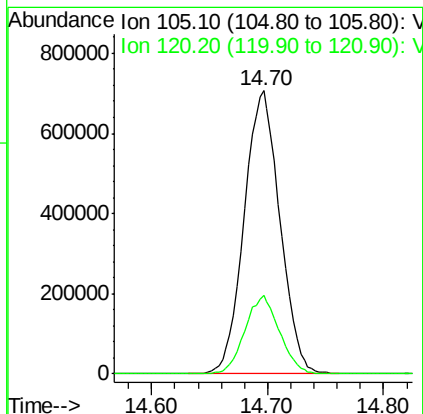
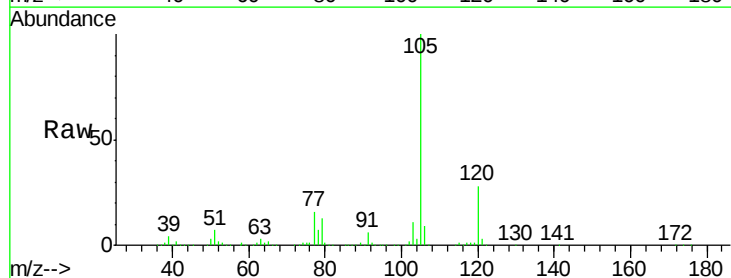
RT: 14.70 min Scan# 3704

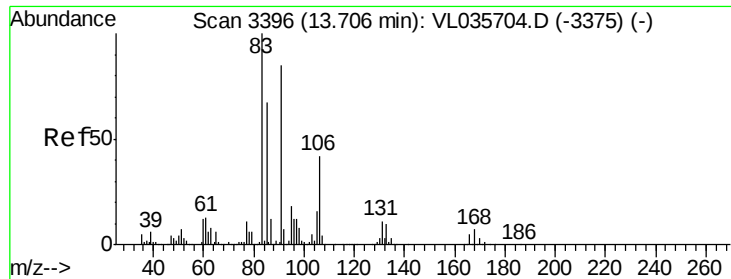
Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1515103		
120	26.9		24.1	36.1





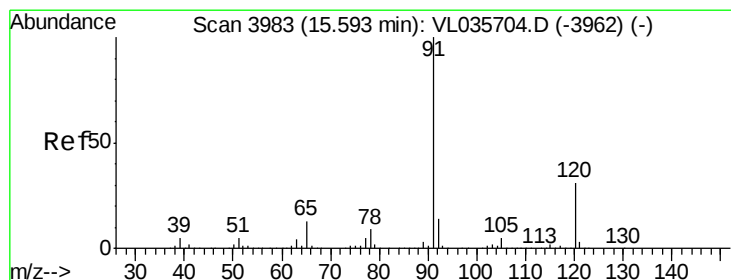
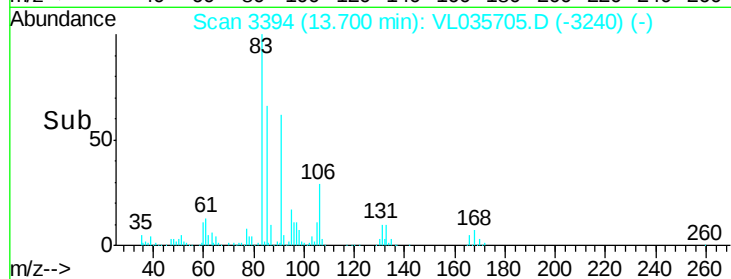
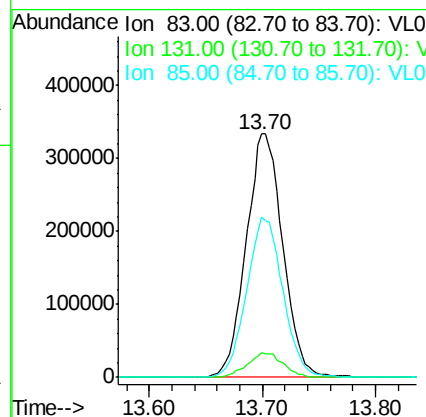
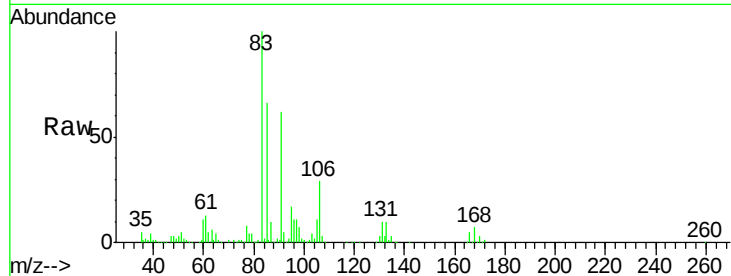
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.190 ppbv
 RT: 13.70 min Scan# 3394
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
83	100	750319		
131	9.9	5.3	16.1	
85	65.4	33.4	100.2	

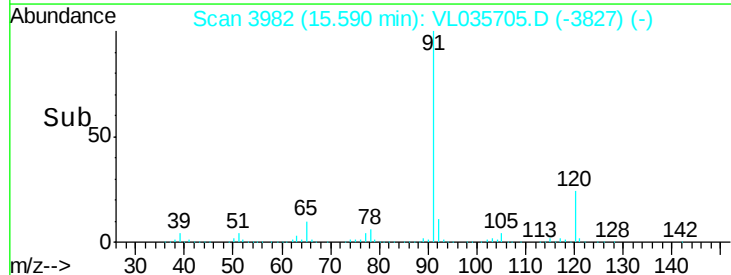
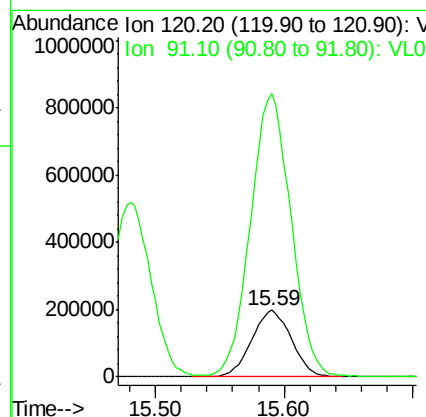
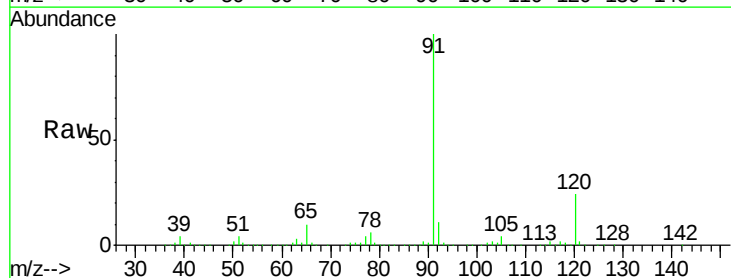
Manual Integrations
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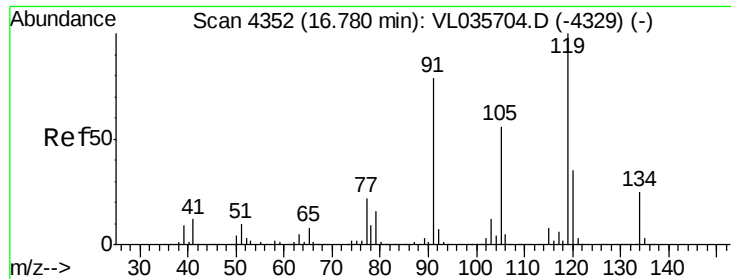
MMDadoda
 9/24/2020 1:35:12 PM



