

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037167.D
 Acq On : 16 Jun 2021 11:19
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

SAM
 6/17/2021 5:41:06 PM

Quant Time: Jun 16 12:22:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:22:39 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1487231	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4412580	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4007988	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2993828	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	164165	0.693	ppbv	96
3) Chlorodifluoromethane	2.99	51	158305	0.567	ppbv	99
4) Chloromethane	3.14	50	52391	0.551	ppbv	97
5) Vinyl Chloride	3.26	62	52484	0.571	ppbv	97
6) Bromomethane	3.48	94	35779m	0.612	ppbv	
7) Chloroethane	3.56	64	21013m	0.586	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	150018	0.593	ppbv	99
9) Propene	3.01	41	47546	0.517	ppbv	86
10) Heptane	8.13	43	112271	0.512	ppbv	97
11) Trichlorofluoromethane	3.95	101	150471	0.560	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	105717	0.573	ppbv	100
13) Ethanol	3.63	45	9679m	0.761	ppbv	
14) Bromoethene	3.74	108	40850	0.512	ppbv #	94
15) Acetone	3.87	43	99938m	0.562	ppbv	
16) 1,3-Butadiene	3.33	39	49489m	0.515	ppbv	
17) tert-Butyl alcohol	4.33	59	76901m	0.499	ppbv	
18) 1,1-Dichloroethene	4.29	96	48994m	0.589	ppbv	
19) Isopropyl Alcohol	4.00	45	52134m	0.534	ppbv	
20) Methylene Chloride	4.35	84	60977m	0.786	ppbv	
21) Allyl Chloride	4.42	41	65988m	0.555	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	43973m	0.543	ppbv	
23) Vinyl Acetate	5.09	43	111199m	0.476	ppbv	
24) 1,1-Dichloroethane	5.01	63	102716	0.548	ppbv	99
25) Ethyl Acetate	5.69	43	181861	0.522	ppbv #	98
26) Hexane	5.69	57	101671	0.586	ppbv	94
27) Carbon Disulfide	4.56	76	79725m	0.453	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	113636m	0.523	ppbv	
29) Chloroform	5.75	83	152542m	0.545	ppbv	
30) Cyclohexane	7.14	84	80967m	0.536	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	88859m	0.532	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	143974m	0.560	ppbv	
34) 2-Butanone	5.27	43	76762	0.463	ppbv #	87
35) Carbon Tetrachloride	7.02	117	143077	0.527	ppbv	93
36) Benzene	6.89	78	188086	0.537	ppbv	95
37) 1,2-Dichloroethane	6.31	62	103366	0.508	ppbv	97
38) Trichloroethene	7.84	130	81970m	0.542	ppbv	
39) 1,2-Dichloropropane	7.62	63	60237	0.451	ppbv	87
40) 1,4-Dioxane	7.88	88	17763m	0.475	ppbv	
41) Tetrahydrofuran	6.09	42	38874m	0.482	ppbv	
42) Bromodichloromethane	7.80	83	140716m	0.502	ppbv	
43) Methyl Methacrylate	8.03	69	56374m	0.469	ppbv	

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Quant Time: Jun 16 12:22:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 12:22:39 2021
 QLast Update : Wed Jun 16 11:33:05 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	311457	0.531	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	40535m	0.374	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	62081m	0.430	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	79634m	0.525	ppbv	
48) Dibromochloromethane	10.31	129	99454	0.407	ppbv	92
49) Bromoform	13.05	173	65576m	0.343	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	113863m	0.467	ppbv	
51) 2-Hexanone	10.18	43	48726m	0.400	ppbv	
52) Tetrachloroethene	11.23	164	79492m	0.549	ppbv	
53) Toluene	9.81	91	216200	0.519	ppbv	99
54) 1,2-Dibromoethane	10.62	107	105812m	0.477	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	88230m	0.505	ppbv	
57) Chlorobenzene	12.15	112	169958	0.529	ppbv #	90
58) Ethyl Benzene	12.72	91	274713	0.506	ppbv	90
59) m/p-Xylene	13.00	91	481548m	1.044	ppbv	
60) o-Xylene	13.70	91	224863	0.508	ppbv	99
61) Styrene	13.53	104	97641	0.418	ppbv	90
62) Isopropylbenzene	14.68	105	340628	0.539	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	146305	0.508	ppbv	94
64) n-propylbenzene	15.57	120	74840	0.465	ppbv	66
65) tert-Butylbenzene	16.75	119	279804	0.489	ppbv	90
66) Benzyl Chloride	17.00	91	11992m	0.480	ppbv	
67) sec-Butylbenzene	17.31	105	393606	0.518	ppbv	98
69) p-Isopropyltoluene	17.66	119	305714	0.481	ppbv	98
70) n-Butylbenzene	18.56	91	282515m	0.486	ppbv	
71) 2-Chlorotoluene	15.46	91	224775m	0.499	ppbv	
72) 4-Ethyltoluene	15.85	105	246776	0.480	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	260764m	0.534	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	257244m	0.518	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	162052m	0.530	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	162136m	0.534	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	155945m	0.517	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	154039m	0.721	ppbv	
79) Naphthalene	22.22	128	176465m	0.590	ppbv	
80) Naphthalene, 2-methyl-	25.04	142	42640m	0.590	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	111116m	0.584	ppbv	

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

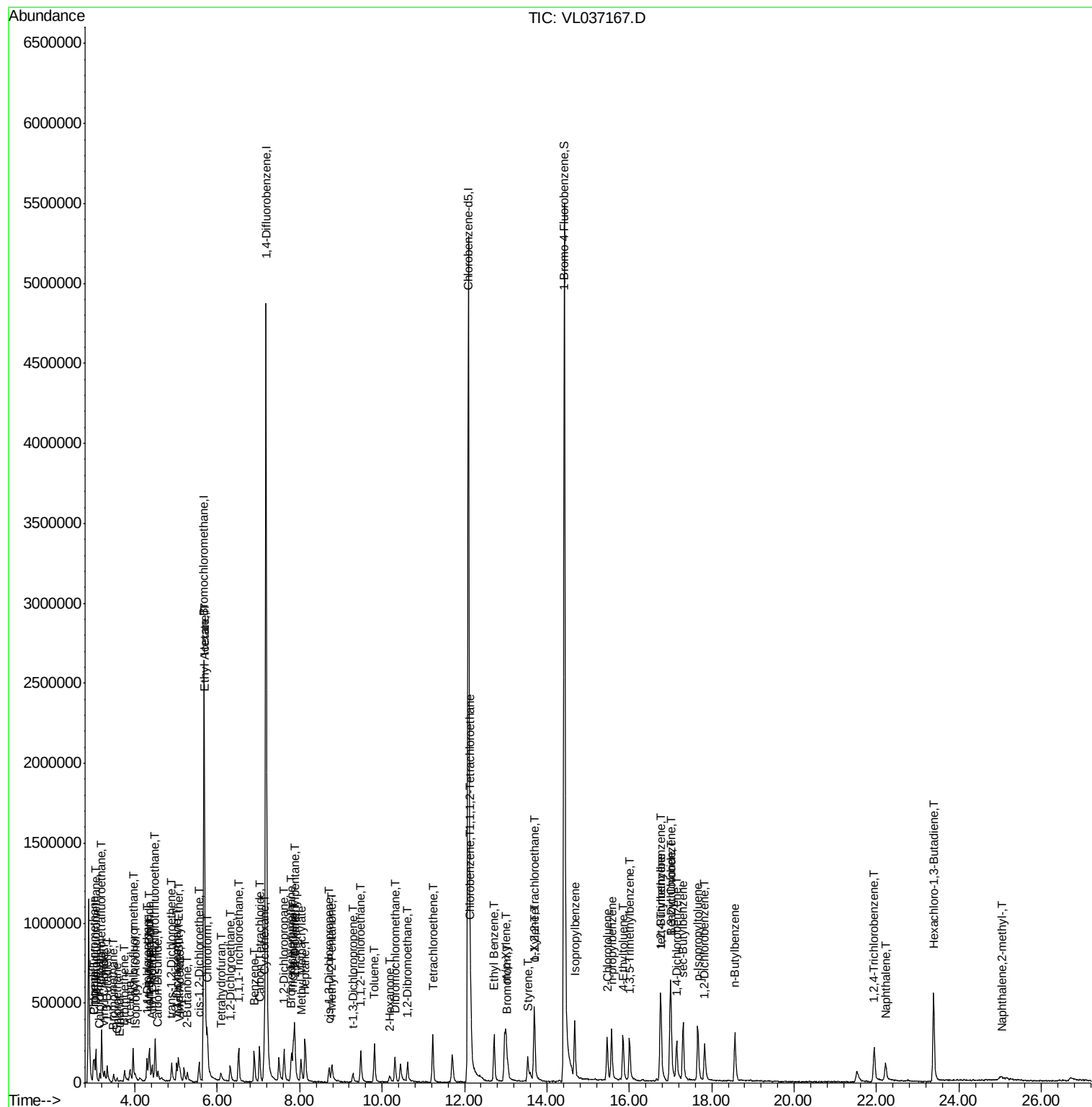
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
Data File : VL037167.D
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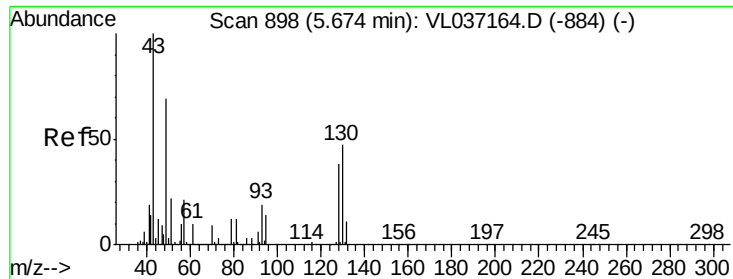
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

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Quant Time: Jun 16 12:22:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1487231

Ion Ratio Lower Upper

49 100

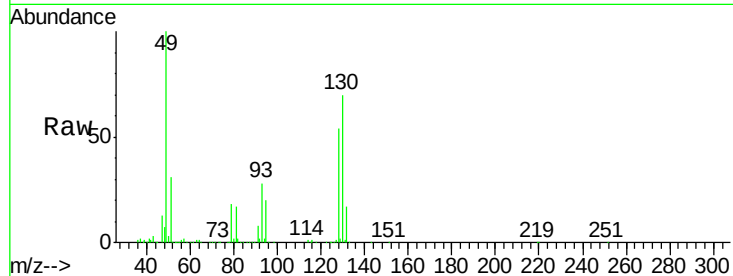
128 58.5 29.3 88.0

130 73.9 35.9 107.8

Manual Integrations
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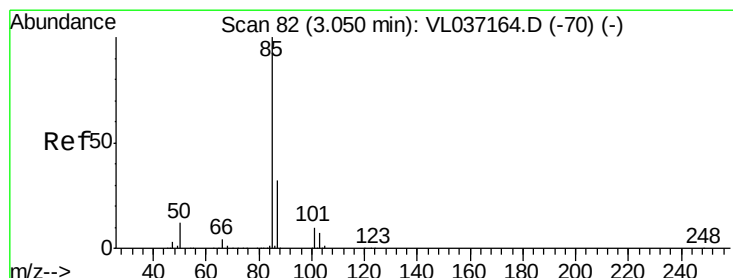
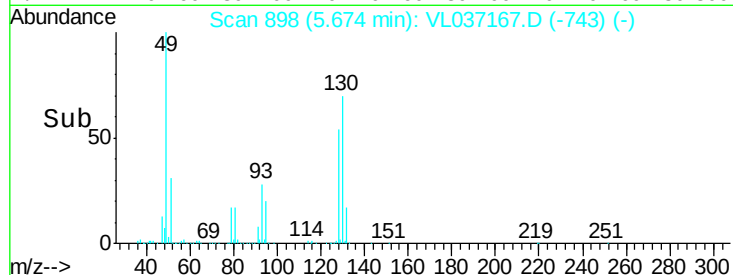
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 0.693 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037167.D

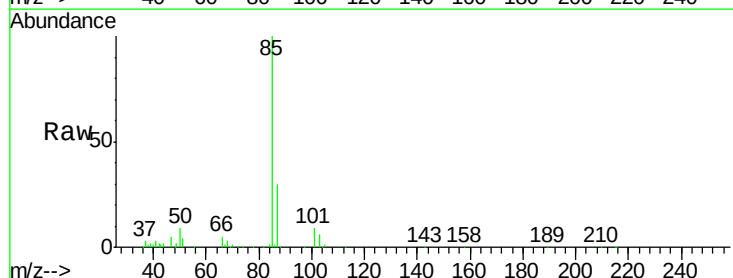
Acq: 16 Jun 2021 11:19

Tgt Ion: 85 Resp: 164165

Ion Ratio Lower Upper

85 100

87 29.9 25.8 38.6

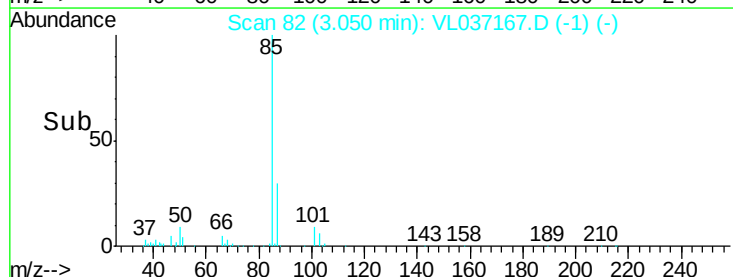


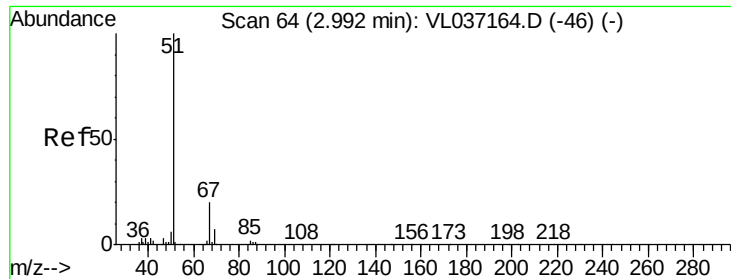
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.567 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 158305

Ion Ratio Lower Upper

51 100

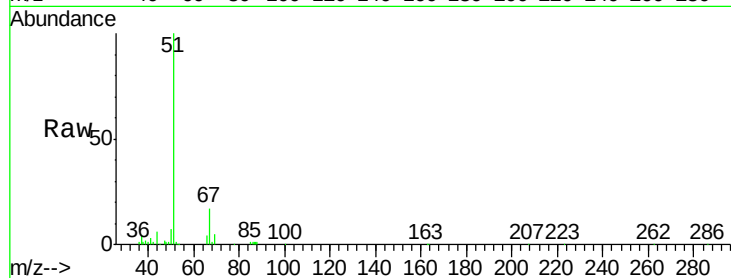
67 19.0 15.8 23.6

Manual Integrations

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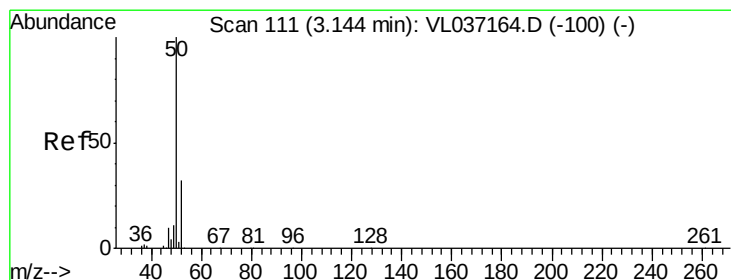
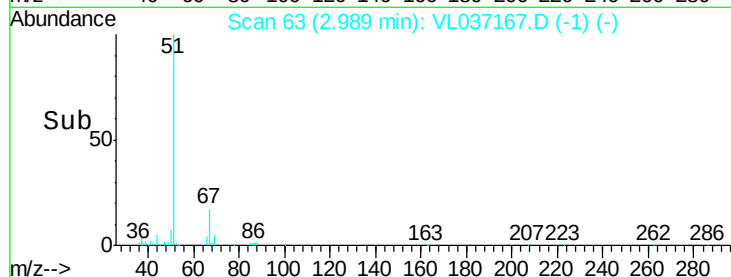
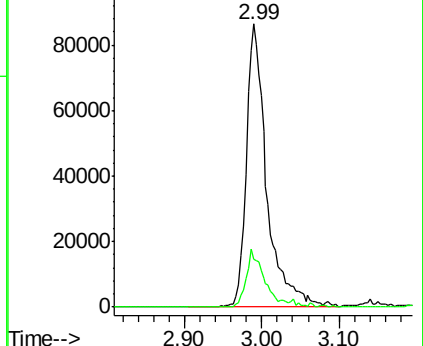
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.551 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL037167.D

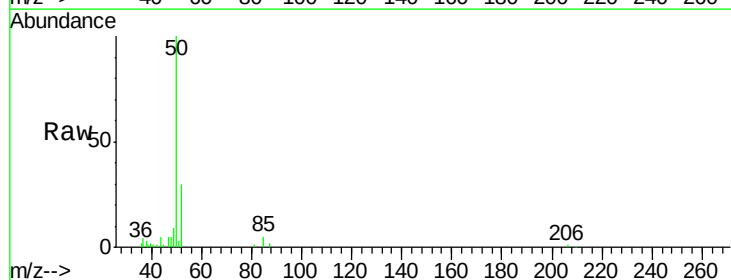
Acq: 16 Jun 2021 11:19

Tgt Ion: 50 Resp: 52391

Ion Ratio Lower Upper

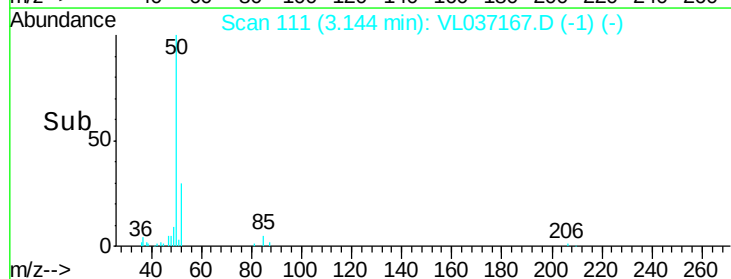
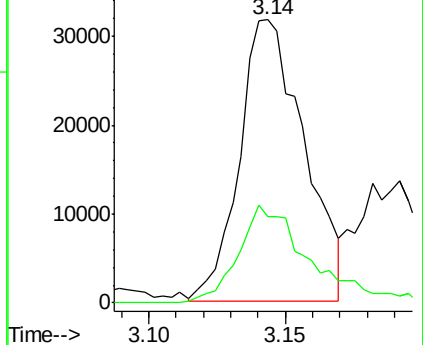
50 100

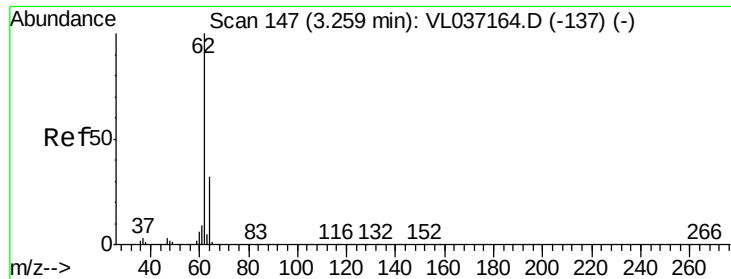
52 30.3 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.571 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 52484

Ion Ratio Lower Upper

62 100

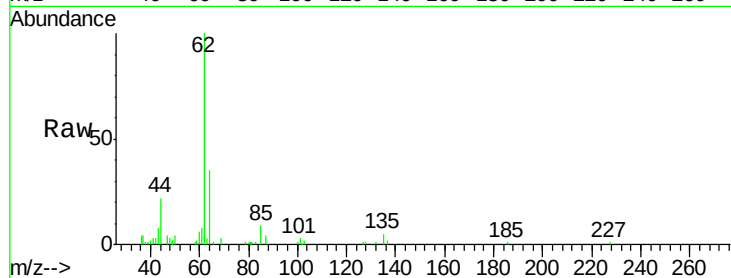
64 33.8 25.6 38.4

Manual Integrations

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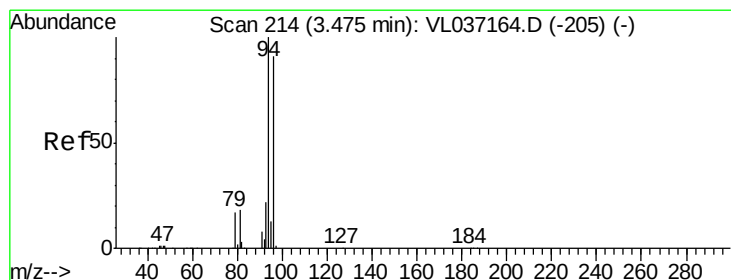
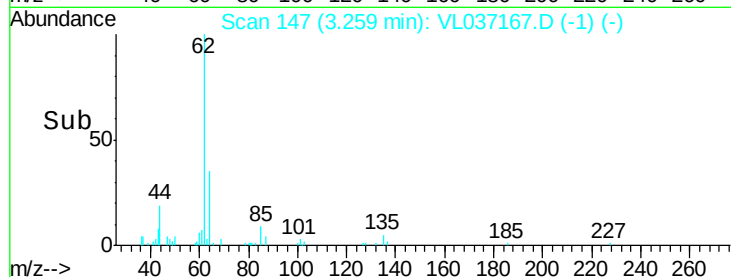
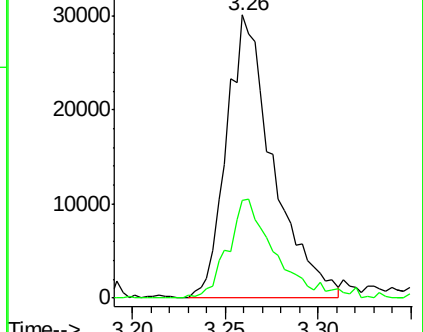
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.612 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037167.D

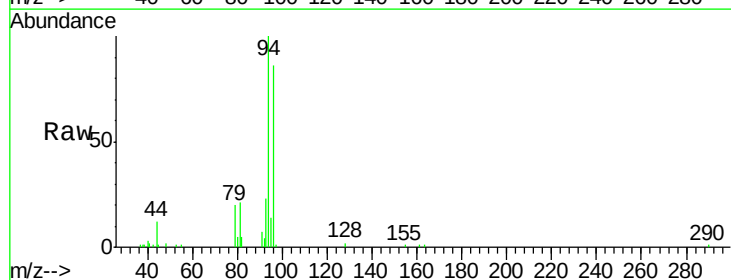
Acq: 16 Jun 2021 11:19

Tgt Ion: 94 Resp: 35779

Ion Ratio Lower Upper

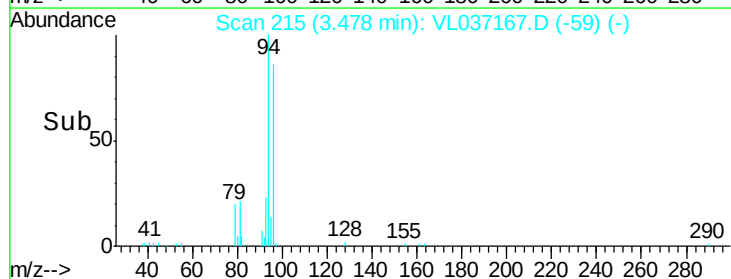
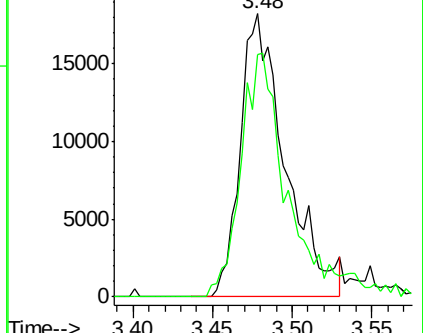
94 100

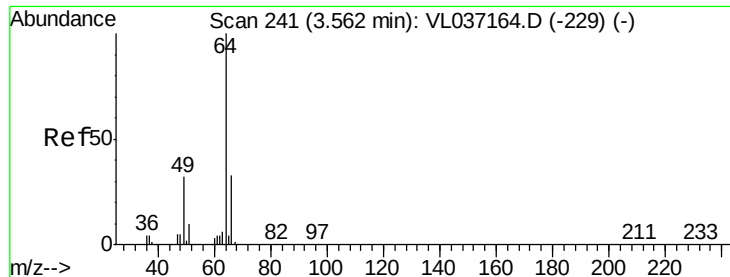
96 85.7 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.586 ppbv m

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 21013

Ion Ratio Lower Upper

64 100

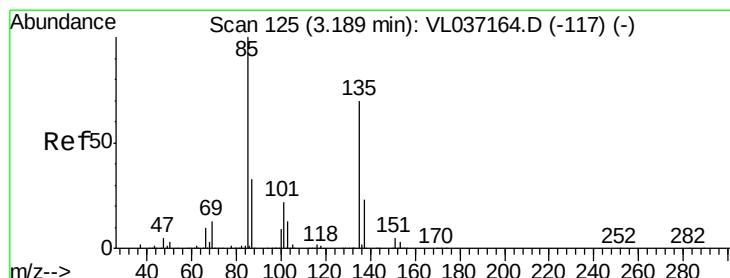
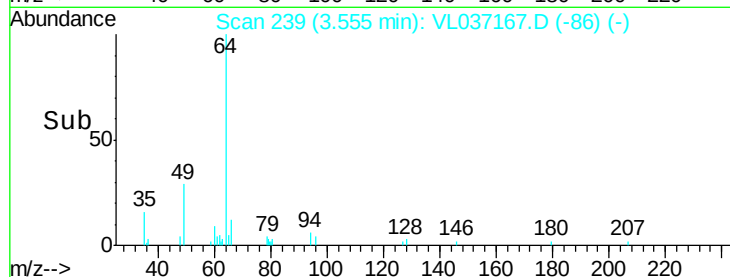
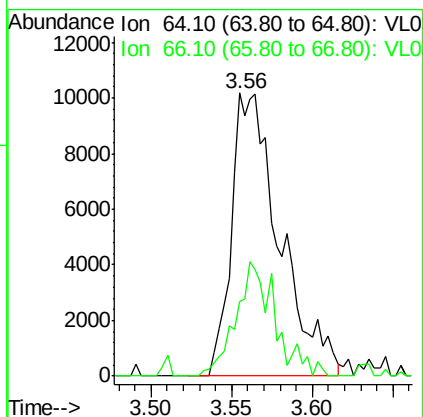
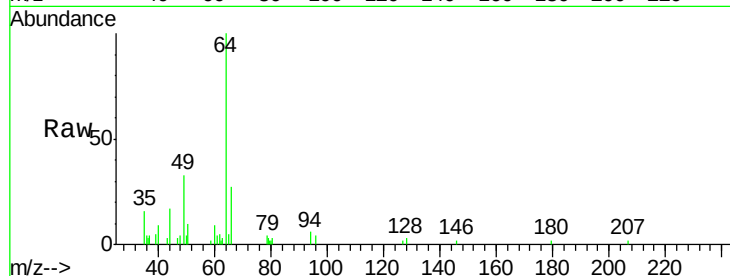
66 26.5 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.593 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037167.D

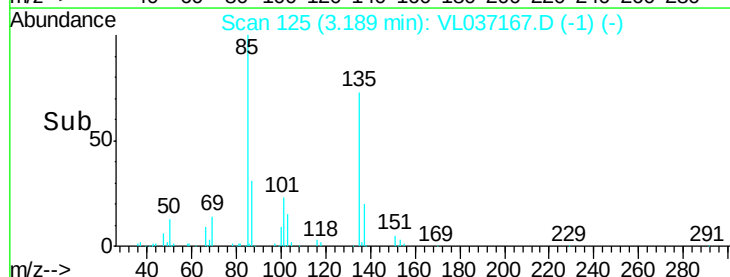
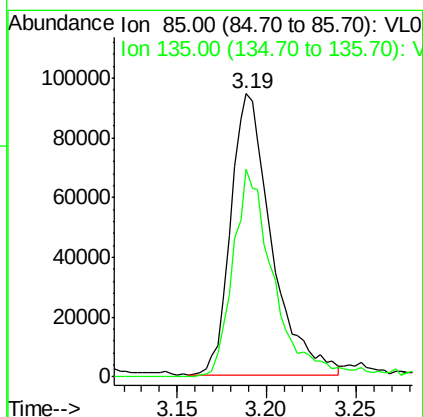
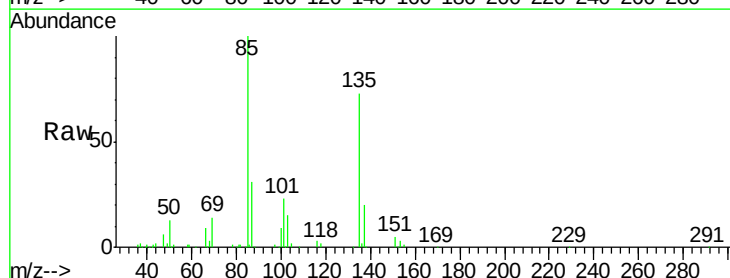
Acq: 16 Jun 2021 11:19

