

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037282.D
 Acq On : 27 Jul 2021 4:31
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:36 AM

Quant Time: Jul 27 07:03:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1293404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3832818	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3430177	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2656927	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	154035	0.675 ppbv	99
3) Chlorodifluoromethane	2.99	51	139787	0.551 ppbv	98
4) Chloromethane	3.14	50	43321	0.513 ppbv	97
5) Vinyl Chloride	3.26	62	46813m	0.509 ppbv	
6) Bromomethane	3.47	94	27165	0.500 ppbv	93
7) Chloroethane	3.56	64	18317m	0.546 ppbv	
8) Dichlorotetrafluoroethane	3.19	85	122467	0.525 ppbv	95
9) Propene	3.01	41	41910	0.519 ppbv	89
10) Heptane	8.12	43	90005	0.458 ppbv	91
11) Trichlorofluoromethane	3.95	101	126393	0.519 ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	95702	0.556 ppbv	98
13) Ethanol	3.63	45	10326m	0.844 ppbv	
14) Bromoethene	3.74	108	35568	0.498 ppbv #	91
15) Acetone	3.87	43	153047	1.021 ppbv #	75
16) 1,3-Butadiene	3.32	39	46242m	0.531 ppbv	
17) tert-Butyl alcohol	4.32	59	79686m	0.587 ppbv	
18) 1,1-Dichloroethene	4.29	96	38908	0.509 ppbv	93
19) Isopropyl Alcohol	3.99	45	47274m	0.543 ppbv	
20) Methylene Chloride	4.35	84	54135	0.609 ppbv	86
21) Allyl Chloride	4.41	41	58260m	0.520 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	33543	0.445 ppbv #	74
23) Vinyl Acetate	5.08	43	94290	0.448 ppbv #	97
24) 1,1-Dichloroethane	5.01	63	87090	0.510 ppbv	96
25) Ethyl Acetate	5.69	43	143970	0.452 ppbv #	97
26) Hexane	5.69	57	77864	0.485 ppbv #	91
27) Carbon Disulfide	4.56	76	60768	0.383 ppbv #	81
28) Methyl tert-Butyl Ether	5.05	73	93100	0.482 ppbv	93
29) Chloroform	5.75	83	126550	0.506 ppbv	96
30) Cyclohexane	7.14	84	66496m	0.497 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	66958	0.452 ppbv #	87
32) 1,1,1-Trichloroethane	6.51	97	122968	0.462 ppbv	97
34) 2-Butanone	5.26	43	84847	0.558 ppbv #	86
35) Carbon Tetrachloride	7.02	117	127036	0.488 ppbv	96
36) Benzene	6.89	78	143682	0.461 ppbv	96
37) 1,2-Dichloroethane	6.31	62	89767	0.489 ppbv	99
38) Trichloroethene	7.83	130	66617m	0.449 ppbv	
39) 1,2-Dichloropropane	7.61	63	51371	0.443 ppbv	95
40) 1,4-Dioxane	7.88	88	17007m	0.542 ppbv	
41) Tetrahydrofuran	6.08	42	29250m	0.418 ppbv	
42) Bromodichloromethane	7.79	83	115130	0.459 ppbv	94
43) Methyl Methacrylate	8.03	69	45763m	0.424 ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037282.D
 Acq On : 27 Jul 2021 4:31
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

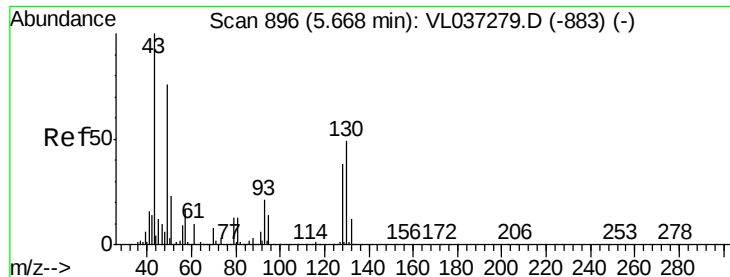
MMDadoda
 8/2/2021 9:03:36 AM

Quant Time: Jul 27 07:03:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.88	57	256435m	0.487	ppbv	
45) t-1,3-Dichloropropene	9.28	75	27781m	0.299	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	45910m	0.359	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	61283	0.462	ppbv	95
48) Dibromochloromethane	10.31	129	79353	0.376	ppbv	93
49) Bromoform	13.04	173	55946	0.352	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	91247m	0.436	ppbv	
51) 2-Hexanone	10.17	43	41144m	0.402	ppbv	
52) Tetrachloroethene	11.22	164	63174	0.437	ppbv	89
53) Toluene	9.81	91	159548	0.427	ppbv	98
54) 1,2-Dibromoethane	10.61	107	89804	0.470	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.13	131	74329	0.488	ppbv #	1
57) Chlorobenzene	12.15	112	147523	0.525	ppbv	96
58) Ethyl Benzene	12.71	91	220444	0.463	ppbv	97
59) m/p-Xylene	13.00	91	399013m	0.985	ppbv	
60) o-Xylene	13.70	91	195814	0.506	ppbv	99
61) Styrene	13.53	104	74763	0.378	ppbv	96
62) Isopropylbenzene	14.67	105	276921	0.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	138101m	0.535	ppbv	
64) n-propylbenzene	15.57	120	61512	0.448	ppbv #	63
65) tert-Butylbenzene	16.75	119	245736	0.501	ppbv	92
66) Benzyl Chloride	17.01	91	10091m	0.483	ppbv	
67) sec-Butylbenzene	17.30	105	314850	0.482	ppbv	99
69) p-Isopropyltoluene	17.66	119	263039	0.477	ppbv	97
70) n-Butylbenzene	18.56	91	249576	0.489	ppbv	99
71) 2-Chlorotoluene	15.45	91	193859	0.502	ppbv	99
72) 4-Ethyltoluene	15.85	105	205716	0.467	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	187165	0.439	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	229604	0.523	ppbv #	89
75) 1,3-Dichlorobenzene	17.00	146	132437	0.497	ppbv	95
76) 1,4-Dichlorobenzene	17.15	146	133057m	0.501	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	127169	0.492	ppbv	94
78) Hexachloro-1,3-Butadiene	23.38	225	110261m	0.513	ppbv	
79) Naphthalene	22.21	128	129376m	0.376	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	28261m	0.342	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	86933m	0.431	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1293404

Ion Ratio Lower Upper

49 100

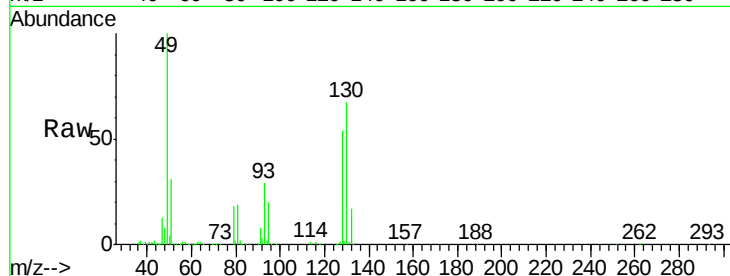
128 57.8 28.4 85.2

130 74.5 34.8 104.5

Manual Integrations
APPROVED

MMDadoda

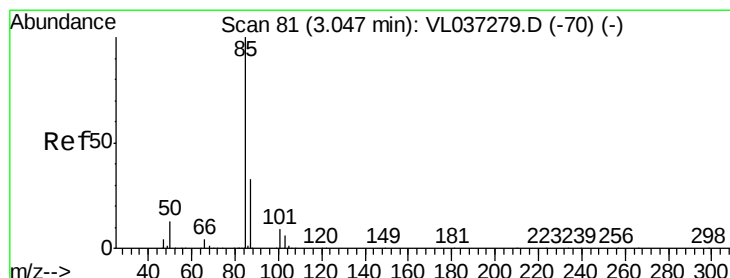
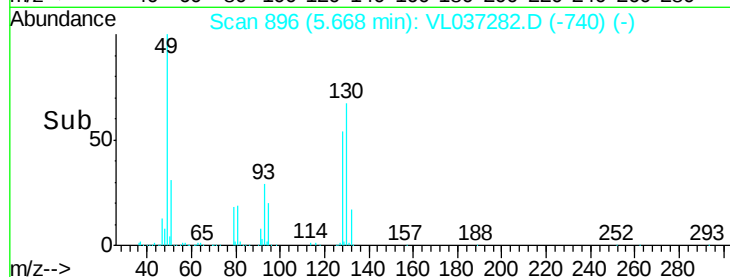
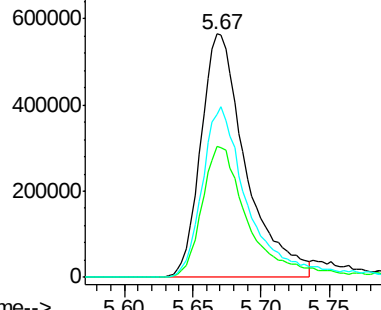
8/2/2021 9:03:36 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.675 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037282.D

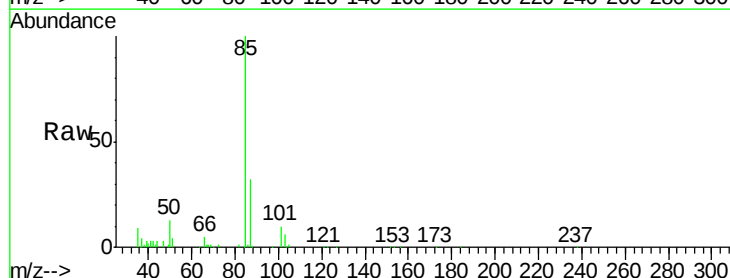
Acq: 27 Jul 2021 4:31

Tgt Ion: 85 Resp: 154035

Ion Ratio Lower Upper

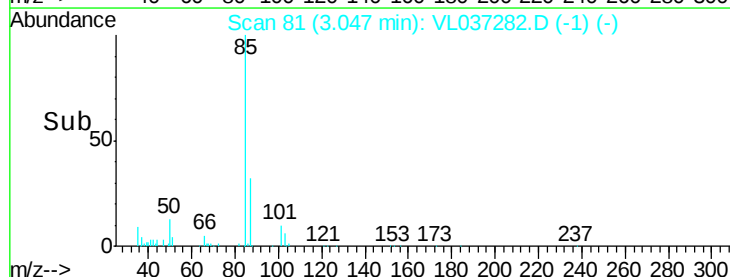
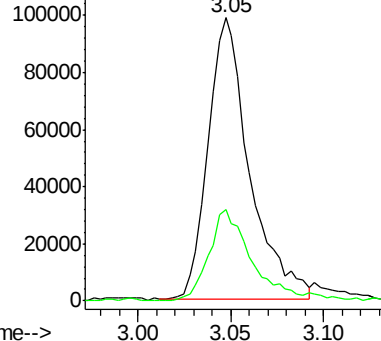
85 100

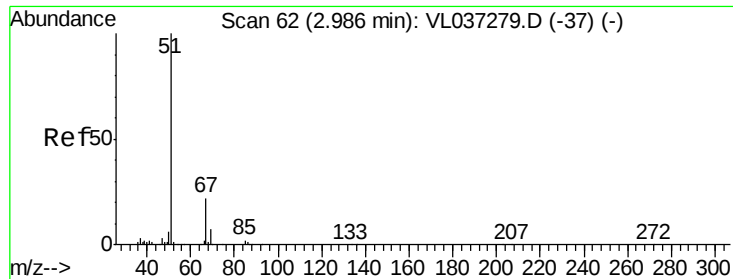
87 32.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.551 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 139787

Ion Ratio Lower Upper

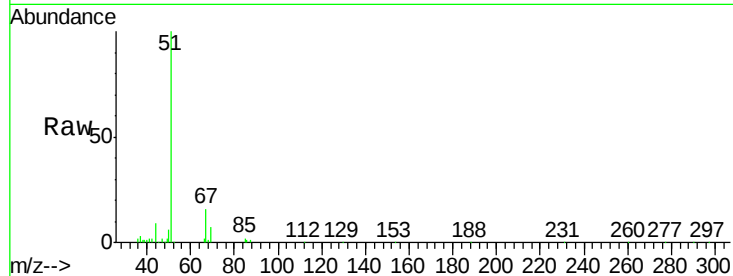
51 100

67 19.2 16.2 24.4

Manual Integrations
APPROVED

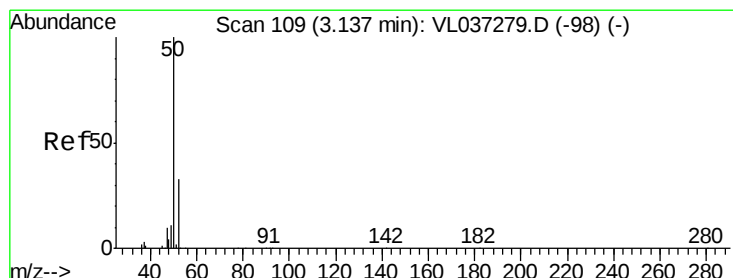
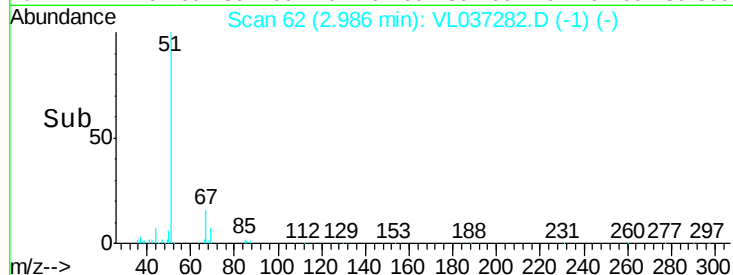
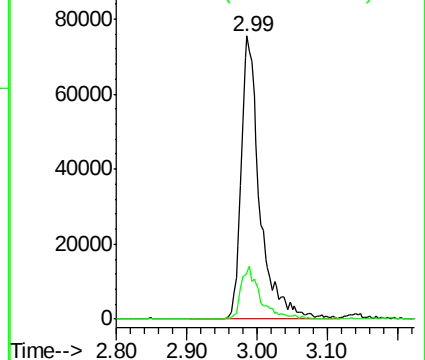
MMDadoda

8/2/2021 9:03:36 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.513 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037282.D

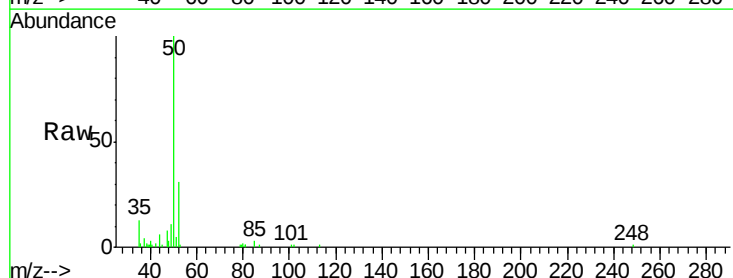
Acq: 27 Jul 2021 4:31

Tgt Ion: 50 Resp: 43321

Ion Ratio Lower Upper

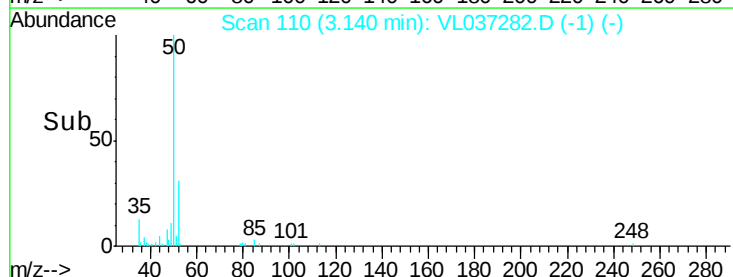
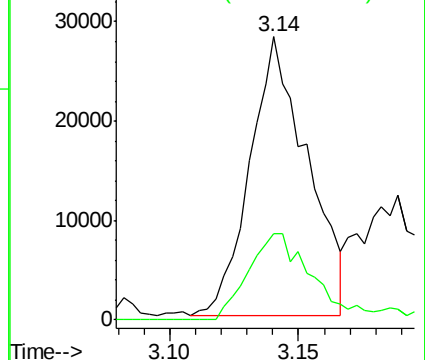
50 100

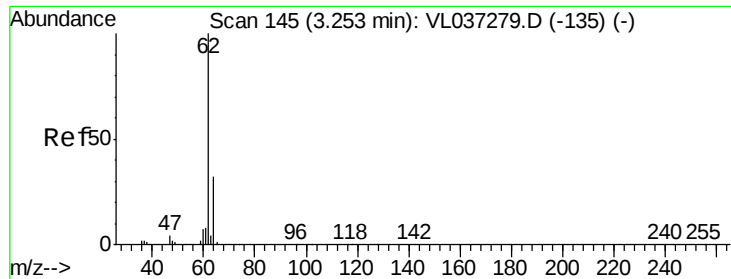
52 31.2 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.509 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 46813

Ion Ratio Lower Upper

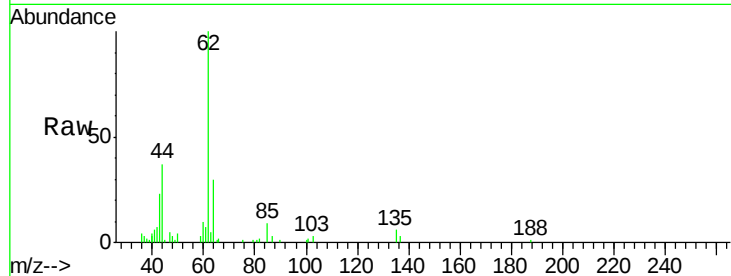
62 100

64 30.1 25.5 38.3

Manual Integrations
APPROVED

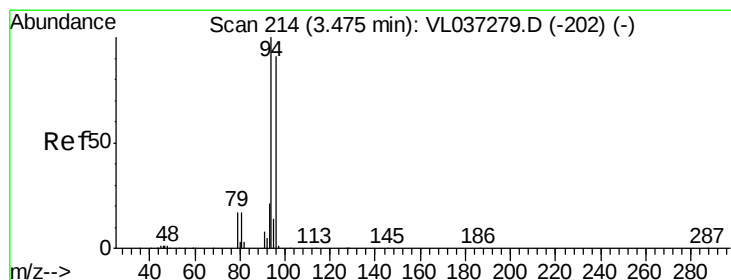
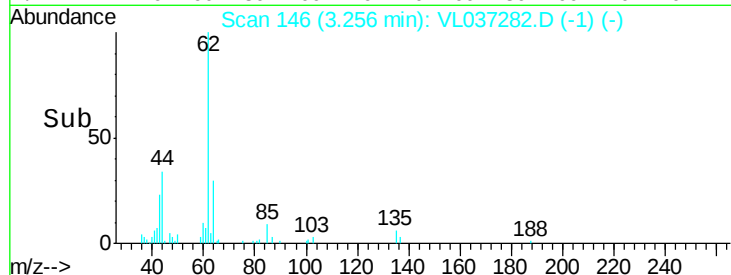
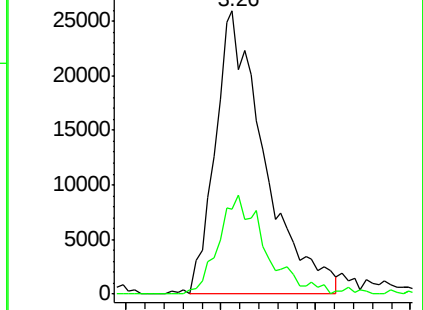
MMDadoda

8/2/2021 9:03:36 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.500 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037282.D

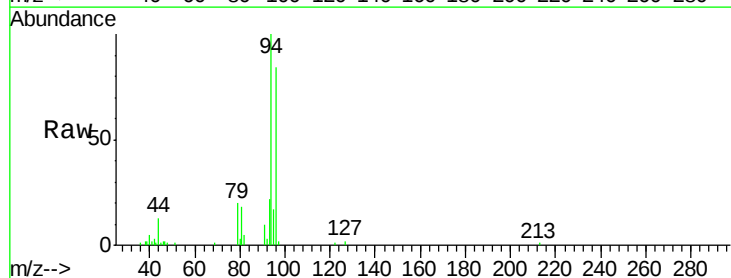
Acq: 27 Jul 2021 4:31

Tgt Ion: 94 Resp: 27165

Ion Ratio Lower Upper

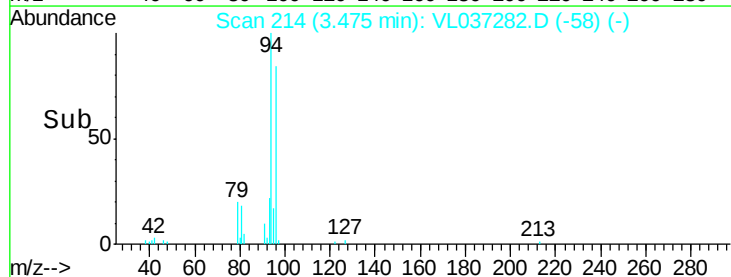
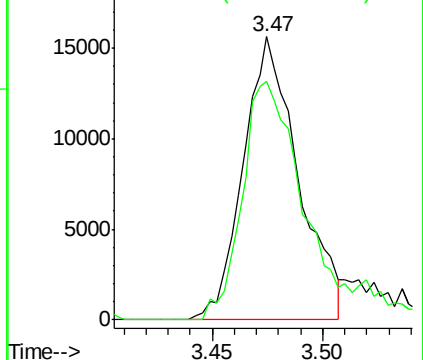
94 100

