

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037381.D
 Acq On : 11 Aug 2021 6:20
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:47 AM

Quant Time: Aug 11 08:57:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11 08:57:57 2021
 QLast Update : Wed Aug 11 06:16:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1273320	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3912183	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3549279	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2802282	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	3511028	15.320	ppbv	100
3) Chlorodifluoromethane	2.99	51	3057070	12.478	ppbv	99
4) Chloromethane	3.14	50	1148331m	12.779	ppbv	
5) Vinyl Chloride	3.25	62	1176081	12.944	ppbv	98
6) Bromomethane	3.47	94	652654	13.241	ppbv	95
7) Chloroethane	3.56	64	411871	13.407	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2696459	13.087	ppbv	100
9) Propene	3.01	41	1035719	12.404	ppbv	100
10) Heptane	8.12	43	2703365	13.988	ppbv	99
11) Trichlorofluoromethane	3.95	101	2622224	13.394	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1850517	13.469	ppbv	98
13) Ethanol	3.60	45	123077m	8.909	ppbv	
14) Bromoethene	3.74	108	874001m	13.620	ppbv	
15) Acetone	3.84	43	1445538	11.333	ppbv	96
16) 1,3-Butadiene	3.32	39	1137602	12.990	ppbv	97
17) tert-Butyl alcohol	4.29	59	1493439	13.481	ppbv	99
18) 1,1-Dichloroethene	4.29	96	860462	13.517	ppbv	96
19) Isopropyl Alcohol	3.96	45	918573	12.759	ppbv	# 33
20) Methylene Chloride	4.34	84	784541	11.326	ppbv	96
21) Allyl Chloride	4.41	41	1369963	14.253	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	806675	13.385	ppbv	94
23) Vinyl Acetate	5.07	43	2863331	14.608	ppbv	98
24) 1,1-Dichloroethane	5.01	63	2073710	13.428	ppbv	98
25) Ethyl Acetate	5.67	43	4282235	13.514	ppbv	100
26) Hexane	5.68	57	2053484	12.645	ppbv	96
27) Carbon Disulfide	4.55	76	2067408	15.864	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2323303m	13.849	ppbv	
29) Chloroform	5.75	83	3017673	13.305	ppbv	100
30) Cyclohexane	7.12	84	1735735	12.970	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1985731	14.001	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2956323	13.422	ppbv	100
34) 2-Butanone	5.24	43	1892750	13.276	ppbv	98
35) Carbon Tetrachloride	7.02	117	3127636	14.230	ppbv	98
36) Benzene	6.88	78	4247864	13.388	ppbv	99
37) 1,2-Dichloroethane	6.30	62	2229964	13.822	ppbv	99
38) Trichloroethene	7.83	130	1674285	12.346	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1631757	14.229	ppbv	98
40) 1,4-Dioxane	7.83	88	359839	11.314	ppbv	# 100
41) Tetrahydrofuran	6.05	42	984875	13.885	ppbv	98
42) Bromodichloromethane	7.79	83	3268261	14.618	ppbv	99
43) Methyl Methacrylate	8.01	69	1559857	14.302	ppbv	99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6865165	12.883	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1411621	18.128	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1751906	16.409	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1750781	13.395	ppbv	97
48) Dibromochloromethane	10.30	129	2844627	15.241	ppbv	99
49) Bromoform	13.04	173	2445232	16.919	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2793331	14.238	ppbv	99
51) 2-Hexanone	10.13	43	1339794	15.716	ppbv #	97
52) Tetrachloroethene	11.22	164	1579068	12.138	ppbv	98
53) Toluene	9.80	91	4999623	13.704	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2570354	14.050	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1938826	13.930	ppbv #	57
57) Chlorobenzene	12.14	112	3625012	12.856	ppbv	99
58) Ethyl Benzene	12.70	91	6478117	13.378	ppbv	98
59) m/p-Xylene	12.99	91	10795817m	25.712	ppbv	
60) o-Xylene	13.69	91	5064824	13.045	ppbv	98
61) Styrene	13.52	104	3040742	16.101	ppbv	97
62) Isopropylbenzene	14.66	105	7126678	13.027	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3568657	12.140	ppbv	99
64) n-propylbenzene	15.55	120	1918948	14.008	ppbv	86
65) tert-Butylbenzene	16.74	119	6128445	12.295	ppbv	100
66) Benzyl Chloride	16.98	91	366073	18.908	ppbv	98
67) sec-Butylbenzene	17.29	105	8581957	12.574	ppbv	98
69) p-Isopropyltoluene	17.64	119	7207689	13.186	ppbv	99
70) n-Butylbenzene	18.54	91	7081724	13.928	ppbv	99
71) 2-Chlorotoluene	15.45	91	5435579	13.743	ppbv	98
72) 4-Ethyltoluene	15.83	105	6268840	13.983	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5618802	14.037	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	5626763	13.179	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	3492880	13.652	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3433995	13.997	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	3329247	13.477	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2413880	11.816	ppbv	99
79) Naphthalene	22.18	128	4363434	20.684	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1314582	41.175	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	2593850	17.280	ppbv	100

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

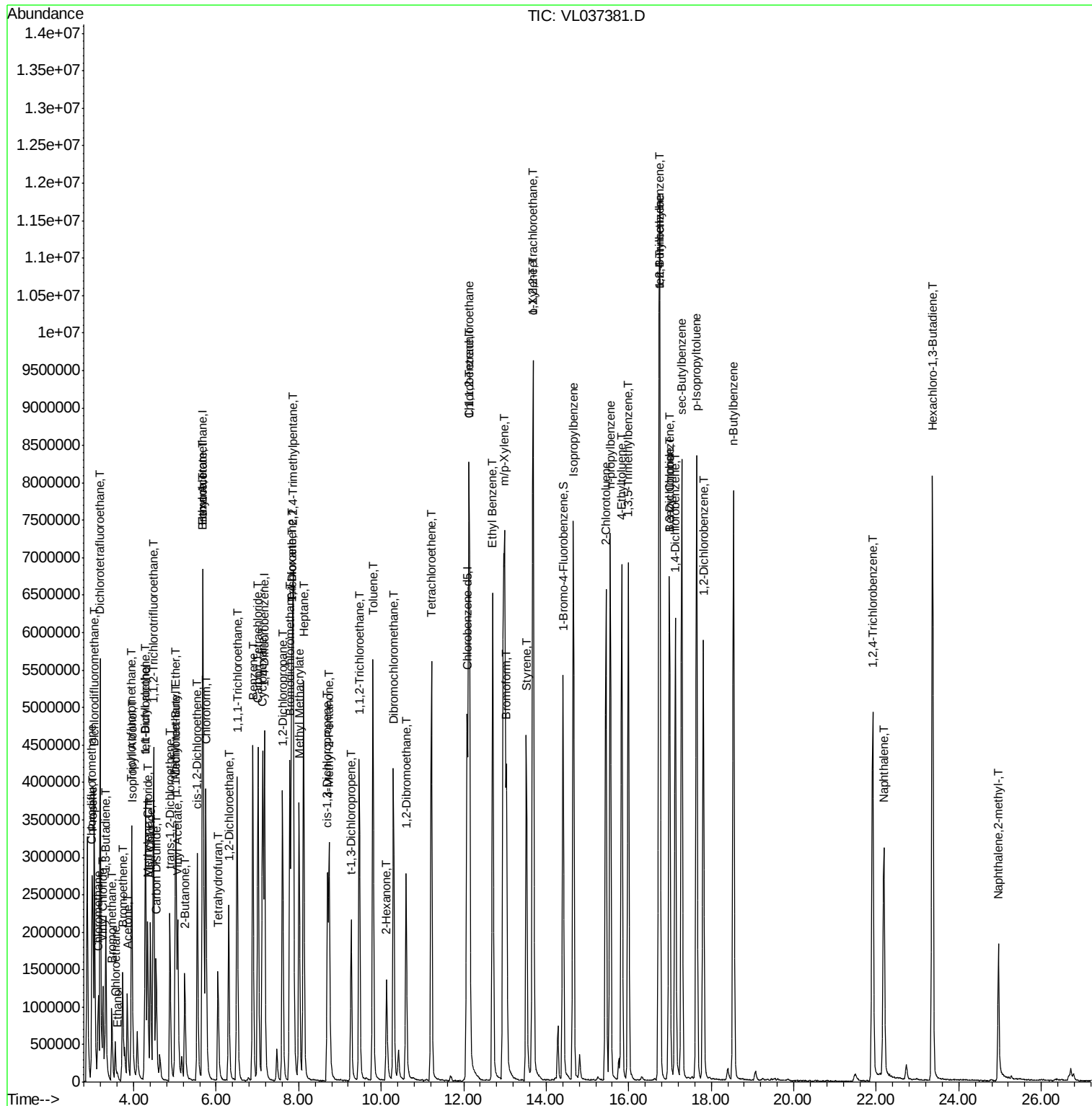
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081121\  
Data File : VL037381.D  
Acq On    : 11 Aug 2021    6:20  
Operator  : SY/AP  
Sample    : VSTDICC015  
Misc      : 400mL/MSVOA L  
ALS Vial  : 1    Sample Multiplier: 1
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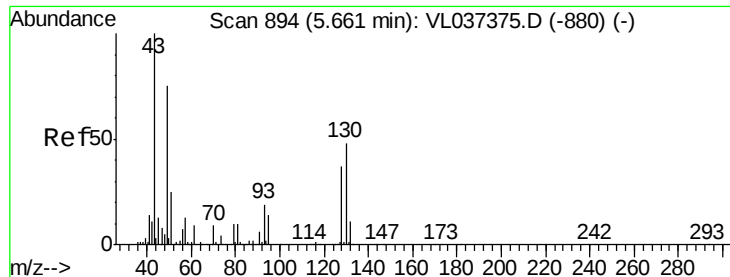
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_Lwed Aug
QLast Update : Wed Aug 11 06:16:42 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 1273320

Ion Ratio Lower Upper

49 100

128 56.7 28.1 84.2

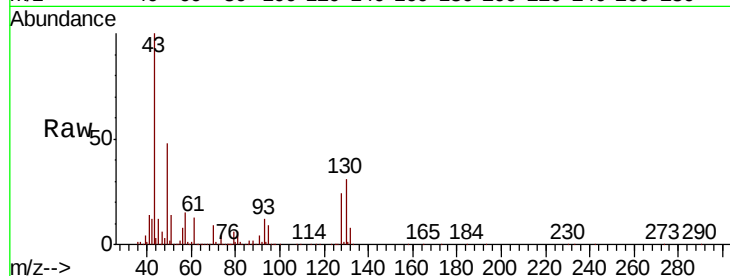
130 67.8 34.6 103.8

Manual Integrations

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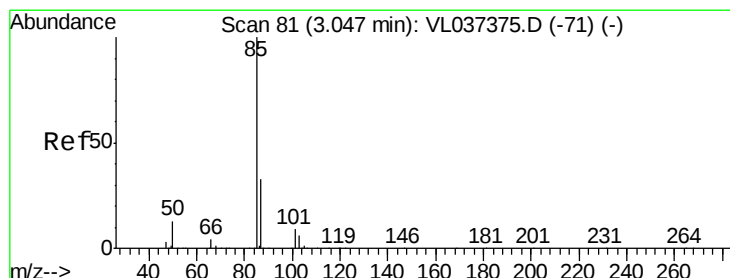
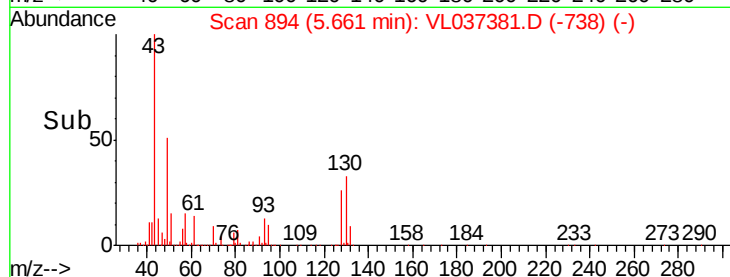
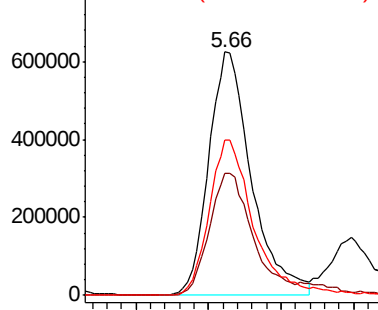
8/12/2021 10:16:47 AM



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: 15.320 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037381.D

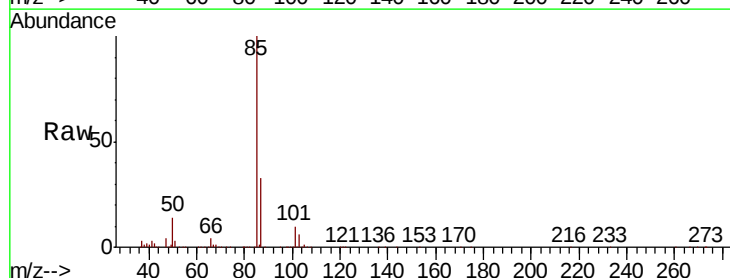
Acq: 11 Aug 2021 6:20

Tgt Ion: 85 Resp: 3511028

Ion Ratio Lower Upper

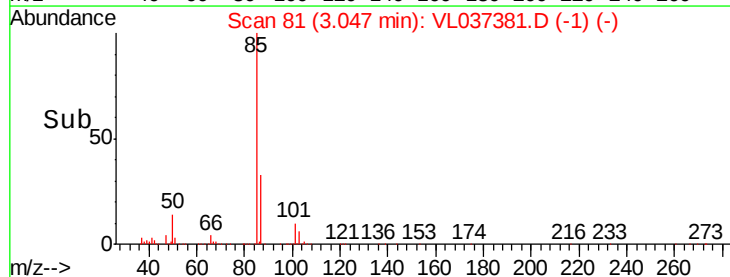
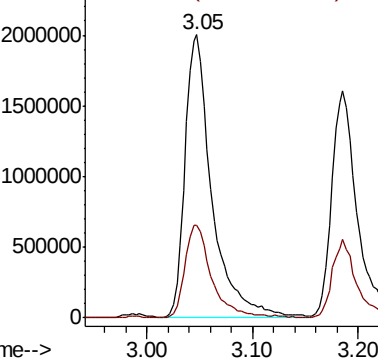
85 100

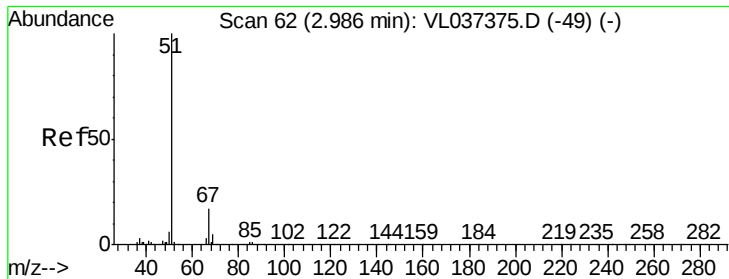
87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.478 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Tot Ion: 51 Resp: 3057070

Ion Ratio Lower Upper

51 100

67 18.2 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

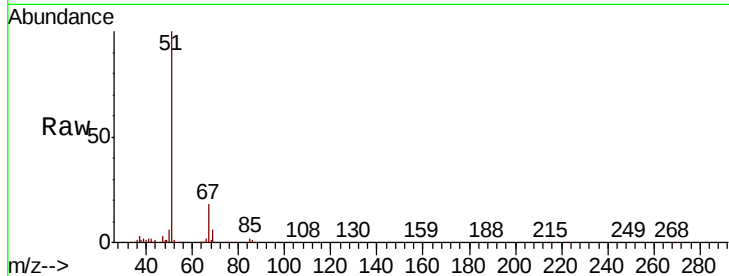
VSTDIC015

Manual Integrations

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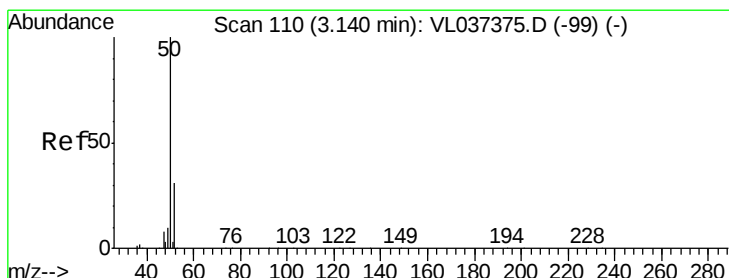
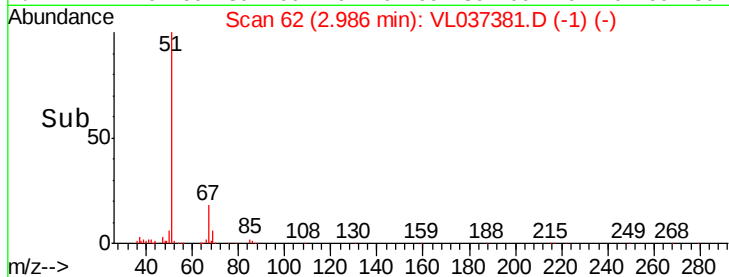
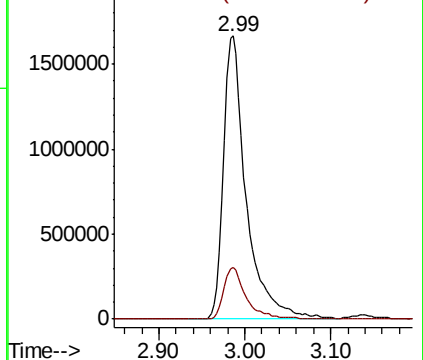
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 12.779 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037381.D

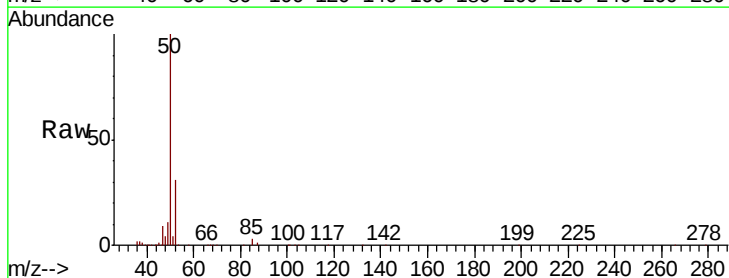
Acq: 11 Aug 2021 6:20

Tgt Ion: 50 Resp: 1148331

Ion Ratio Lower Upper

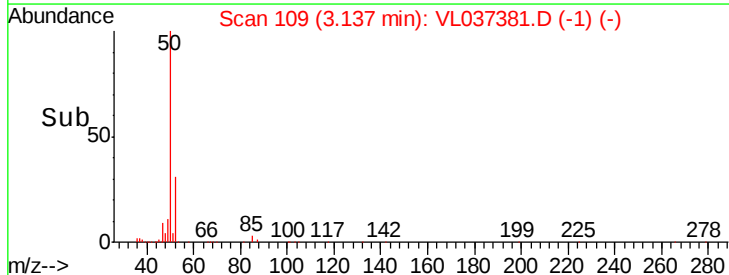
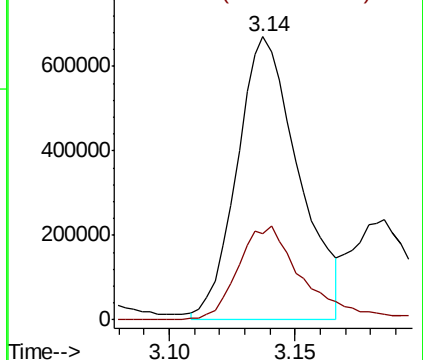
50 100

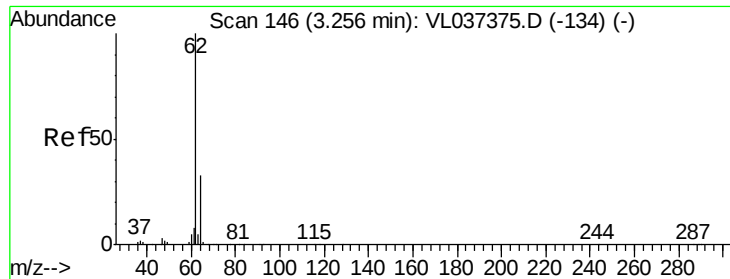
52 30.6 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.944 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1176081

Ion Ratio Lower Upper

62 100

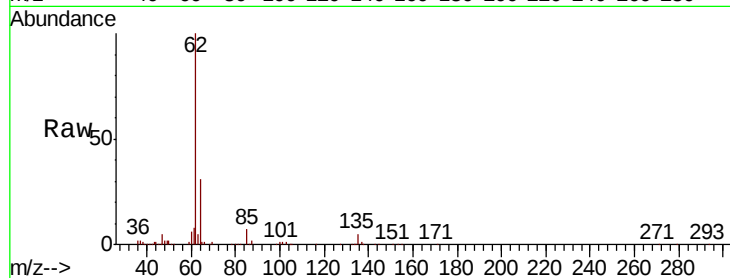
64 31.4 26.2 39.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

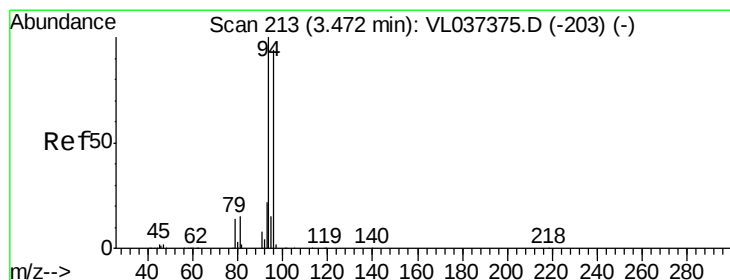
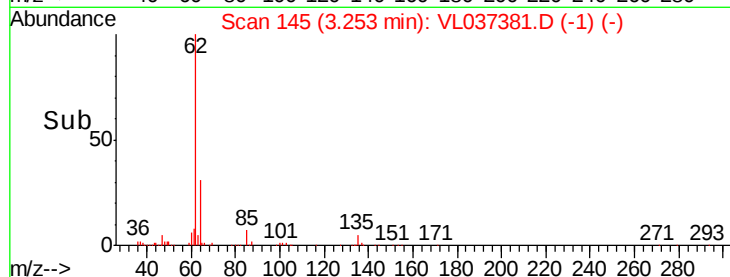
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 13.241 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL037381.D

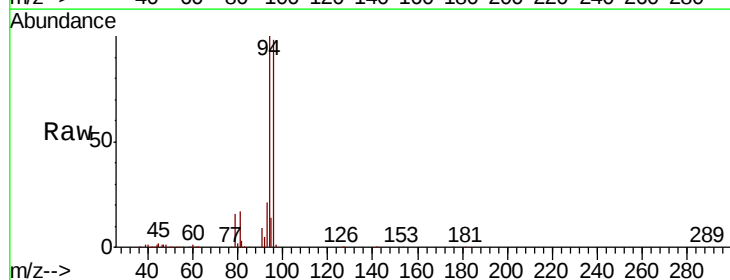
Acq: 11 Aug 2021 6:20

Tgt Ion: 94 Resp: 652654

Ion Ratio Lower Upper

94 100

96 98.2 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

400000

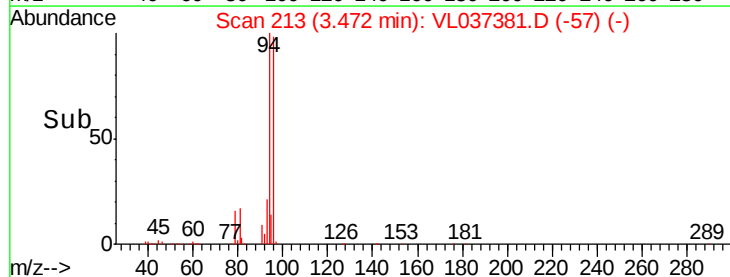
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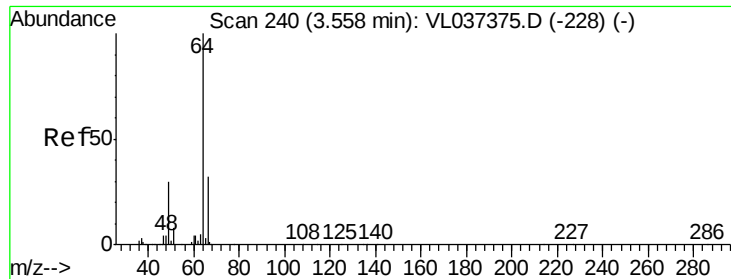
200000

100000

0

Time-->





#7

Chloroethane

Concen: 13.407 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 411871

Ion Ratio Lower Upper

64 100

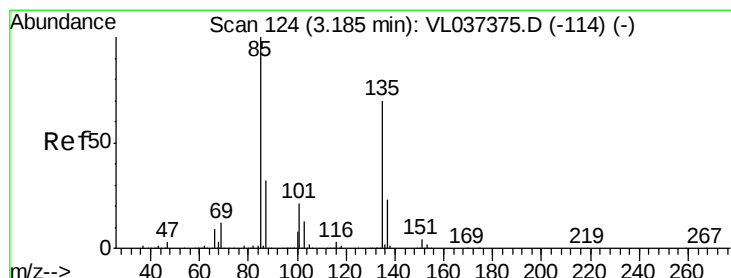
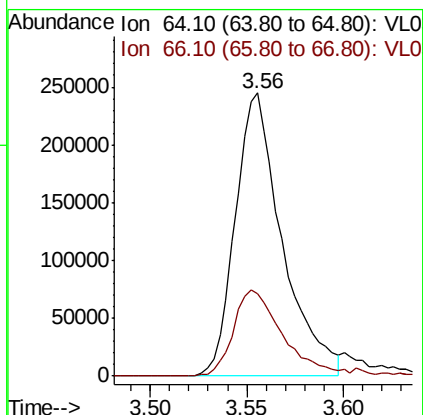
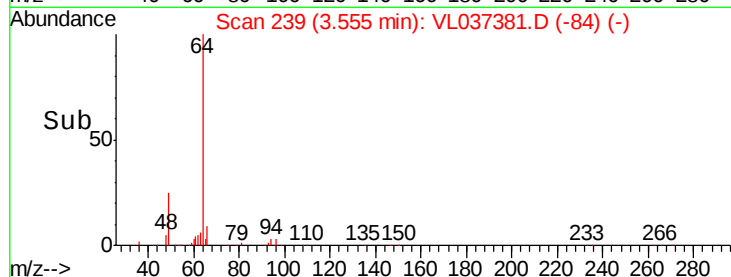
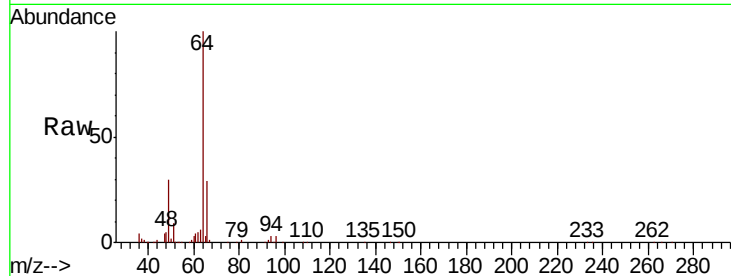
66 29.0 25.4 38.0