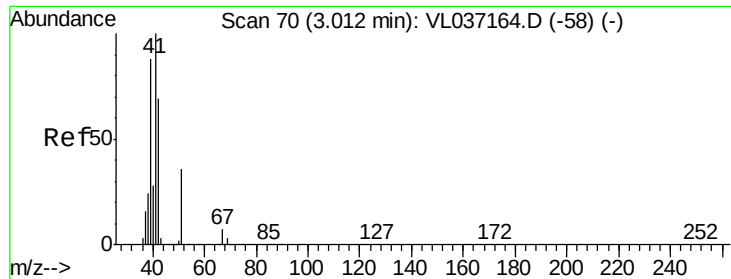
Tgt Ion: 85 Resp: 150018

Ion Ratio Lower Upper

85 100

135 76.0 60.4 90.6





#9

Propene

Concen: 0.517 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 47546

Ion Ratio Lower Upper

41 100

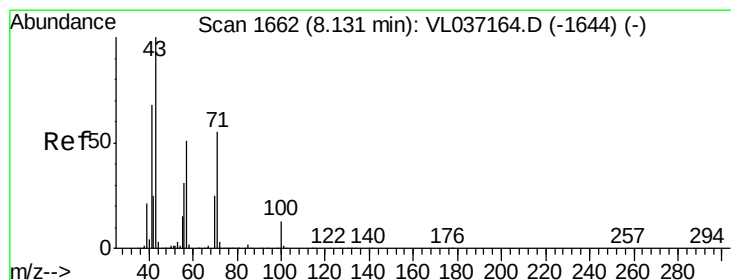
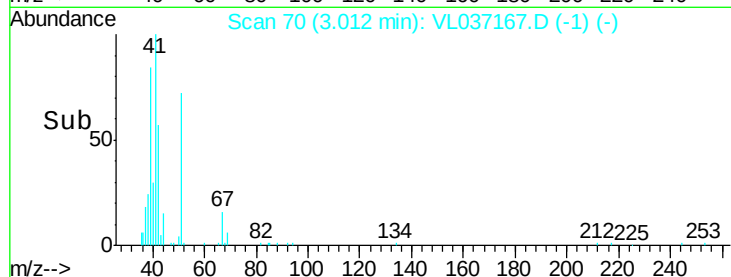
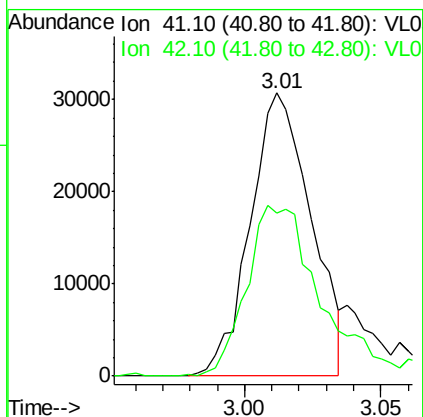
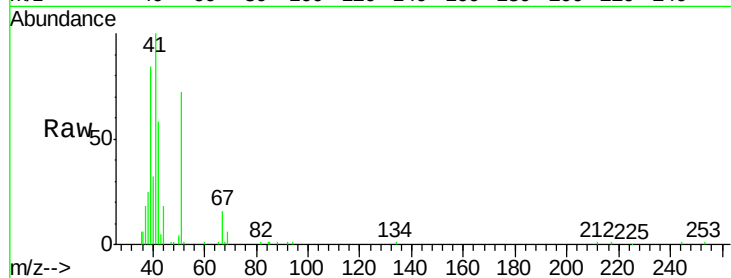
42 79.3 54.5 81.7

Manual Integrations

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#10

Heptane

Concen: 0.512 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL037167.D

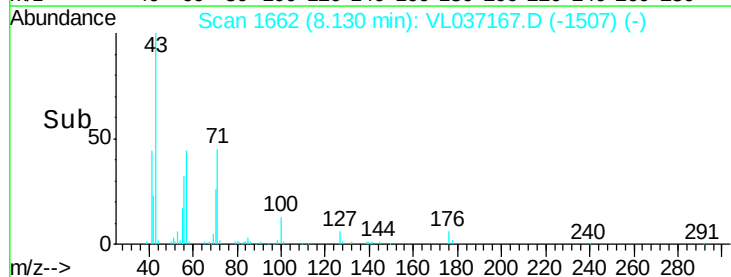
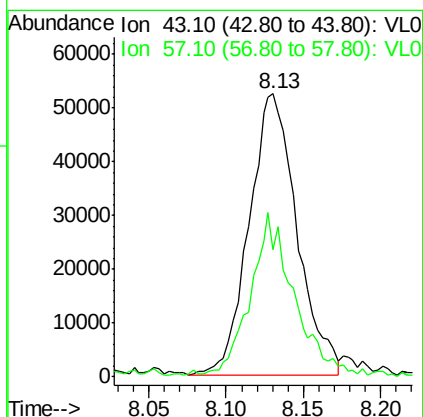
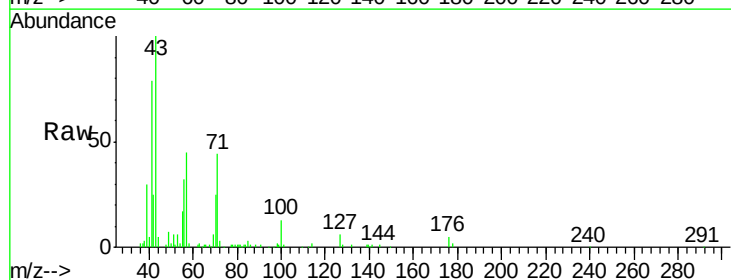
Acq: 16 Jun 2021 11:19

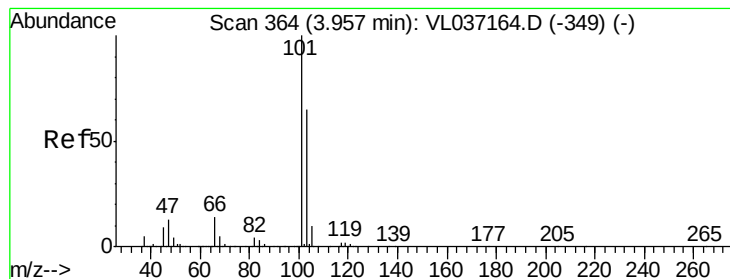
Tgt Ion: 43 Resp: 112271

Ion Ratio Lower Upper

43 100

57 52.6 40.6 61.0





#11

Trichlorofluoromethane

Concen: 0.560 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 150471

Ion Ratio Lower Upper

101 100

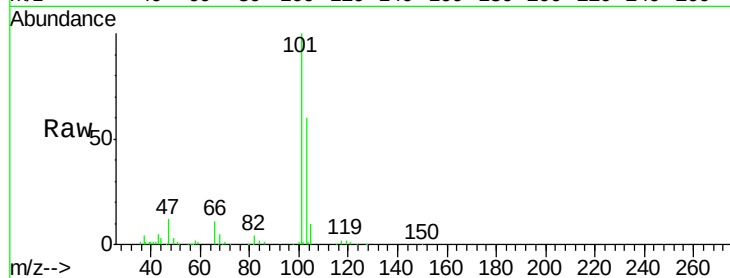
103 59.9 52.2 78.4

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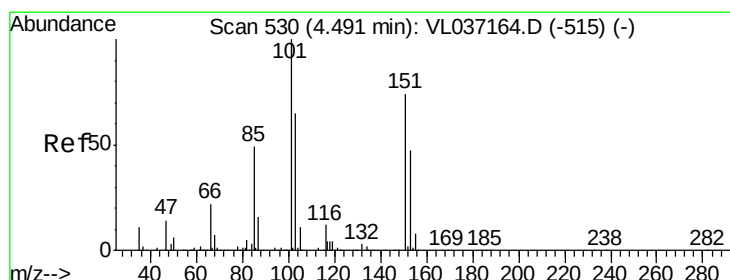
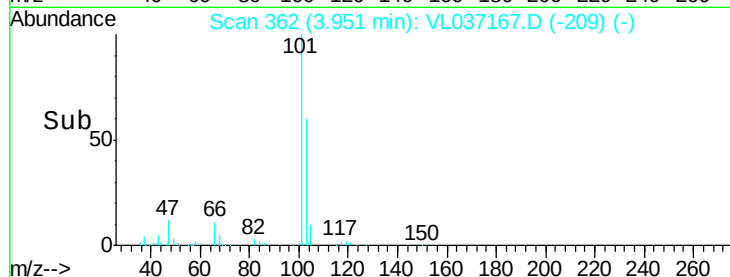
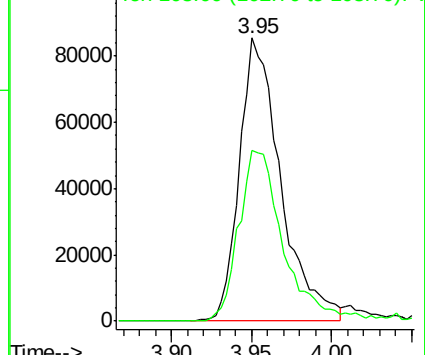
SAM

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.573 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.00 min

Lab File: VL037167.D

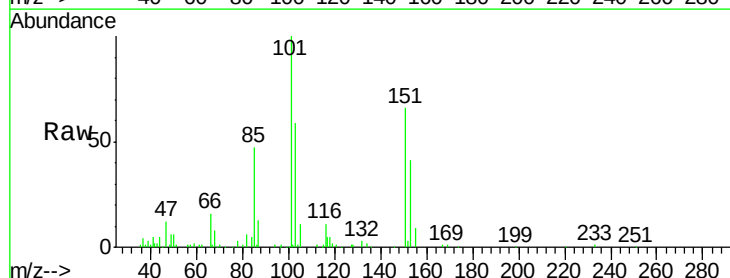
Acq: 16 Jun 2021 11:19

Tgt Ion:101 Resp: 105717

Ion Ratio Lower Upper

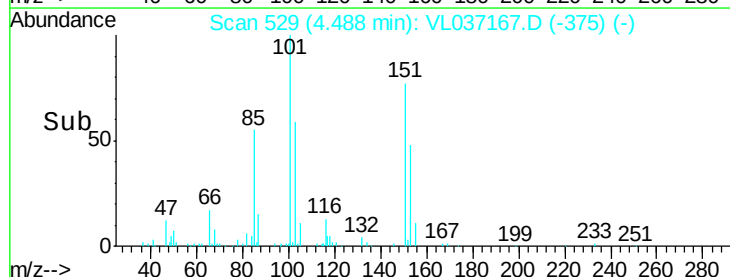
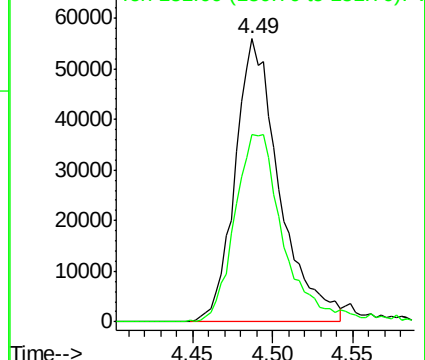
101 100

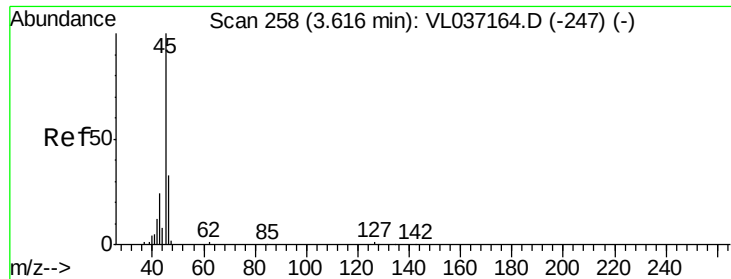
151 73.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





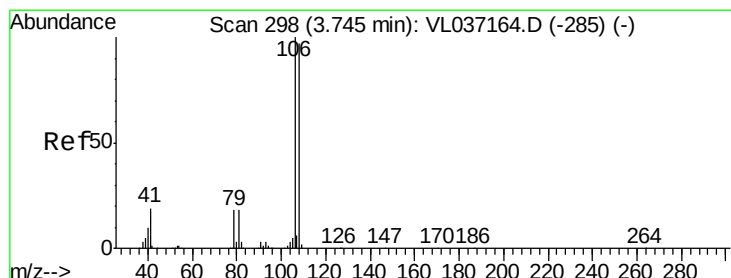
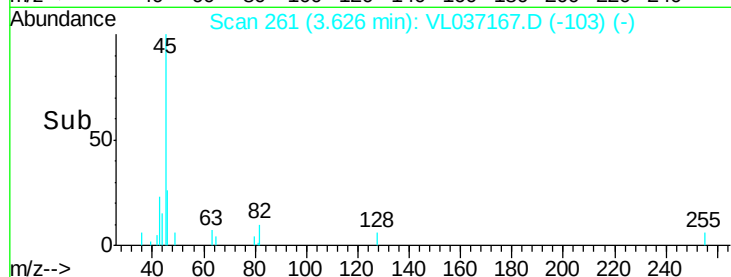
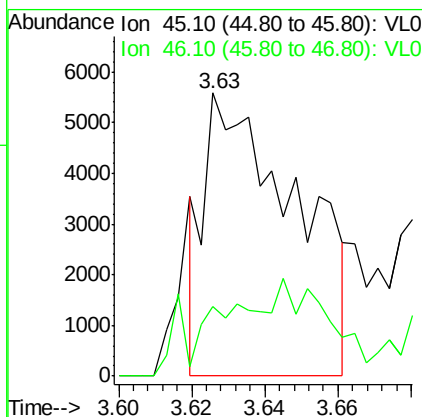
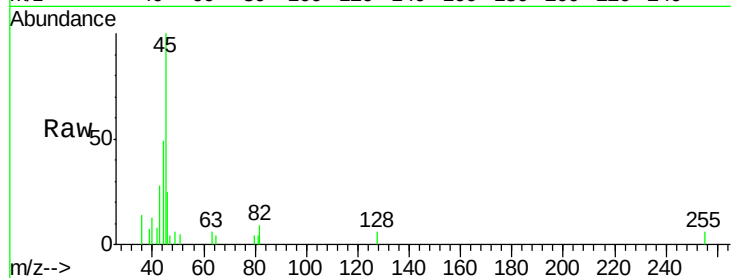
#13
Ethanol
Concen: 0.761 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 9679
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#

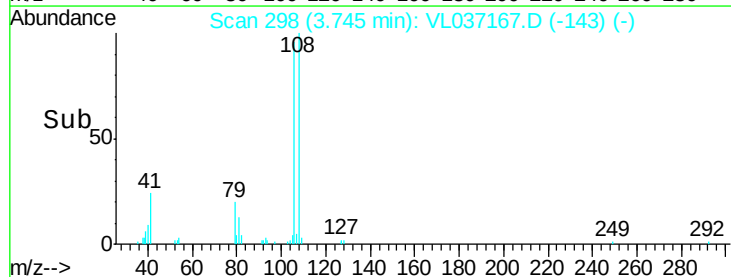
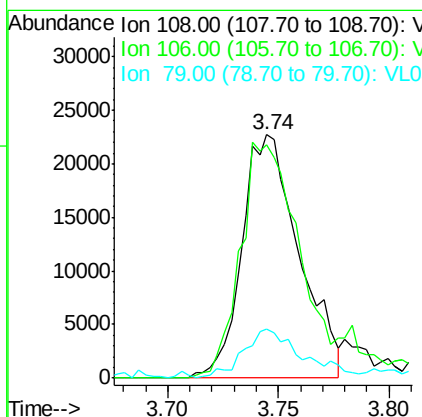
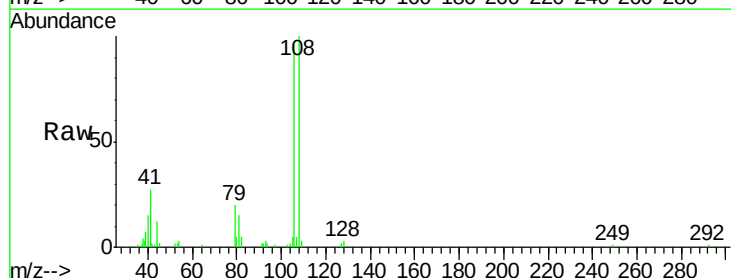
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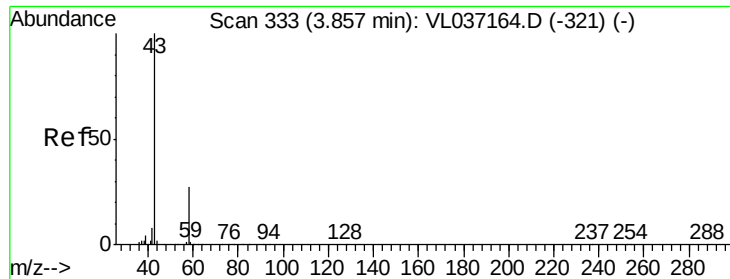
SAM
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#14
Bromoethene
Concen: 0.512 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 108 Resp: 40850
Ion Ratio Lower Upper
108 100
106 114.3 86.8 130.2
79 24.4 15.6 23.4#





#15

Acetone

Concen: 0.562 ppbv m

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 99938

Ion Ratio Lower Upper

43 100

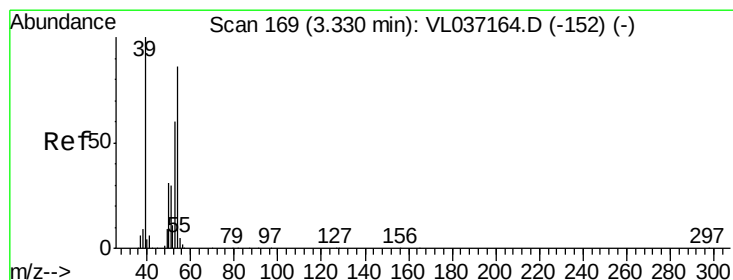
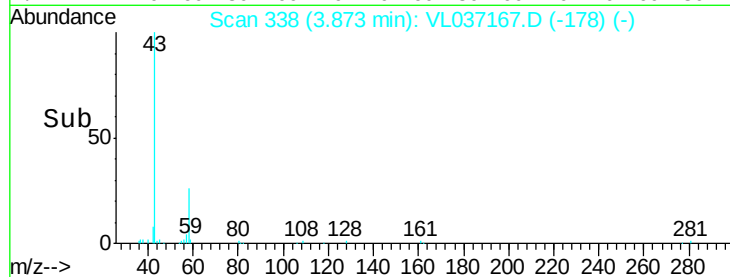
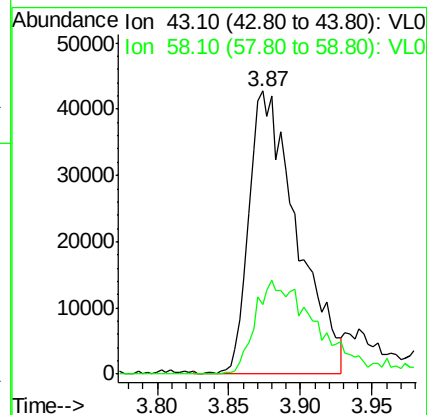
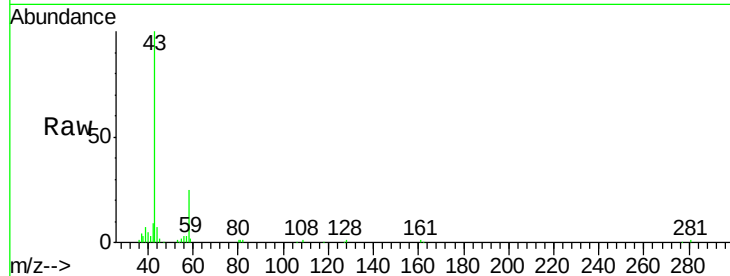
58 0.0 23.7 35.5#

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#16

1,3-Butadiene

Concen: 0.515 ppbv m

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037167.D

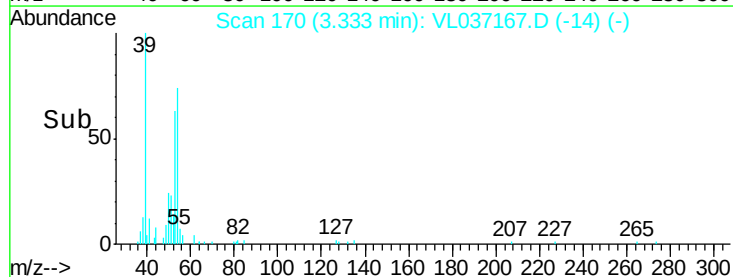
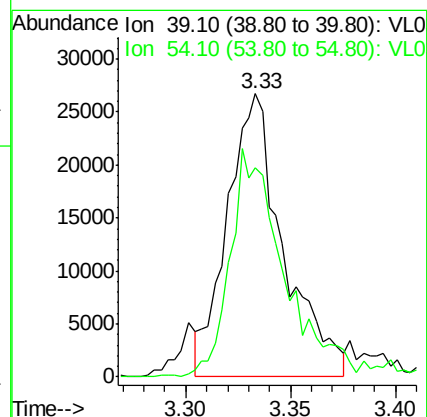
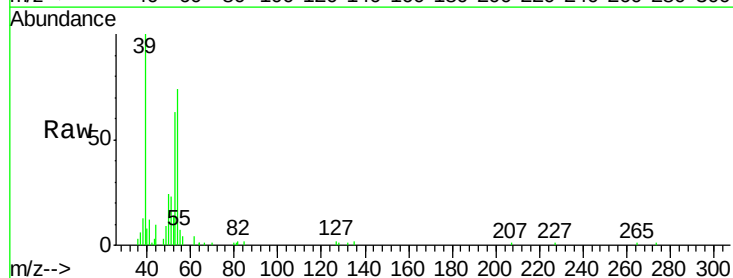
Acq: 16 Jun 2021 11:19

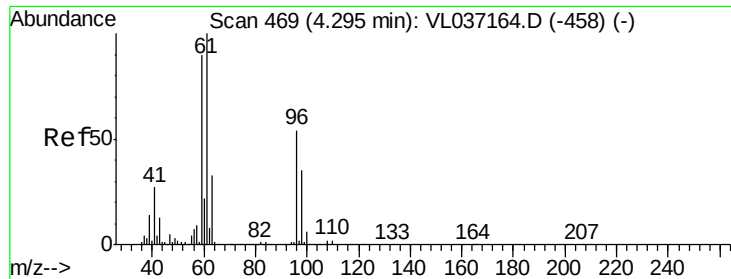
Tgt Ion: 39 Resp: 49489

Ion Ratio Lower Upper

39 100

54 79.8 61.2 91.8





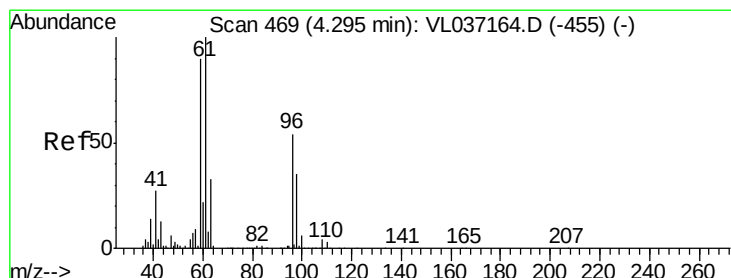
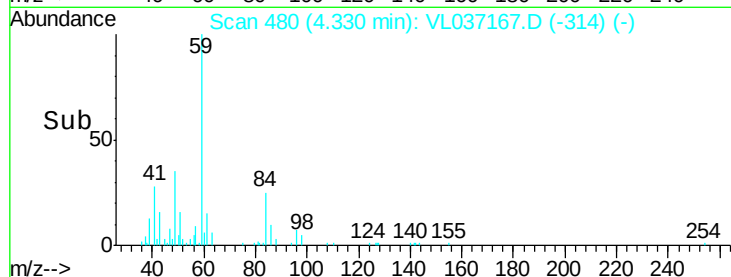
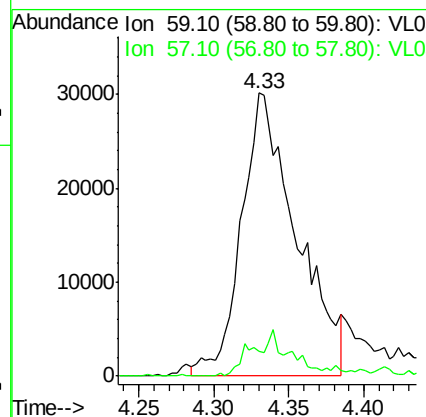
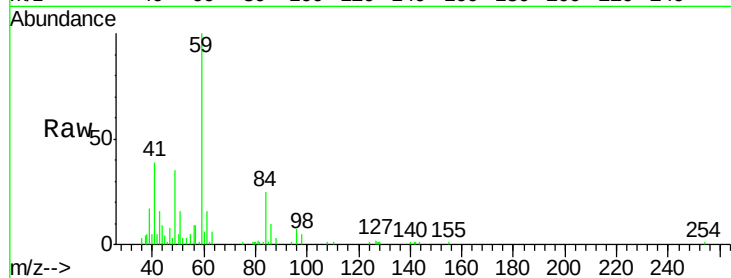
#17
 tert-Butyl alcohol
 Concen: 0.499 ppbv m
 RT: 4.33 min Scan# 480
 Delta R.T. 0.04 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 59 Resp: 76901
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

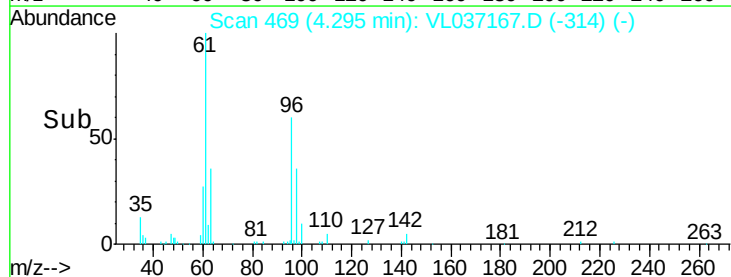
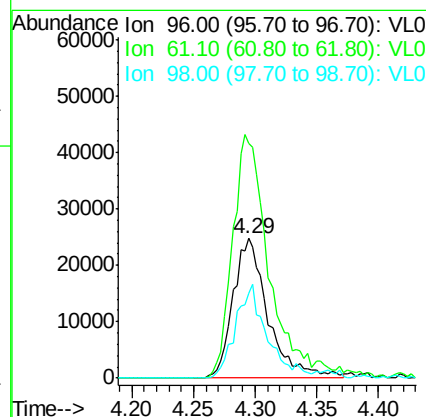
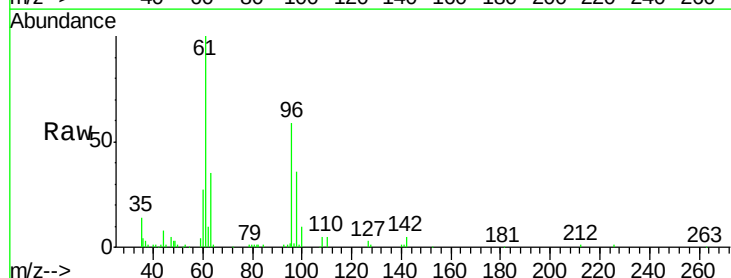
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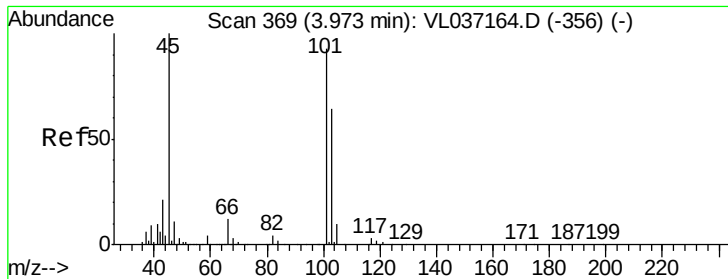
SAM
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#18
 1,1-Dichloroethene
 Concen: 0.589 ppbv m
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 96 Resp: 48994
 Ion Ratio Lower Upper
 96 100
 61 168.6 148.6 222.8
 98 60.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 0.534 ppbv m