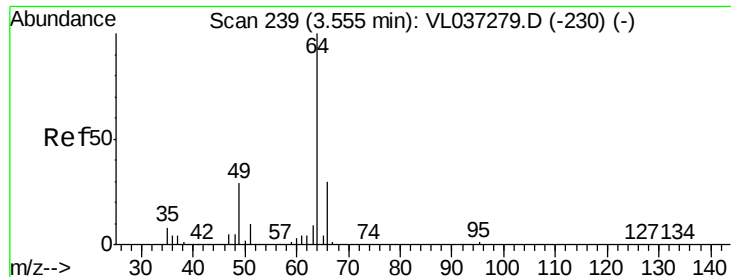
96 84.5 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.546 ppbv m

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 18317

Ion Ratio Lower Upper

64 100

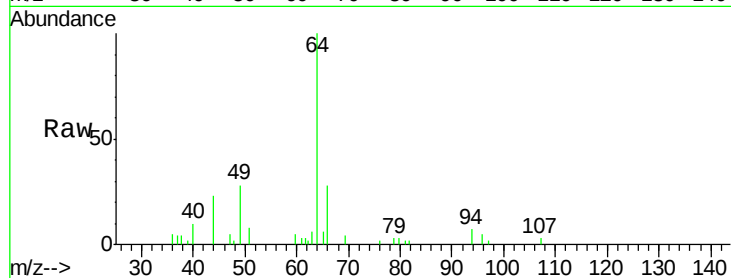
66 27.8 24.3 36.5

Manual Integrations

APPROVED

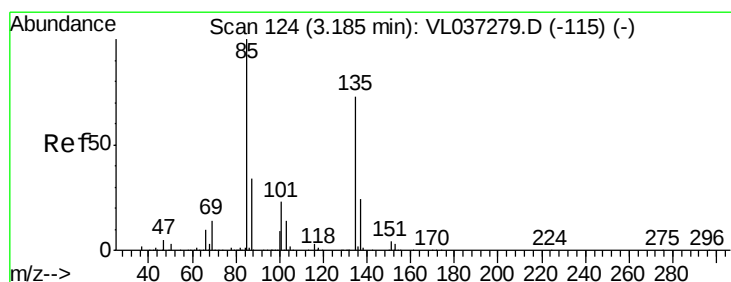
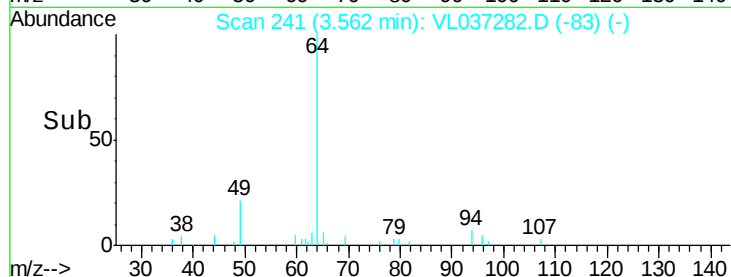
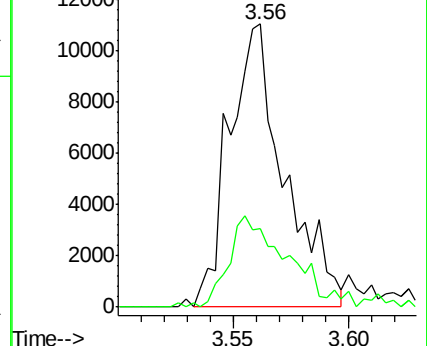
MMDadoda

8/2/2021 9:03:36 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.525 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037282.D

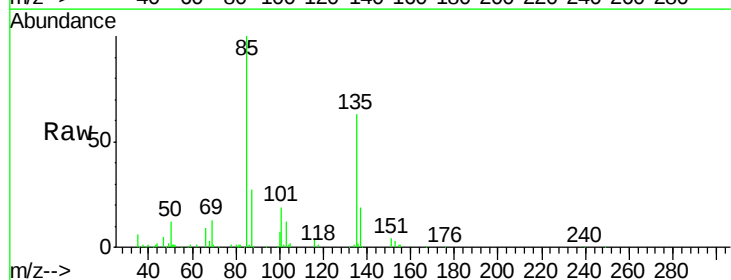
Acq: 27 Jul 2021 4:31

Tgt Ion: 85 Resp: 122467

Ion Ratio Lower Upper

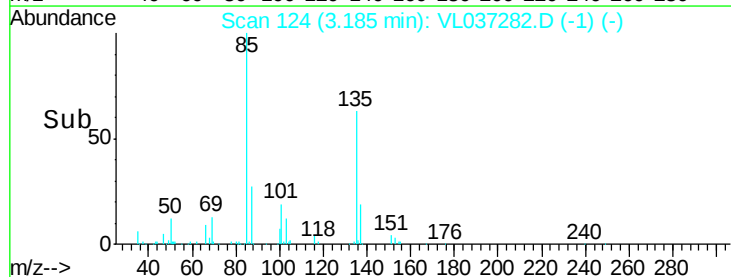
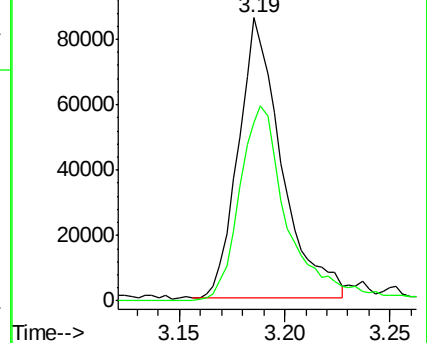
85 100

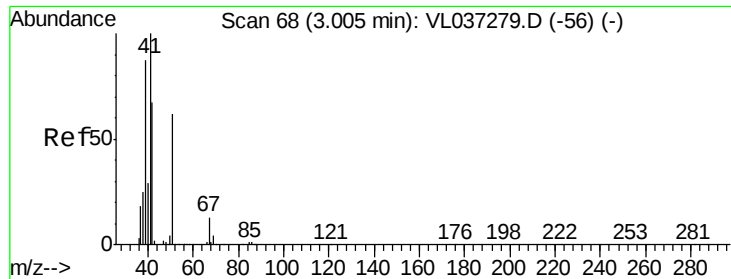
135 79.9 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





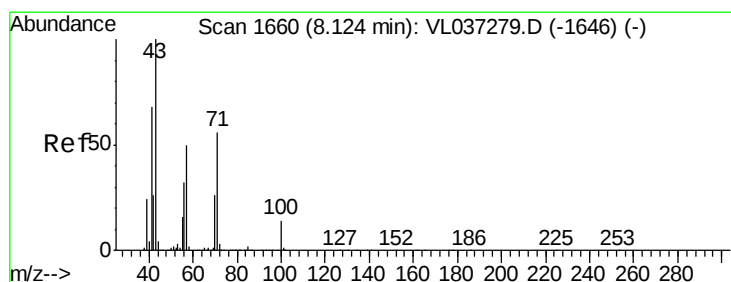
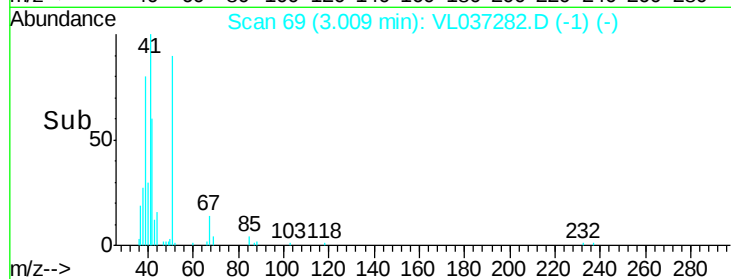
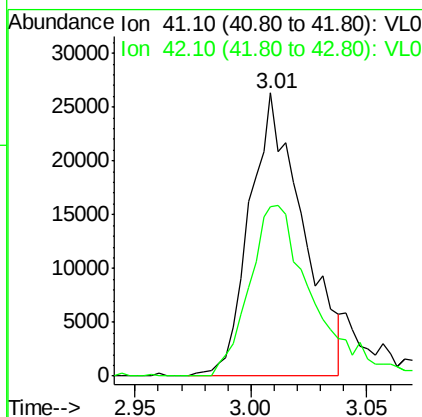
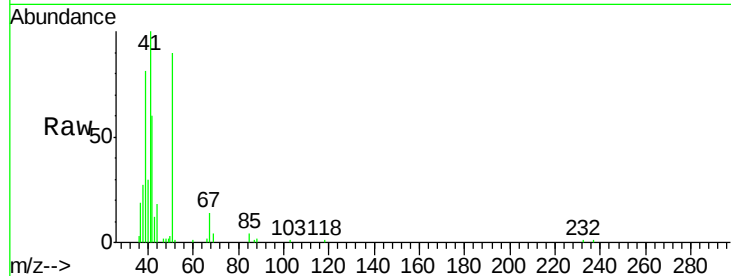
#9
 Propene
 Concen: 0.519 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
42	75.3	53.4	80.2

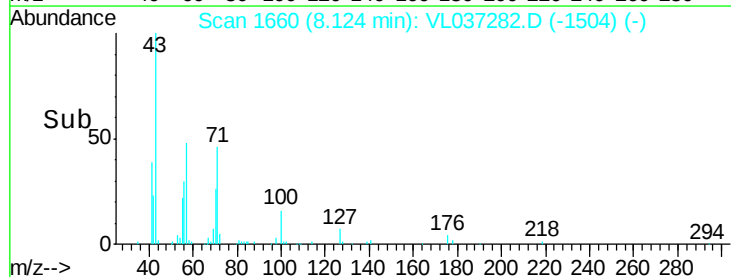
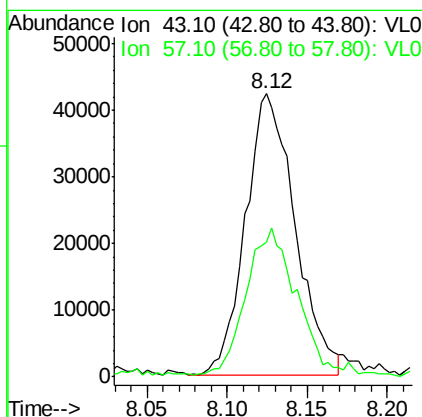
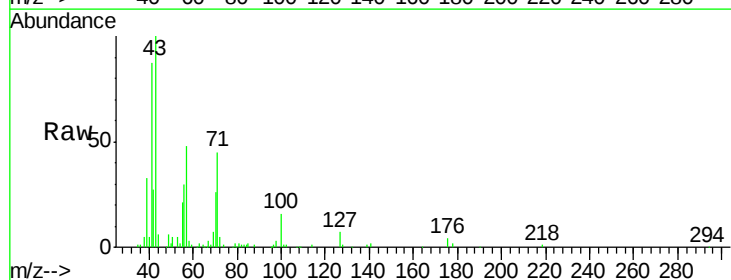
Manual Integrations
 APPROVED

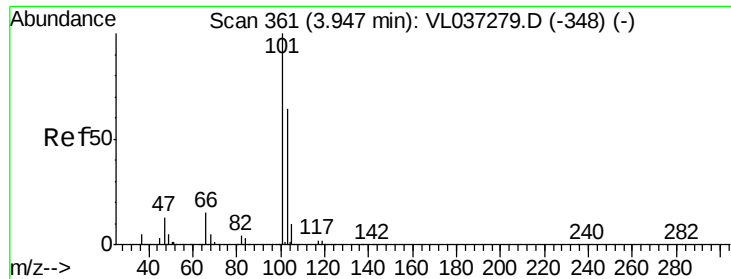
MMDadoda
 8/2/2021 9:03:36 AM



#10
 Heptane
 Concen: 0.458 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	56.4	40.1	60.1





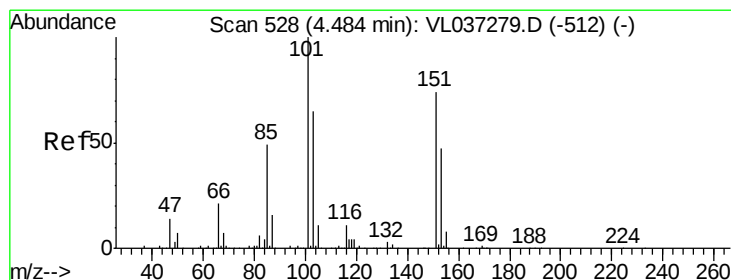
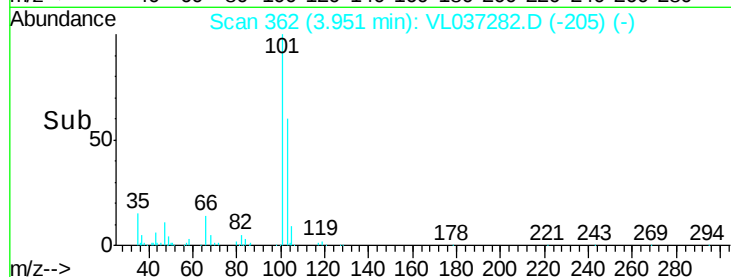
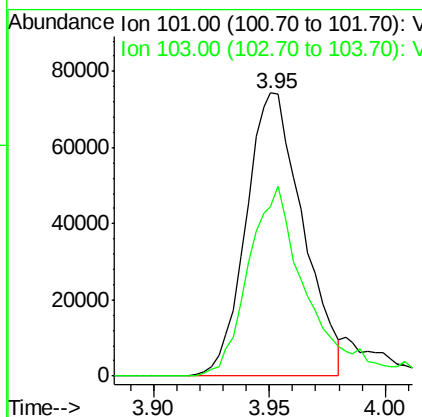
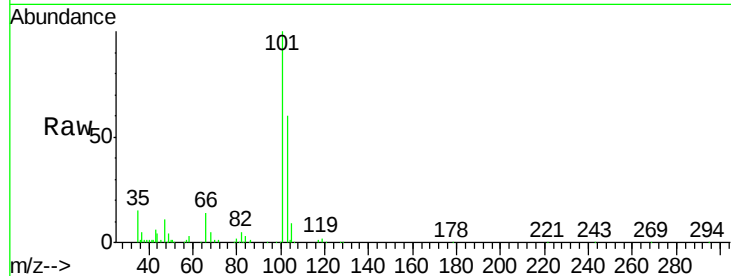
#11
 Trichlorofluoromethane
 Concen: 0.519 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:101 Resp: 126393
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.4 77.0

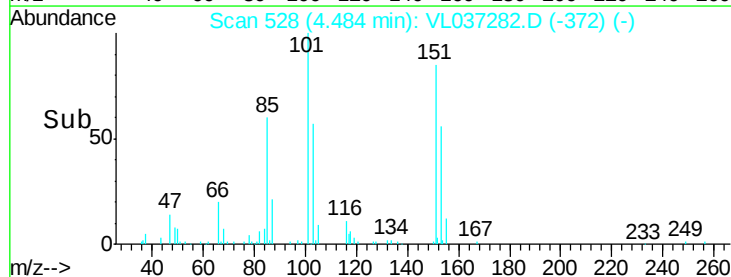
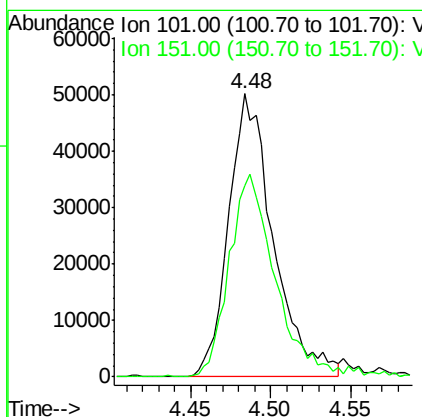
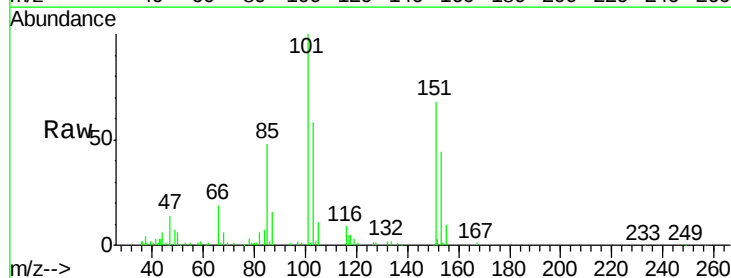
Manual Integrations
 APPROVED

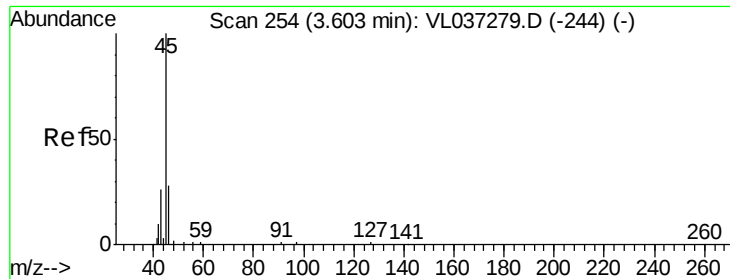
MMDadoda
 8/2/2021 9:03:36 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.556 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion:101 Resp: 95702
 Ion Ratio Lower Upper
 101 100
 151 75.4 59.3 88.9





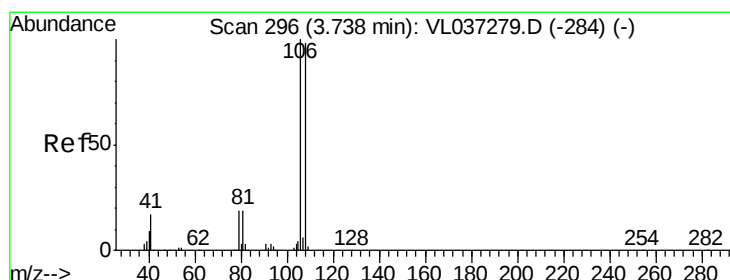
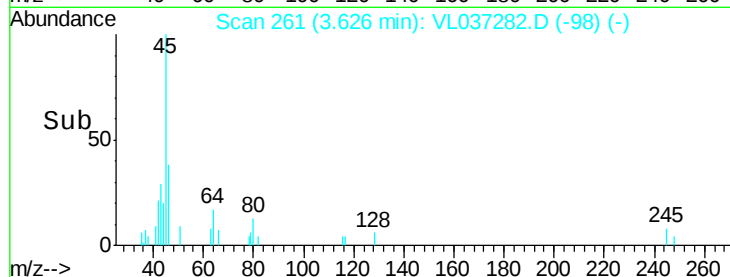
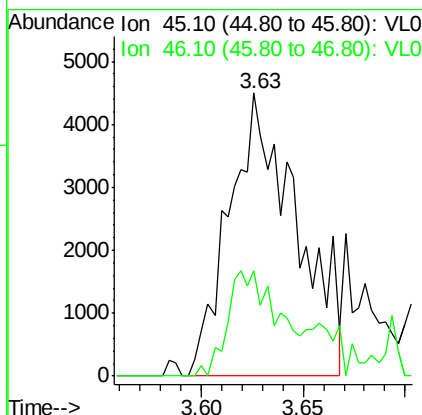
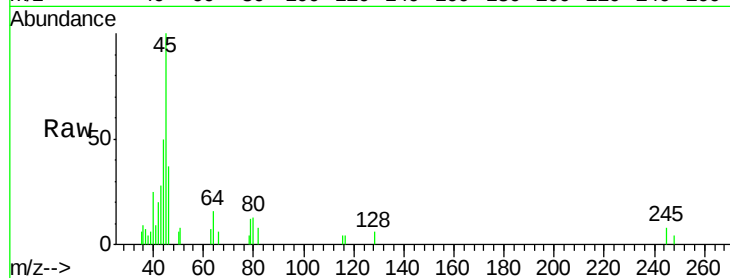
#13
Ethanol
Concen: 0.844 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.1	60.3#