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#8

Dichlorotetrafluoroethane

Concen: 13.087 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037381.D

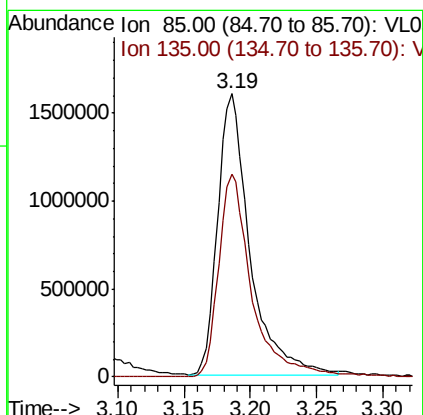
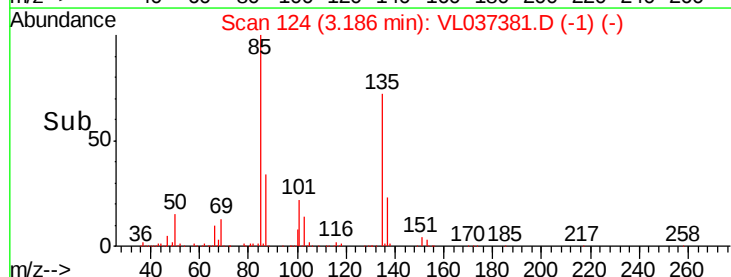
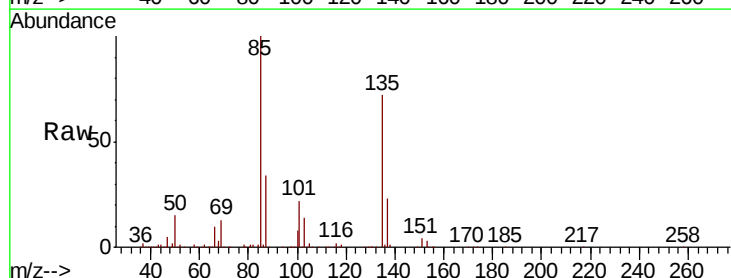
Acq: 11 Aug 2021 6:20

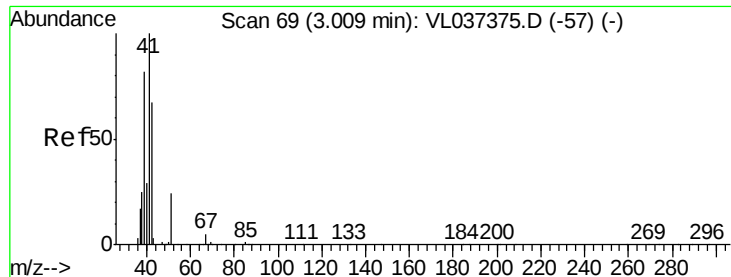
Tgt Ion: 85 Resp: 2696459

Ion Ratio Lower Upper

85 100

135 75.1 59.8 89.6





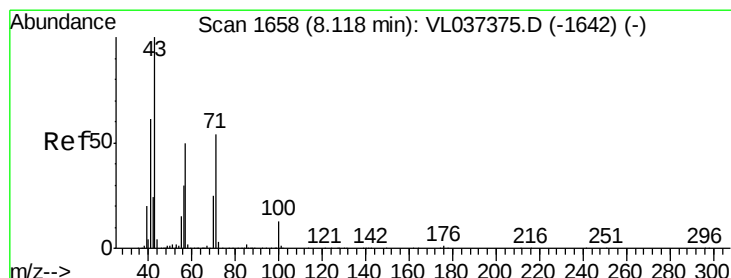
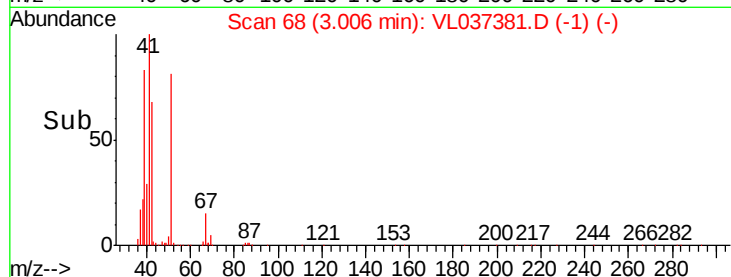
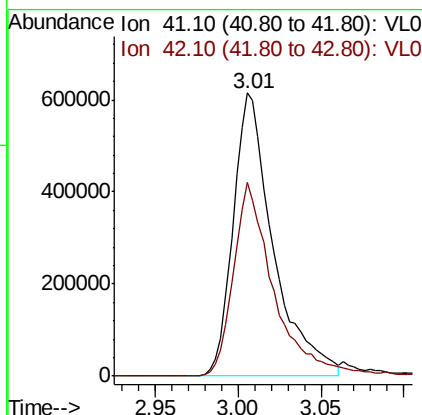
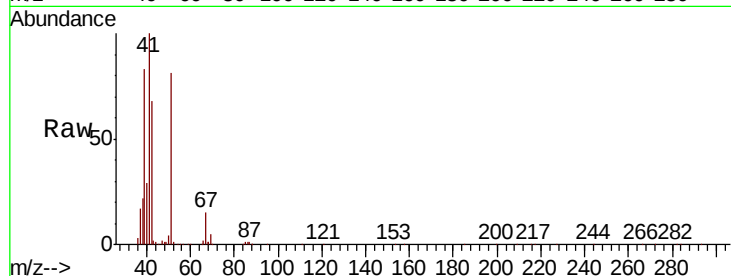
#9
 Propene
 Concen: 12.404 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 1035719
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.5 83.3

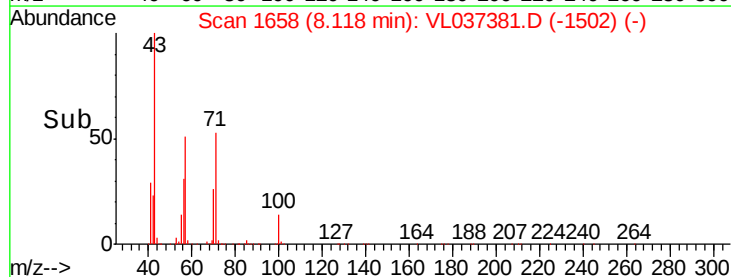
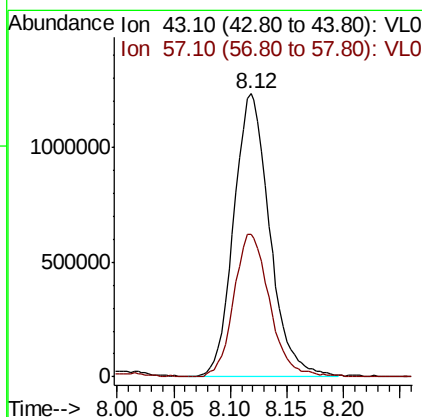
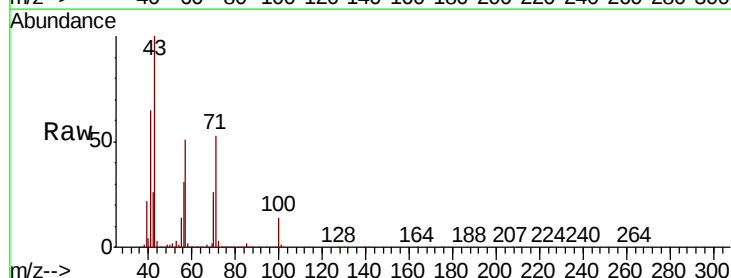
Manual Integrations
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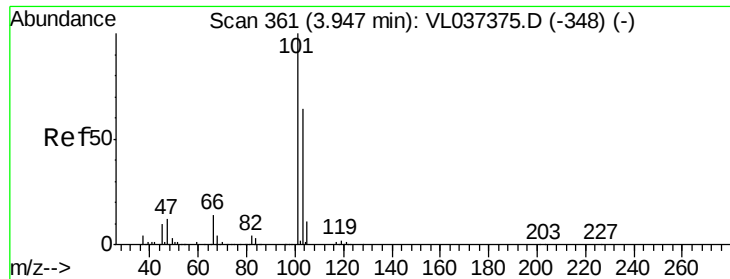
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#10
 Heptane
 Concen: 13.988 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion: 43 Resp: 2703365
 Ion Ratio Lower Upper
 43 100
 57 50.8 41.0 61.4





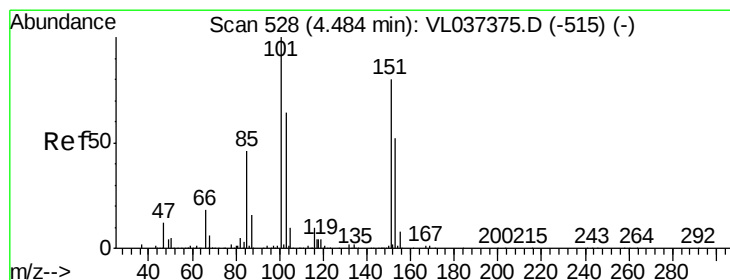
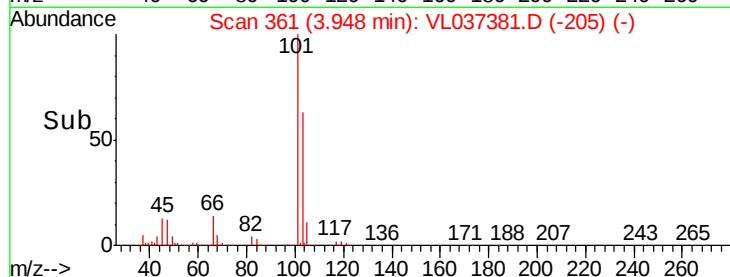
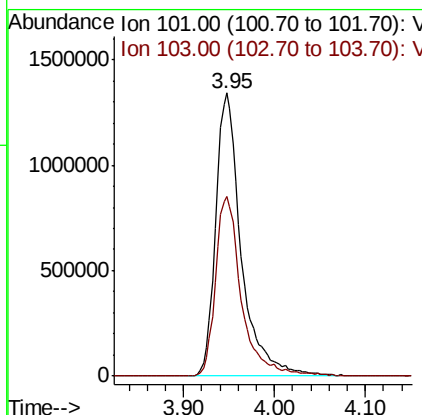
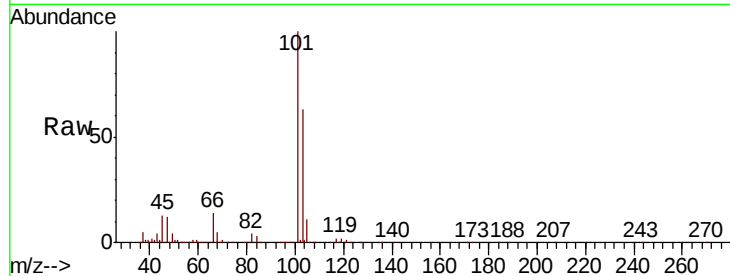
#11
 Trichlorofluoromethane
 Concen: 13.394 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2622224
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.2 76.8

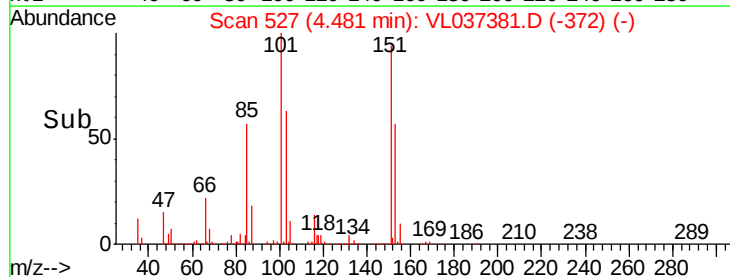
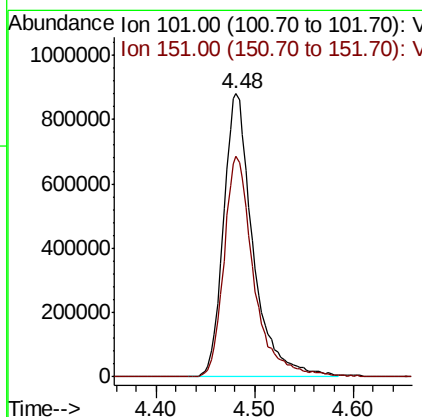
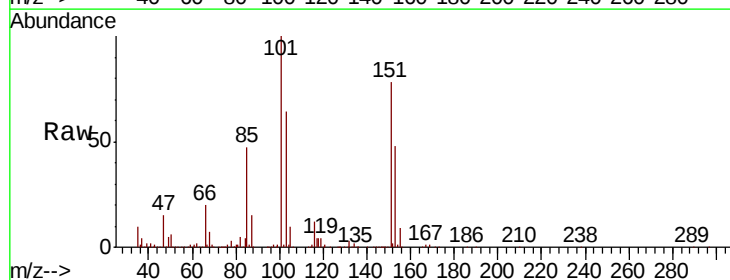
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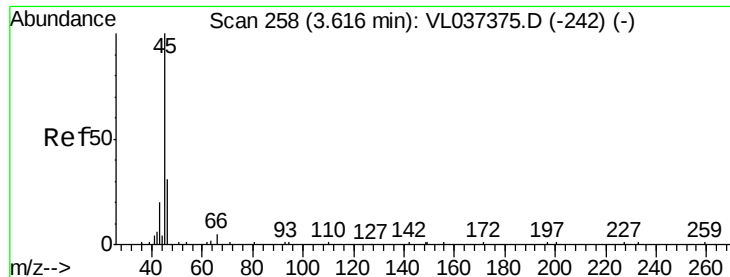
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.469 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion:101 Resp: 1850517
 Ion Ratio Lower Upper
 101 100
 151 79.0 64.9 97.3





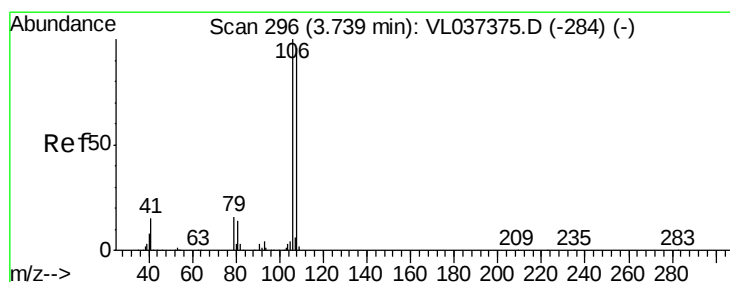
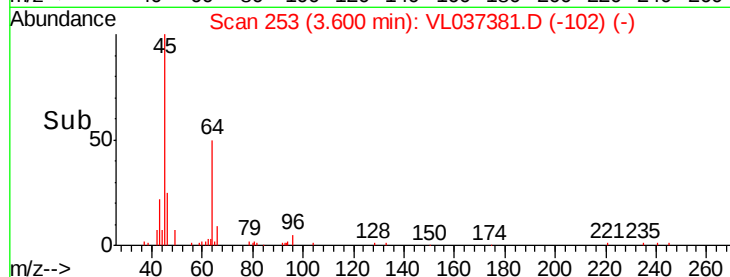
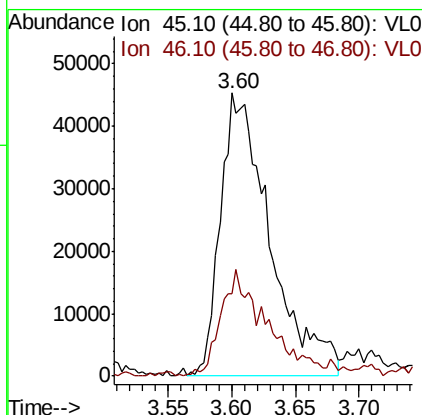
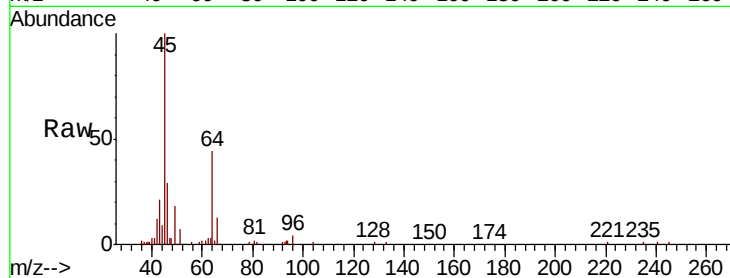
#13
Ethanol
Concen: 8.909 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. -0.02 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.8	59.2

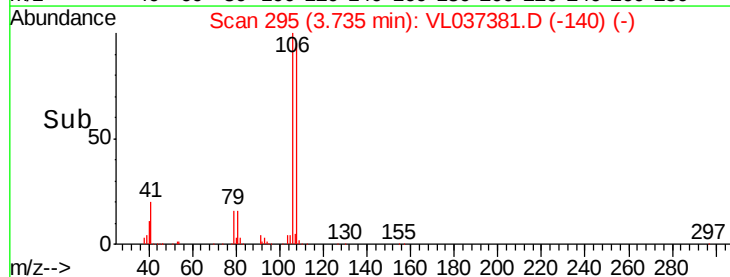
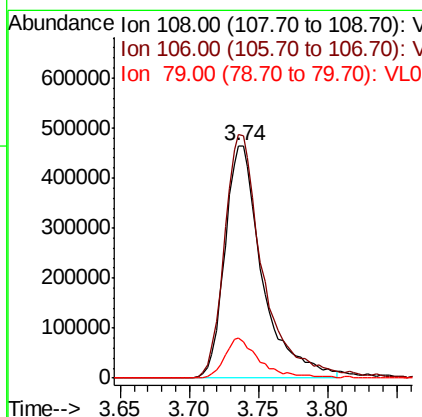
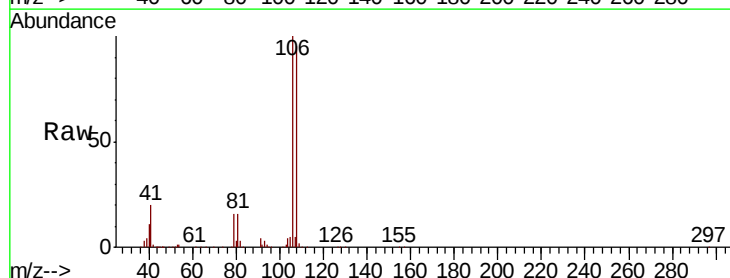
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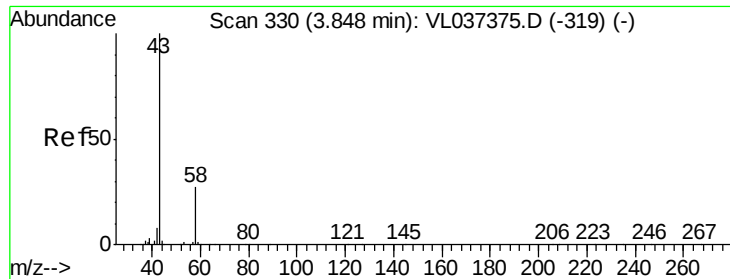
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#14
Bromoethene
Concen: 13.620 ppbv m
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.7	86.2	129.4
79	16.5	13.2	19.8





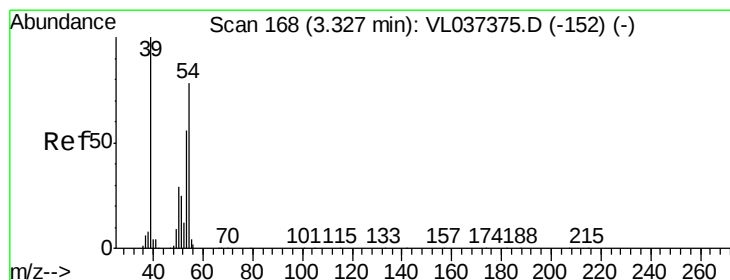
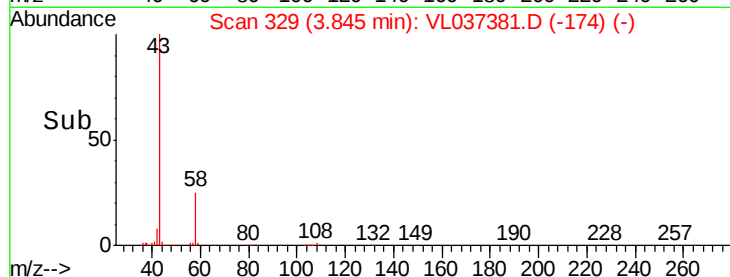
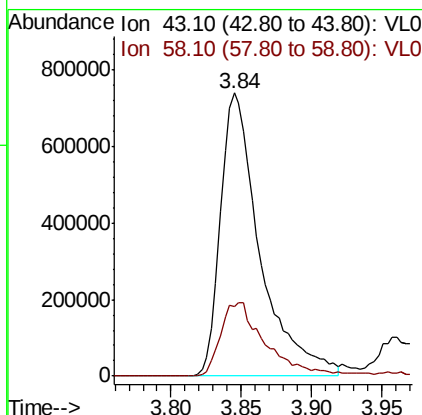
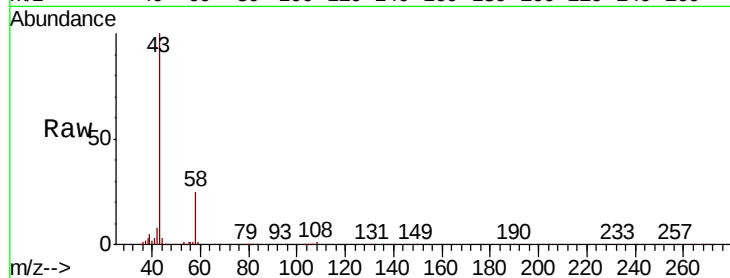
#15
Acetone
Concen: 11.333 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1445538
Ion Ratio Lower Upper
43 100
58 30.1 26.0 39.0

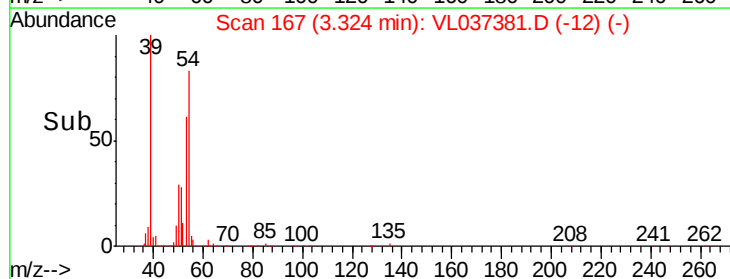
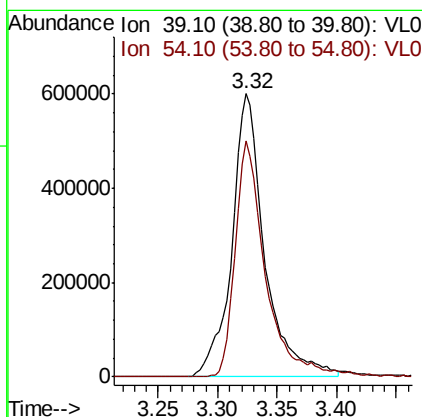
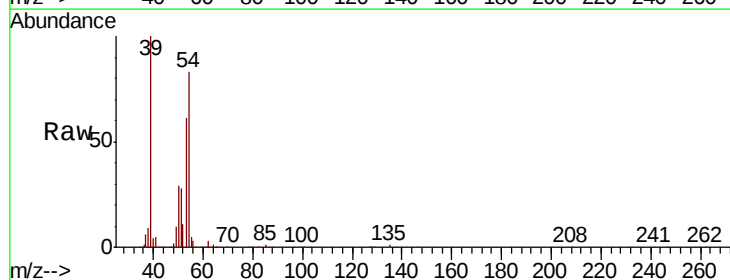
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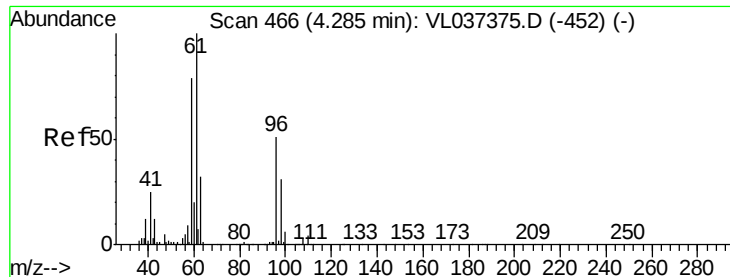
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#16
1,3-Butadiene
Concen: 12.990 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion: 39 Resp: 1137602
Ion Ratio Lower Upper
39 100
54 78.4 61.0 91.4





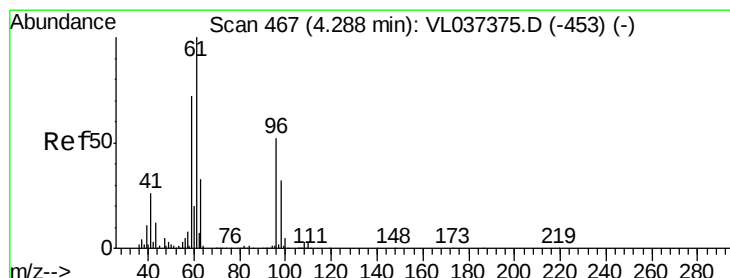
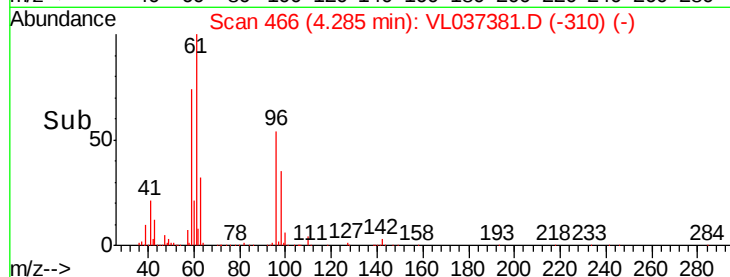
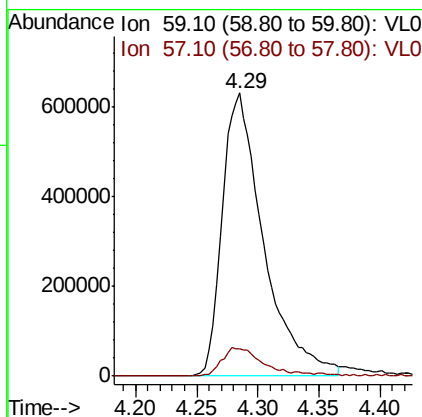
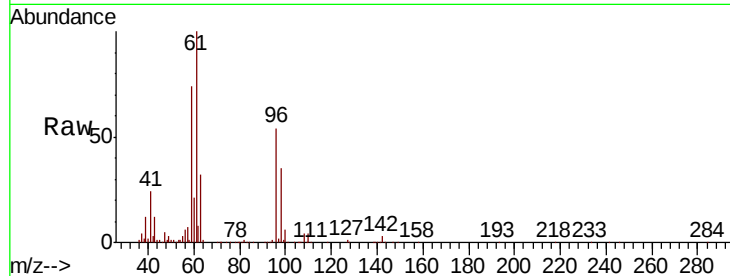
#17
tert-Butyl alcohol
Concen: 13.481 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1493439
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2

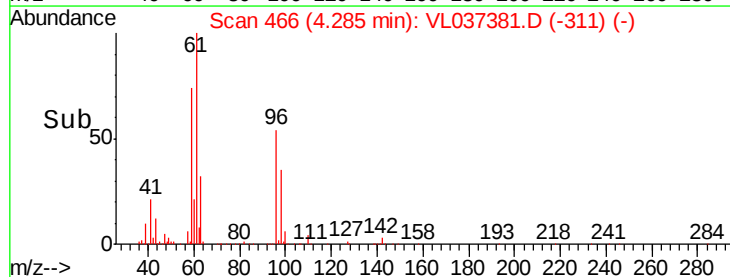
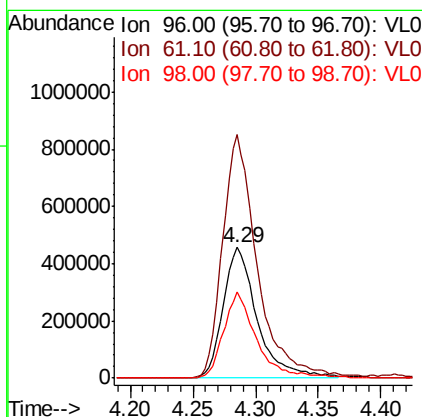
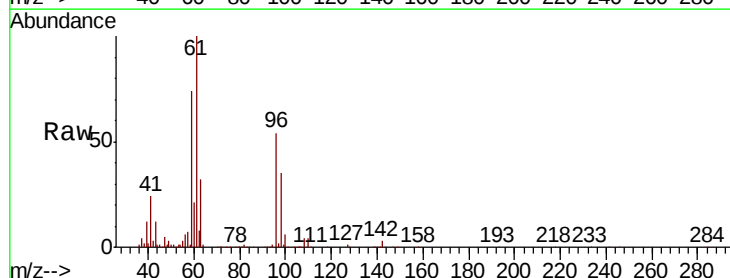
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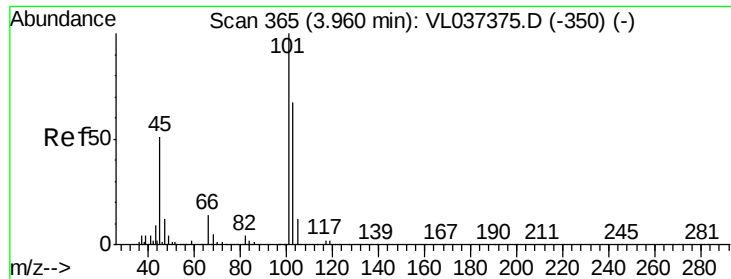
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#18
1,1-Dichloroethene
Concen: 13.517 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion: 96 Resp: 860462
Ion Ratio Lower Upper
96 100
61 186.0 153.2 229.8
98 65.3 49.5 74.3