RT: 4.00 min Scan# 378

Delta R.T. 0.03 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 52134

Ion Ratio Lower Upper

45 100

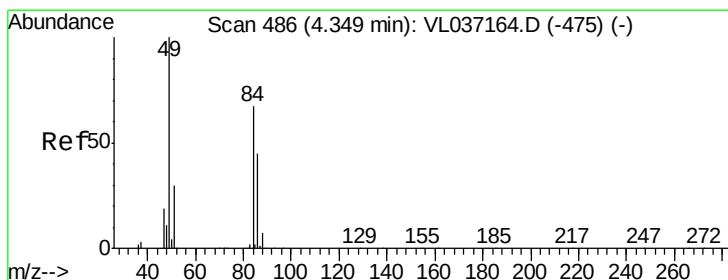
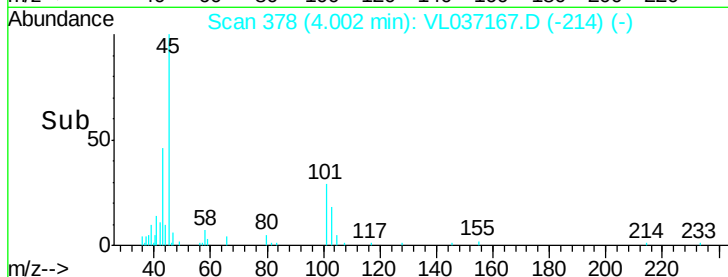
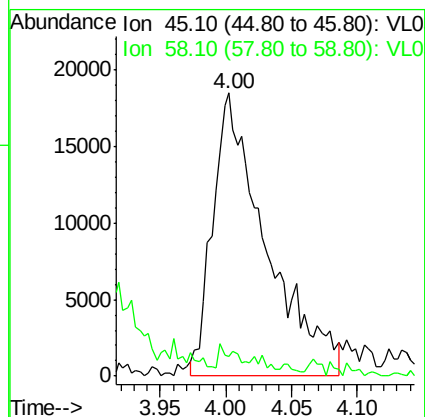
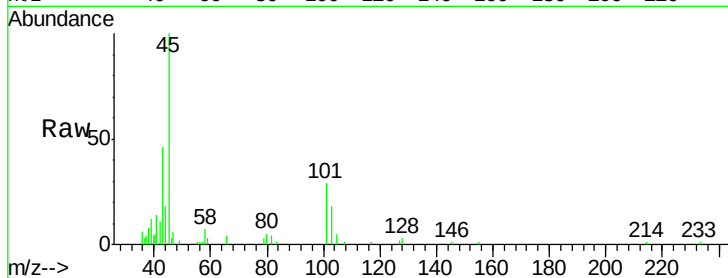
58 0.0 2.4 3.6#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.786 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion: 84 Resp: 60977

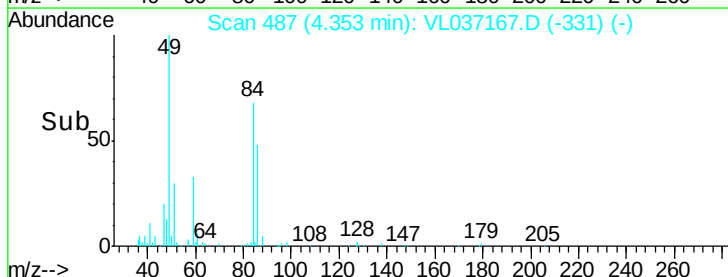
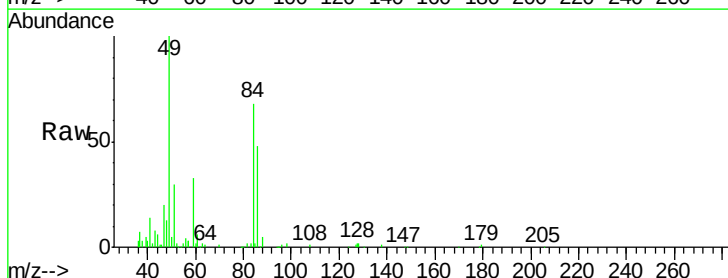
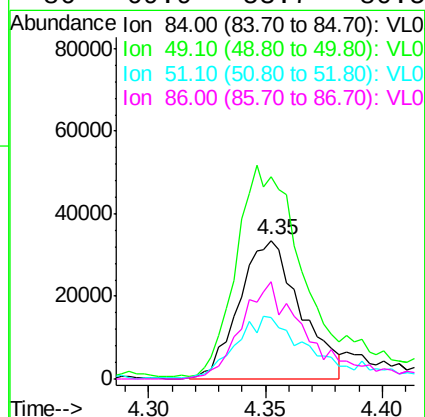
Ion Ratio Lower Upper

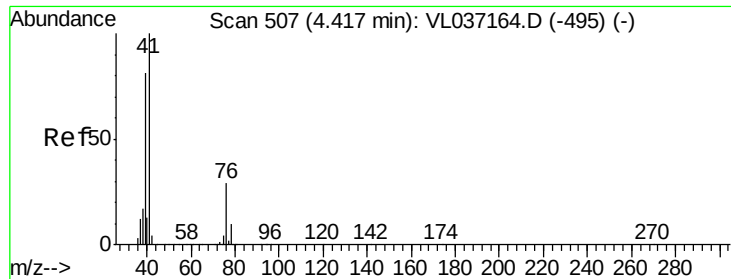
84 100

49 146.2 119.7 179.5

51 43.9 36.1 54.1

86 69.9 53.7 80.5





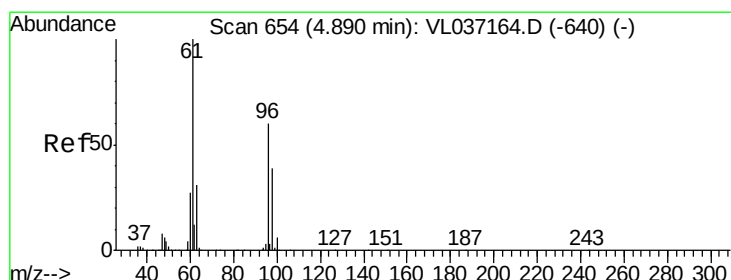
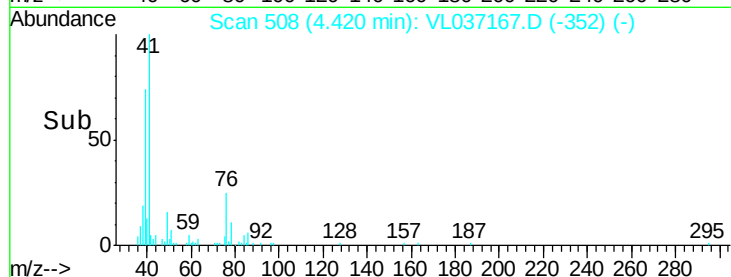
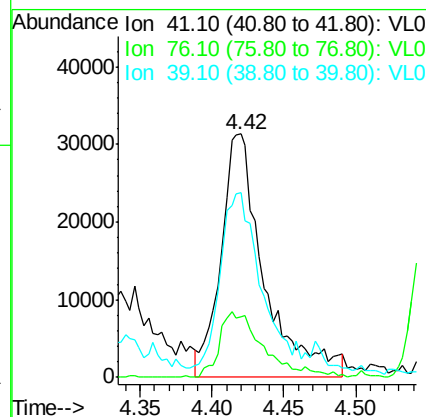
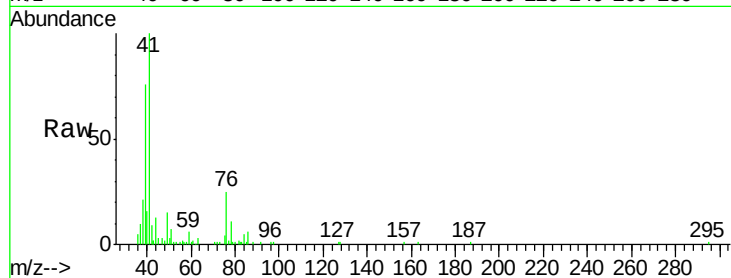
#21
Allvl Chloride
Concen: 0.555 ppbv m
RT: 4.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.3	24.6	37.0
39	82.6	65.4	98.0

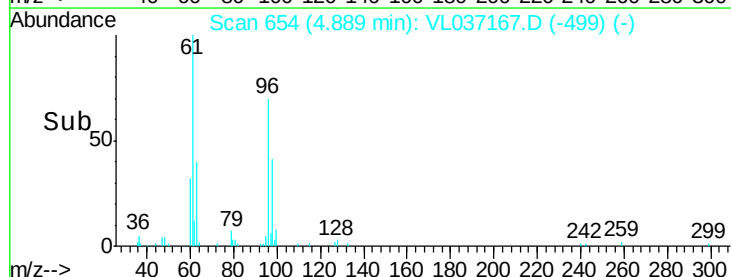
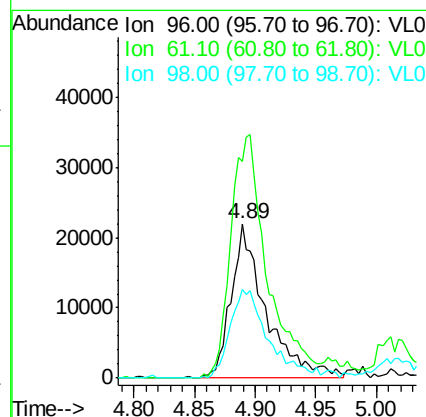
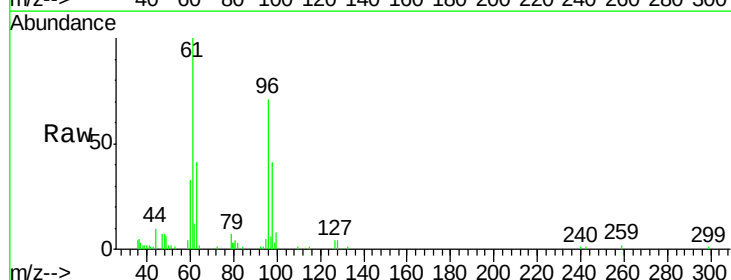
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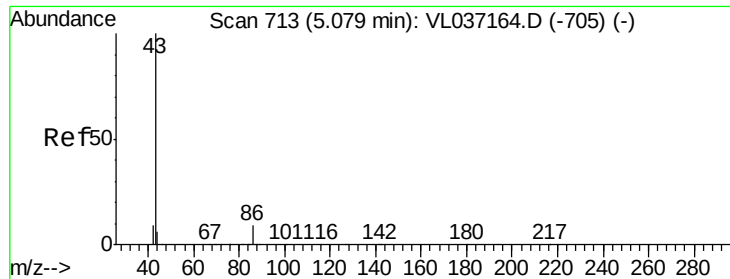
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#22
trans-1,2-Dichloroethene
Concen: 0.543 ppbv m
RT: 4.89 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	133.9	200.9
98	57.9	52.9	79.3





#23

Vinyl Acetate

Concen: 0.476 ppbv m

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

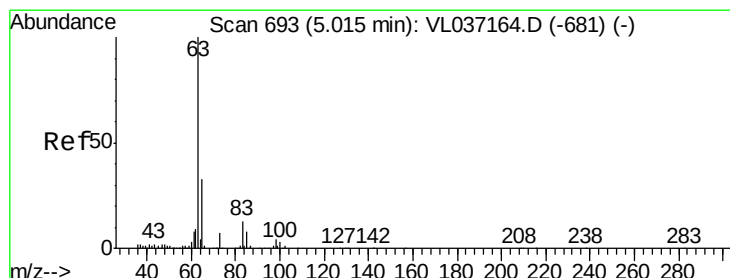
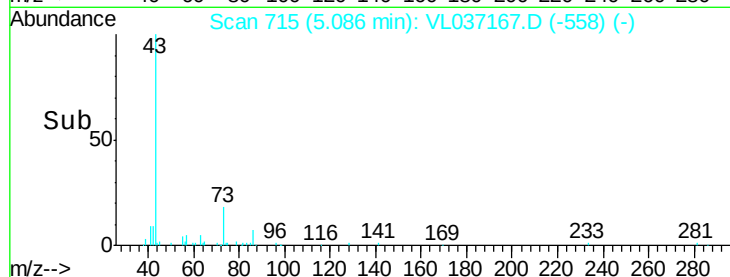
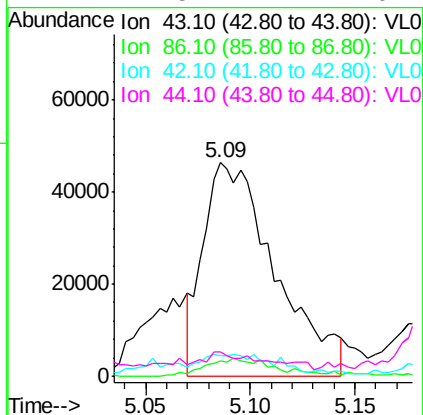
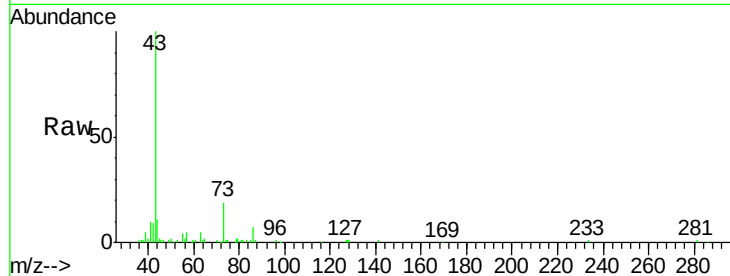
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	111199
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.8	8.8
42	9.4	8.2	12.2
44	11.5	4.2	6.4#

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#24

1,1-Dichloroethane

Concen: 0.548 ppbv

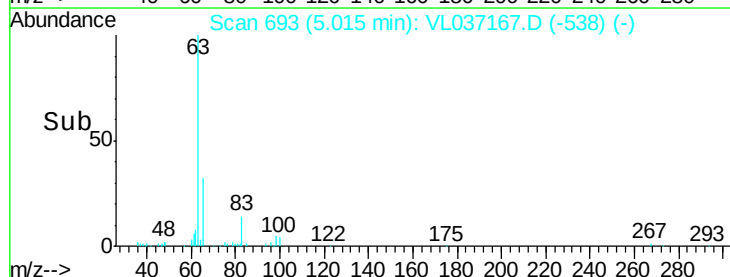
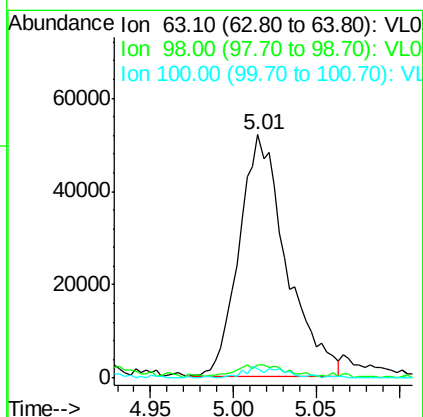
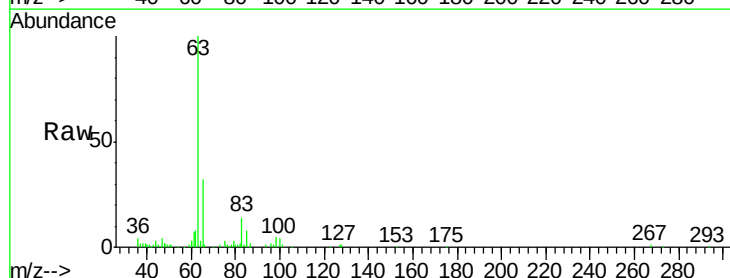
RT: 5.01 min Scan# 693

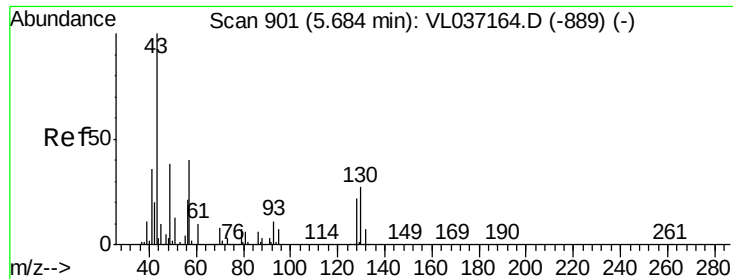
Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion	63	Resp	102716
Ion Ratio	Lower	Upper	
63	100		
98	4.7	2.1	6.5
100	3.2	1.4	4.0





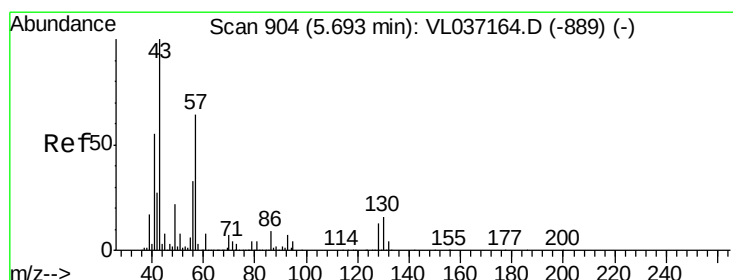
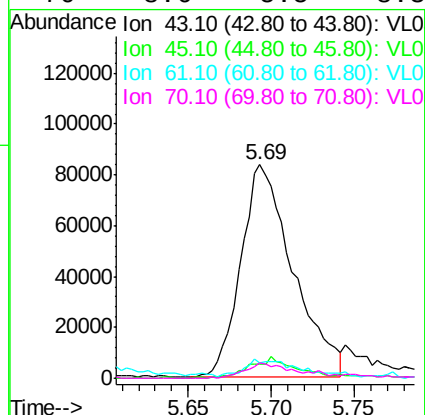
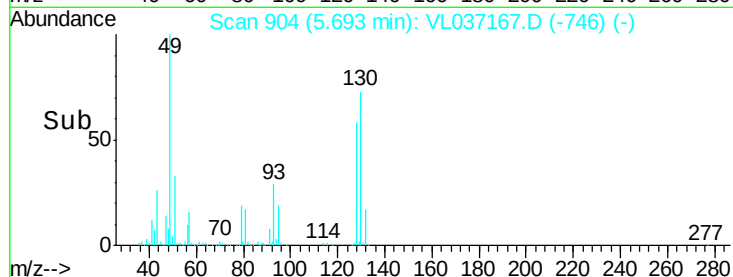
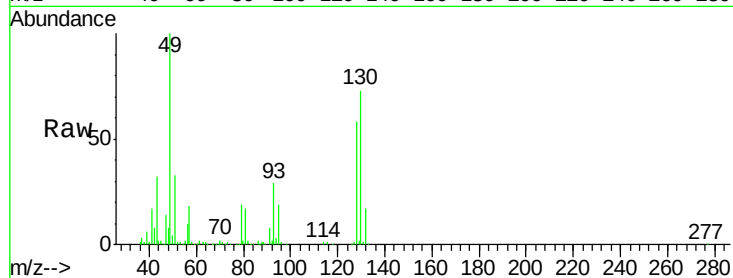
#25
Ethyl Acetate
Concen: 0.522 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	181861
Ion Ratio	Lower	Upper	
43	100		
45	10.6	8.0	12.0
61	10.5	8.1	12.1
70	8.6	5.5	8.3#

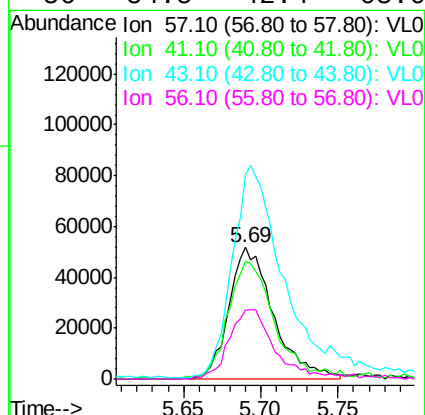
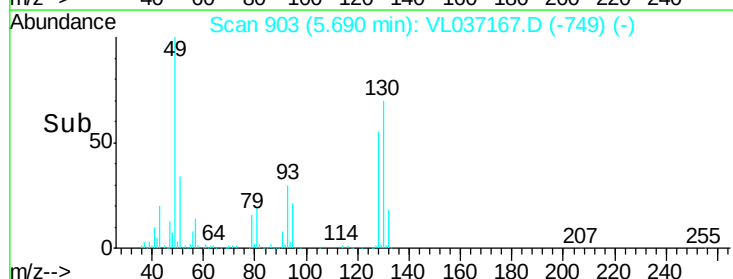
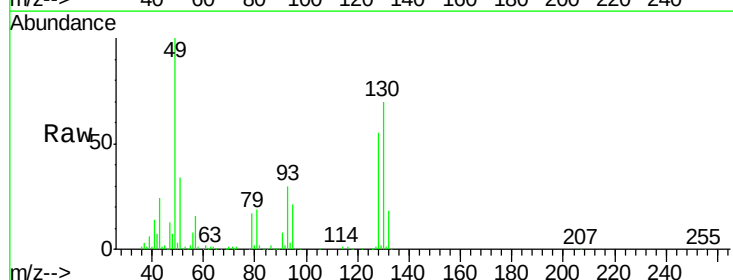
Manual Integrations
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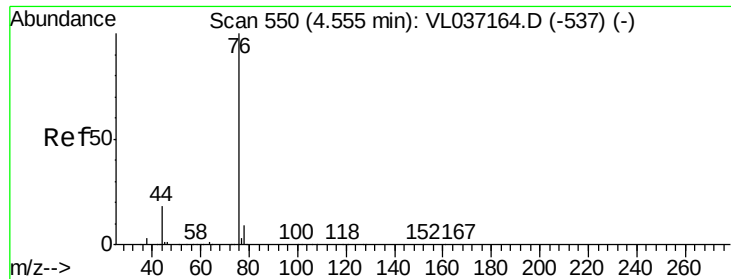
SAM
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#26
Hexane
Concen: 0.586 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	57	Resp	101671
Ion Ratio	Lower	Upper	
57	100		
41	99.2	73.5	110.3
43	203.9	170.7	256.1
56	54.5	42.4	63.6





#27

Carbon Disulfide

Concen: 0.453 ppbv m

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

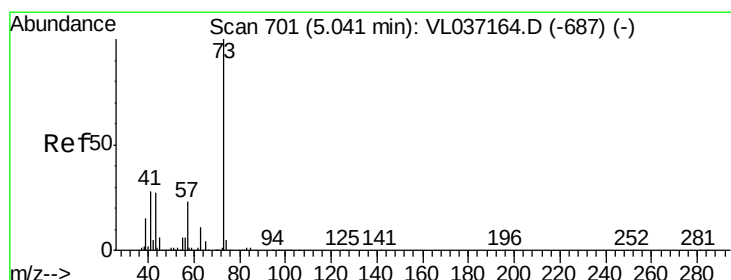
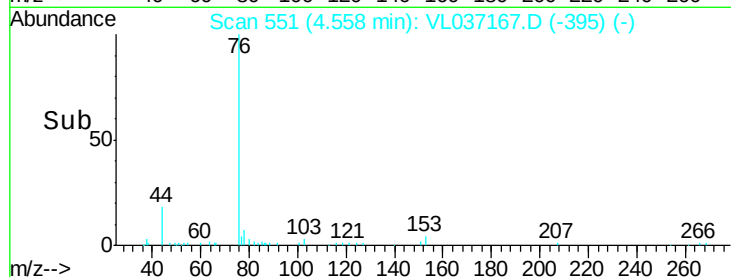
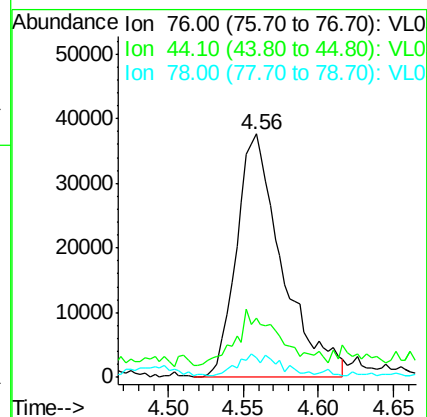
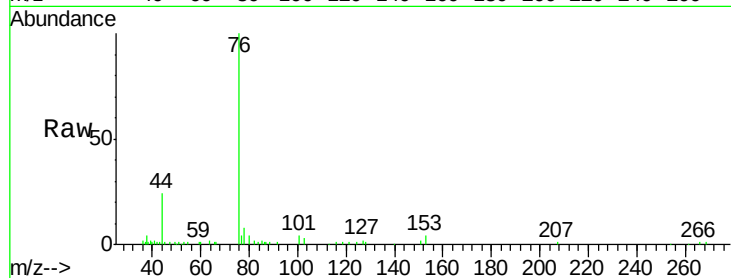
VSTDIC0.5

Tot Ion:	76	Resp:	79725
Ion	Ratio	Lower	Upper
76	100		
44	22.9	15.4	23.2
78	10.4	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.523 ppbv m

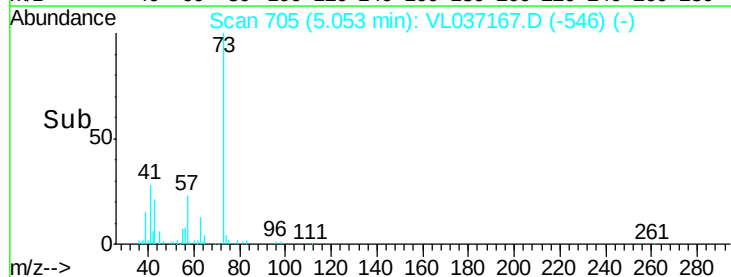
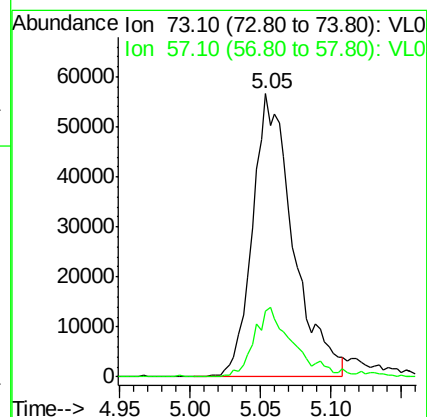
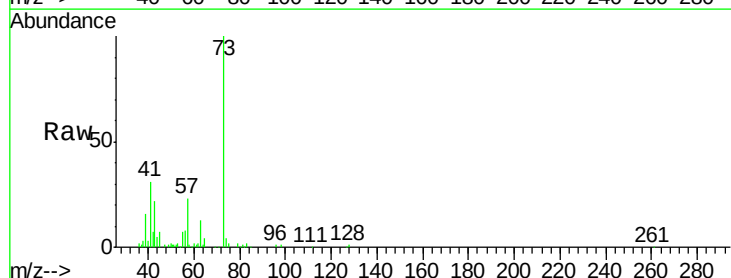
RT: 5.05 min Scan# 705

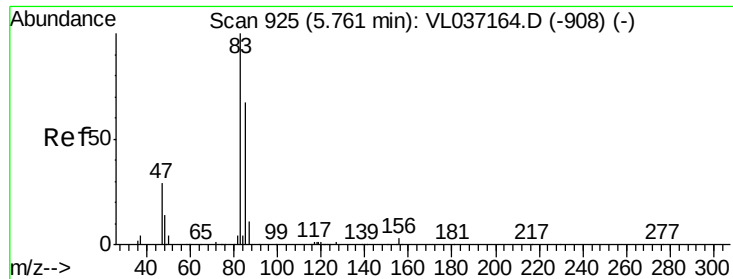
Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion:	73	Resp:	113636
Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.0	27.0#