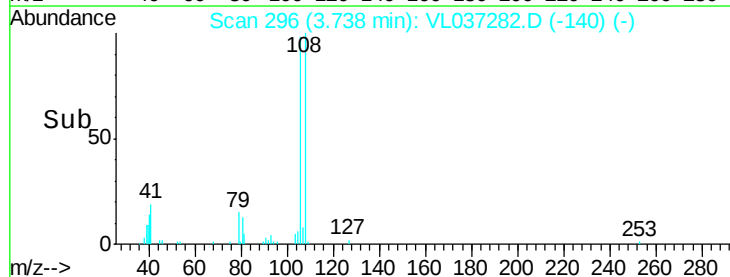
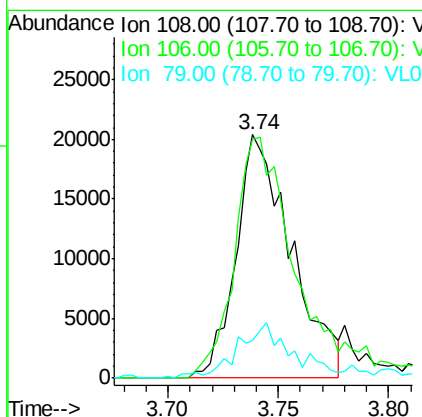
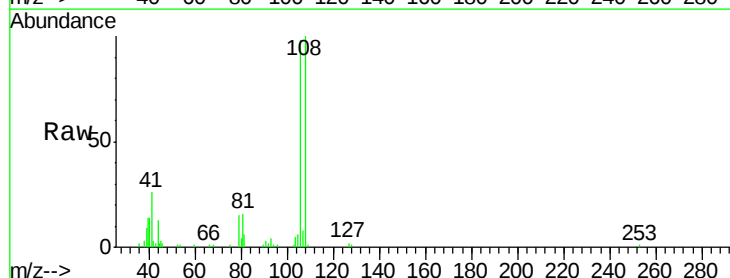
Manual Integrations
APPROVED

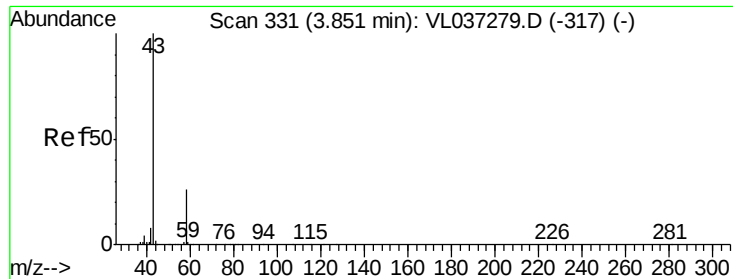
MMDadoda
8/2/2021 9:03:36 AM



#14
Bromoethene
Concen: 0.498 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
108	100		
106	115.6	86.0	129.0
79	26.1	16.0	24.0#





#15

Acetone

Concen: 1.021 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 153047

Ion Ratio Lower Upper

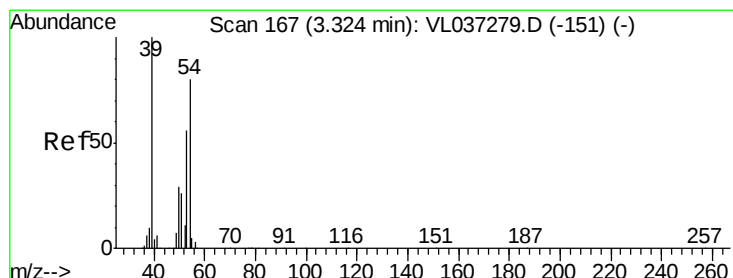
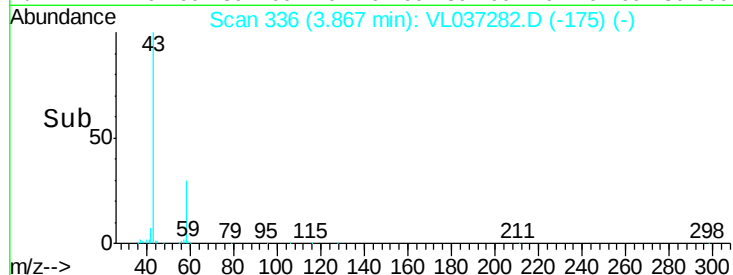
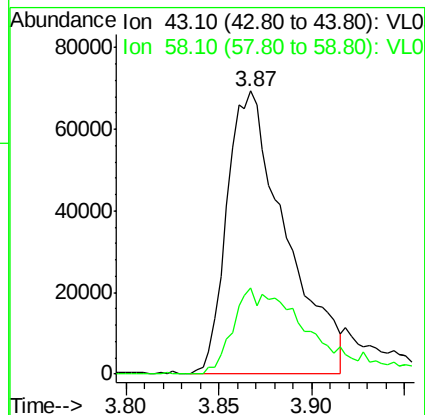
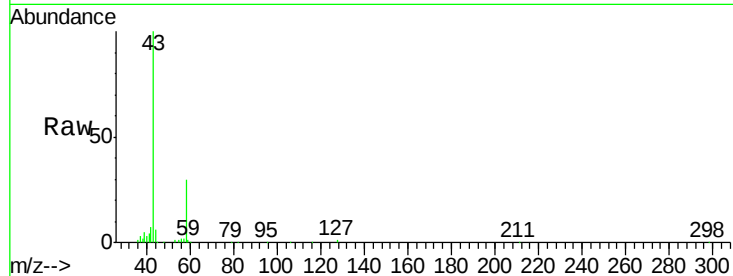
43 100

58 41.1 22.3 33.5#

Manual Integrations
APPROVED

MMDadoda

8/2/2021 9:03:36 AM



#16

1,3-Butadiene

Concen: 0.531 ppbv m

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037282.D

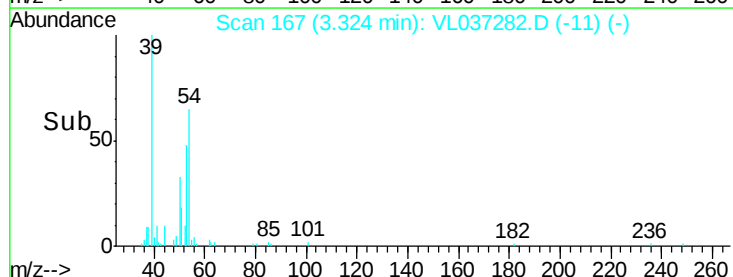
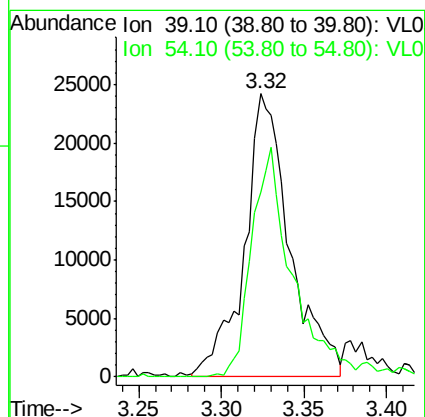
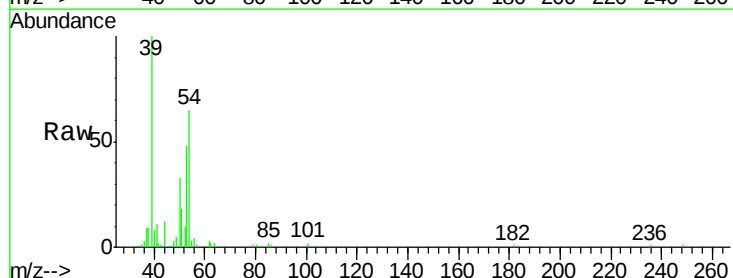
Acq: 27 Jul 2021 4:31

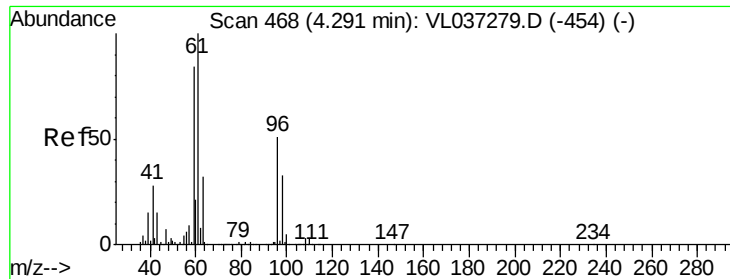
Tgt Ion: 39 Resp: 46242

Ion Ratio Lower Upper

39 100

54 76.1 60.4 90.6





#17

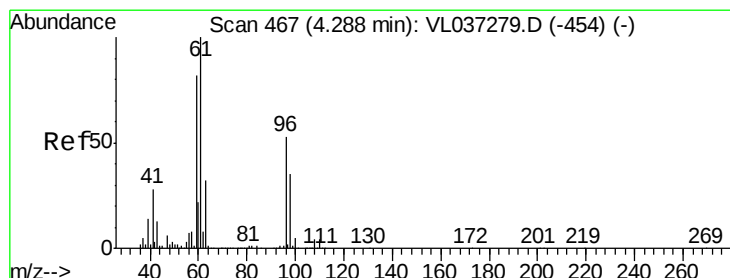
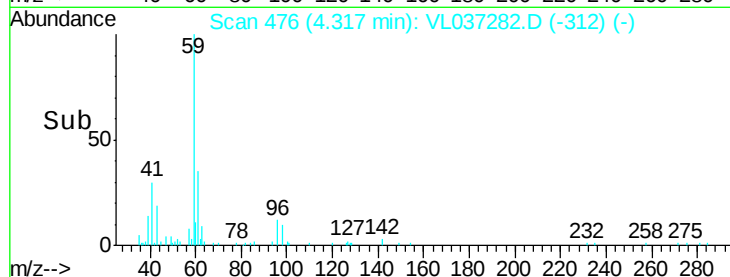
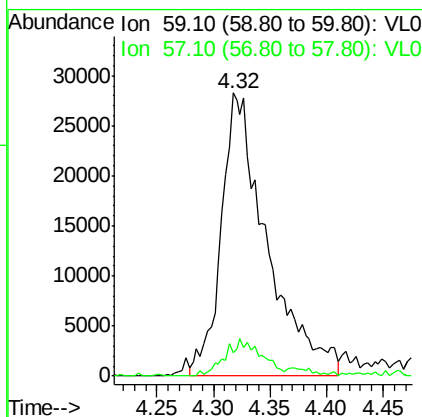
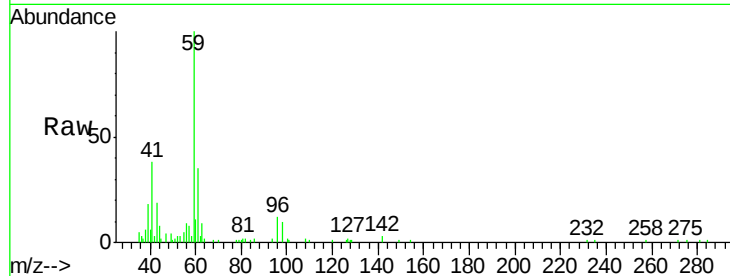
tert-Butyl alcohol
Concen: 0.587 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.03 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Resp	79686
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	13.0#

Manual Integrations
APPROVED

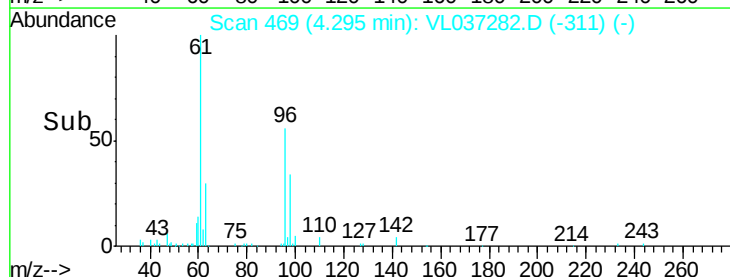
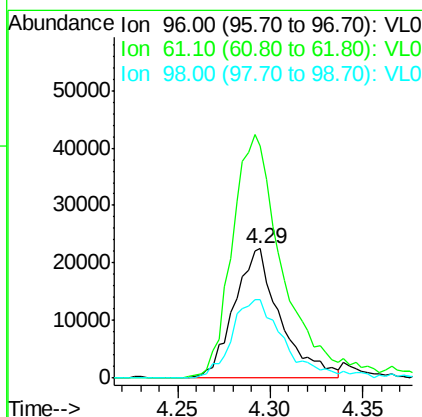
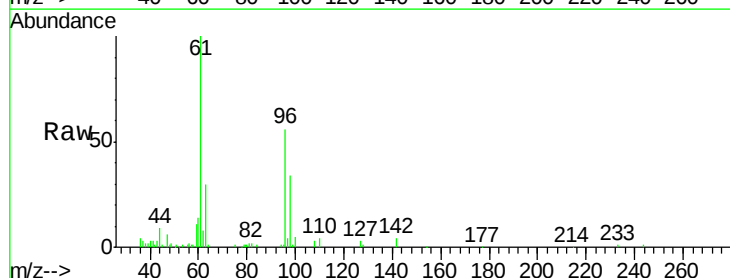
MMDadoda
8/2/2021 9:03:36 AM

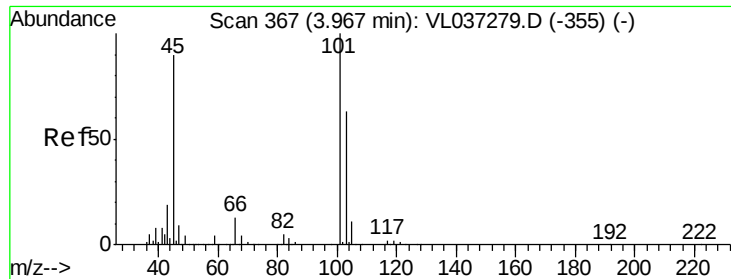


#18

1,1-Dichloroethene
Concen: 0.509 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	96	Resp	38908
Ion	Ratio	Lower	Upper
96	100		
61	178.3	151.4	227.2
98	60.6	52.4	78.6





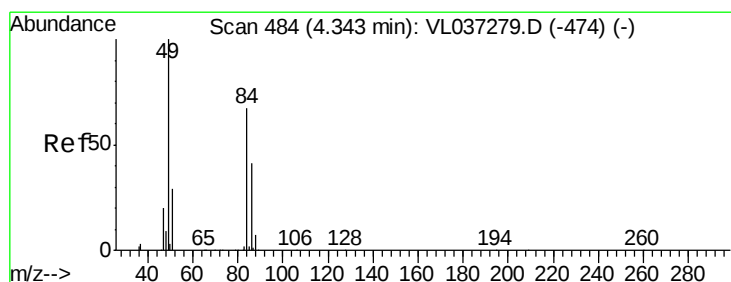
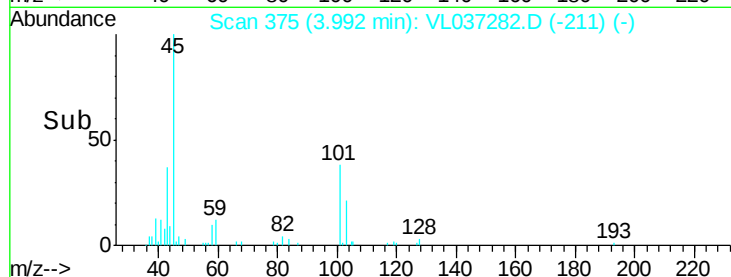
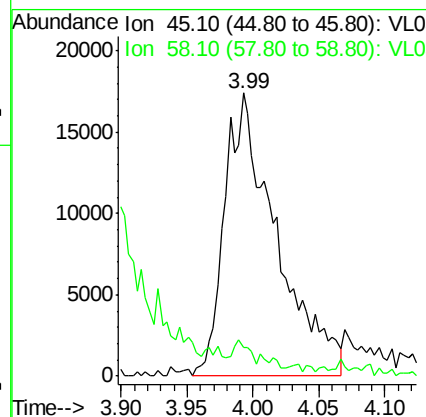
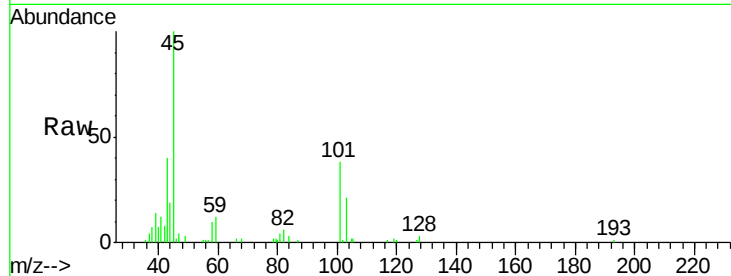
#19
Isopropyl Alcohol
Concen: 0.543 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.03 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 47274
Ion Ratio Lower Upper
45 100
58 0.0 3.0 4.4#

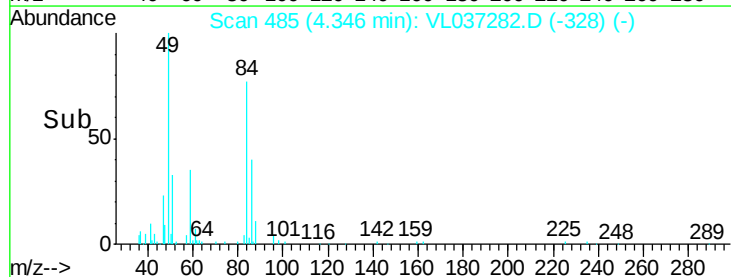
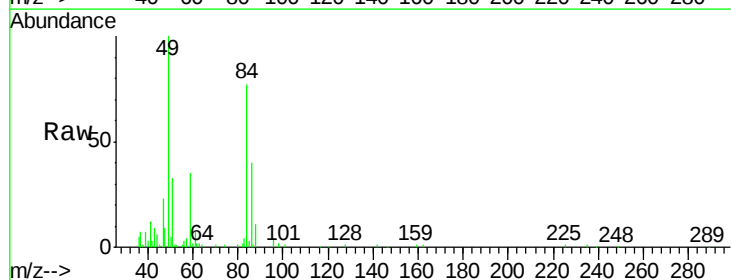
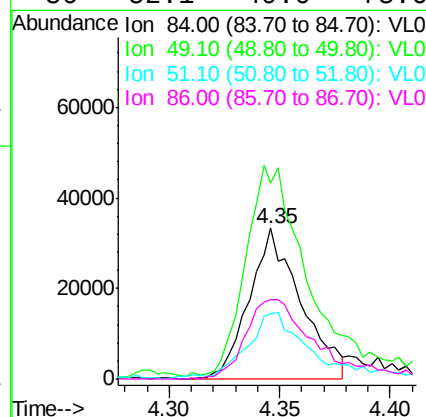
Manual Integrations
APPROVED

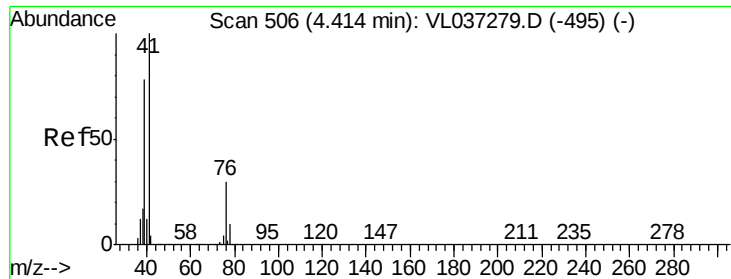
MMDadoda
8/2/2021 9:03:36 AM



#20
Methylene Chloride
Concen: 0.609 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 84 Resp: 54135
Ion Ratio Lower Upper
84 100
49 126.0 119.0 178.6
51 41.0 35.0 52.4
86 52.1 49.0 73.6