#64
 n-propylbenzene
 Concen: 2.002 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	427375		
91	433.1	300.4	450.6	





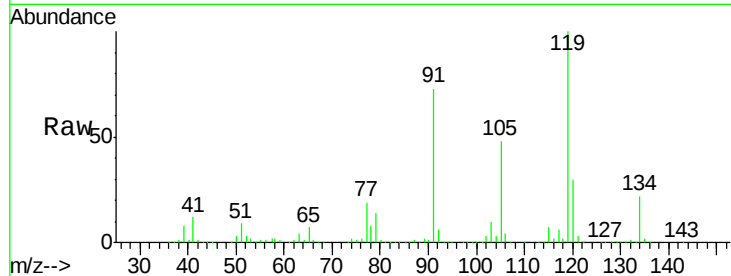
#65
tert-Butylbenzene
Concen: 2.175 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.6	62.4	93.6
134	21.0	18.2	27.2

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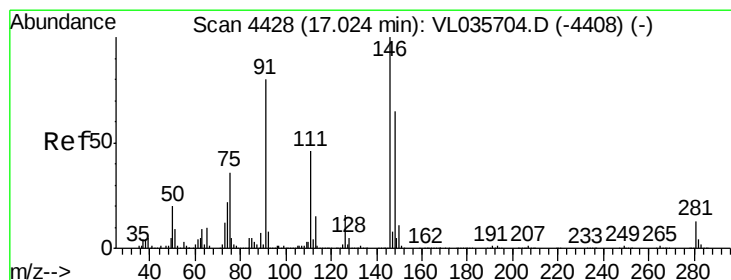
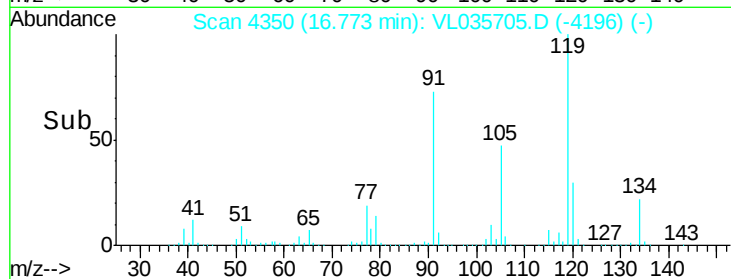
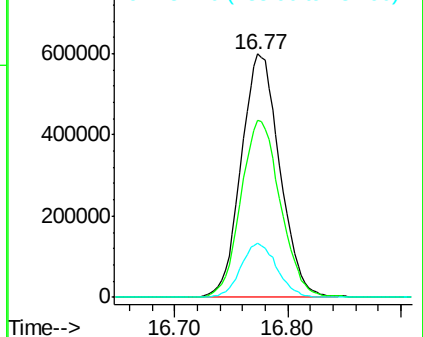
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

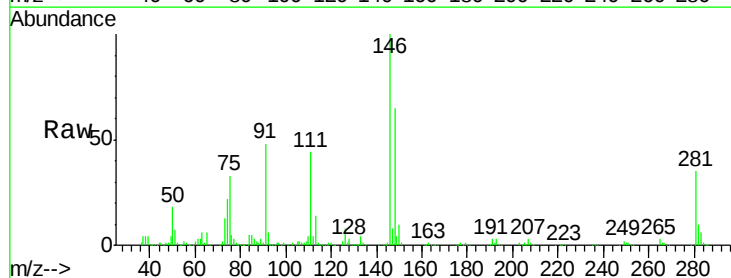
Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66
Benzyl Chloride
Concen: 2.131 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

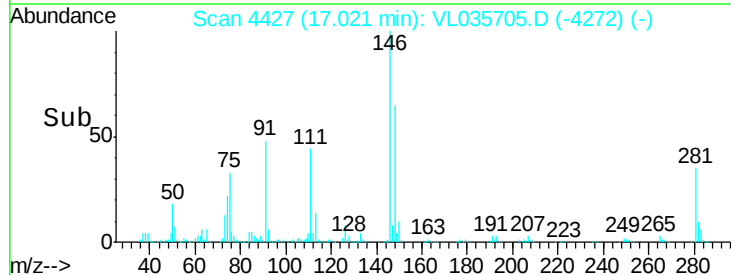
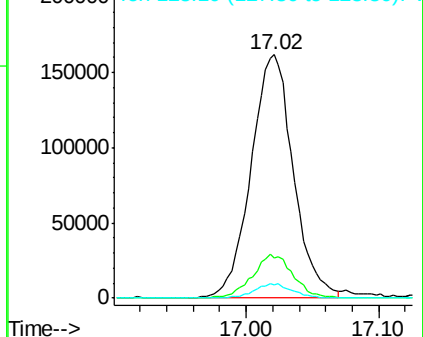
Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.7	15.3	22.9
128	5.5	5.0	7.4