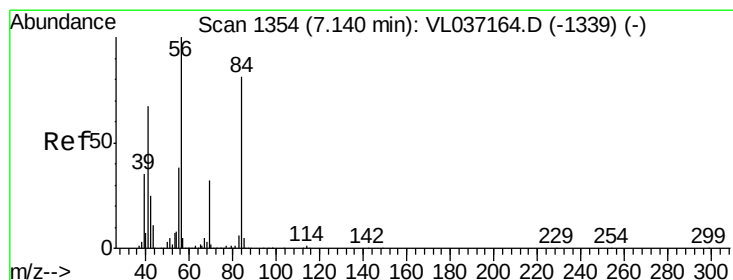
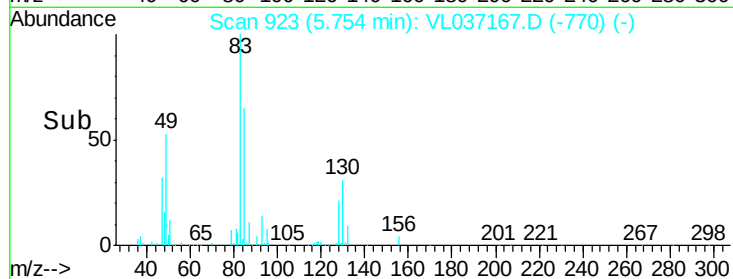
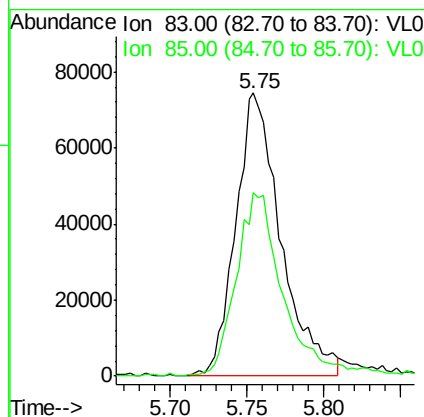
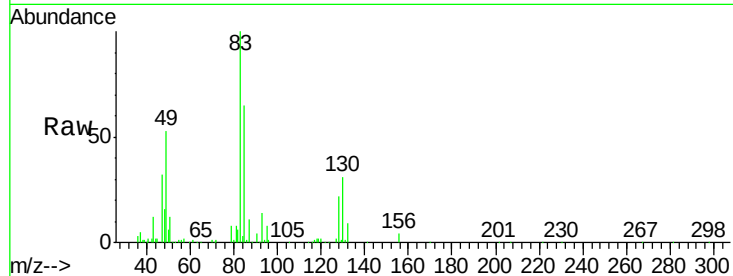
#29
Chloroform
Concen: 0.545 ppbv m
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	152542
Ion Ratio	100	Lower	Upper
85	64.8	53.6	80.4

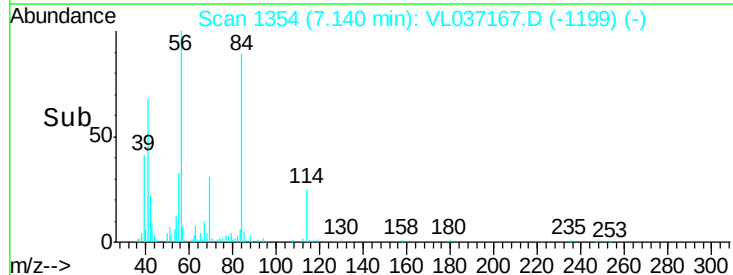
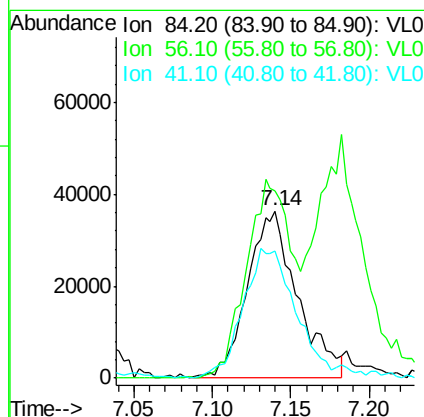
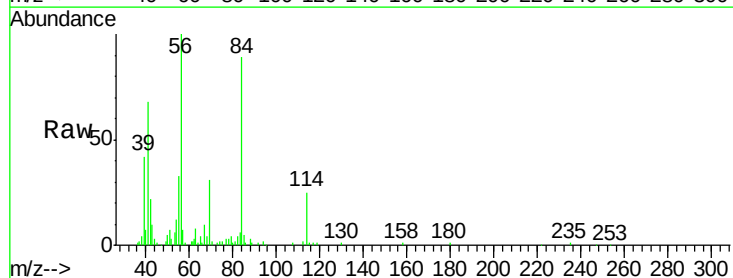
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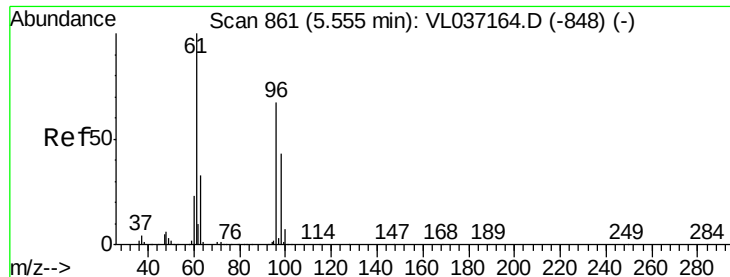
SAM
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#30
Cyclohexane
Concen: 0.536 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	84	Resp	80967
Ion Ratio	100	Lower	Upper
56	113.5	107.7	161.5
41	83.9	69.0	103.6





#31

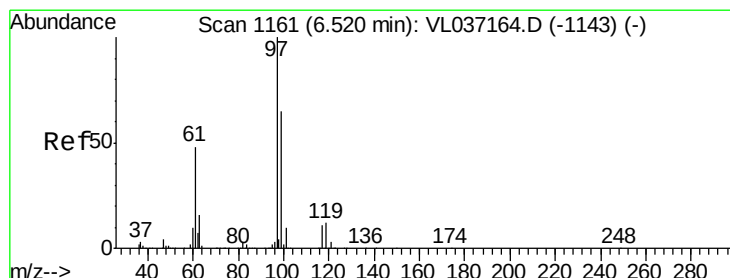
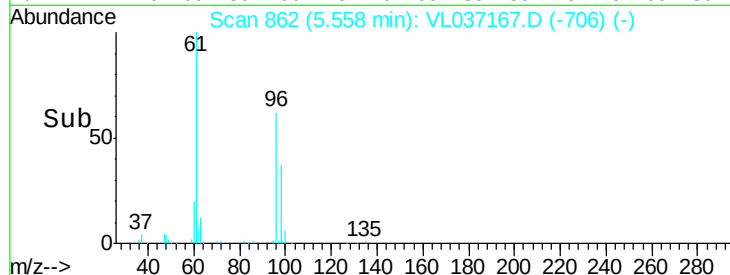
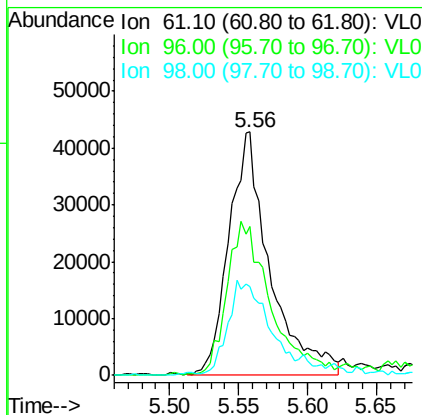
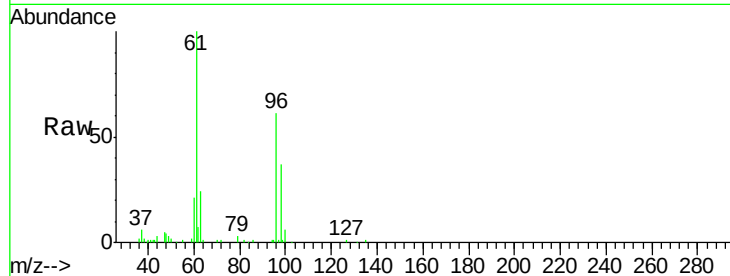
cis-1,2-Dichloroethene
Concen: 0.532 ppbv m
RT: 5.56 min Scan# 862
Delta R.T. 0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.3	53.6	80.4
98	36.7	34.7	52.1

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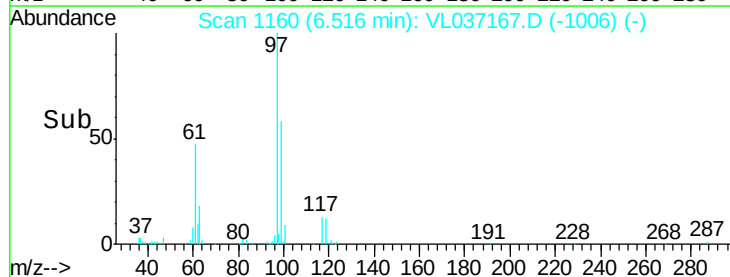
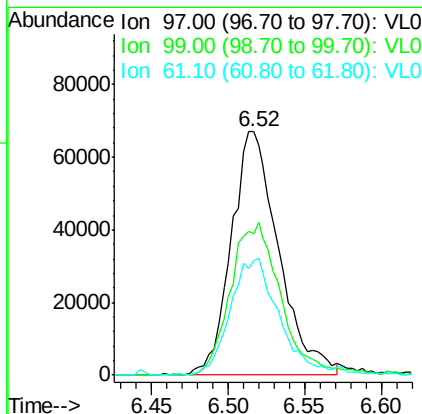
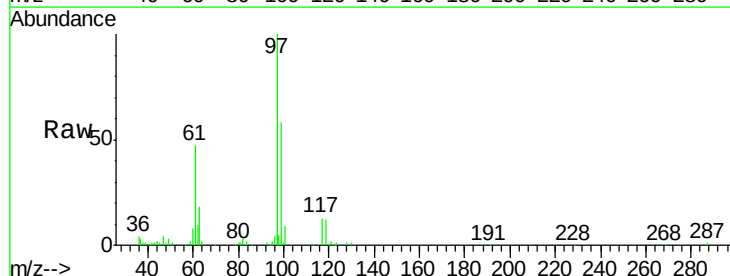
SAM
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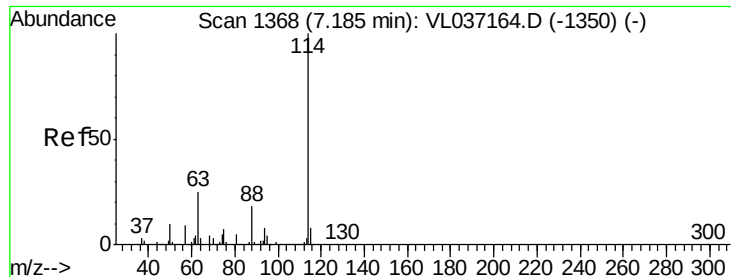


#32

1,1,1-Trichloroethane
Concen: 0.560 ppbv m
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	52.2	78.4
61	50.2	38.8	58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:114 Resp: 4412580

Ion Ratio Lower Upper

114 100

63 24.7 19.6 29.4

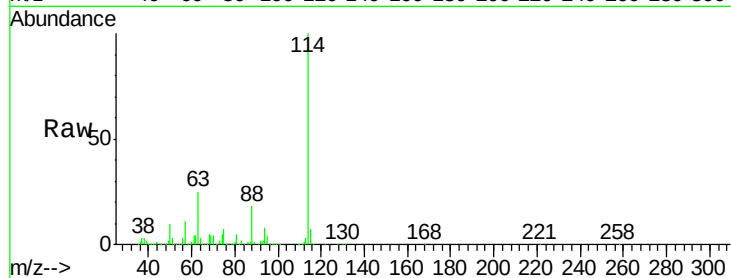
88 18.1 14.2 21.2

Manual Integrations

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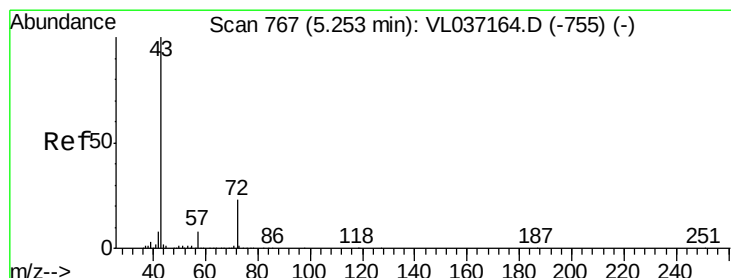
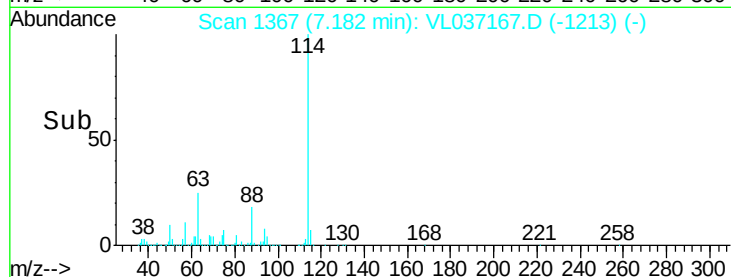
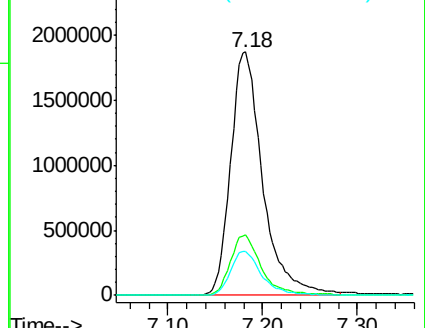
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.463 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.02 min

Lab File: VL037167.D

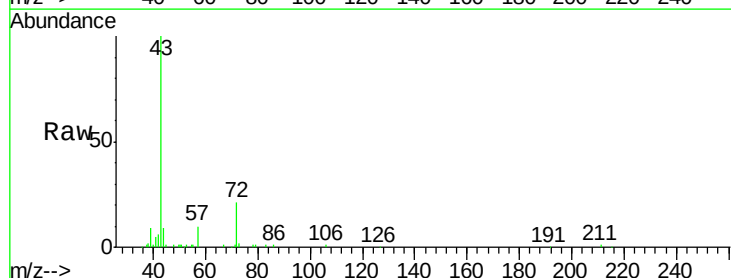
Acq: 16 Jun 2021 11:19

Tgt Ion: 43 Resp: 76762

Ion Ratio Lower Upper

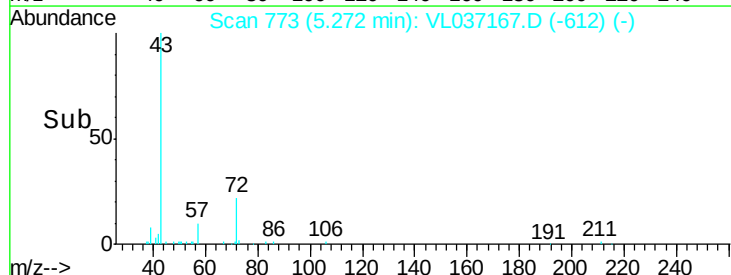
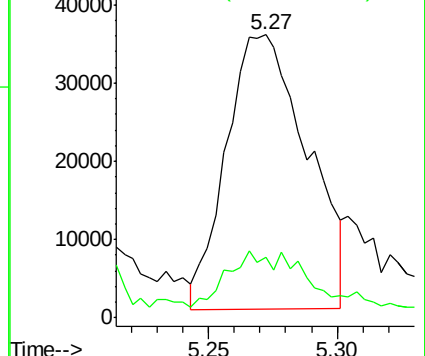
43 100

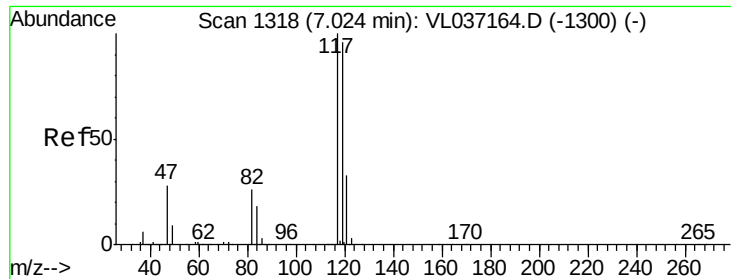
72 30.1 18.9 28.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.527 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

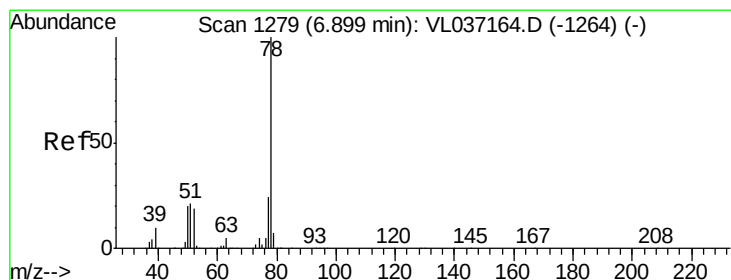
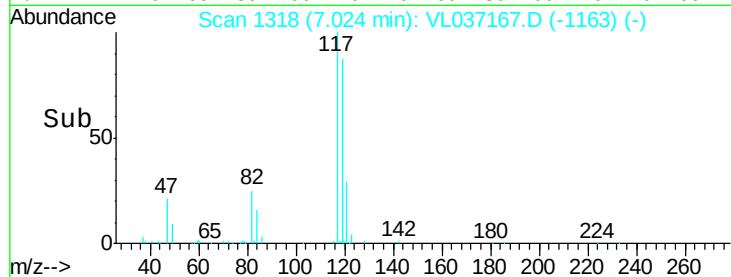
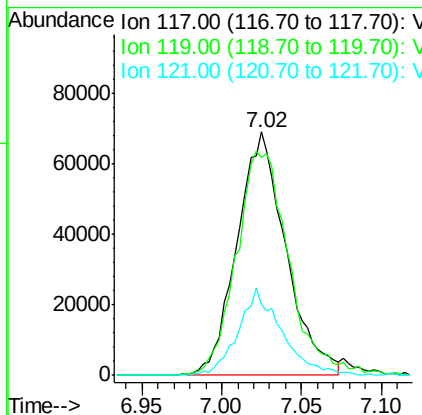
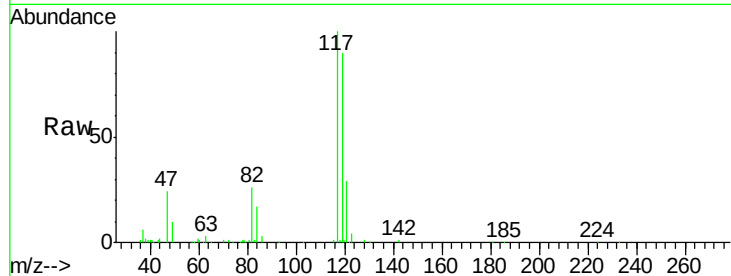
VSTDIC0.5

Tot Ion:	117	Resp:	143077
Ion Ratio	Lower	Upper	
117	100		
119	89.2	76.6	114.8
121	29.2	26.4	39.6

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#36

Benzene

Concen: 0.537 ppbv

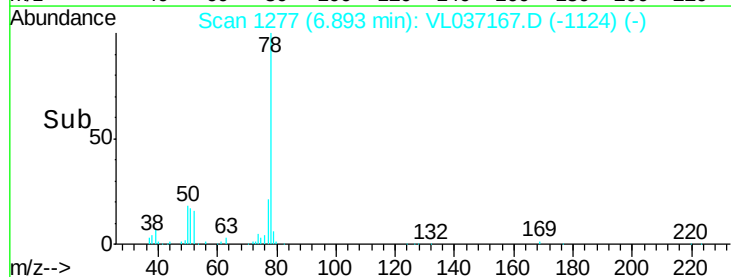
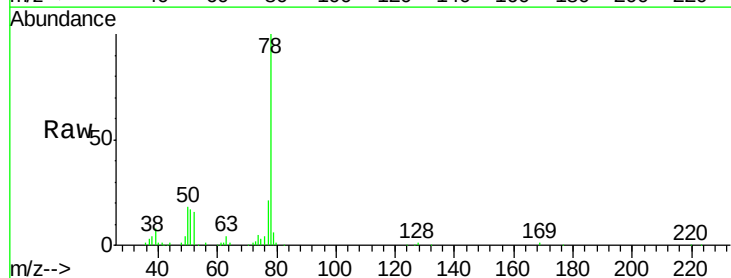
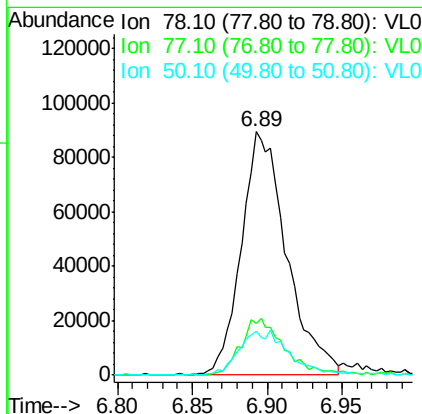
RT: 6.89 min Scan# 1277

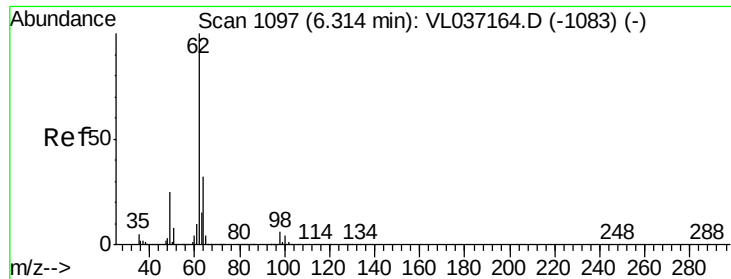
Delta R.T. -0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion:	78	Resp:	188086
Ion Ratio	Lower	Upper	
78	100		
77	21.1	19.0	28.6
50	18.0	15.7	23.5





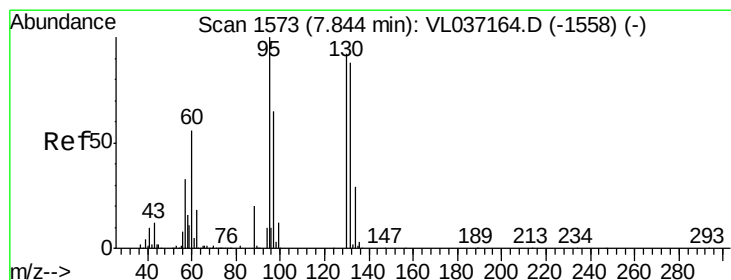
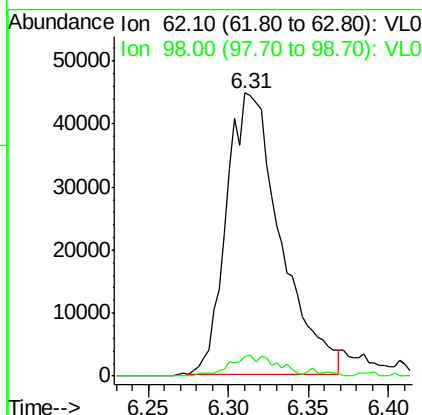
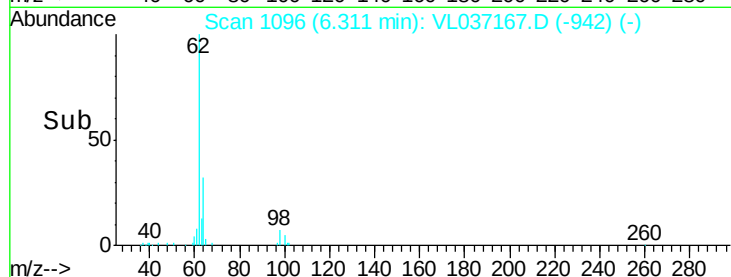
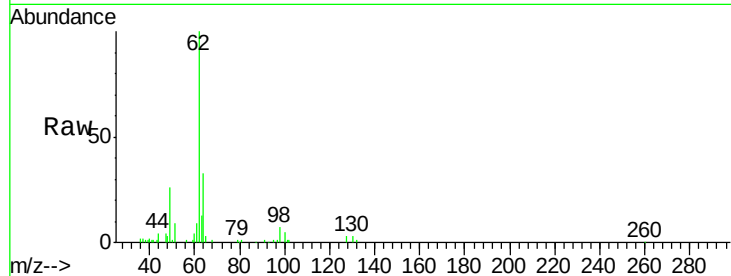
#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	103366		
98	7.2	5.0	7.6	

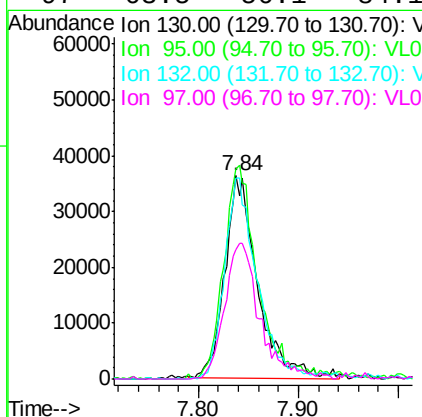
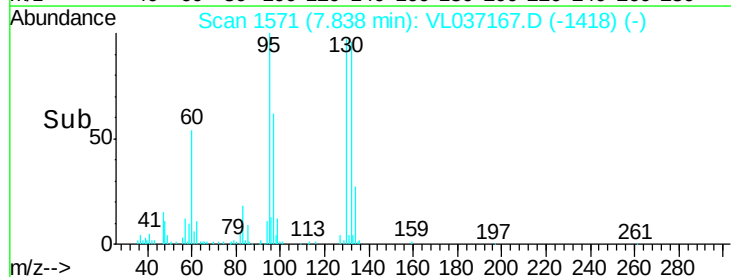
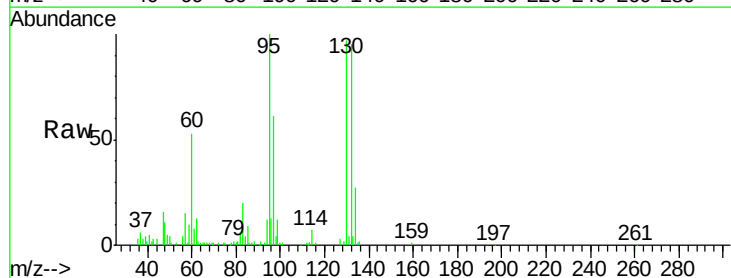
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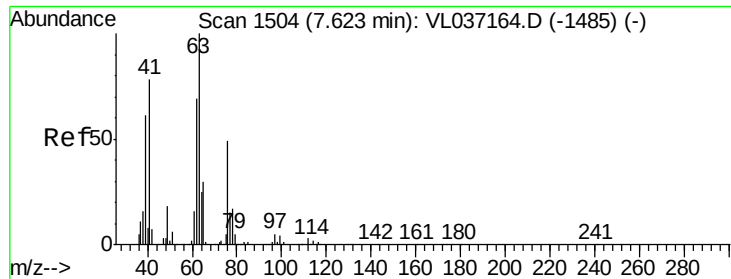
SAM
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#38
 Trichloroethene
 Concen: 0.542 ppbv m
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	81970		
95	103.5	86.6	129.8	
132	98.7	76.6	114.8	
97	63.5	56.1	84.1	