#19

Isopropyl Alcohol

Concen: 12.759 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 918573

Ion Ratio Lower Upper

45 100

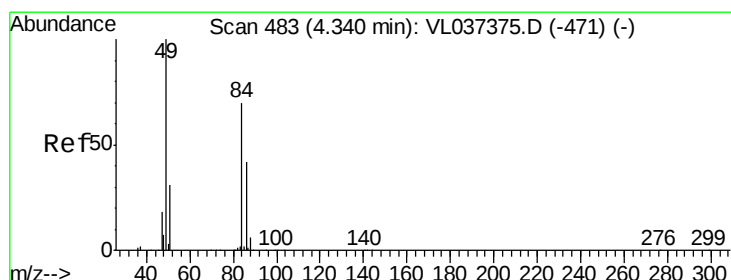
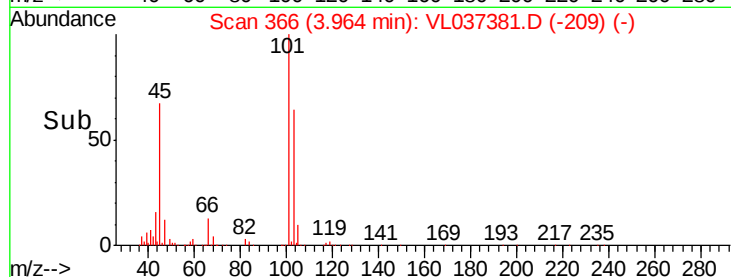
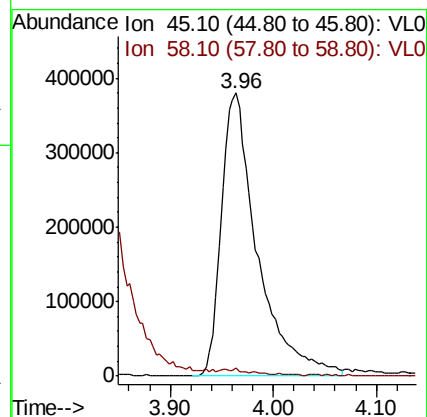
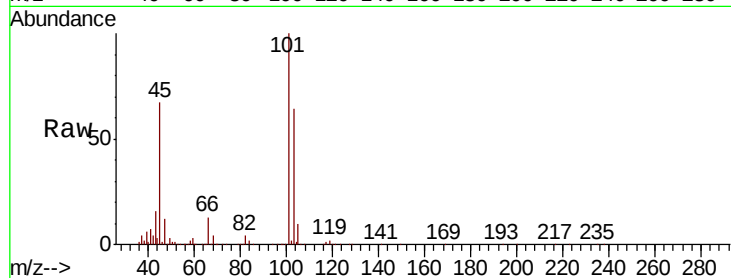
58 2.8 38.7 58.1#

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#20

Methylene Chloride

Concen: 11.326 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Tgt Ion: 84 Resp: 784541

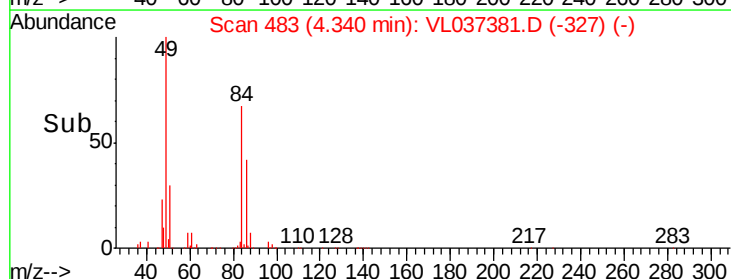
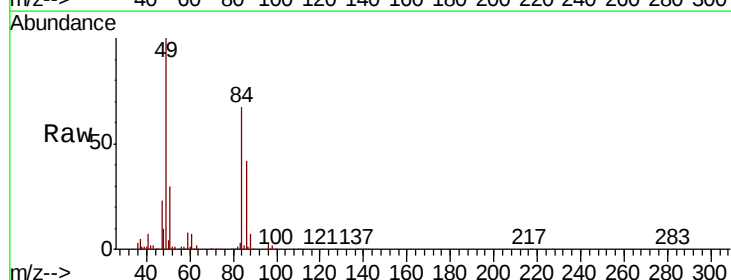
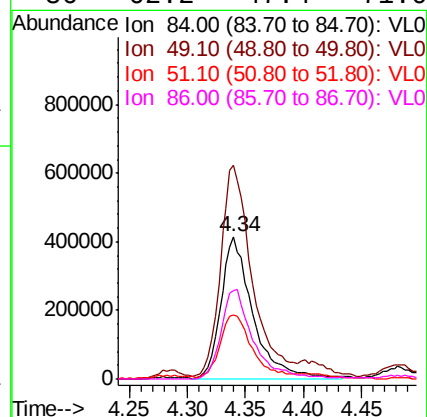
Ion Ratio Lower Upper

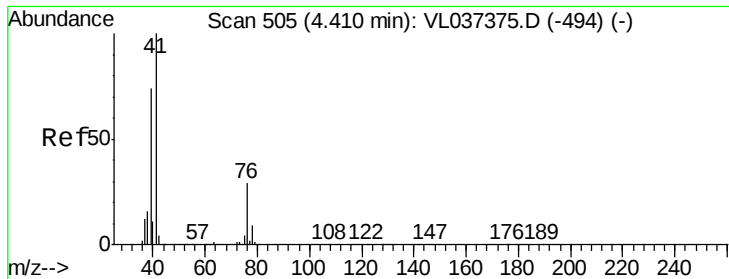
84 100

49 148.3 113.8 170.6

51 44.3 34.7 52.1

86 62.2 47.4 71.0





#21

Allvl Chloride

Concen: 14.253 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

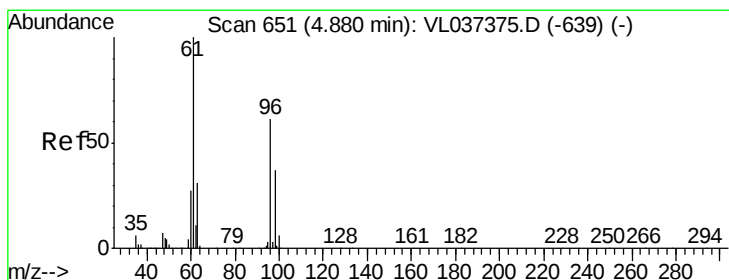
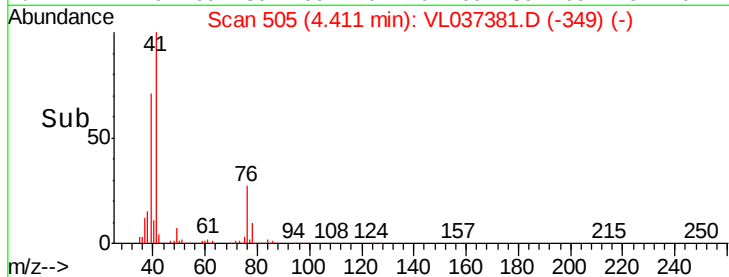
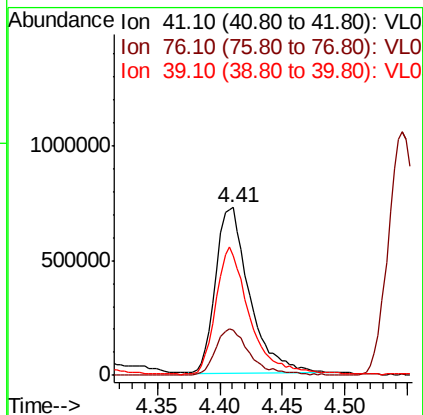
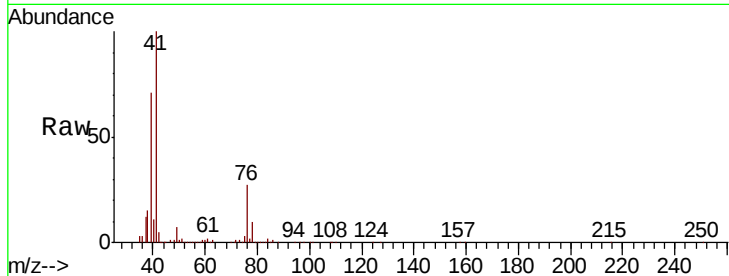
ClientSampleId :

VSTDIC015

Tot Ion:	41	Resp:	1369963
Ion	Ratio	Lower	Upper
41	100		
76	28.4	23.0	34.4
39	75.4	61.4	92.0

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#22

trans-1,2-Dichloroethene

Concen: 13.385 ppbv

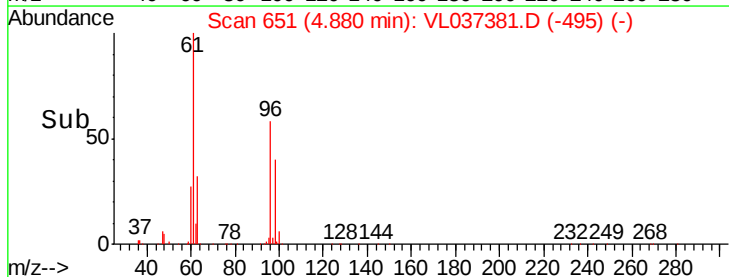
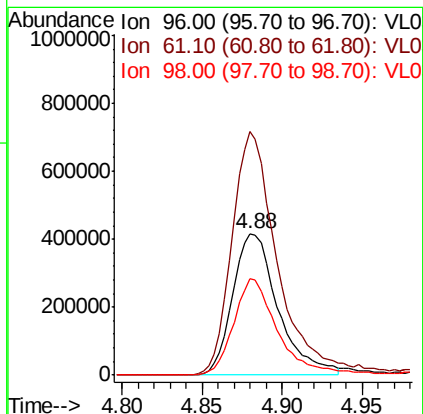
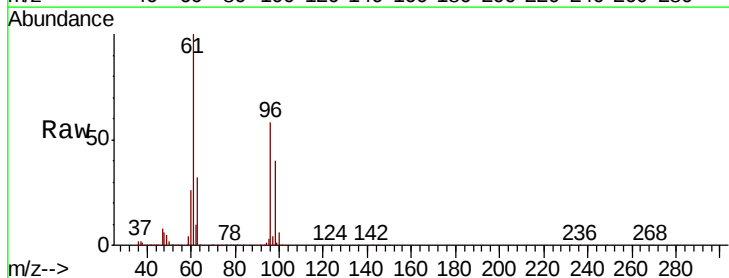
RT: 4.88 min Scan# 651

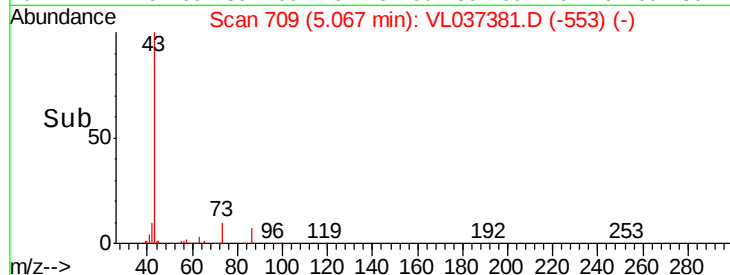
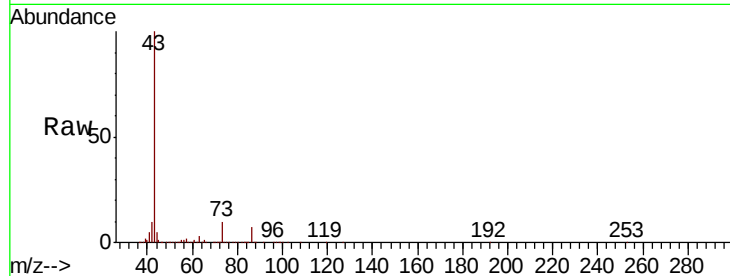
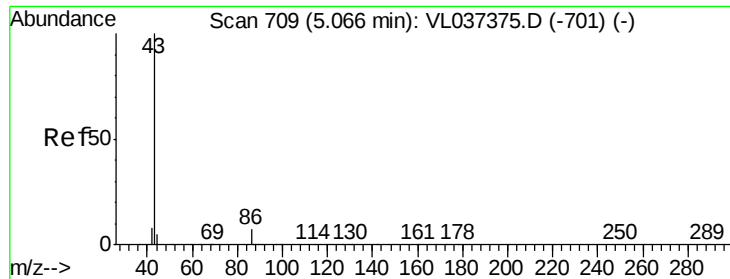
Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

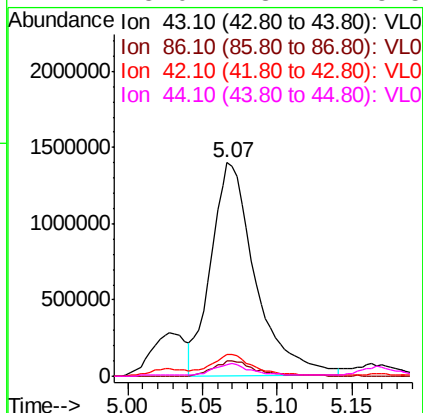
Tgt Ion:	96	Resp:	806675
Ion	Ratio	Lower	Upper
96	100		
61	171.8	132.2	198.4
98	68.0	48.7	73.1





#23
 Vinyl Acetate
 Concen: 14.608 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

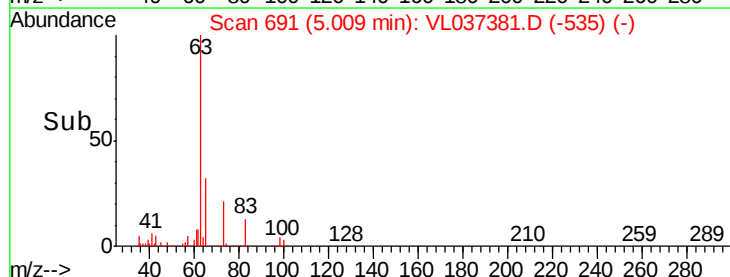
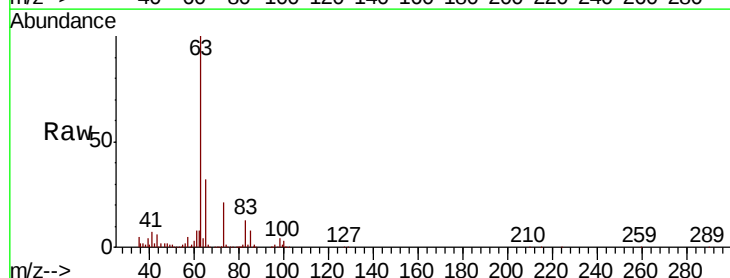
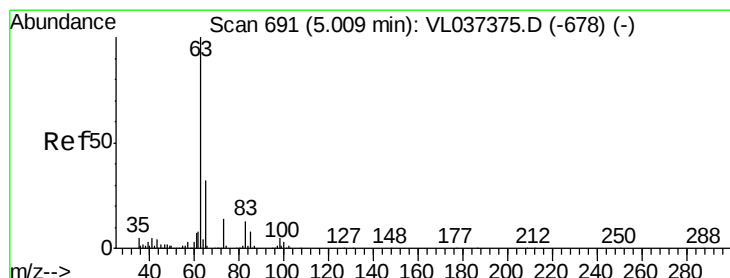
Tot Ion	43	Resp	2863331
Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.8	7.2
42	9.9	7.3	10.9
44	5.0	3.7	5.5



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

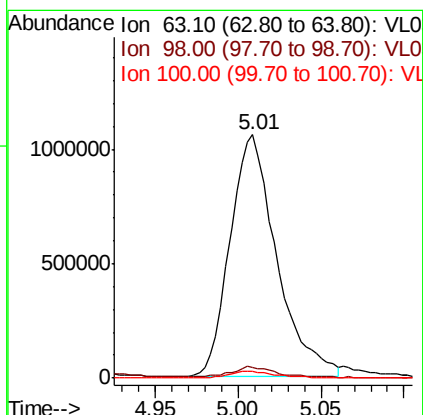
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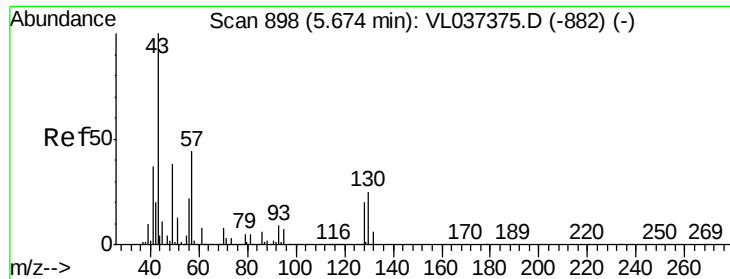
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#24
 1,1-Dichloroethane
 Concen: 13.428 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	63	Resp	2073710
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.5	7.5
100	2.6	1.4	4.2





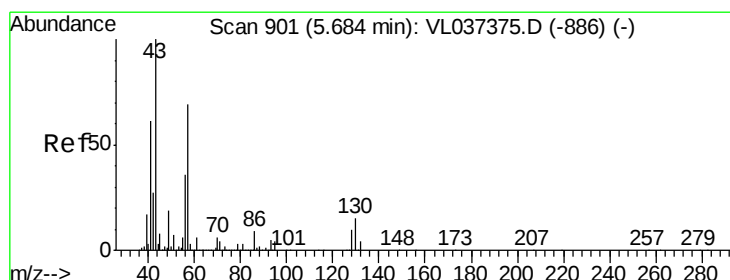
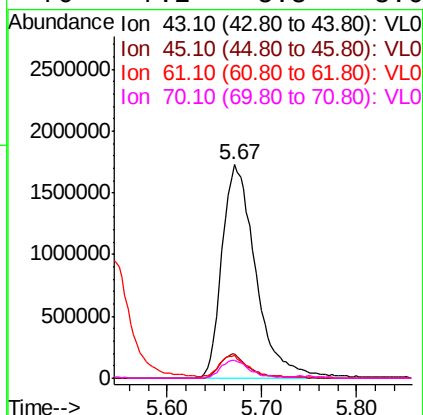
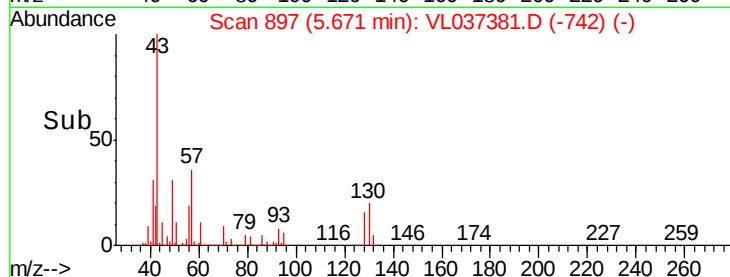
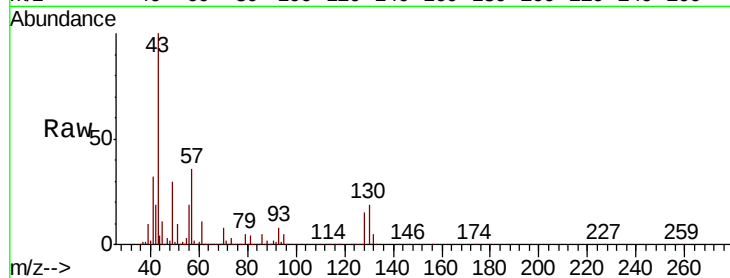
#25
Ethyl Acetate
Concen: 13.514 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	8.0	12.0	
61	9.5	7.7	11.5	
70	7.2	5.8	8.6	

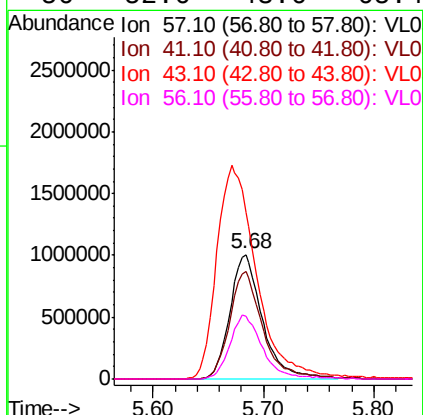
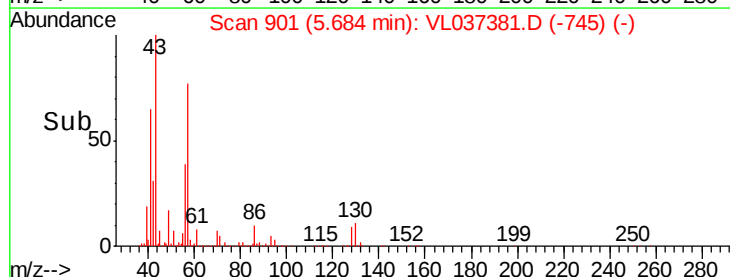
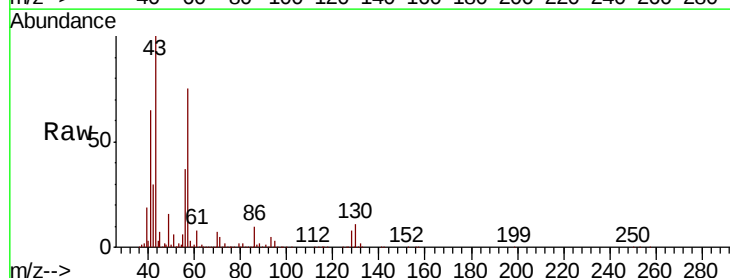
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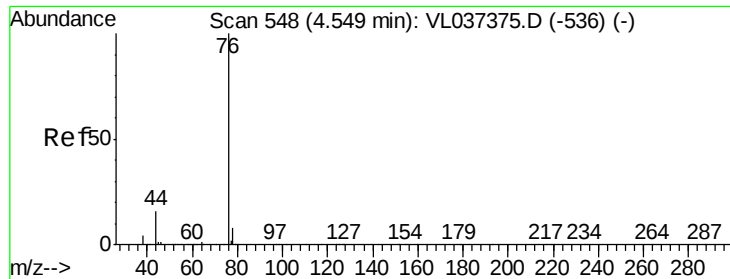
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#26
Hexane
Concen: 12.645 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.5	73.4	110.0	
43	209.9	174.4	261.6	
56	52.6	43.6	65.4	





#27

Carbon Disulfide

Concen: 15.864 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2067408

Ion Ratio Lower Upper

76 100

44 17.8 13.7 20.5

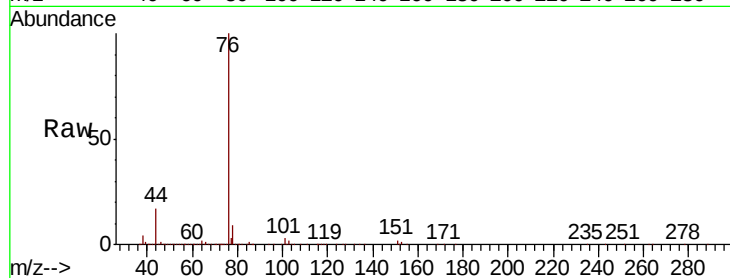
78 9.5 7.7 11.5

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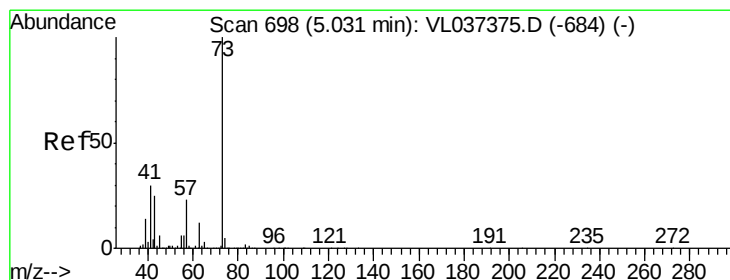
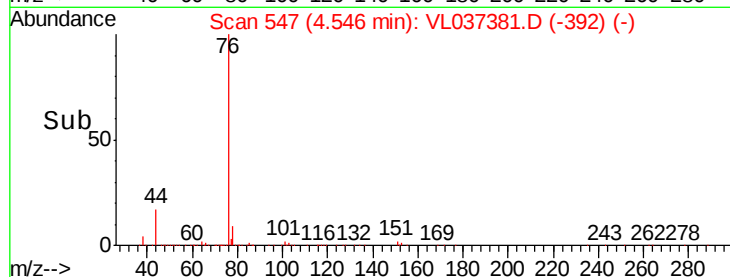
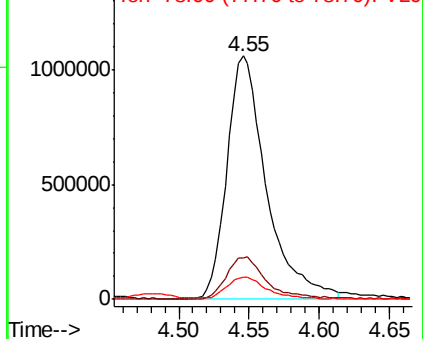
8/12/2021 10:16:47 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 13.849 ppbv m

RT: 5.03 min Scan# 697

Delta R.T. -0.00 min

Lab File: VL037381.D

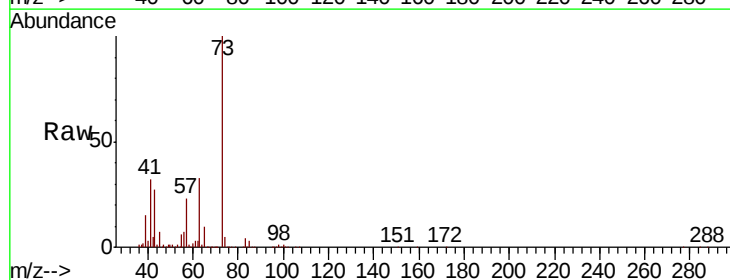
Acq: 11 Aug 2021 6:20

Tgt Ion: 73 Resp: 2323303

Ion Ratio Lower Upper

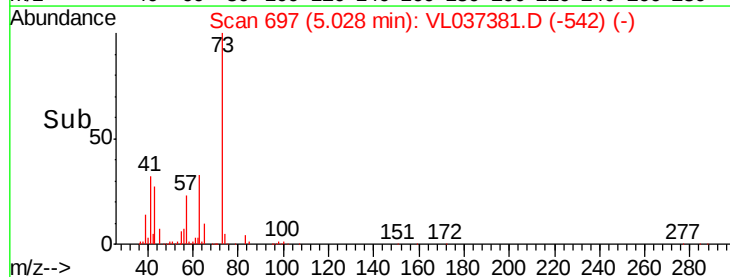
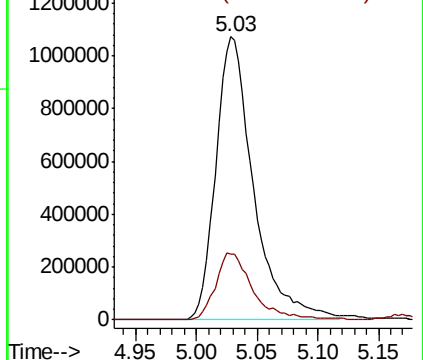
73 100