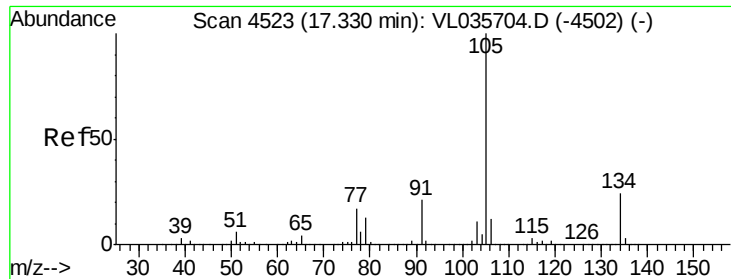


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





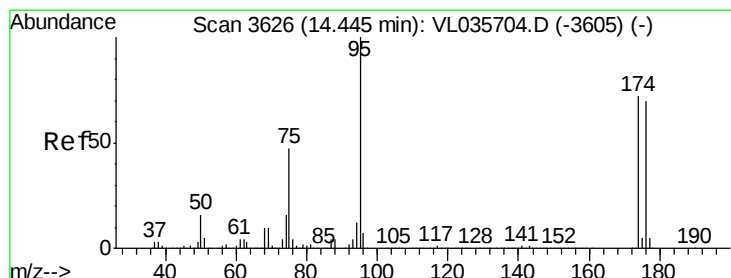
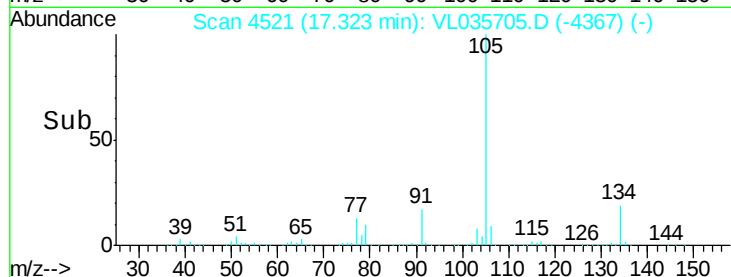
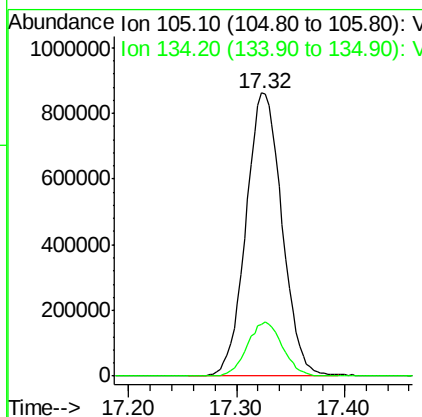
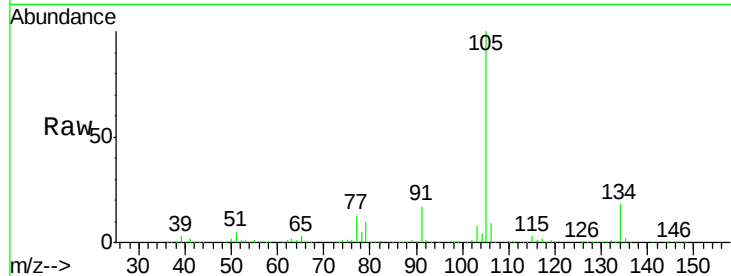
#67
 sec-Butylbenzene
 Concen: 2.284 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 105 Resp: 1997002
 Ion Ratio Lower Upper
 105 100
 134 18.8 17.6 26.4

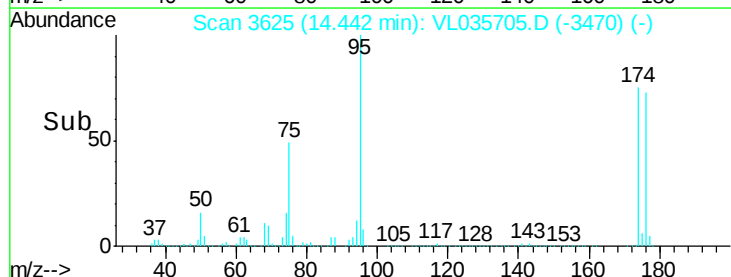
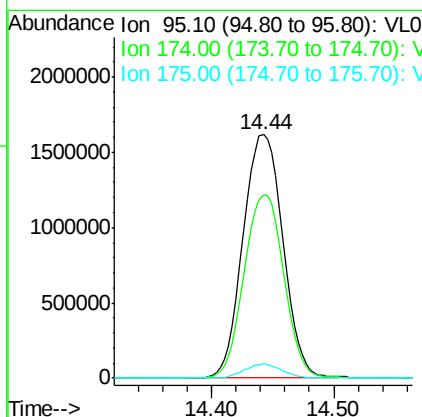
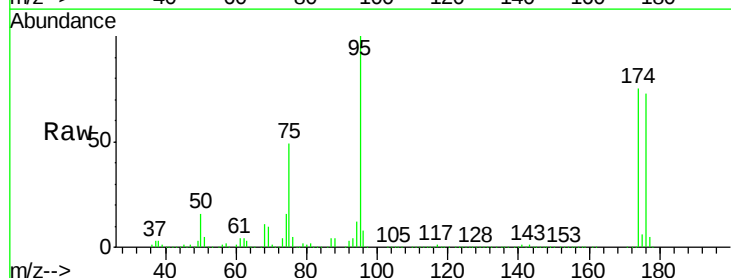
Manual Integrations
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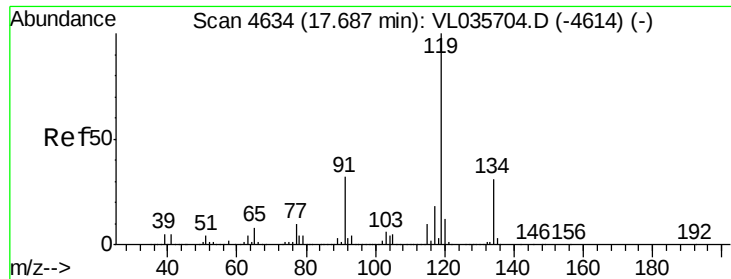
MMDadoda
 9/24/2020 1:35:12 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.230 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion: 95 Resp: 3663699
 Ion Ratio Lower Upper
 95 100
 174 75.5 59.6 89.4
 175 5.4 4.2 6.4