#39

1,2-Dichloropropane

Concen: 0.451 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

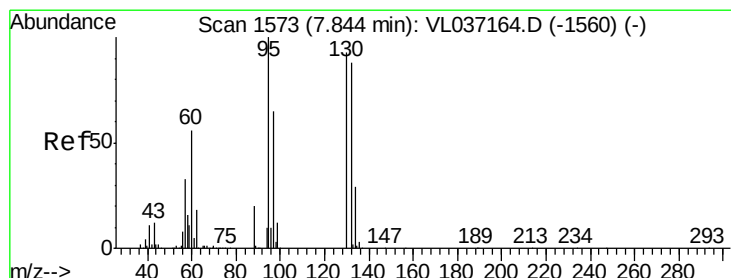
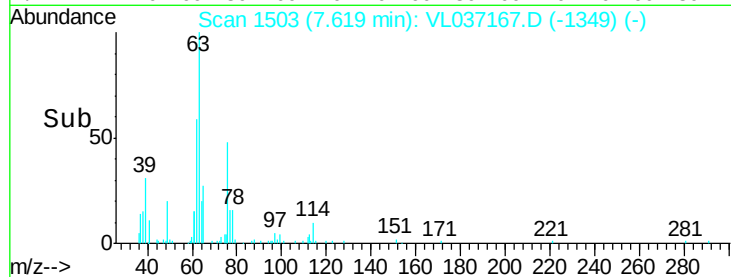
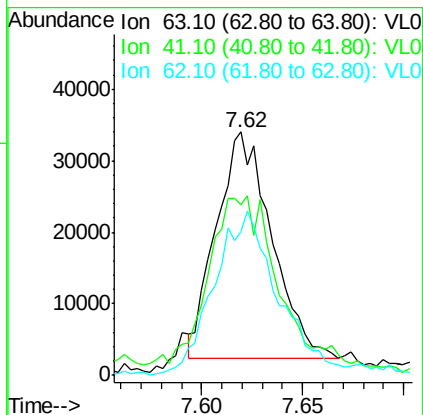
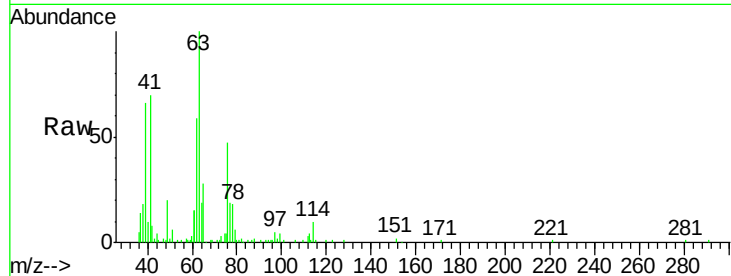
VSTDIC0.5

Tot Ion:	63	Resp:	60237
Ion Ratio	Lower	Upper	
63	100		
41	66.3	62.0	93.0
62	58.7	54.9	82.3

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.475 ppbv m

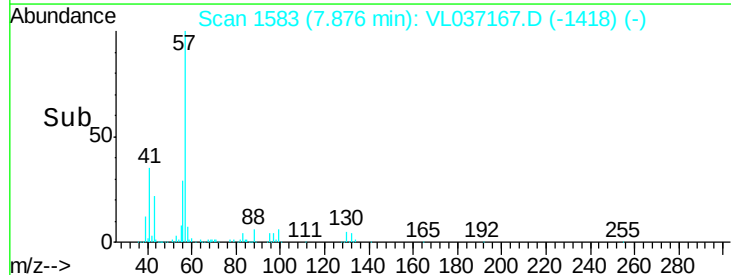
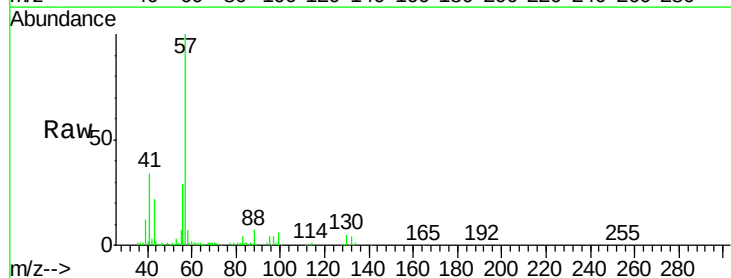
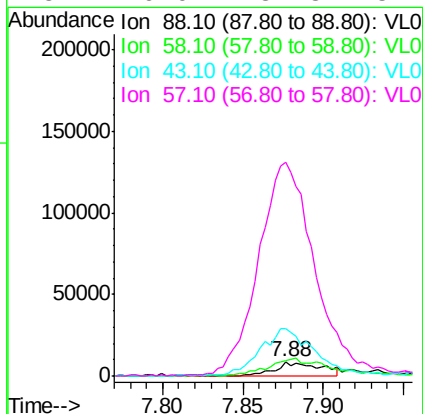
RT: 7.88 min Scan# 1583

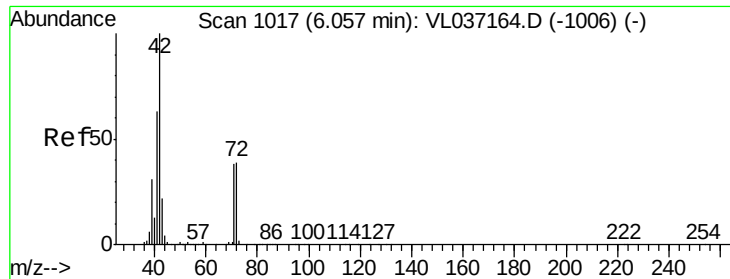
Delta R.T. 0.03 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion:	88	Resp:	17763
Ion Ratio	Lower	Upper	
88	100		
58	0.0	118.4	177.6#
43	0.0	284.0	426.0#
57	0.0	1231.8	1847.6#





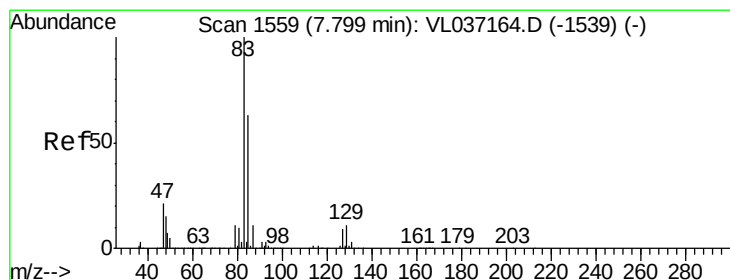
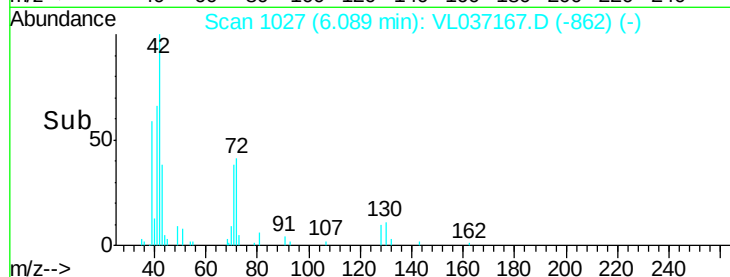
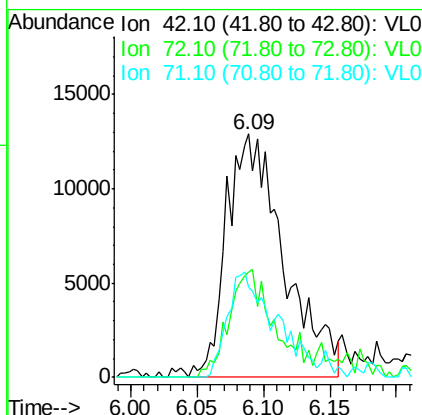
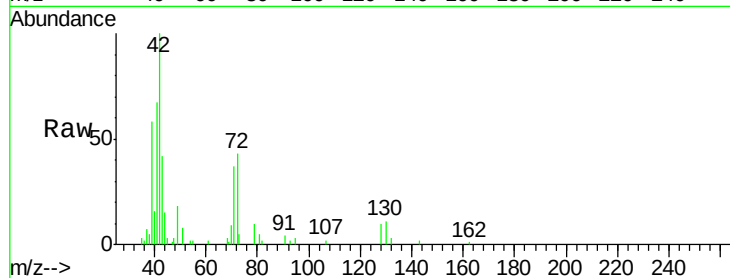
#41
Tetrahydrofuran
Concen: 0.482 ppbv m
RT: 6.09 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.4#
71	0.0	31.0	46.6#

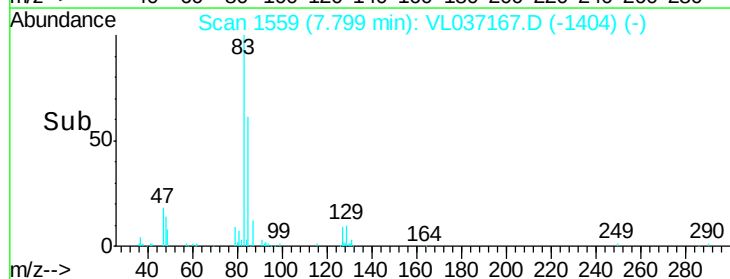
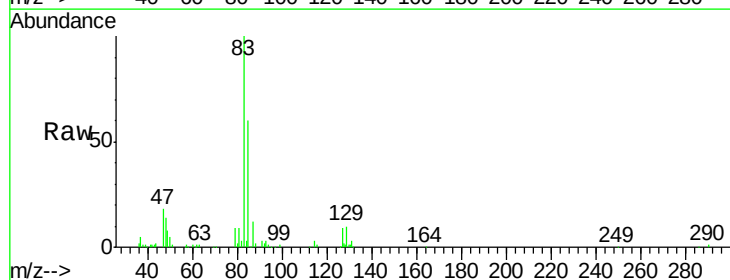
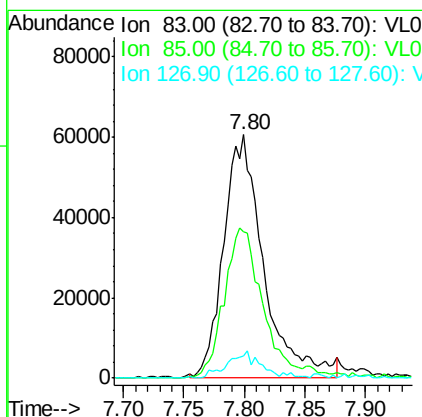
Manual Integrations
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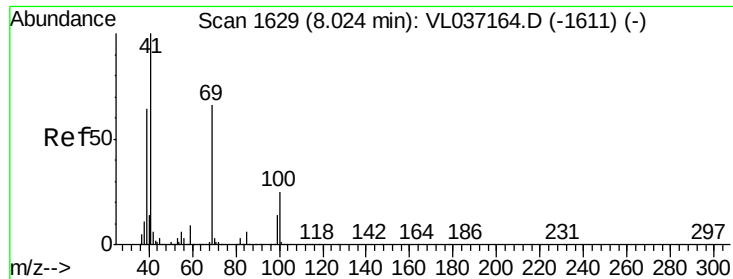
SAM
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#42
Bromodichloromethane
Concen: 0.502 ppbv m
RT: 7.80 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	50.8	76.2
127	9.3	7.0	10.6





#43

Methyl Methacrylate

Concen: 0.469 ppbv m

RT: 8.03 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VL037167.D

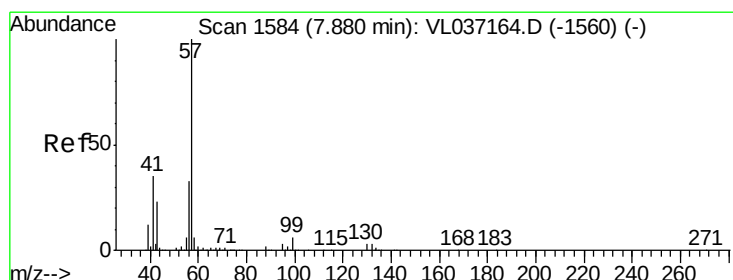
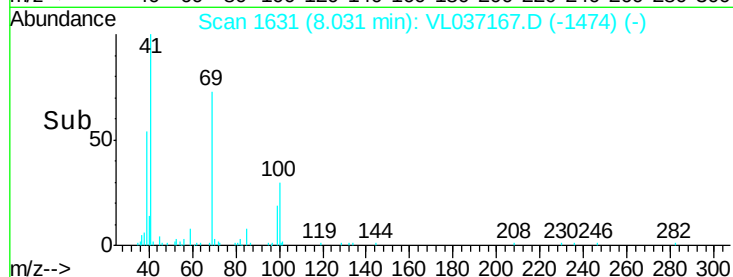
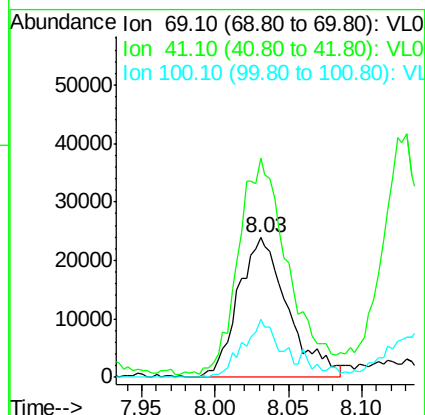
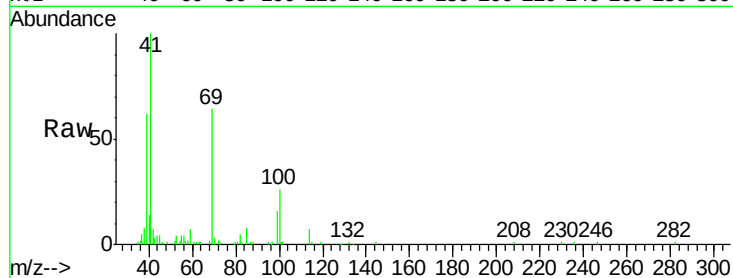
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	154.7	119.4	179.0	
100	37.9	28.6	43.0	

Manual Integrations
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SAM
6/17/2021 5:41:06 PM



#44

2,2,4-Trimethylpentane

Concen: 0.531 ppbv

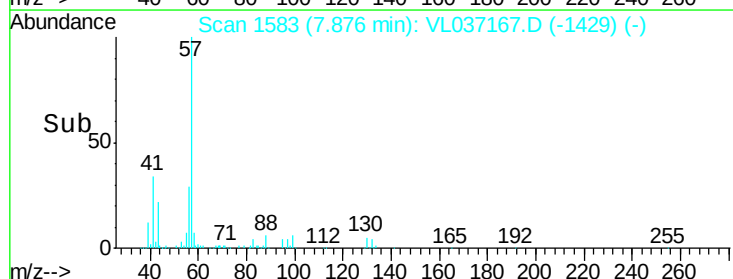
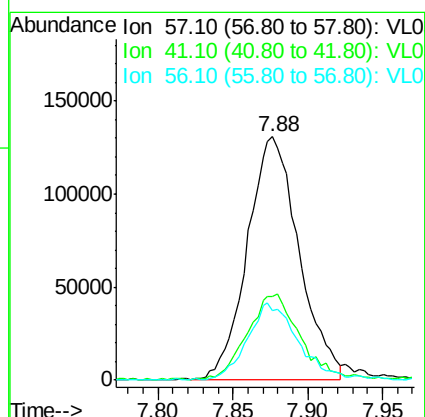
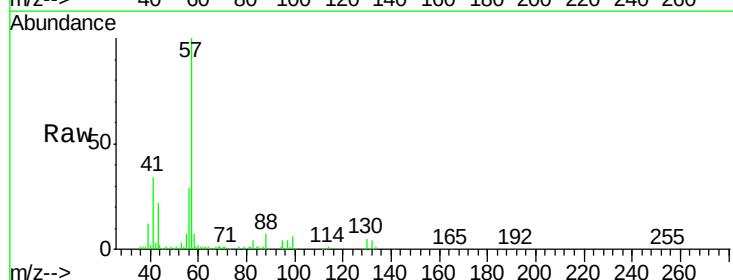
RT: 7.88 min Scan# 1583

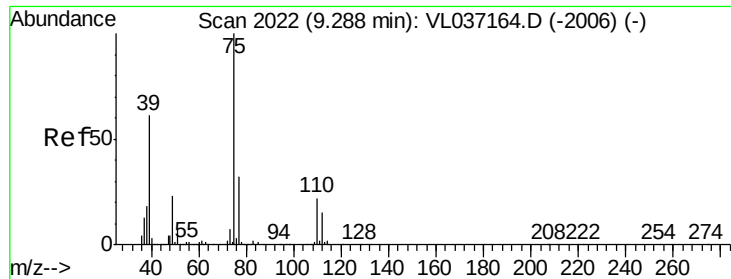
Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.6	27.6	41.4	
56	32.0	25.3	37.9	





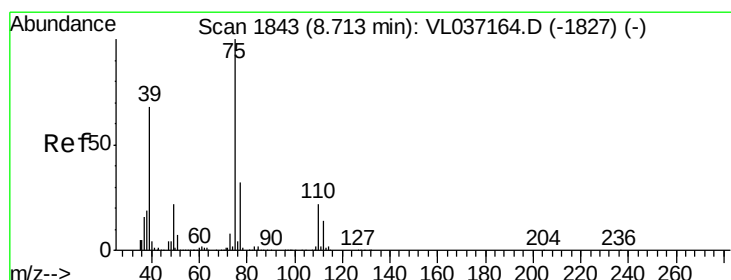
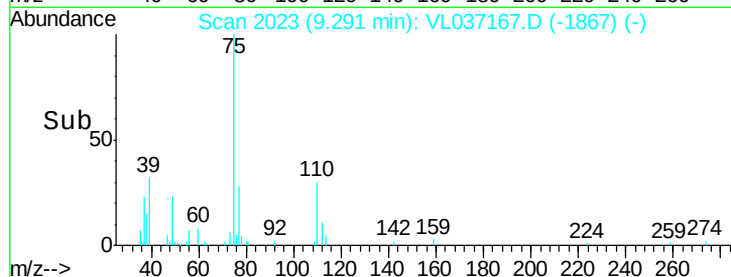
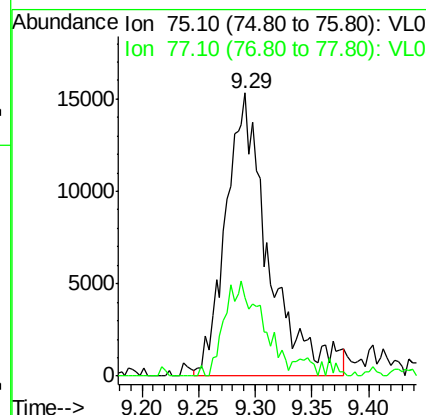
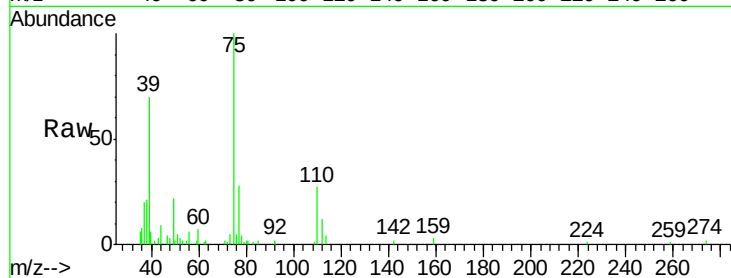
#45
t-1,3-Dichloropropene
Concen: 0.374 ppbv m
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.9	25.6	38.4

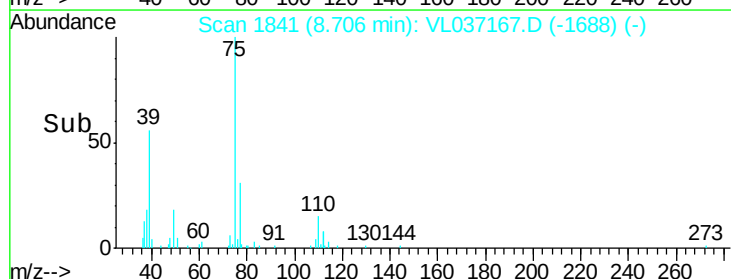
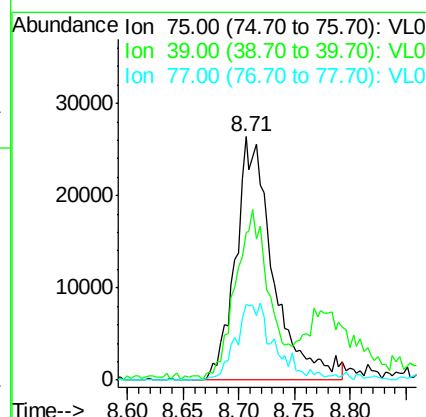
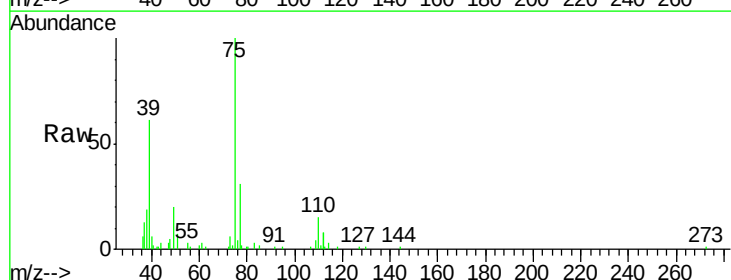
Manual Integrations
APPROVED

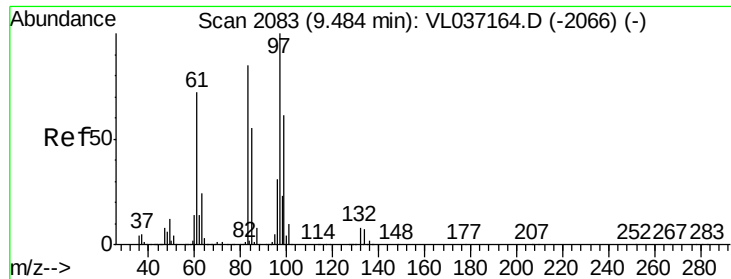
SAM
6/17/2021 5:41:06 PM



#46
cis-1,3-Dichloropropene
Concen: 0.430 ppbv m
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
39	60.6	54.7	82.1
77	31.3	25.8	38.8





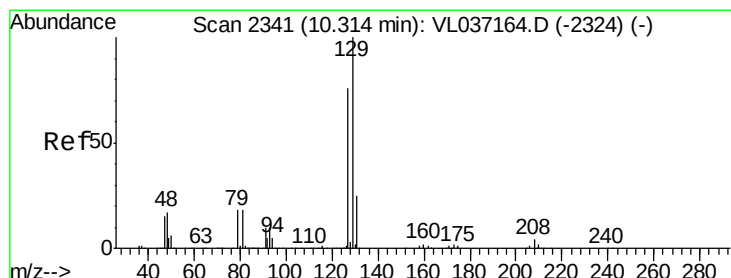
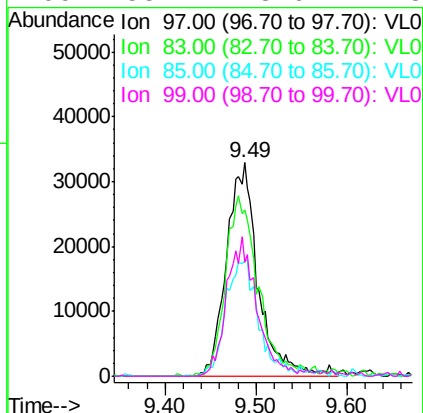
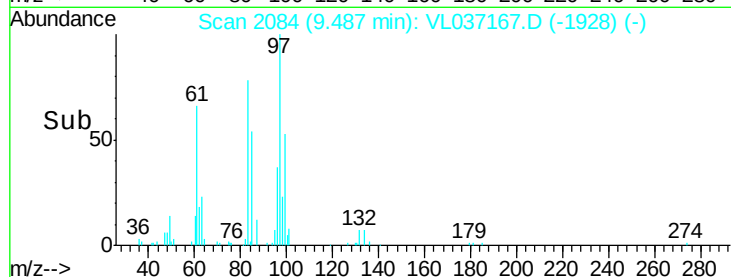
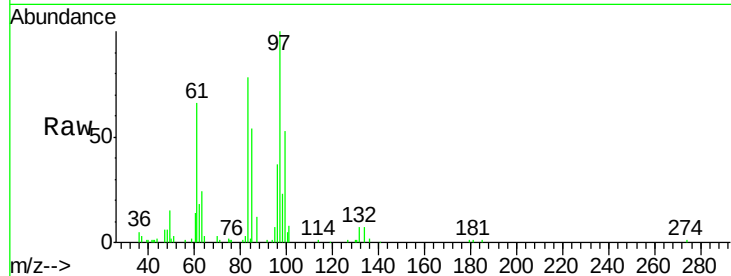
#47
 1,1,2-Trichloroethane
 Concen: 0.525 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.9	68.3	102.5
85	54.2	44.1	66.1
99	53.2	48.6	72.8

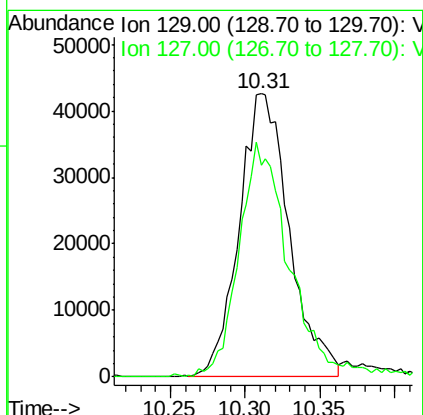
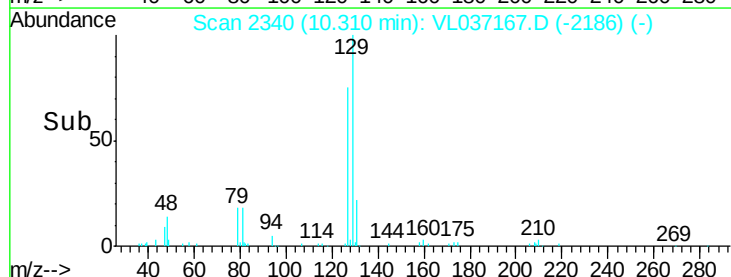
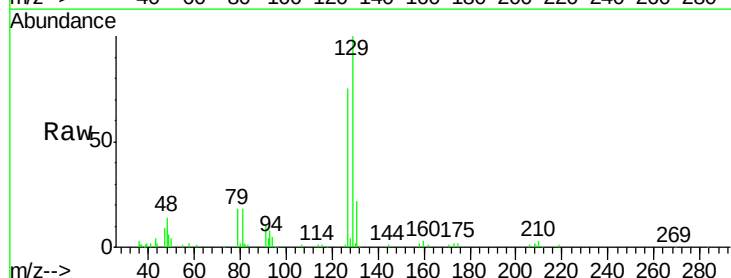
Manual Integrations
 APPROVED

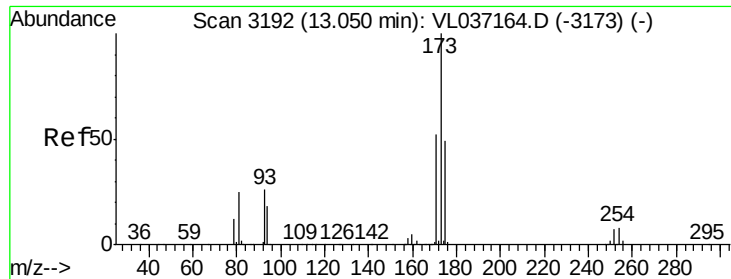
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#48
 Dibromochloromethane
 Concen: 0.407 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	85.0	39.1	117.2





#49

Bromoform

Concen: 0.343 ppbv m

RT: 13.05 min Scan# 3191

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

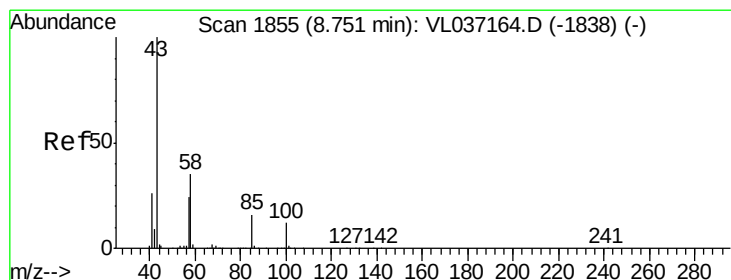
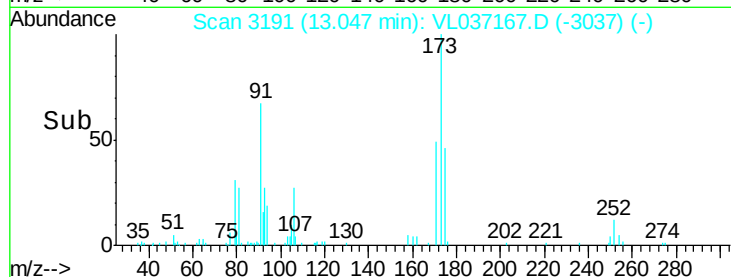
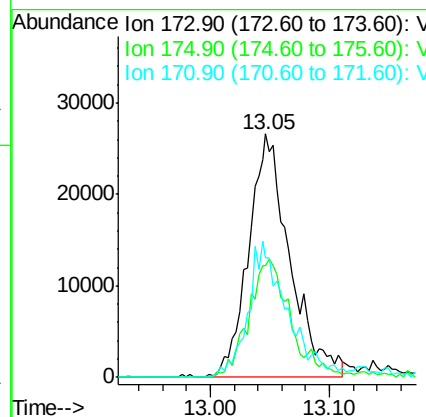
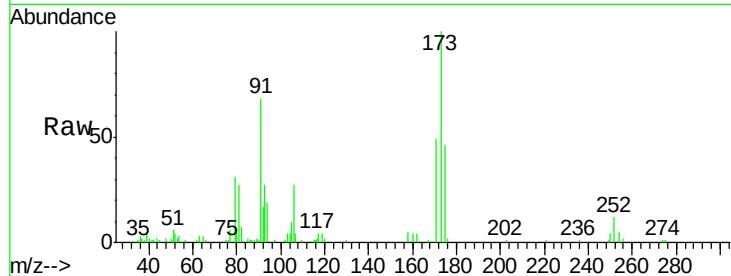
VSTDIC0.5