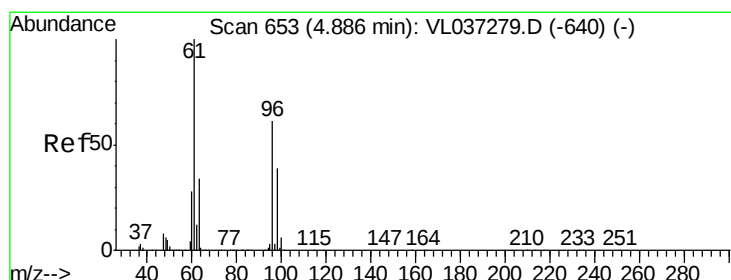
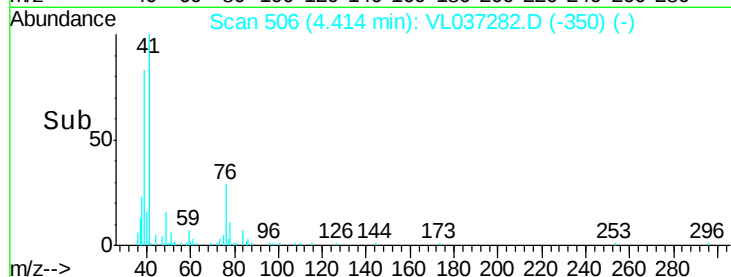
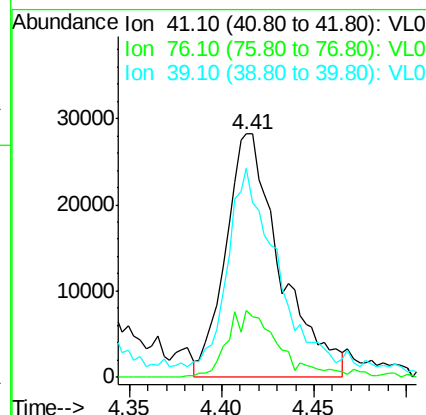
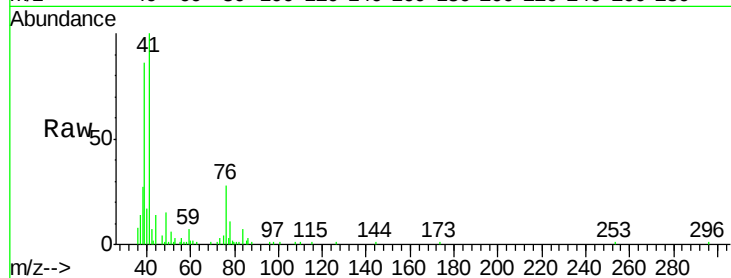
#21
Allvl Chloride
Concen: 0.520 ppbv m
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.0	23.6	35.4
39	83.4	63.8	95.6

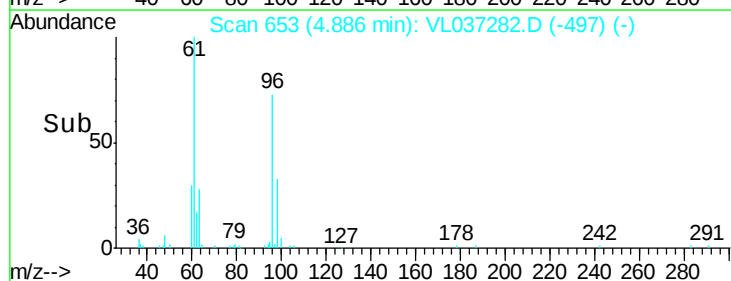
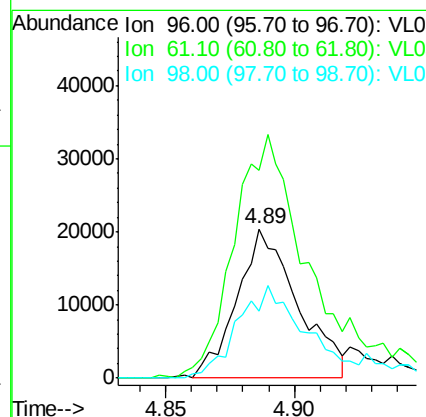
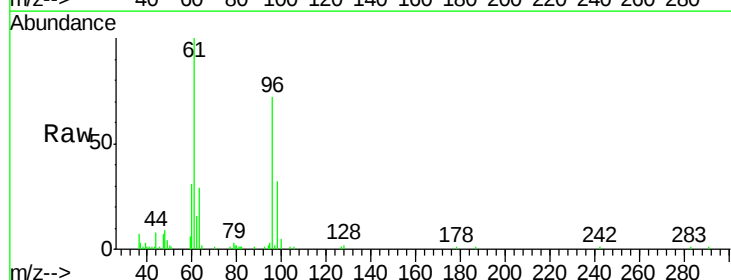
Manual Integrations
APPROVED

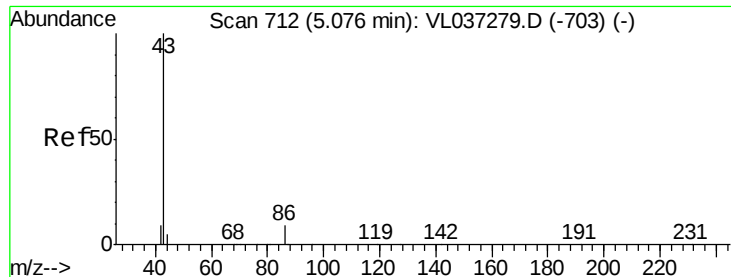
MMDadoda
8/2/2021 9:03:36 AM



#22
trans-1,2-Dichloroethene
Concen: 0.445 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.3	131.8	197.6#
98	41.2	51.4	77.2#





#23

Vinyl Acetate

Concen: 0.448 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

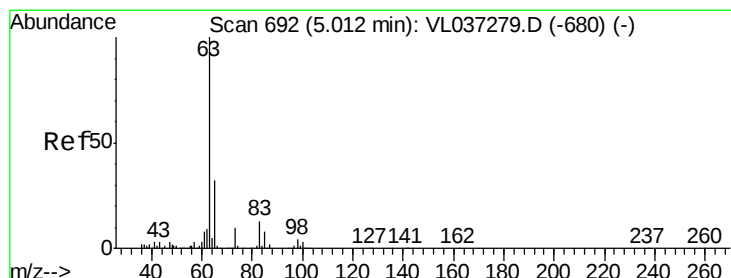
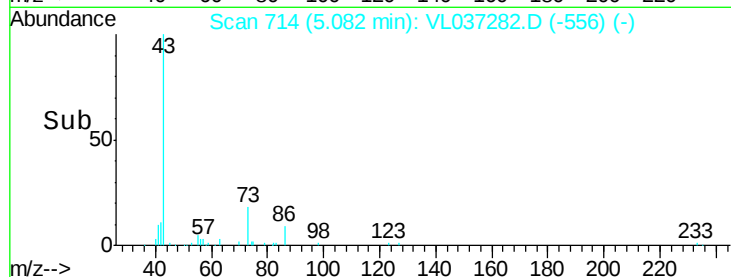
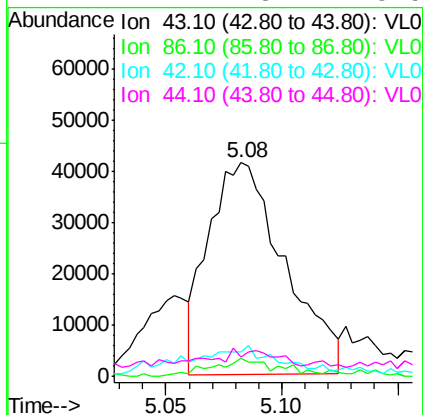
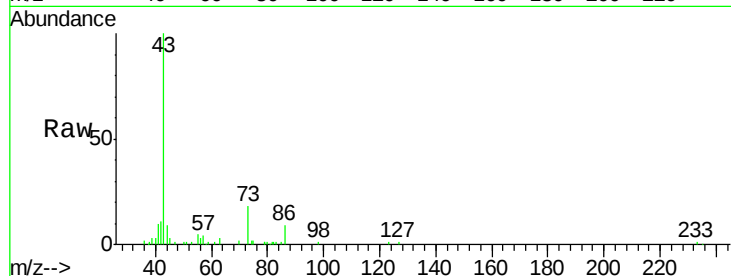
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	10.1	8.2	12.4
44	2.1	3.7	5.5#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#24

1,1-Dichloroethane

Concen: 0.510 ppbv

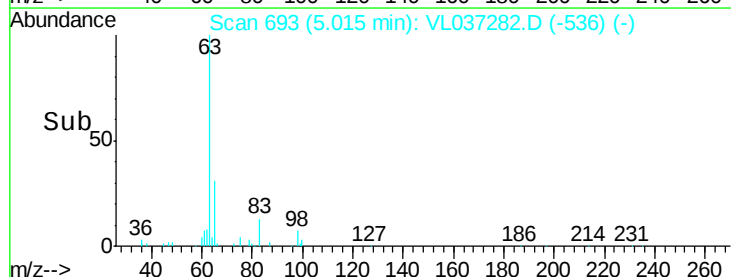
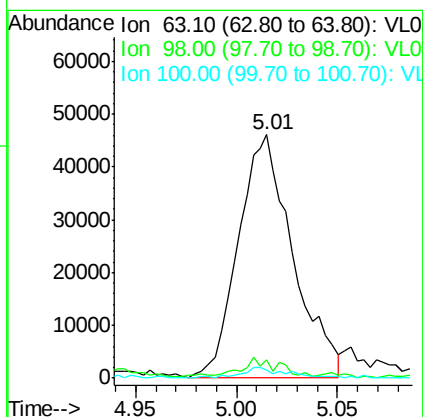
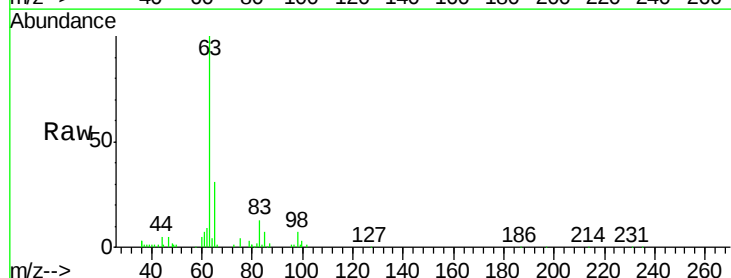
RT: 5.01 min Scan# 693

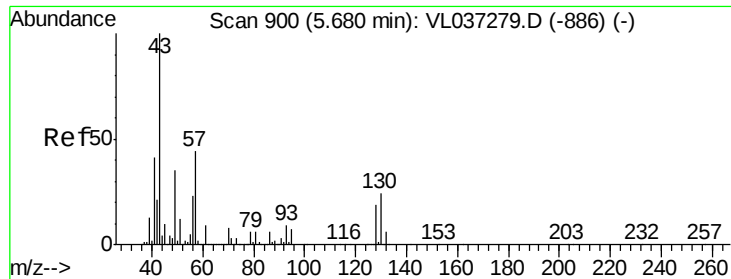
Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.4	7.1
100	3.3	1.4	4.0





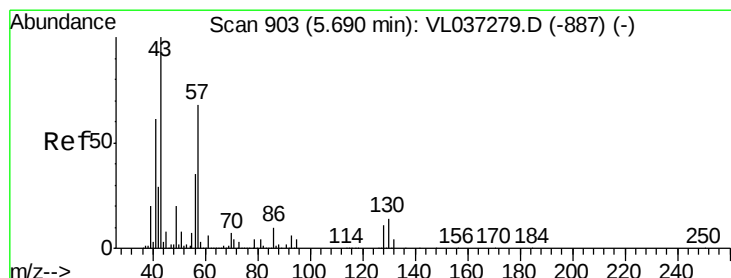
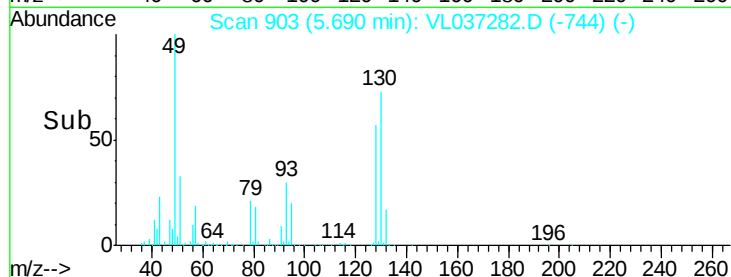
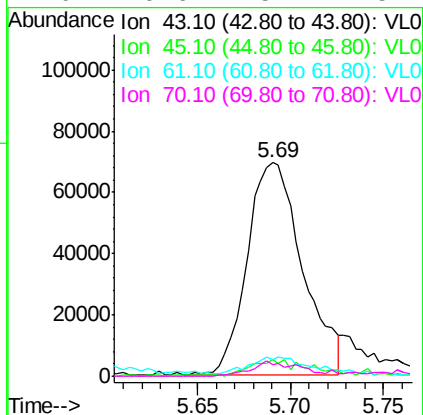
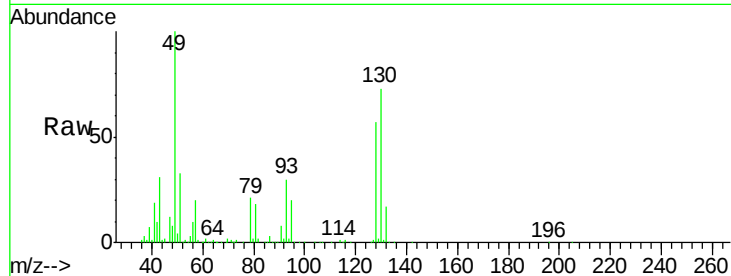
#25
Ethyl Acetate
Concen: 0.452 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	143970
Ion Ratio	Lower	Upper	
43	100		
45	9.9	7.8	11.6
61	12.3	8.0	12.0#
70	6.6	5.4	8.2

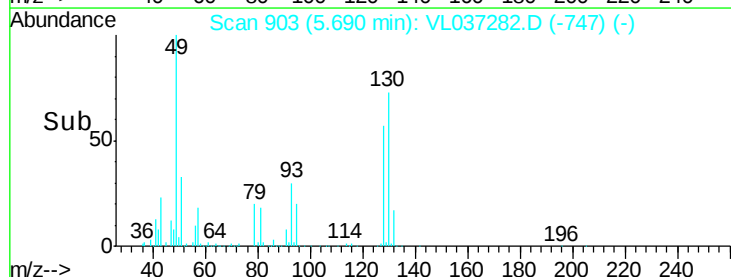
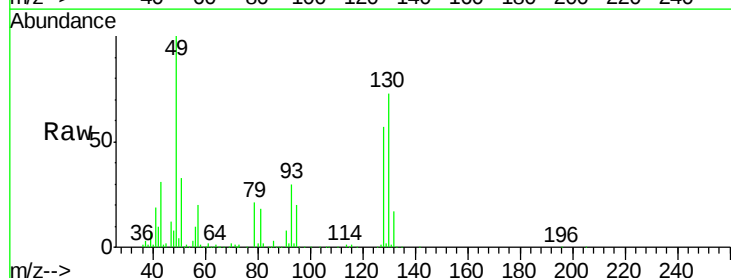
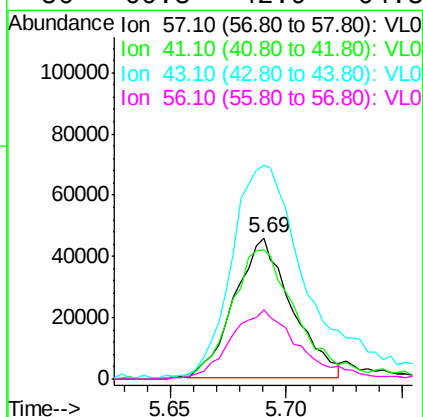
Manual Integrations
APPROVED

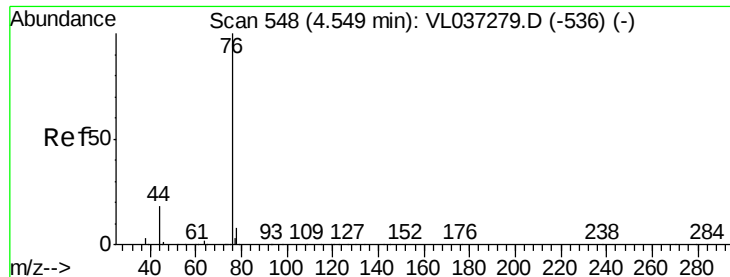
MMDadoda
8/2/2021 9:03:36 AM



#26
Hexane
Concen: 0.485 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	57	Resp	77864
Ion Ratio	Lower	Upper	
57	100		
41	117.7	75.7	113.5#
43	217.8	172.2	258.2
56	60.3	42.9	64.3





#27

Carbon Disulfide

Concen: 0.383 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

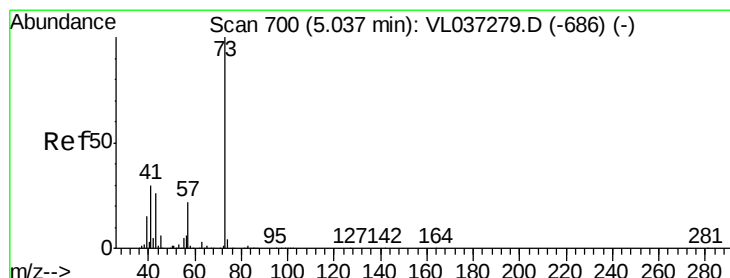
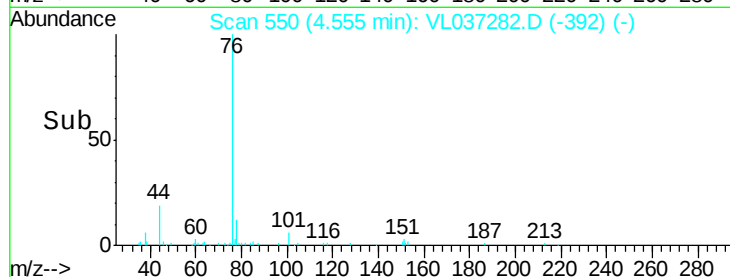
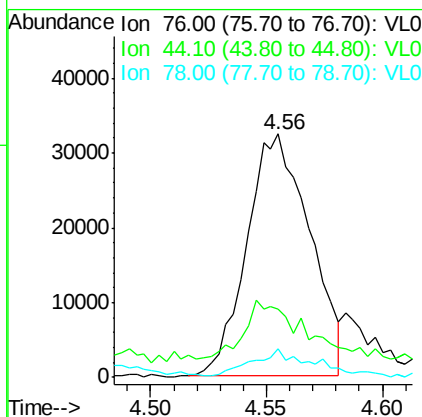
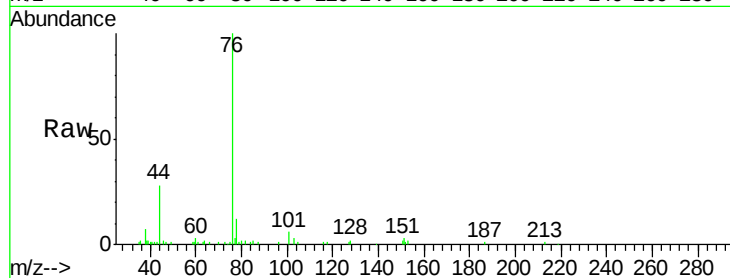
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	60768
Ion Ratio	Lower	Upper	
76	100		
44	30.9	15.8	23.8#
78	13.8	8.4	12.6#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#28

Methyl tert-Butyl Ether

Concen: 0.482 ppbv

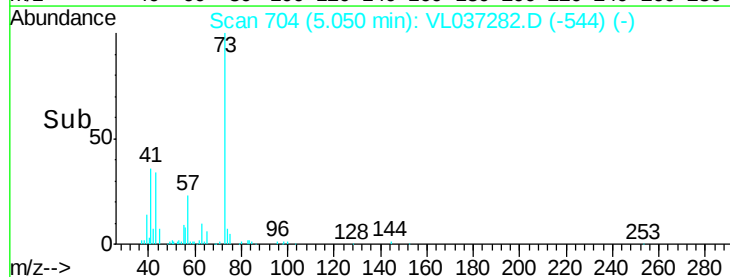
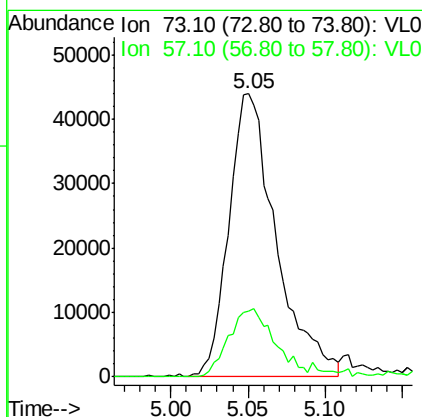
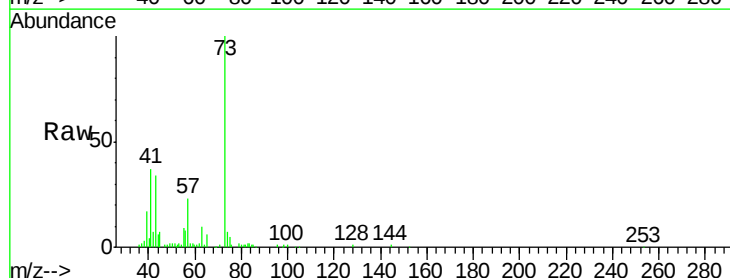
RT: 5.05 min Scan# 704