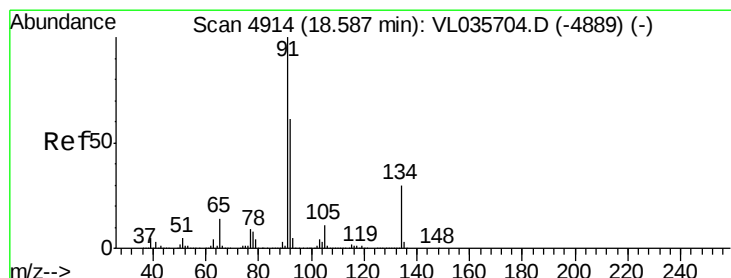
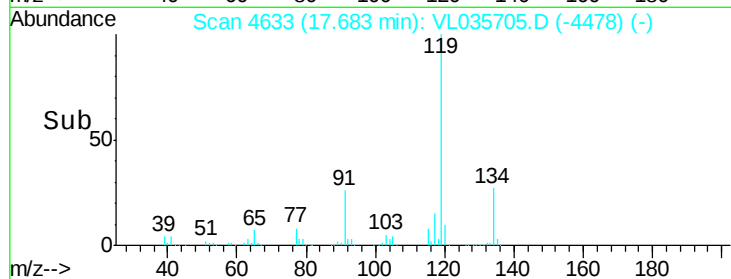
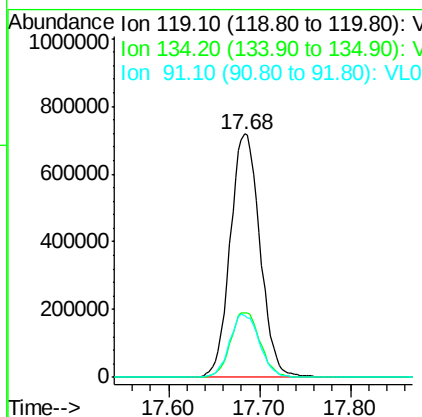
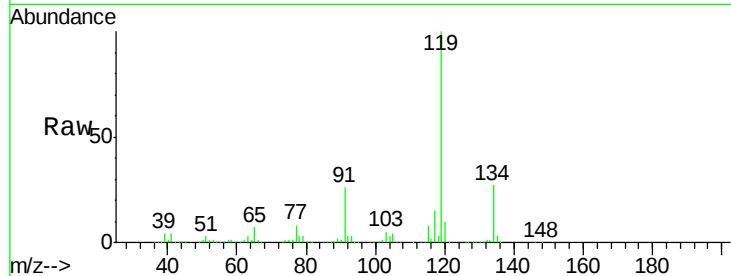
#69
p-Isopropyltoluene
Concen: 2.146 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	23.9	35.9
91	26.1	23.8	35.6

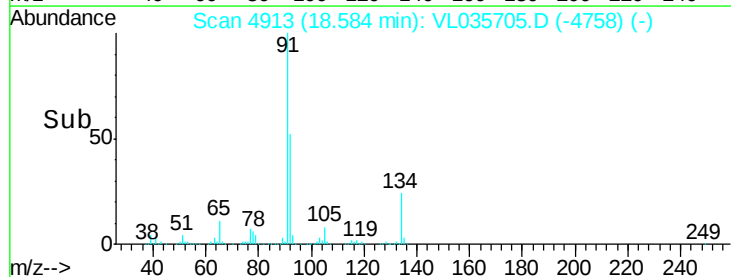
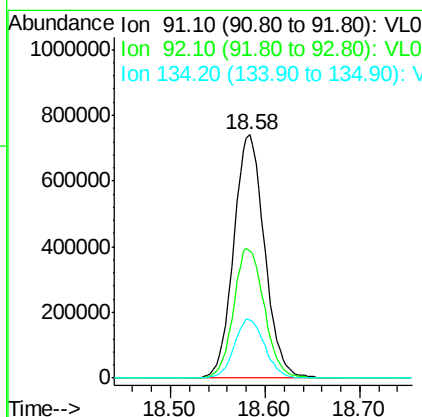
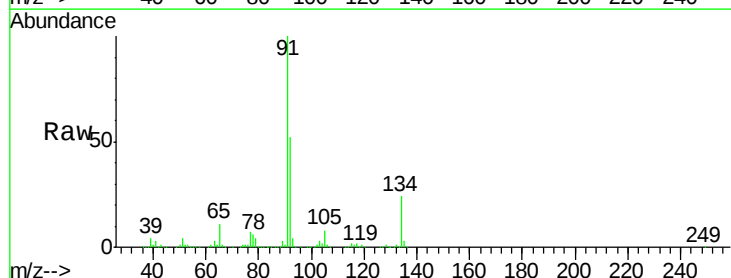
Manual Integrations
APPROVED

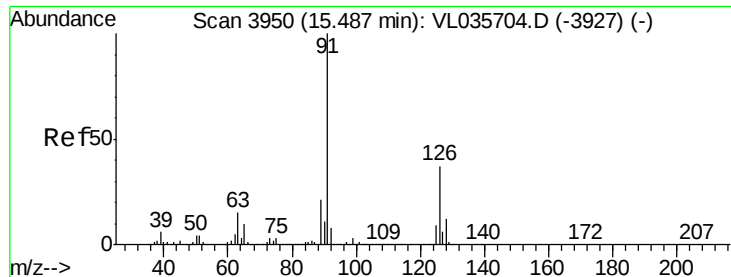
MMDadoda
9/24/2020 1:35:12 PM



#70
n-Butylbenzene
Concen: 2.263 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	47.0	70.4
134	24.0	21.9	32.9





