

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036729.D
 Acq On : 7 Apr 2021 16:05
 Operator : SY/AP
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:46 AM

Quant Time: Apr 08 03:03:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 03:03:04 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1353255	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3440708	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3182325m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2495378	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2129552	9.648	ppbv	97
3) Chlorodifluoromethane	2.99	51	2477269	9.798	ppbv	100
4) Chloromethane	3.14	50	860568	9.636	ppbv	97
5) Vinyl Chloride	3.26	62	848316	9.238	ppbv	99
6) Bromomethane	3.47	94	499791	9.886	ppbv	97
7) Chloroethane	3.56	64	304879	9.662	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2046533	9.715	ppbv	97
9) Propene	3.01	41	835040	10.360	ppbv	98
10) Heptane	8.13	43	2103601	10.244	ppbv	100
11) Trichlorofluoromethane	3.95	101	2054522	9.134	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1378907	9.588	ppbv	100
13) Ethanol	3.61	45	89941	9.370	ppbv	85
14) Bromoethene	3.74	108	599773	10.032	ppbv	100
15) Acetone	3.85	43	1228903	9.227	ppbv	100
16) 1,3-Butadiene	3.33	39	899236	9.697	ppbv	99
17) tert-Butyl alcohol	4.29	59	1245887	10.745	ppbv	100
18) 1,1-Dichloroethene	4.29	96	606688	9.484	ppbv	97
19) Isopropyl Alcohol	3.97	45	736086	10.046	ppbv	# 96
20) Methylene Chloride	4.34	84	544746	8.735	ppbv	98
21) Allyl Chloride	4.41	41	1054600	9.933	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	561484	9.467	ppbv	94
23) Vinyl Acetate	5.07	43	2447376	10.742	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1671552	10.066	ppbv	99
25) Ethyl Acetate	5.68	43	3198462	10.101	ppbv	99
26) Hexane	5.69	57	1506537	10.252	ppbv	99
27) Carbon Disulfide	4.55	76	1521266	10.509	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1819138	10.497	ppbv	100
29) Chloroform	5.75	83	2345098	9.979	ppbv	97
30) Cyclohexane	7.13	84	1262335	10.592	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1462988	10.293	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2371761	10.014	ppbv	99
34) 2-Butanone	5.25	43	1591485	9.476	ppbv	98
35) Carbon Tetrachloride	7.02	117	2479319	9.382	ppbv	97
36) Benzene	6.90	78	3119296	9.830	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1771404	9.485	ppbv	100
38) Trichloroethene	7.84	130	1149890	9.311	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1228806	9.546	ppbv	98
40) 1,4-Dioxane	7.84	88	287607	9.600	ppbv	98
41) Tetrahydrofuran	6.05	42	770858	9.954	ppbv	95
42) Bromodichloromethane	7.80	83	2517599	9.910	ppbv	98
43) Methyl Methacrylate	8.02	69	1145725	10.752	ppbv	97

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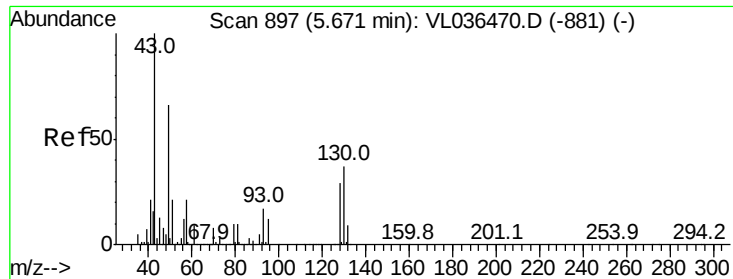
Manual Integrations
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Quant Time: Apr 08 03:03:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 03:03:04 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5283568	9.460	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1308726	10.756	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1643811	10.569	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1259802	9.662	ppbv	96
48) Dibromochloromethane	10.31	129	2084246	10.487	ppbv	100
49) Bromoform	13.05	173	1719074	10.735	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2428081	9.991	ppbv	99
51) 2-Hexanone	10.14	43	1301427	10.612	ppbv #	100
52) Tetrachloroethene	11.23	164	1053370	9.015	ppbv	98
53) Toluene	9.81	91	3515517	10.403	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1835013	9.966	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1405334	9.763	ppbv	97
57) Chlorobenzene	12.16	112	2597794	9.594	ppbv	99
58) Ethyl Benzene	12.72	91	4693399	10.137	ppbv	99
59) m/p-Xylene	13.00	91	7883132m	19.521	ppbv	
60) o-Xylene	13.70	91	3723938	9.537	ppbv	99
61) Styrene	13.54	104	2192819	11.163	ppbv	99
62) Isopropylbenzene	14.68	105	5031592	9.569	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2714147	9.112	ppbv	99
64) n-propylbenzene	15.57	120	1331981	10.361	ppbv	100
65) tert-Butylbenzene	16.75	119	4398633	9.647	ppbv	100
66) Benzyl Chloride	17.00	91	532188	10.560	ppbv	99
67) sec-Butylbenzene	17.30	105	6223269	9.669	ppbv	100
69) p-Isopropyltoluene	17.66	119	5129944	10.207	ppbv	99
70) n-Butylbenzene	18.56	91	5264094	10.102	ppbv	100
71) 2-Chlorotoluene	15.46	91	3926034	9.964	ppbv	99
72) 4-Ethyltoluene	15.85	105	4448089	10.396	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4033582	10.101	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4123671	9.650	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	2383049	9.907	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2337678	9.788	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2298660	10.166	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1740742	8.597	ppbv	99
79) Naphthalene	22.21	128	2800370	11.230	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	397414	8.082	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1634986	10.619	ppbv	98

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



#1

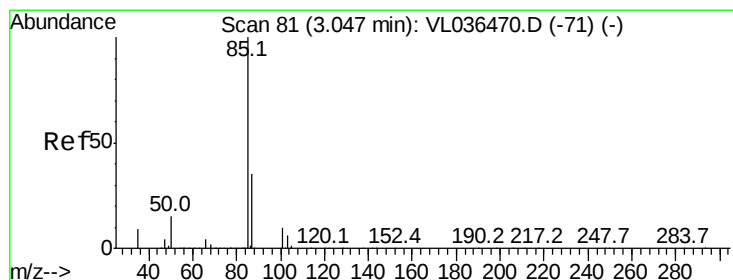
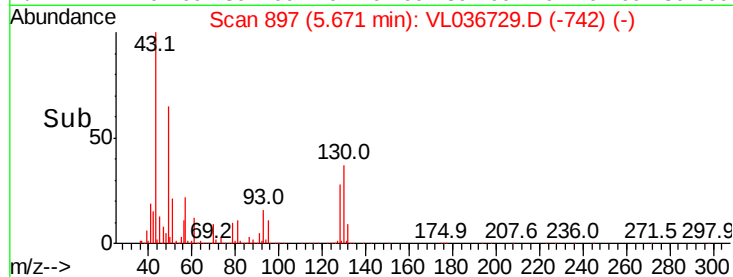
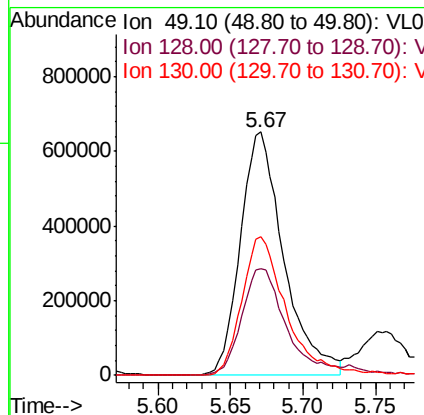
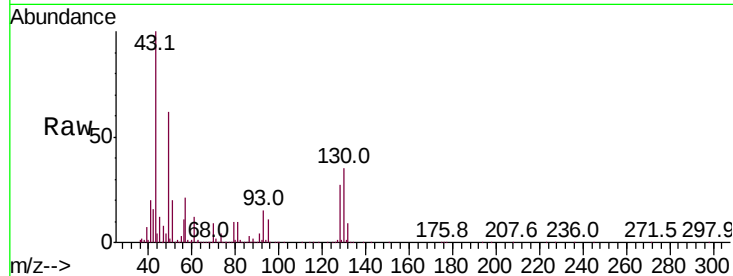
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 49 Resp: 1353255
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.5 70.6
 130 59.1 29.1 87.4

Manual Integrations
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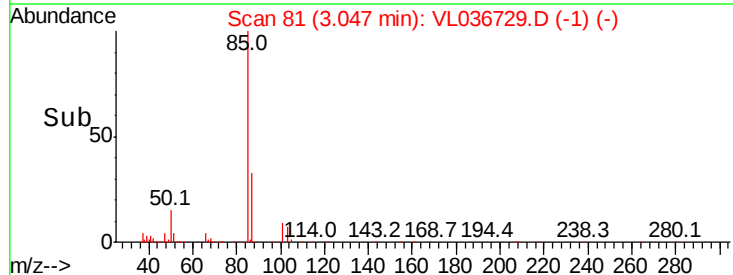
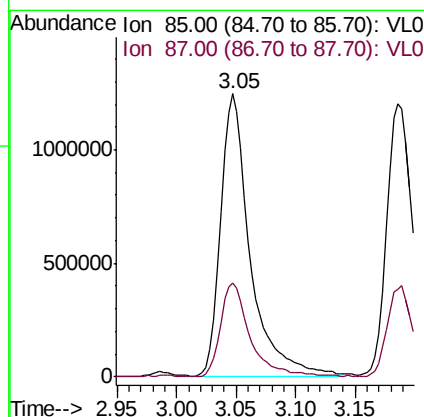
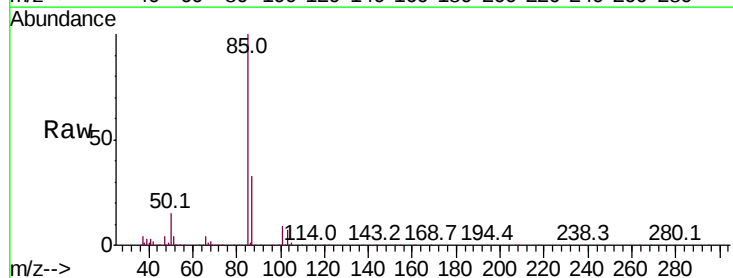
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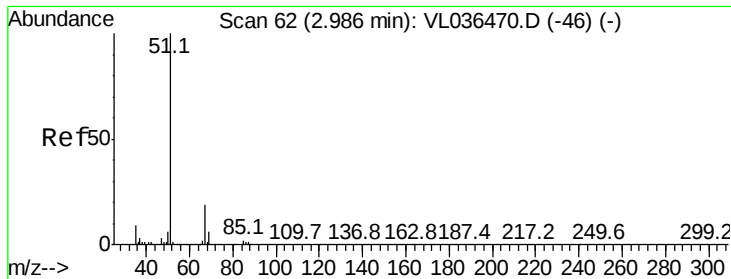


#2

Dichlorodifluoromethane
 Concen: 9.648 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 85 Resp: 2129552
 Ion Ratio Lower Upper
 85 100
 87 33.1 27.8 41.8





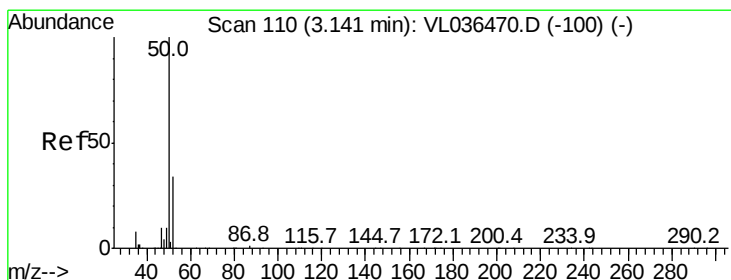
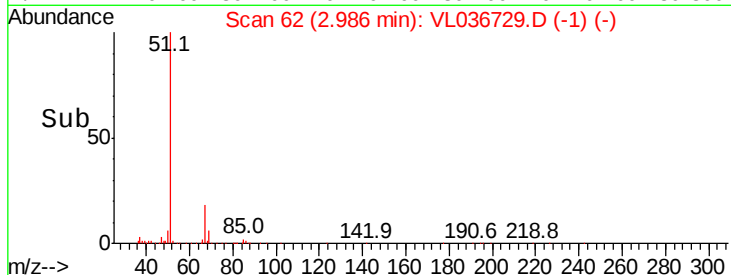
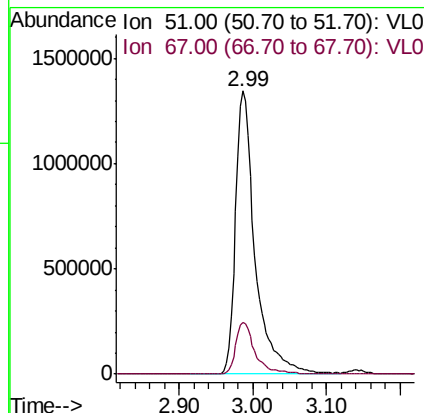
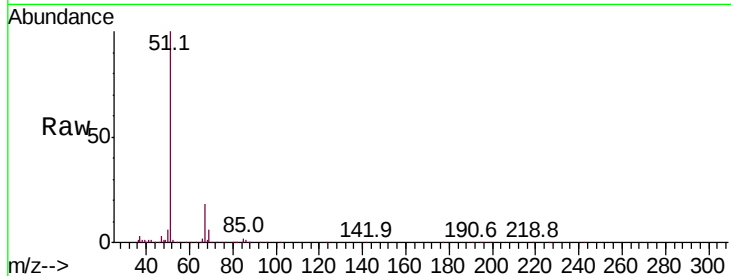
#3
Chlorodifluoromethane
Concen: 9.798 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 51 Resp: 2477269
Ion Ratio Lower Upper
51 100
67 18.3 14.7 22.1

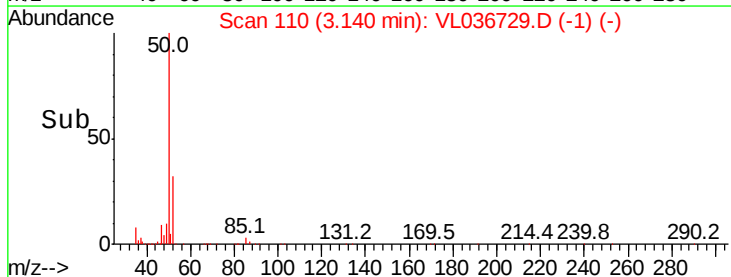
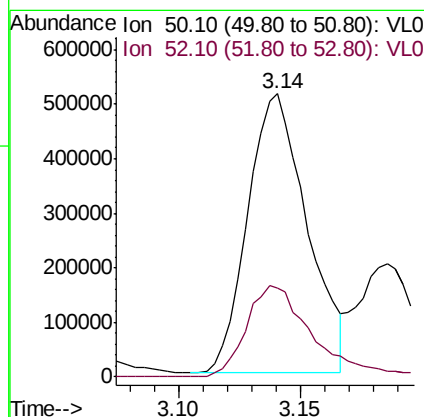
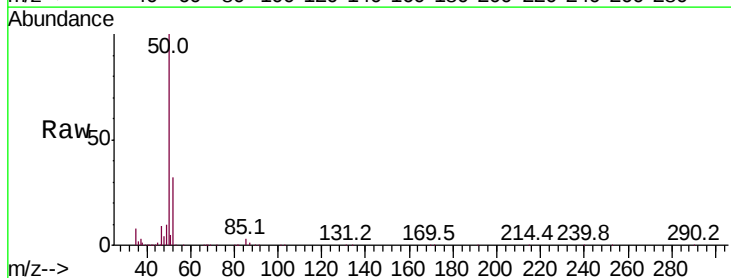
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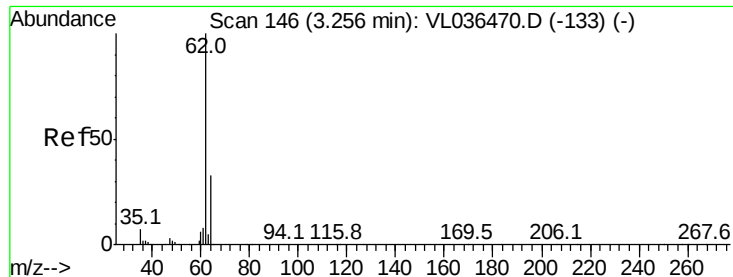
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#4
Chloromethane
Concen: 9.636 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 50 Resp: 860568
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 9.238 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 62 Resp: 848316

Ion Ratio Lower Upper

62 100

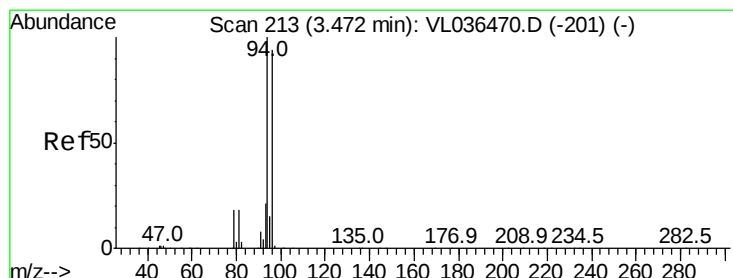
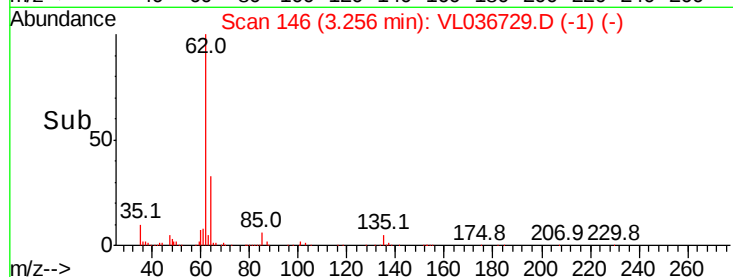
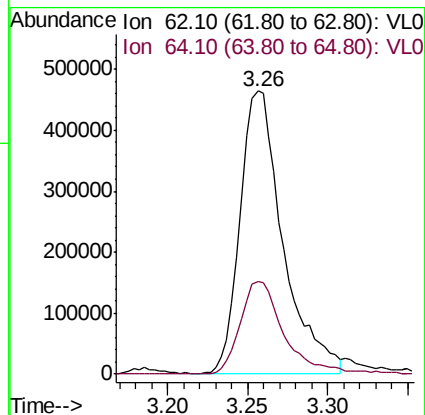
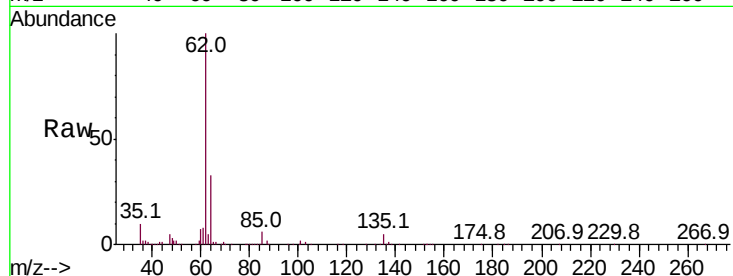
64 32.6 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 9.886 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036729.D

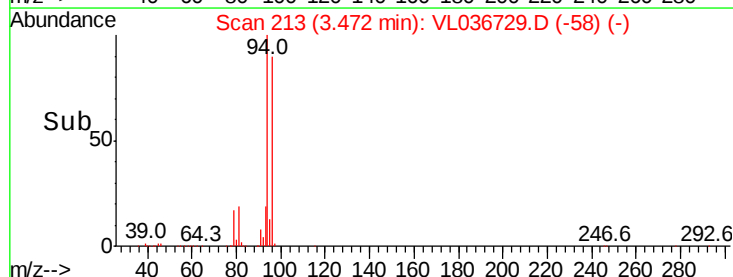
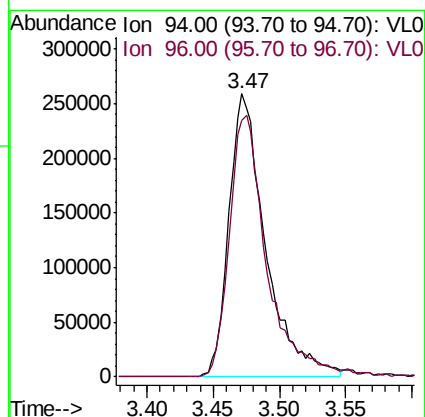
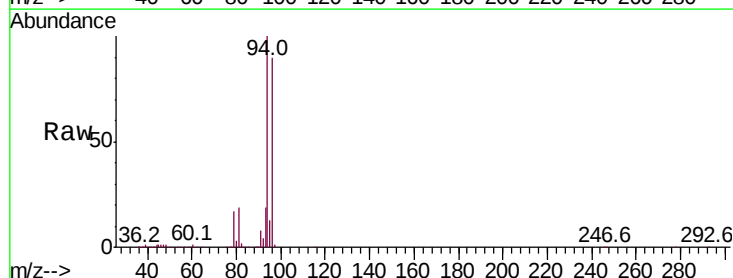
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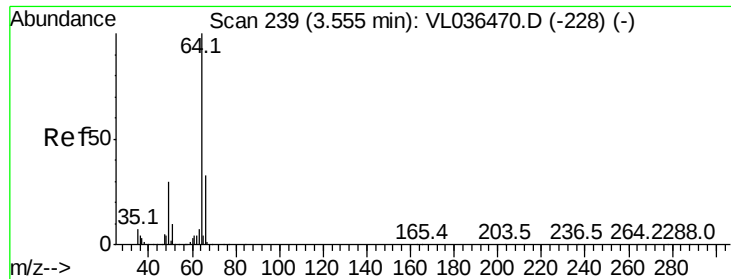
Tgt Ion: 94 Resp: 499791

Ion Ratio Lower Upper

94 100

96 90.5 74.9 112.3





#7

Chloroethane

Concen: 9.662 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 64 Resp: 304879

Ion Ratio Lower Upper

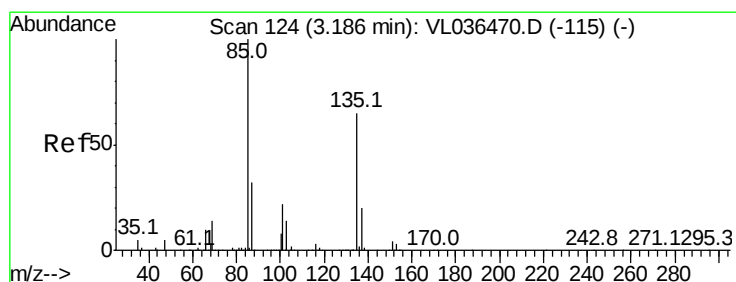
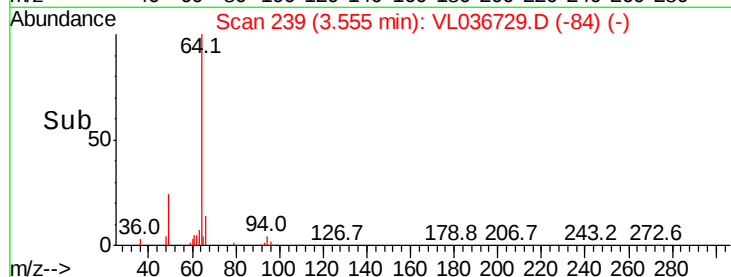
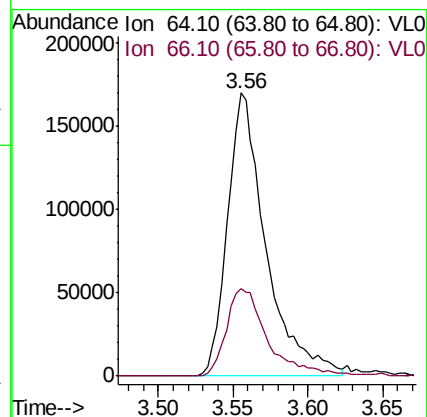
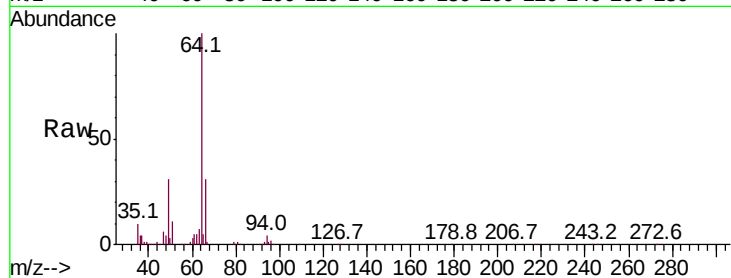
64 100

66 30.9 26.2 39.2

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#8

Dichlorotetrafluoroethane

Concen: 9.715 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036729.D

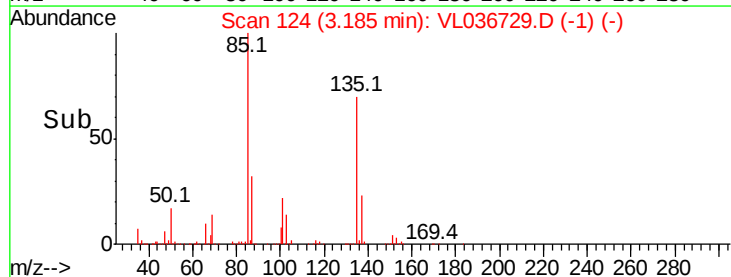
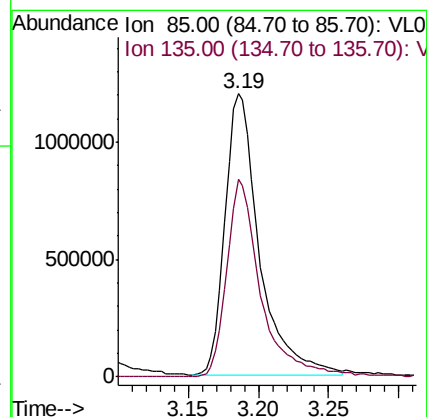
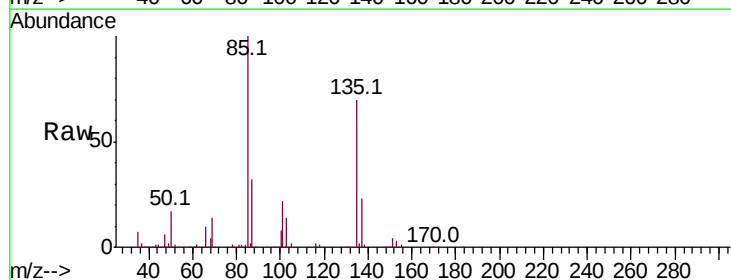
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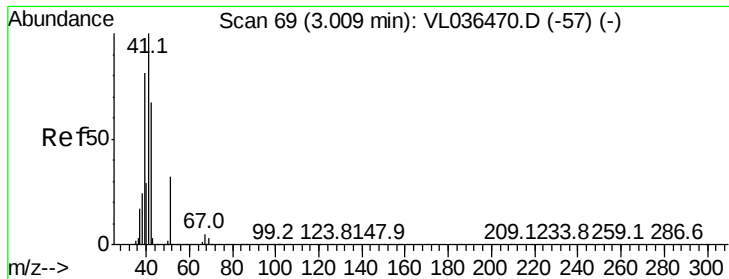
Tgt Ion: 85 Resp: 2046533

Ion Ratio Lower Upper

85 100

135 70.3 54.3 81.5





#9

Propene

Concen: 10.360 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 41 Resp: 835040