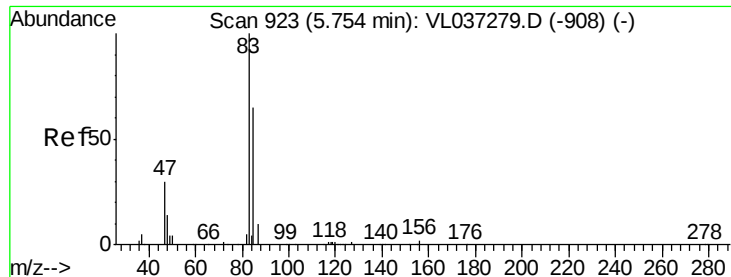
Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion:	73	Resp:	93100
Ion Ratio	Lower	Upper	
73	100		
57	25.6	17.9	26.9





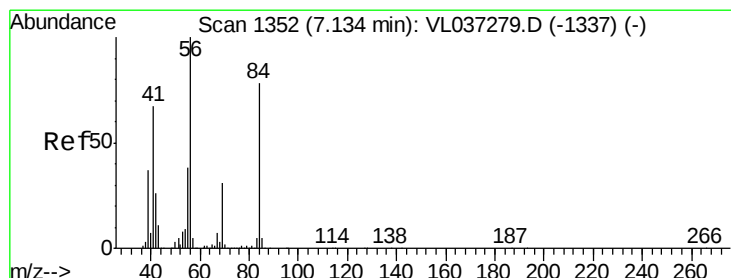
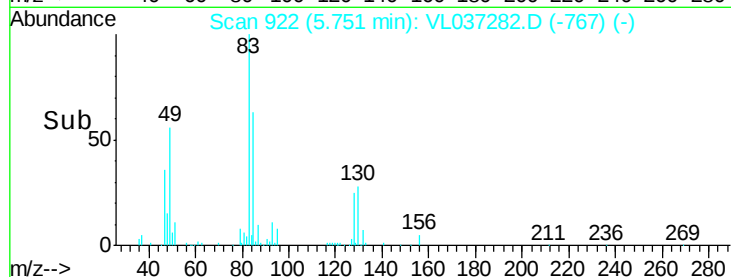
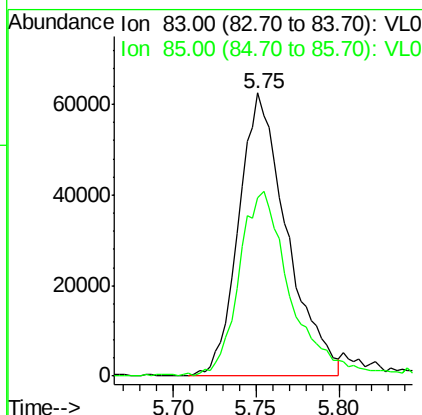
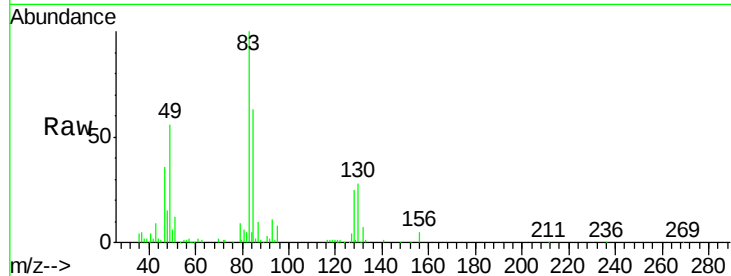
#29
Chloroform
Concen: 0.506 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	126550
Ion Ratio	100	Lower	Upper
85	62.2	52.2	78.2

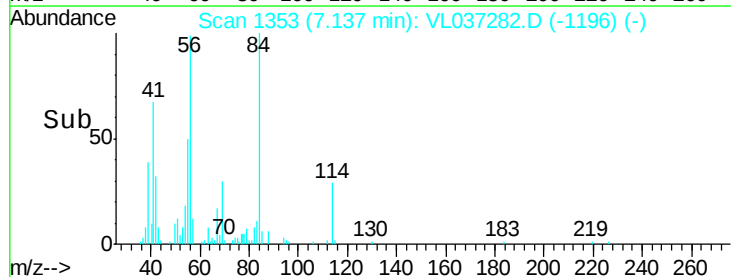
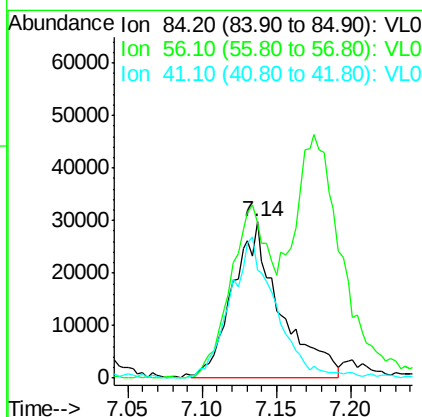
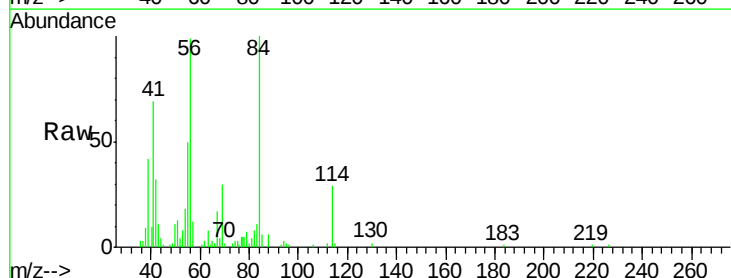
Manual Integrations
APPROVED

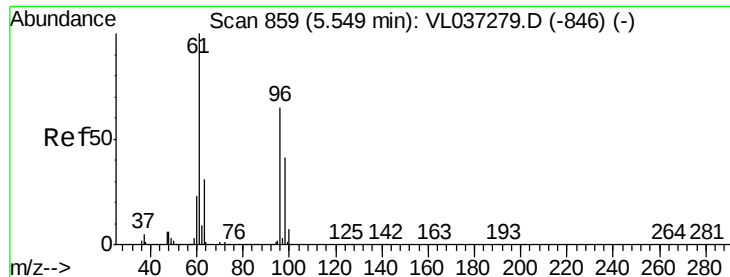
MMDadoda
8/2/2021 9:03:36 AM



#30
Cyclohexane
Concen: 0.497 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	84	Resp	66496
Ion Ratio	100	Lower	Upper
56	98.5	106.3	159.5#
41	88.0	68.6	103.0





#31

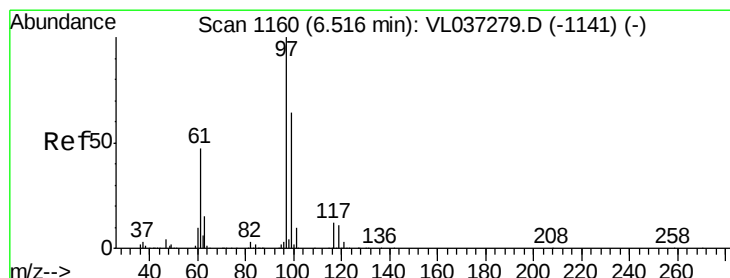
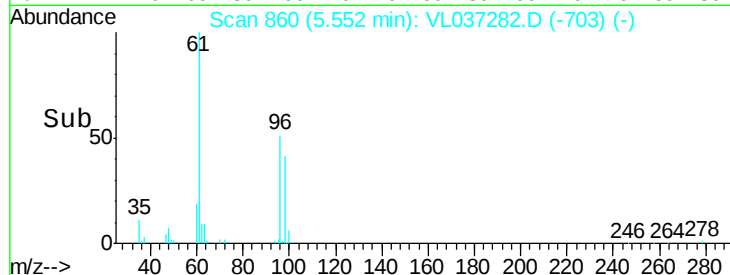
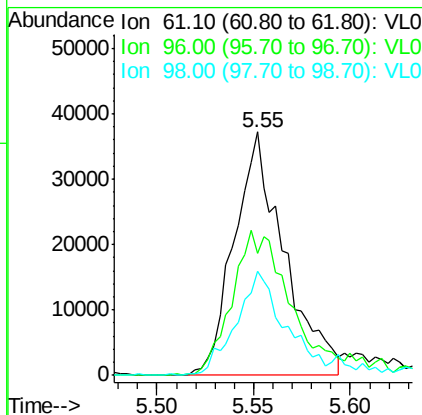
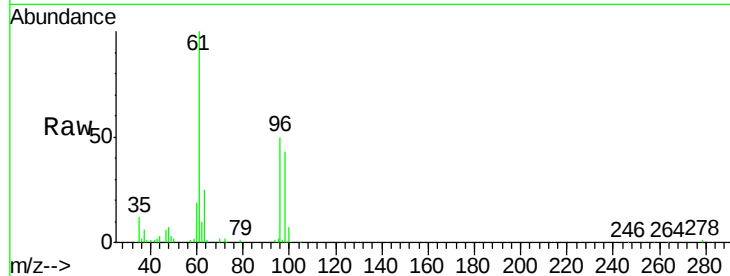
cis-1,2-Dichloroethene
Concen: 0.452 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100			
96	49.4	52.1	78.1#	
98	42.2	32.6	49.0	

Manual Integrations
APPROVED

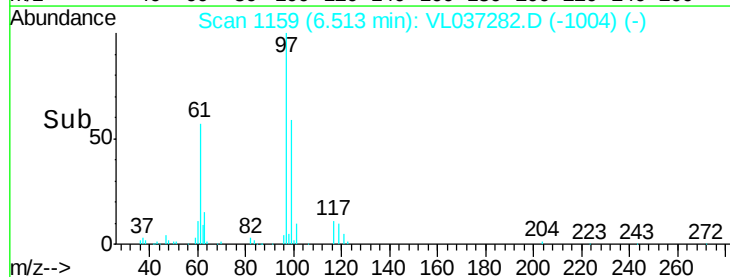
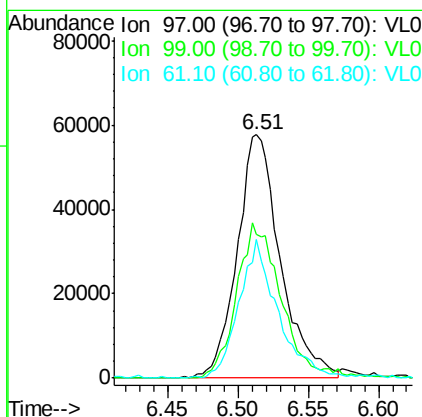
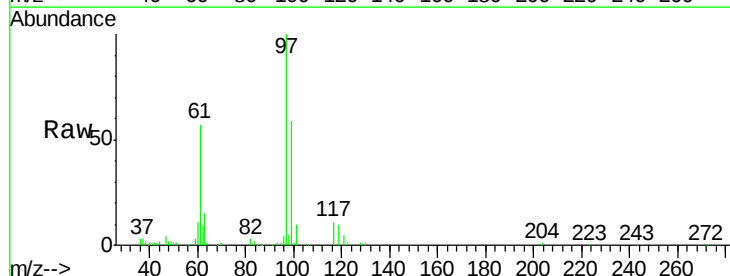
MMDadoda
8/2/2021 9:03:36 AM

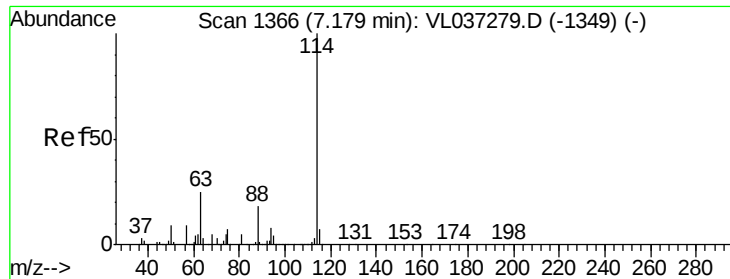


#32

1,1,1-Trichloroethane
Concen: 0.462 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	66.3	52.2	78.2	
61	52.3	39.1	58.7	





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

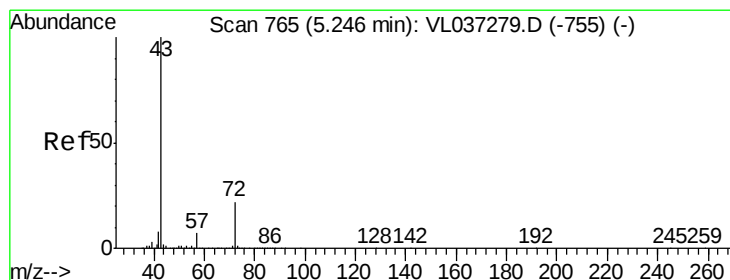
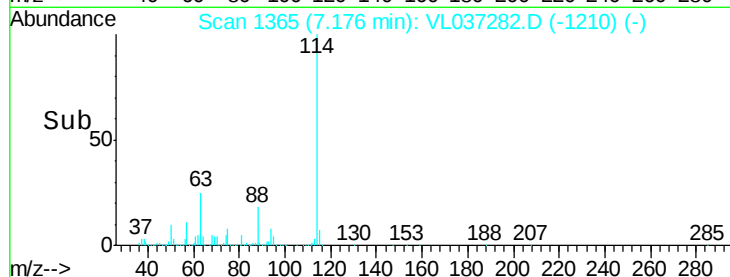
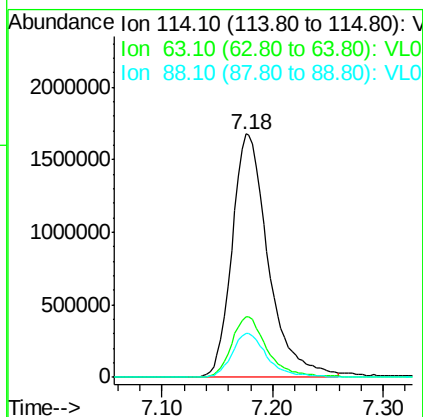
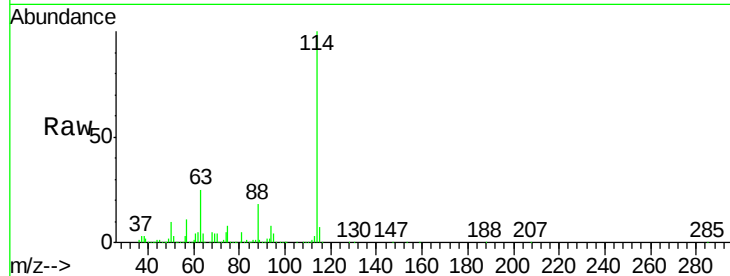
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.2	30.2
88	18.0	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#34

2-Butanone

Concen: 0.558 ppbv

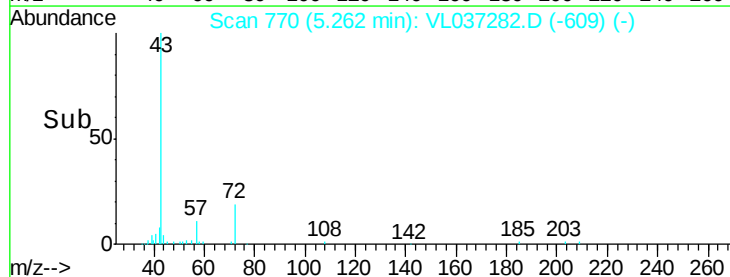
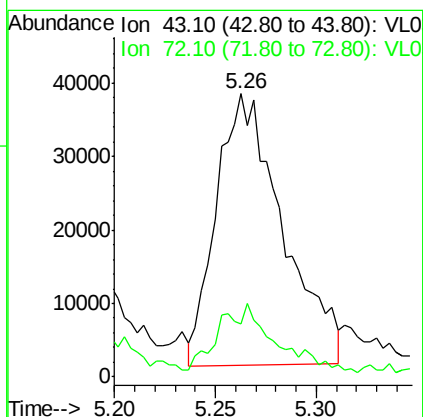
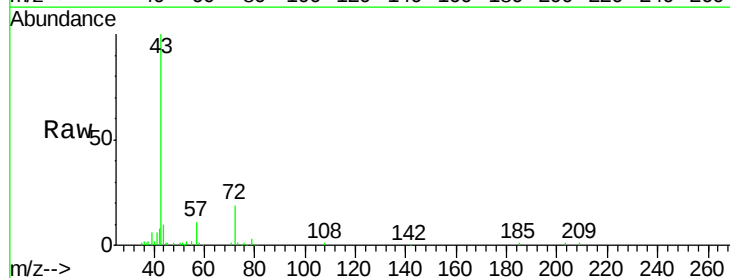
RT: 5.26 min Scan# 770

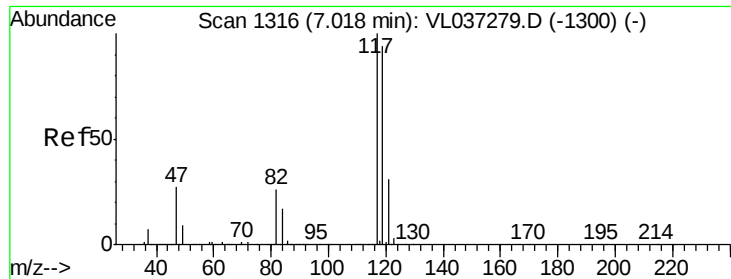
Delta R.T. 0.02 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.9	17.9	26.9





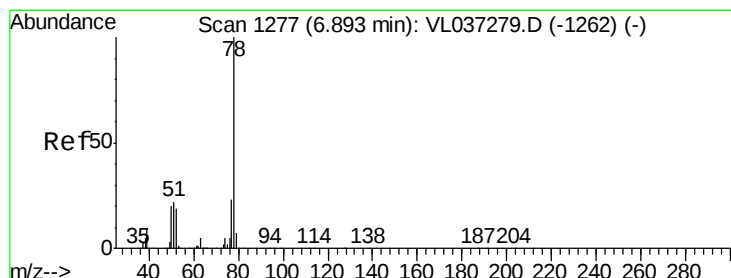
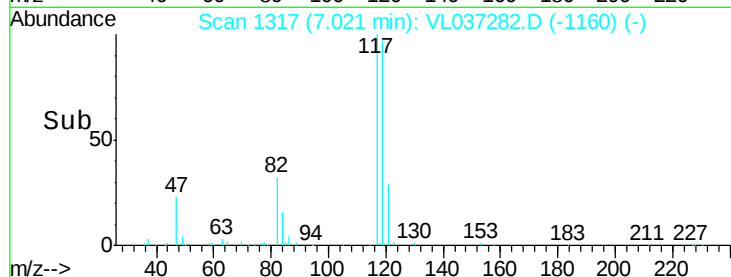
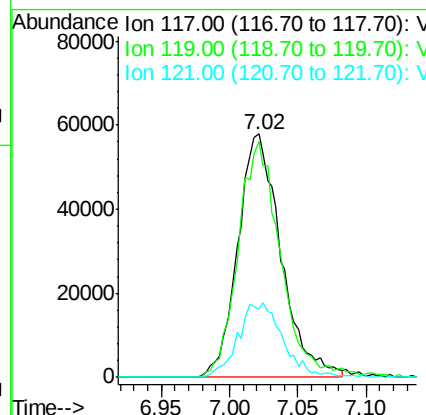
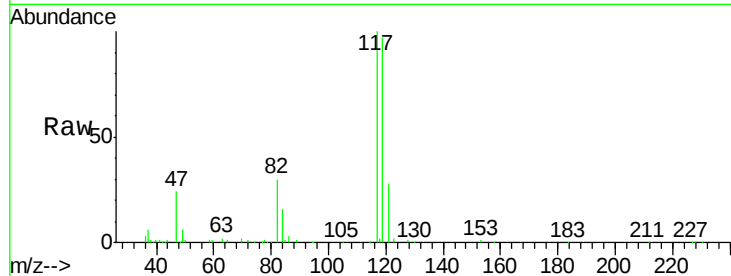
#35
Carbon Tetrachloride
Concen: 0.488 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.4	113.0
121	28.0	24.8	37.2