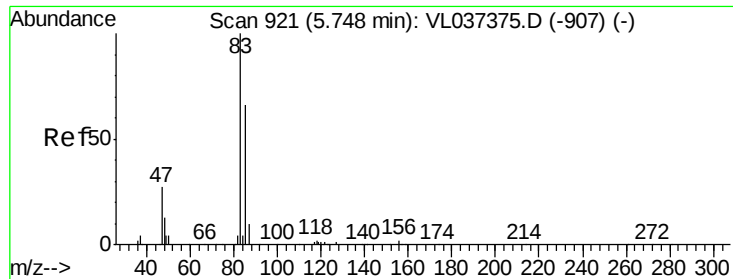
57 23.5 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





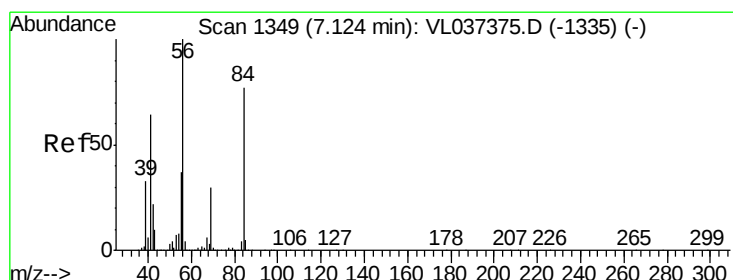
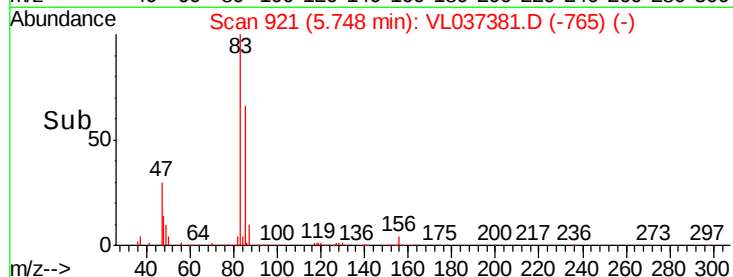
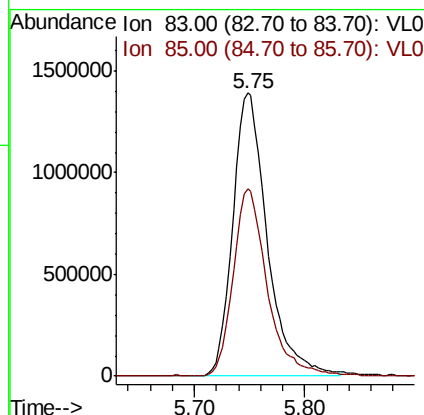
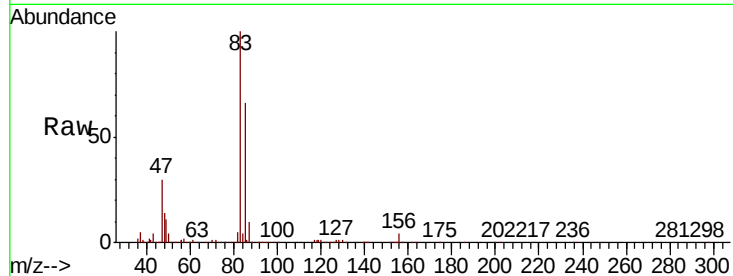
#29
Chloroform
Concen: 13.305 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3017673
Ion Ratio Lower Upper
83 100
85 65.9 52.8 79.2

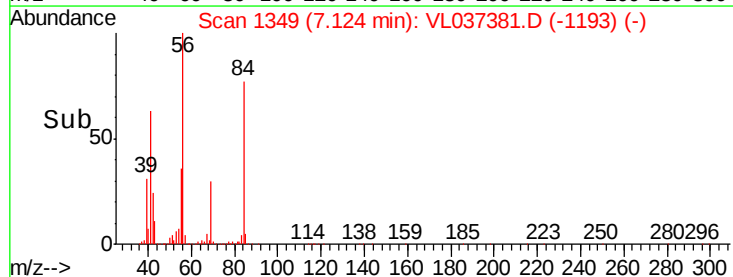
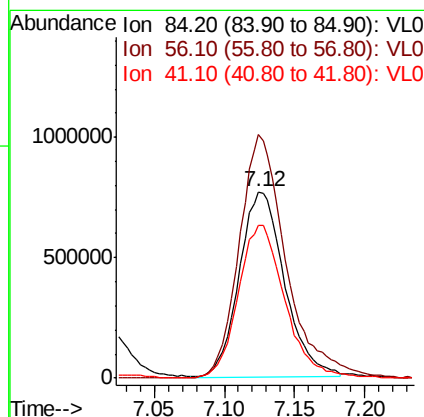
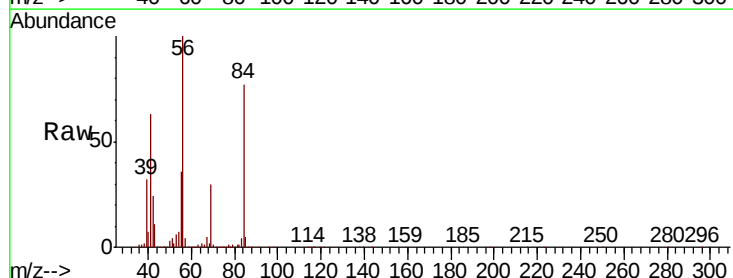
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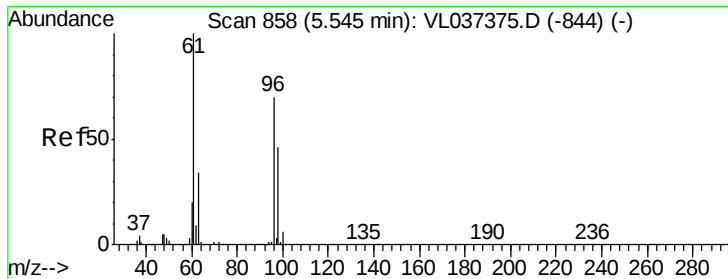
apatel
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#30
Cyclohexane
Concen: 12.970 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion: 84 Resp: 1735735
Ion Ratio Lower Upper
84 100
56 136.6 109.2 163.8
41 85.0 66.6 100.0





#31

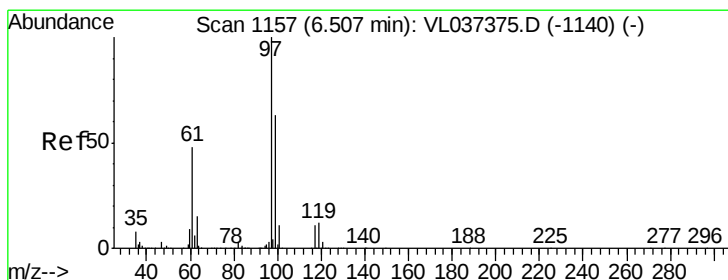
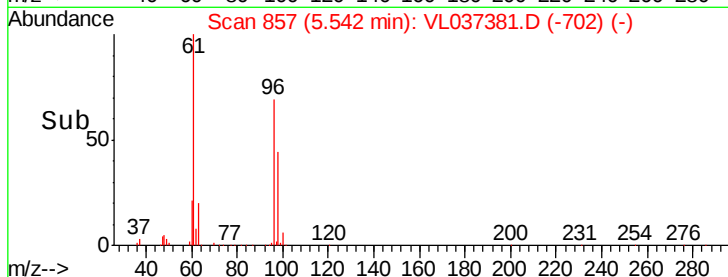
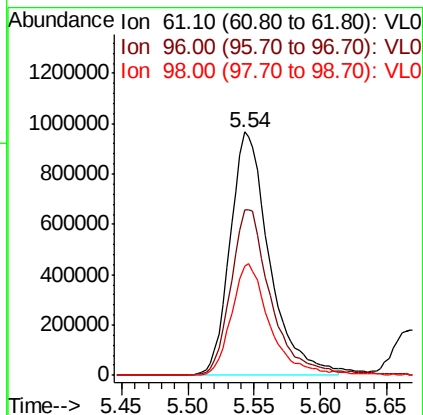
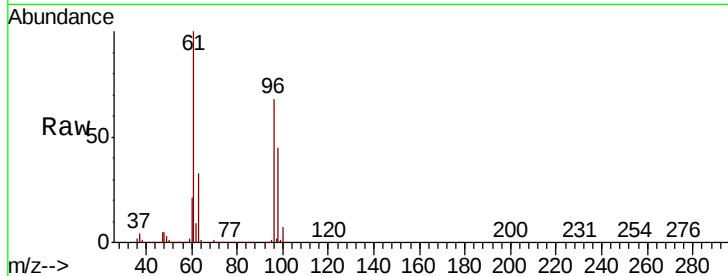
cis-1,2-Dichloroethene
Concen: 14.001 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.0	56.0	84.0
98	44.9	36.8	55.2

Manual Integrations
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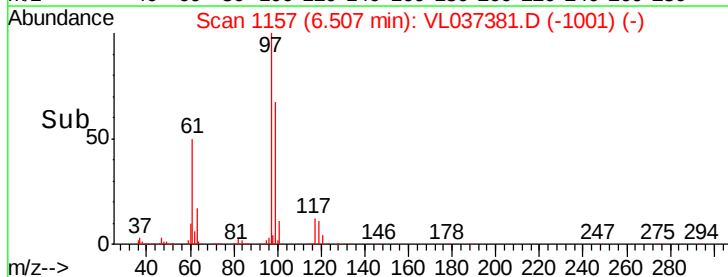
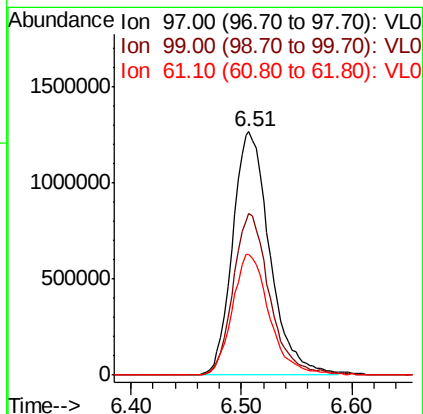
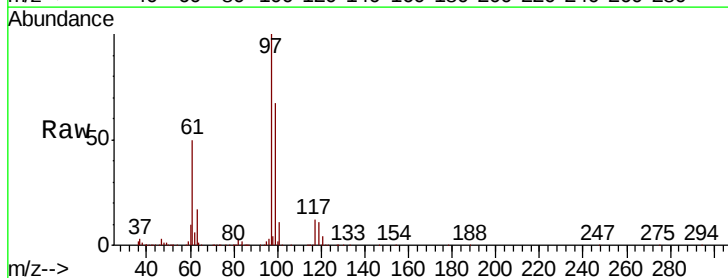
apatel
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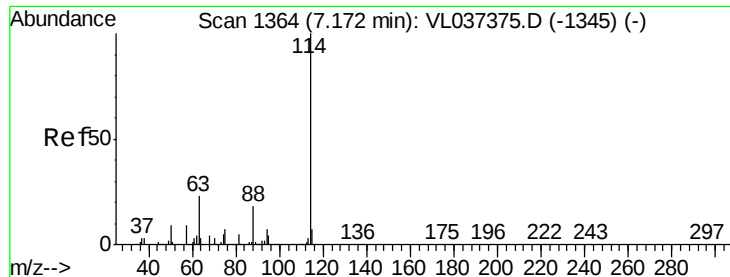


#32

1,1,1-Trichloroethane
Concen: 13.422 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.7	79.1
61	49.7	39.9	59.9





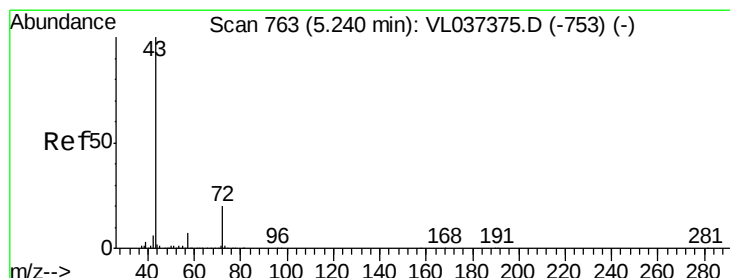
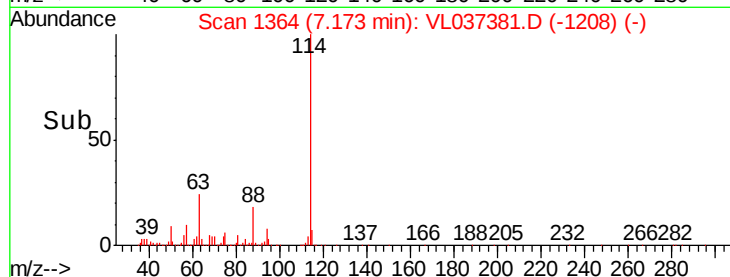
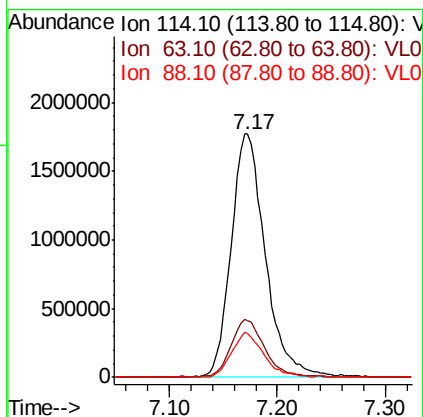
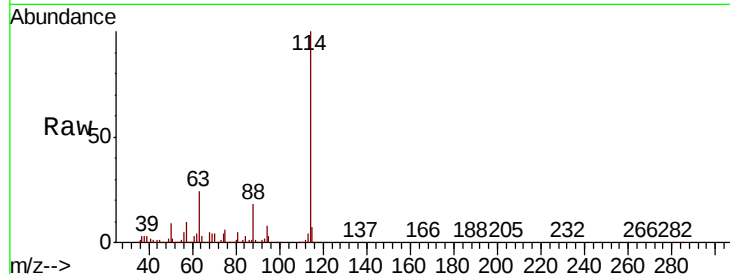
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.5	29.3
88	17.6	14.3	21.5

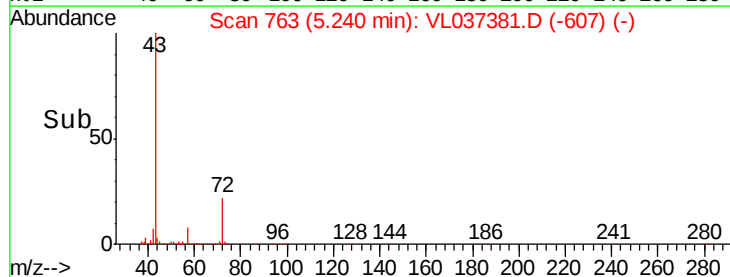
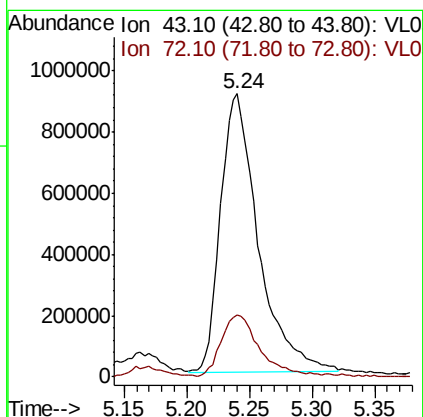
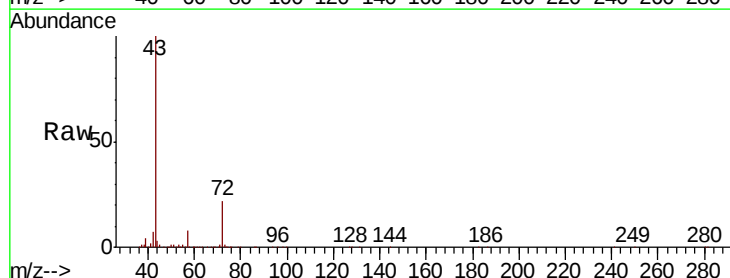
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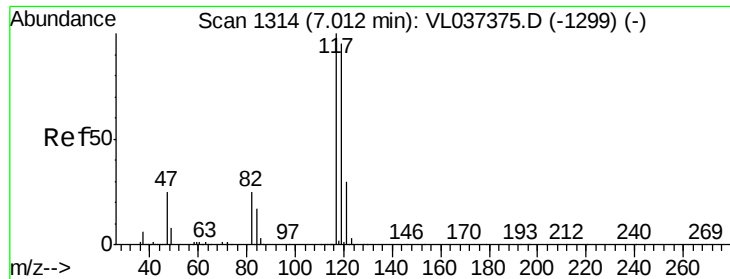
apatel
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#34
 2-Butanone
 Concen: 13.276 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	19.7	29.5





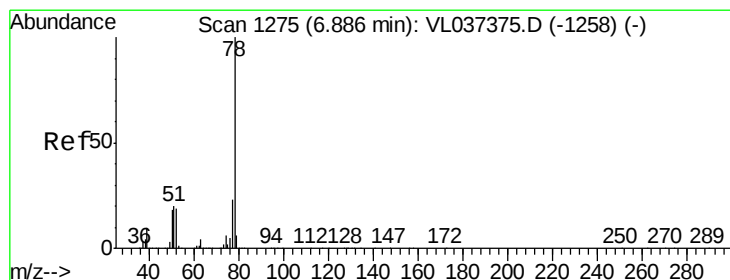
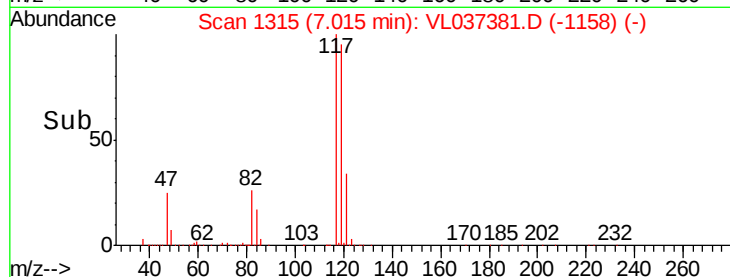
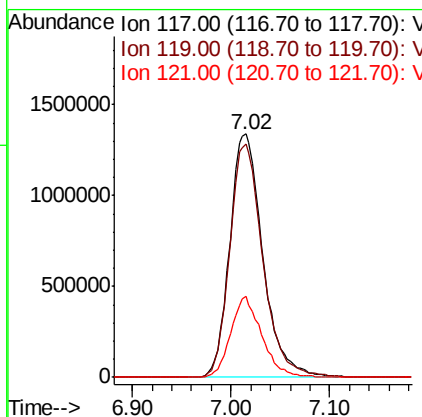
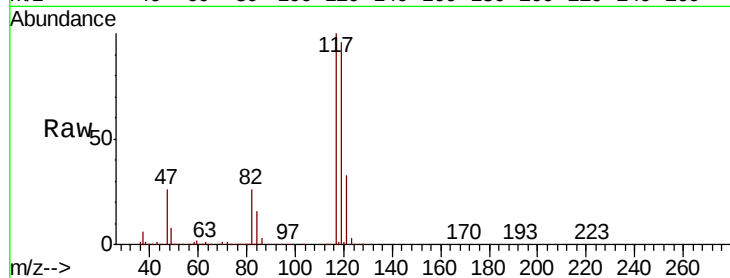
#35
Carbon Tetrachloride
Concen: 14.230 ppbv
RT: 7.02 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	33.3	24.4	36.6

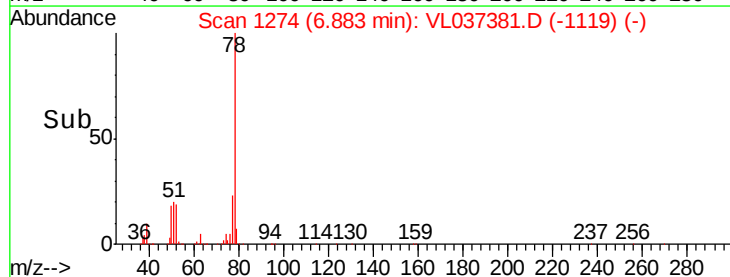
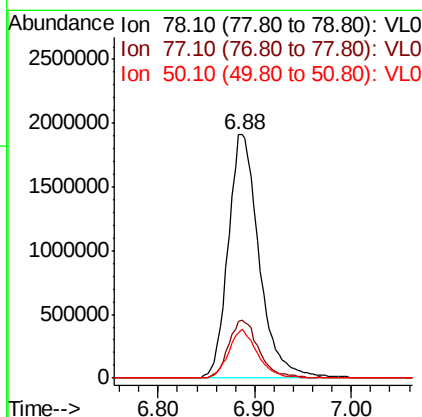
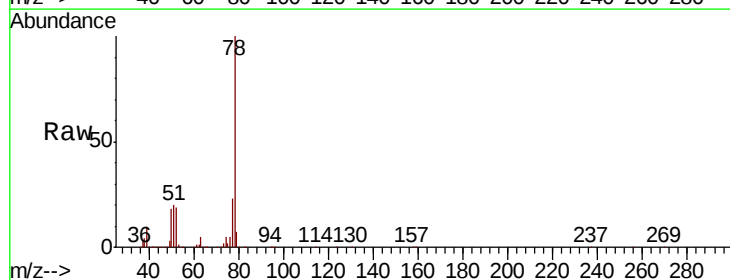
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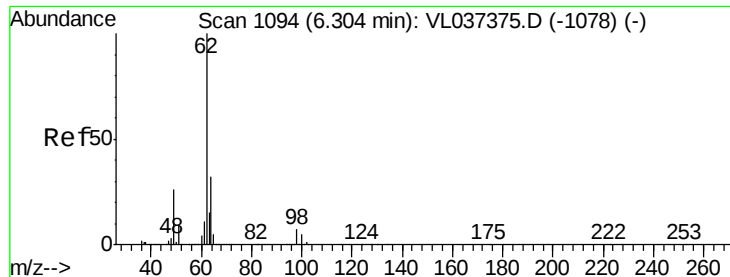
apatel
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#36
Benzene
Concen: 13.388 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0
50	18.4	14.3	21.5





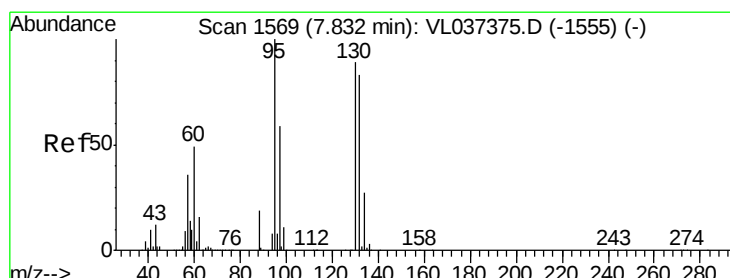
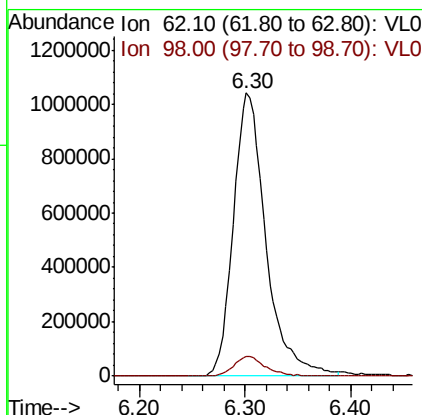
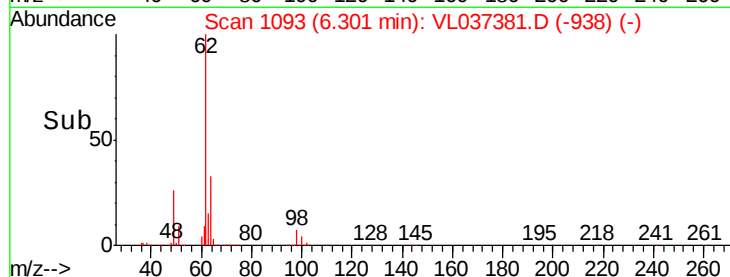
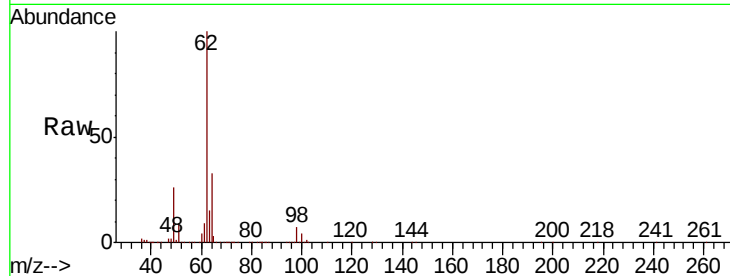
#37
1,2-Dichloroethane
Concen: 13.822 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.8	8.8

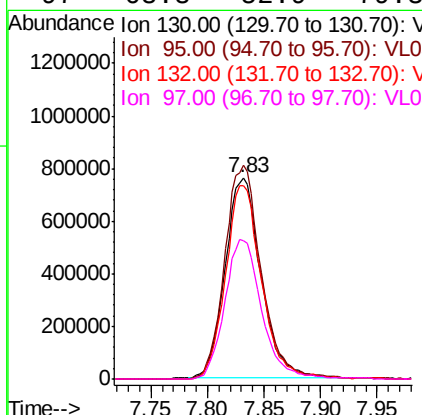
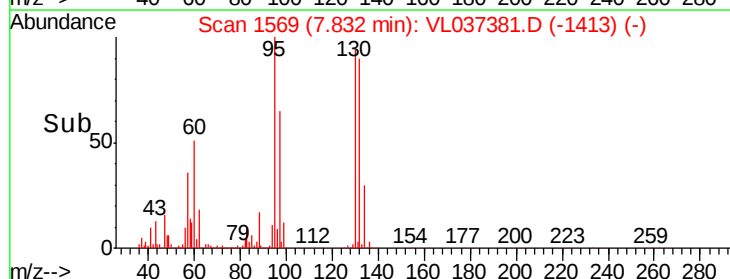
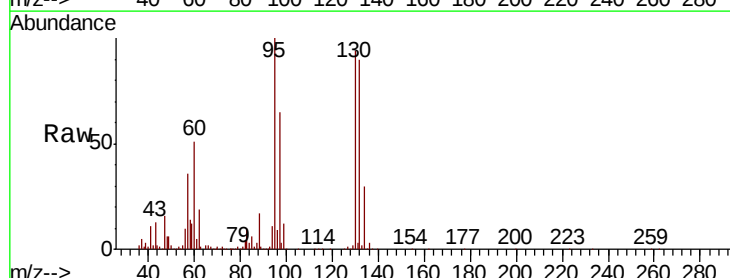
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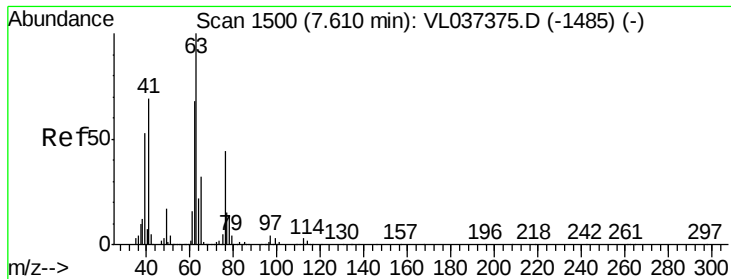
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#38
Trichloroethene
Concen: 12.346 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	89.5	134.3
132	96.2	74.2	111.4
97	68.8	52.9	79.3