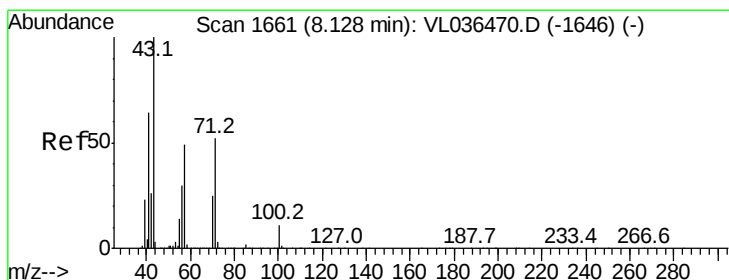
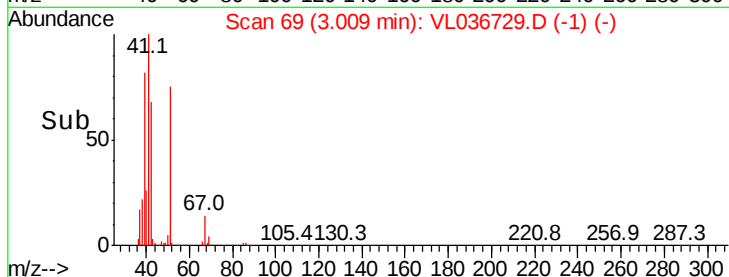
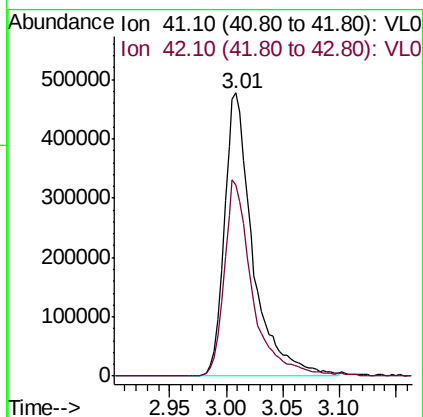
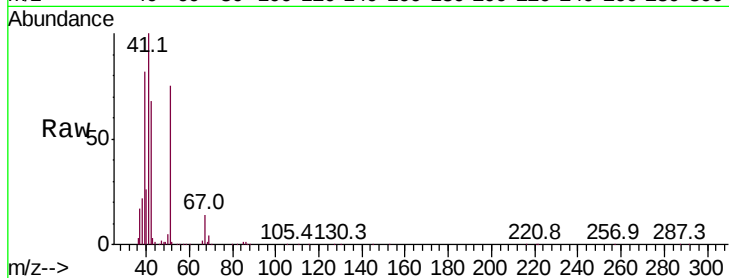
Ion Ratio Lower Upper

41 100

42 69.2 57.0 85.4

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#10

Heptane

Concen: 10.244 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL036729.D

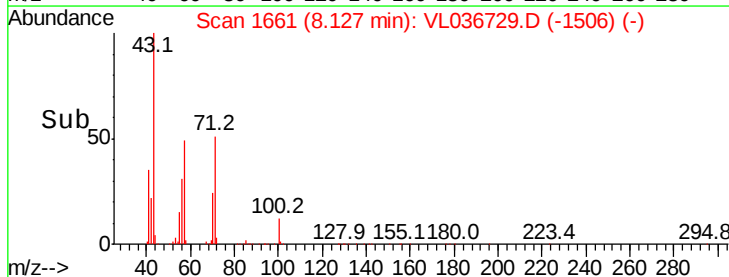
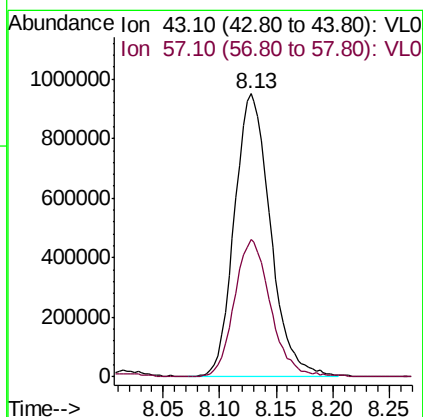
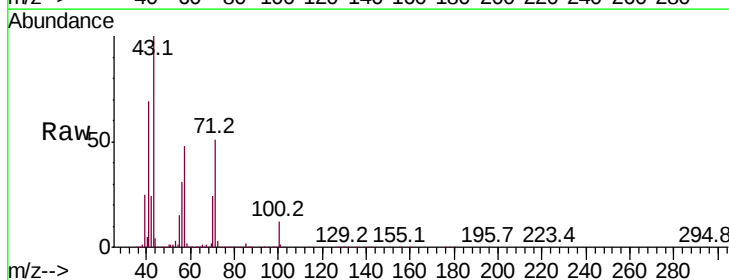
Acq: 7 Apr 2021 16:05

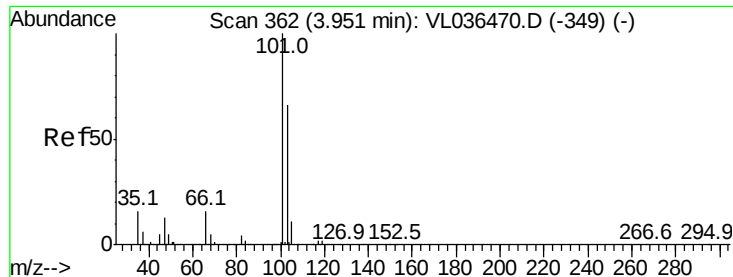
Tgt Ion: 43 Resp: 2103601

Ion Ratio Lower Upper

43 100

57 48.8 39.0 58.6





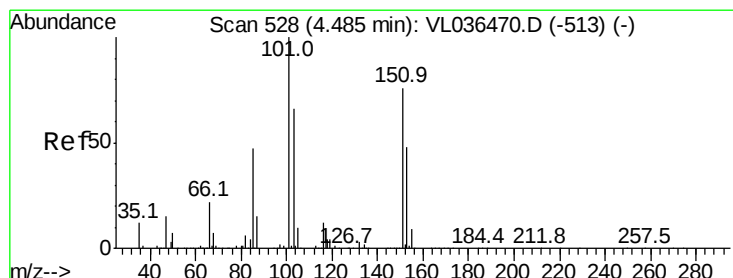
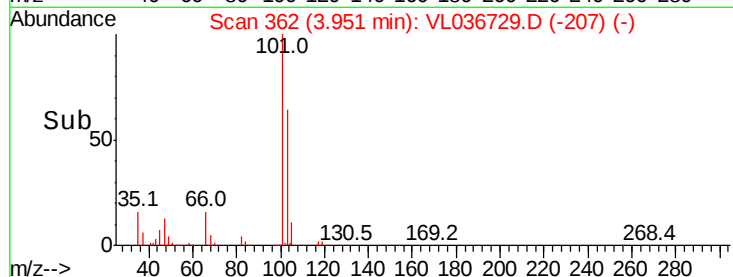
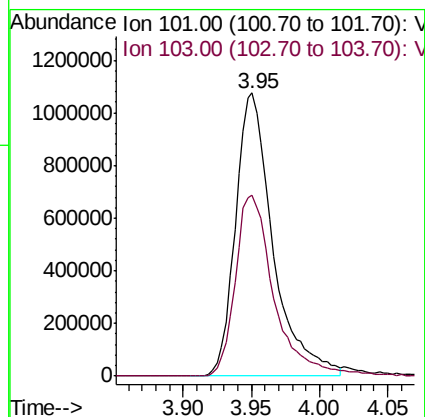
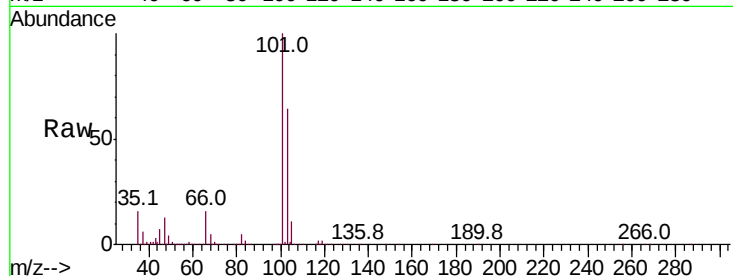
#11
 Trichlorofluoromethane
 Concen: 9.134 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion:101 Resp: 2054522
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.5 78.7

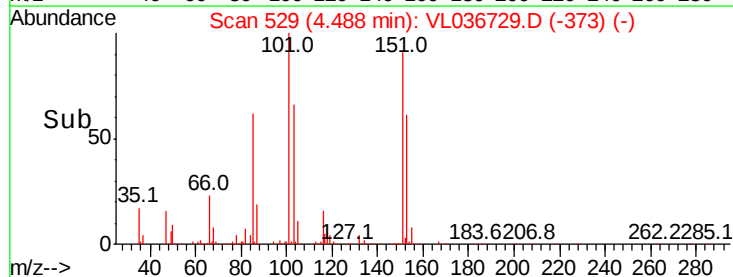
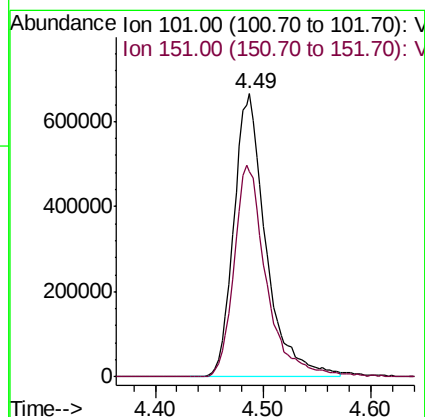
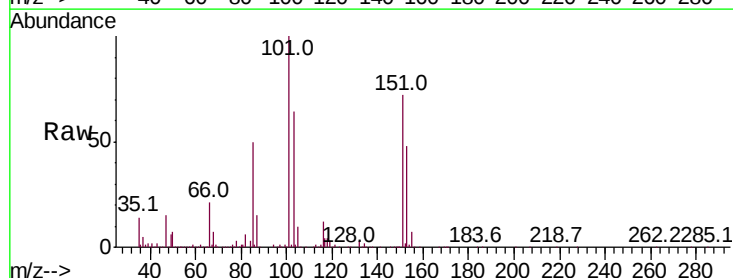
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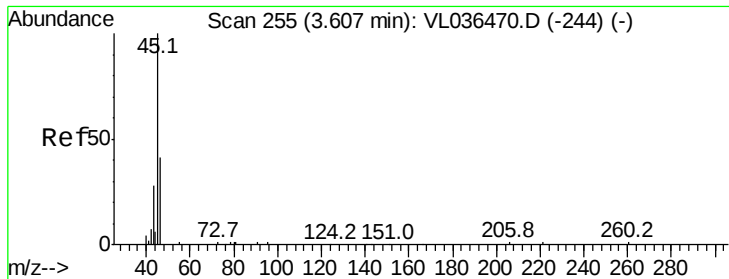
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.588 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion:101 Resp: 1378907
 Ion Ratio Lower Upper
 101 100
 151 75.9 60.9 91.3





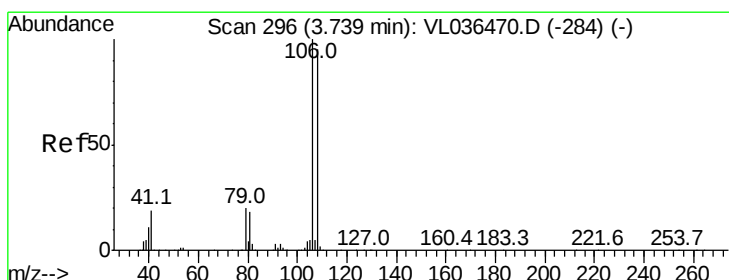
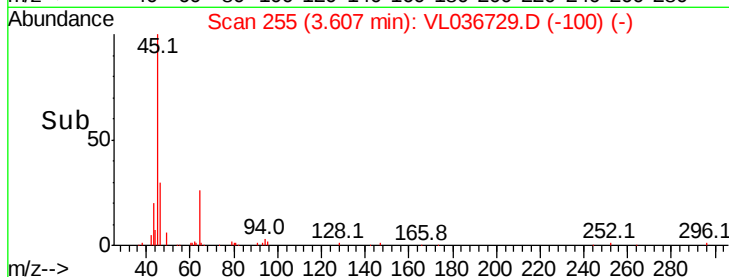
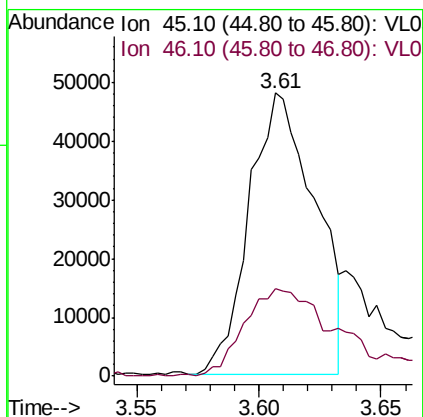
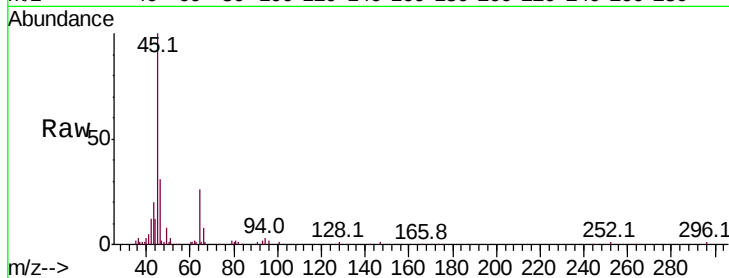
#13
Ethanol
Concen: 9.370 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	51.1	16.6	66.2	

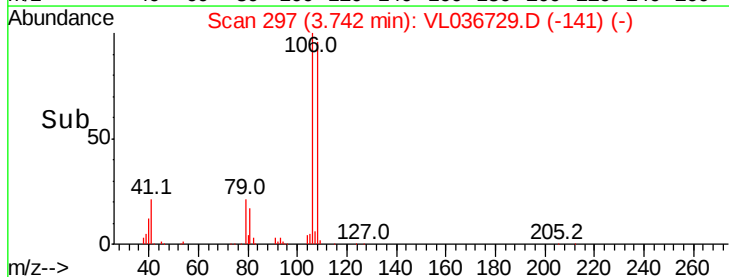
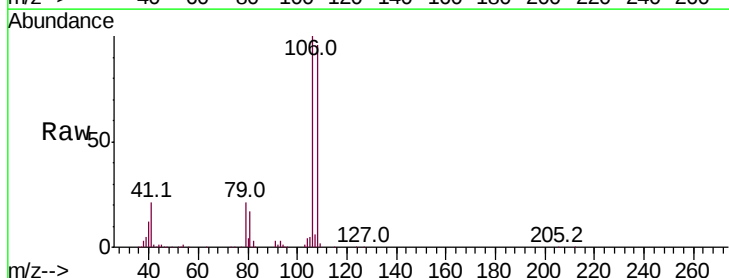
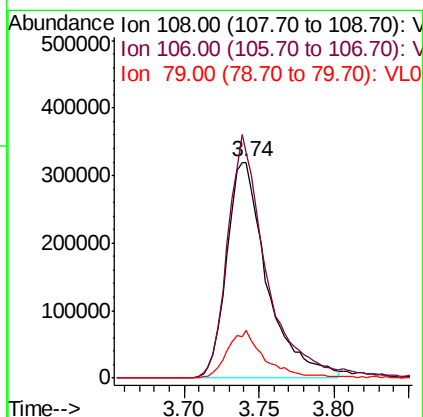
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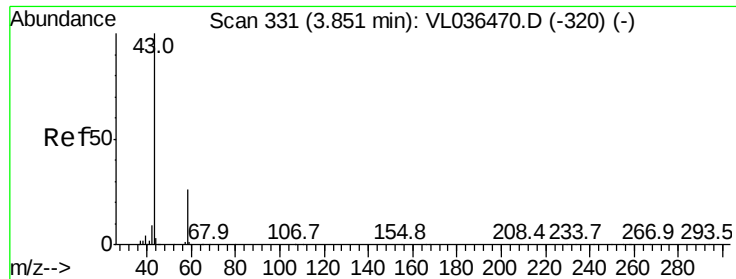
MMDadoda
4/12/2021 11:15:46 AM



#14
Bromoethene
Concen: 10.032 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	110.9	89.0	133.6	
79	21.3	16.6	25.0	





#15

Acetone

Concen: 9.227 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 43 Resp: 1228903

Ion Ratio Lower Upper

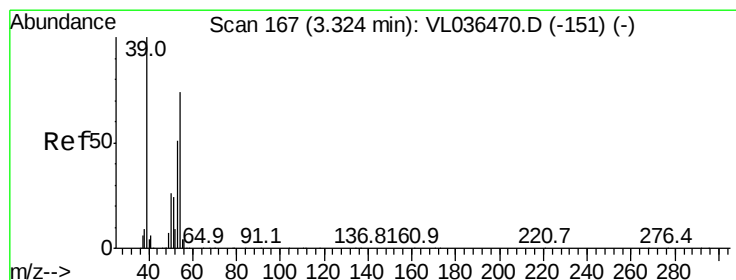
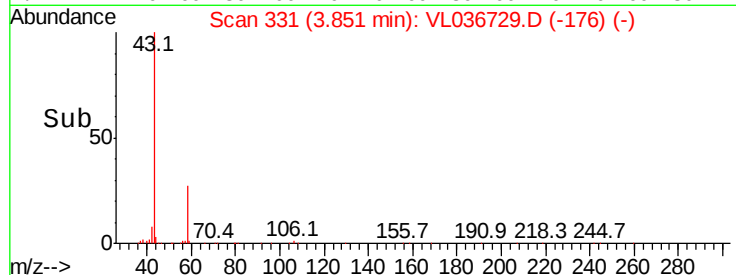
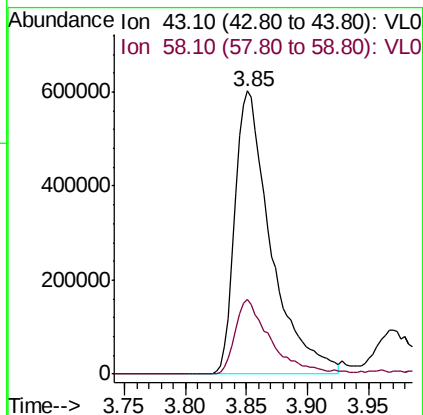
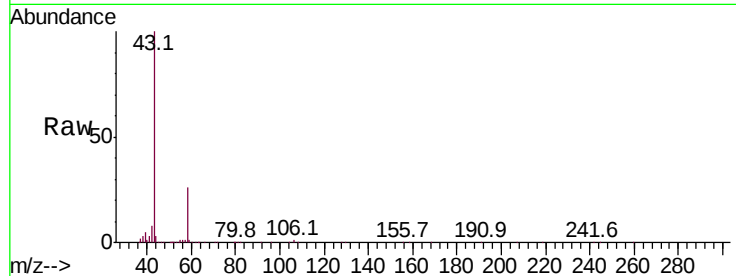
43 100

58 26.3 21.2 31.8

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#16

1,3-Butadiene

Concen: 9.697 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036729.D

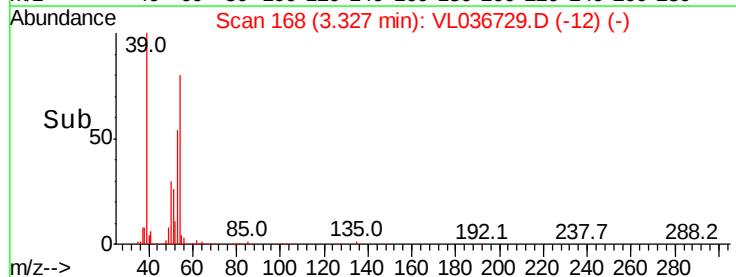
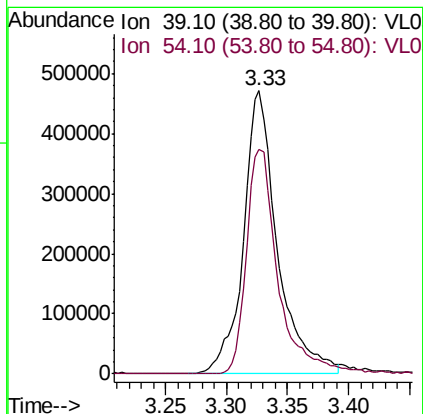
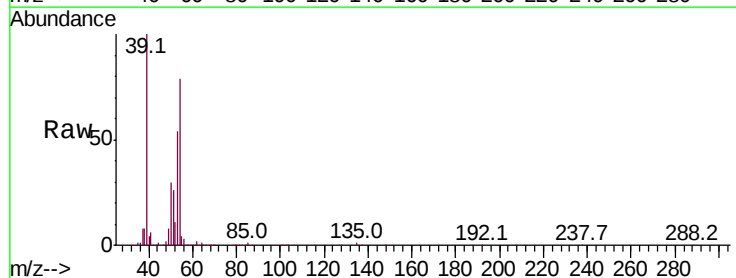
Acq: 7 Apr 2021 16:05

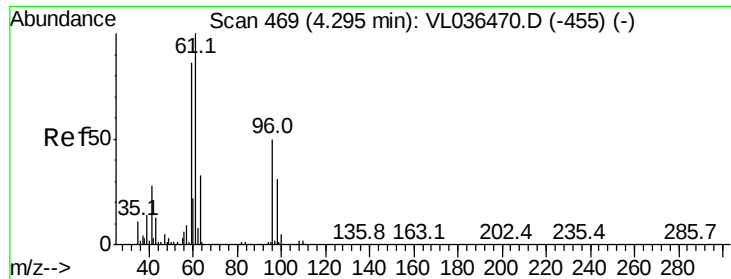
Tgt Ion: 39 Resp: 899236

Ion Ratio Lower Upper

39 100

54 74.8 58.8 88.2





#17

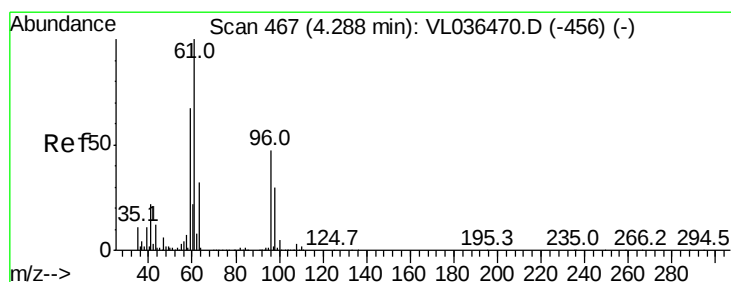
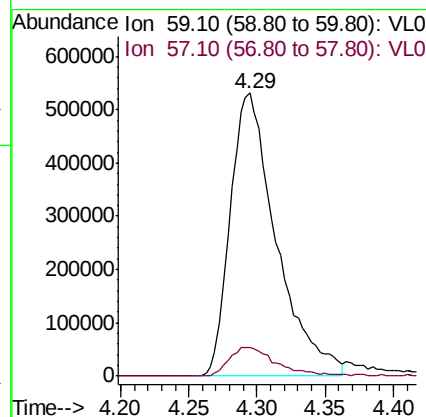
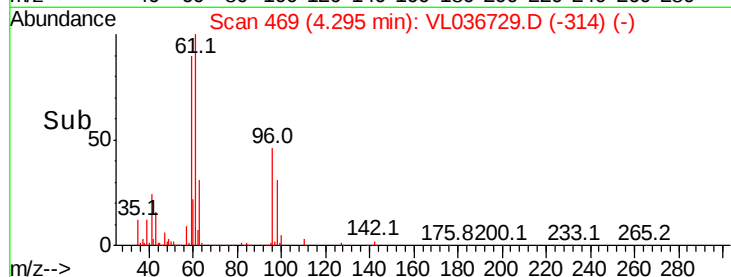
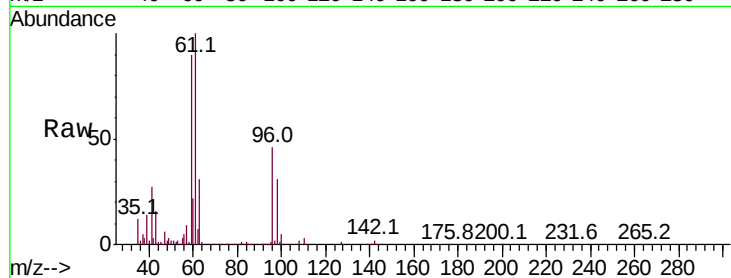
tert-Butyl alcohol
 Concen: 10.745 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 59 Resp: 1245887
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8

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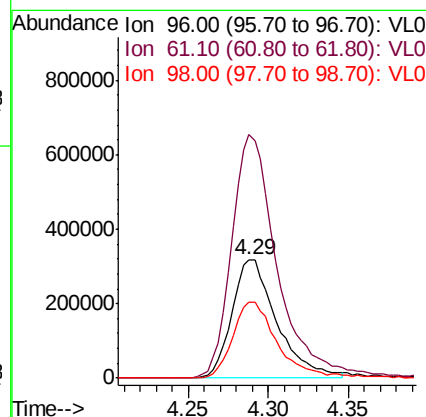
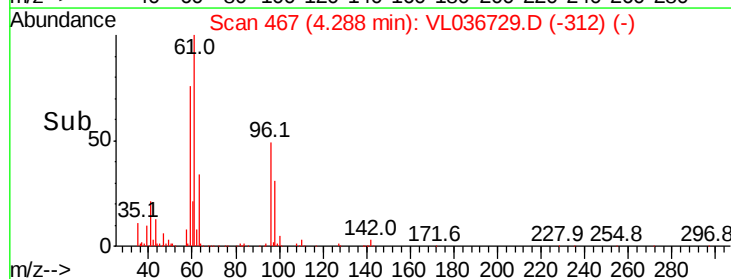
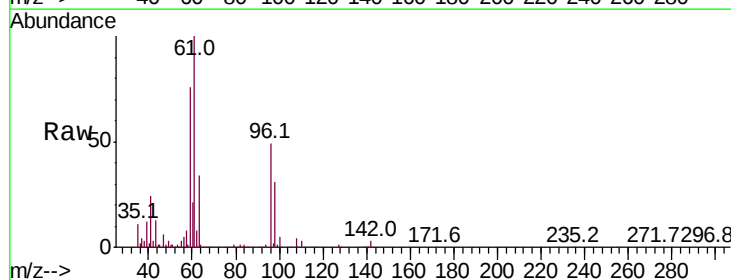
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 4/12/2021 11:15:46 AM

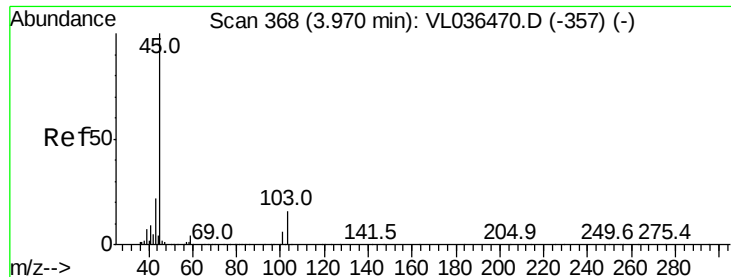


#18

1,1-Dichloroethene
 Concen: 9.484 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 96 Resp: 606688
 Ion Ratio Lower Upper
 96 100
 61 205.8 168.6 253.0
 98 64.0 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.046 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 45 Resp: 736086