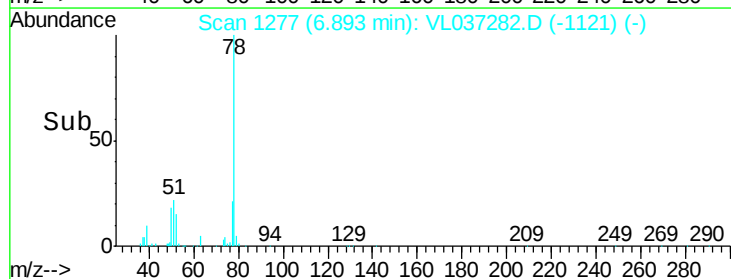
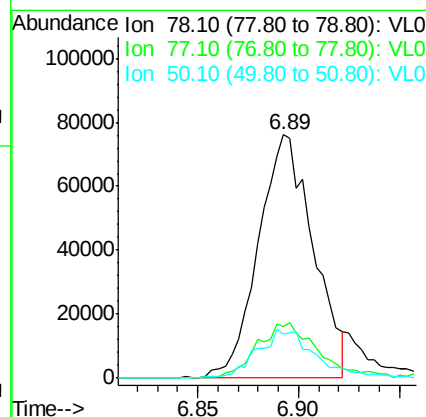
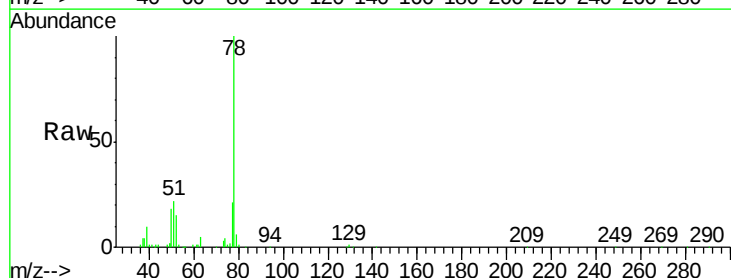
Manual Integrations
APPROVED

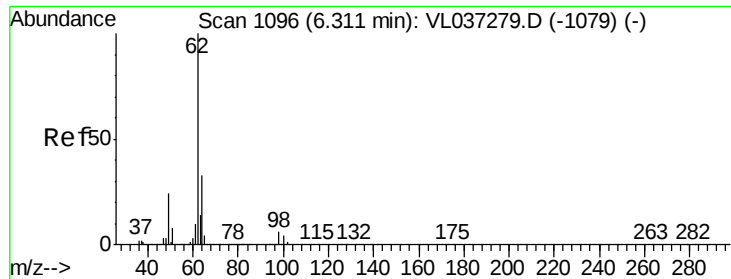
MMDadoda
8/2/2021 9:03:36 AM



#36
Benzene
Concen: 0.461 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.5	27.7
50	17.9	16.2	24.4





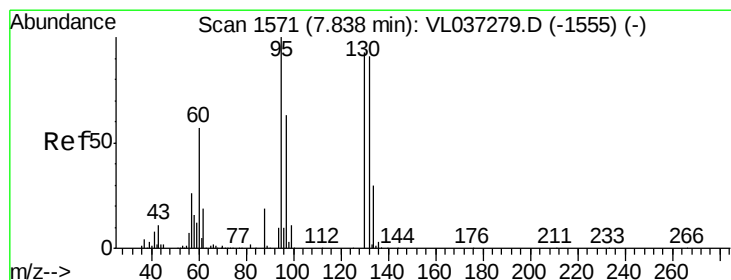
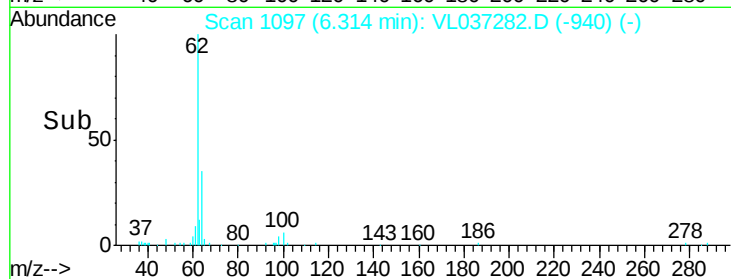
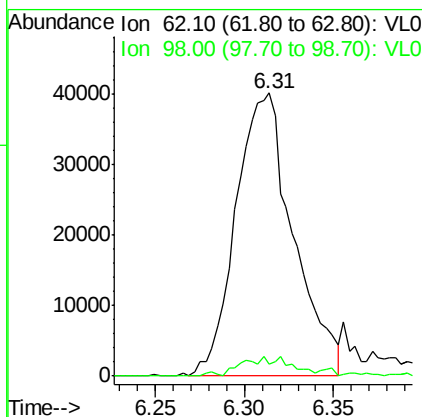
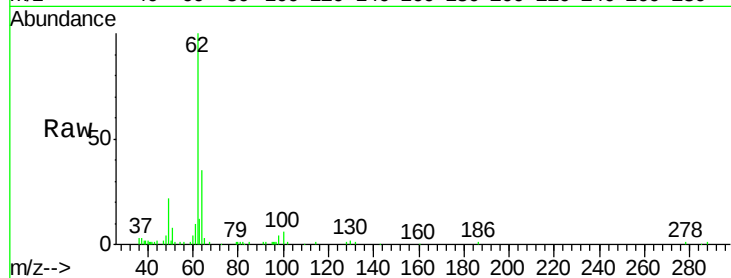
#37
 1,2-Dichloroethane
 Concen: 0.489 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.9	7.3

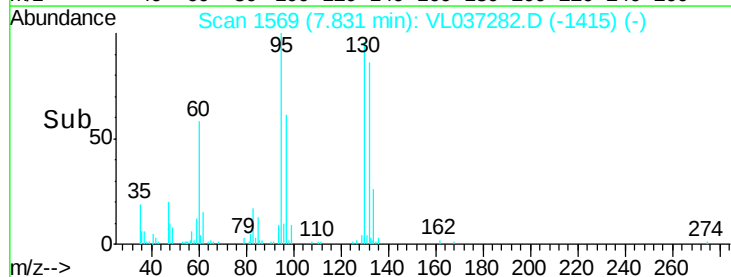
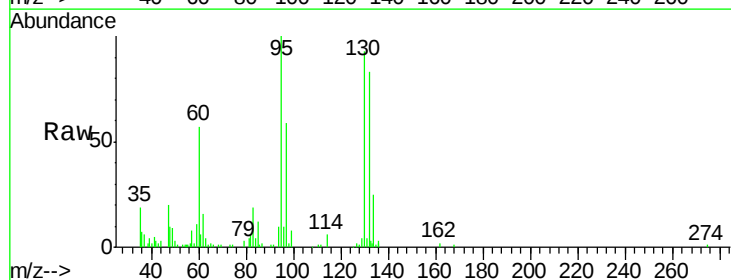
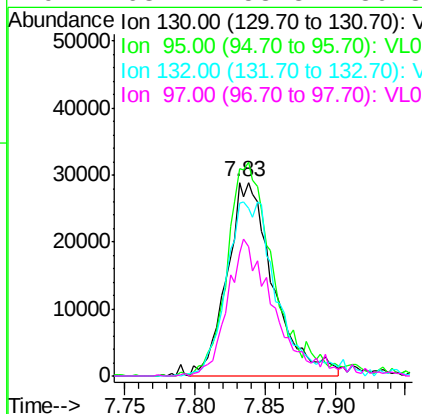
Manual Integrations
 APPROVED

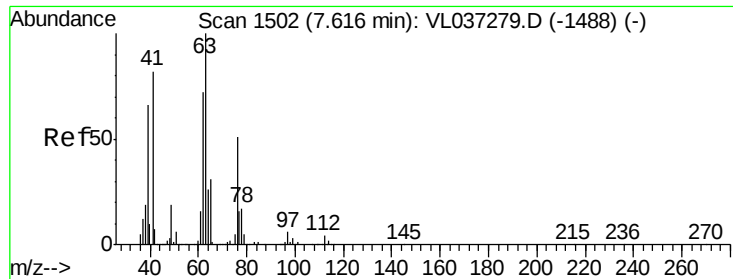
MMDadoda
 8/2/2021 9:03:36 AM



#38
 Trichloroethene
 Concen: 0.449 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	86.2	129.2
132	88.8	78.0	117.0
97	63.2	53.8	80.8





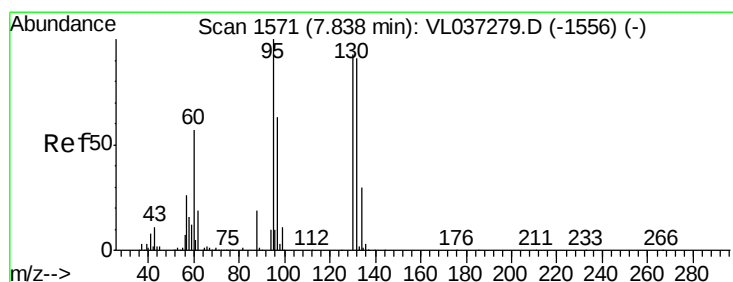
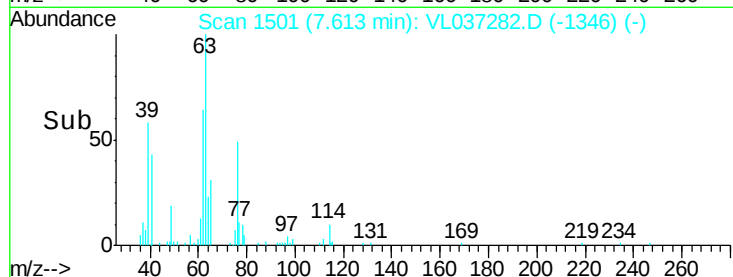
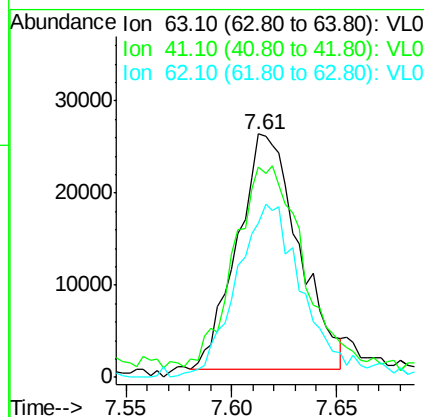
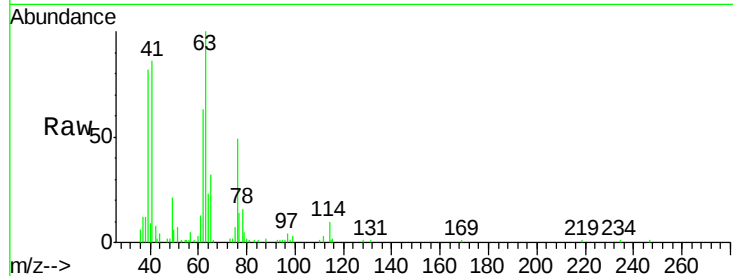
#39
 1,2-Dichloropropane
 Concen: 0.443 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.7	65.6	98.4
62	64.3	57.9	86.9

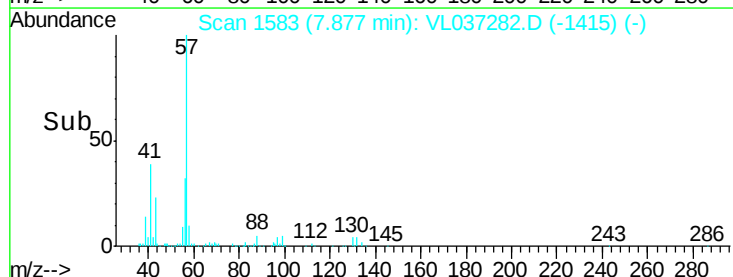
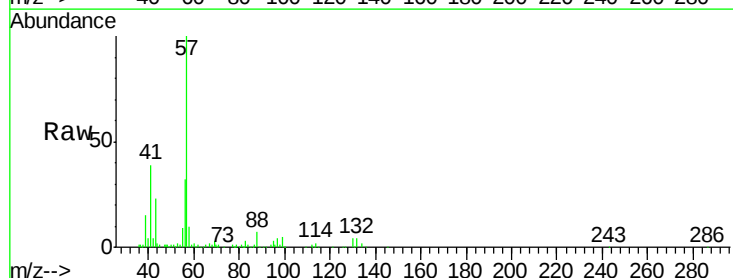
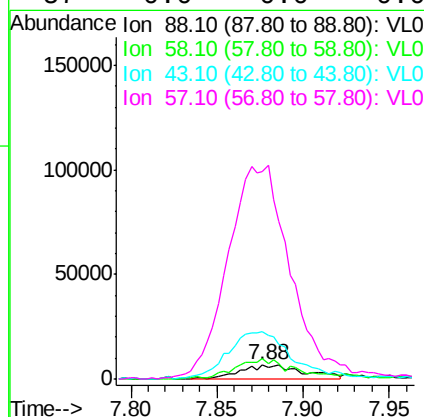
Manual Integrations
 APPROVED

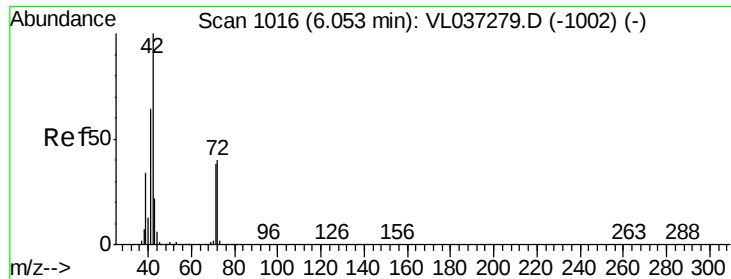
MMDadoda
 8/2/2021 9:03:36 AM



#40
 1,4-Dioxane
 Concen: 0.542 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.04 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

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





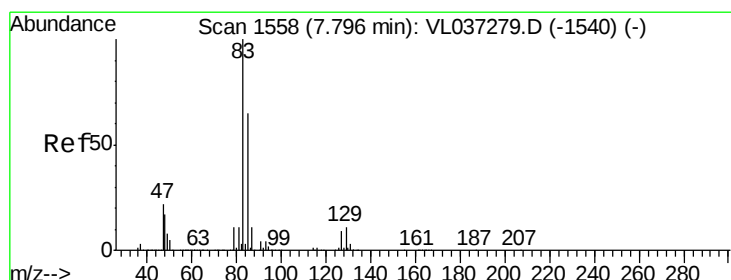
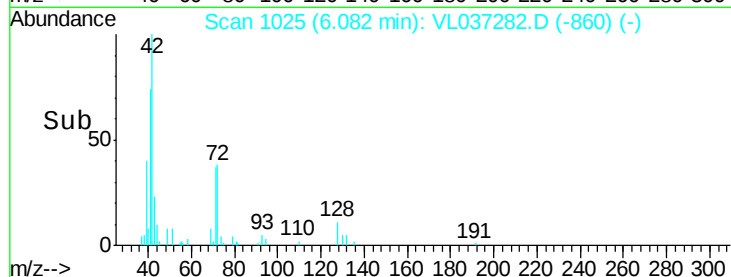
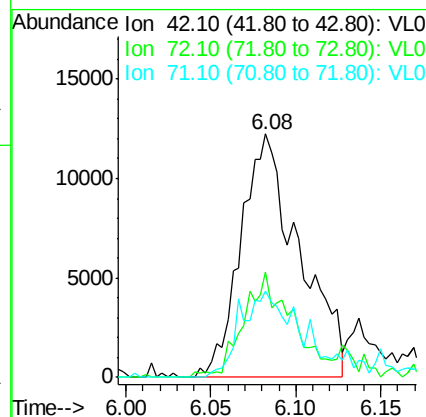
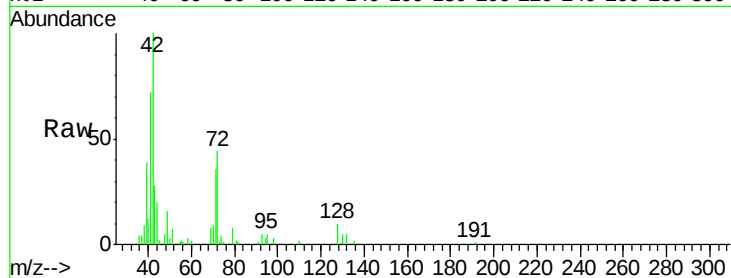
#41
Tetrahydrofuran
Concen: 0.418 ppbv m
RT: 6.08 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.4	47.0
71	43.0	31.0	46.6

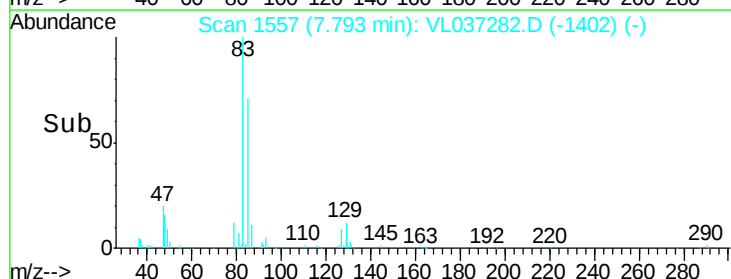
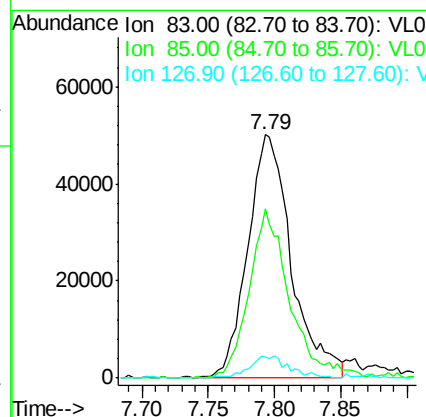
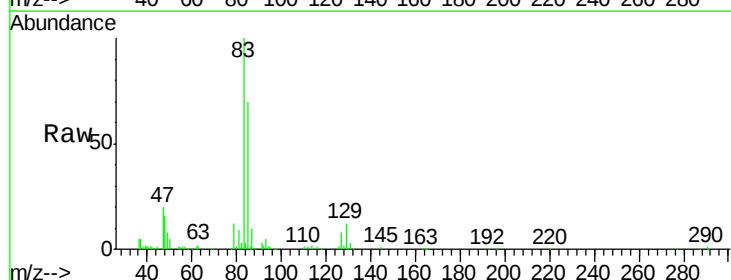
Manual Integrations
APPROVED

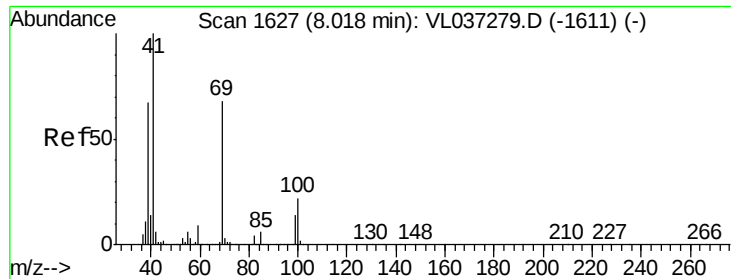
MMDadoda
8/2/2021 9:03:36 AM



#42
Bromodichloromethane
Concen: 0.459 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	51.7	77.5
127	8.4	7.4	11.0