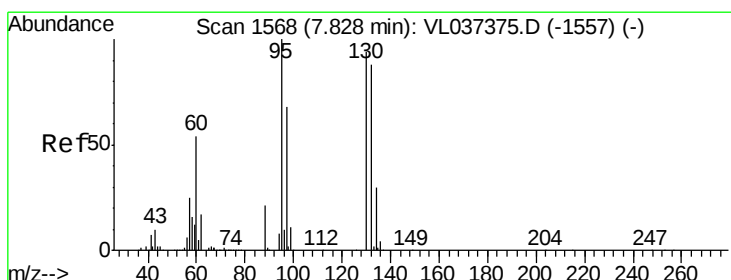
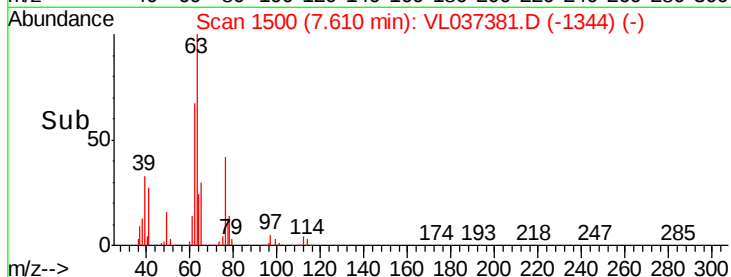
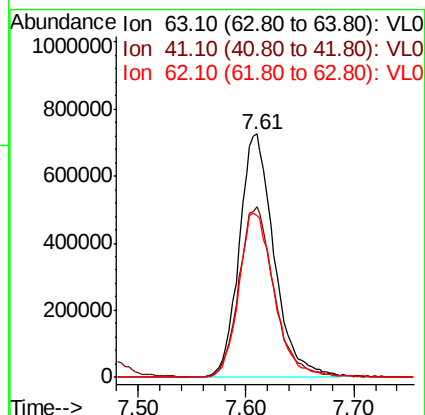
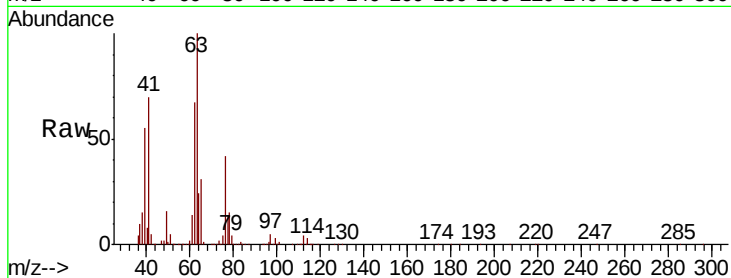
#39
 1,2-Dichloropropane
 Concen: 14.229 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.1	54.8	82.2
62	66.5	54.5	81.7

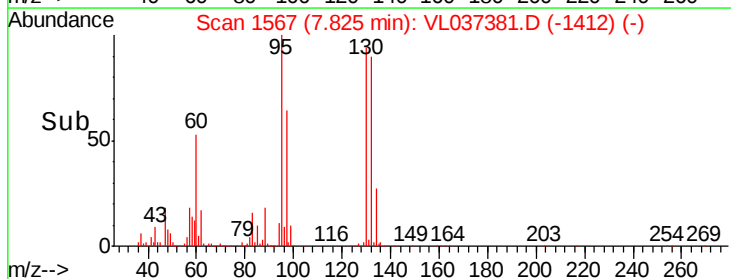
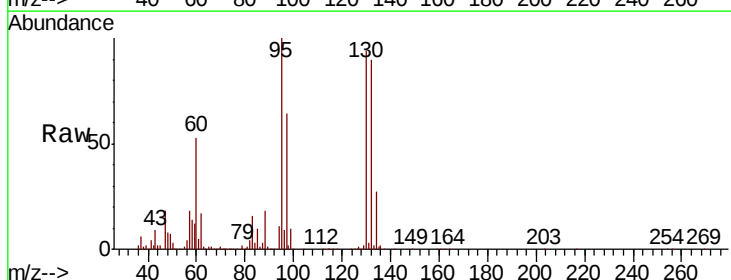
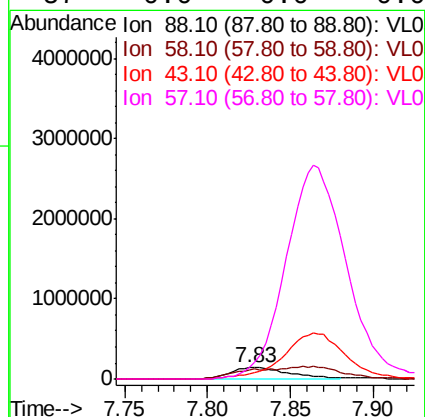
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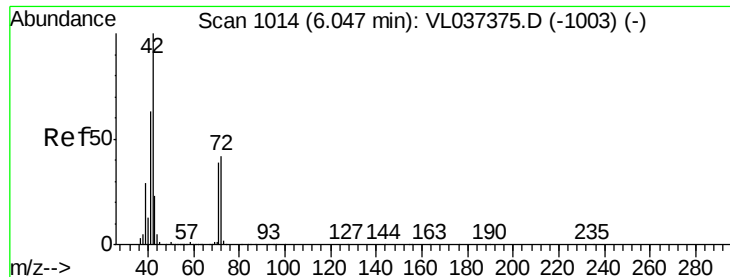
apatel
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#40
 1,4-Dioxane
 Concen: 11.314 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





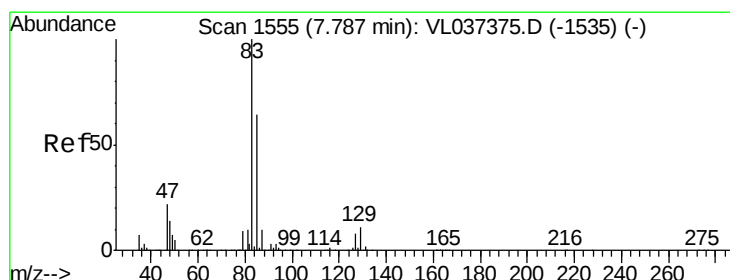
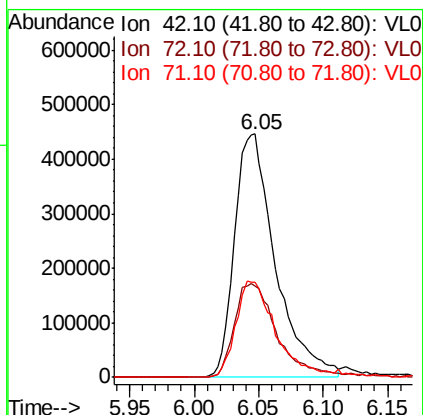
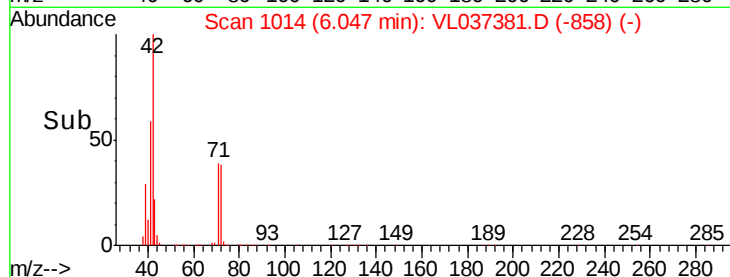
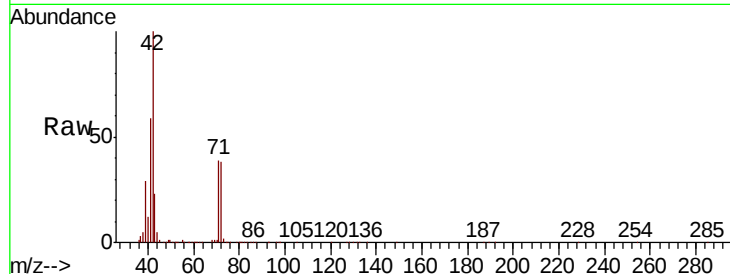
#41
Tetrahydrofuran
Concen: 13.885 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.4	51.6
71	40.0	32.3	48.5

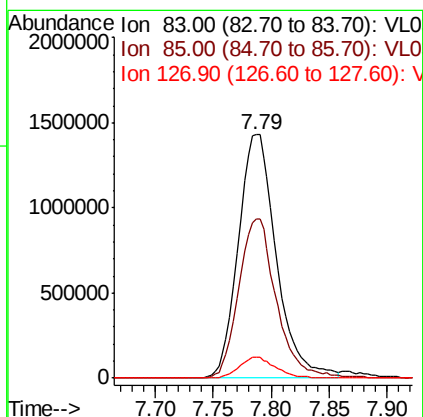
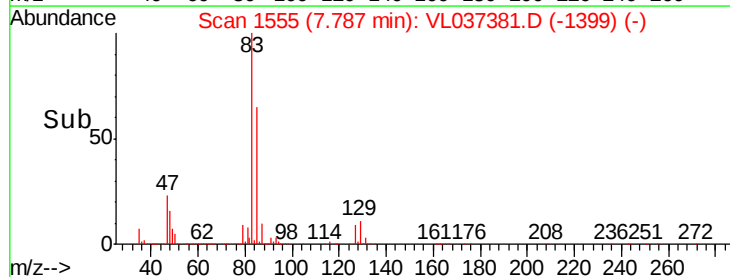
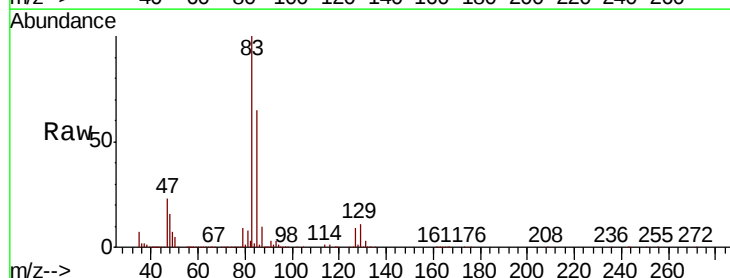
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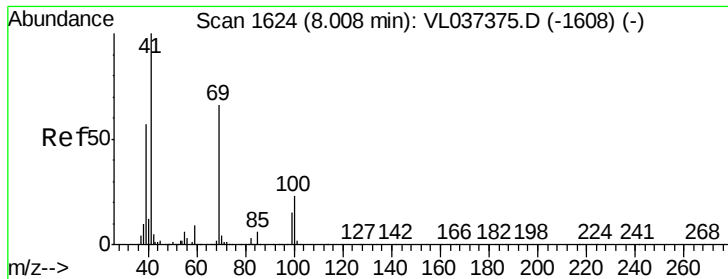
apatel
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#42
Bromodichloromethane
Concen: 14.618 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8
127	8.7	6.7	10.1





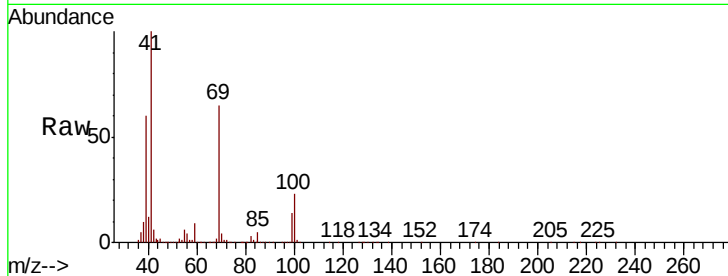
#43
Methvl Methacrilate
Concen: 14.302 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.1	119.1	178.7
100	35.0	27.7	41.5

Manual Integrations
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apatel
8/12/2021 10:16:47 AM

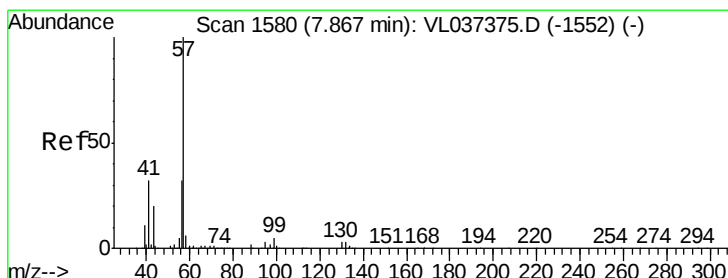
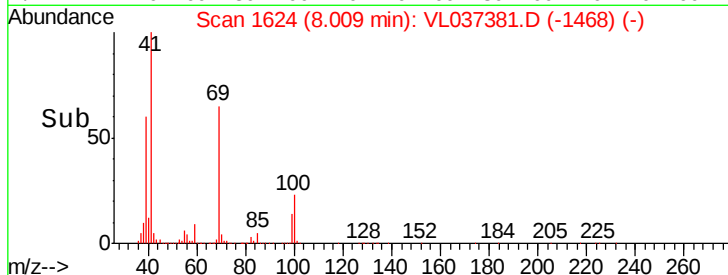
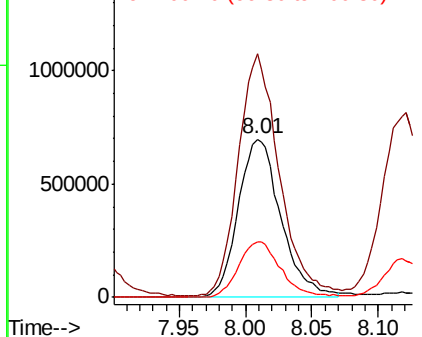


Abundance

Ion 69.10 (68.80 to 69.80): VL0

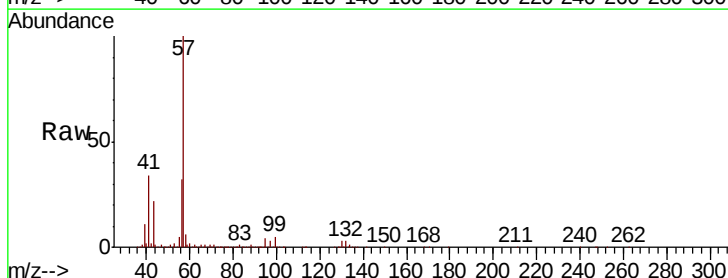
Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44
2,2,4-Trimethylpentane
Concen: 12.883 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.1	39.1
56	32.0	25.1	37.7

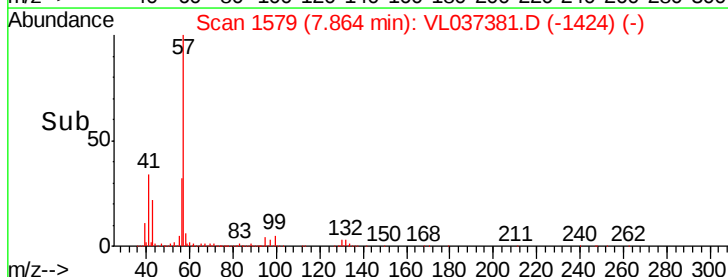
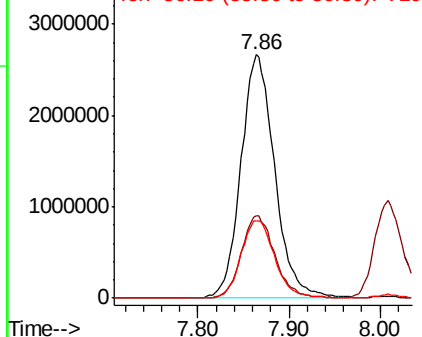


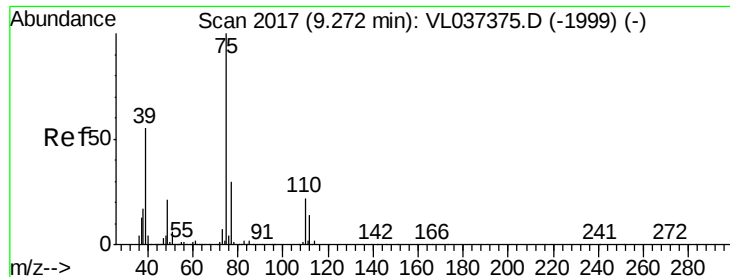
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 18.128 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 1411621

Ion Ratio Lower Upper

75 100

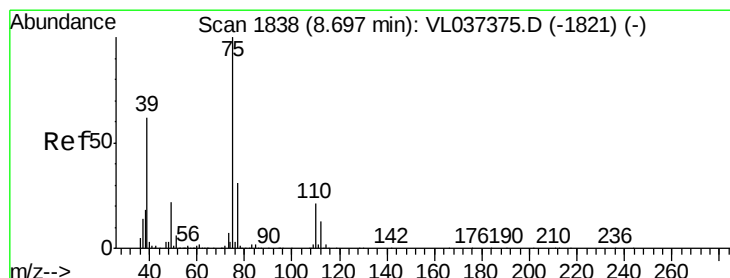
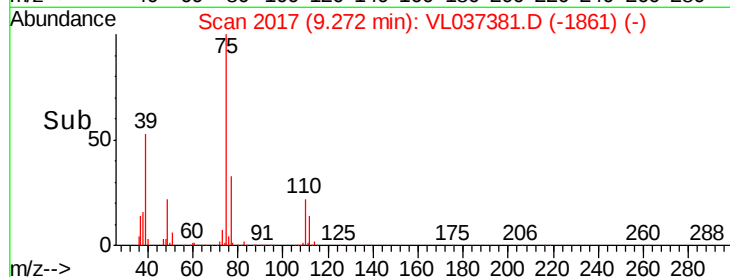
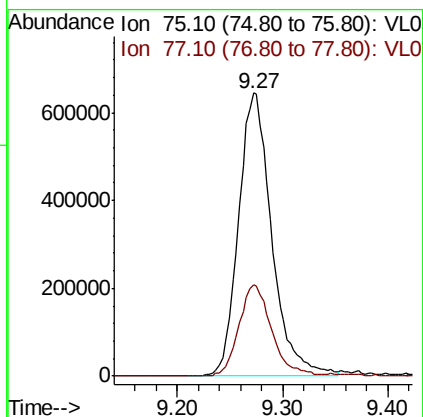
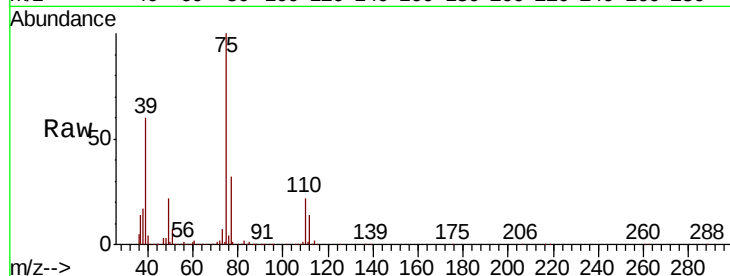
77 32.5 24.1 36.1

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#46

cis-1,3-Dichloropropene

Concen: 16.409 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

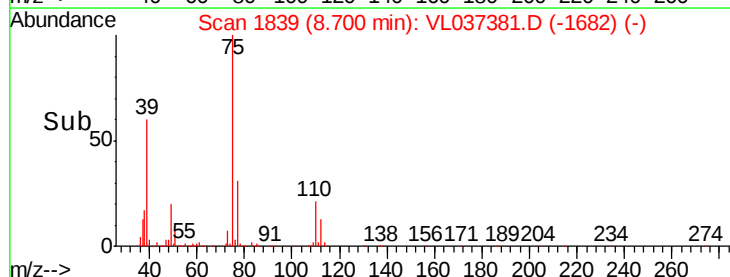
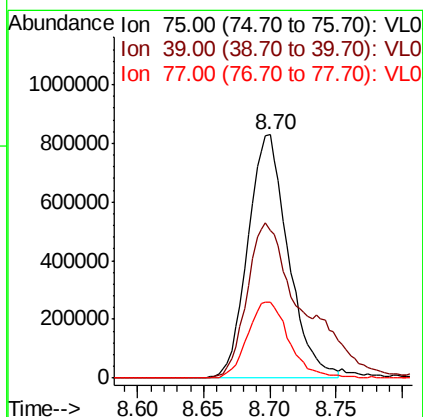
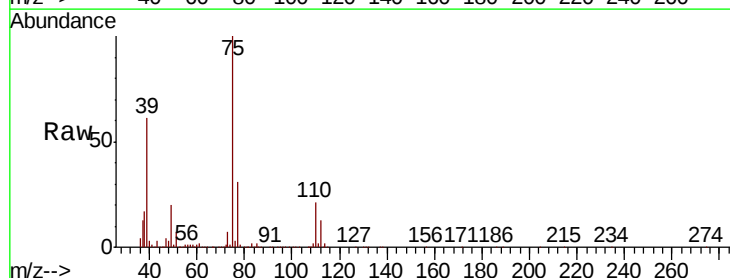
Tgt Ion: 75 Resp: 1751906

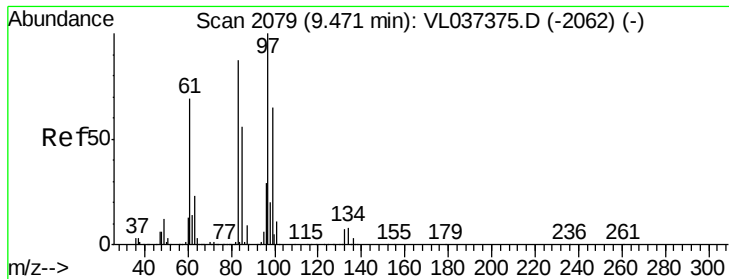
Ion Ratio Lower Upper

75 100

39 60.8 49.4 74.2

77 31.0 25.0 37.6





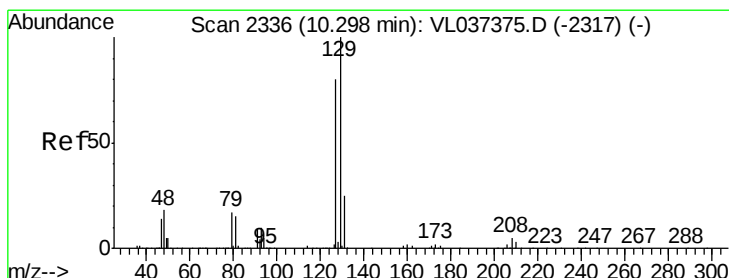
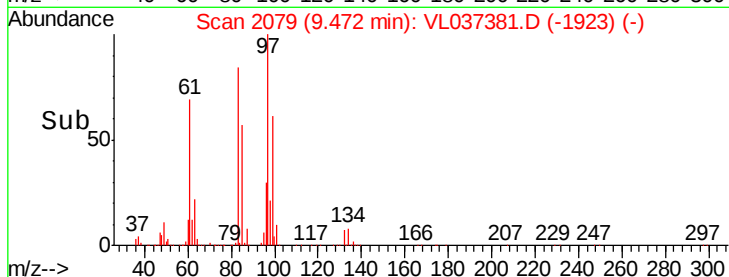
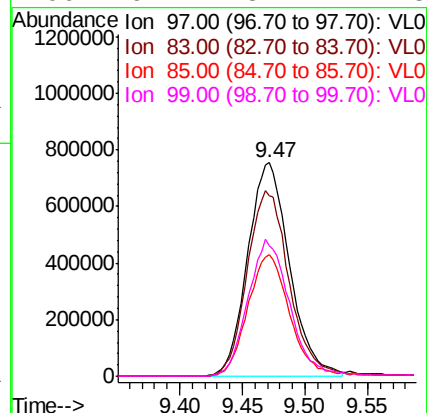
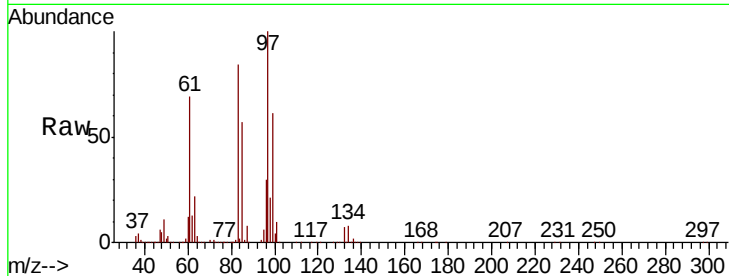
#47
 1,1,2-Trichloroethane
 Concen: 13.395 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.3	69.4	104.0	
85	57.0	45.0	67.4	
99	61.4	51.7	77.5	

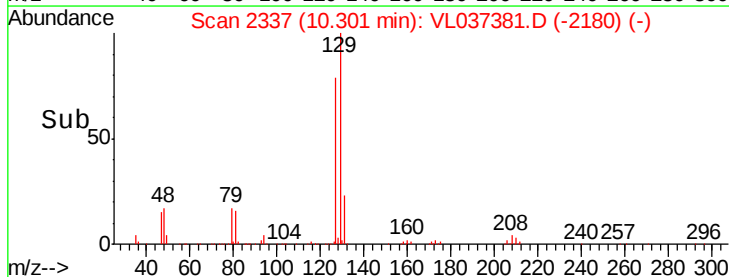
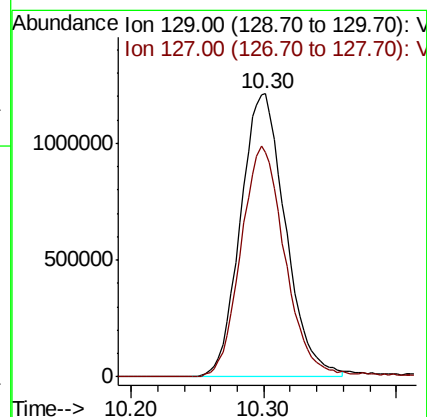
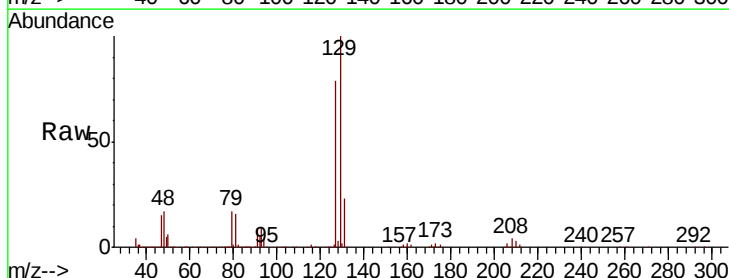
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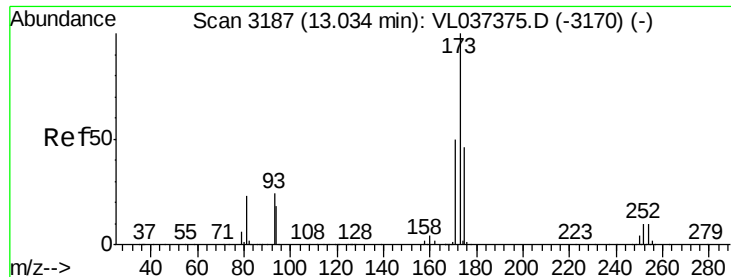
apatel
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#48
 Dibromochloromethane
 Concen: 15.241 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	81.5	40.1	120.3	





#49

Bromoform

Concen: 16.919 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2445232

Ion Ratio Lower Upper

173 100

175 50.1 41.7 62.5

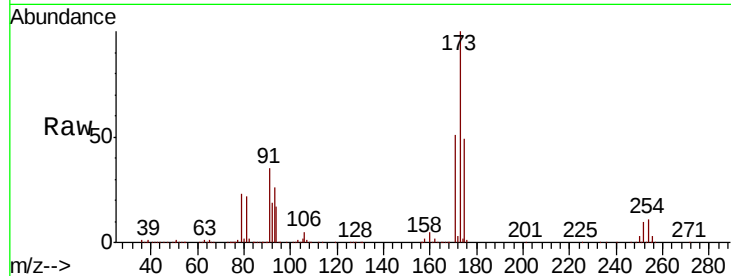
171 52.2 43.3 64.9

Manual Integrations

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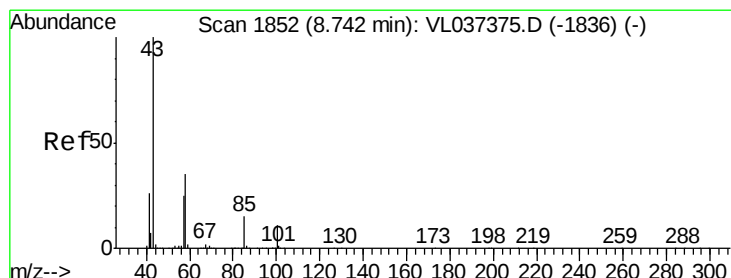
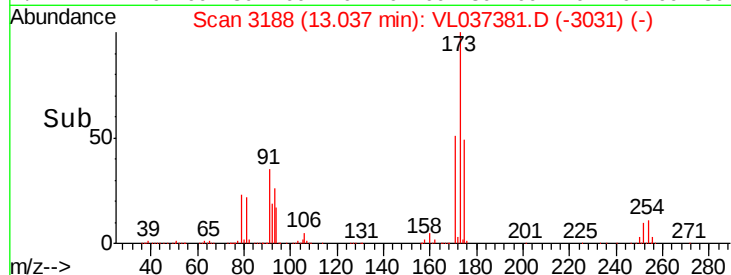
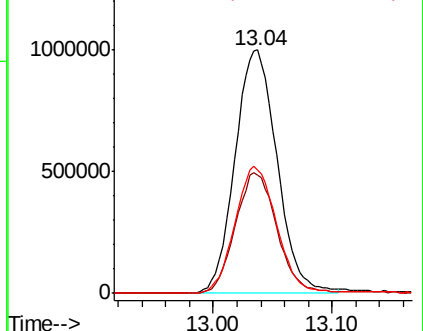
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 14.238 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL037381.D