Ion Ratio Lower Upper

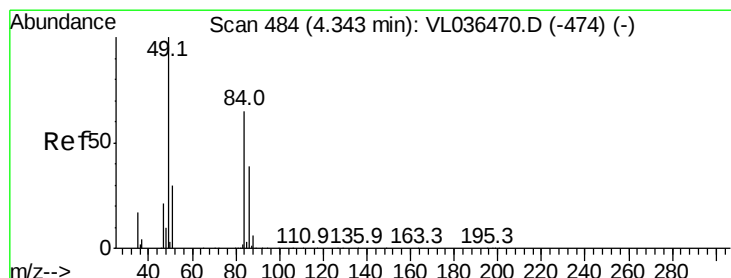
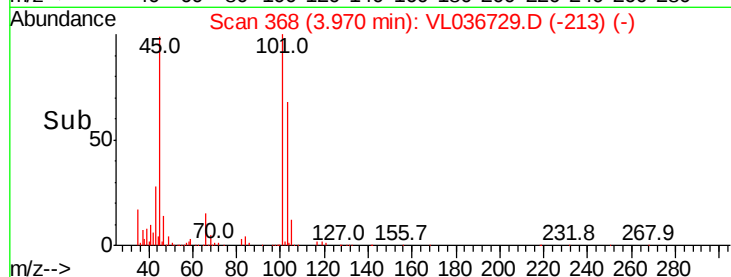
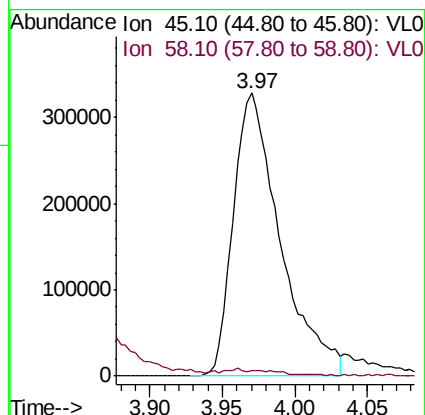
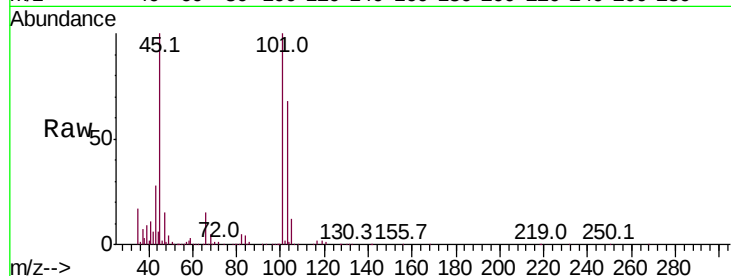
45 100

58 2.4 2.9 4.3#

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#20

Methylene Chloride

Concen: 8.735 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion: 84 Resp: 544746

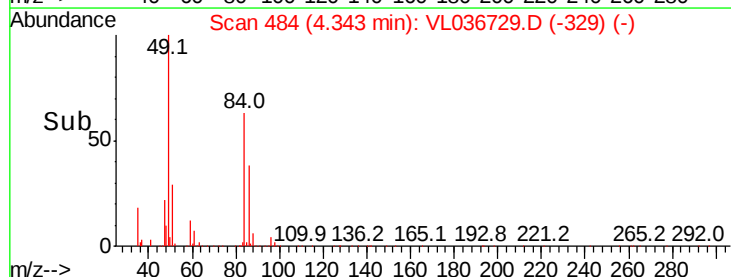
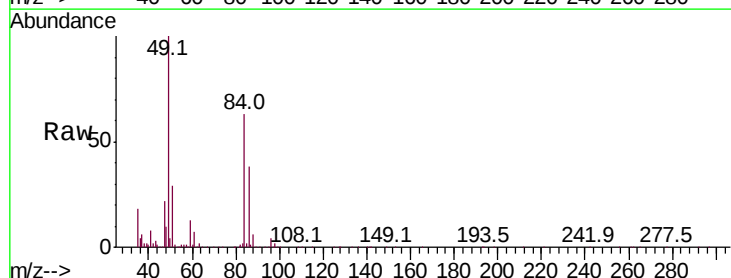
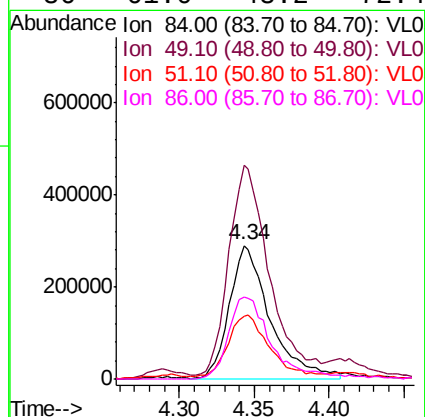
Ion Ratio Lower Upper

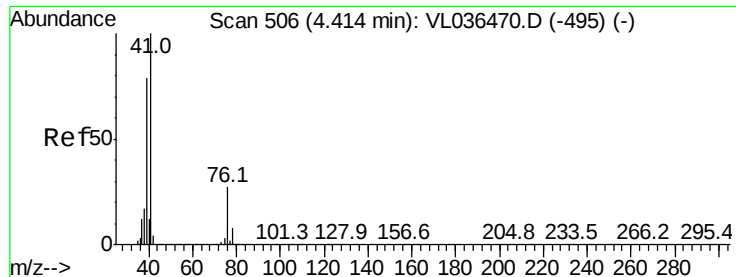
84 100

49 156.9 122.9 184.3

51 44.8 36.9 55.3

86 61.0 48.2 72.4





#21

Allvl Chloride

Concen: 9.933 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

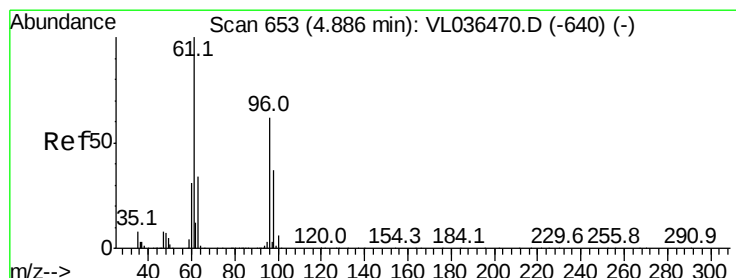
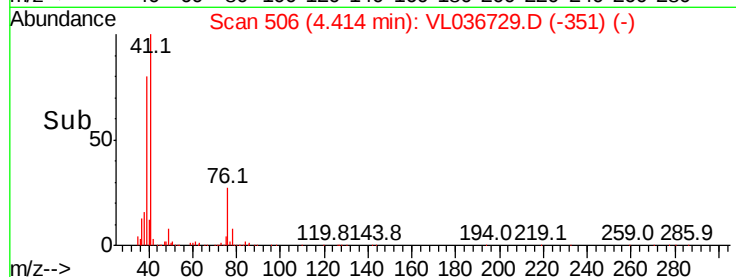
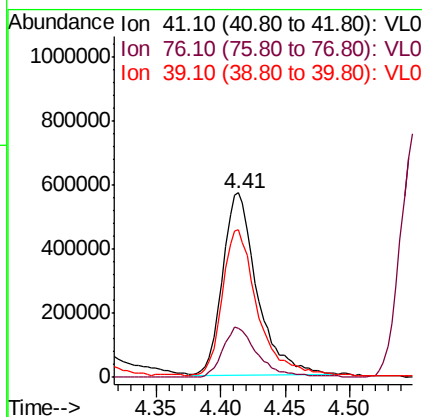
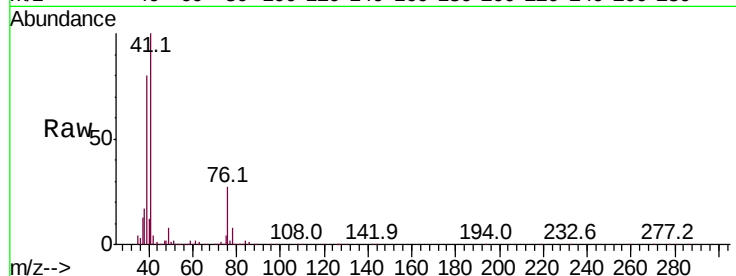
ClientSampleId :

VL0407ABS01

Tot Ion:	41	Resp:	1054600
Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.9	34.3
39	83.6	67.3	100.9

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#22

trans-1,2-Dichloroethene

Concen: 9.467 ppbv

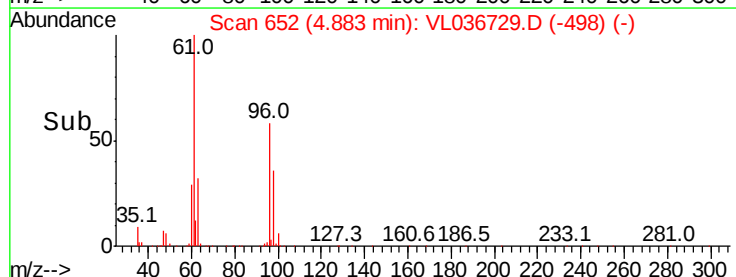
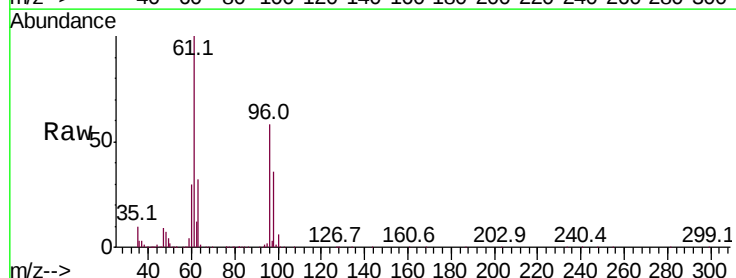
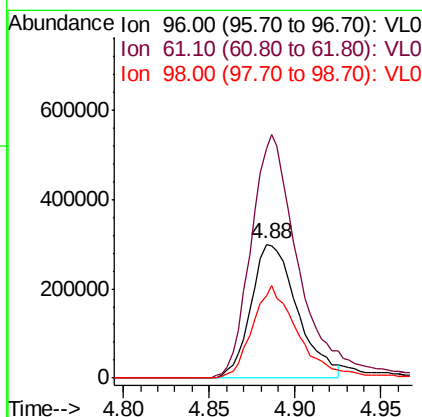
RT: 4.88 min Scan# 652

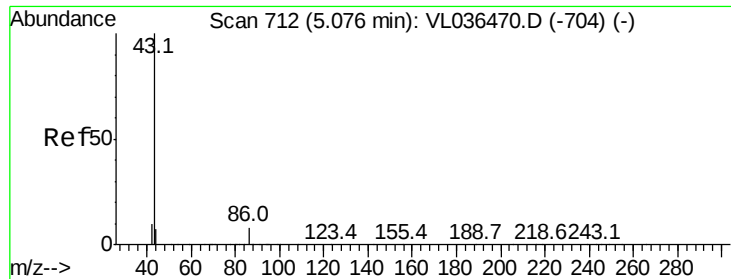
Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:	96	Resp:	561484
Ion	Ratio	Lower	Upper
96	100		
61	171.3	129.4	194.0
98	61.1	48.2	72.4





#23

Vinyl Acetate

Concen: 10.742 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tot Ion: 43 Resp: 2447376

Ion Ratio Lower Upper

43 100

86 6.8 5.4 8.0

42 11.0 8.5 12.7

44 4.9 4.6 7.0

Instrument :

MSVOA_L

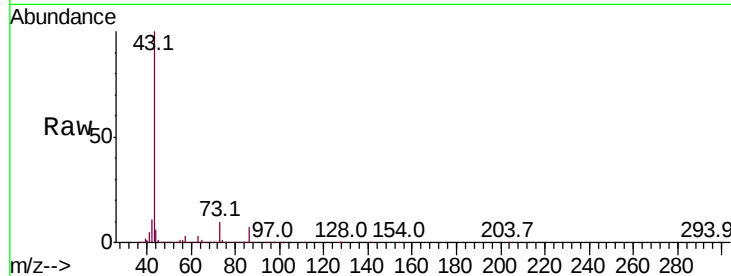
ClientSampleId :

VL0407ABS01

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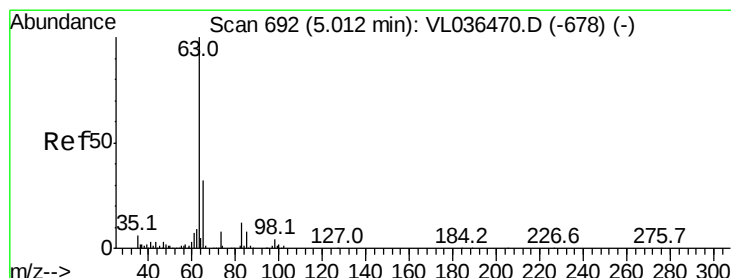
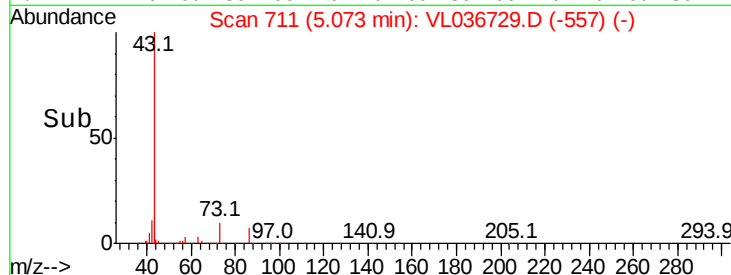
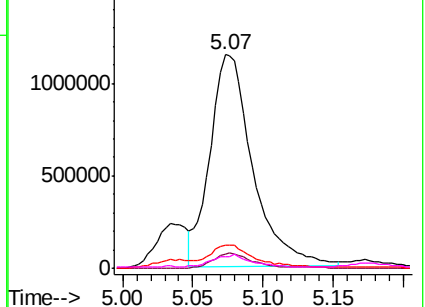


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.066 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

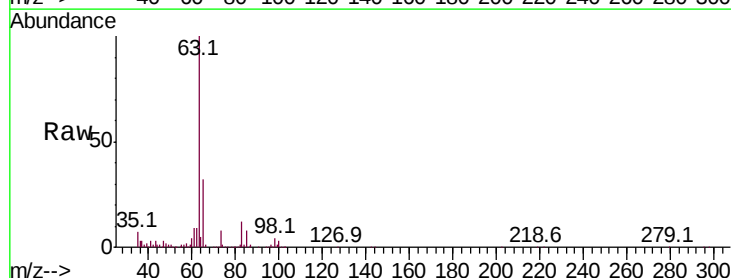
Tgt Ion: 63 Resp: 1671552

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

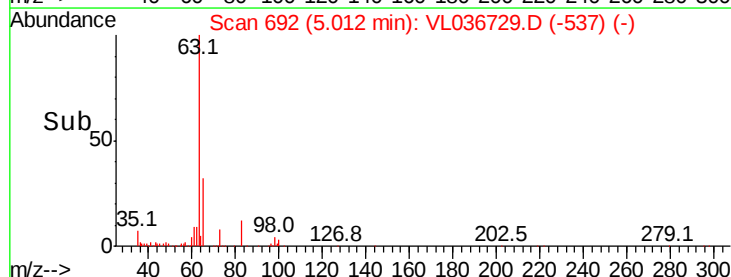
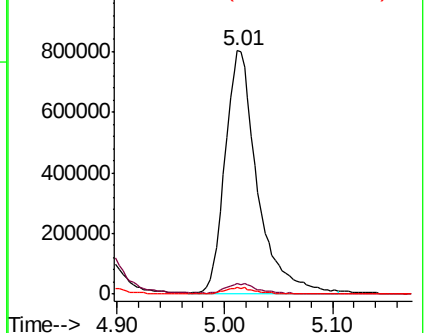
100 2.7 0.9 2.8

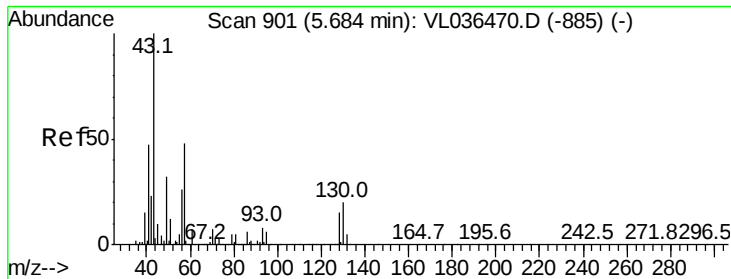


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





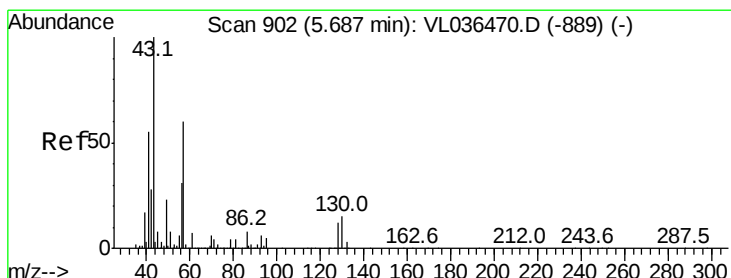
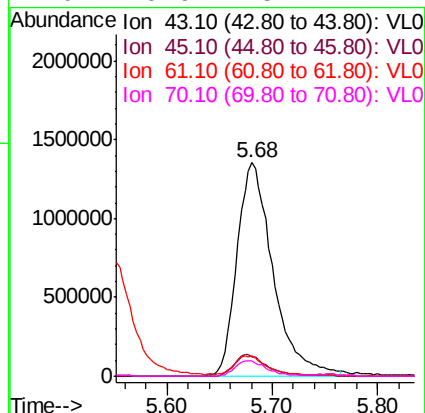
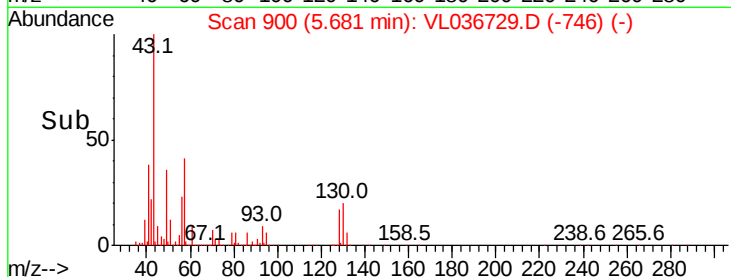
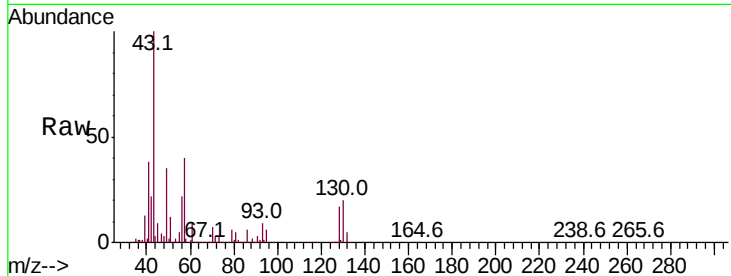
#25
Ethyl Acetate
Concen: 10.101 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.7	7.4	11.2
70	6.6	5.1	7.7

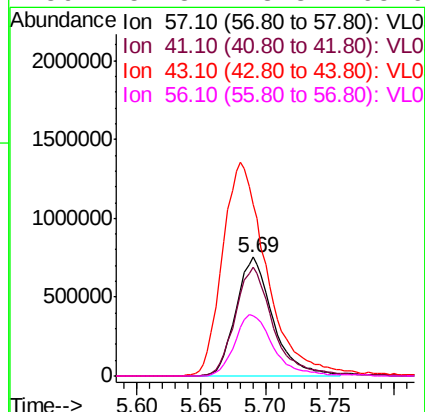
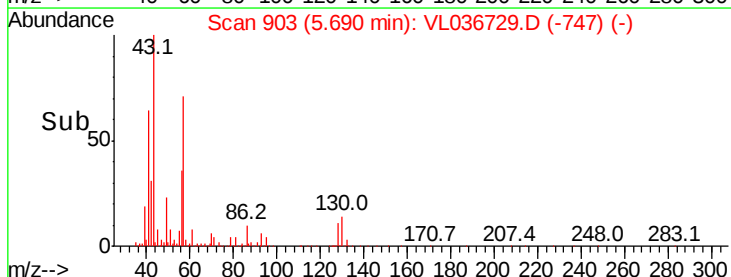
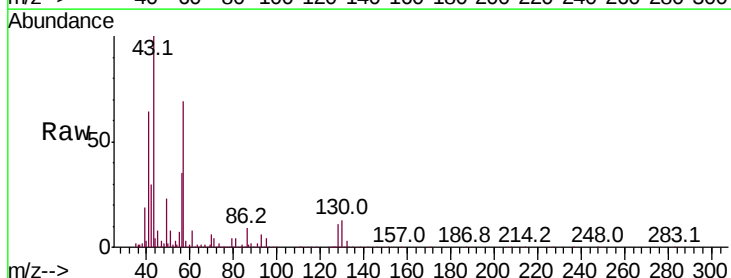
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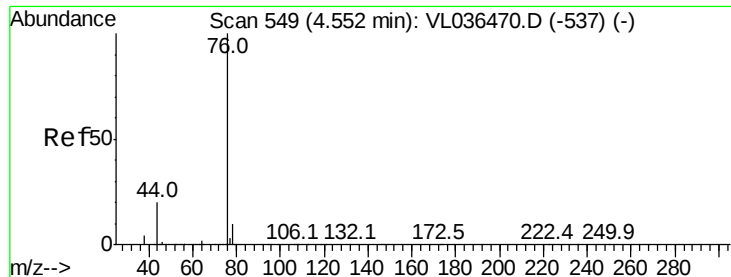
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#26
Hexane
Concen: 10.252 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.2	77.2	115.8
43	216.6	173.8	260.6
56	54.8	43.8	65.6





#27

Carbon Disulfide

Concen: 10.509 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

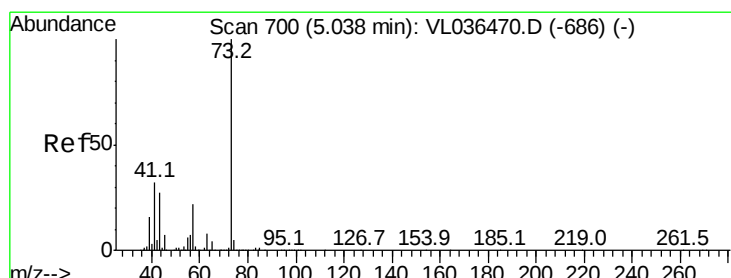
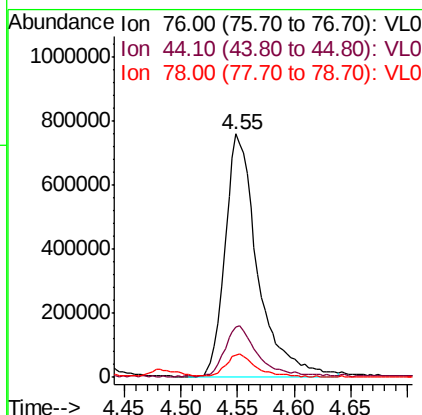
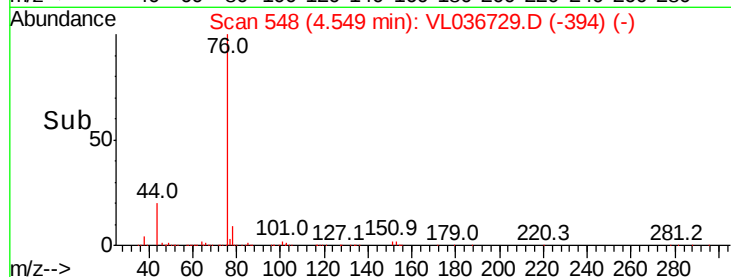
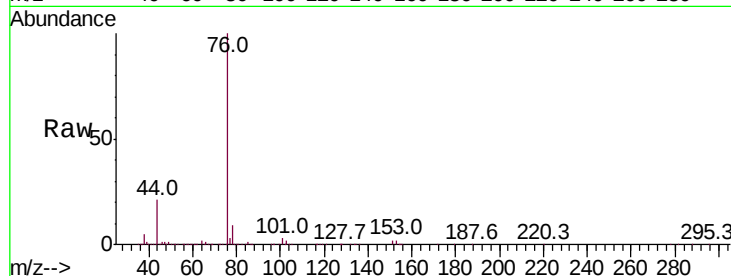
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 76 Resp: 1521266

Ion	Ratio	Lower	Upper
76	100		
44	21.3	17.5	26.3
78	9.4	8.6	13.0

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#28

Methyl tert-Butyl Ether

Concen: 10.497 ppbv

RT: 5.03 min Scan# 699

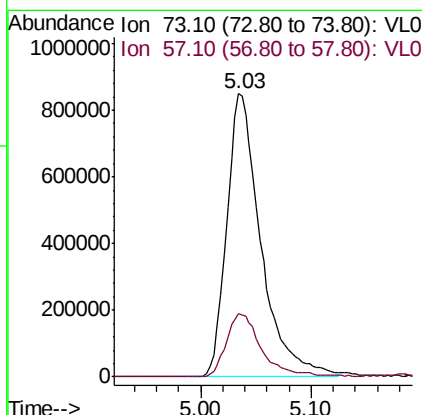
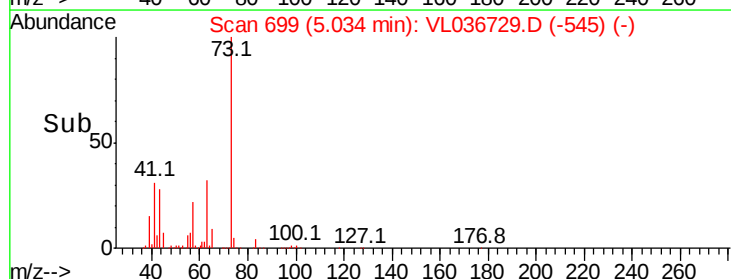
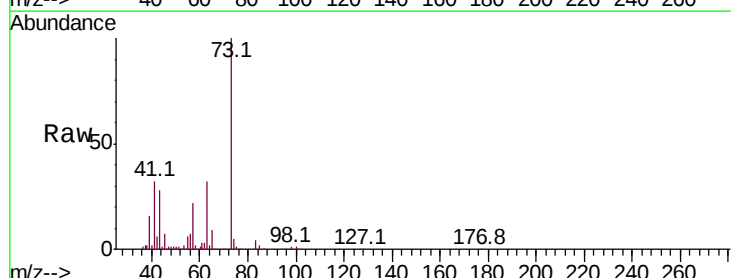
Delta R.T. -0.00 min

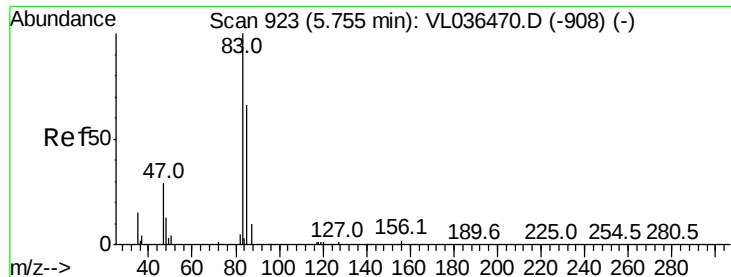
Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion: 73 Resp: 1819138