Tot Ion:	173	Resp:	65576
Ion	Ratio	Lower	Upper
173	100		
175	50.9	40.2	60.4
171	55.7	41.8	62.8

Manual Integrations
APPROVED

SAM

6/17/2021 5:41:06 PM



#50

4-Methyl-2-Pentanone

Concen: 0.467 ppbv m

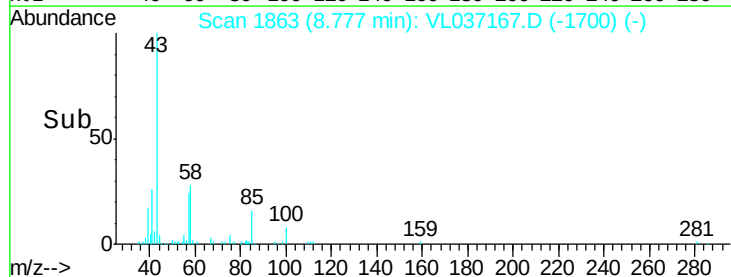
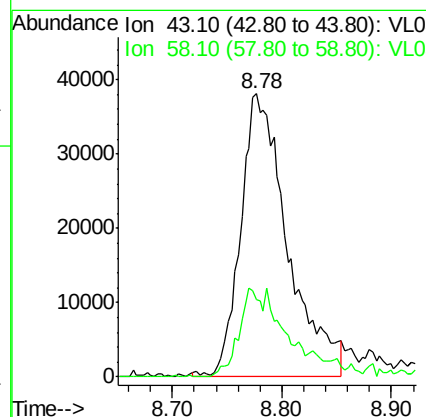
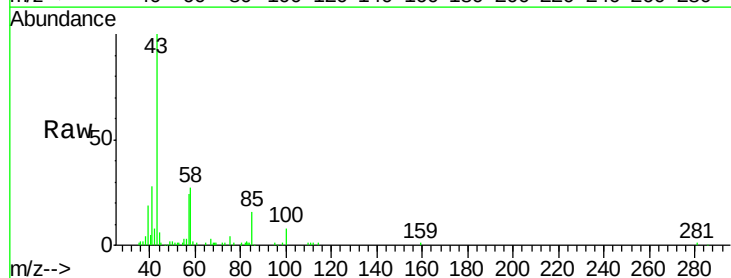
RT: 8.78 min Scan# 1863

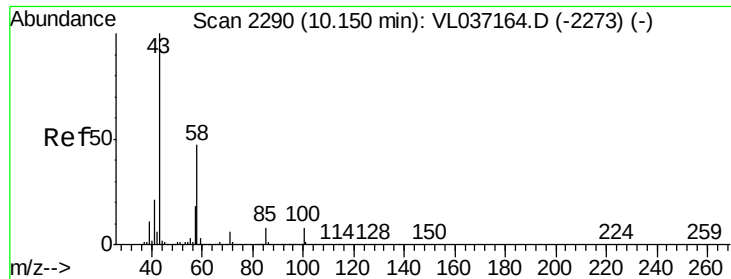
Delta R.T. 0.03 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Tgt Ion:	43	Resp:	113863
Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.4	42.6





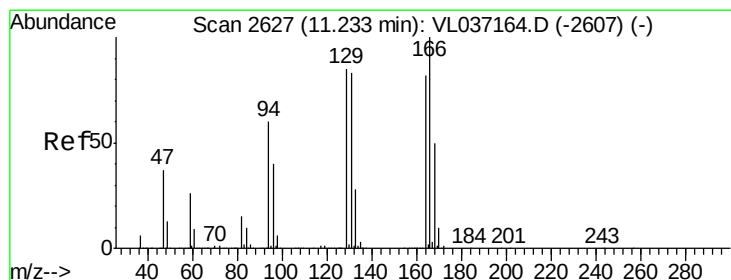
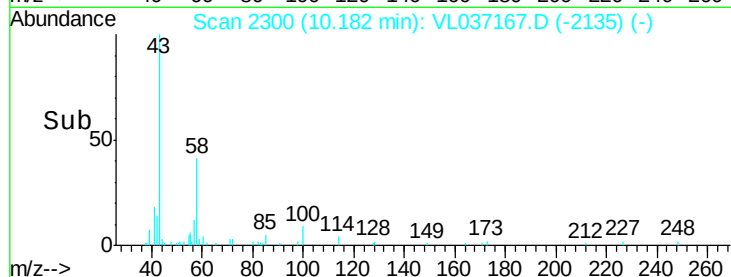
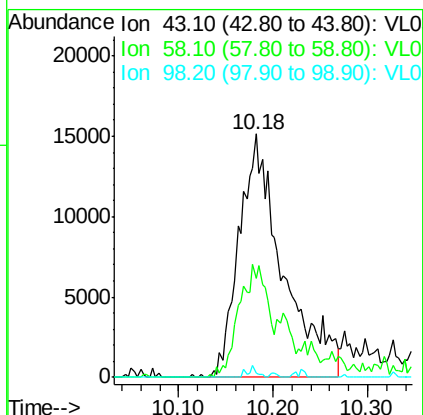
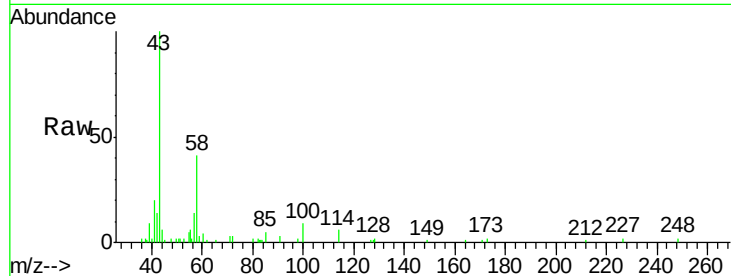
#51
2-Hexanone
Concen: 0.400 ppbv m
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.4	57.6
98	0.9	0.3	0.5#

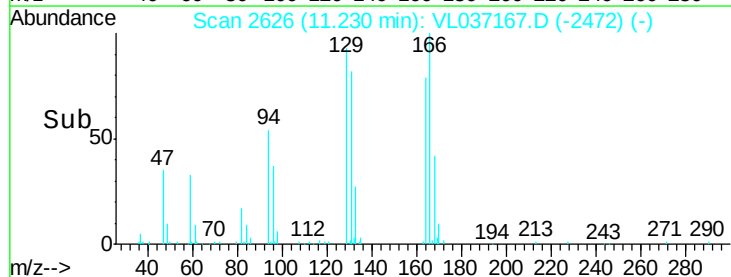
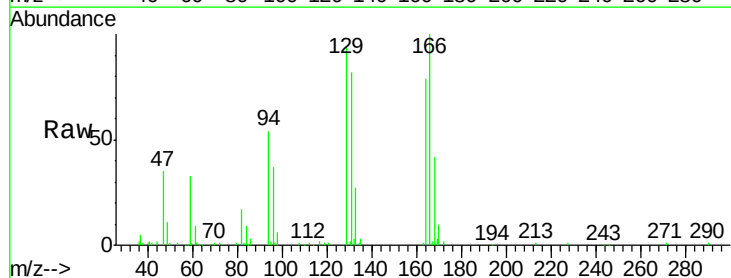
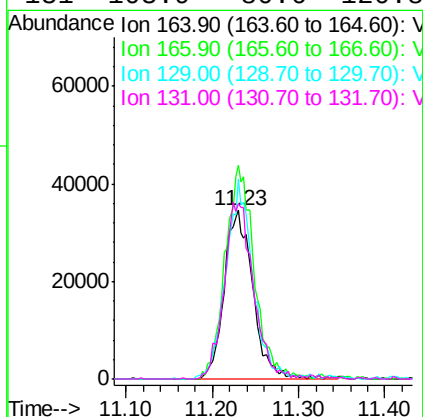
Manual Integrations
APPROVED

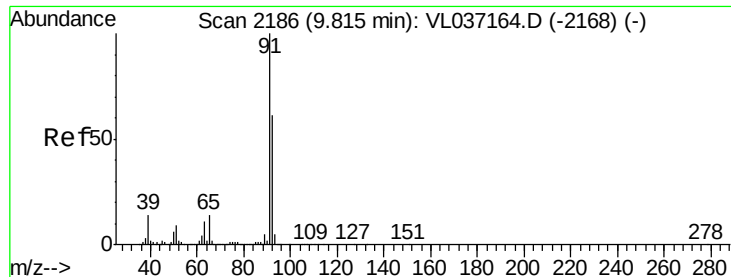
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#52
Tetrachloroethene
Concen: 0.549 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	97.6	146.4
129	118.3	82.9	124.3
131	103.9	80.6	120.8





#53

Toluene

Concen: 0.519 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 216200

Ion Ratio Lower Upper

91 100

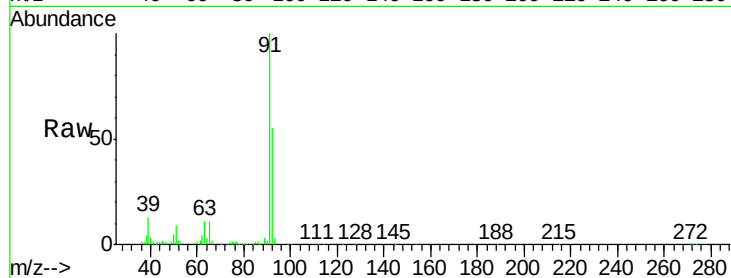
92 59.6 48.3 72.5

Manual Integrations

APPROVED

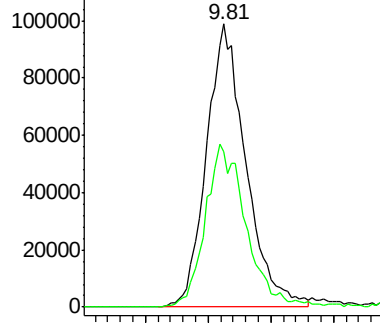
SAM

6/17/2021 5:41:06 PM

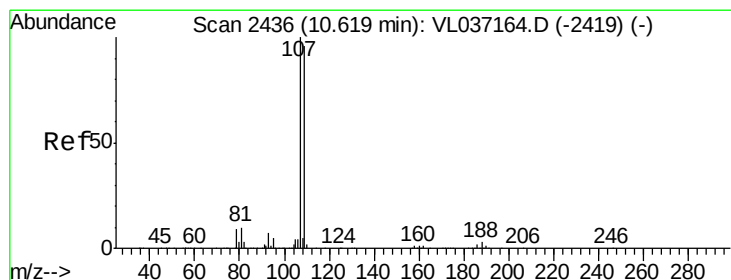
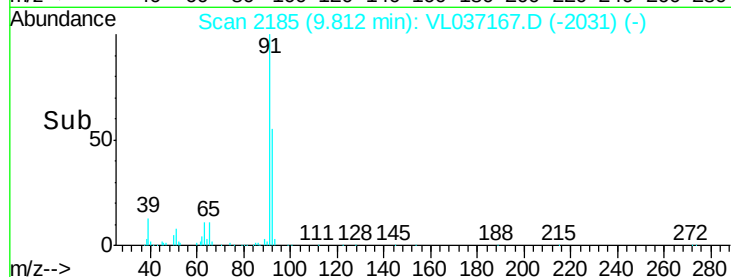


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 0.477 ppbv m

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL037167.D

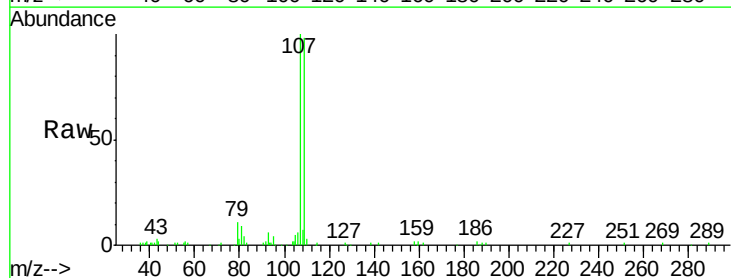
Acq: 16 Jun 2021 11:19

Tgt Ion: 107 Resp: 105812

Ion Ratio Lower Upper

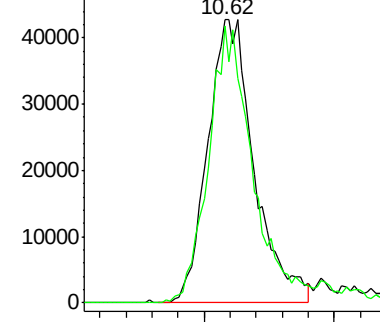
107 100

109 98.0 77.0 115.6

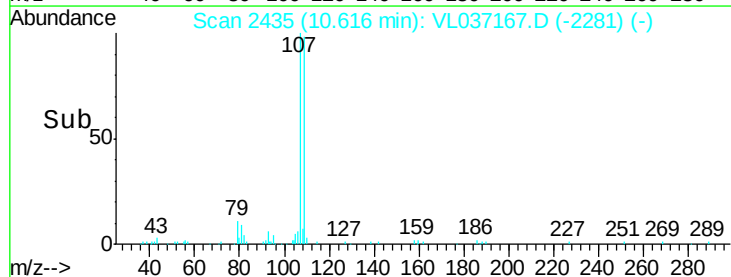


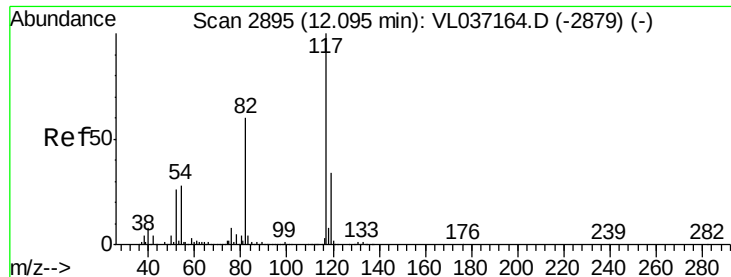
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





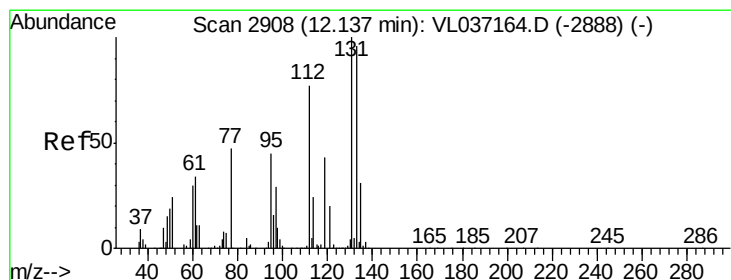
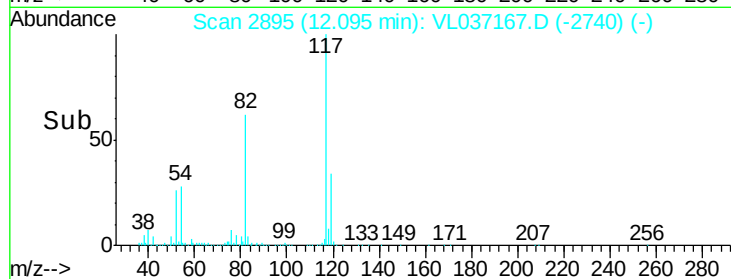
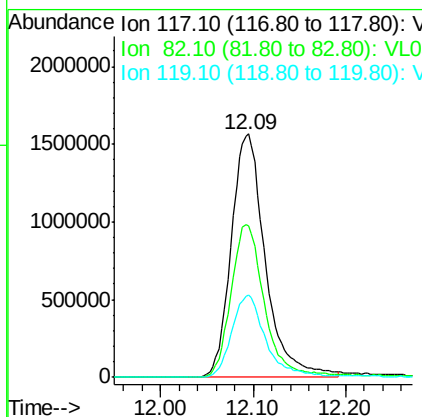
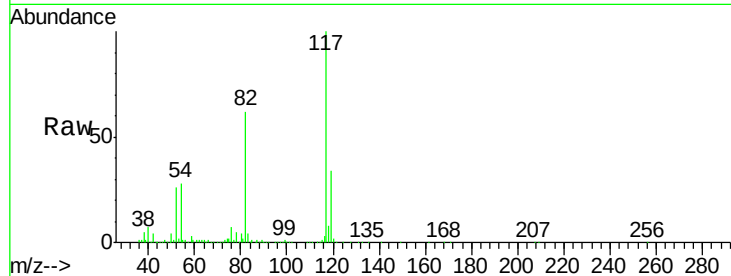
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 4007988
Ion Ratio Lower Upper
117 100
82 63.4 51.7 77.5
119 34.4 47.6 71.4#

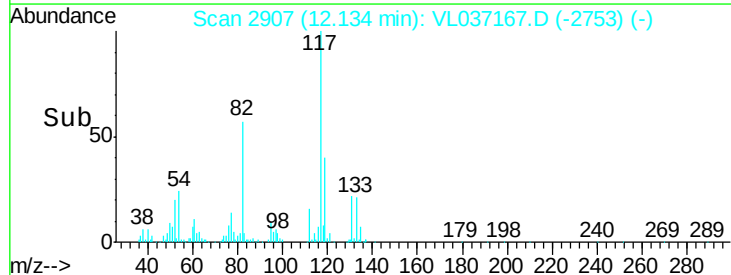
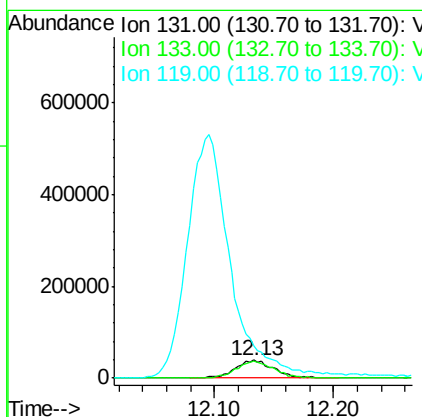
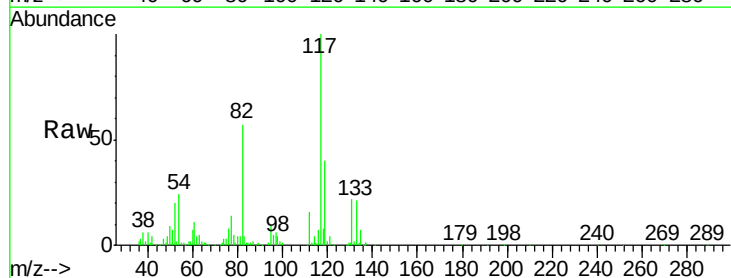
Manual Integrations
APPROVED

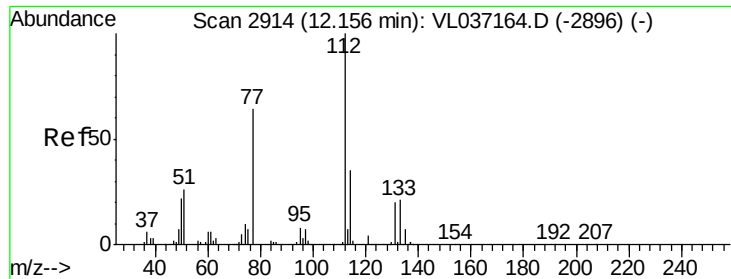
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.505 ppbv m
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion:131 Resp: 88230
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 1563.5 48.6 72.8#





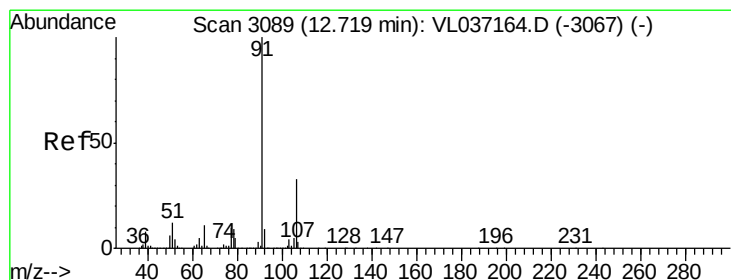
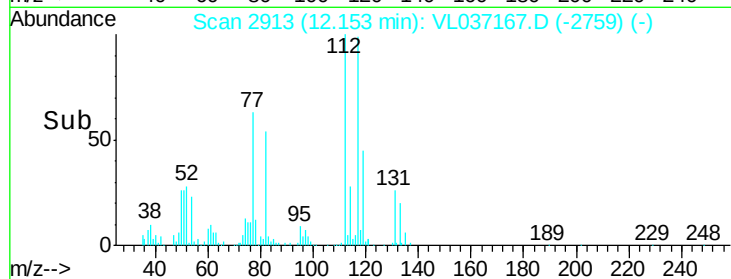
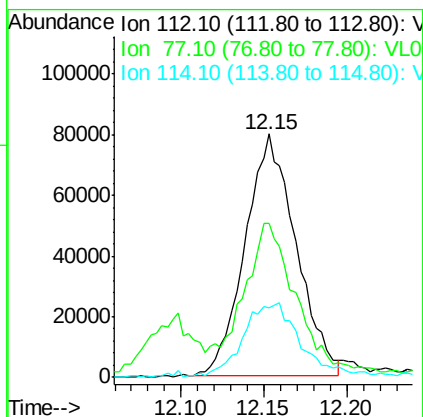
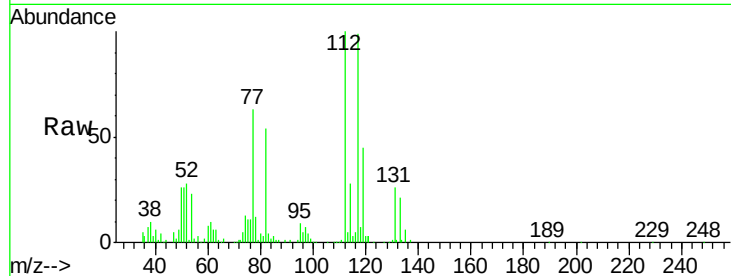
#57
Chlorobenzene
Concen: 0.529 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	57.7	52.2	78.4
114	27.8	31.1	38.1#

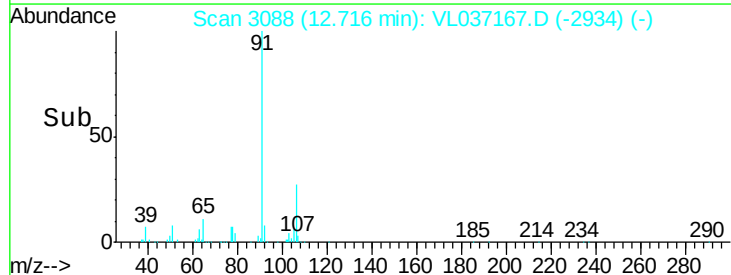
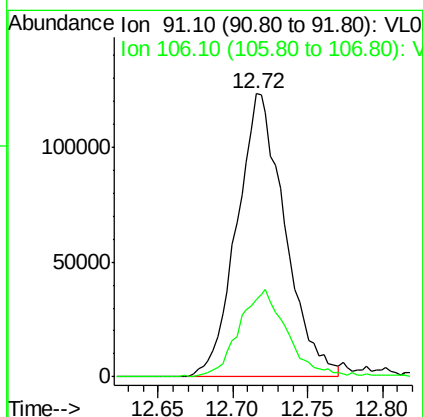
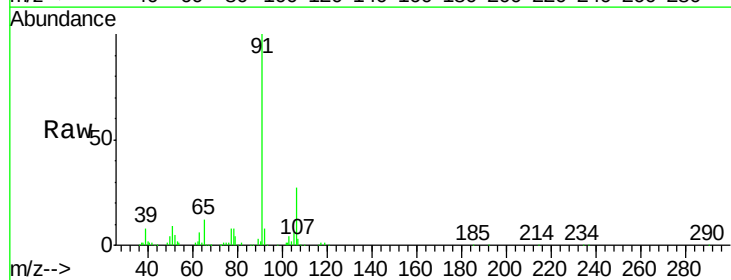
Manual Integrations
APPROVED

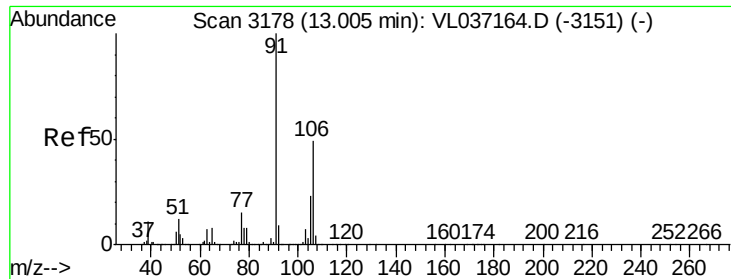
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6/17/2021 5:41:06 PM



#58
Ethyl Benzene
Concen: 0.506 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.4	26.3	39.5





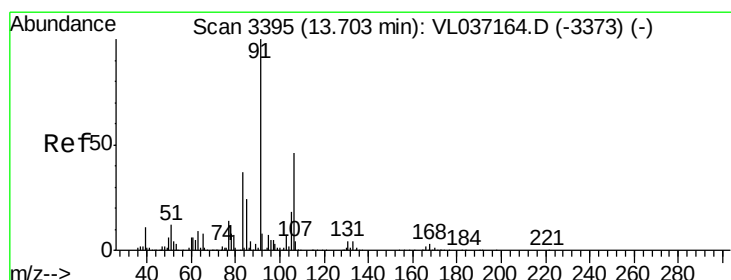
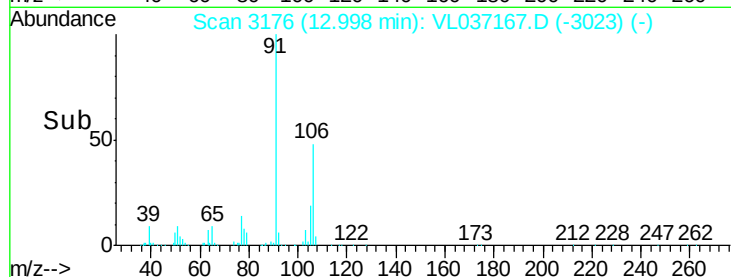
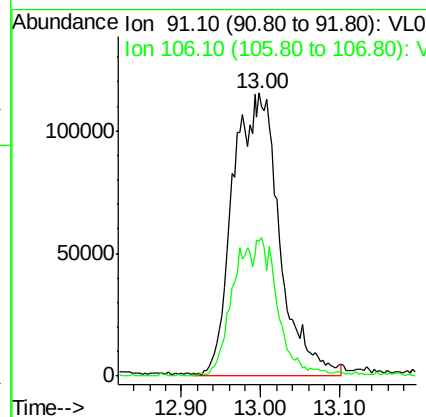
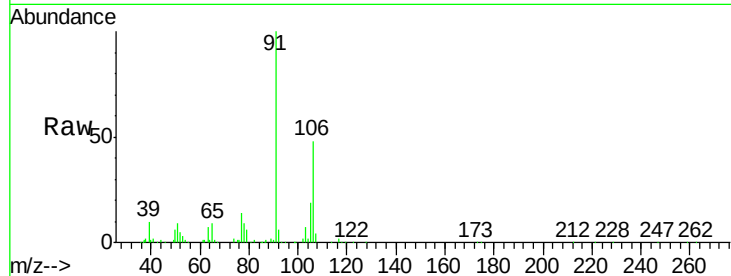
#59
m/p-Xylene
Concen: 1.044 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 481548
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