#71

2-Chlorotoluene

Concen: 2.143 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 1105124

Ion Ratio Lower Upper

91 100

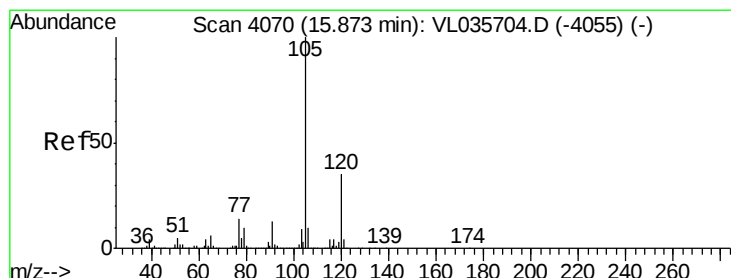
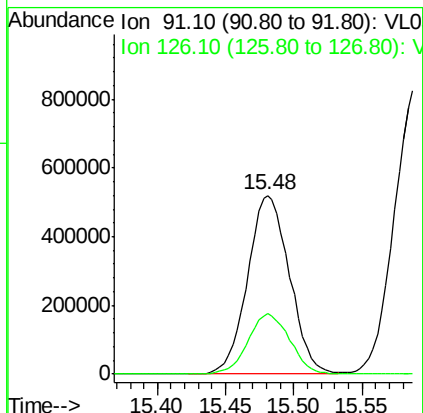
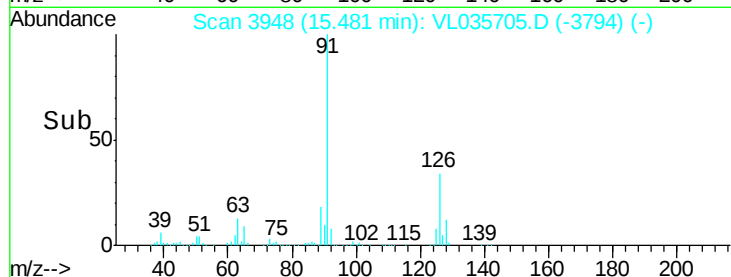
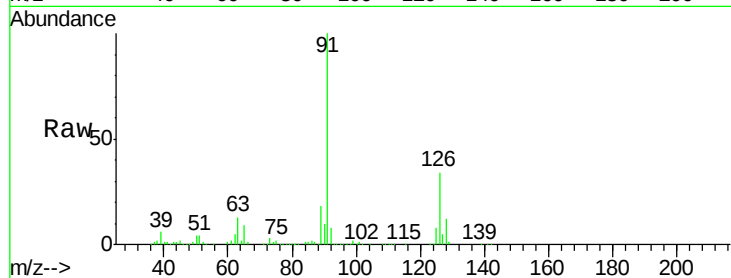
126 33.9 14.4 57.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 2.100 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion: 105 Resp: 1169616

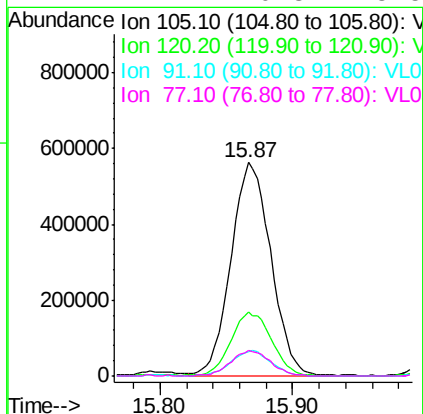
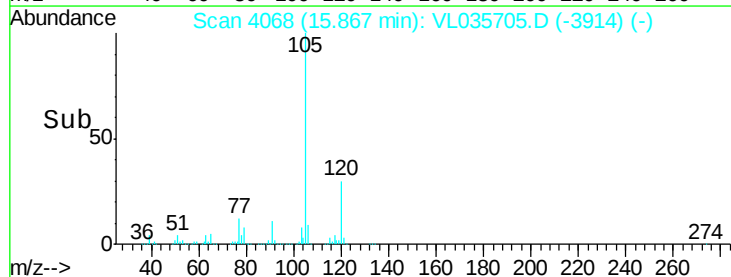
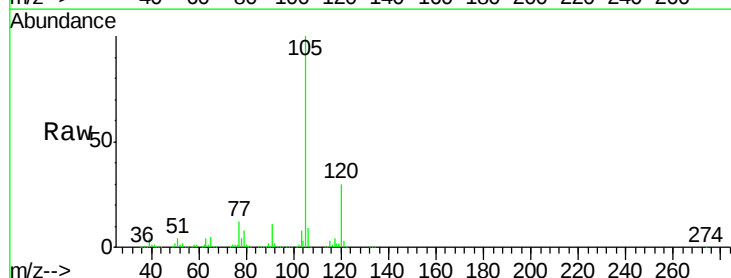
Ion Ratio Lower Upper

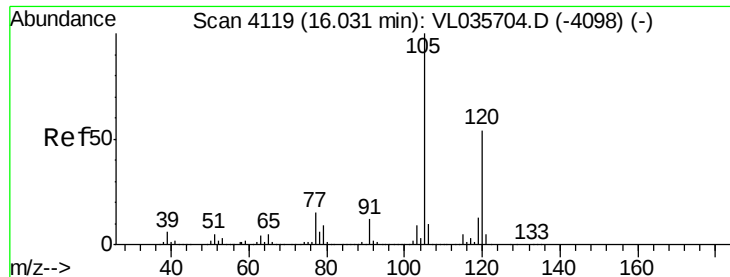
105 100

120 30.8 26.5 39.7

91 11.9 10.2 15.2

77 11.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 2.135 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1101015

Ion Ratio Lower Upper

105 100

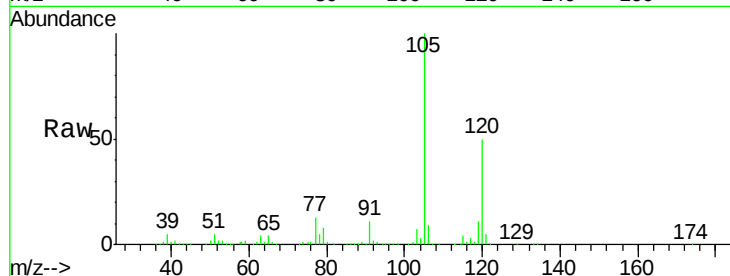
120 49.6 43.0 64.4

Manual Integrations

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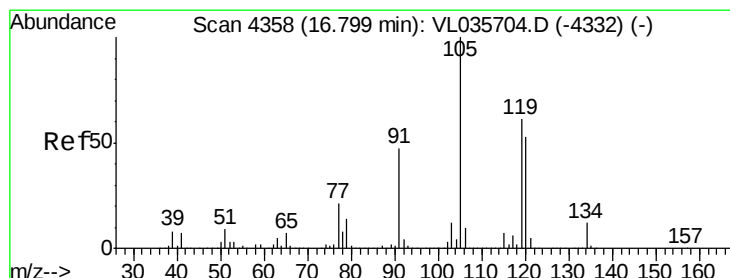
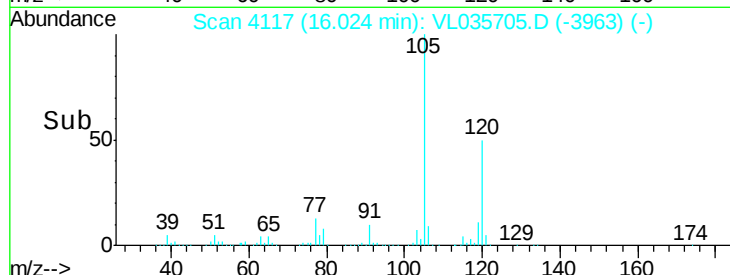
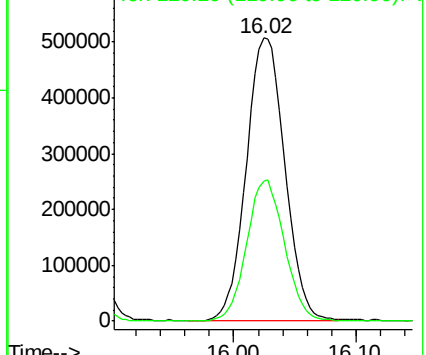
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.212 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.01 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion:105 Resp: 1253956