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7





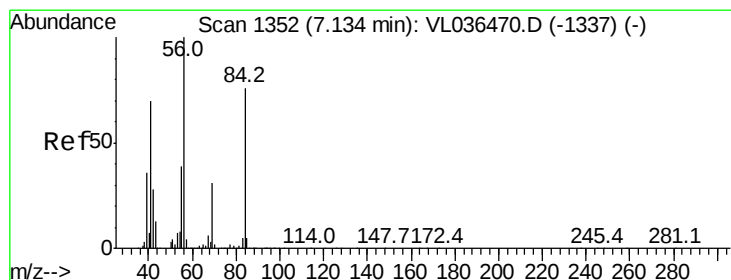
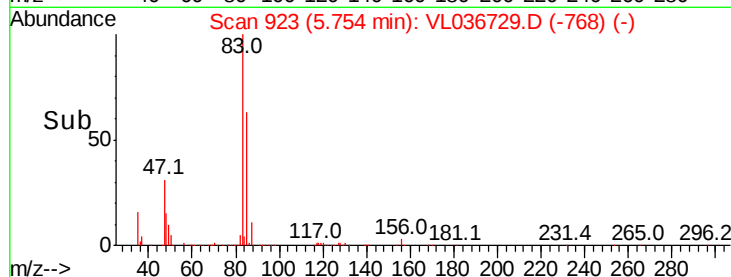
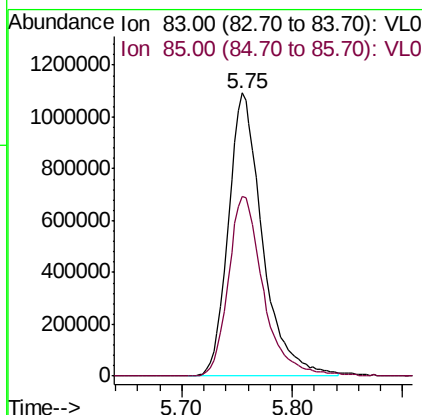
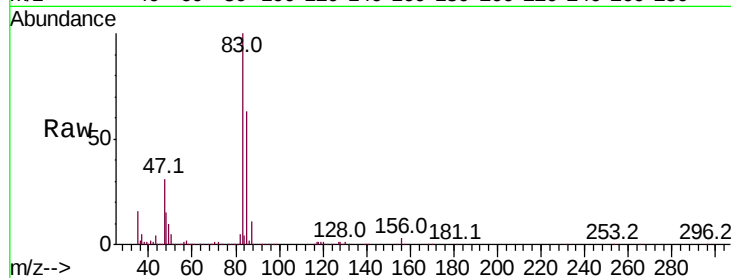
#29
Chloroform
Concen: 9.979 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 83 Resp: 2345098
Ion Ratio Lower Upper
83 100
85 63.0 52.6 78.8

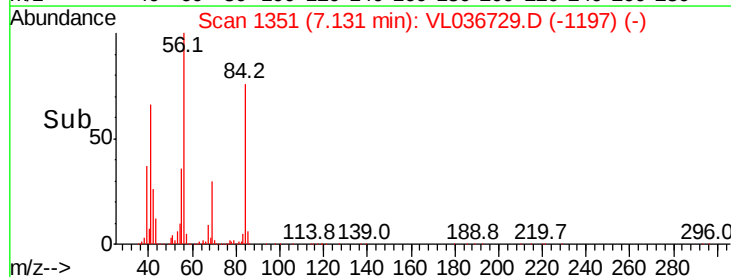
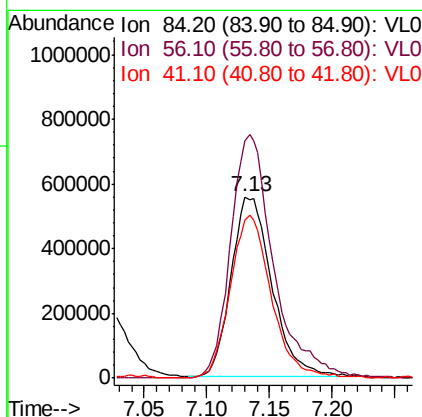
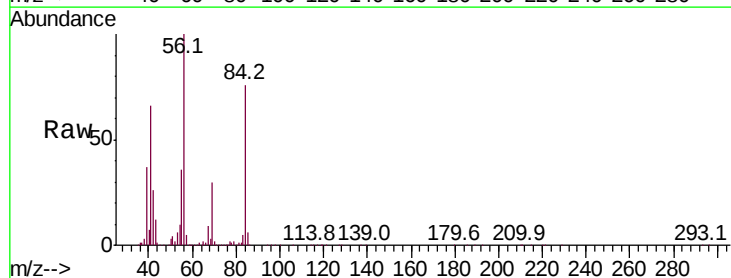
Manual Integrations
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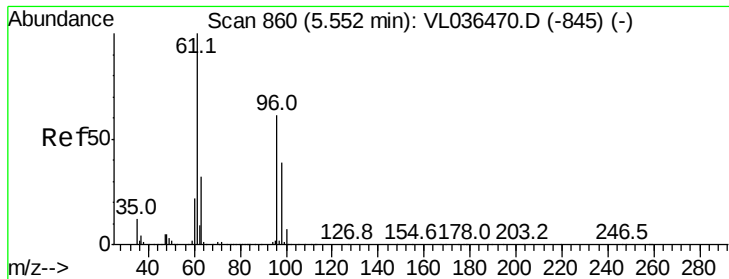
MMDadoda
4/12/2021 11:15:46 AM



#30
Cyclohexane
Concen: 10.592 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 84 Resp: 1262335
Ion Ratio Lower Upper
84 100
56 143.1 114.6 171.8
41 90.5 75.3 112.9





#31

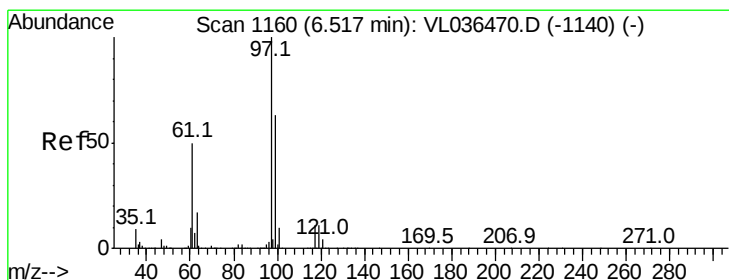
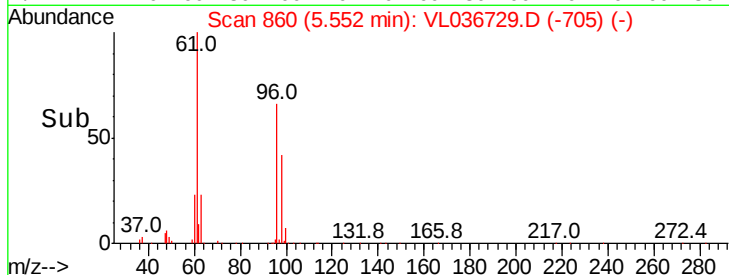
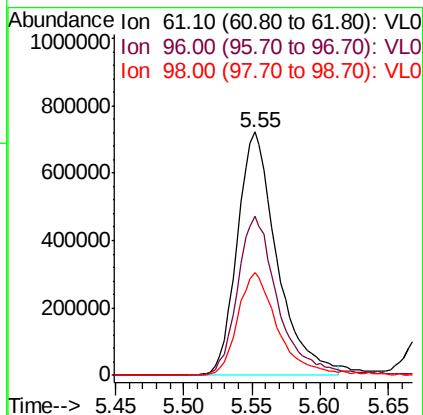
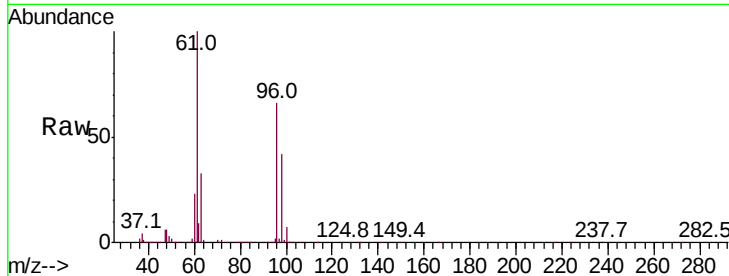
cis-1,2-Dichloroethene
Concen: 10.293 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.6	48.7	73.1
98	42.0	31.4	47.0

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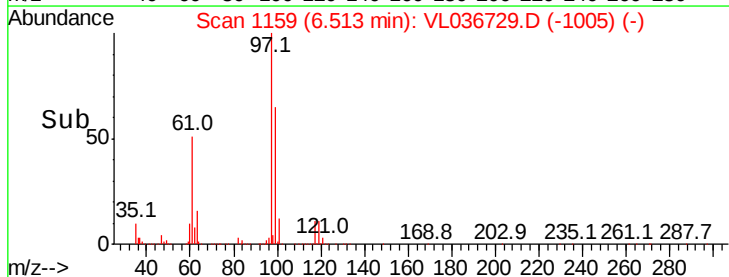
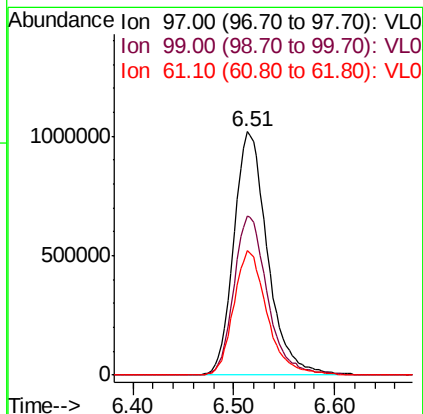
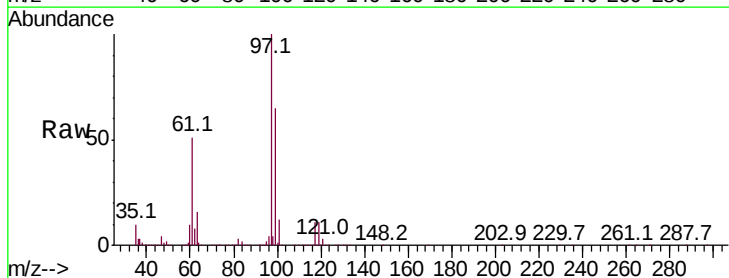
MMDadoda
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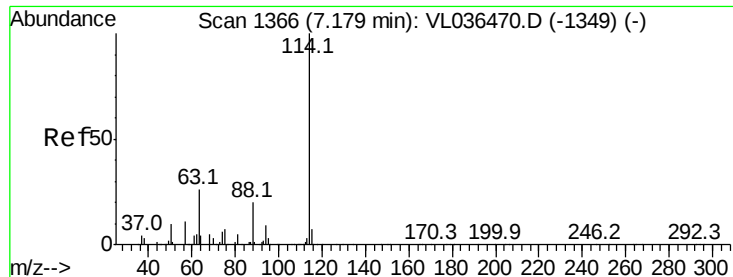


#32

1,1,1-Trichloroethane
Concen: 10.014 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	50.9	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

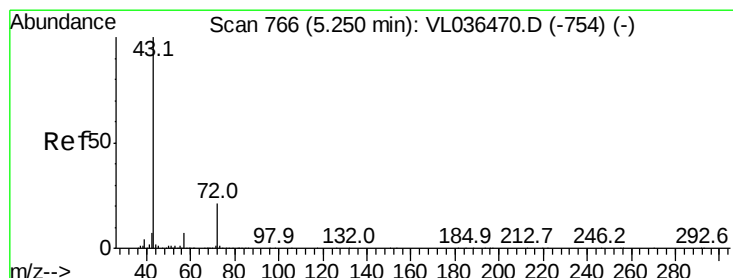
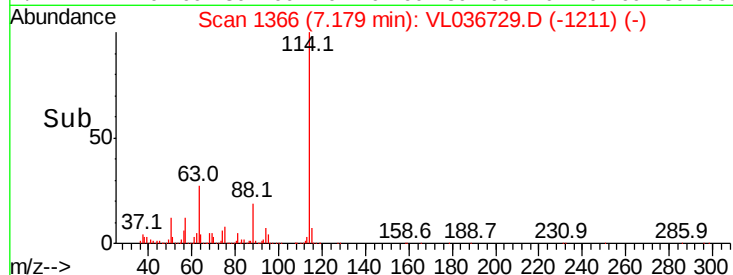
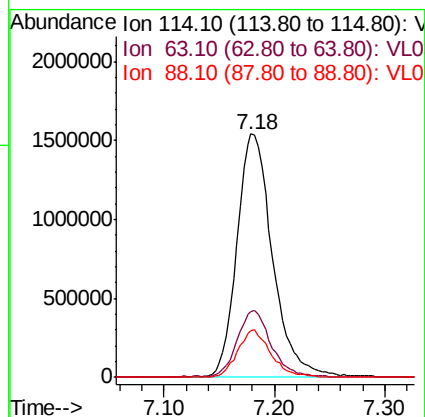
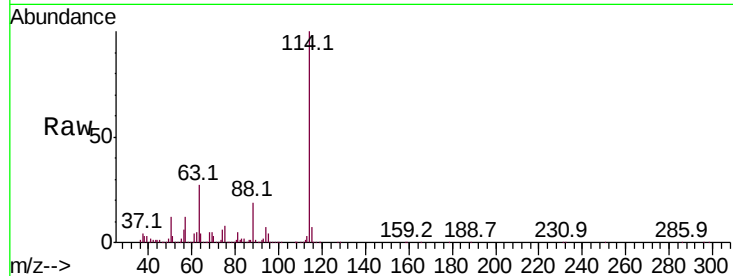
Instrument :
MSVOA_L

ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	18.5	15.4	23.0

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#34

2-Butanone

Concen: 9.476 ppbv

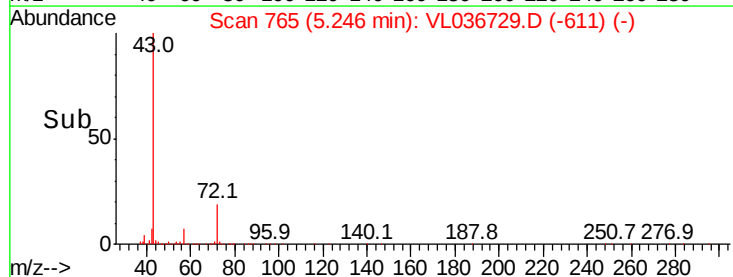
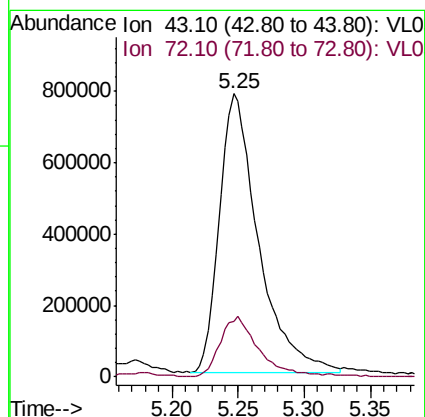
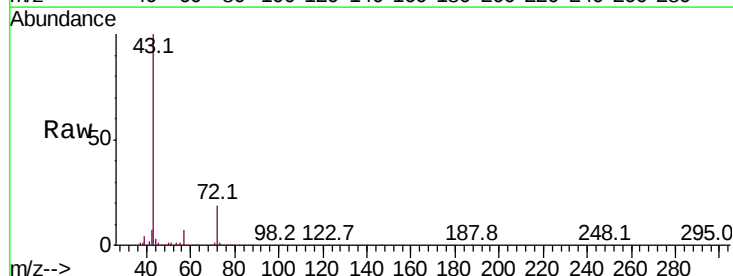
RT: 5.25 min Scan# 765

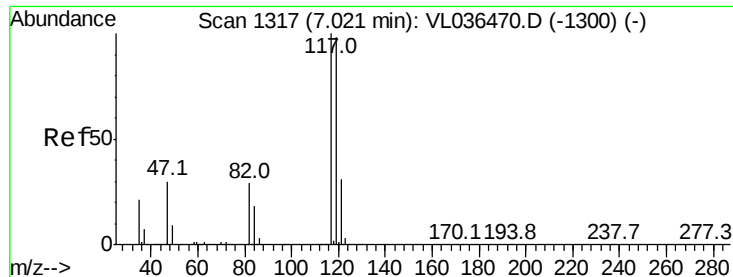
Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.382 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 117 Resp: 2479319

Ion Ratio Lower Upper

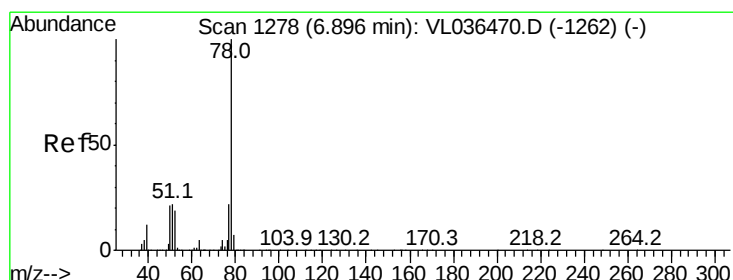
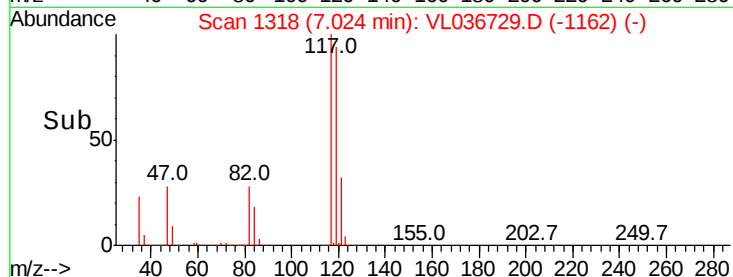
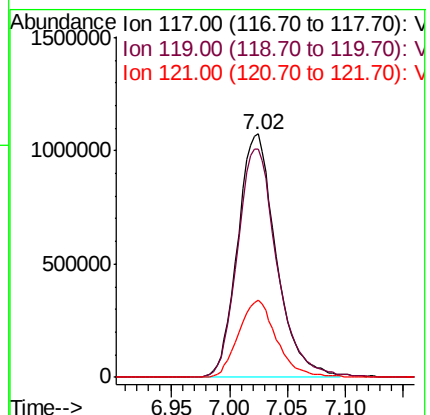
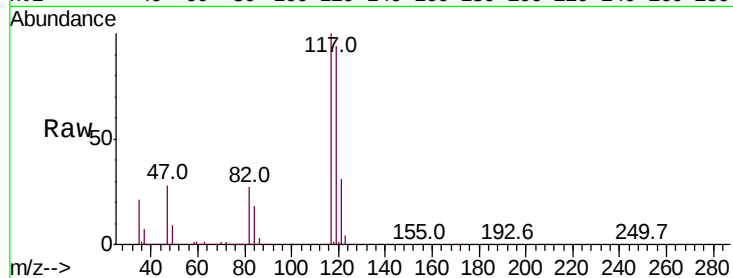
117 100

119 93.9 78.2 117.2

121 31.4 24.5 36.7

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#36

Benzene

Concen: 9.830 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

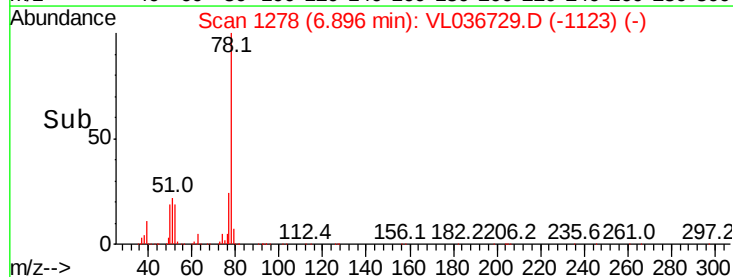
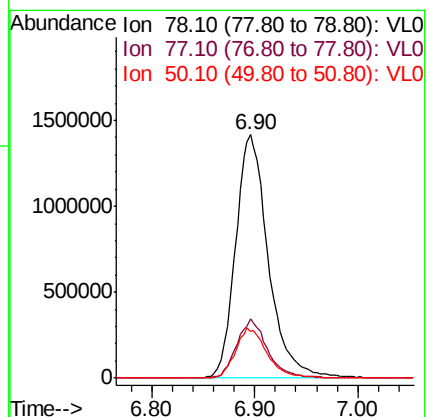
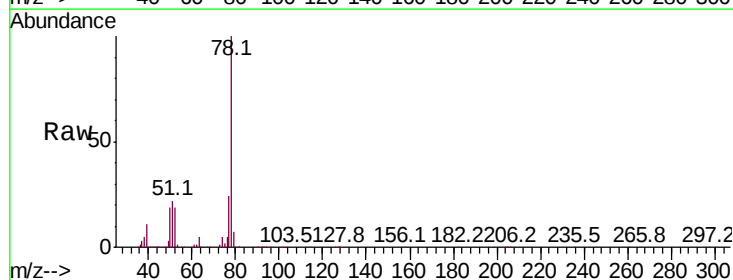
Tgt Ion: 78 Resp: 3119296

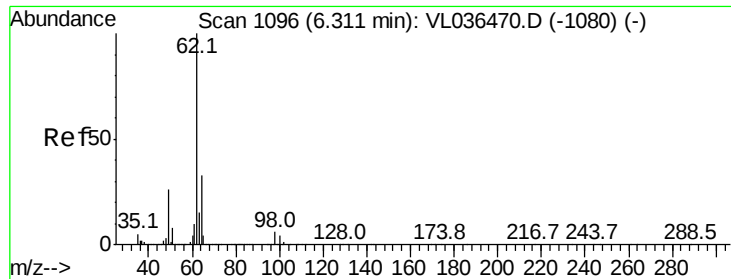
Ion Ratio Lower Upper

78 100

77 24.2 18.0 27.0

50 19.3 16.5 24.7





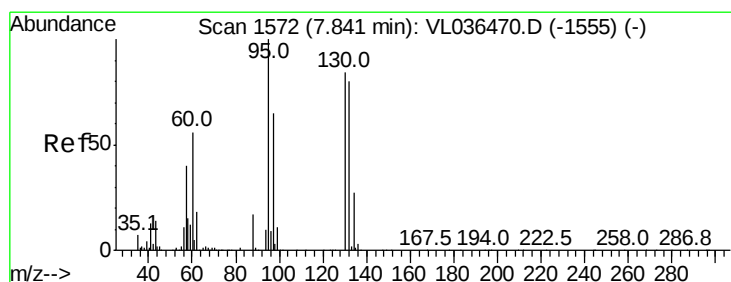
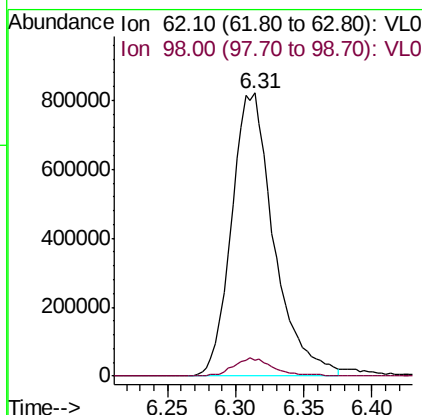
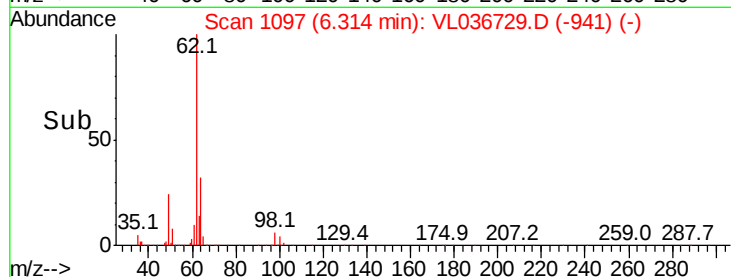
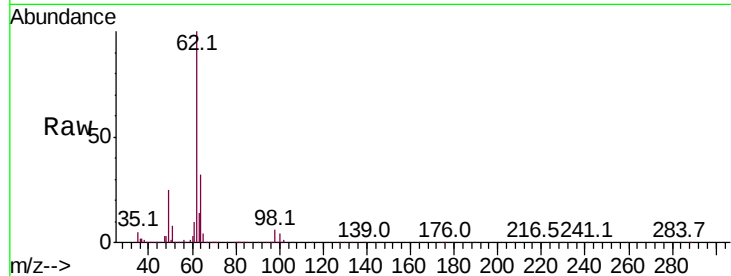
#37
 1,2-Dichloroethane
 Concen: 9.485 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion: 62 Resp: 1771404
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3

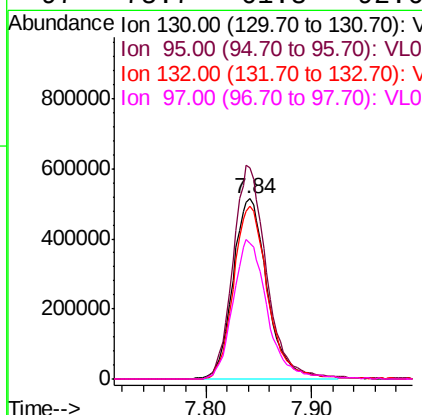
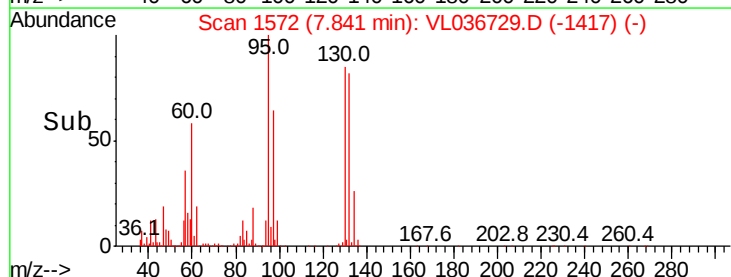
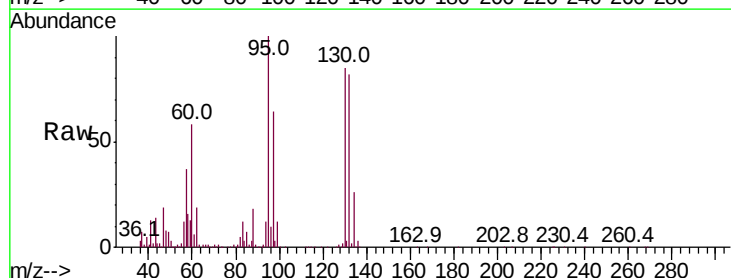
Manual Integrations
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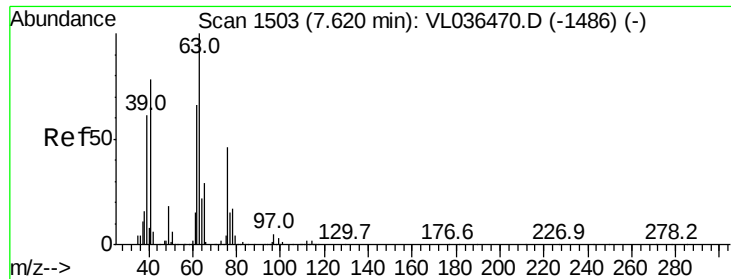
MMDadoda
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#38
 Trichloroethene
 Concen: 9.311 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion: 130 Resp: 1149890
 Ion Ratio Lower Upper
 130 100
 95 117.2 95.7 143.5
 132 95.9 76.2 114.4
 97 75.7 61.8 92.6