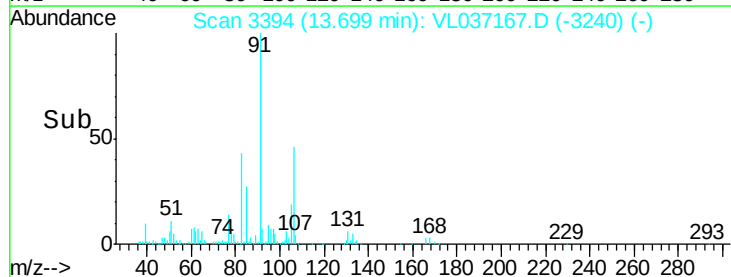
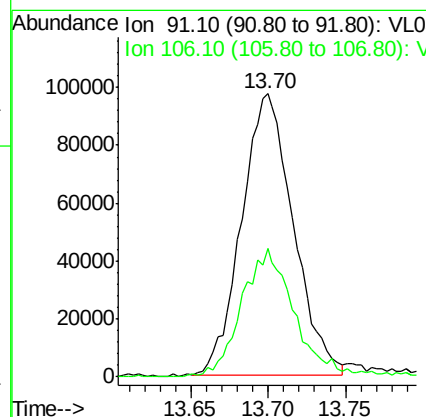
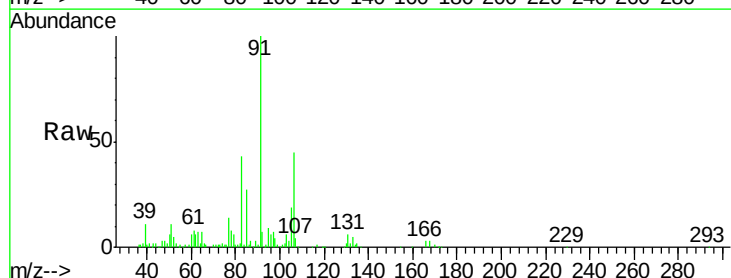
Manual Integrations
APPROVED

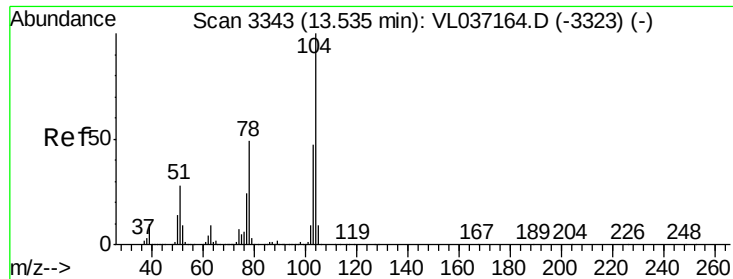
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#60
o-Xylene
Concen: 0.508 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion: 91 Resp: 224863
Ion Ratio Lower Upper
91 100
106 46.9 23.0 69.0





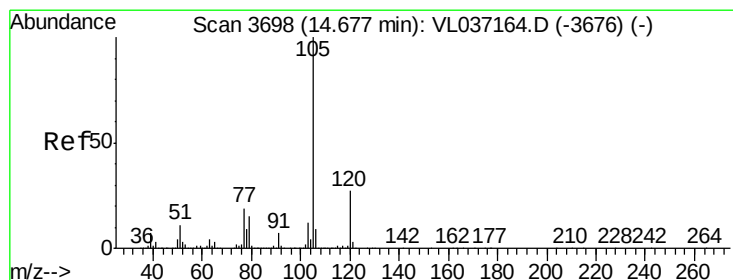
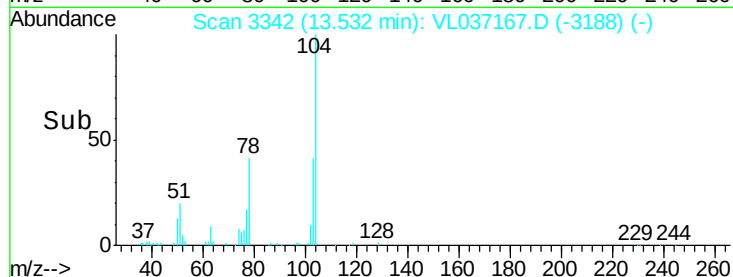
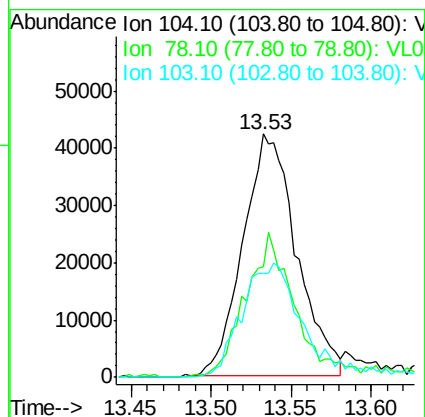
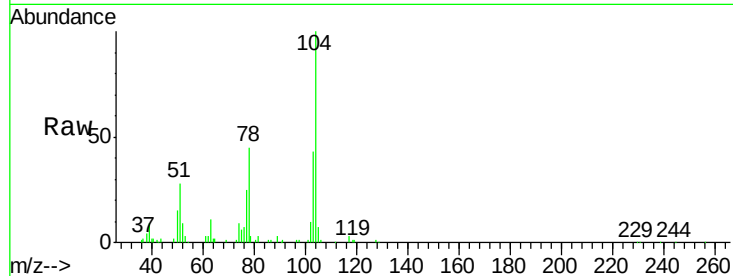
#61
Stvrene
Concen: 0.418 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	39.7	59.5
103	55.1	37.6	56.4

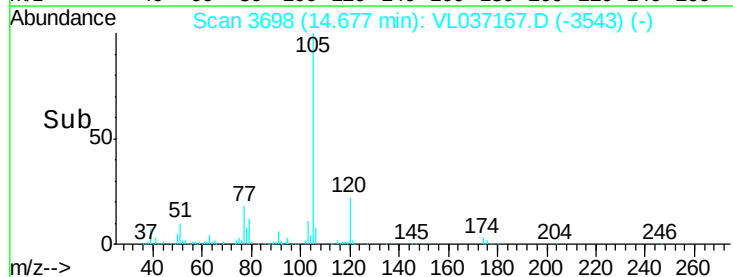
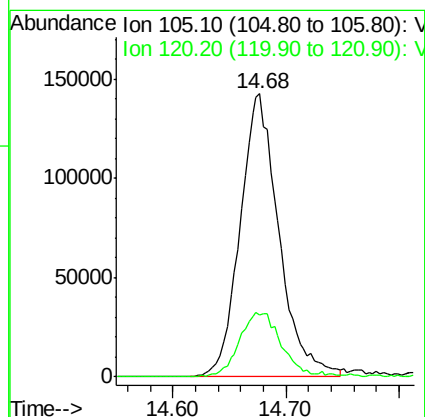
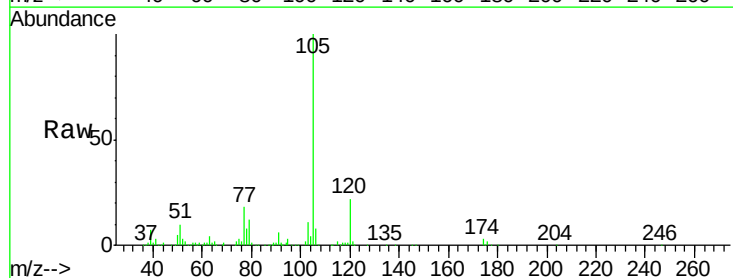
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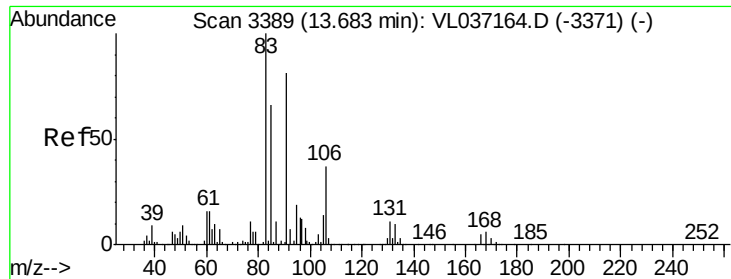
SAM
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#62
Isopropylbenzene
Concen: 0.539 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.6	32.4





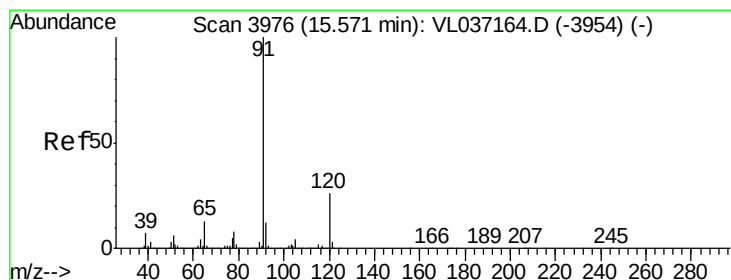
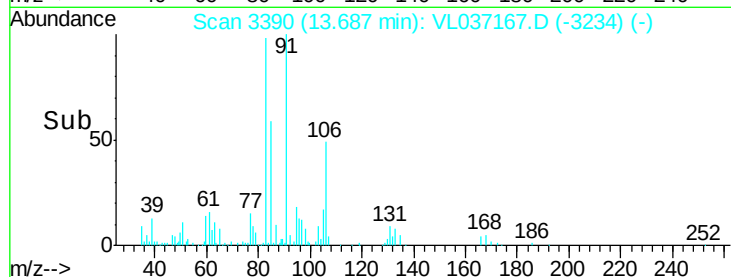
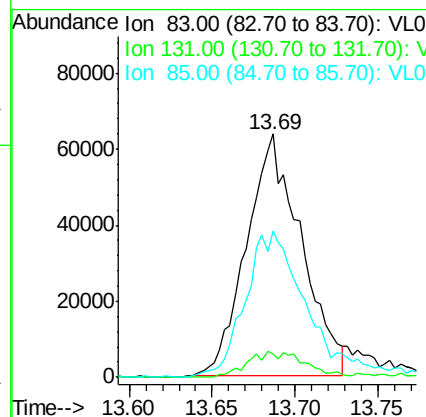
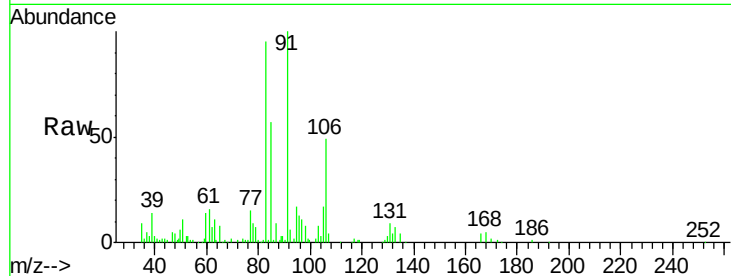
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.508 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.4	16.2
85	71.6	33.1	99.2

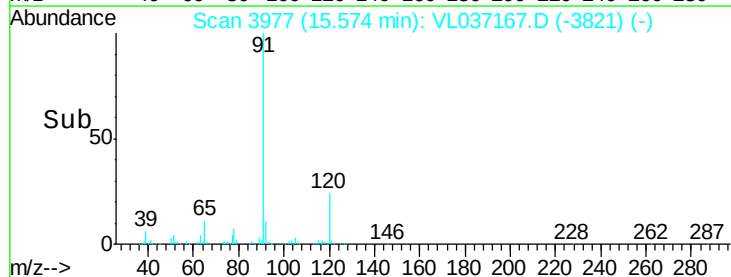
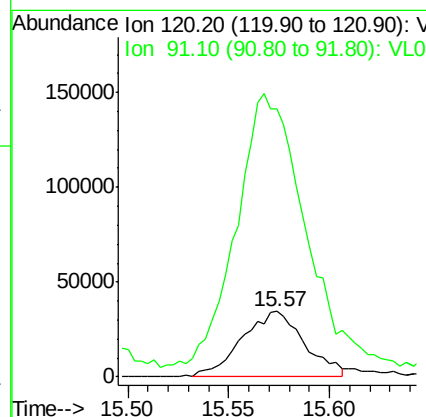
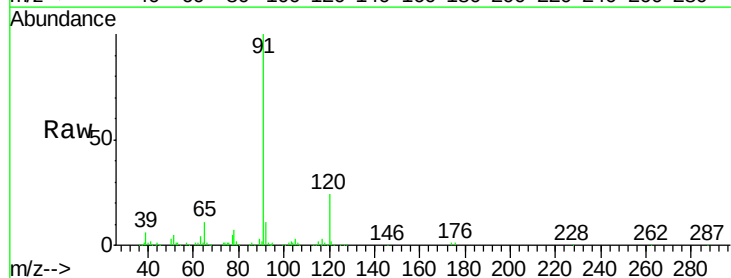
Manual Integrations
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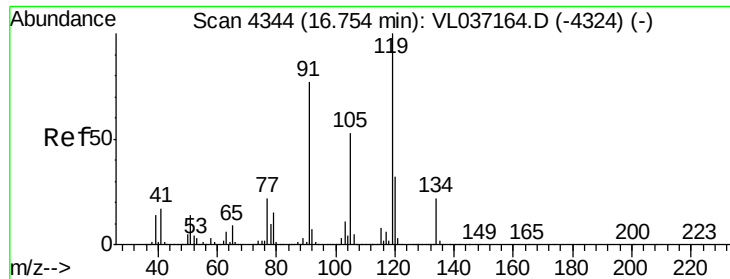
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#64
 n-propylbenzene
 Concen: 0.465 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
120	100		
91	513.2	343.3	514.9





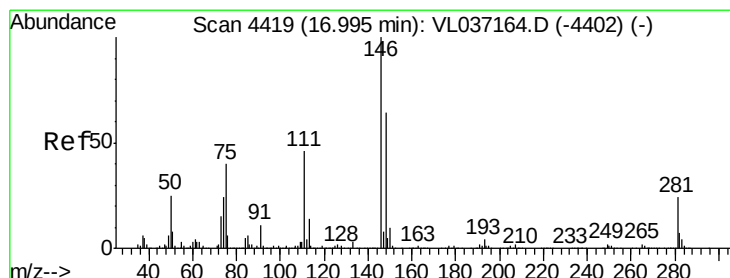
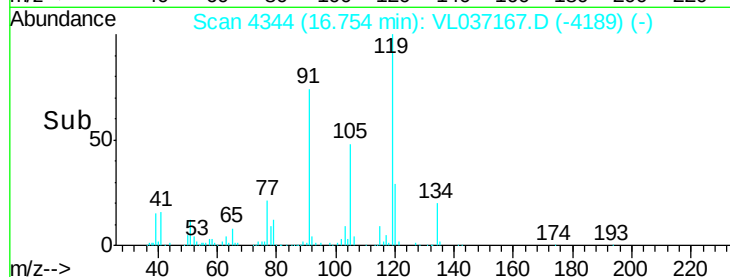
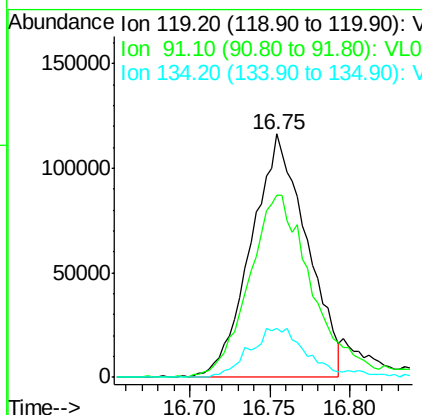
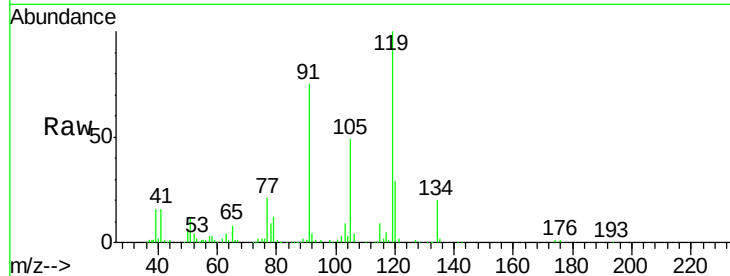
#65
tert-Butylbenzene
Concen: 0.489 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279804		
91	88.4	62.6	93.8	
134	21.8	16.2	24.4	

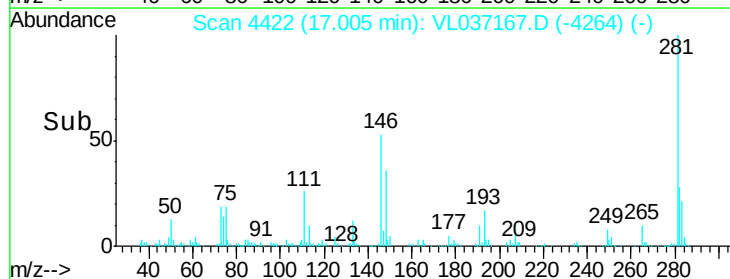
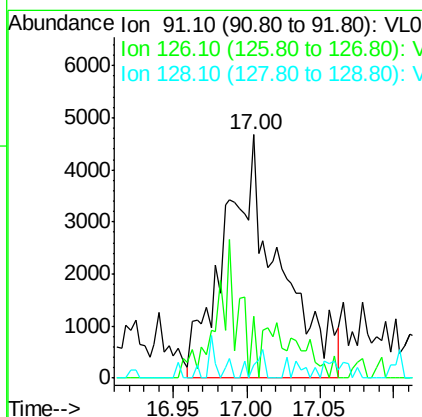
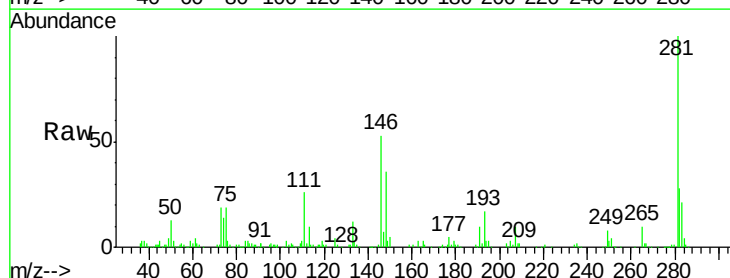
Manual Integrations
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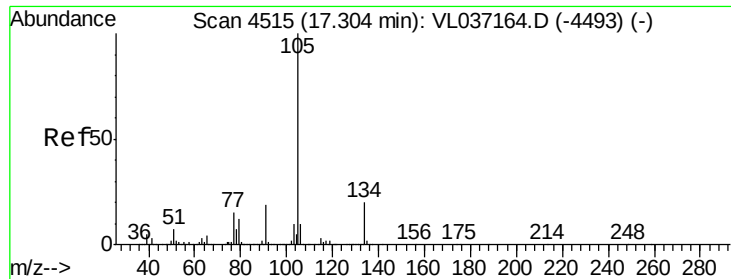
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#66
Benzyl Chloride
Concen: 0.480 ppbv m
RT: 17.00 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL037167.D
Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	11992		
126	38.5	15.5	23.3#	
128	3.6	5.7	8.5#	





#67

sec-Butylbenzene

Concen: 0.518 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 393606

Ion Ratio Lower Upper

105 100

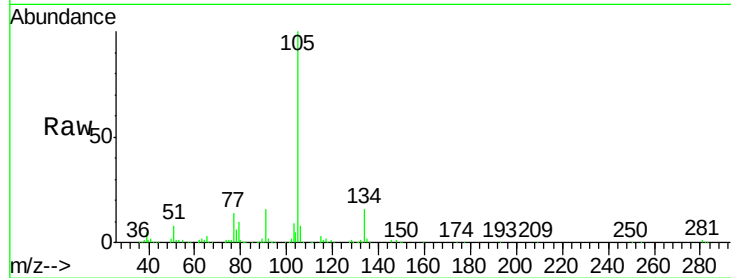
134 18.9 15.8 23.6

Manual Integrations

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SAM

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

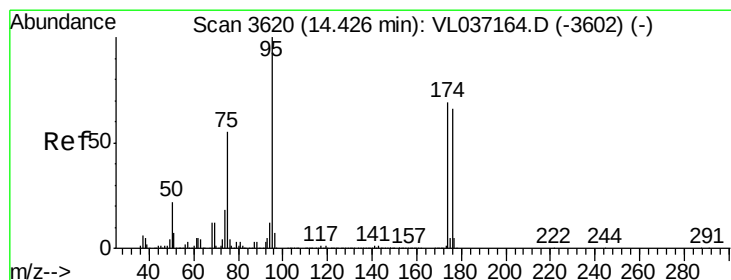
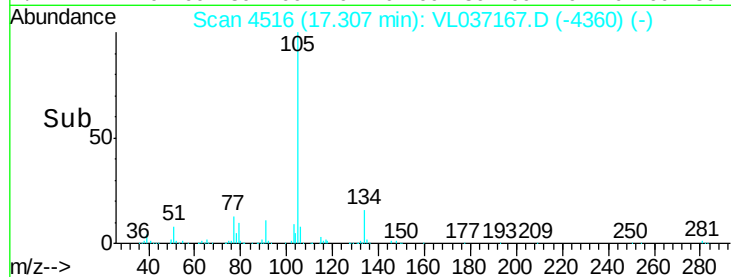
150000

100000

50000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.141 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

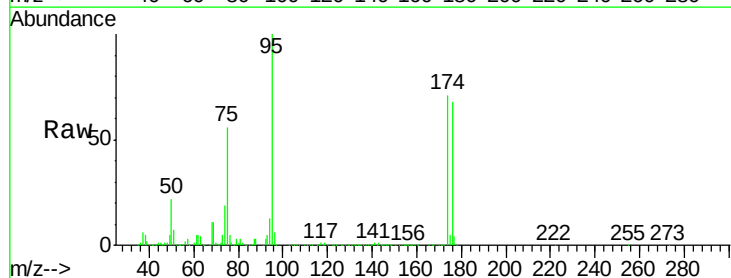
Tgt Ion: 95 Resp: 2993828

Ion Ratio Lower Upper

95 100

174 73.4 57.0 85.4

175 5.5 4.4 6.6



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

14.43

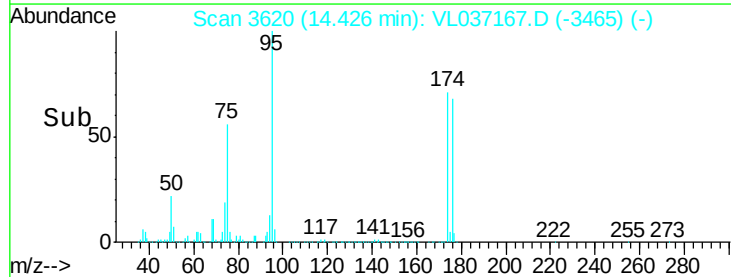
1500000

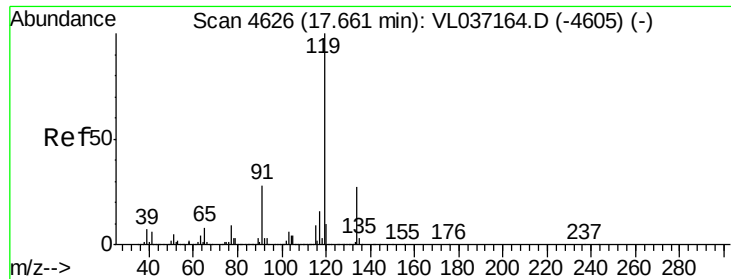
1000000

500000

0

Time--> 14.30 14.40 14.50





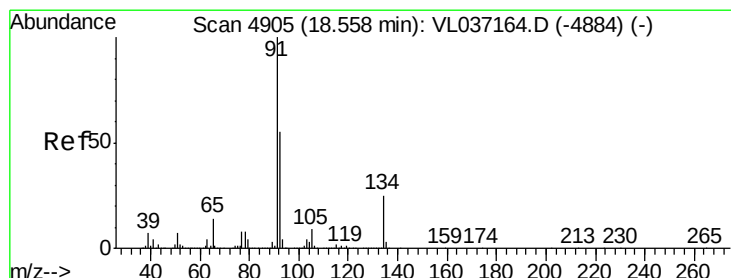
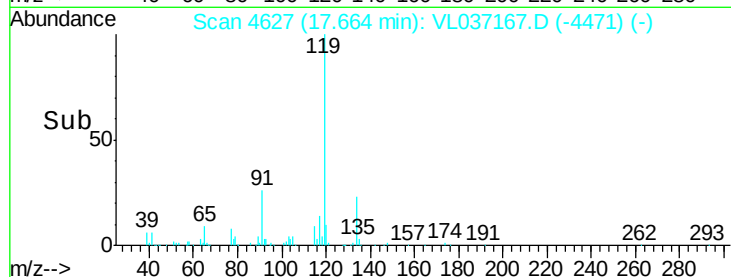
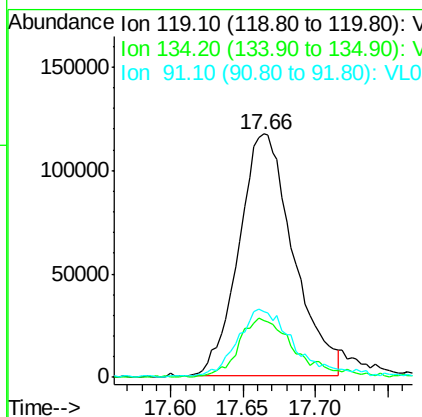
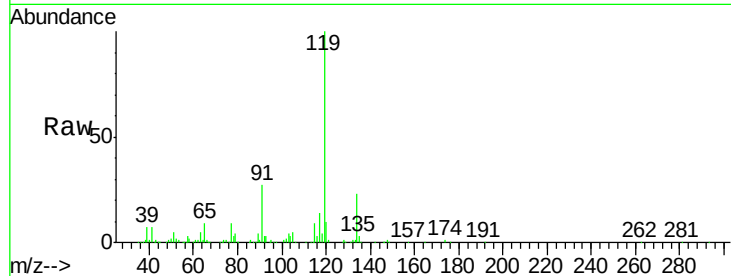
#69
 p-Isopropyltoluene
 Concen: 0.481 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	305714		
134	26.4	20.9	31.3	
91	30.1	22.6	34.0	

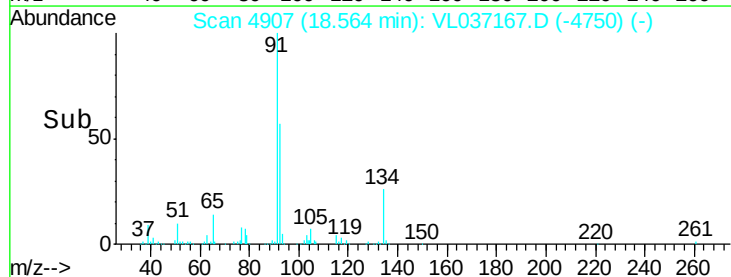
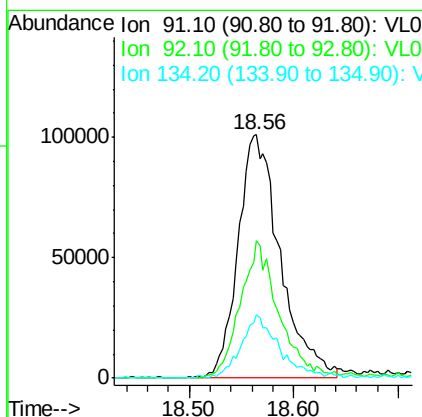
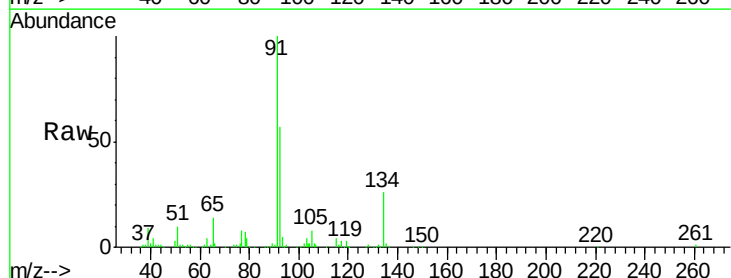
Manual Integrations
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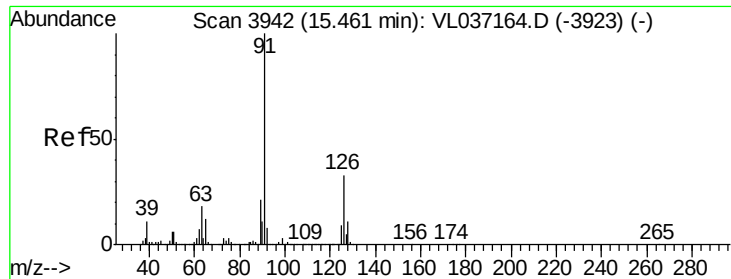
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#70
 n-Butylbenzene
 Concen: 0.486 ppbv m
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.01 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	282515		
92	51.6	44.0	66.0	
134	24.0	20.2	30.4	