Ion Ratio Lower Upper

105 100

120 53.2 42.5 63.7

91 52.7 37.7 56.5

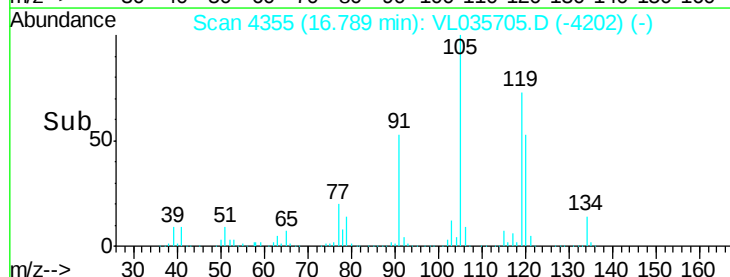
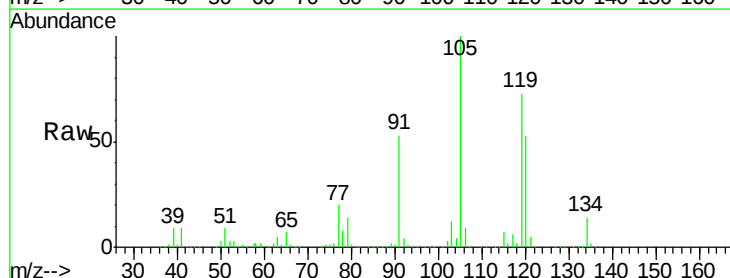
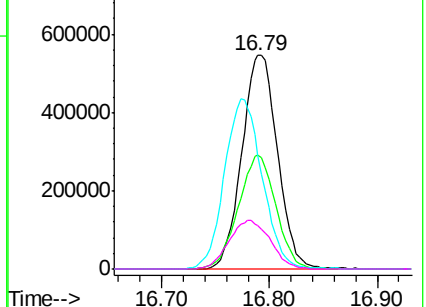
77 20.3 16.7 25.1

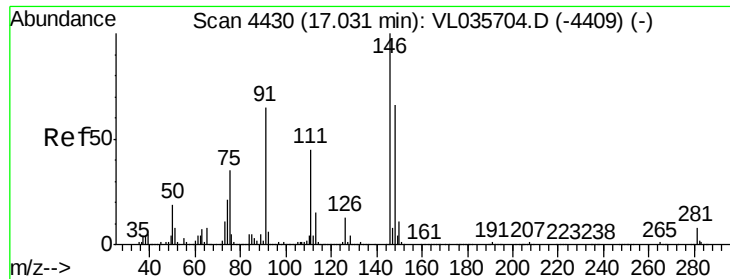
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





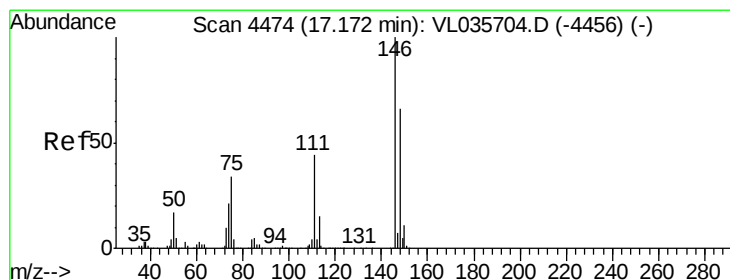
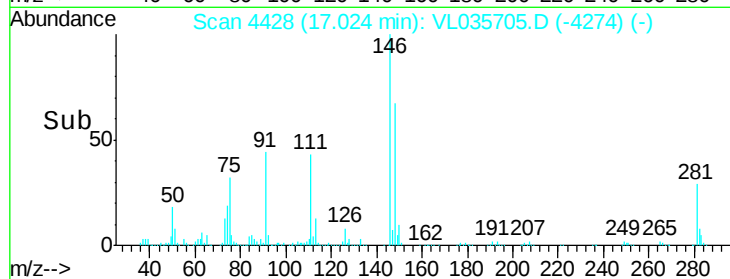
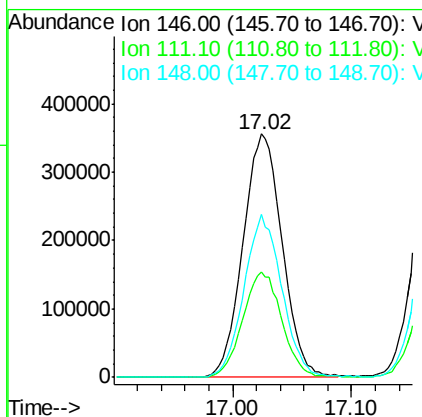
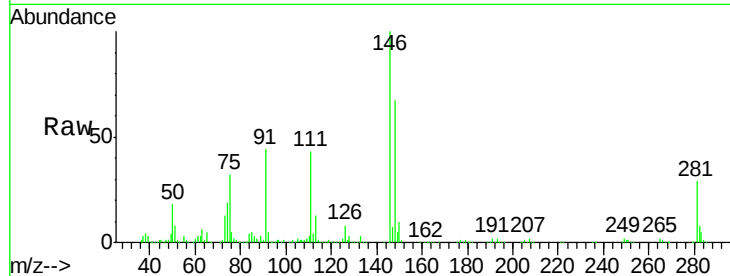
#75
 1,3-Dichlorobenzene
 Concen: 1.971 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.4	67.0
148	64.9	33.0	99.0