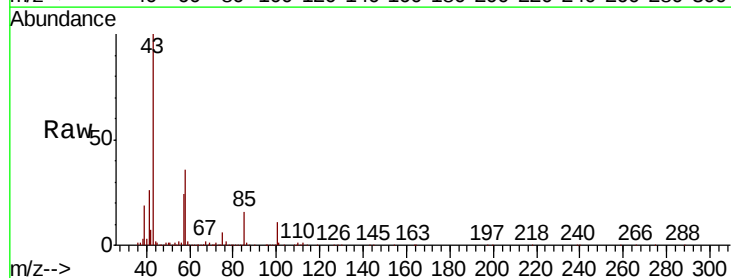
Acq: 11 Aug 2021 6:20

Tgt Ion: 43 Resp: 2793331

Ion Ratio Lower Upper

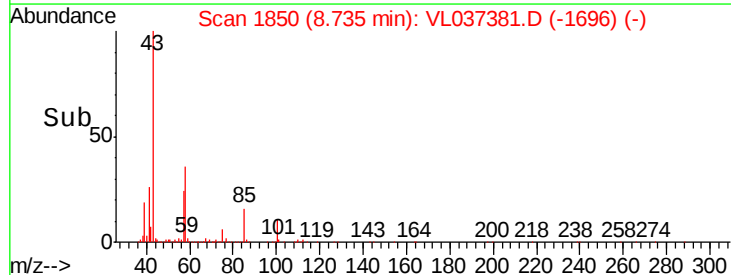
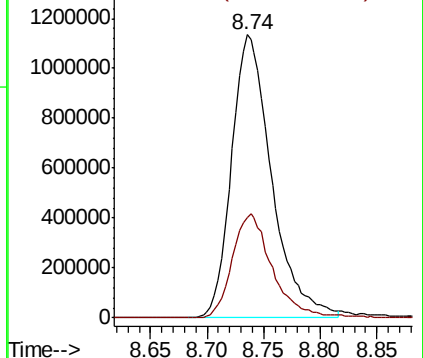
43 100

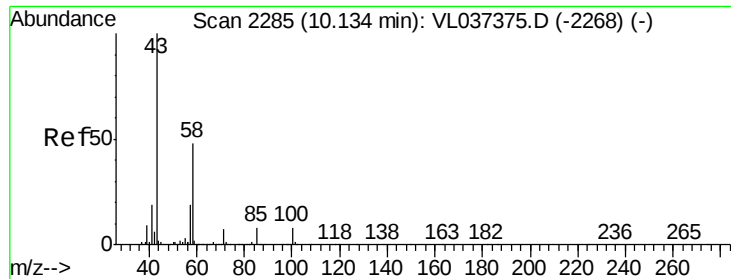
58 37.2 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





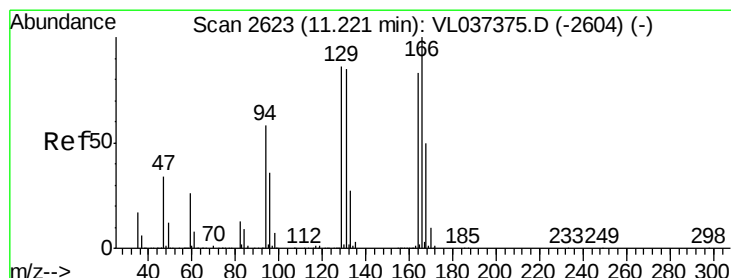
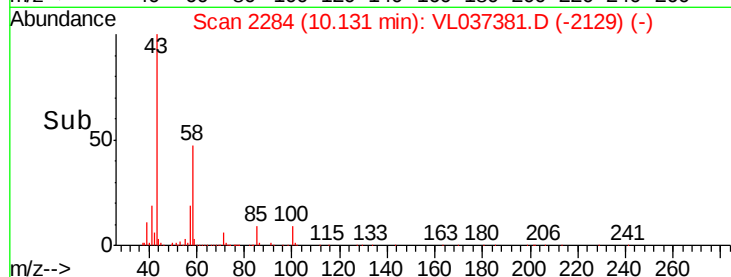
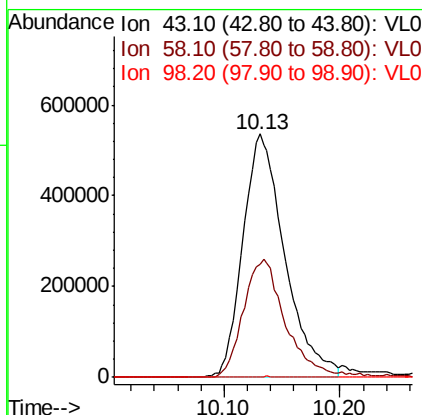
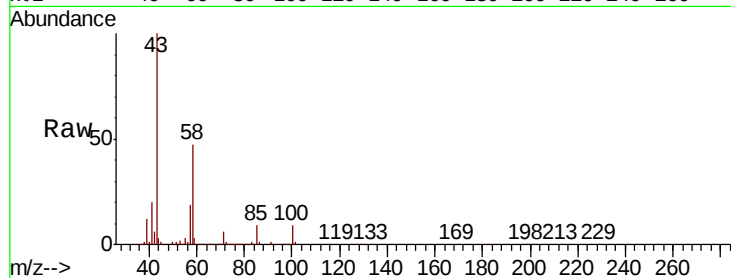
#51
2-Hexanone
Concen: 15.716 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	41.8	62.8
98	0.4	0.2	0.4

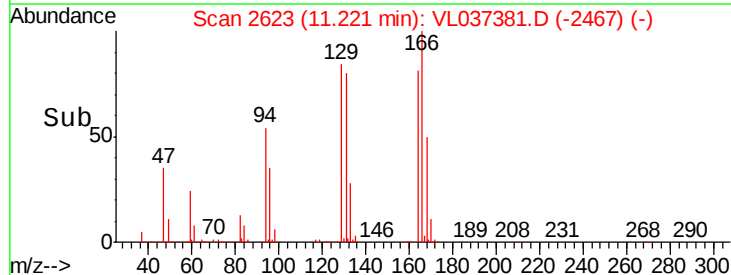
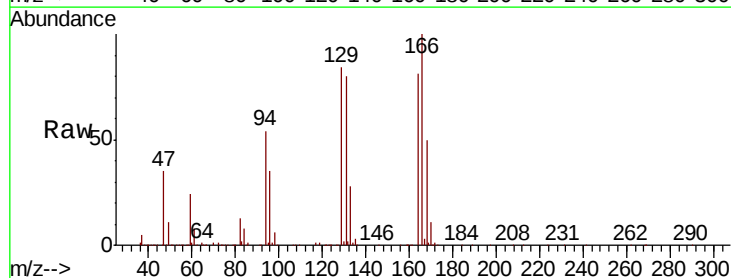
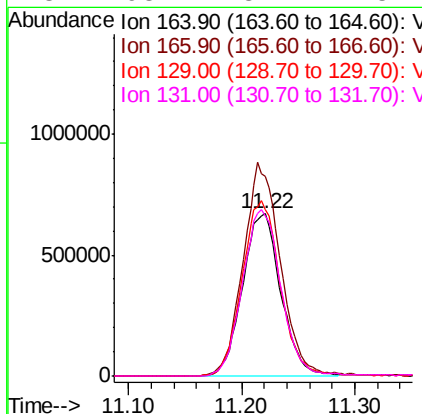
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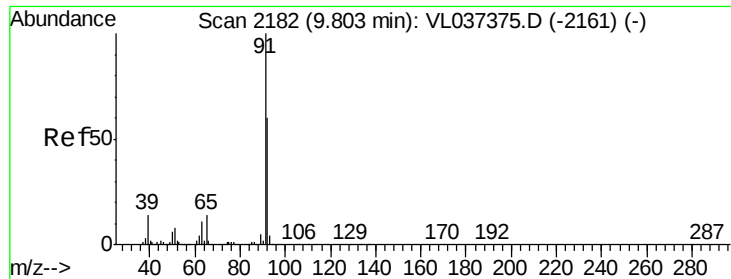
apatel
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#52
Tetrachloroethene
Concen: 12.138 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	96.5	144.7
129	102.7	83.2	124.8
131	98.7	82.2	123.2





#53

Toluene

Concen: 13.704 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4999623

Ion Ratio Lower Upper

91 100

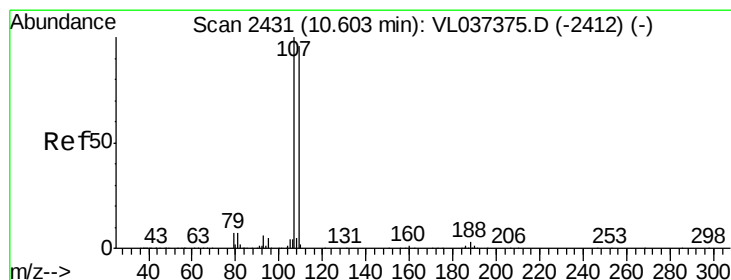
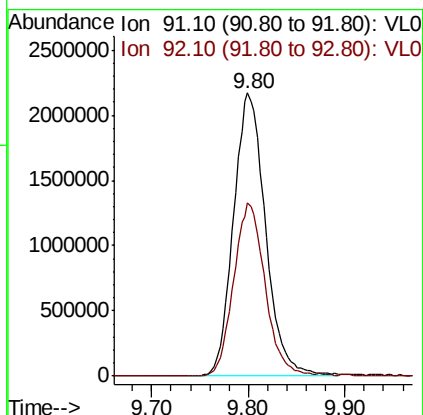
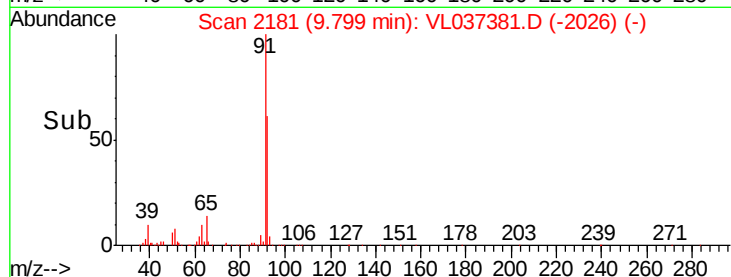
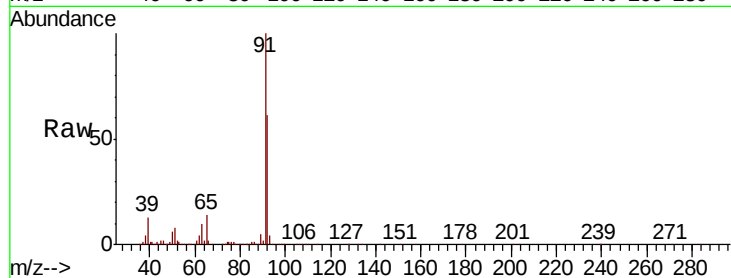
92 60.1 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 14.050 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL037381.D

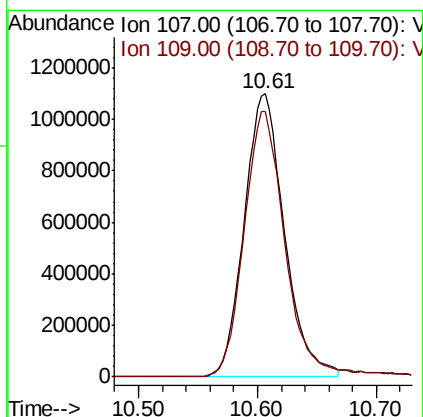
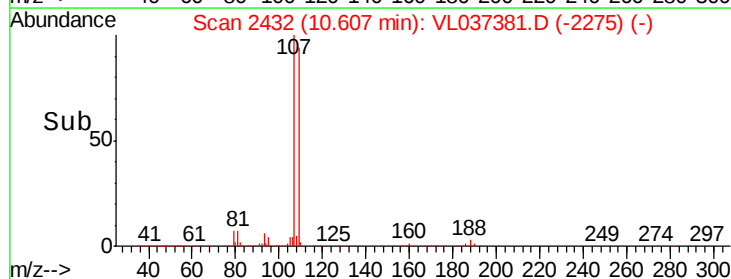
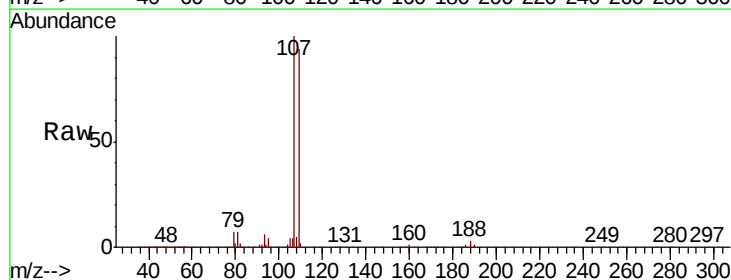
Acq: 11 Aug 2021 6:20

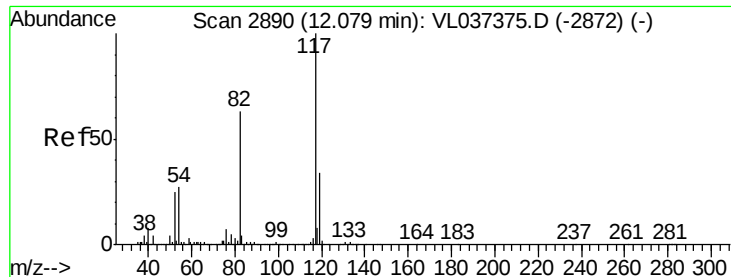
Tgt Ion: 107 Resp: 2570354

Ion Ratio Lower Upper

107 100

109 93.7 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3549279

Ion Ratio Lower Upper

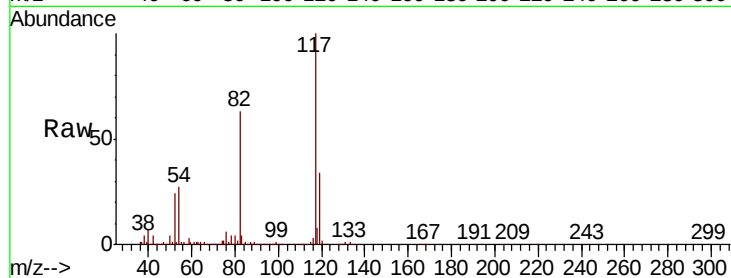
117 100

82 65.0 52.6 78.8

119 33.0 46.6 69.8#

Manual Integrations
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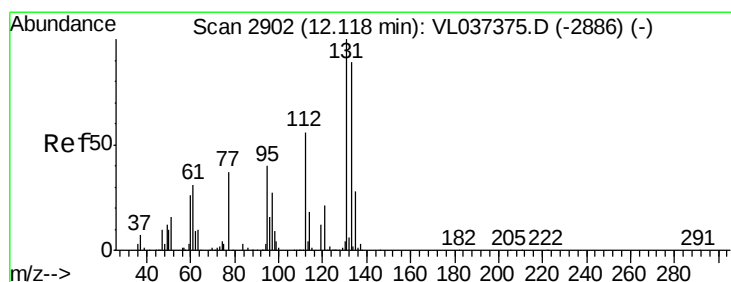
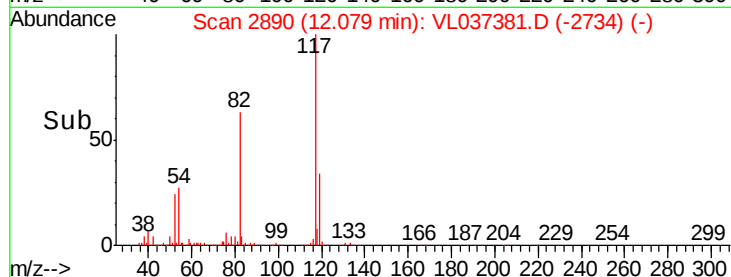
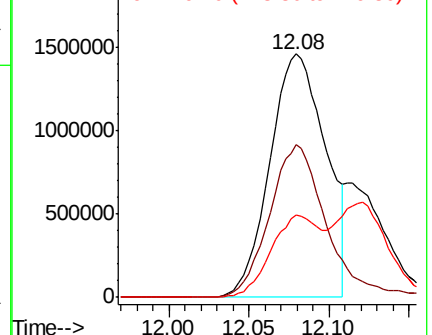
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 13.930 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

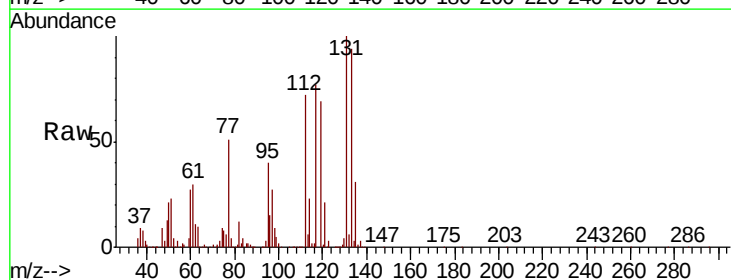
Tgt Ion:131 Resp: 1938826

Ion Ratio Lower Upper

131 100

133 97.0 79.3 118.9

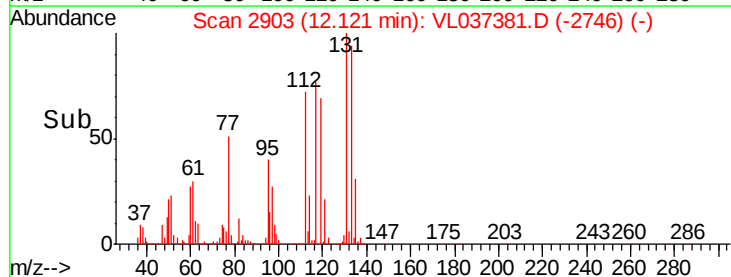
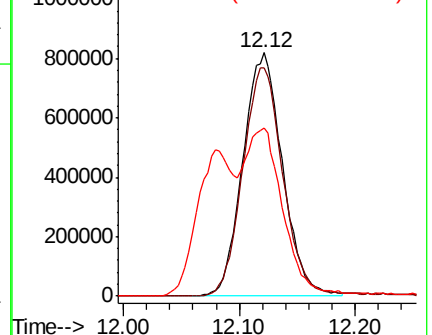
119 67.1 126.2 189.2#

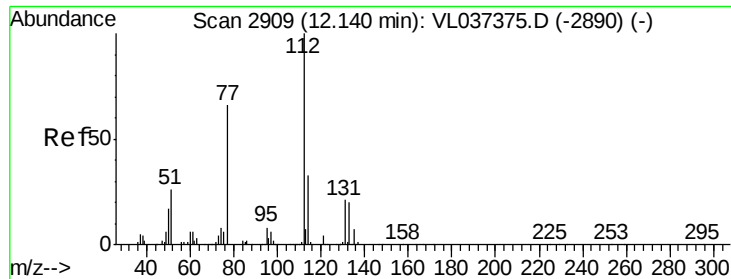


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 12.856 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 112 Resp: 3625012

Ion Ratio Lower Upper

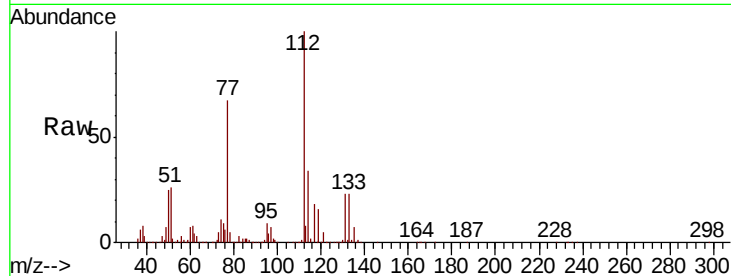
112 100

77 66.4 52.9 79.3

114 33.8 29.8 36.4

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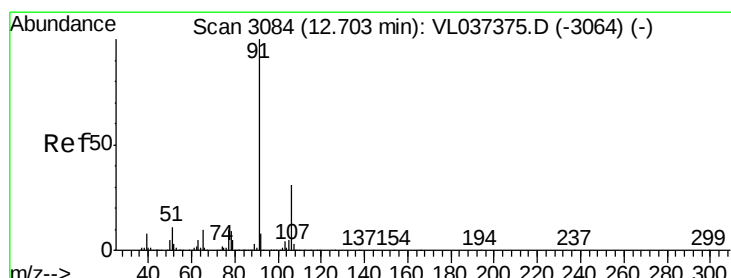
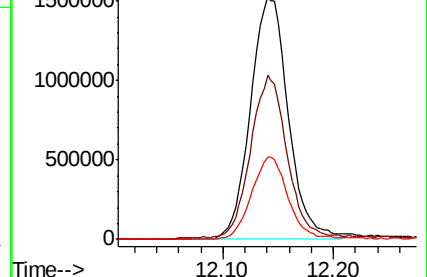
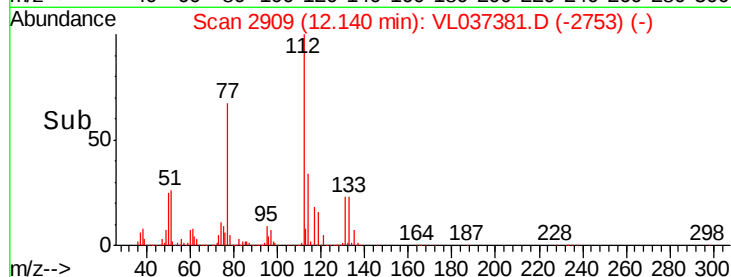
apatel
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 13.378 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL037381.D

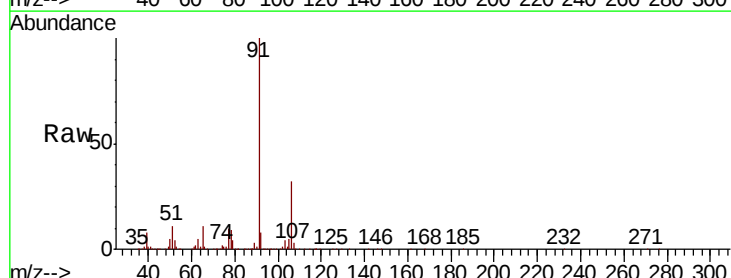
Acq: 11 Aug 2021 6:20

Tgt Ion: 91 Resp: 6478117

Ion Ratio Lower Upper

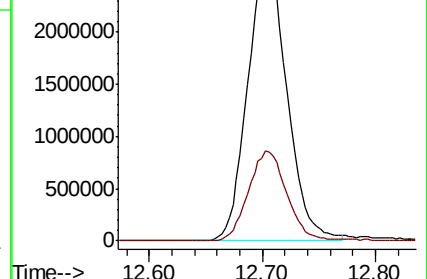
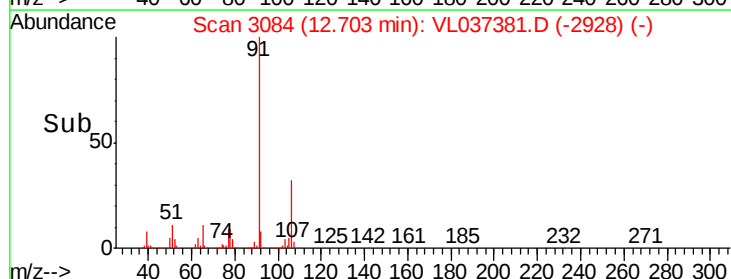
91 100

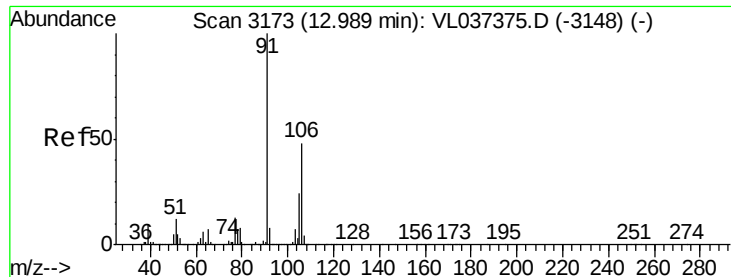
106 31.7 24.6 36.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





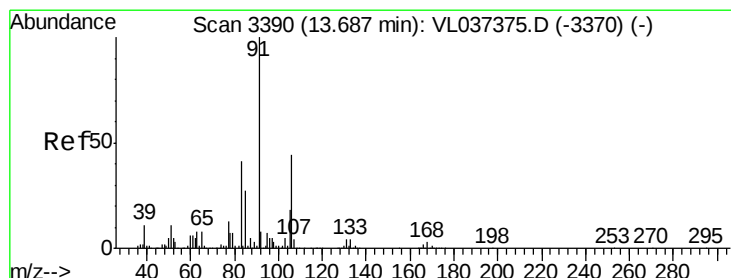
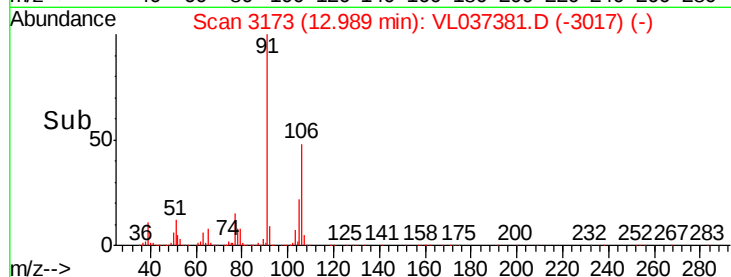
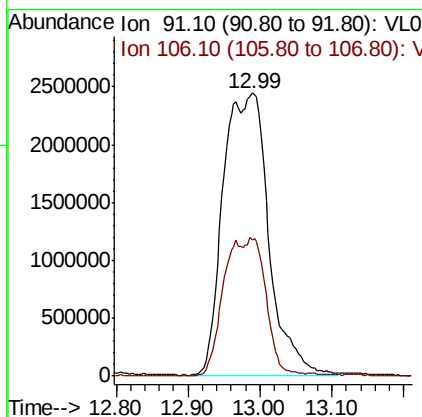
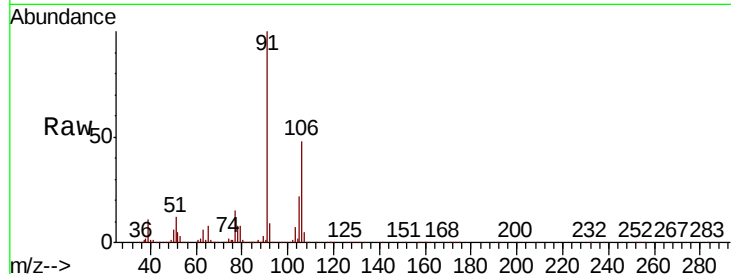
#59
m/p-Xylene
Concen: 25.712 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 10795817
Ion Ratio Lower Upper
91 100
106 45.6 36.2 54.2