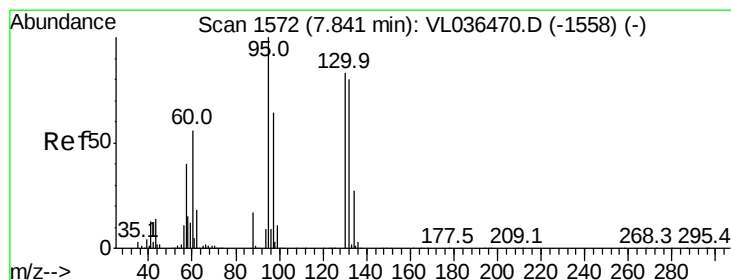
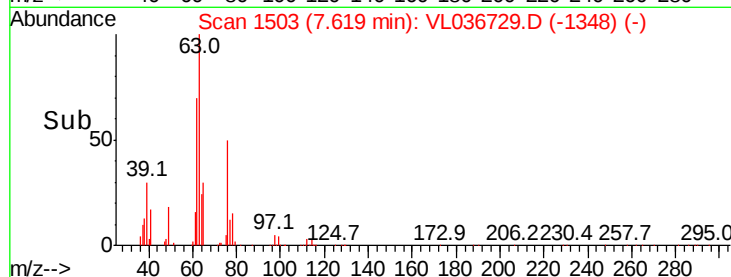
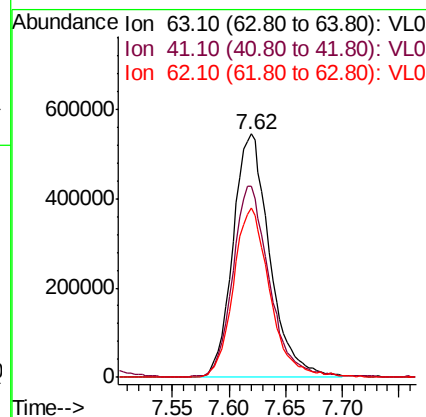
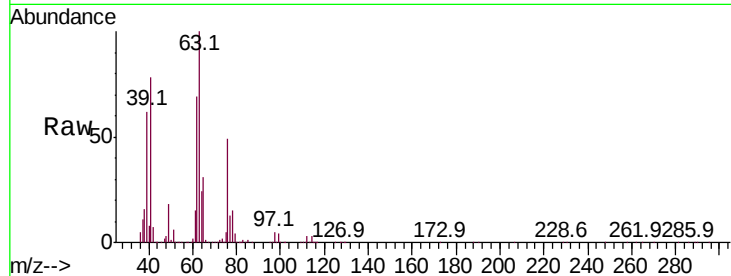
#39
 1,2-Dichloropropane
 Concen: 9.546 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.7	62.4	93.6
62	69.4	52.8	79.2

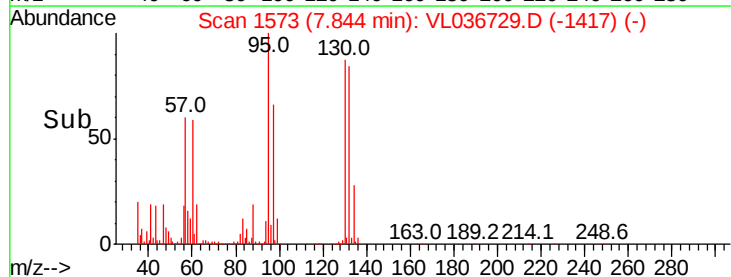
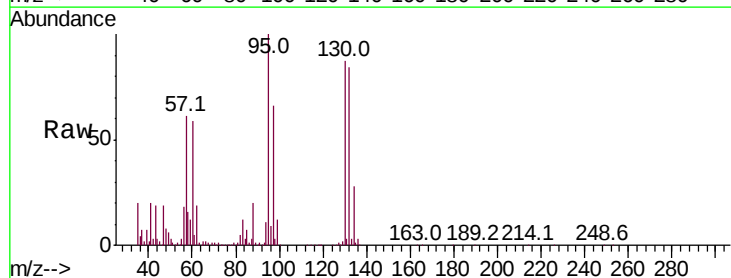
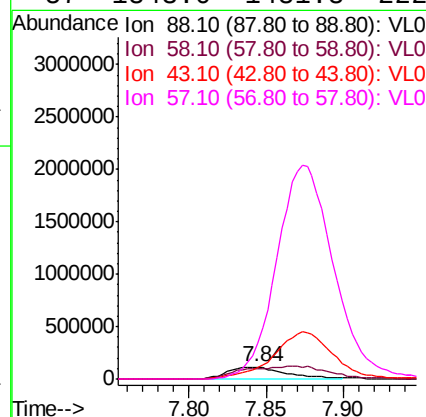
Manual Integrations
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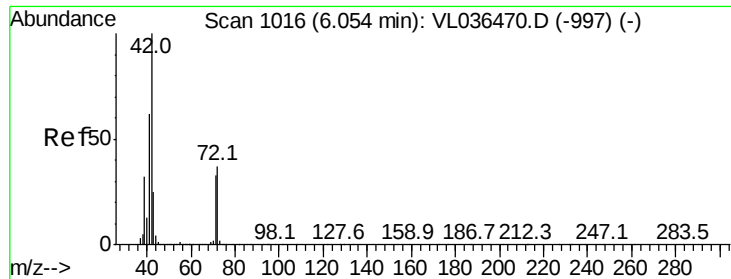
MMDadoda
 4/12/2021 11:15:46 AM



#40
 1,4-Dioxane
 Concen: 9.600 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	168.4	134.1	201.1
43	415.9	346.6	520.0
57	1843.0	1481.8	2222.8





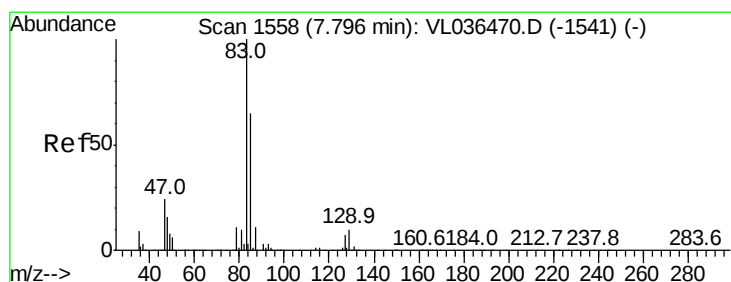
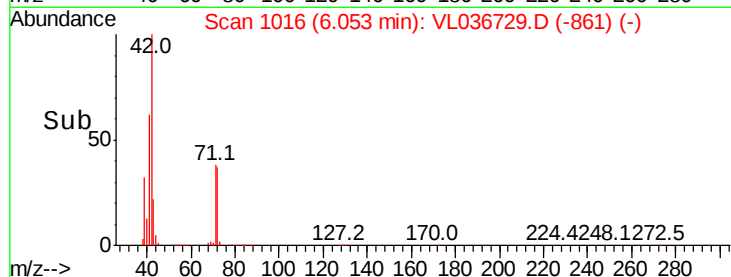
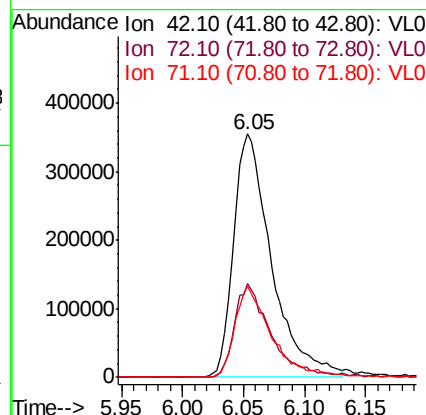
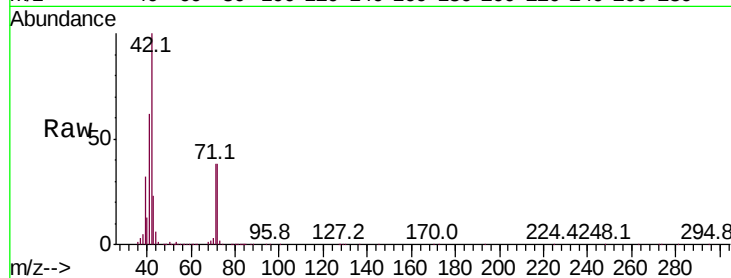
#41
Tetrahydrofuran
Concen: 9.954 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	27.6	41.4
71	36.4	27.0	40.4

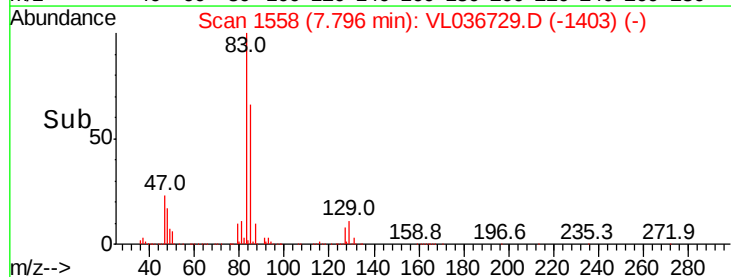
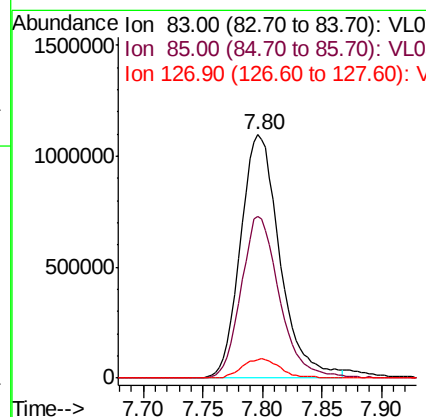
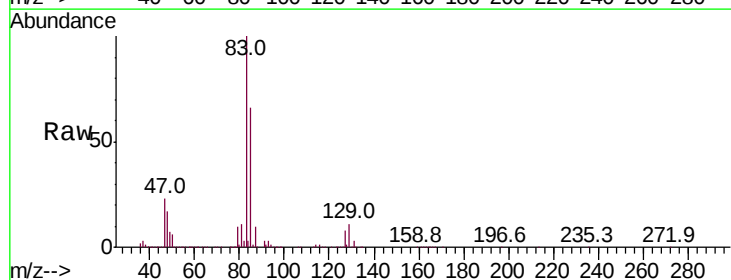
Manual Integrations
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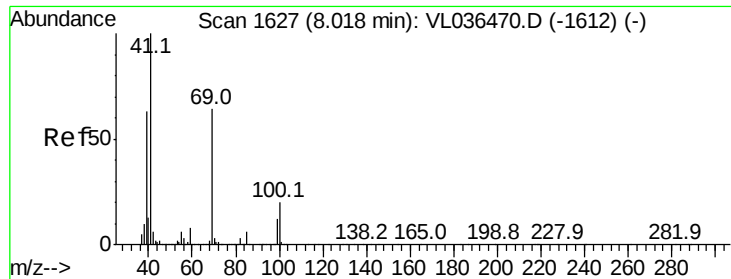
MMDadoda
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#42
Bromodichloromethane
Concen: 9.910 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6
127	7.8	5.8	8.8





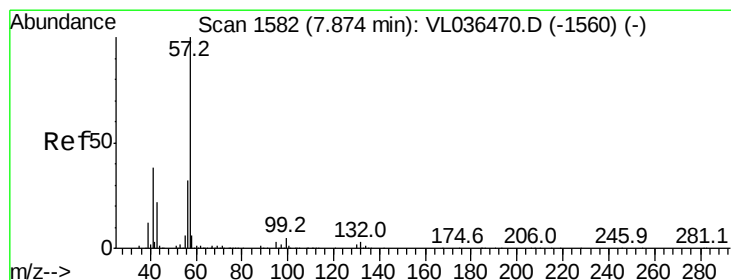
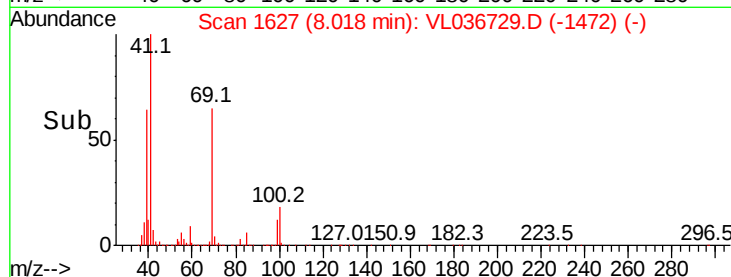
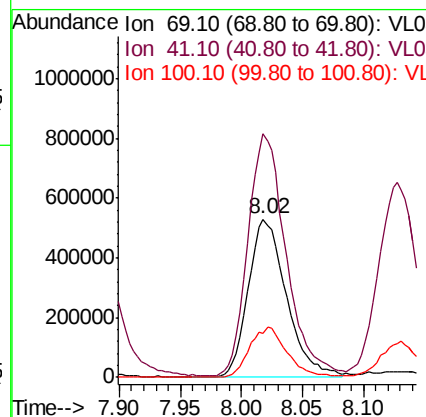
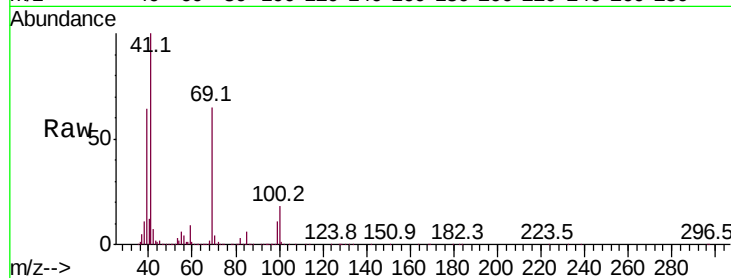
#43
Methvl Methacrylate
Concen: 10.752 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 69 Resp: 1145725
Ion Ratio Lower Upper
69 100
41 154.0 126.8 190.2
100 31.4 24.9 37.3

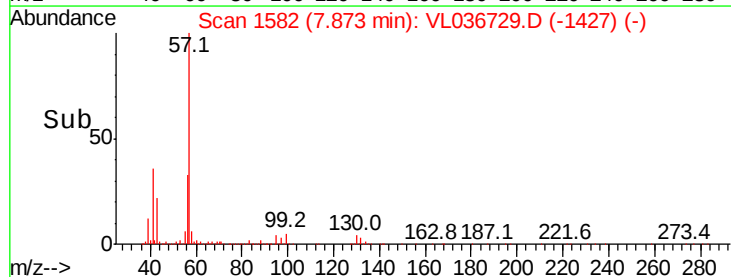
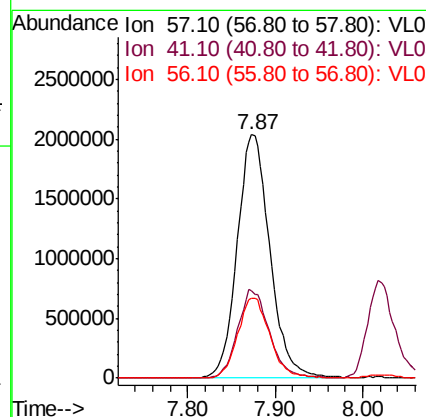
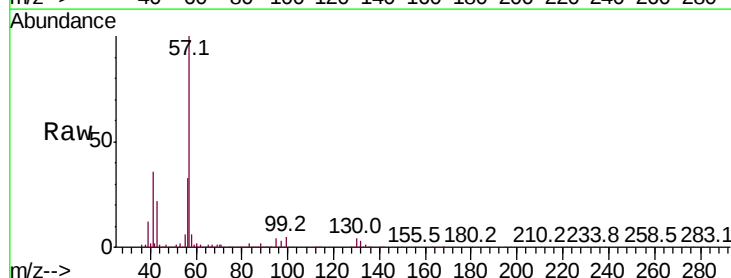
Manual Integrations
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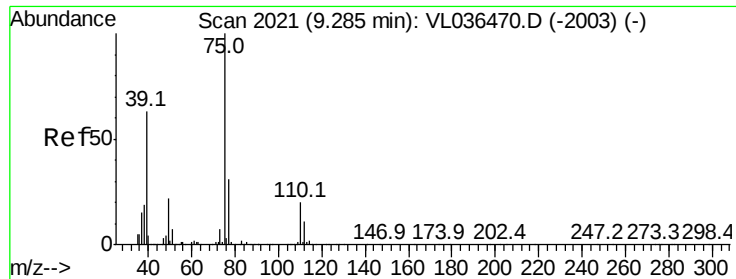
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.460 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 57 Resp: 5283568
Ion Ratio Lower Upper
57 100
41 35.1 28.8 43.2
56 32.5 26.1 39.1





#45

t-1,3-Dichloropropene

Concen: 10.756 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 75 Resp: 1308726

Ion Ratio Lower Upper

75 100

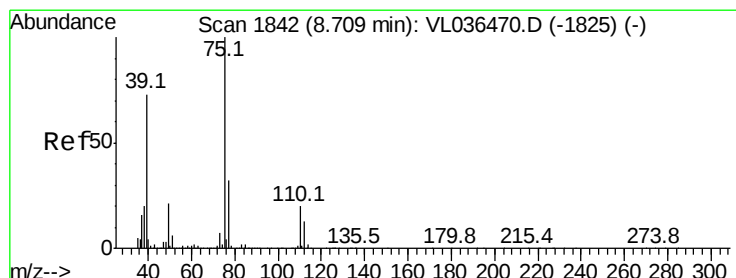
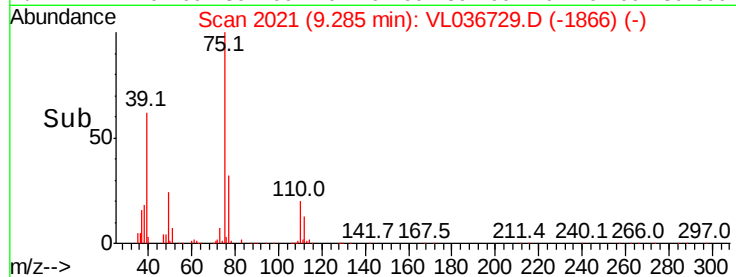
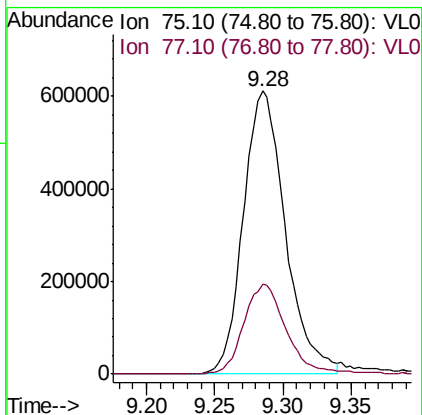
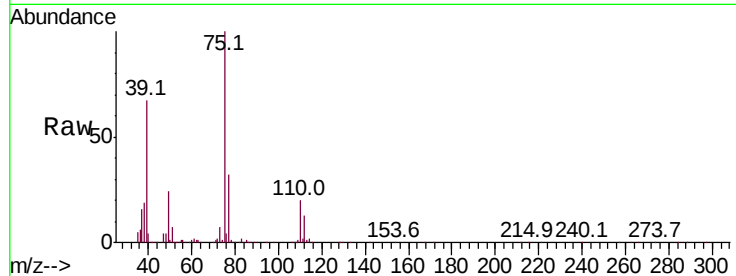
77 31.7 25.1 37.7

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#46

cis-1,3-Dichloropropene

Concen: 10.569 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

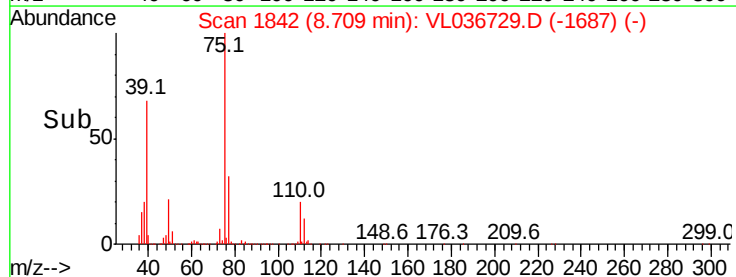
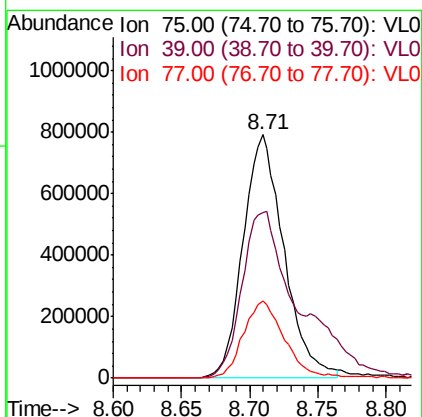
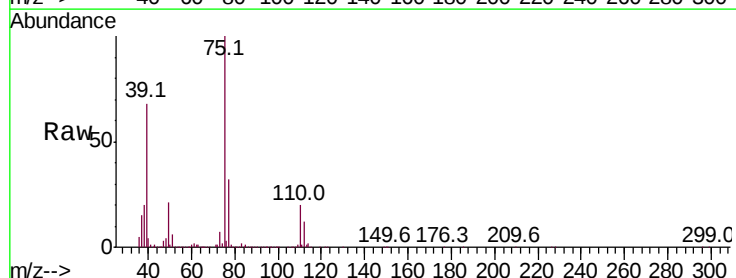
Tgt Ion: 75 Resp: 1643811

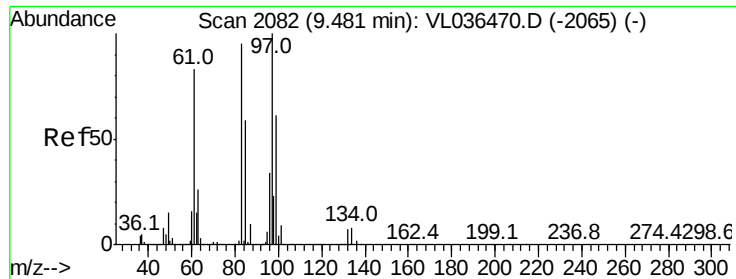
Ion Ratio Lower Upper

75 100

39 68.0 58.2 87.2

77 31.9 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.662 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 97 Resp: 1259802

Ion Ratio Lower Upper

97 100

83 87.6 75.8 113.8

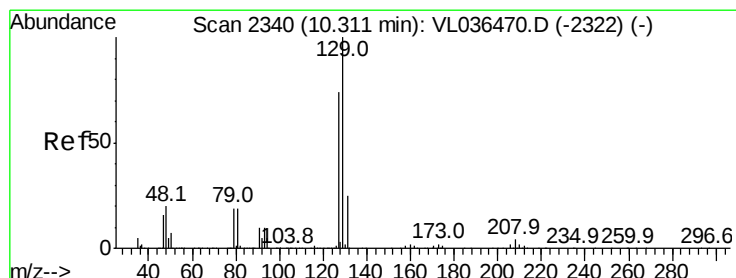
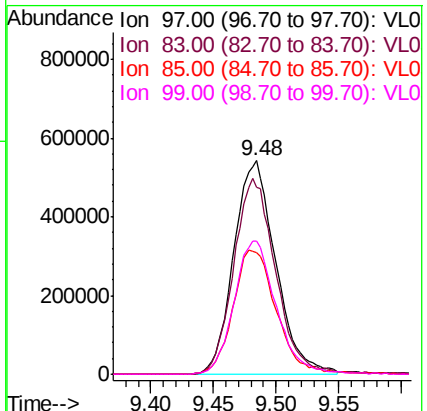
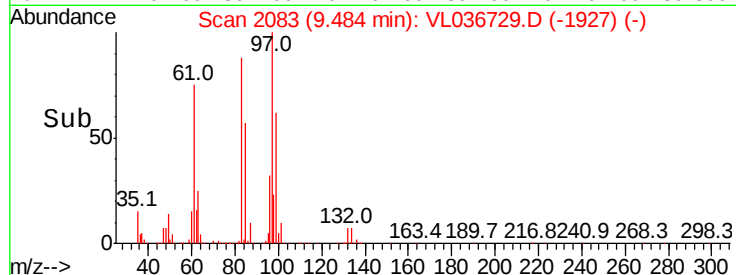
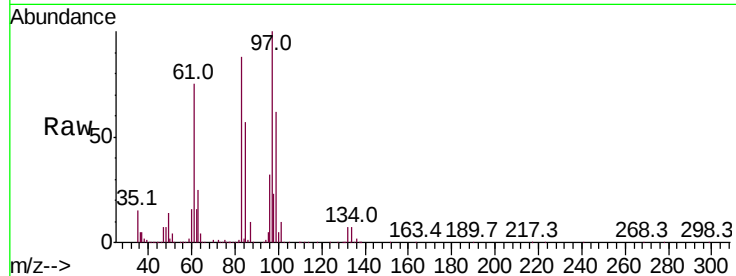
85 57.1 47.1 70.7

99 62.2 49.2 73.8

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#48

Dibromochloromethane

Concen: 10.487 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VL036729.D

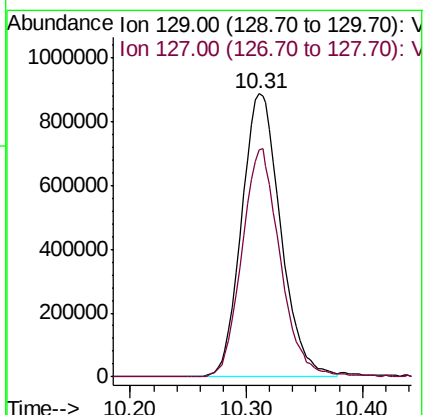
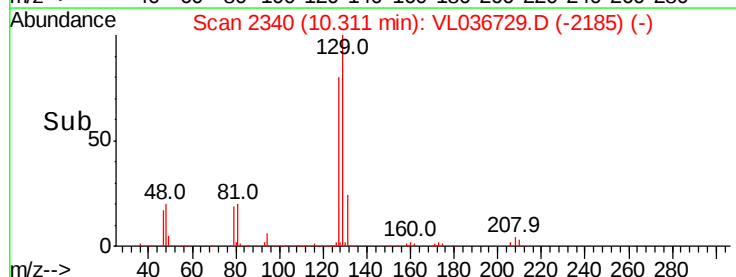
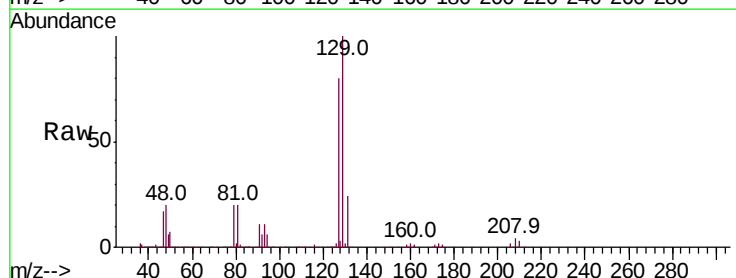
Acq: 7 Apr 2021 16:05

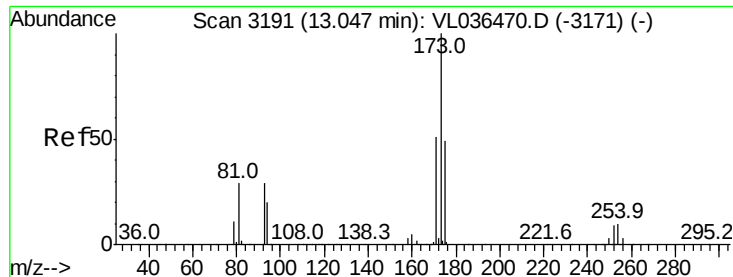
Tgt Ion: 129 Resp: 2084246

Ion Ratio Lower Upper

129 100

127 79.1 39.6 118.8





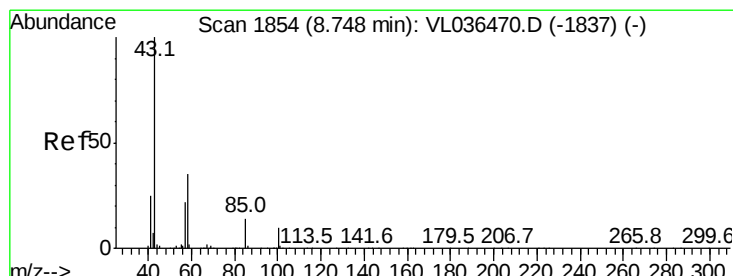
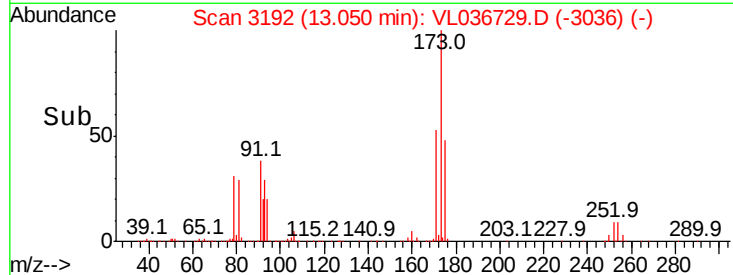
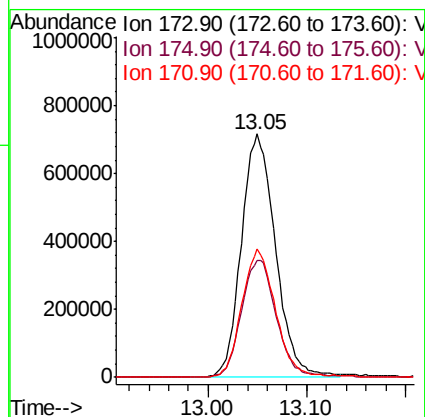
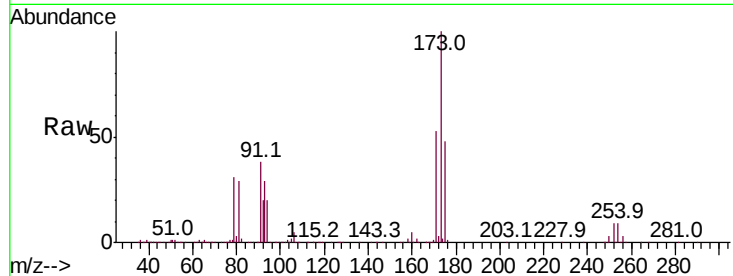
#49
Bromoform
Concen: 10.735 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion:173 Resp: 1719074
Ion Ratio Lower Upper
173 100
175 49.6 39.6 59.4
171 52.4 41.4 62.0