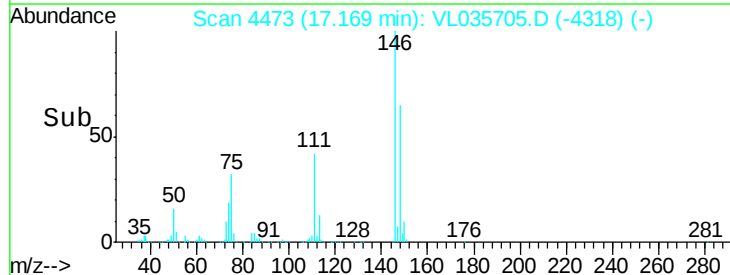
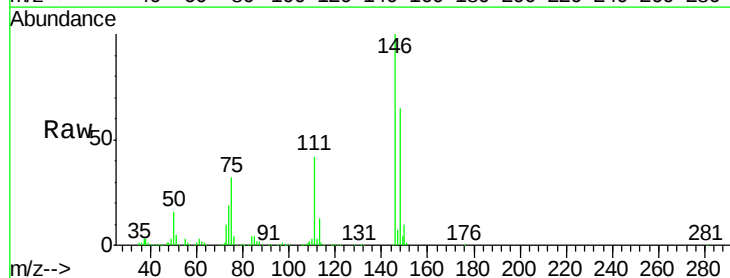
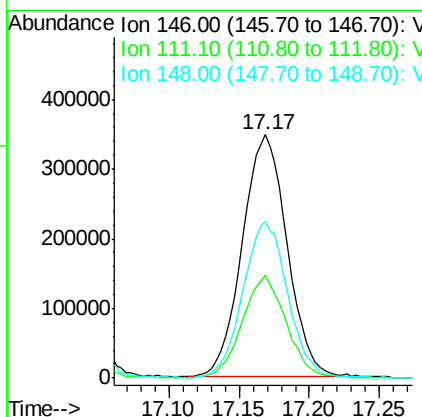
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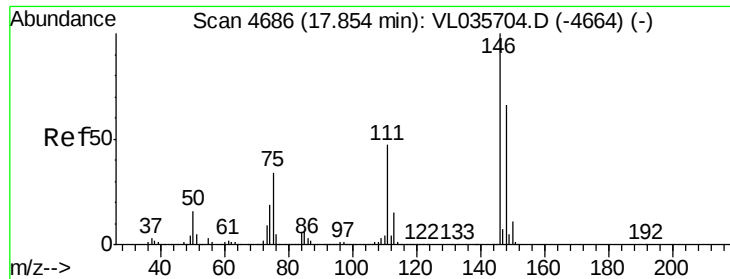
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#76
 1,4-Dichlorobenzene
 Concen: 1.900 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	65.5	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 1.916 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Instrument :

MSVOA_L

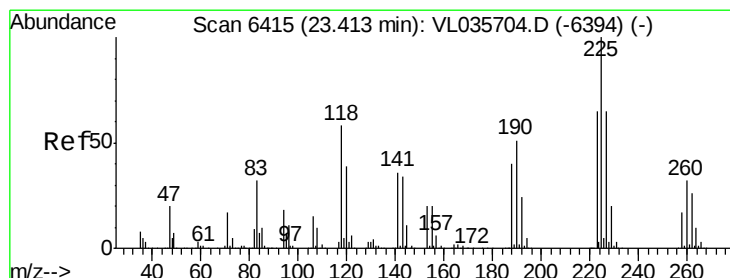
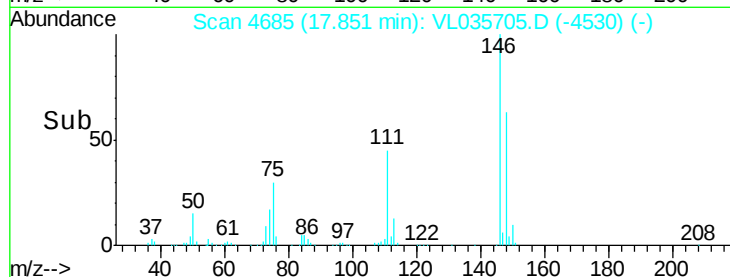
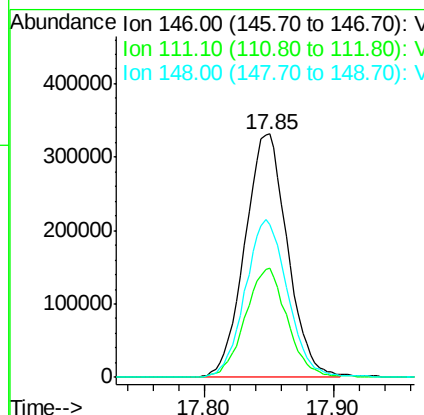
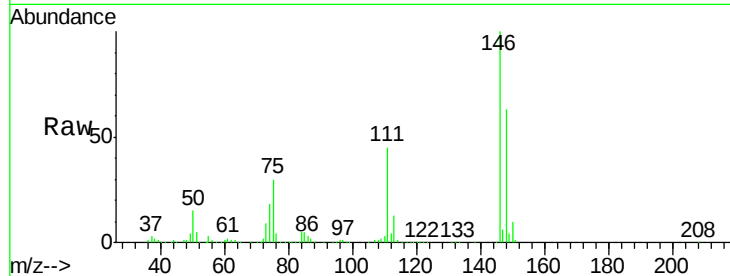
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	763696
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.9	68.5
148	64.6	32.6	98.0

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#78

Hexachloro-1,3-Butadiene

Concen: 1.702 ppbv

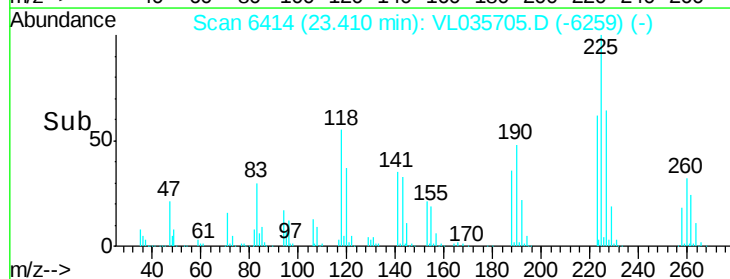
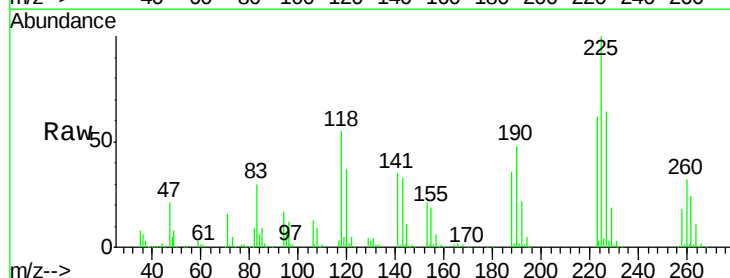
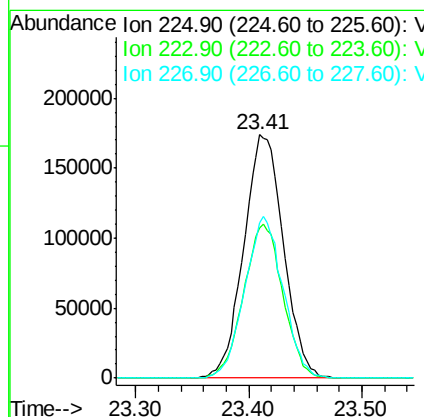
RT: 23.41 min Scan# 6414