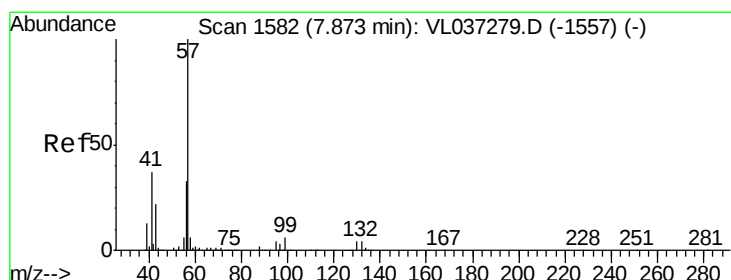
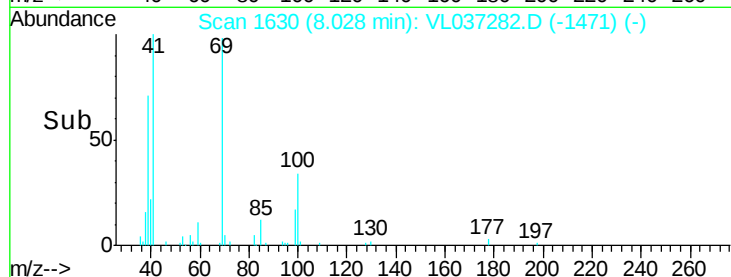
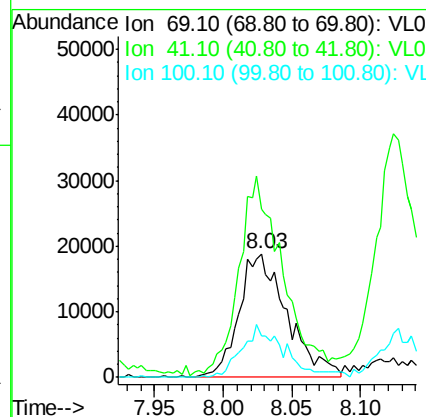
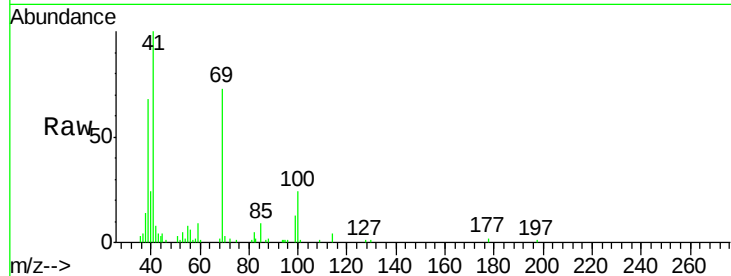
#43
Methvl Methacrylate
Concen: 0.424 ppbv m
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	121.5	182.3#
100	0.0	27.4	41.2#

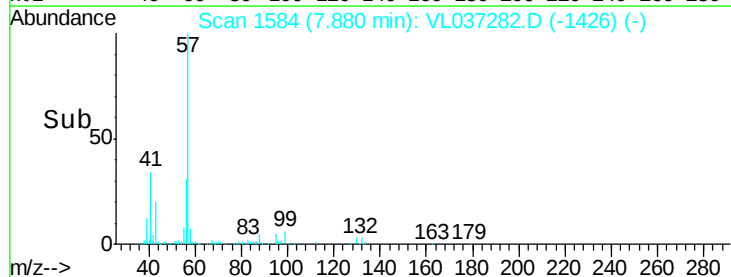
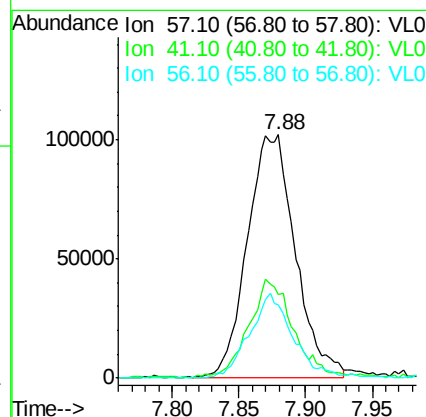
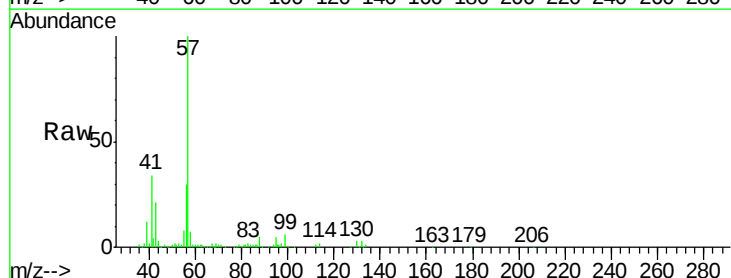
Manual Integrations
APPROVED

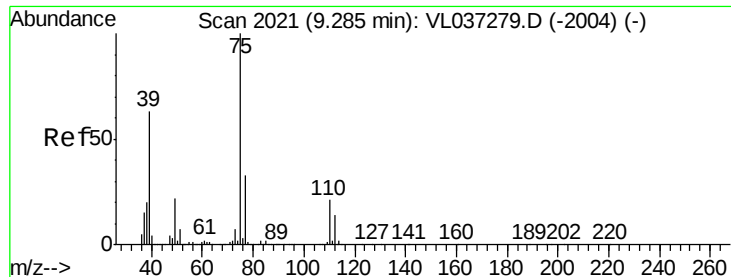
MMDadoda
8/2/2021 9:03:36 AM



#44
2,2,4-Trimethylpentane
Concen: 0.487 ppbv m
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.1	28.9	43.3
56	31.9	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 0.299 ppbv m

RT: 9.28 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 27781

Ion Ratio Lower Upper

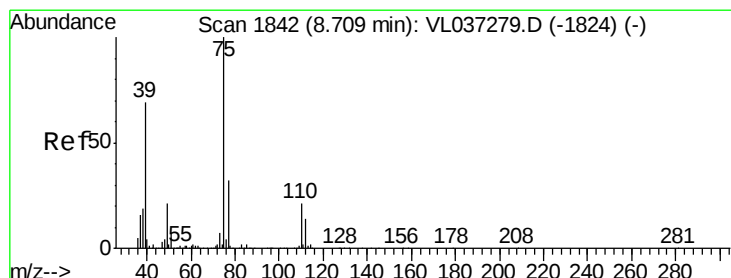
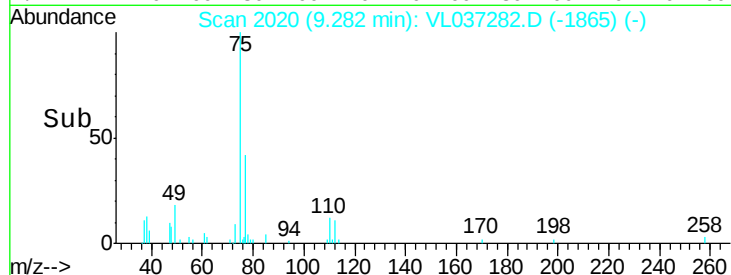
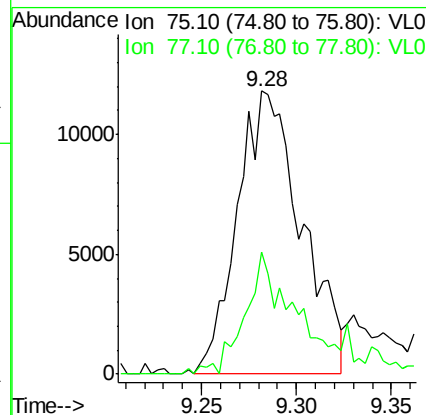
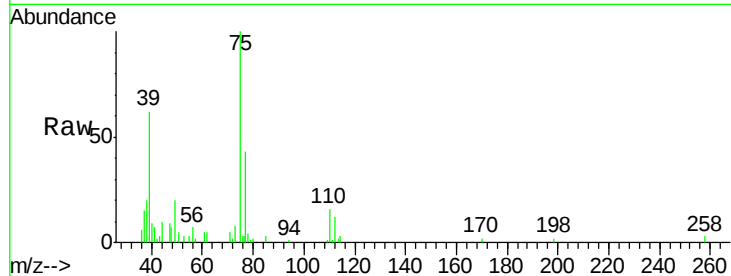
75 100

77 43.2 26.2 39.4#

Manual Integrations
APPROVED

MMDadoda

8/2/2021 9:03:36 AM



#46

cis-1,3-Dichloropropene

Concen: 0.359 ppbv m

RT: 8.71 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

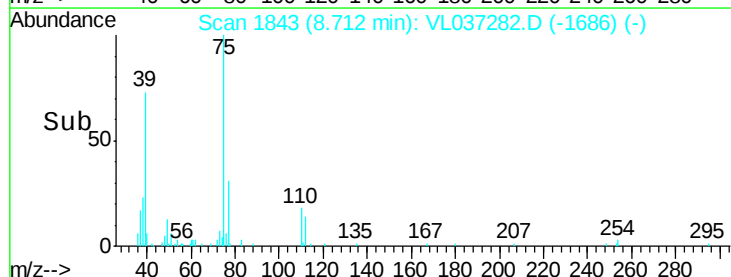
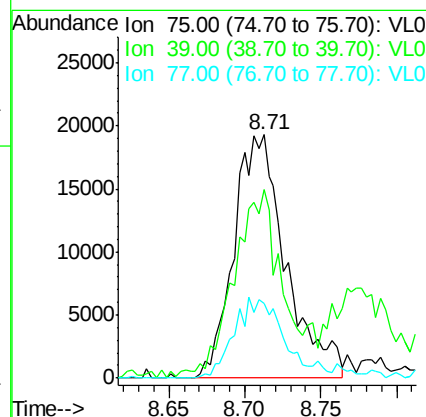
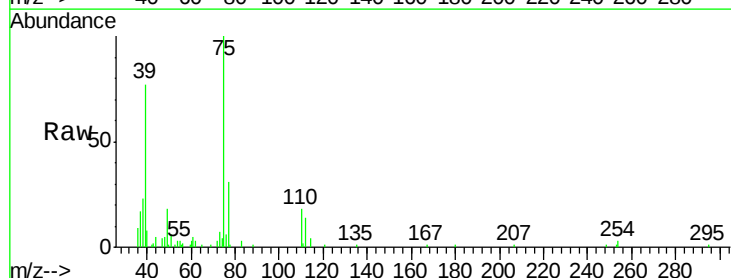
Tgt Ion: 75 Resp: 45910

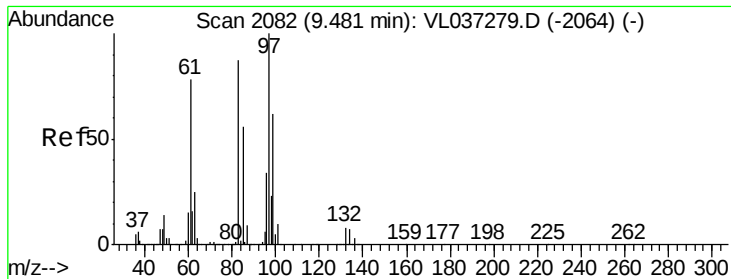
Ion Ratio Lower Upper

75 100

39 77.3 55.3 82.9

77 30.6 25.7 38.5





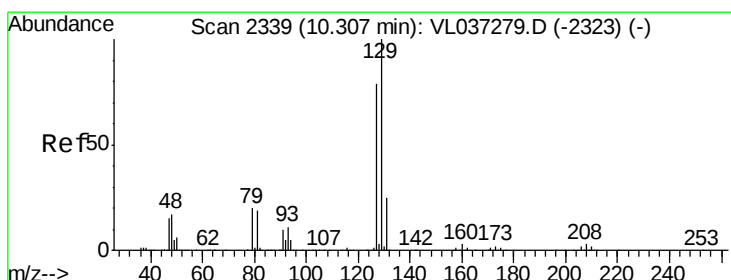
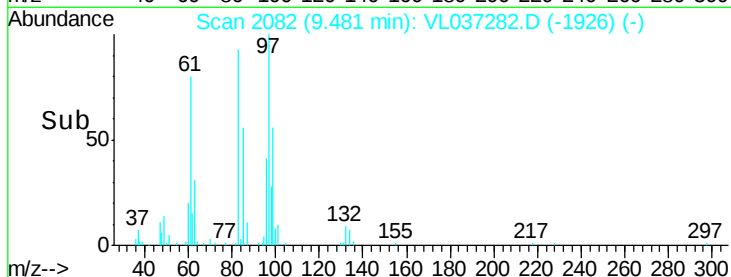
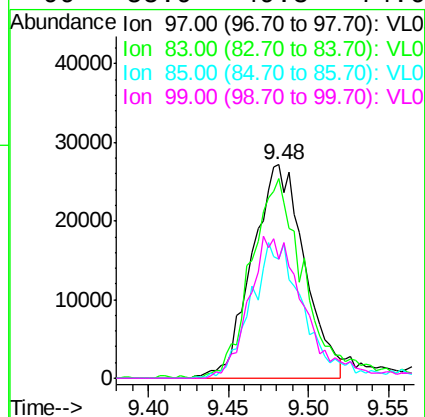
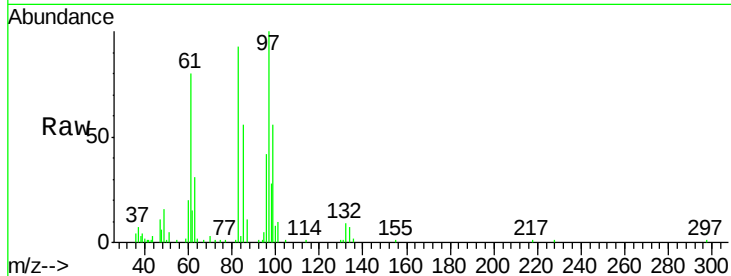
#47
 1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		61283		
83	93.3	69.8	104.8		
85	55.7	44.9	67.3		
99	55.9	49.8	74.6		

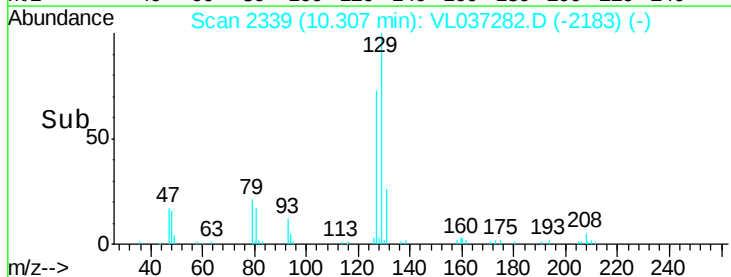
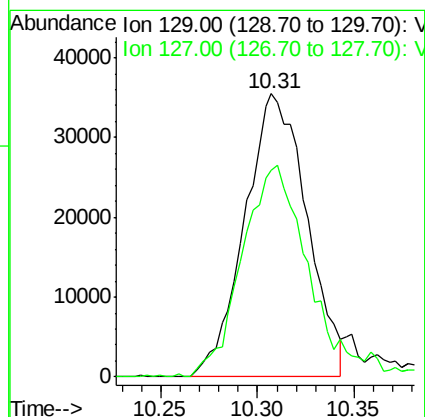
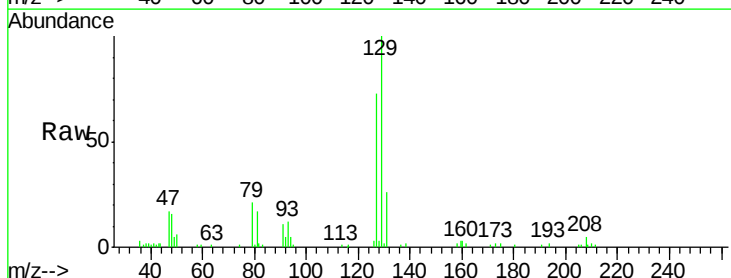
Manual Integrations
 APPROVED

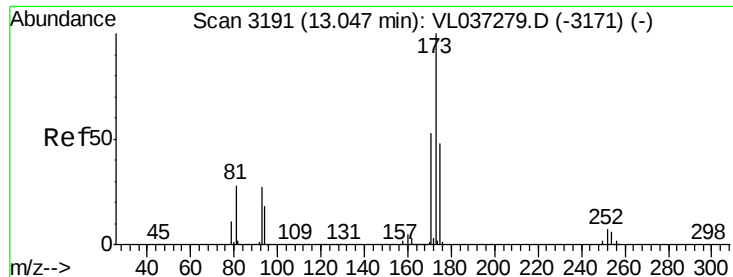
MMDadoda
 8/2/2021 9:03:36 AM



#48
 Dibromochloromethane
 Concen: 0.376 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		79353		
127	84.4	39.3	117.8		





#49

Bromoform

Concen: 0.352 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

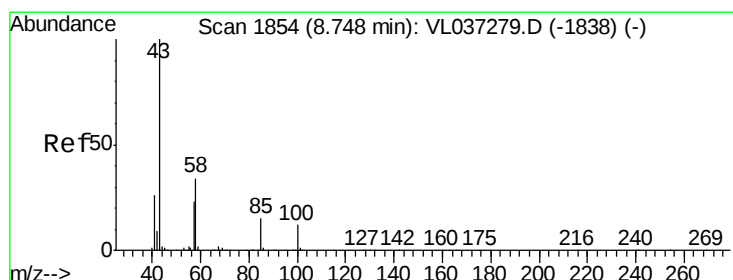
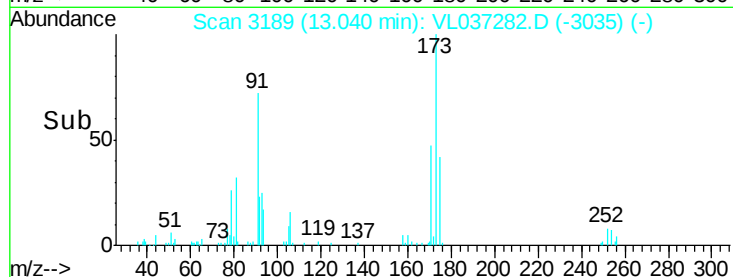
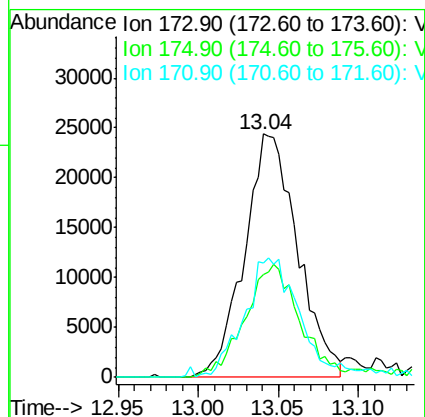
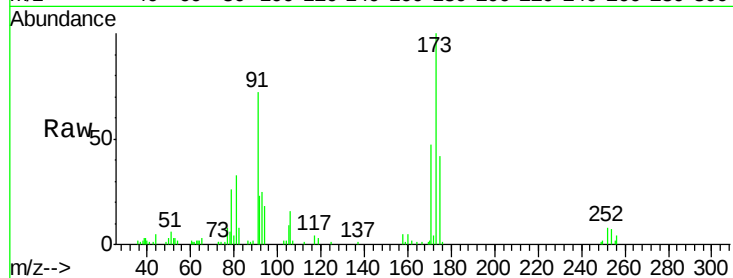
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	55946
Ion Ratio	Lower	Upper	
173	100		
175	50.9	39.7	59.5
171	51.8	41.9	62.9

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#50

4-Methyl-2-Pentanone

Concen: 0.436 ppbv m

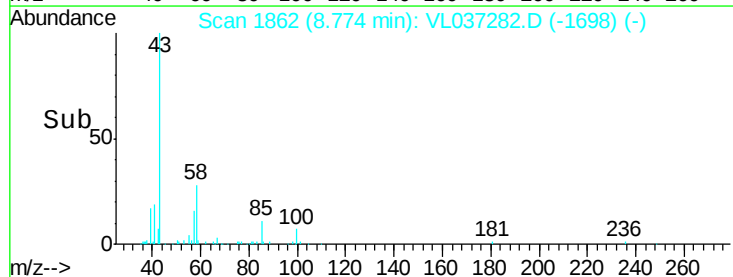
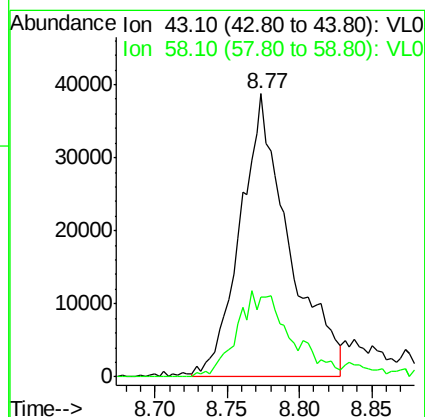
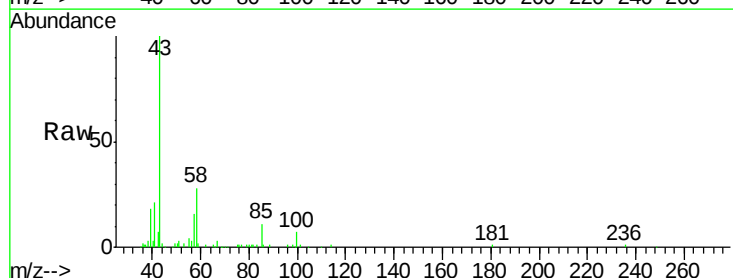
RT: 8.77 min Scan# 1862