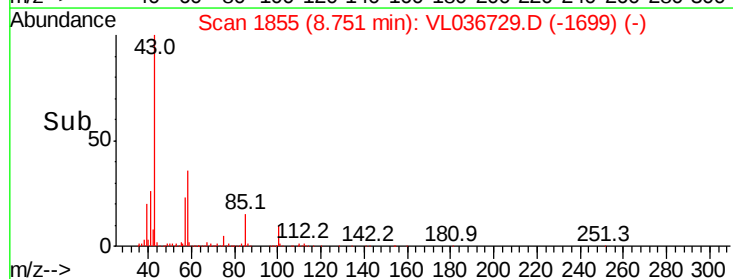
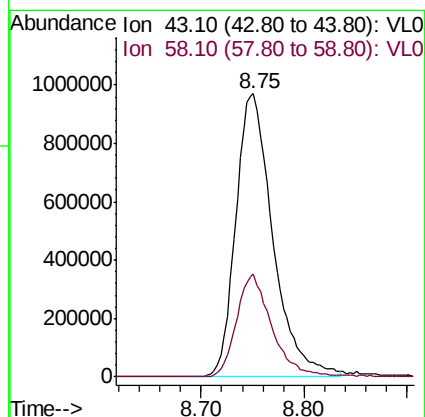
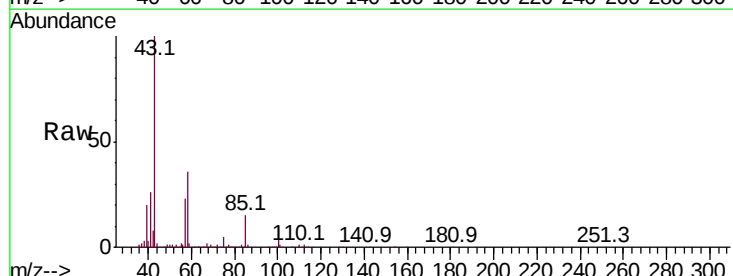
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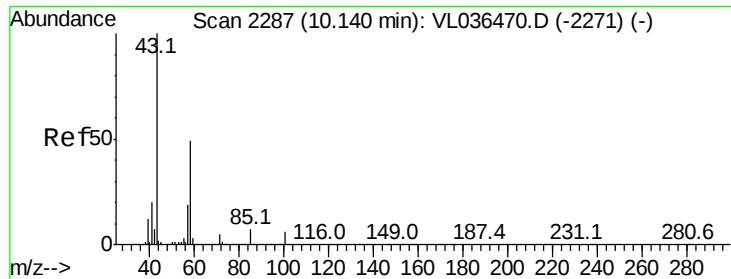
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.991 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 43 Resp: 2428081
Ion Ratio Lower Upper
43 100
58 34.9 28.2 42.2





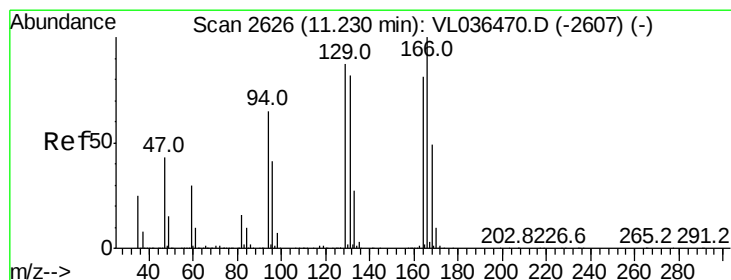
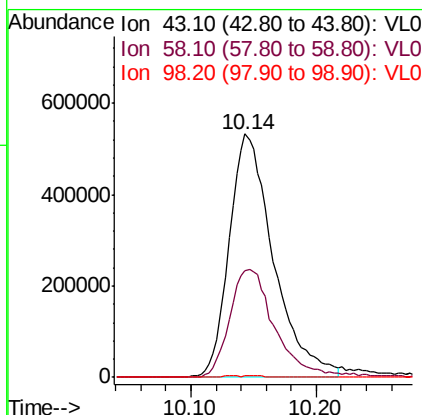
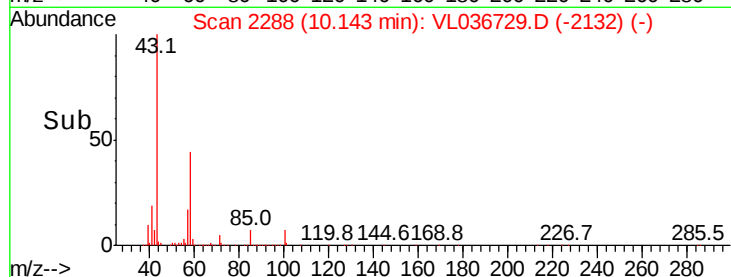
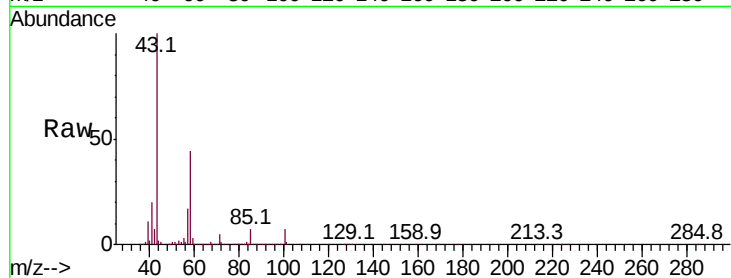
#51
2-Hexanone
Concen: 10.612 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.8	37.7	56.5
98	0.7	0.2	0.2#

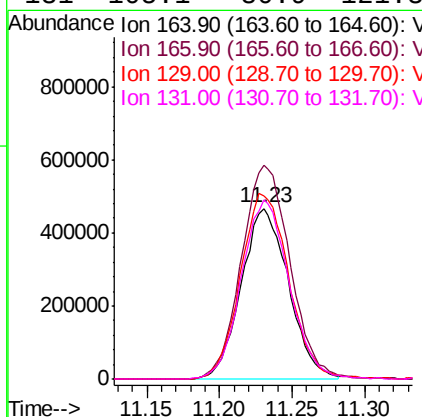
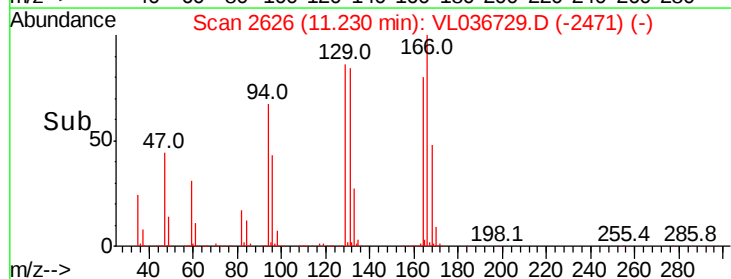
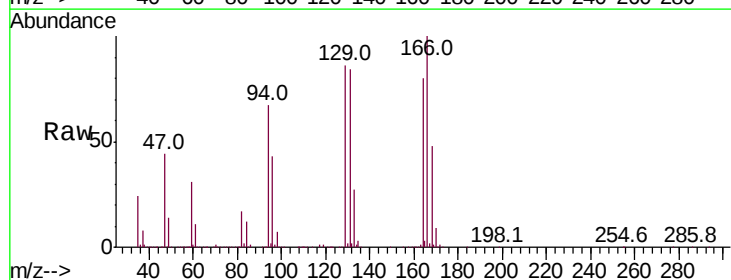
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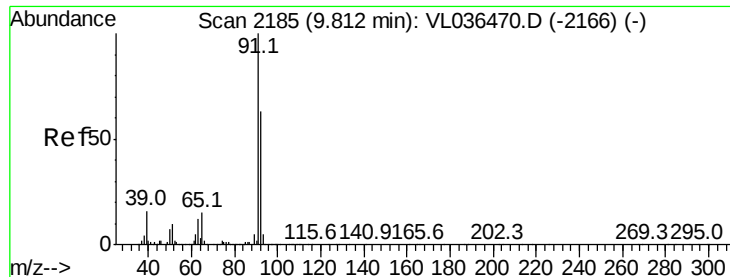
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#52
Tetrachloroethene
Concen: 9.015 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	98.3	147.5
129	107.0	85.8	128.8
131	105.1	80.9	121.3





#53

Toluene

Concen: 10.403 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 91 Resp: 3515517

Ion Ratio Lower Upper

91 100

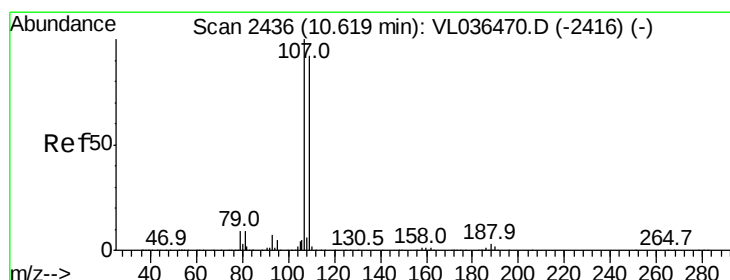
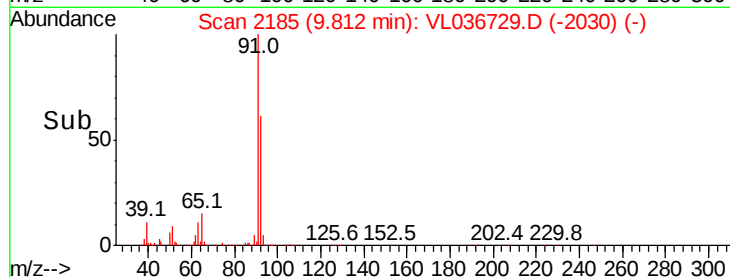
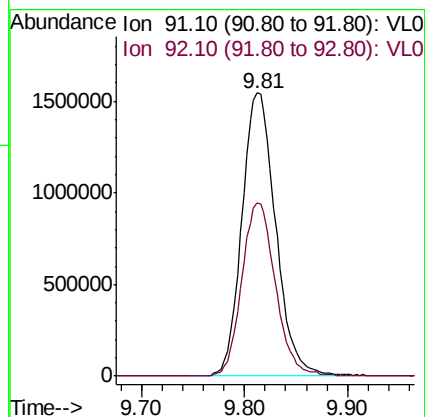
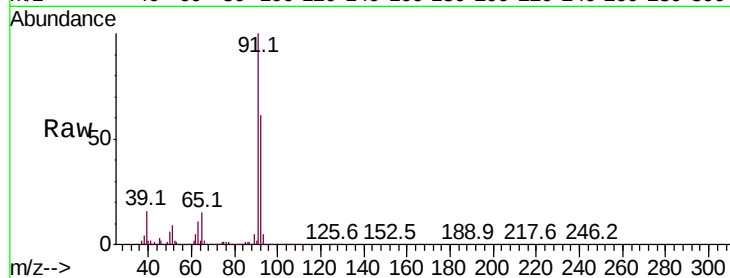
92 61.2 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 9.966 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL036729.D

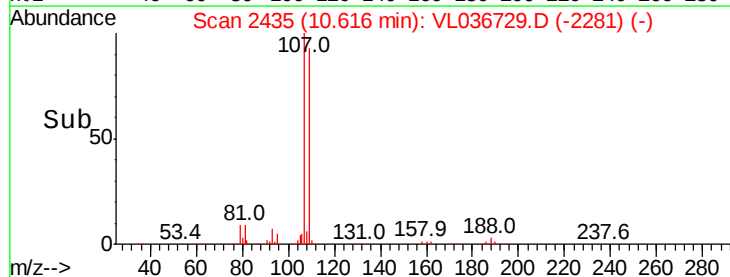
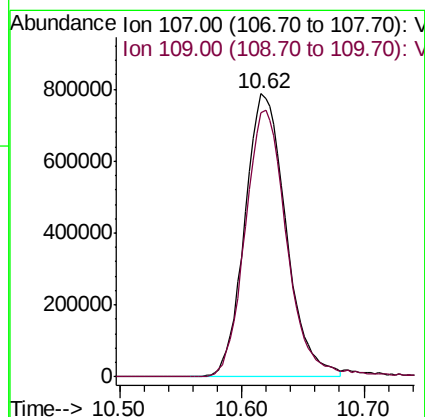
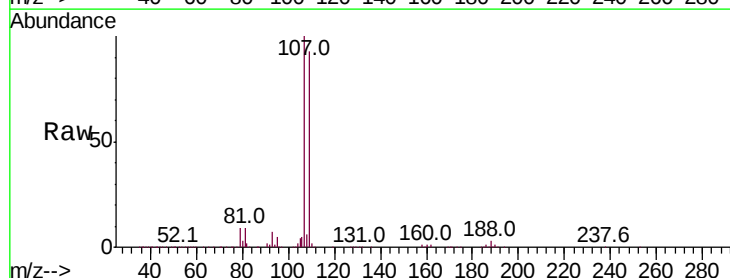
Acq: 7 Apr 2021 16:05

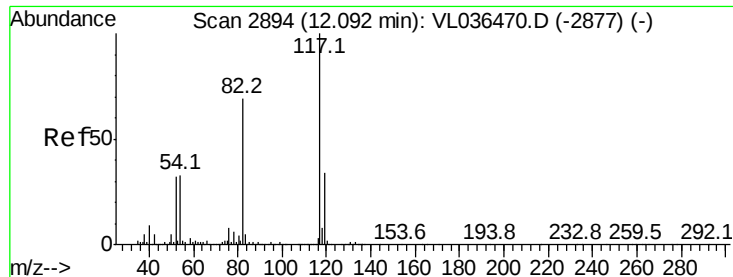
Tgt Ion: 107 Resp: 1835013

Ion Ratio Lower Upper

107 100

109 93.5 73.9 110.9





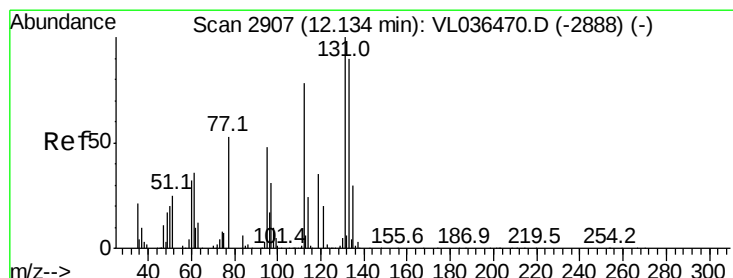
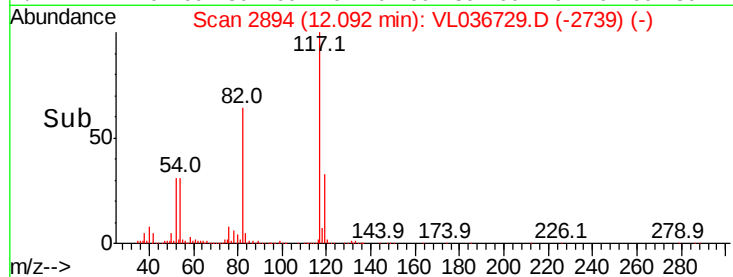
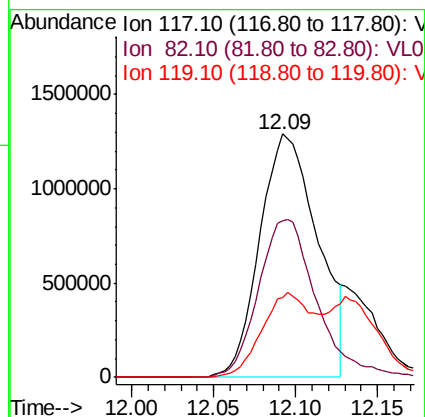
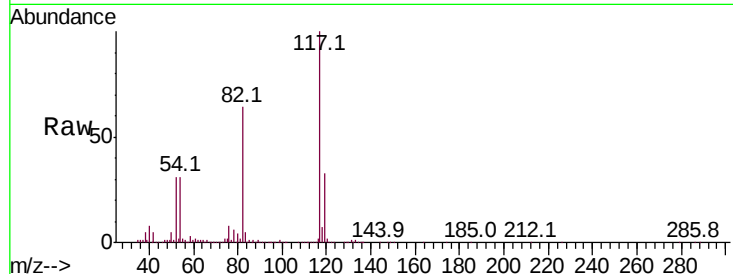
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.0	57.4	86.0
119	28.2	47.4	71.0#

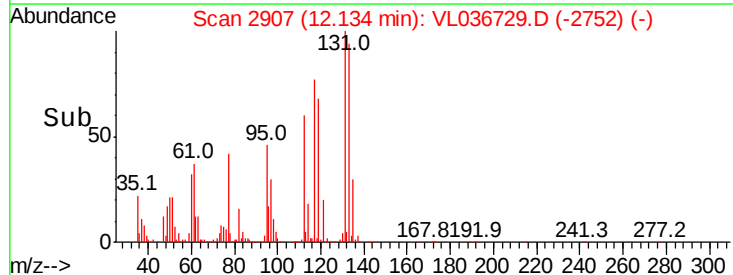
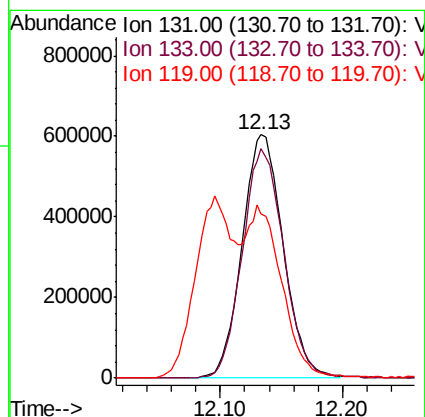
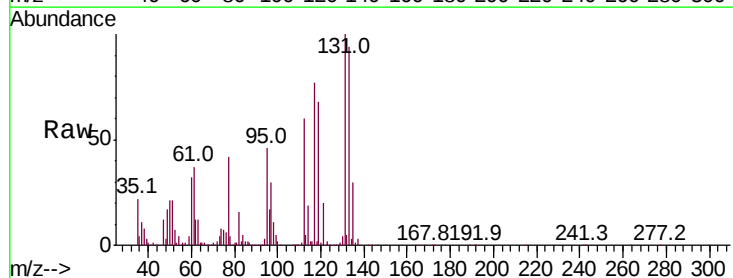
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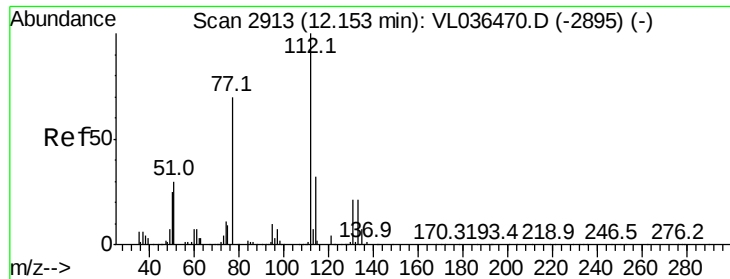
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.763 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	75.8	113.6
119	65.2	48.7	73.1





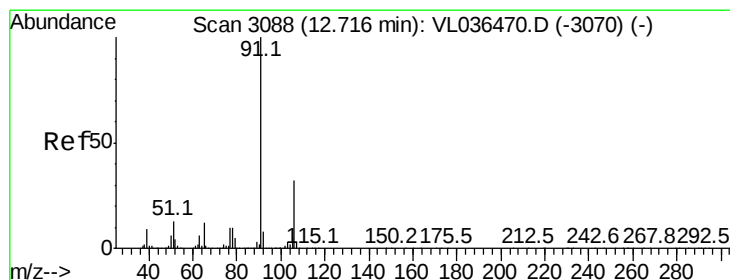
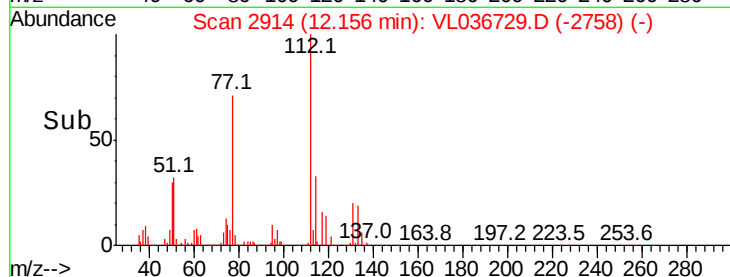
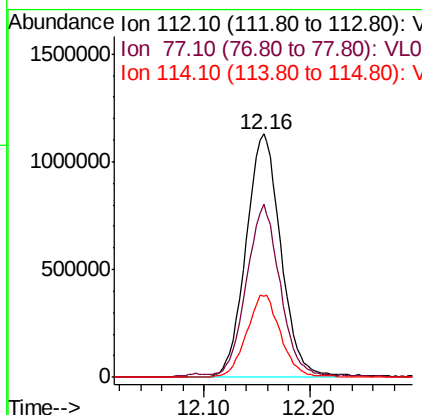
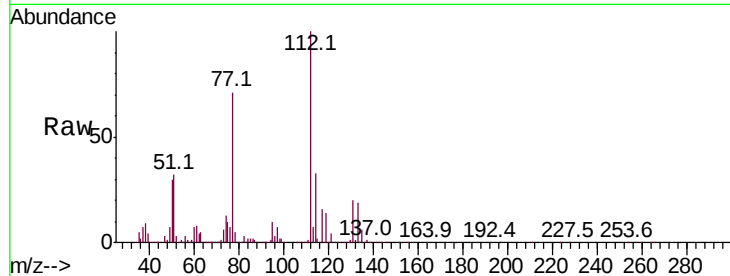
#57
Chlorobenzene
Concen: 9.594 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.2	56.0	84.0
114	33.2	29.0	35.4

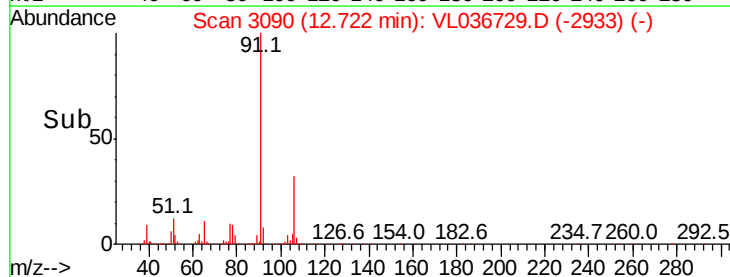
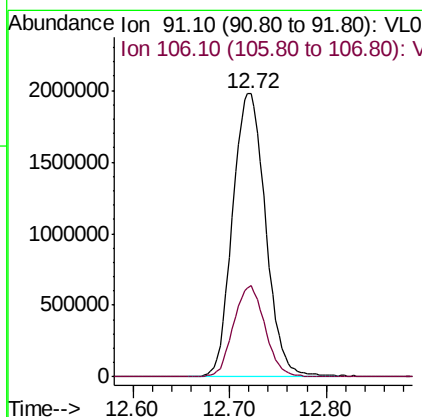
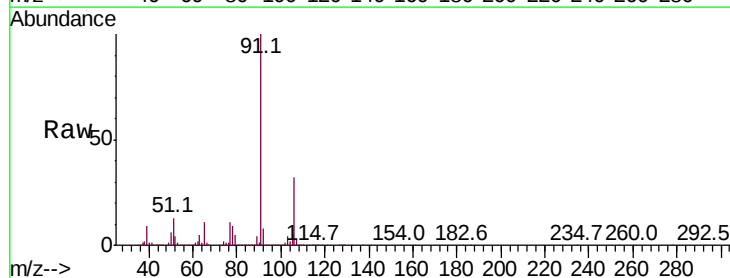
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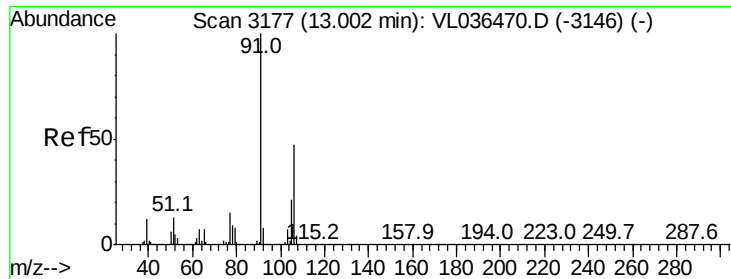
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#58
Ethyl Benzene
Concen: 10.137 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.01 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.3	37.9





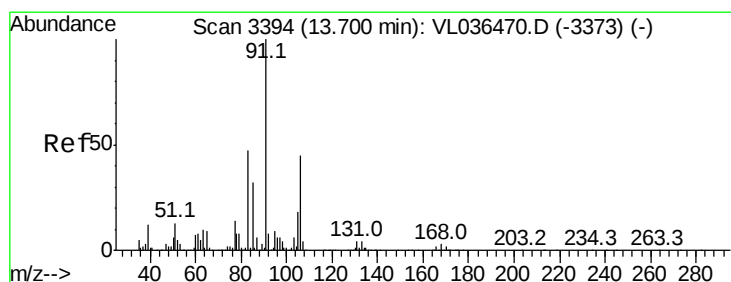
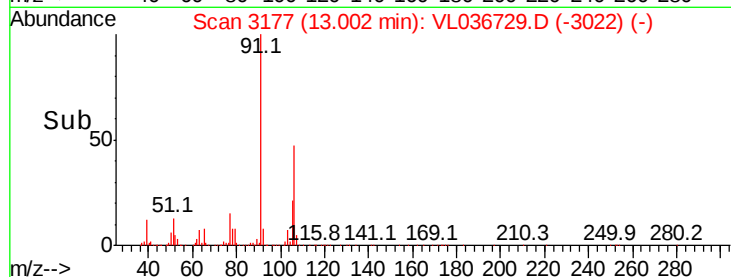
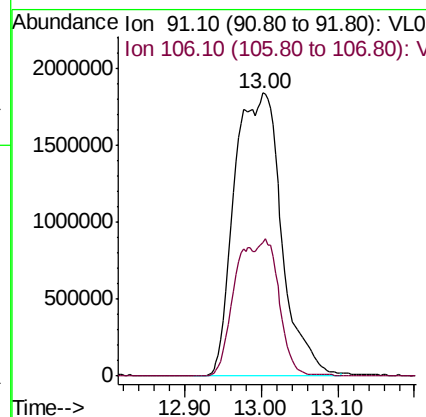
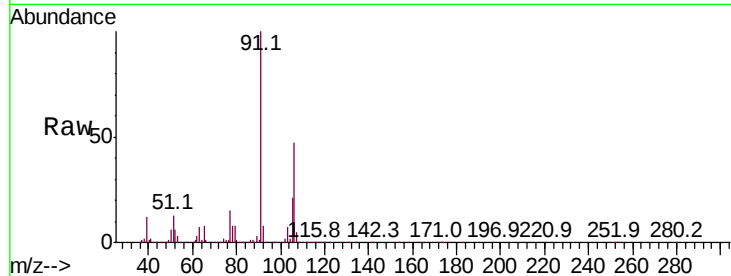
#59
m/p-Xylene
Concen: 19.521 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 91 Resp: 7883132
Ion Ratio Lower Upper
91 100
106 44.8 35.3 52.9