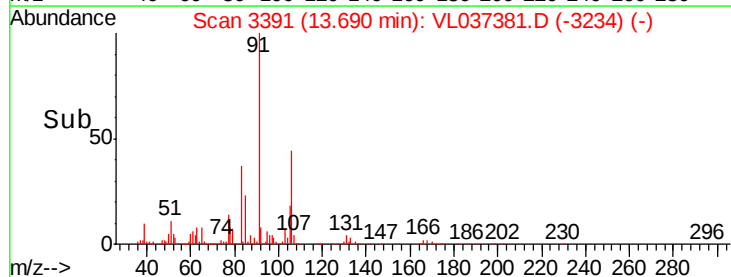
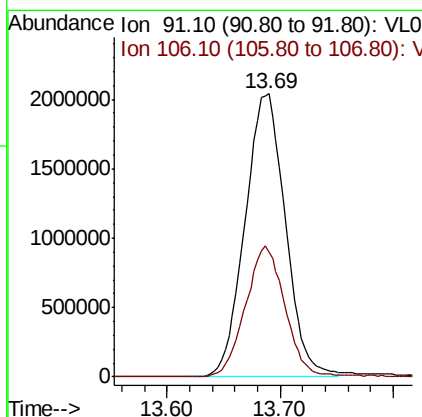
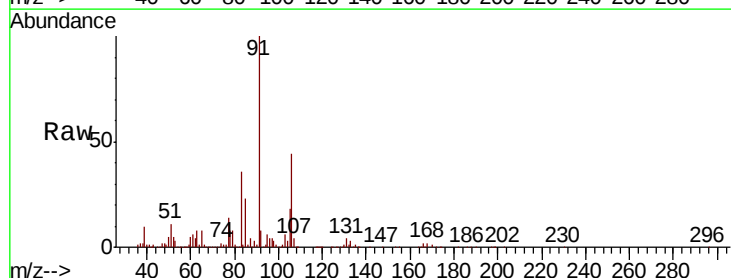
Manual Integrations
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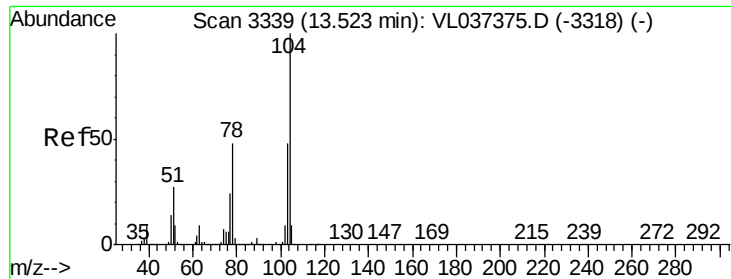
apatel
8/12/2021 10:16:47 AM



#60
o-Xylene
Concen: 13.045 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion: 91 Resp: 5064824
Ion Ratio Lower Upper
91 100
106 45.5 23.4 70.0





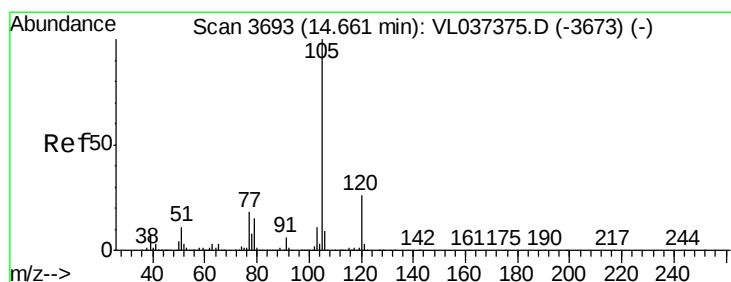
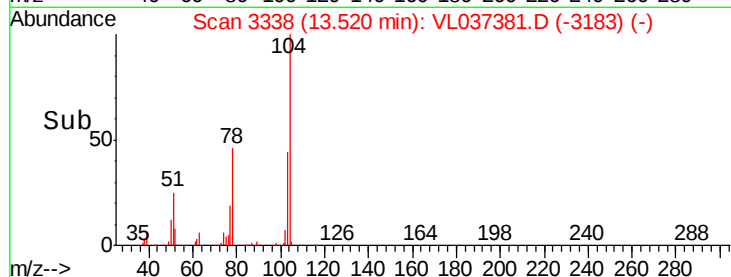
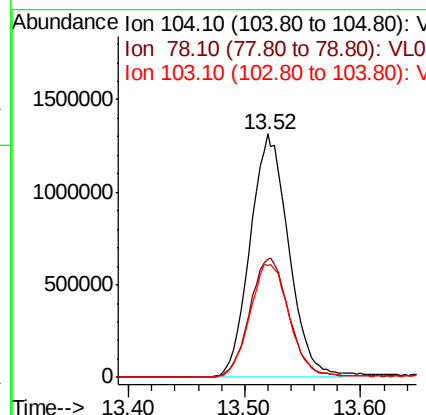
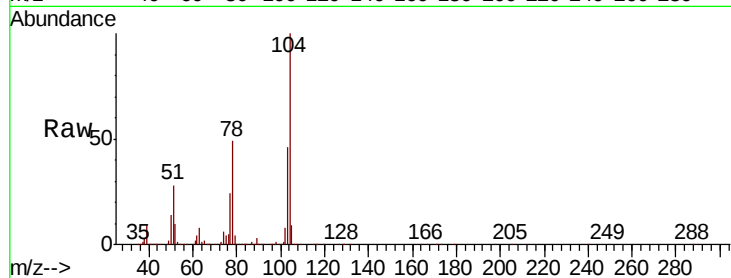
#61
Stvrene
Concen: 16.101 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	41.4	62.2
103	48.5	40.6	61.0

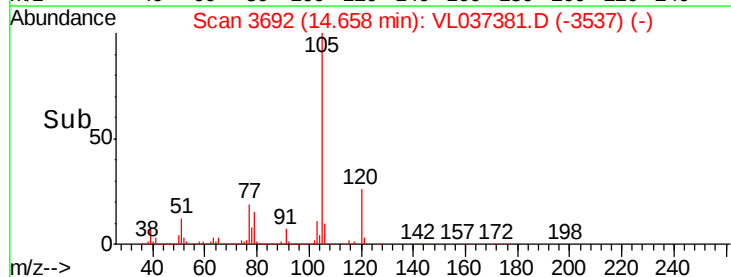
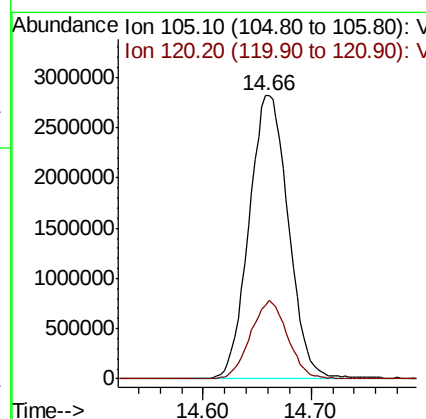
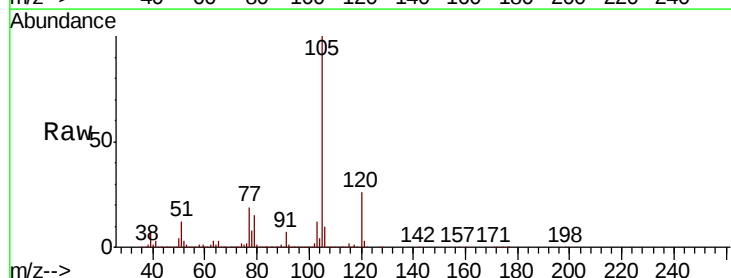
Manual Integrations
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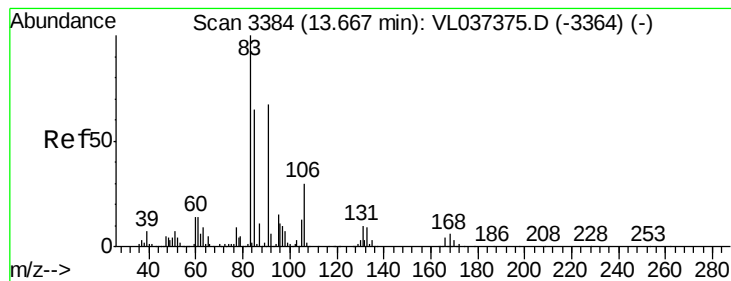
apatel
8/12/2021 10:16:47 AM



#62
Isopropylbenzene
Concen: 13.027 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 12.140 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 83 Resp: 3568657

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

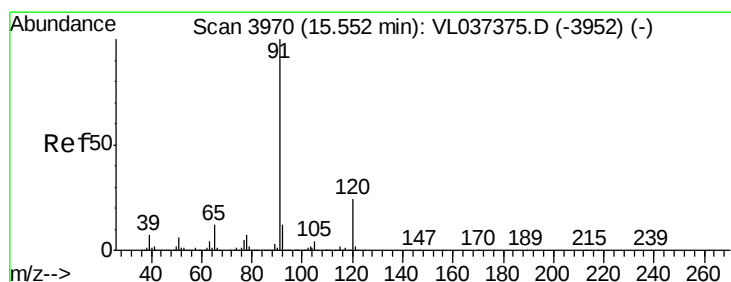
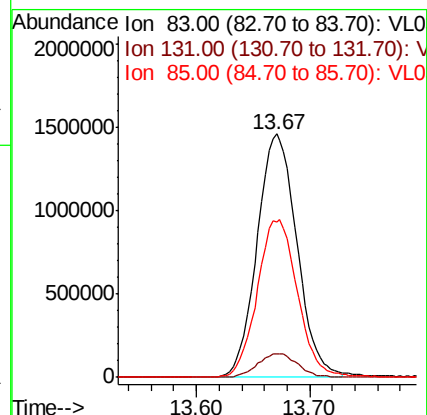
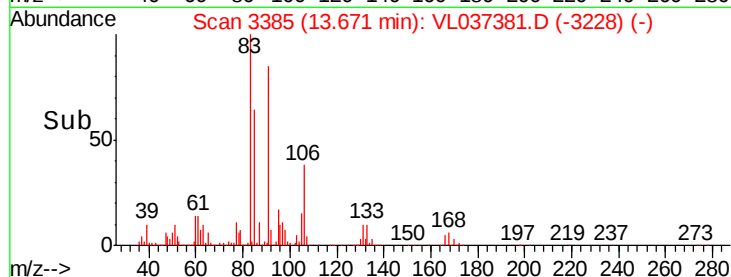
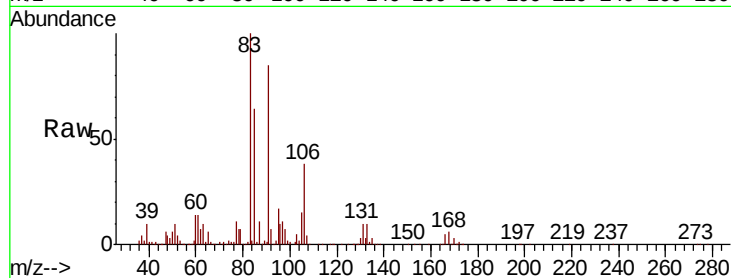
85 66.1 32.6 97.8

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#64

n-propylbenzene

Concen: 14.008 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL037381.D

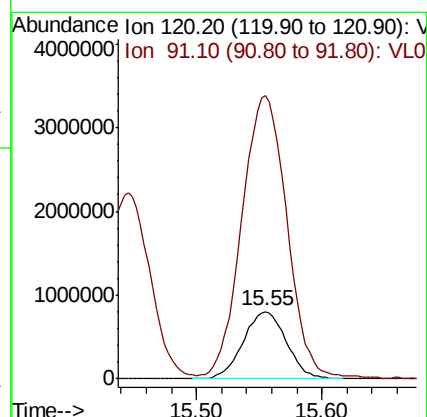
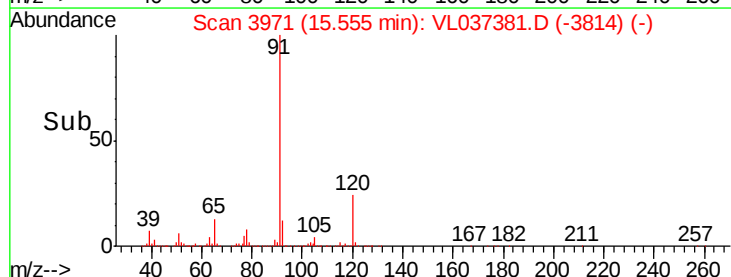
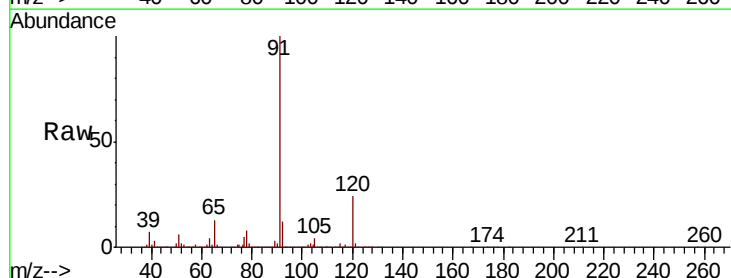
Acq: 11 Aug 2021 6:20

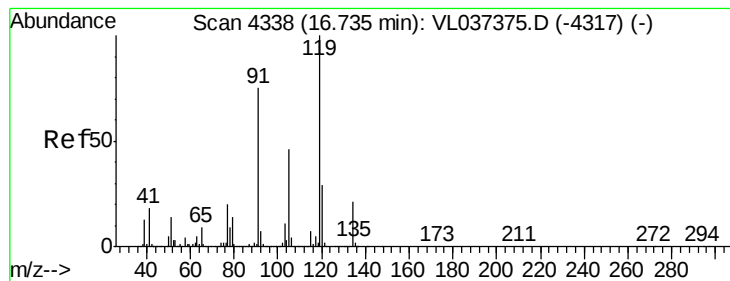
Tgt Ion: 120 Resp: 1918948

Ion Ratio Lower Upper

120 100

91 443.6 386.1 579.1





#65

tert-Butylbenzene

Concen: 12.295 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 6128445

Ion Ratio Lower Upper

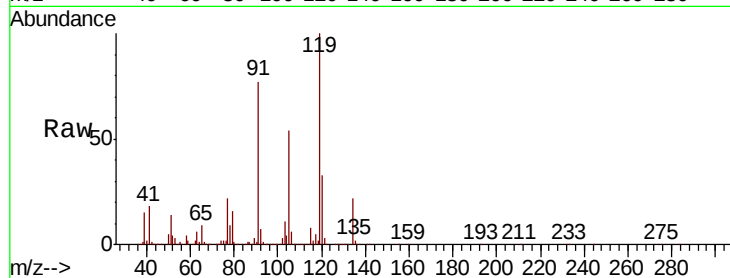
119 100

91 79.1 63.1 94.7

134 20.2 16.3 24.5

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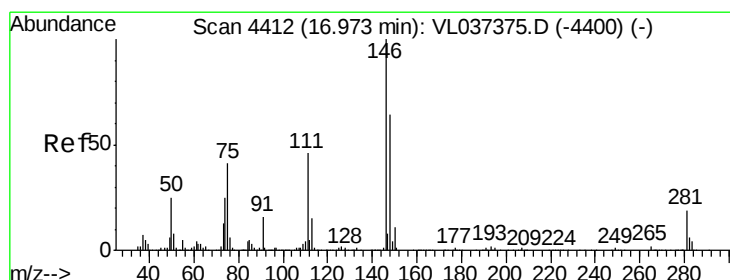
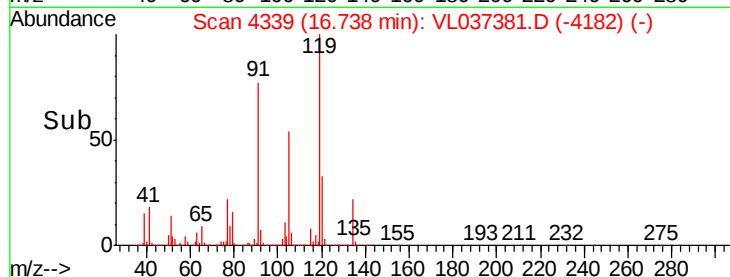
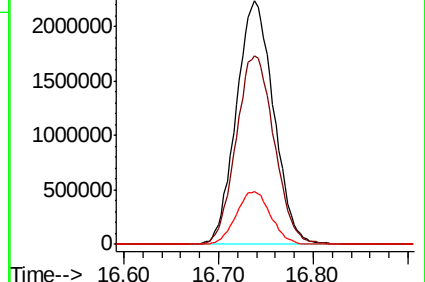
apatel
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 18.908 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

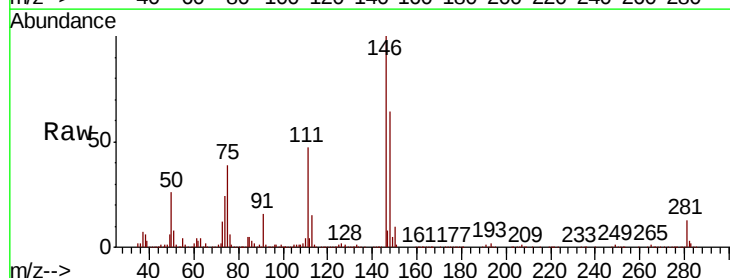
Tgt Ion: 91 Resp: 366073

Ion Ratio Lower Upper

91 100

126 17.9 13.4 20.0

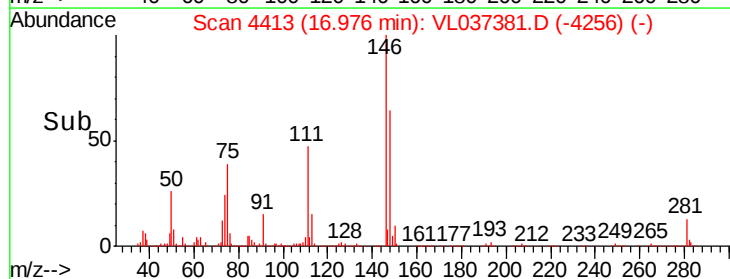
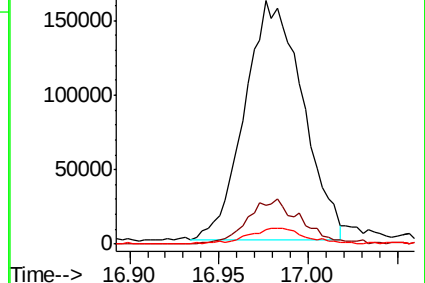
128 6.8 5.6 8.4

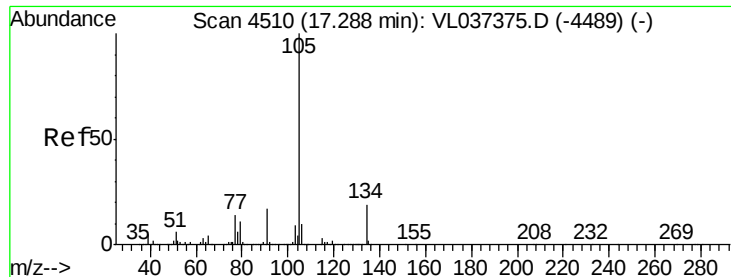


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 12.574 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 105 Resp: 8581957

Ion Ratio Lower Upper

105 100

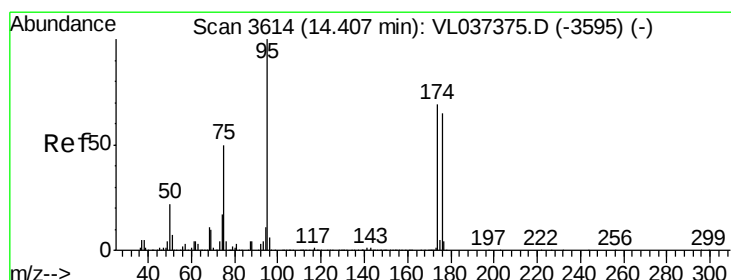
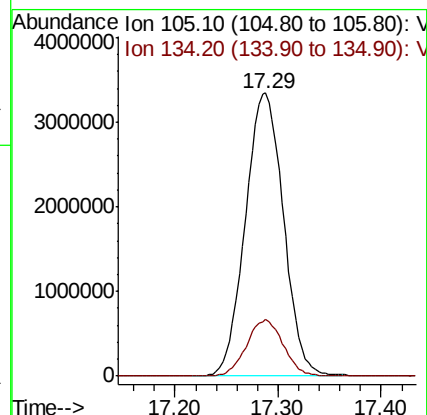
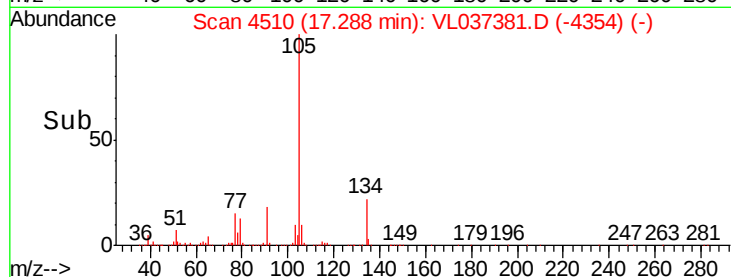
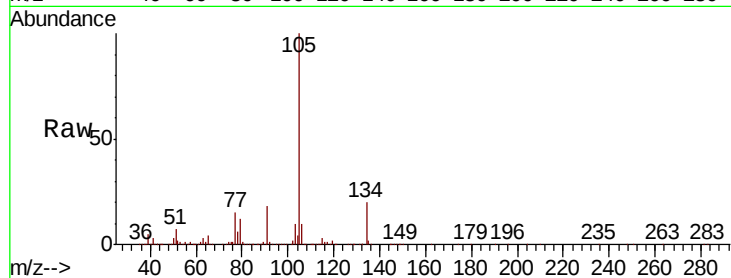
134 19.2 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.692 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

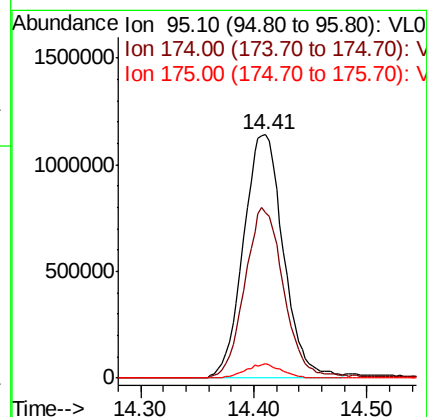
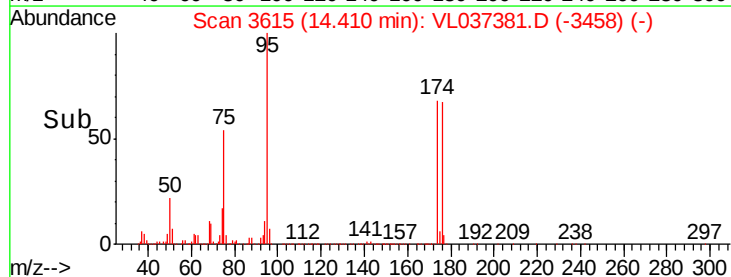
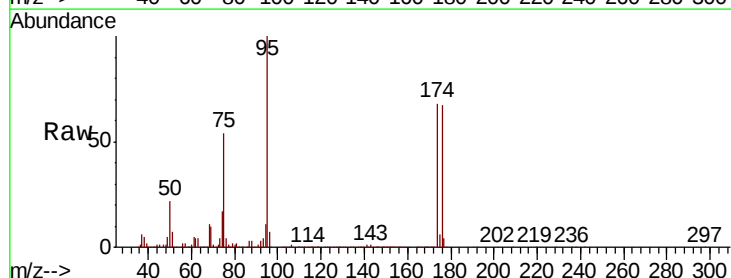
Tgt Ion: 95 Resp: 2802282

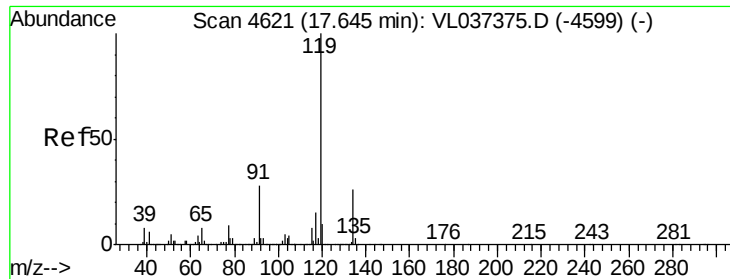
Ion Ratio Lower Upper

95 100

174 69.5 58.3 87.5

175 5.4 4.3 6.5





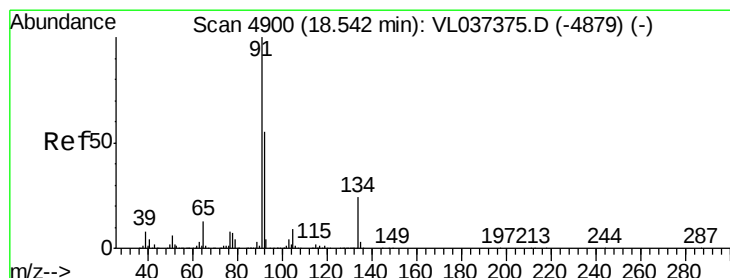
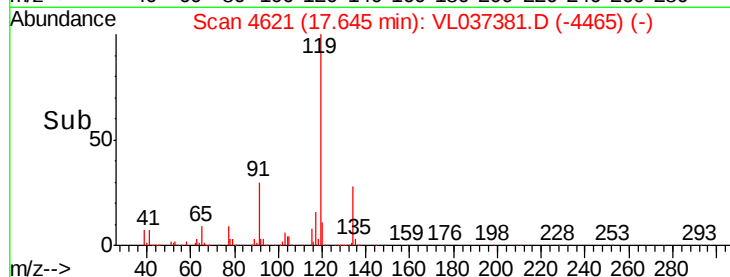
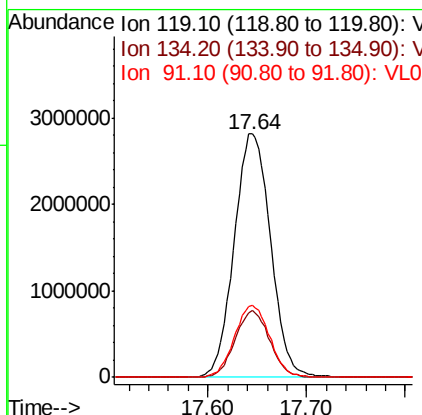
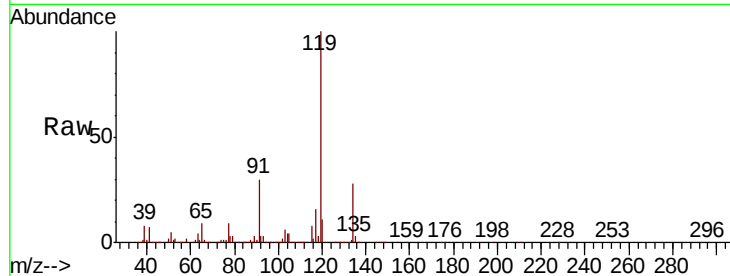
#69
 p-Isopropyltoluene
 Concen: 13.186 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.5	30.7
91	28.6	22.6	34.0