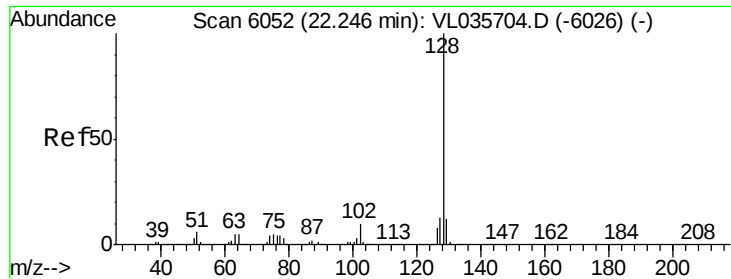
Delta R.T. -0.00 min

Lab File: VL035705.D

Acq: 23 Sep 2020 4:02

Tgt Ion:	225	Resp:	424481
Ion Ratio	Lower	Upper	
225	100		
223	62.6	51.3	76.9
227	64.1	51.6	77.4





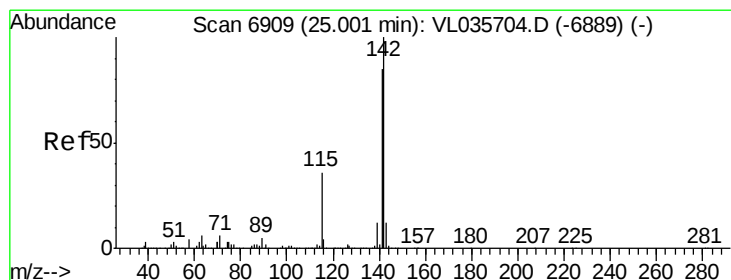
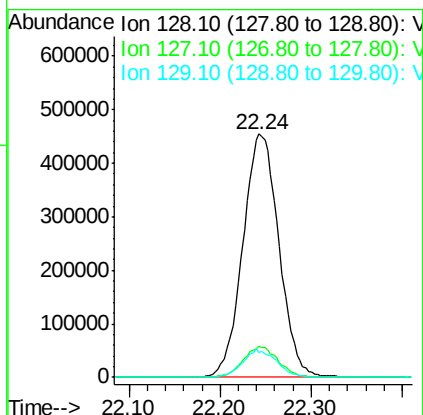
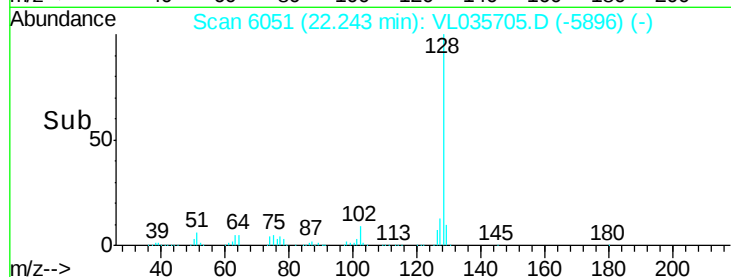
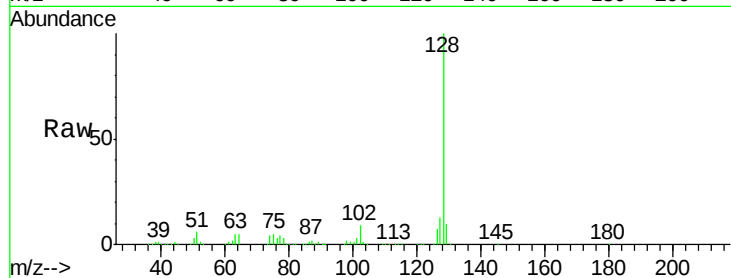
#79
Naphthalene
Concen: 2.055 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.3	9.4	14.0

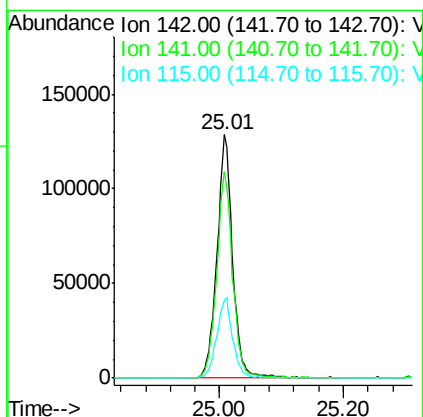
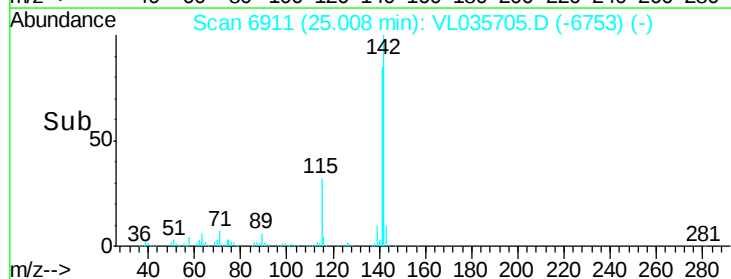
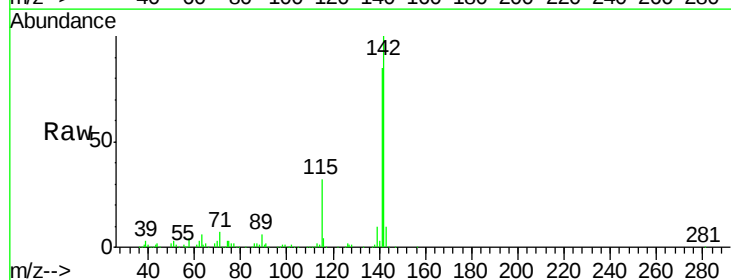
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#80
Naphthalene, 2-methyl-
Concen: 1.152 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.2	102.4
115	33.3	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 1.717 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. 0.00 min
 Lab File: VL035705.D
 Acq: 23 Sep 2020 4:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
184	30.2	24.6	37.0

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