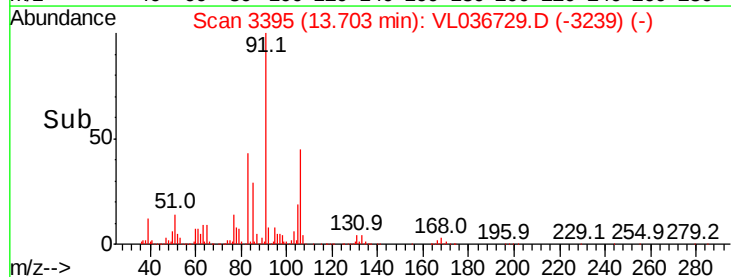
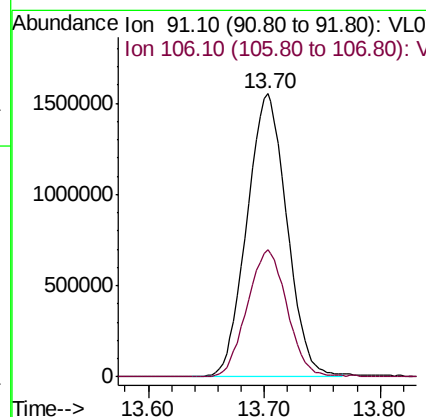
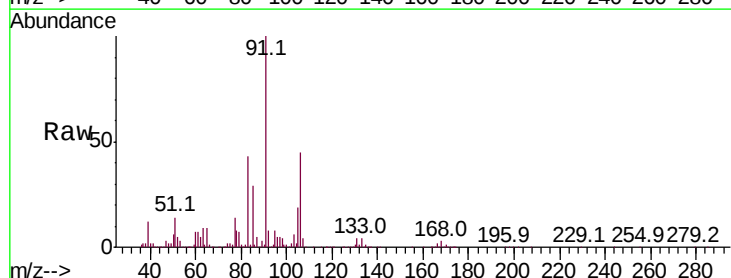
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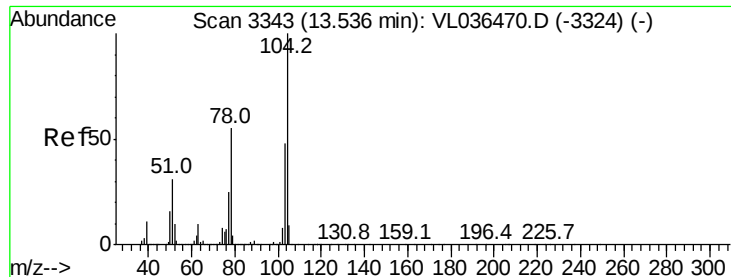
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#60
o-Xylene
Concen: 9.537 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 91 Resp: 3723938
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Stvrene

Concen: 11.163 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:104 Resp: 2192819

Ion Ratio Lower Upper

104 100

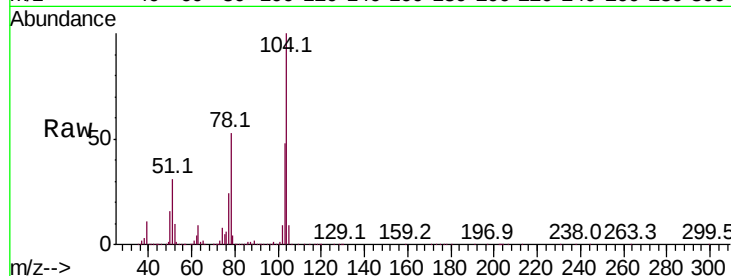
78 53.7 43.8 65.8

103 47.7 38.3 57.5

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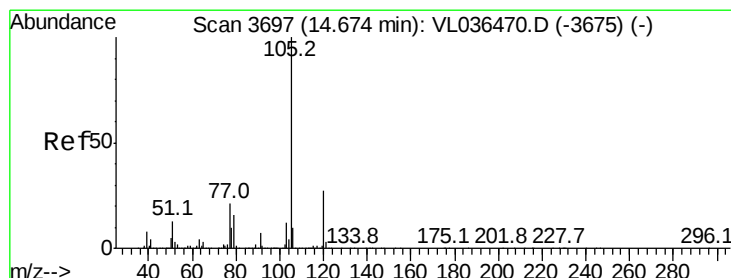
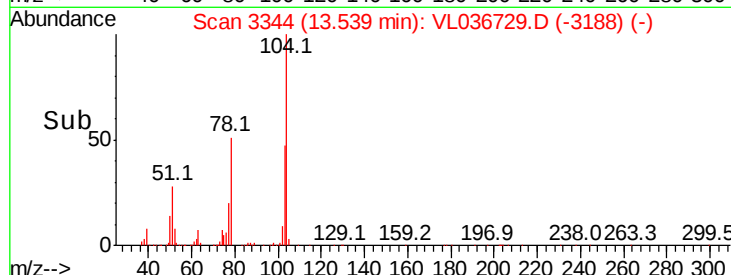
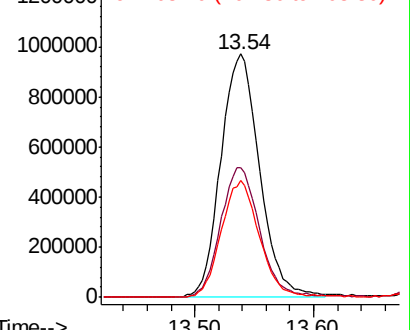
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.569 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VL036729.D

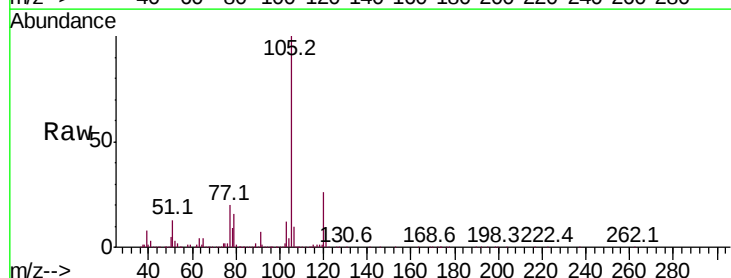
Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 5031592

Ion Ratio Lower Upper

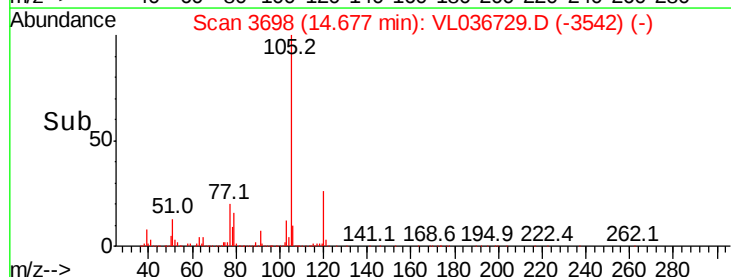
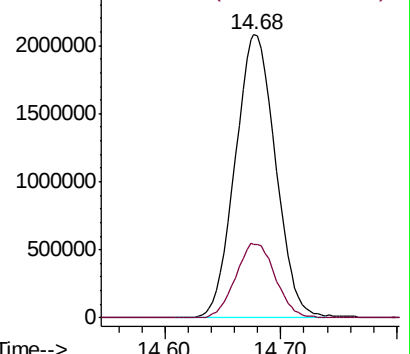
105 100

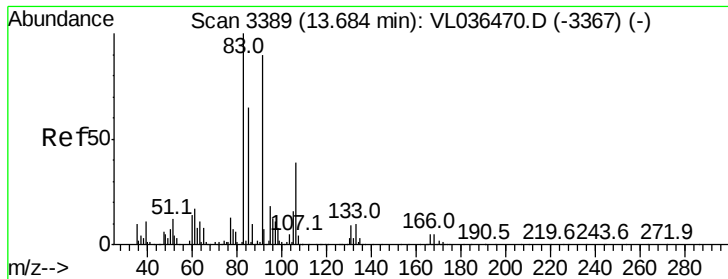
120 26.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.112 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 83 Resp: 2714147

Ion Ratio Lower Upper

83 100

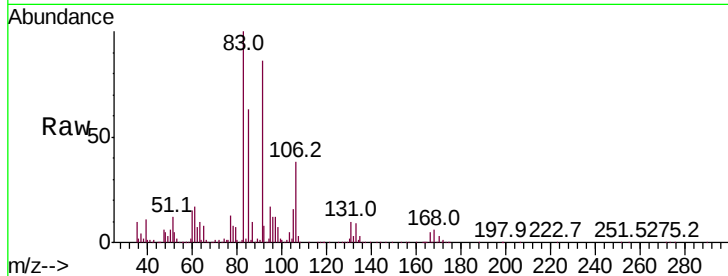
131 9.6 4.7 14.0

85 65.2 33.1 99.3

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

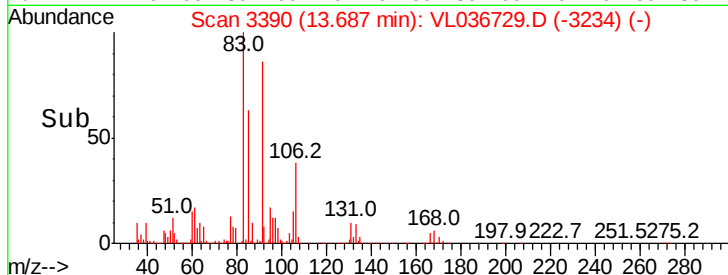
1500000

1000000

500000

0

Time-->



#64

n-propylbenzene

Concen: 10.361 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VL036729.D

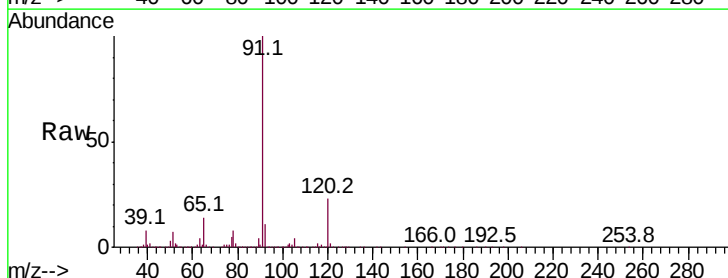
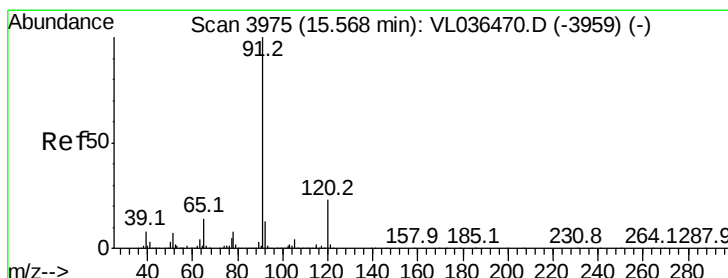
Acq: 7 Apr 2021 16:05

Tgt Ion:120 Resp: 1331981

Ion Ratio Lower Upper

120 100

91 470.5 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

2500000

2000000

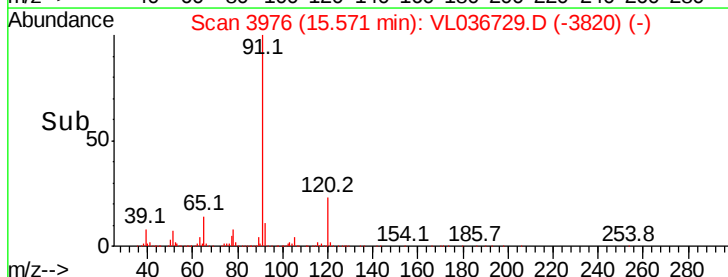
1500000

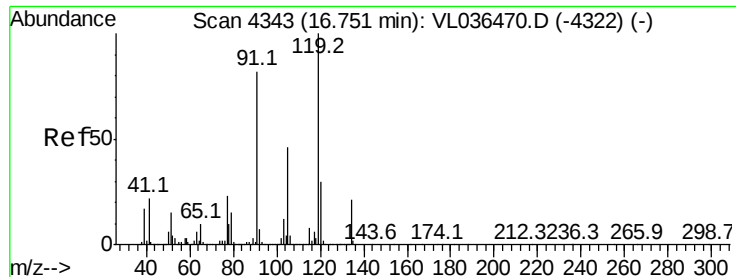
1000000

500000

0

Time-->





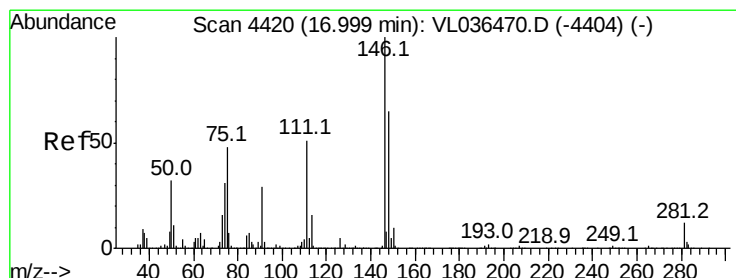
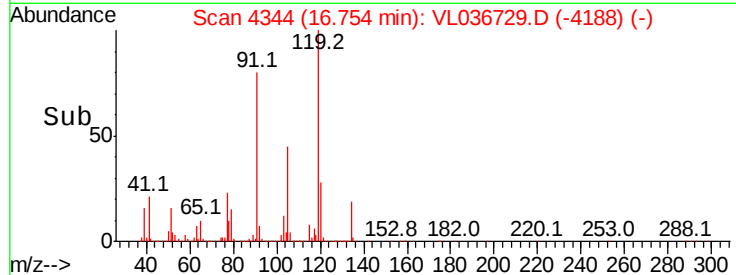
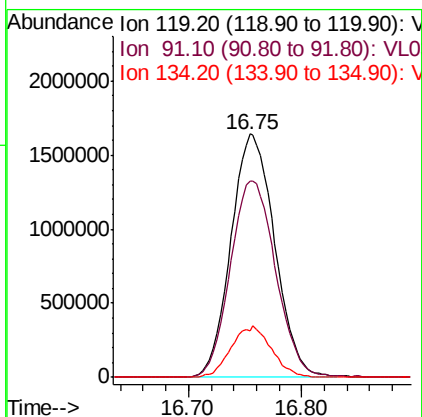
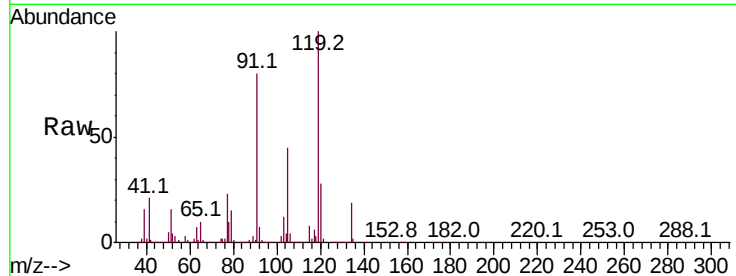
#65
tert-Butylbenzene
Concen: 9.647 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion: 119 Resp: 4398633
Ion Ratio Lower Upper
119 100
91 84.1 67.5 101.3
134 19.7 15.8 23.8

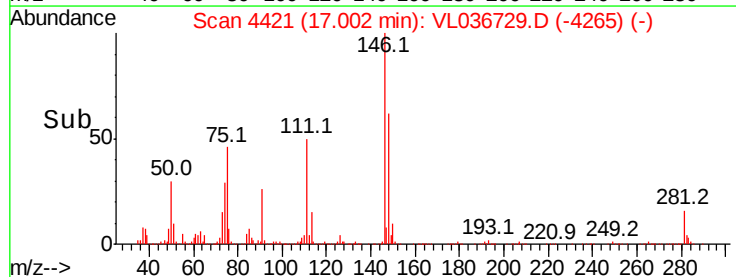
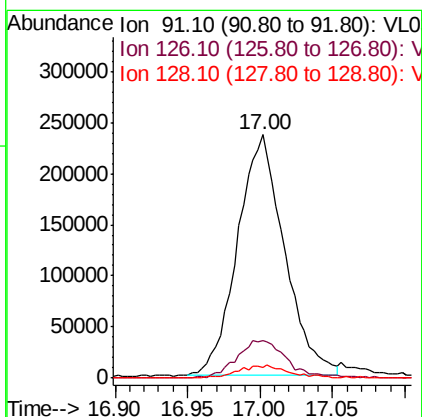
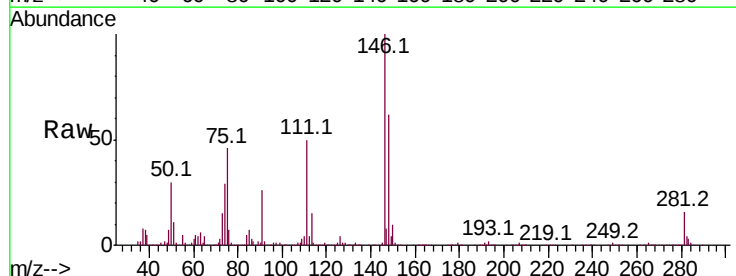
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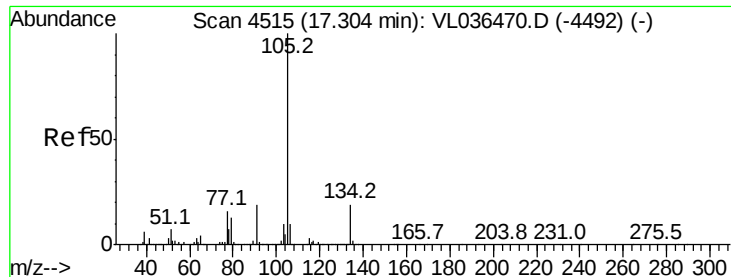
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#66
Benzyl Chloride
Concen: 10.560 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.00 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion: 91 Resp: 532188
Ion Ratio Lower Upper
91 100
126 17.2 13.5 20.3
128 5.8 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.669 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 105 Resp: 6223269

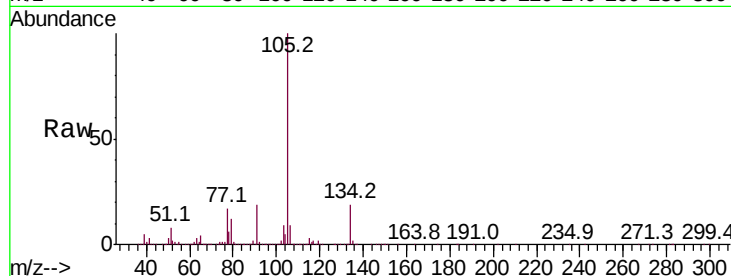
Ion Ratio Lower Upper

105 100

134 18.3 14.7 22.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

1000000

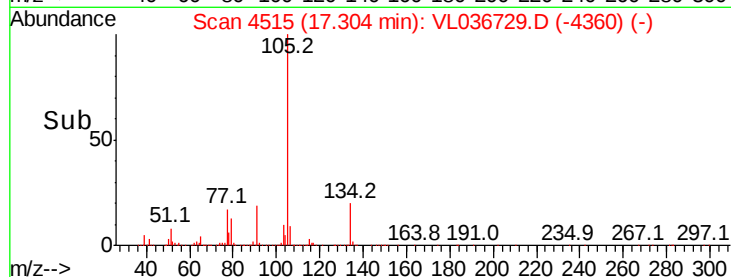
500000

0

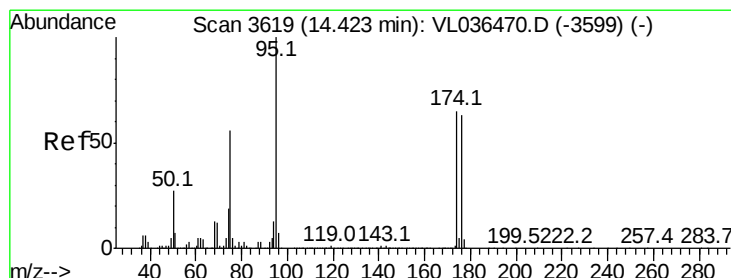
17.20

17.30

17.40



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.839 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

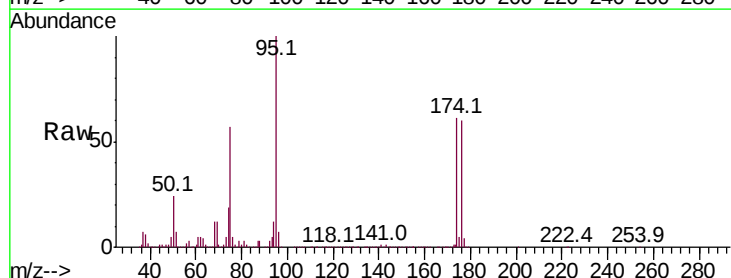
Tgt Ion: 95 Resp: 2495378

Ion Ratio Lower Upper

95 100

174 63.9 51.0 76.6

175 5.0 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

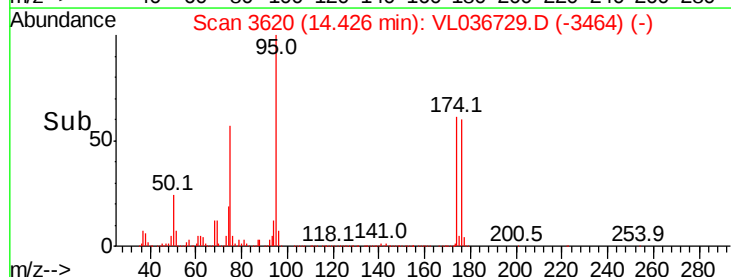
500000

0

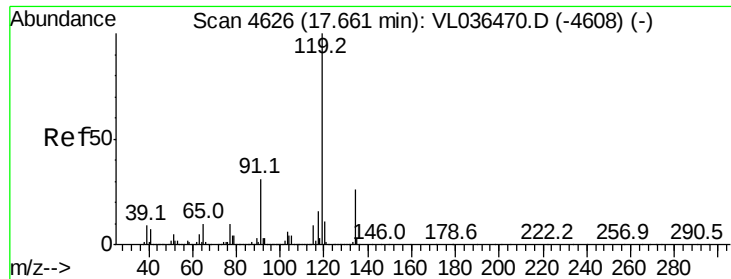
14.30

14.40

14.50



Time-->



#69

p-Isopropyltoluene

Concen: 10.207 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:119 Resp: 5129944

Ion Ratio Lower Upper

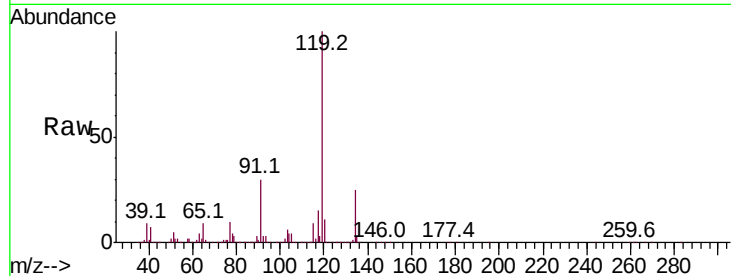
119 100

134 25.2 20.6 30.8

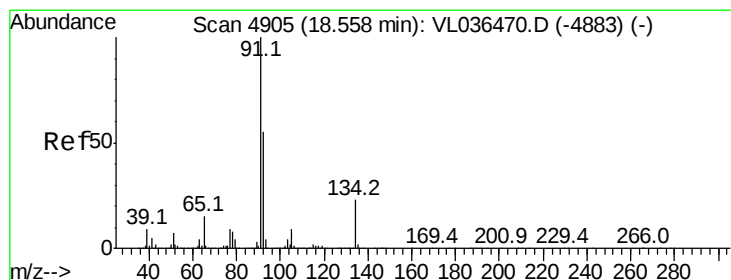
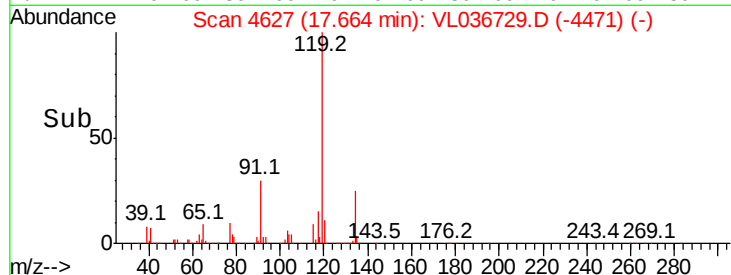
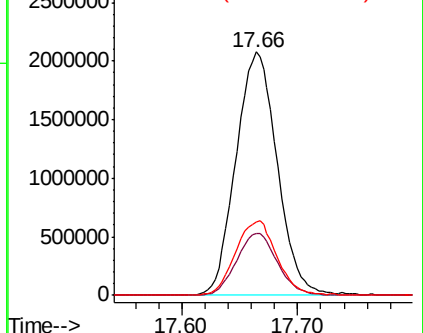
91 30.7 25.0 37.6

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Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.102 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

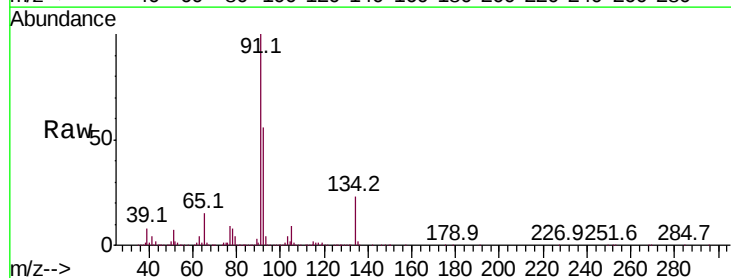
Tgt Ion: 91 Resp: 5264094

Ion Ratio Lower Upper

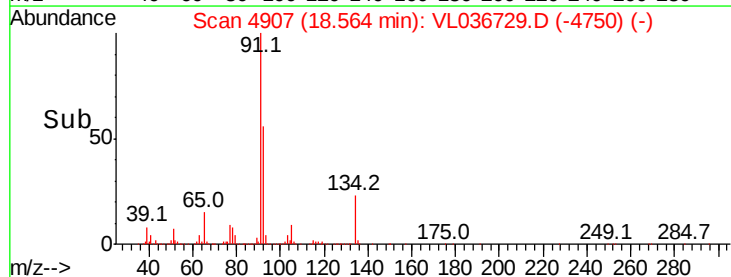
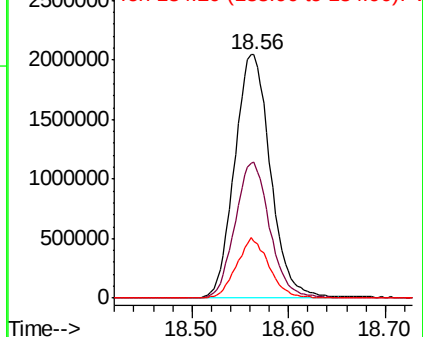
91 100