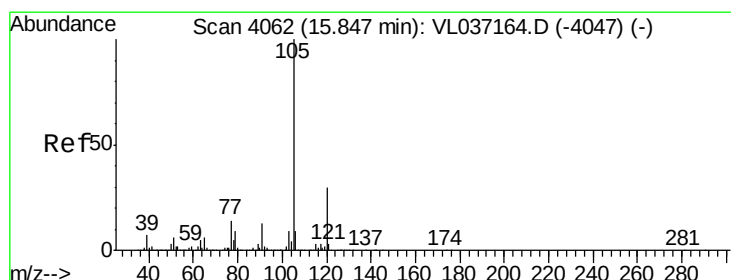
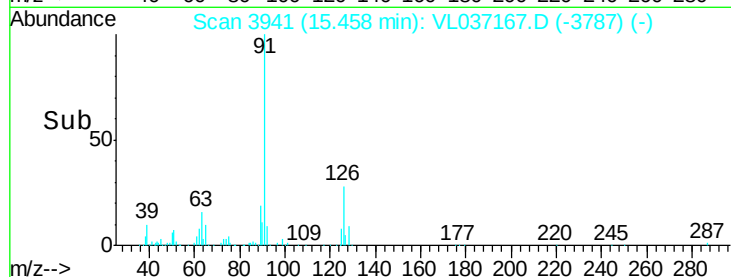
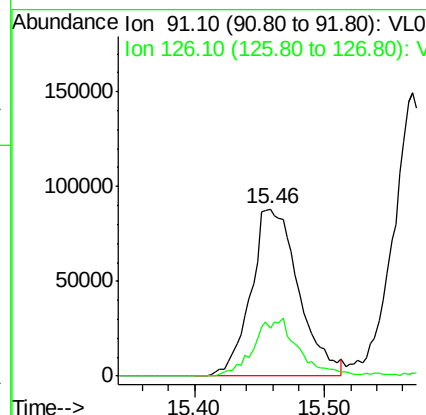
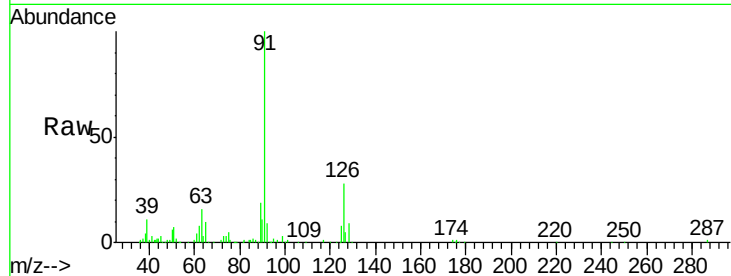
#71
 2-Chlorotoluene
 Concen: 0.499 ppbv m
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 224775
 Ion Ratio Lower Upper
 91 100
 126 32.9 13.5 54.1

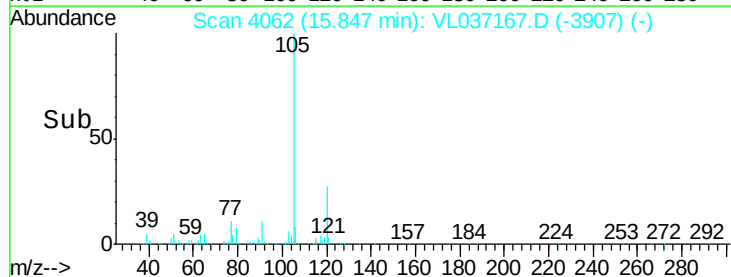
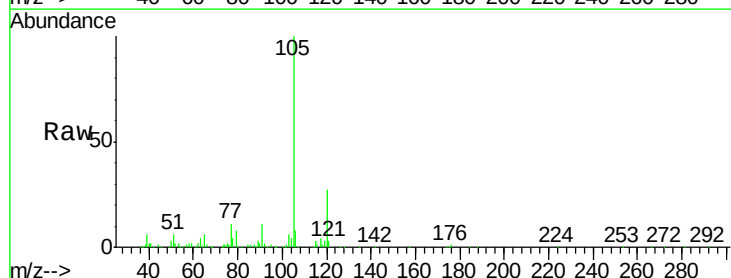
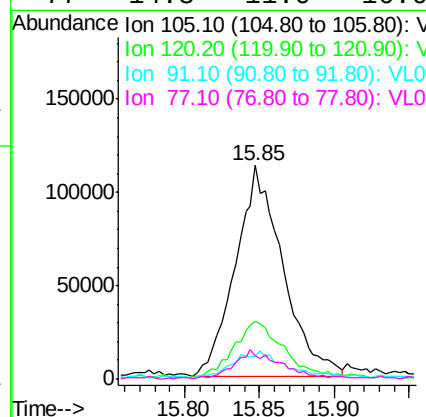
Manual Integrations
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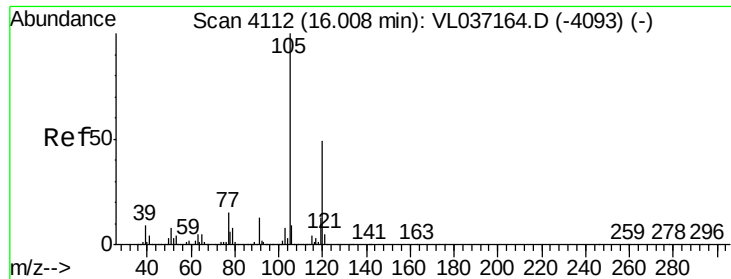
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#72
 4-Ethyltoluene
 Concen: 0.480 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion: 105 Resp: 246776
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.7 37.1
 91 12.9 10.2 15.4
 77 14.3 11.0 16.6





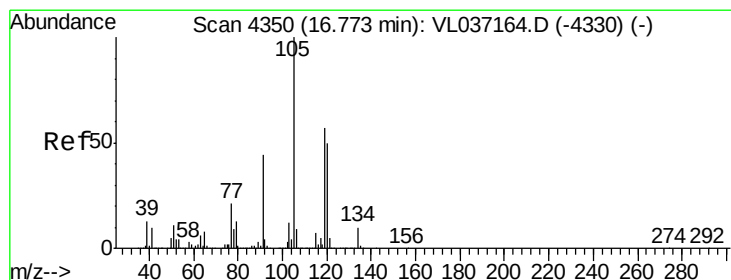
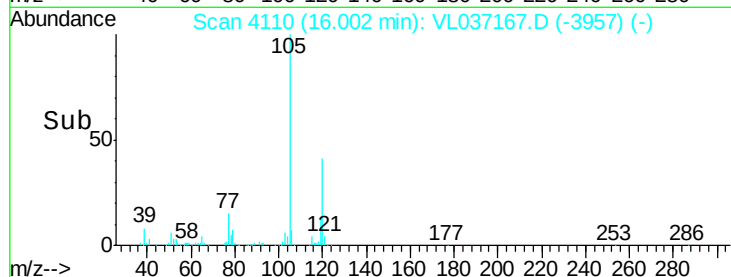
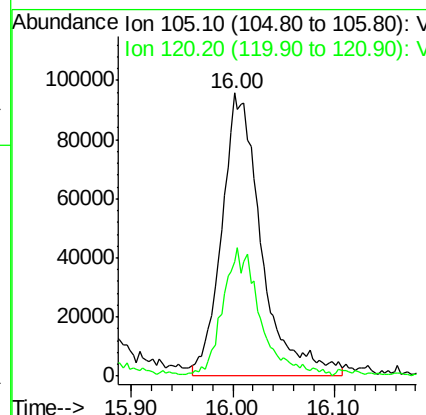
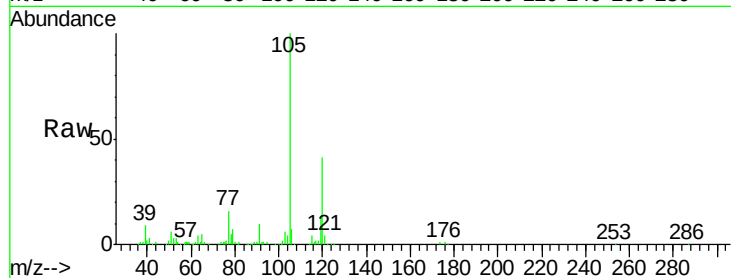
#73
 1,3,5-Trimethylbenzene
 Concen: 0.534 ppbv m
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.6	39.4	59.2

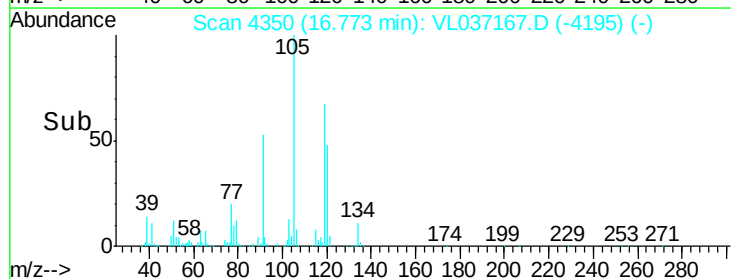
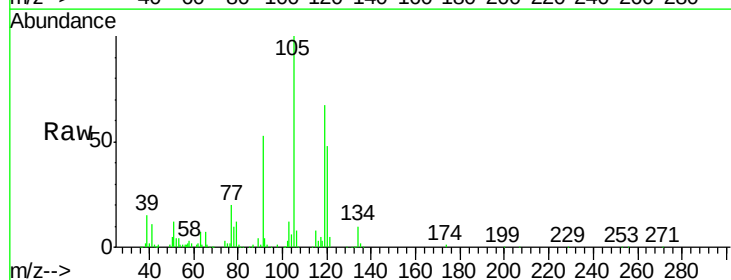
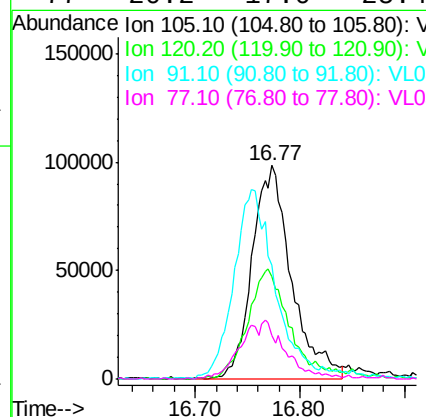
Manual Integrations
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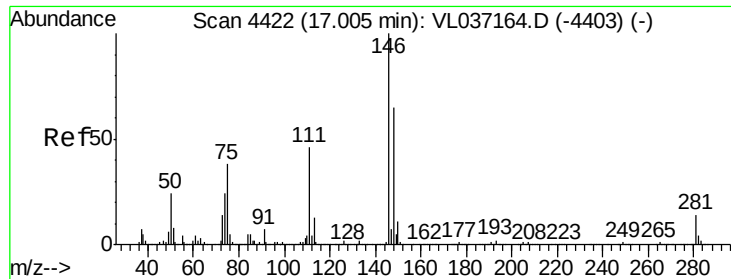
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.518 ppbv m
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	39.8	59.8
91	53.1	37.0	55.4
77	20.2	17.0	25.4





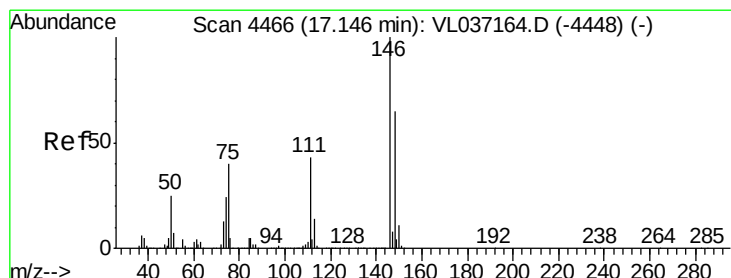
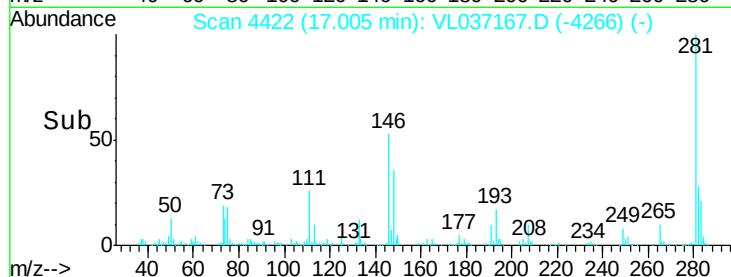
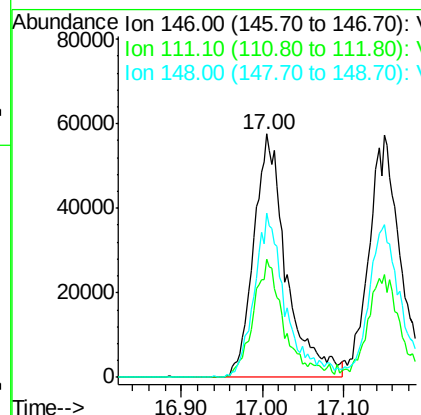
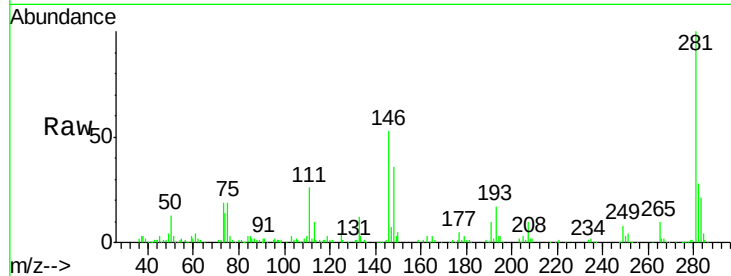
#75
 1,3-Dichlorobenzene
 Concen: 0.530 ppbv m
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.2	66.6
148	64.4	32.4	97.2

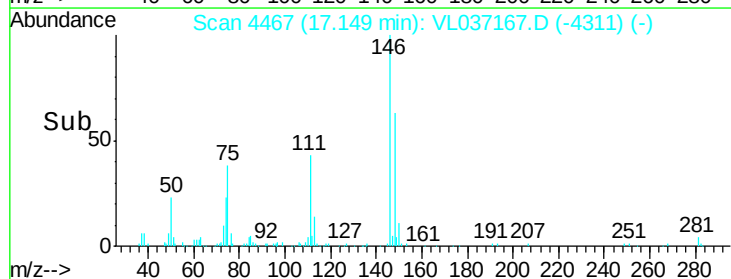
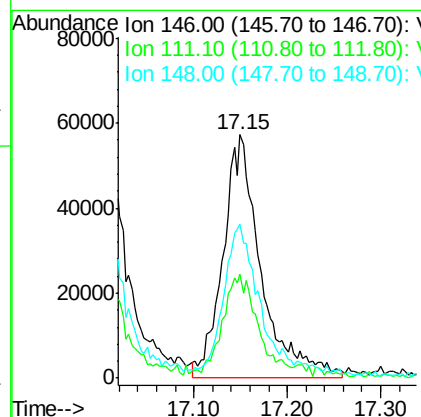
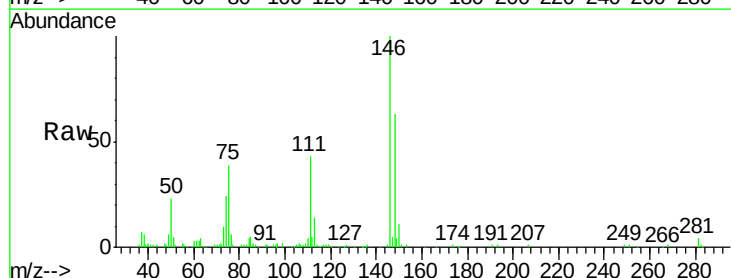
Manual Integrations
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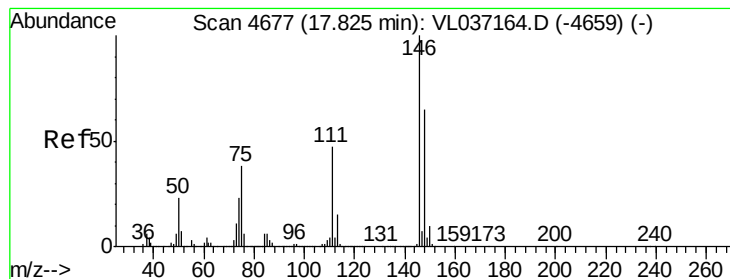
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#76
 1,4-Dichlorobenzene
 Concen: 0.534 ppbv m
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.7	68.0#
148	0.0	33.7	101.1#





#77

1,2-Dichlorobenzene

Concen: 0.517 ppbv m

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

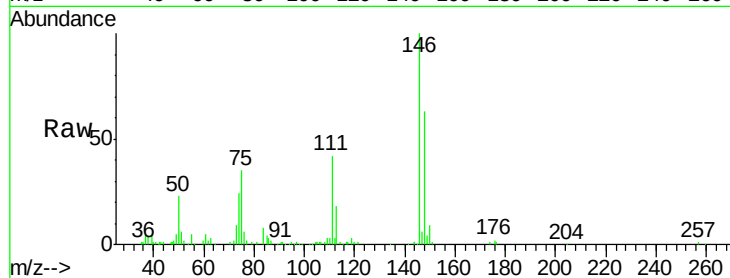
VSTDIC0.5

Tot Ion:	146	Resp:	155945
Ion Ratio	Lower	Upper	
146	100		
111	46.7	23.3	69.8
148	62.0	32.4	97.0

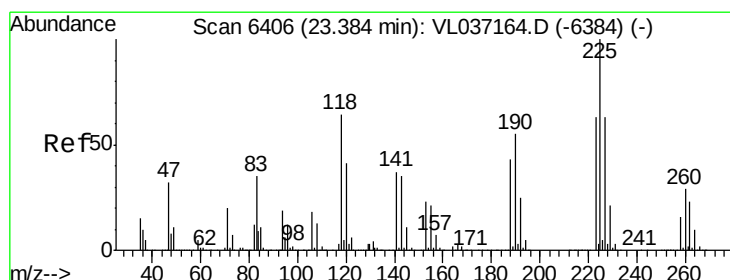
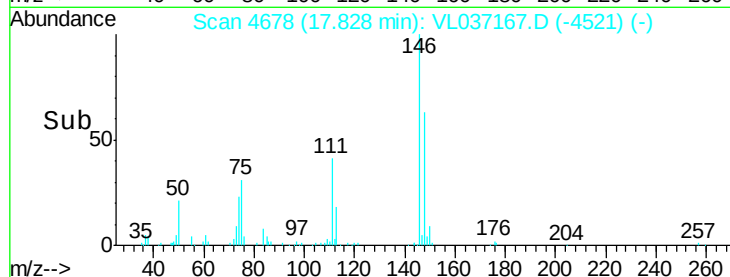
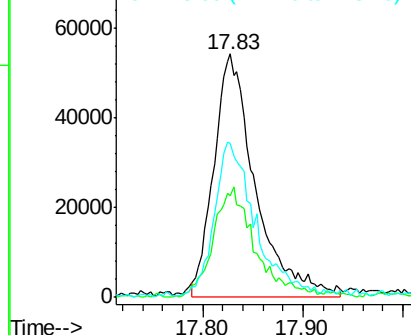
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.721 ppbv m

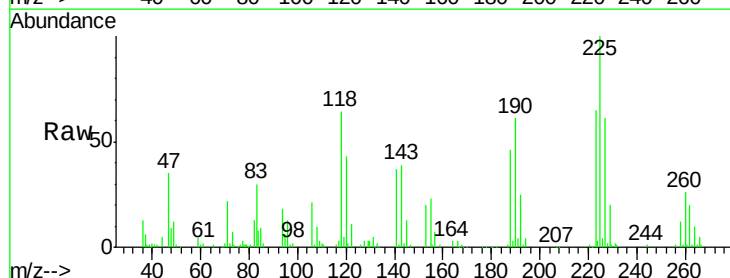
RT: 23.38 min Scan# 6406

Delta R.T. -0.00 min

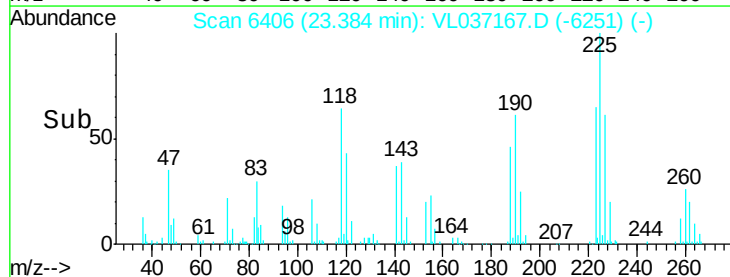
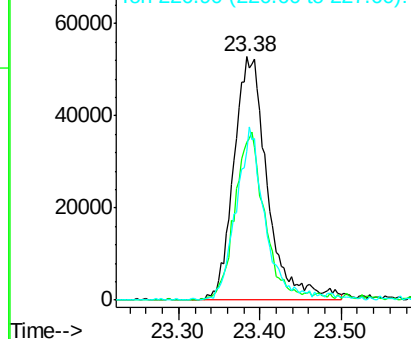
Lab File: VL037167.D

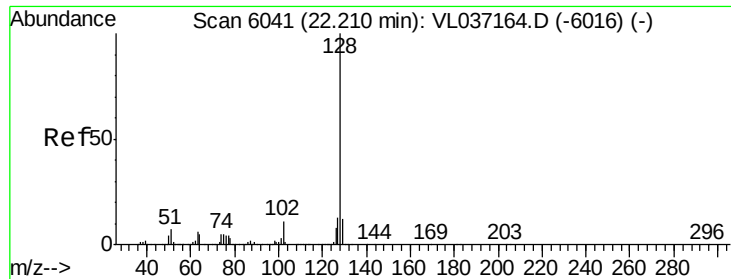
Acq: 16 Jun 2021 11:19

Tgt Ion:	225	Resp:	154039
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.8	77.8#
227	0.0	51.4	77.0#



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





#79

Naphthalene

Concen: 0.590 ppbv m

RT: 22.22 min Scan# 6043

Delta R.T. 0.01 min

Lab File: VL037167.D

Acq: 16 Jun 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

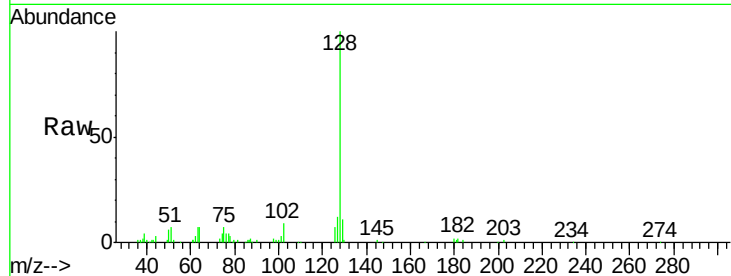
VSTDIC0.5

Tot Ion:	128	Resp:	176465
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.7	16.1
129	11.2	9.3	13.9

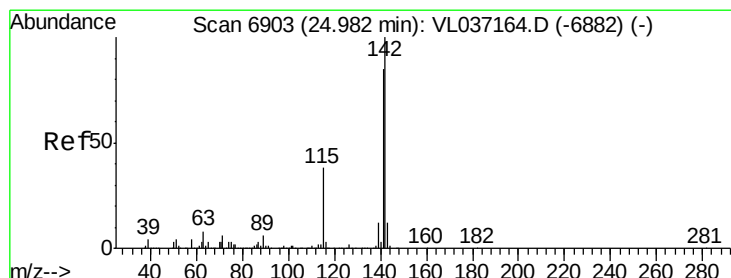
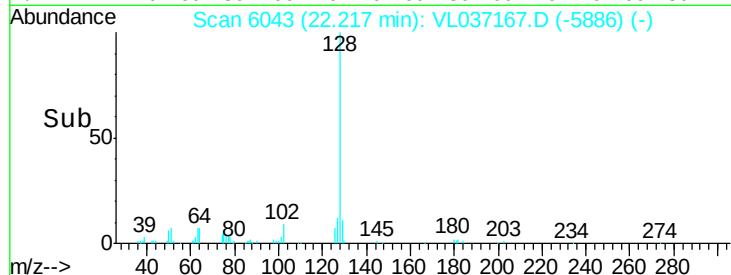
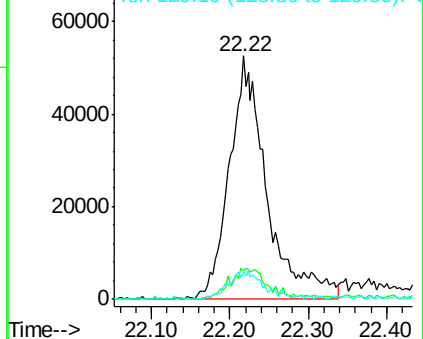
Manual Integrations
APPROVED

SAM

6/17/2021 5:41:06 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: 0.590 ppbv m

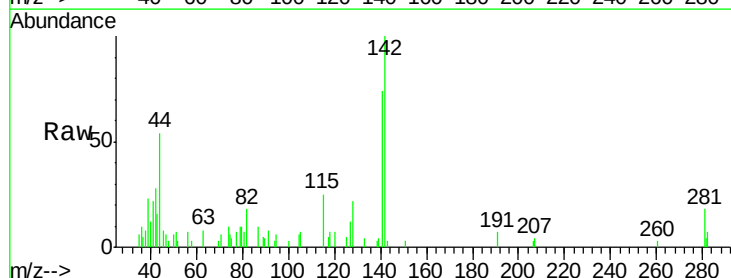
RT: 25.04 min Scan# 6921

Delta R.T. 0.06 min

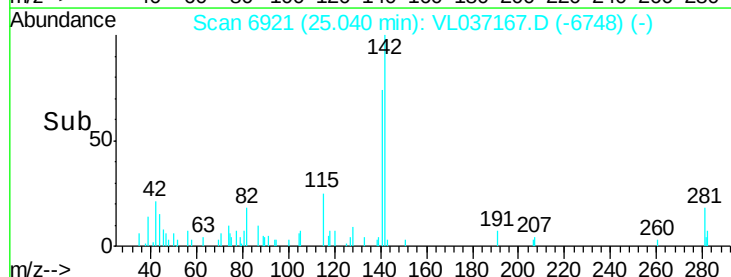
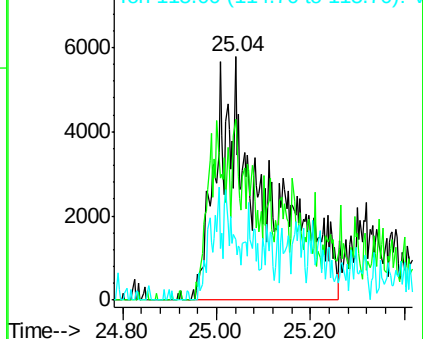
Lab File: VL037167.D

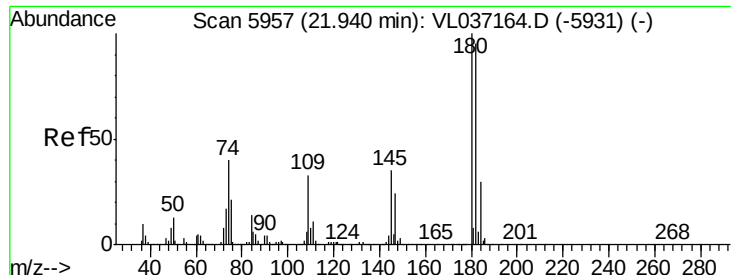
Acq: 16 Jun 2021 11:19

Tgt Ion:	142	Resp:	42640
Ion Ratio	Lower	Upper	
142	100		
141	26.4	63.7	95.5#
115	17.8	30.6	45.8#



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: 0.584 ppbv m
 RT: 21.94 min Scan# 5958
 Delta R.T. 0.00 min
 Lab File: VL037167.D
 Acq: 16 Jun 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	79.3	118.9
184	32.0	24.7	37.1

Manual Integrations
 APPROVED

SAM
 6/17/2021 5:41:06 PM