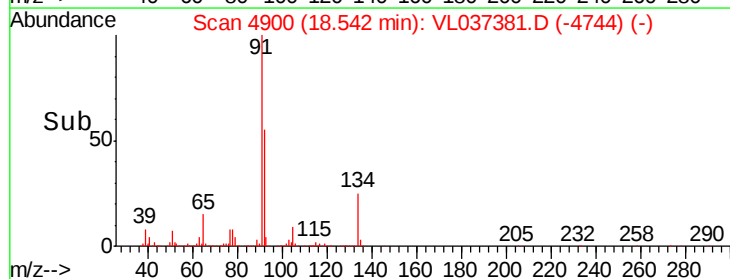
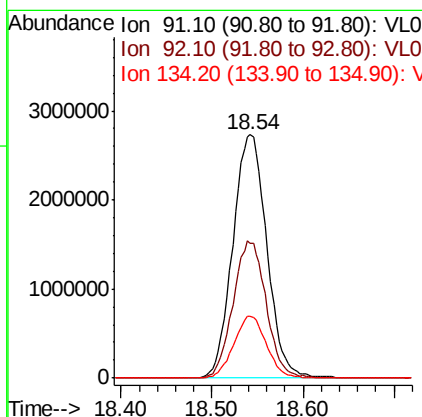
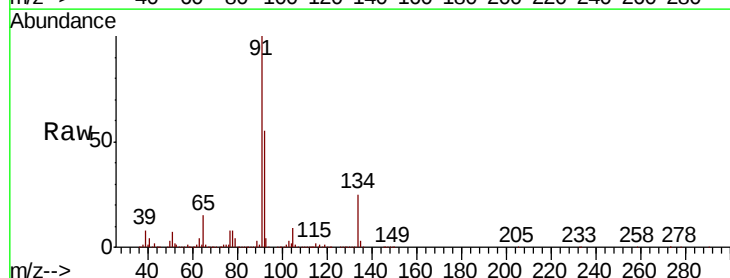
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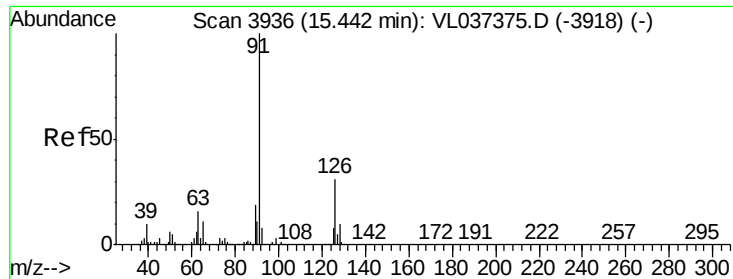
apatel
 8/12/2021 10:16:47 AM



#70
 n-Butylbenzene
 Concen: 13.928 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.7	65.5
134	24.6	19.4	29.0





#71

2-Chlorotoluene

Concen: 13.743 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5435579

Ion Ratio Lower Upper

91 100

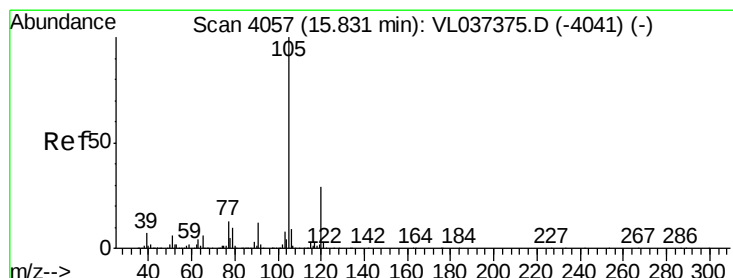
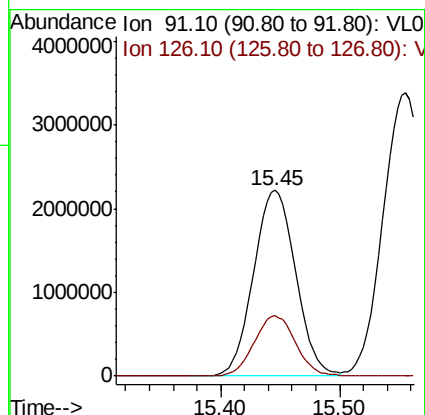
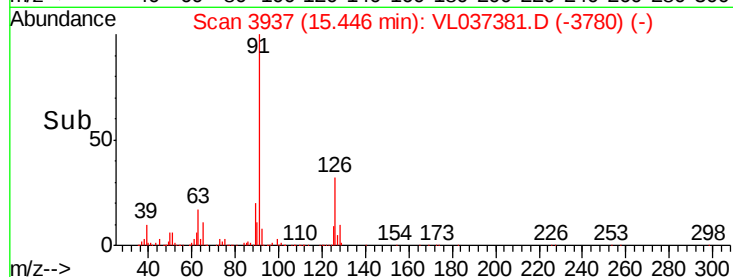
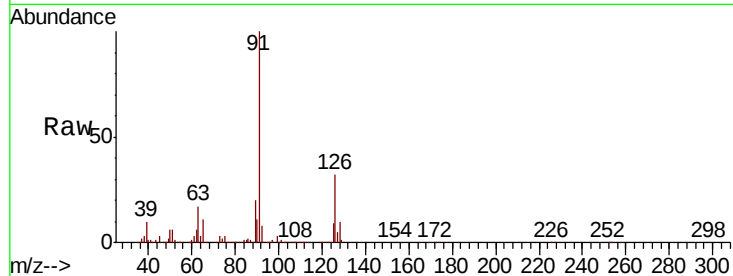
126 32.2 13.3 53.3

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#72

4-Ethyltoluene

Concen: 13.983 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Tgt Ion:105 Resp: 6268840

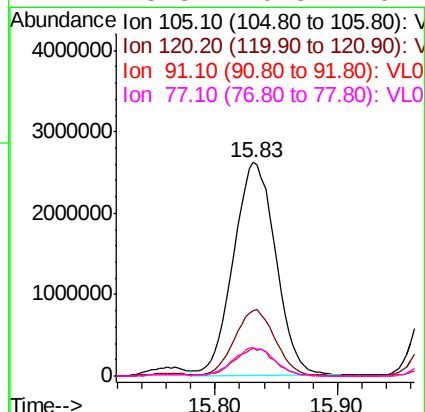
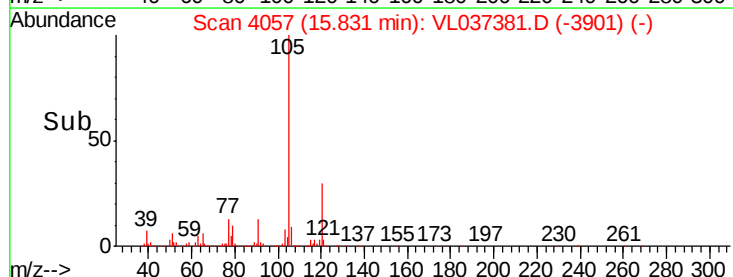
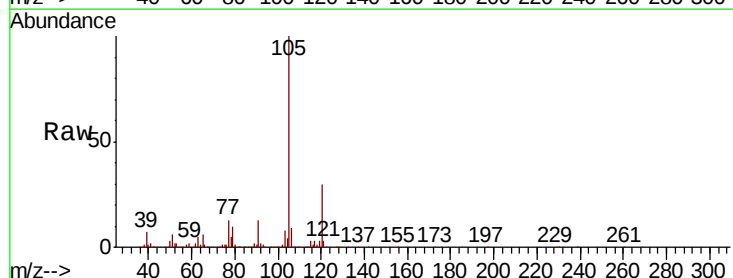
Ion Ratio Lower Upper

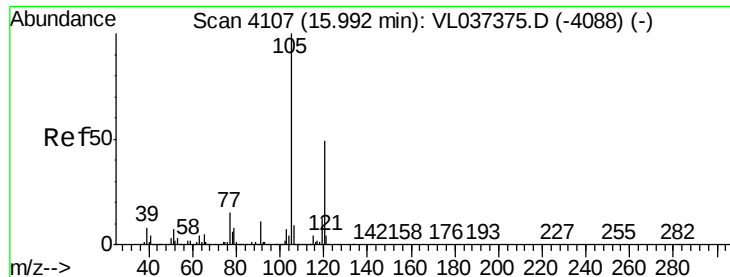
105 100

120 30.3 24.6 36.8

91 12.5 9.8 14.6

77 13.3 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 14.037 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 5618802

Ion Ratio Lower Upper

105 100

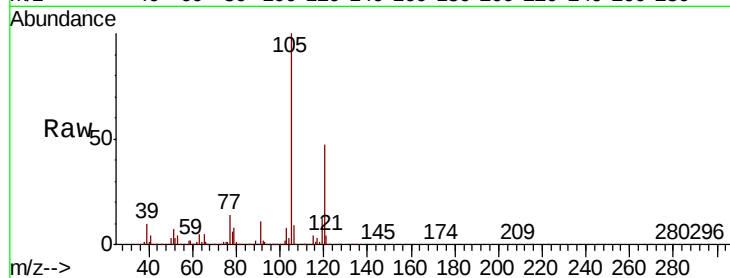
120 47.1 38.9 58.3

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

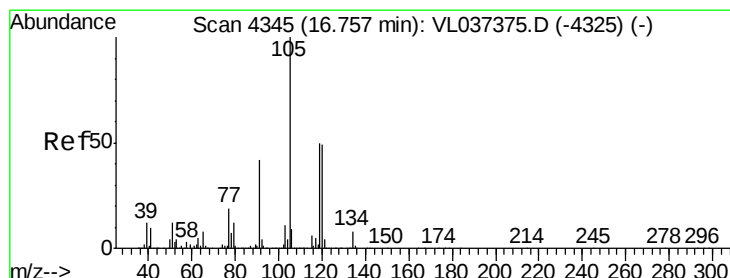
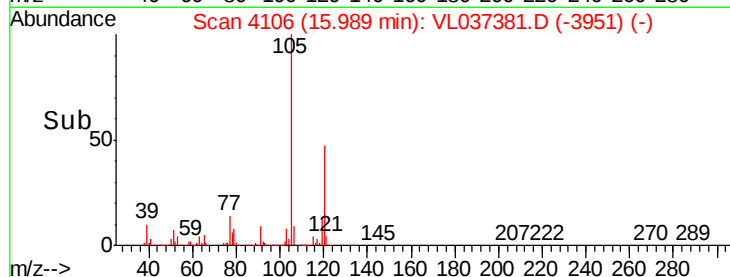
0

15.99

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 13.179 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Tgt Ion:105 Resp: 5626763

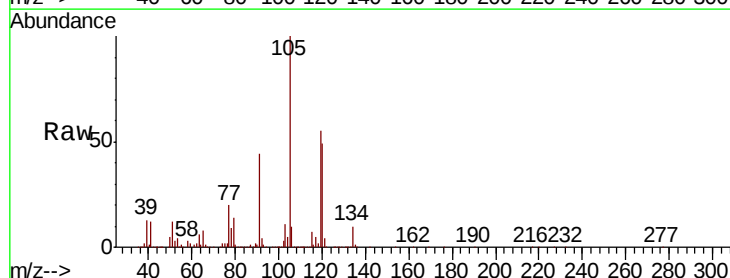
Ion Ratio Lower Upper

105 100

120 48.8 39.0 58.4

91 43.6 34.4 51.6

77 20.3 15.7 23.5



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): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2000000

1000000

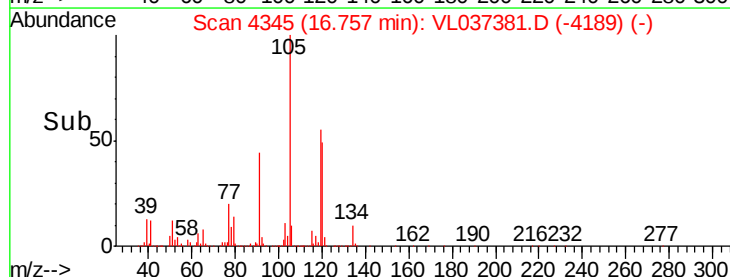
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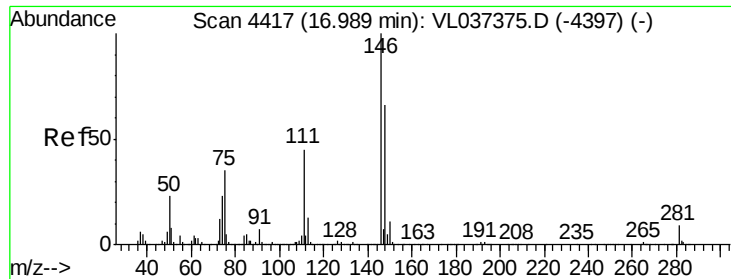
16.76

16.70

16.80

Time-->





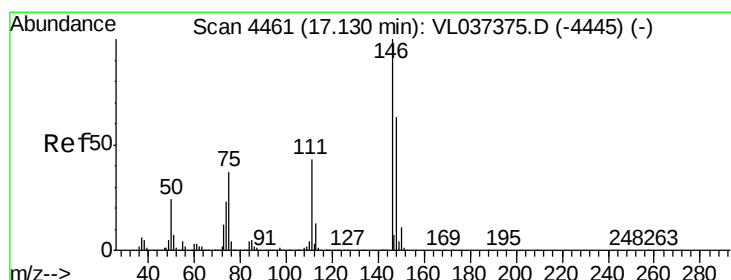
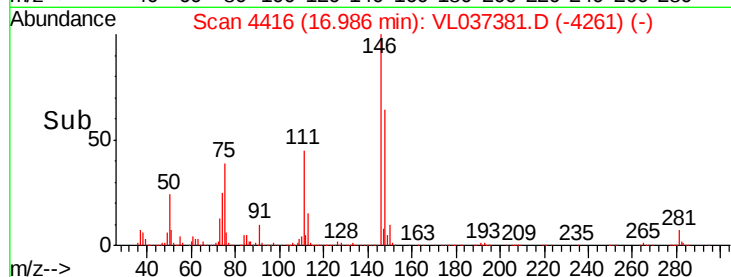
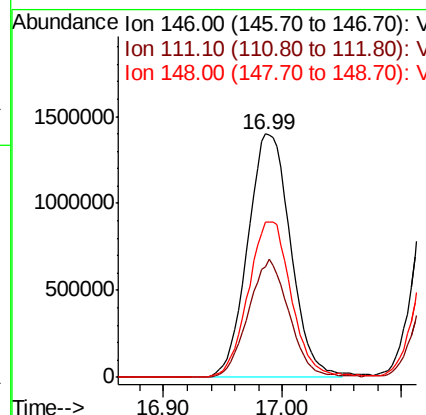
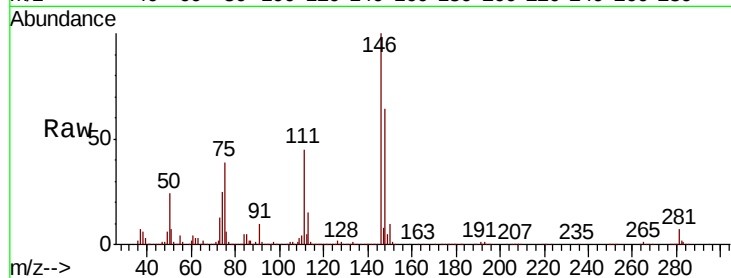
#75
 1,3-Dichlorobenzene
 Concen: 13.652 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. -0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	64.3	31.8	95.3

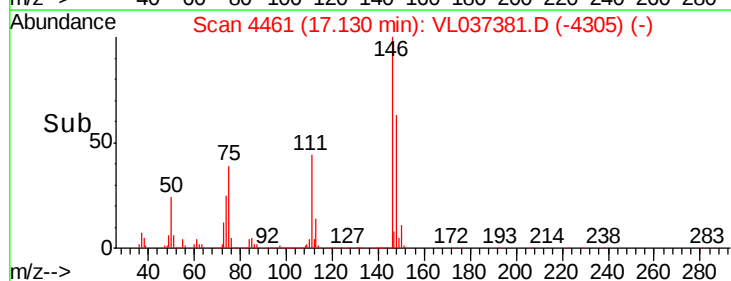
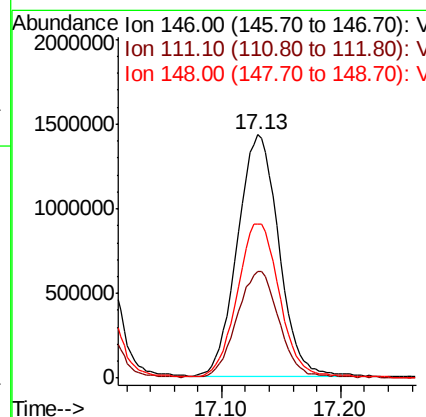
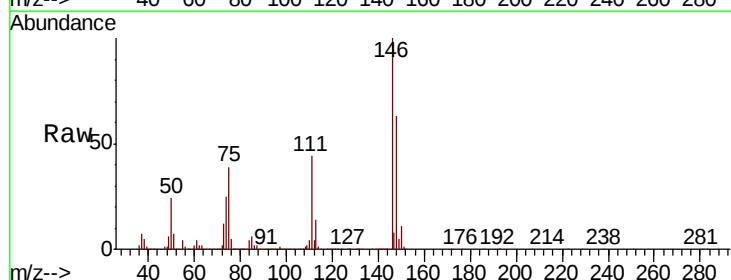
Manual Integrations
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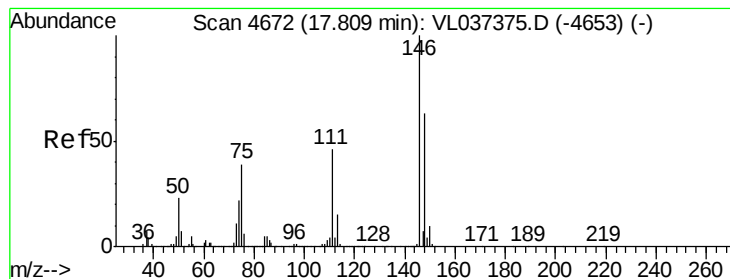
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#76
 1,4-Dichlorobenzene
 Concen: 13.997 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.3	69.9
148	66.0	32.9	98.7





#77

1,2-Dichlorobenzene

Concen: 13.477 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3329247

Ion Ratio Lower Upper

146 100

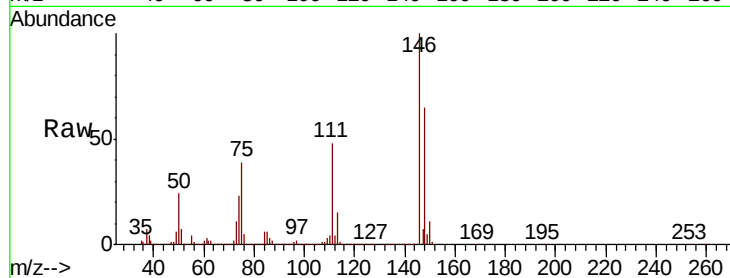
111 47.9 23.4 70.2

148 65.2 32.3 96.9

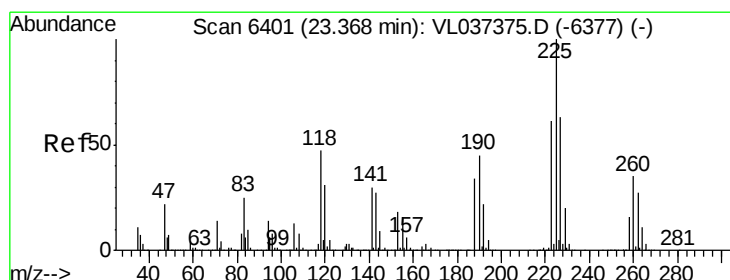
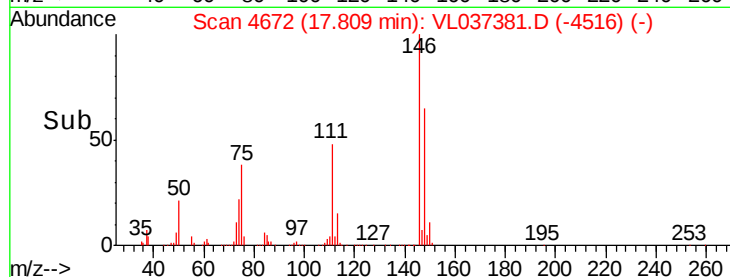
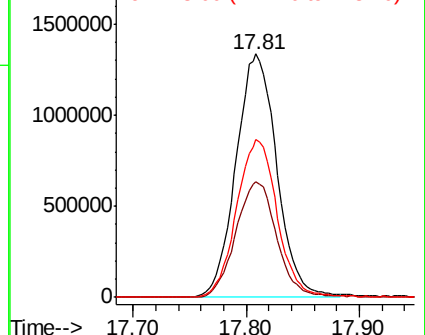
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.816 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.00 min

Lab File: VL037381.D

Acq: 11 Aug 2021 6:20

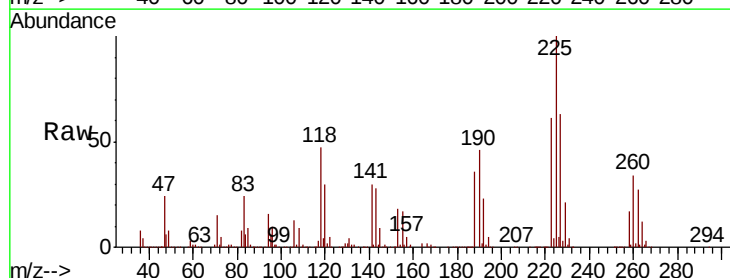
Tgt Ion:225 Resp: 2413880

Ion Ratio Lower Upper

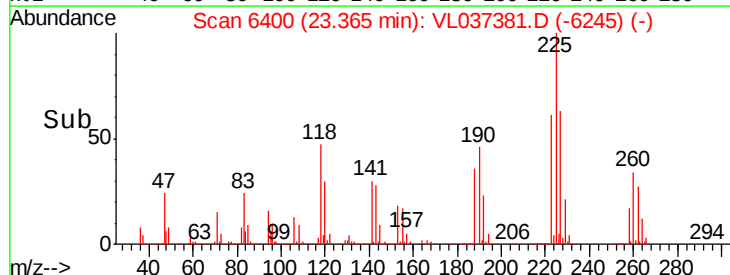
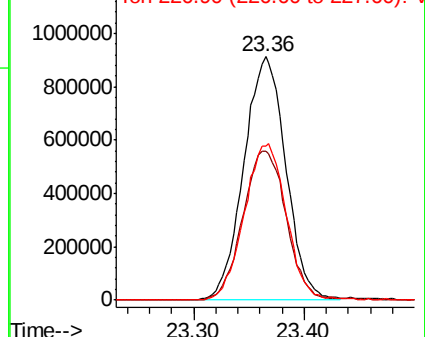
225 100

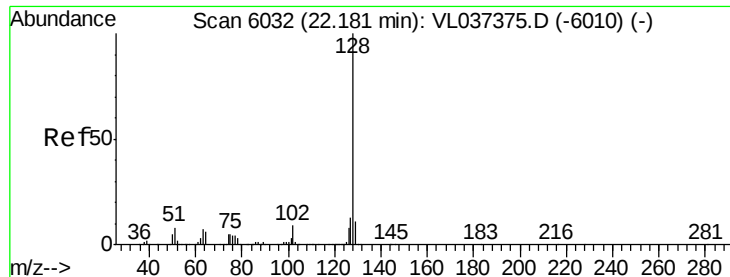
223 63.9 51.8 77.8

227 64.7 52.3 78.5



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





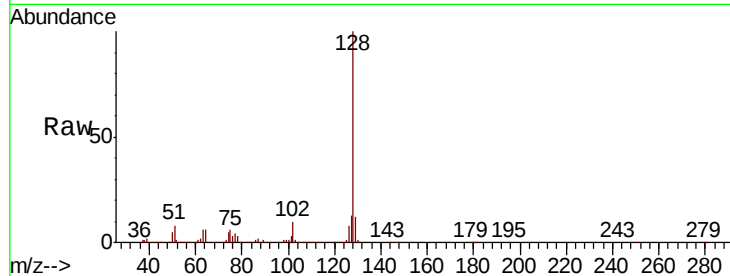
#79
Naphthalene
Concen: 20.684 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. 0.00 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.5	9.0	13.4

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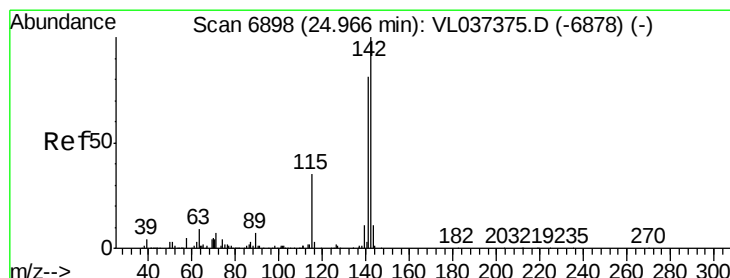
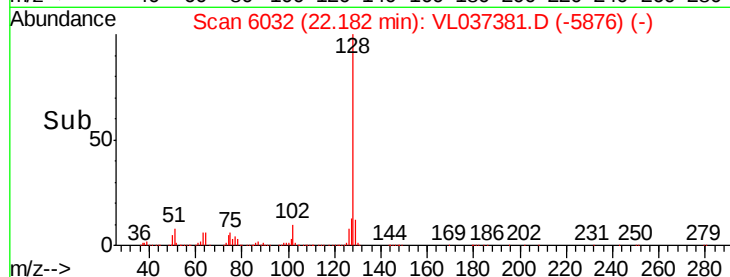
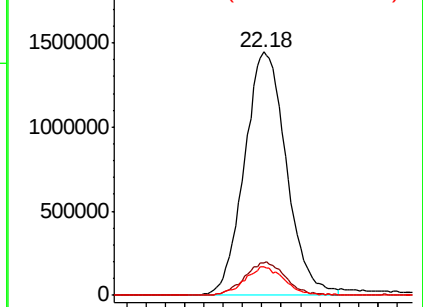


Abundance

Ion 128.10 (127.80 to 128.80): V

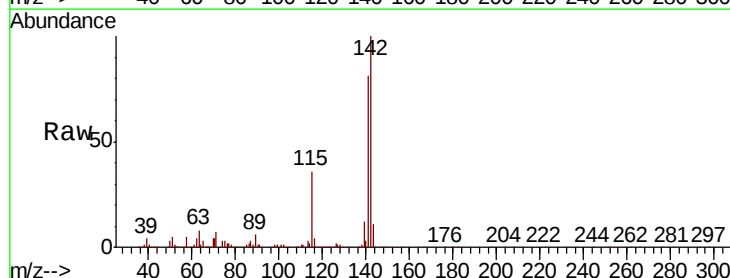
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 41.175 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.01 min
Lab File: VL037381.D
Acq: 11 Aug 2021 6:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	73.3	109.9
115	37.9	31.2	46.8

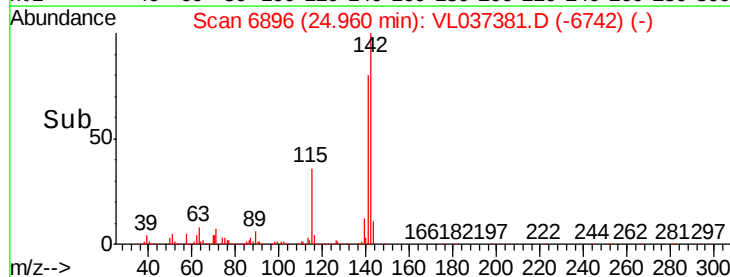
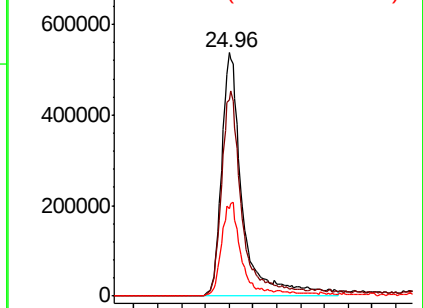


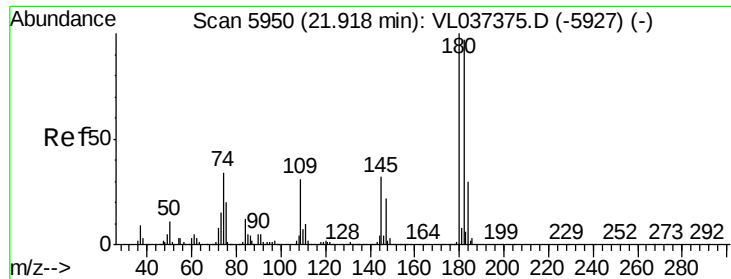
Abundance

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: 17.280 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. -0.00 min
 Lab File: VL037381.D
 Acq: 11 Aug 2021 6:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
184	30.5	24.6	36.8

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