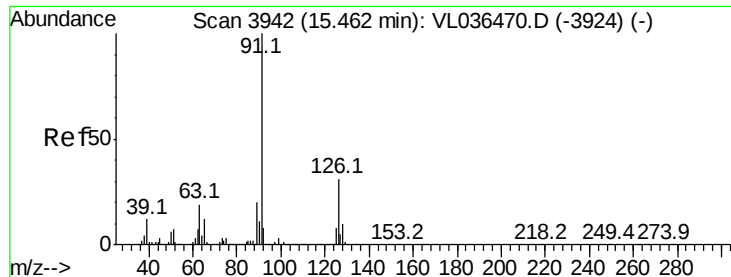
92 54.5 43.8 65.8

134 22.7 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.964 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion: 91 Resp: 3926034

Ion Ratio Lower Upper

91 100

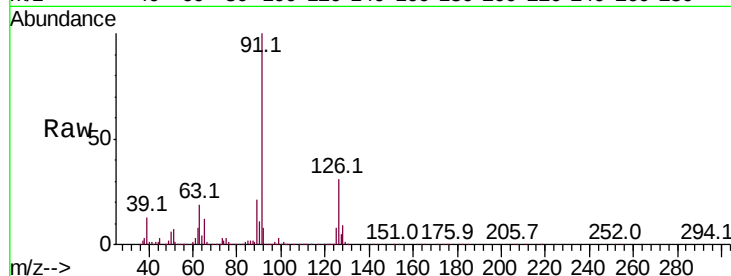
126 30.6 12.1 48.5

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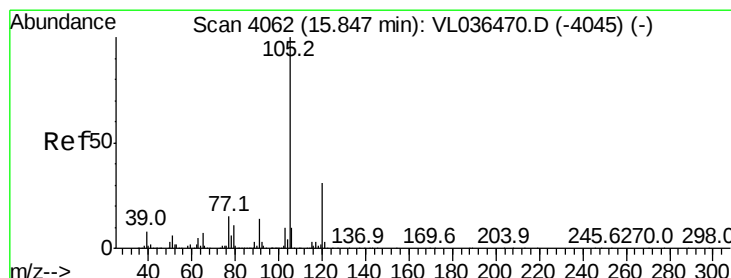
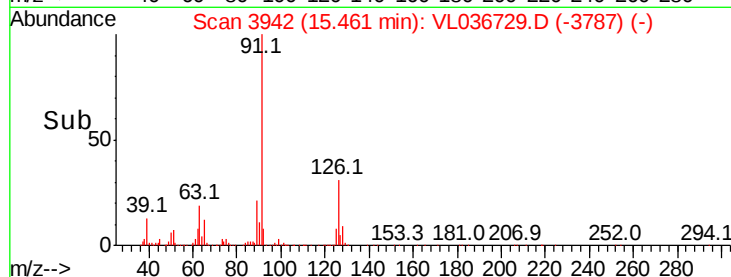
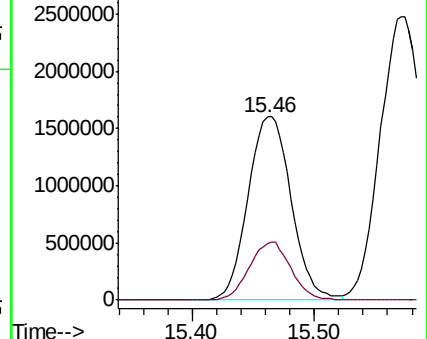
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.396 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 4448089

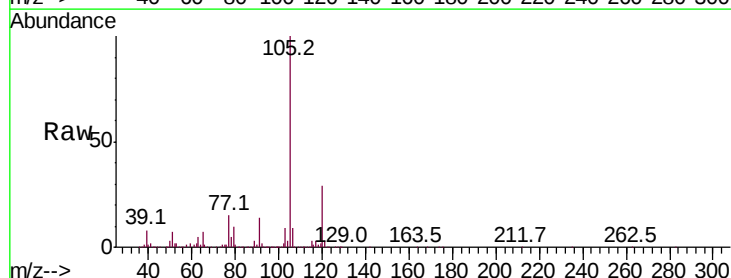
Ion Ratio Lower Upper

105 100

120 29.8 24.0 36.0

91 13.2 11.0 16.4

77 14.3 11.7 17.5

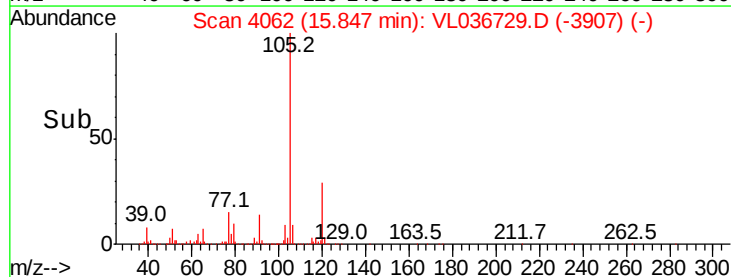
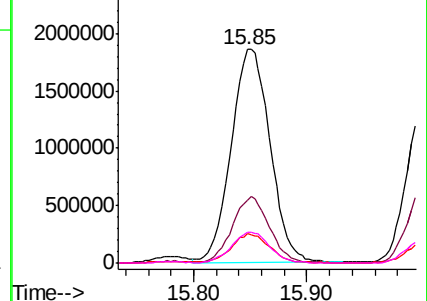


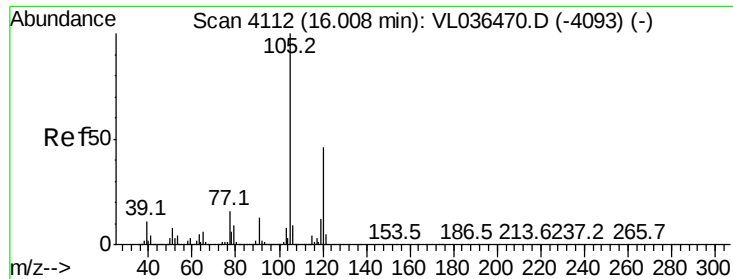
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 10.101 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:105 Resp: 4033582

Ion Ratio Lower Upper

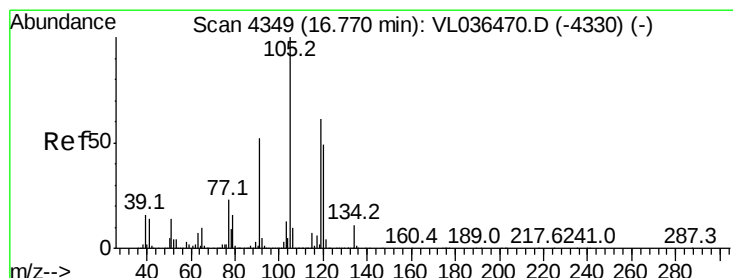
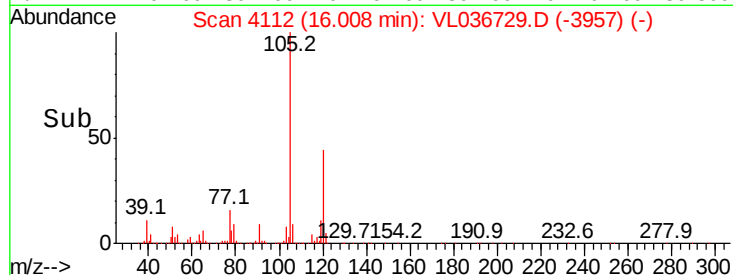
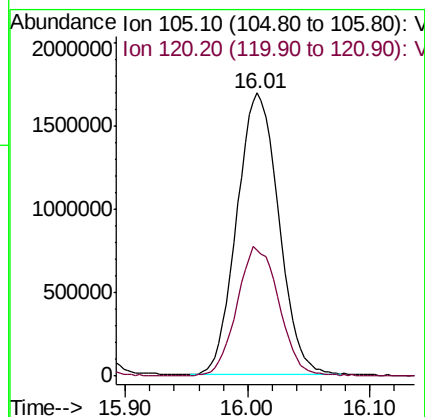
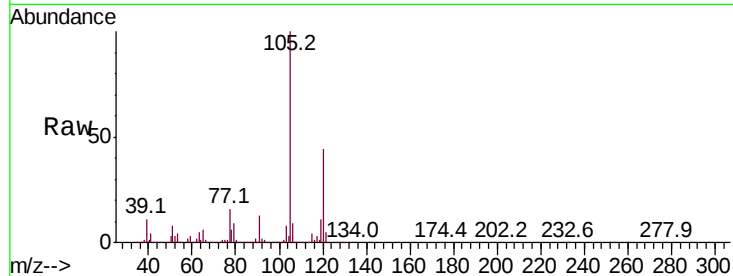
105 100

120 44.4 36.6 54.8

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#74

1,2,4-Trimethylbenzene

Concen: 9.650 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Tgt Ion:105 Resp: 4123671

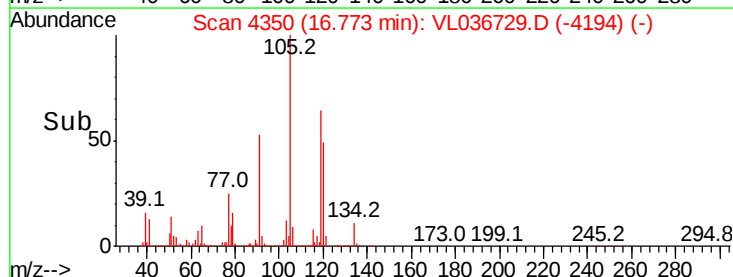
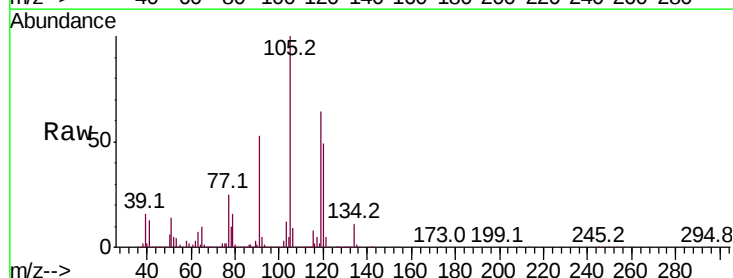
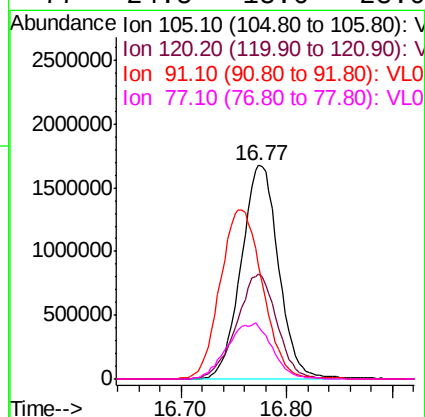
Ion Ratio Lower Upper

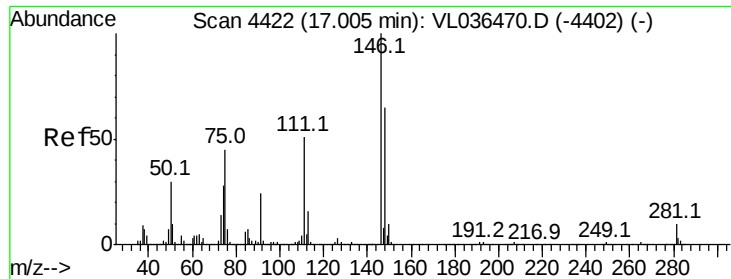
105 100

120 48.9 39.2 58.8

91 52.9 42.6 64.0

77 24.5 18.6 28.0





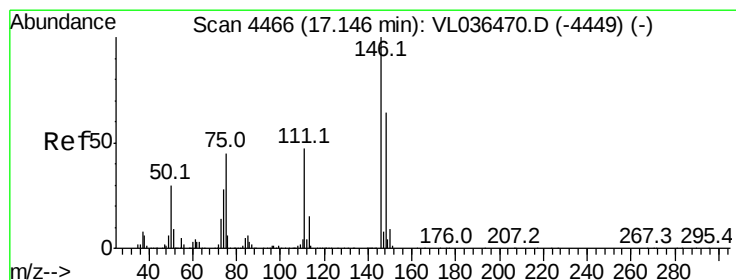
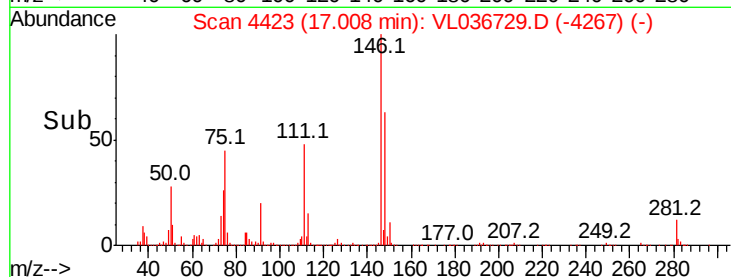
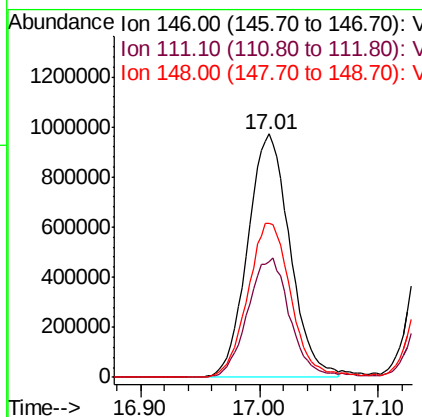
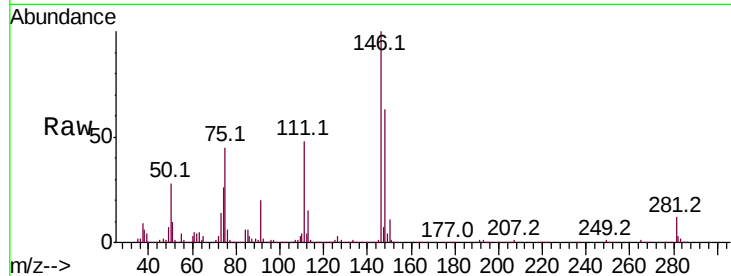
#75
 1,3-Dichlorobenzene
 Concen: 9.907 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.5	73.5
148	64.9	32.3	96.9

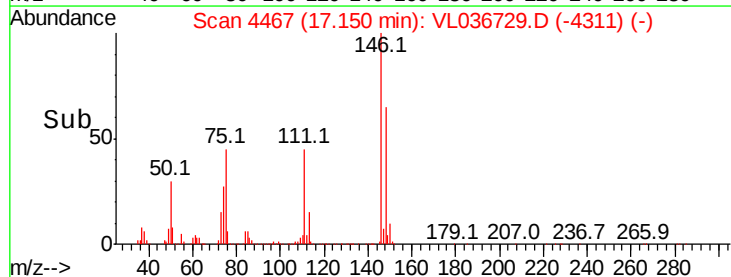
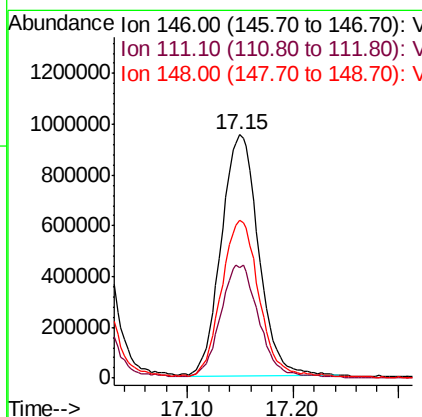
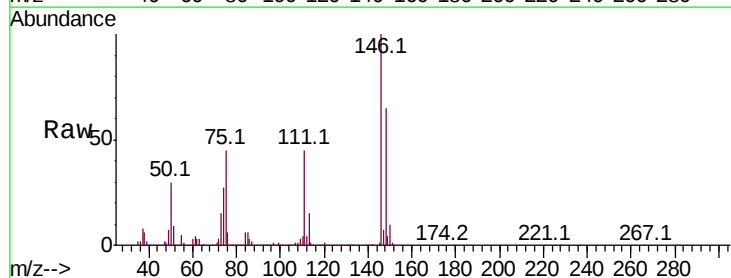
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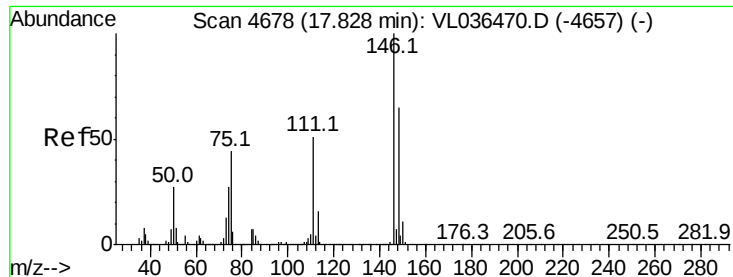
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#76
 1,4-Dichlorobenzene
 Concen: 9.788 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.3	72.8
148	66.3	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 10.166 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.00 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

Tot Ion:146 Resp: 2298660

Ion Ratio Lower Upper

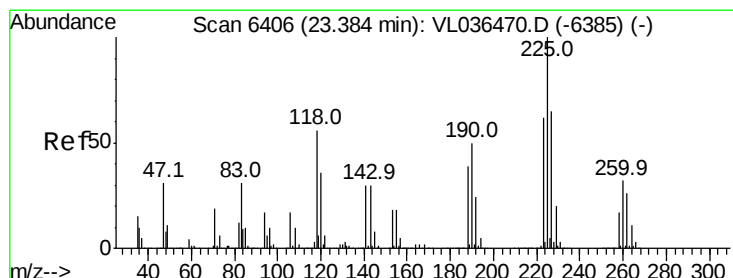
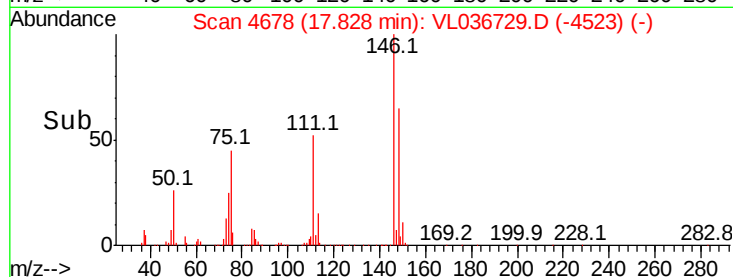
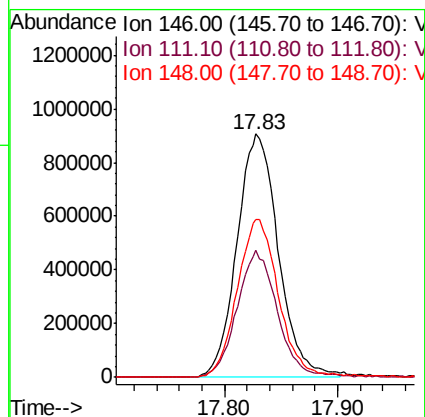
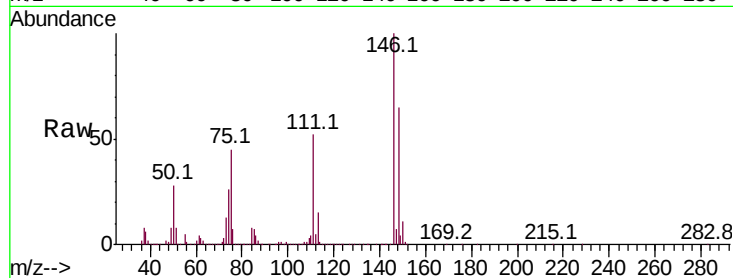
146 100

111 51.0 25.5 76.5

148 65.2 32.9 98.6

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 8.597 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL036729.D

Acq: 7 Apr 2021 16:05

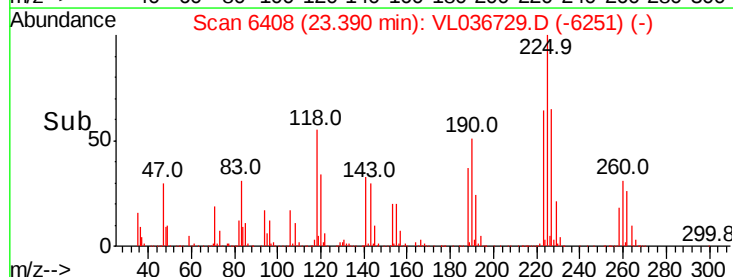
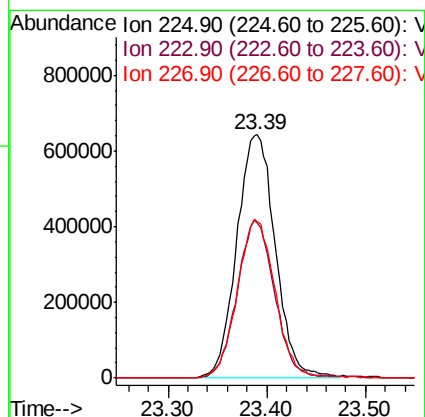
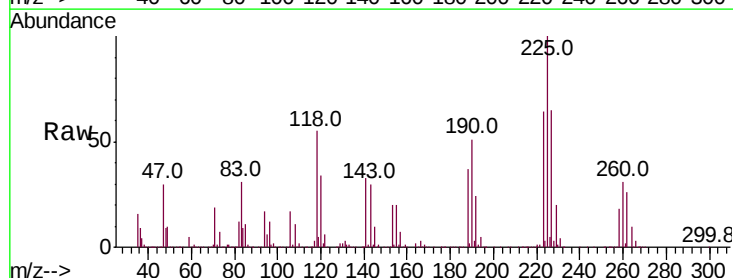
Tgt Ion:225 Resp: 1740742

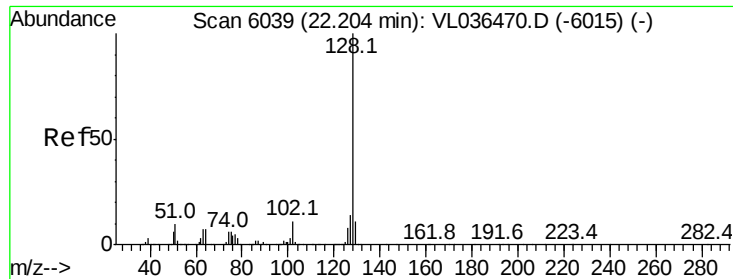
Ion Ratio Lower Upper

225 100

223 63.6 50.6 75.8

227 64.0 52.2 78.2





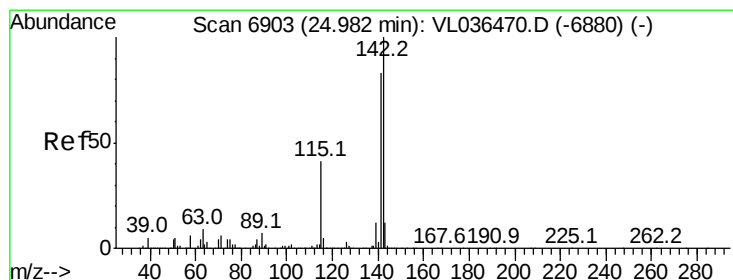
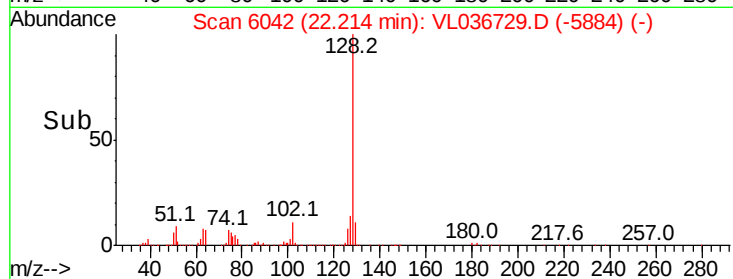
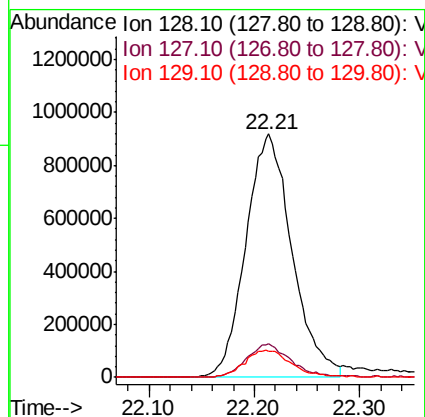
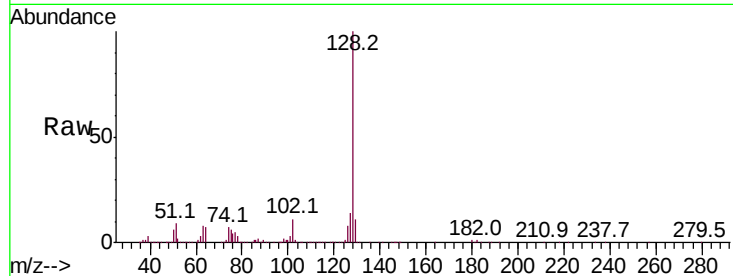
#79
Naphthalene
Concen: 11.230 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.01 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.9	16.3
129	10.9	9.0	13.4

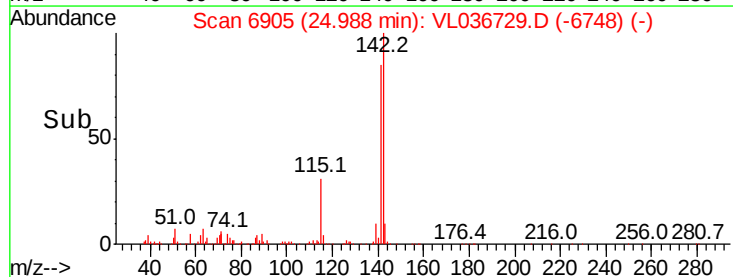
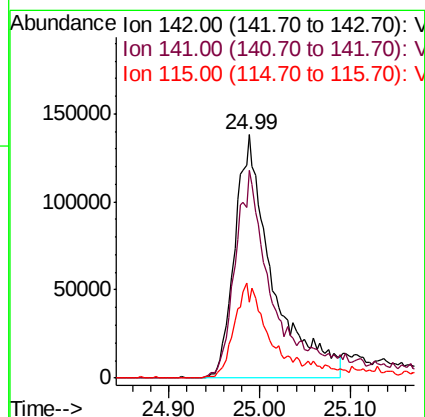
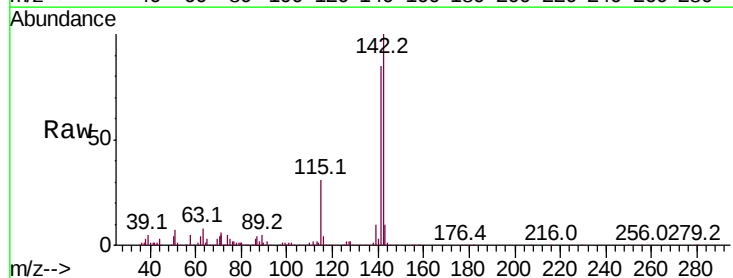
Manual Integrations
APPROVED

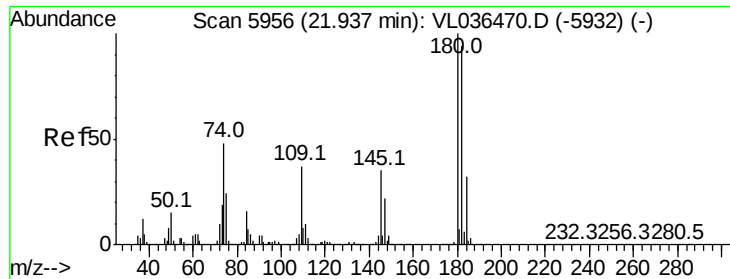
MMDadoda
4/12/2021 11:15:46 AM



#80
Naphthalene, 2-methyl-
Concen: 8.082 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL036729.D
Acq: 7 Apr 2021 16:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	67.8	101.8
115	44.0	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.619 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.00 min
 Lab File: VL036729.D
 Acq: 7 Apr 2021 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	80.8	121.2
184	32.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 11:15:46 AM