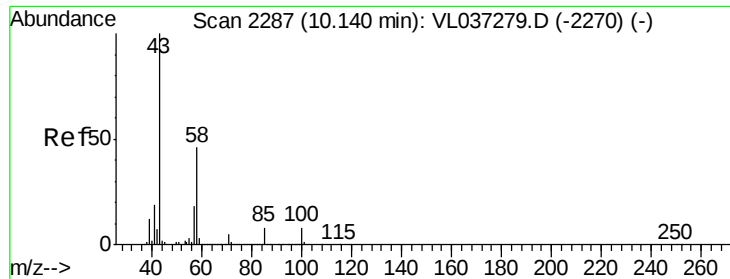
Delta R.T. 0.03 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion:	43	Resp:	91247
Ion Ratio	Lower	Upper	
43	100		
58	35.7	28.1	42.1





#51

2-Hexanone

Concen: 0.402 ppbv m

RT: 10.17 min Scan# 2296

Delta R.T. 0.03 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

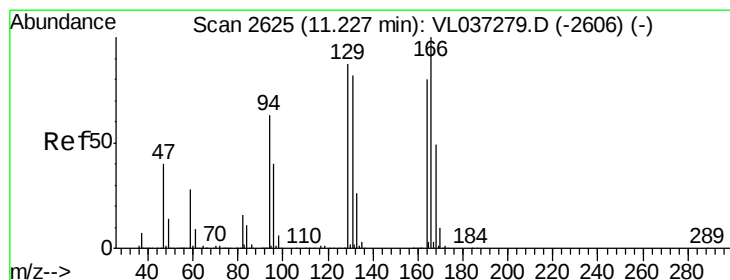
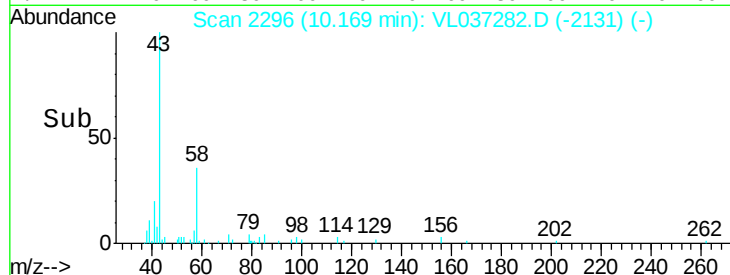
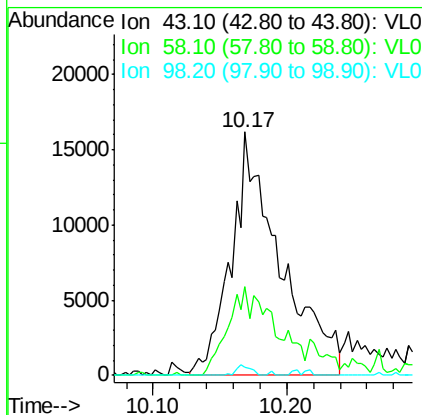
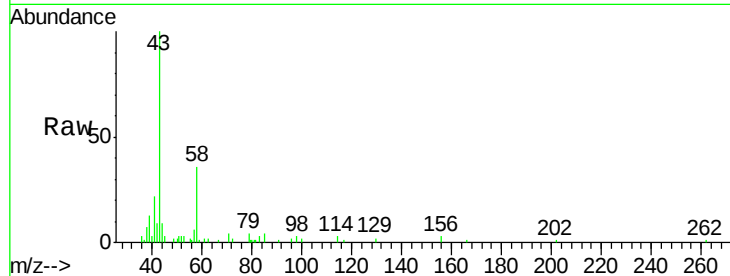
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	41144
Ion Ratio	Lower	Upper	
43	100		
58	0.0	37.1	55.7#
98	0.0	0.4	0.6#

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#52

Tetrachloroethene

Concen: 0.437 ppbv

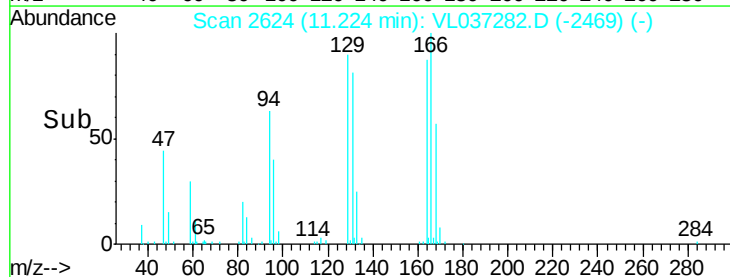
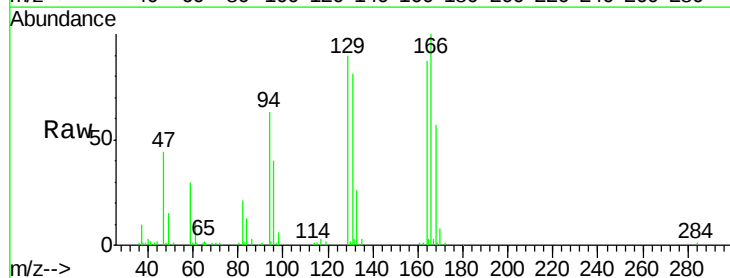
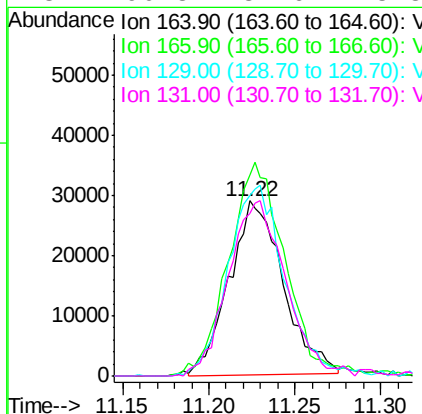
RT: 11.22 min Scan# 2624

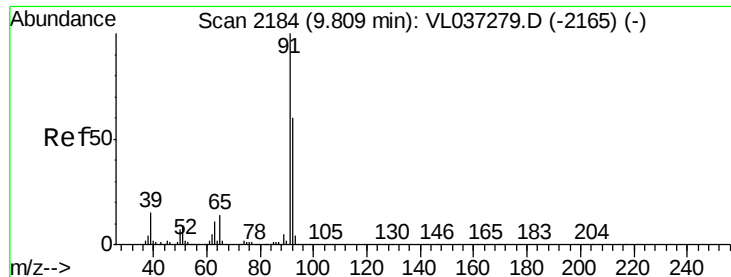
Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion:	164	Resp:	63174
Ion Ratio	Lower	Upper	
164	100		
166	110.5	100.6	151.0
129	101.1	87.8	131.6
131	90.8	82.6	123.8





#53

Toluene

Concen: 0.427 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 159548

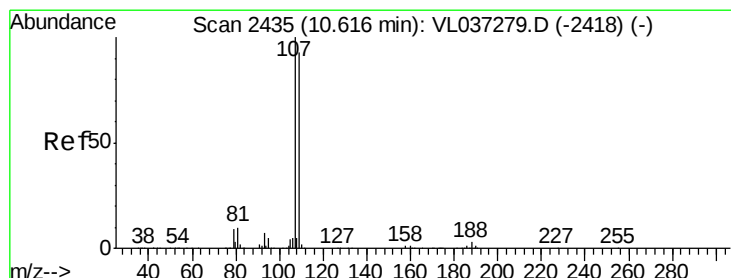
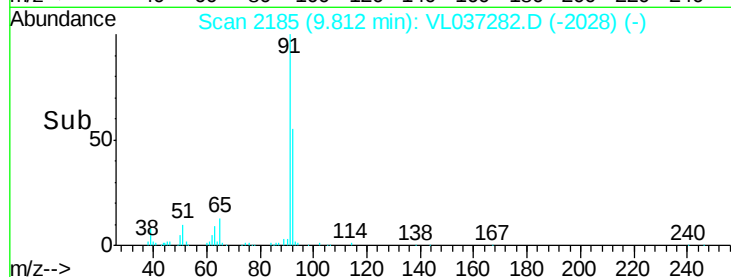
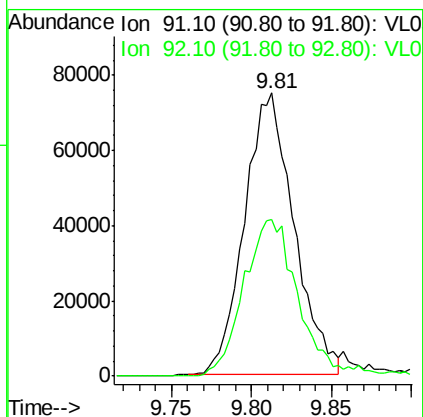
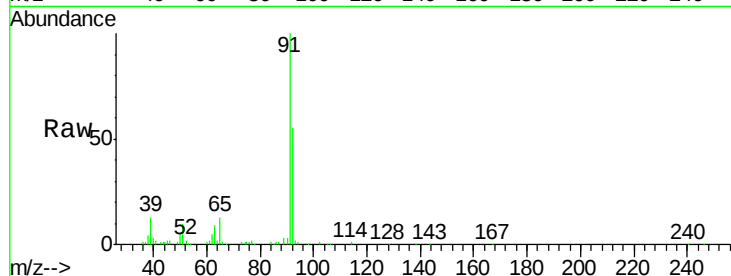
Ion Ratio Lower Upper

91 100

92 61.8 48.1 72.1

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#54

1,2-Dibromoethane

Concen: 0.470 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037282.D

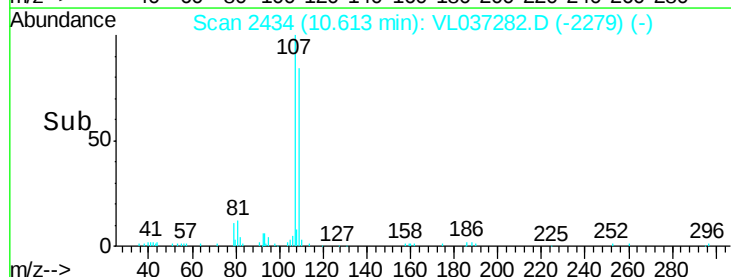
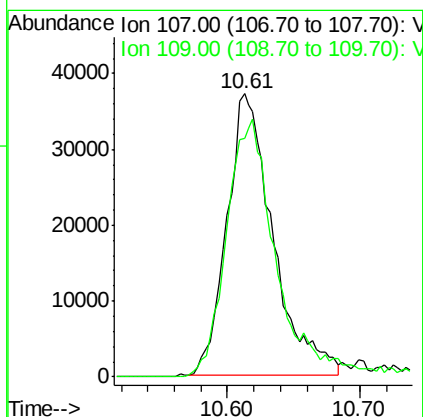
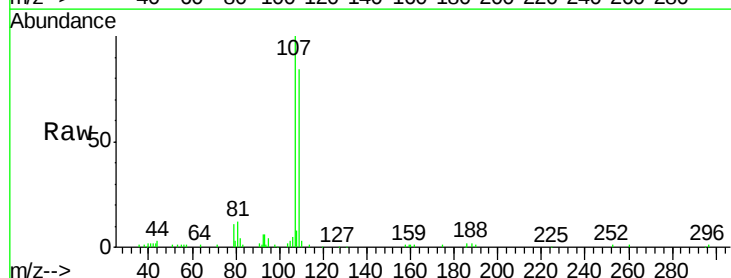
Acq: 27 Jul 2021 4:31

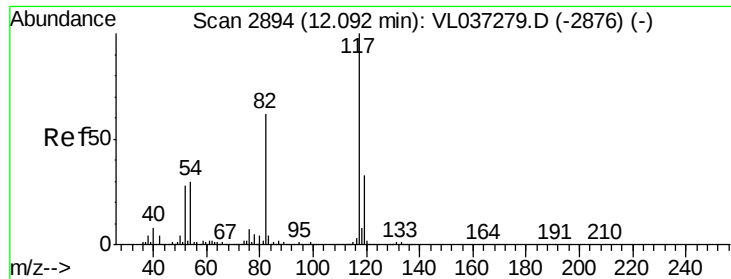
Tgt Ion: 107 Resp: 89804

Ion Ratio Lower Upper

107 100

109 83.9 74.2 111.4





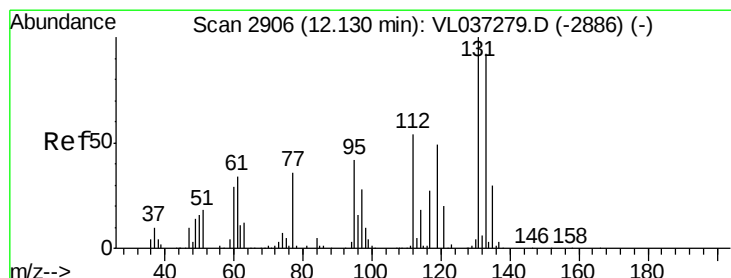
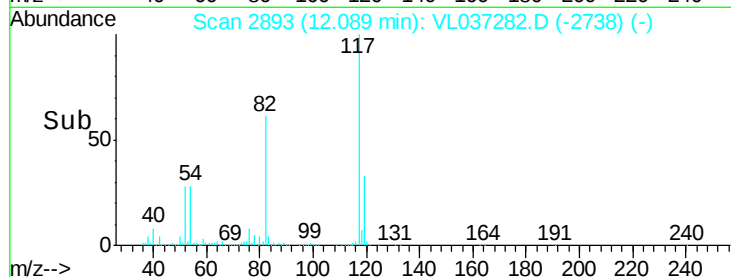
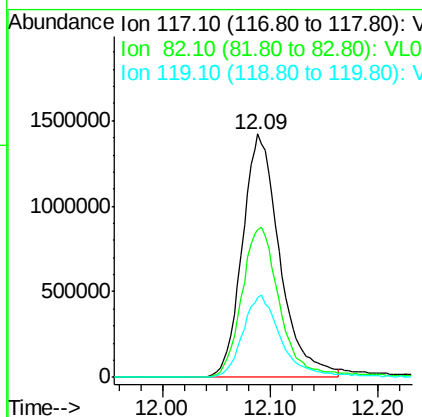
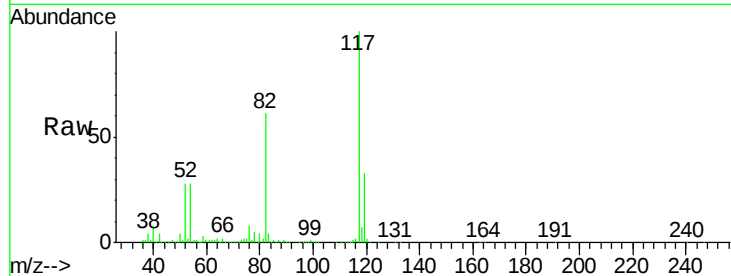
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.2	52.3	78.5
119	35.6	26.5	39.7

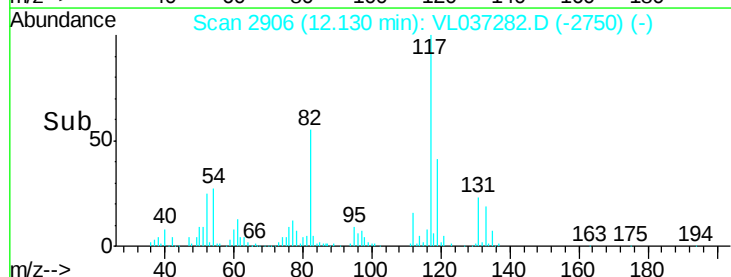
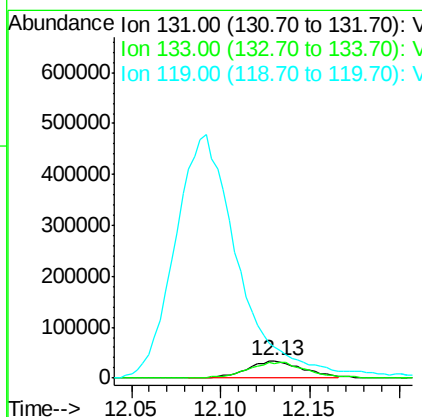
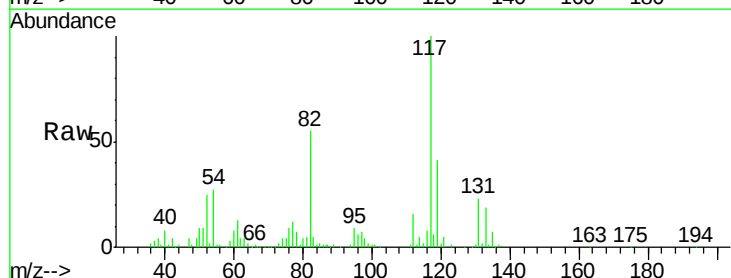
Manual Integrations
APPROVED

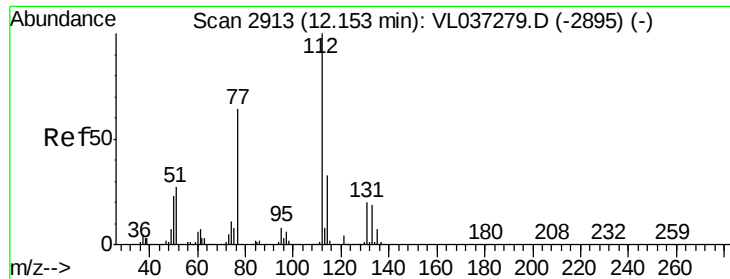
MMDadoda
8/2/2021 9:03:36 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.488 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.2	76.4	114.6
119	1631.7	106.1	159.1#





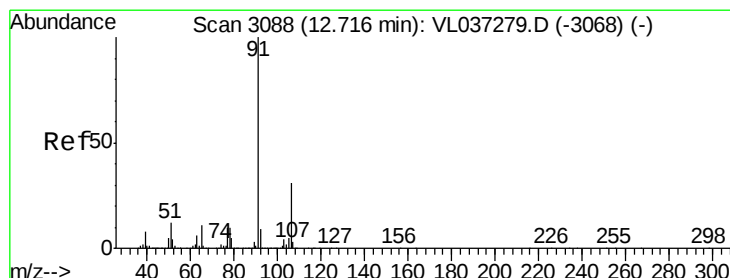
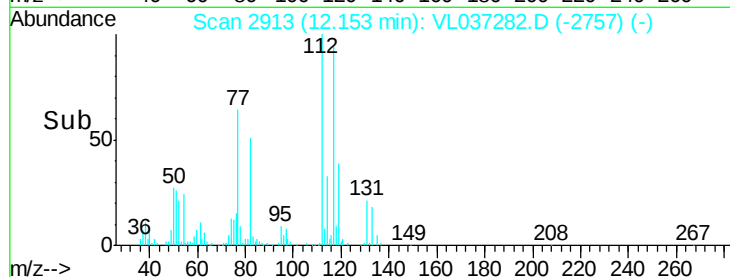
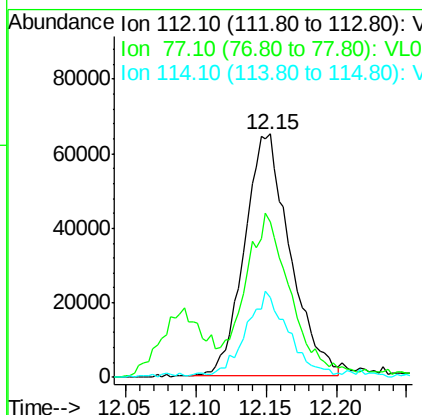
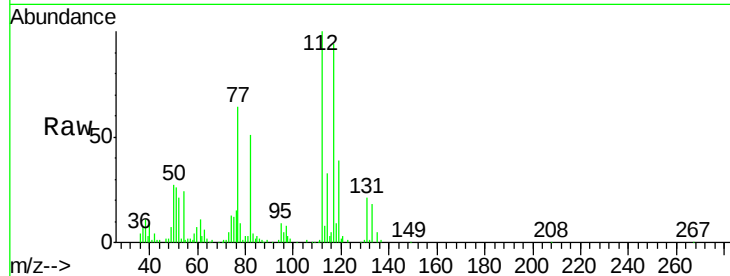
#57
Chlorobenzene
Concen: 0.525 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.2	51.7	77.5
114	32.0	29.3	35.9

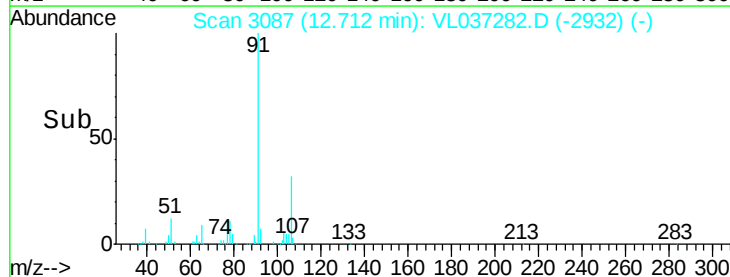
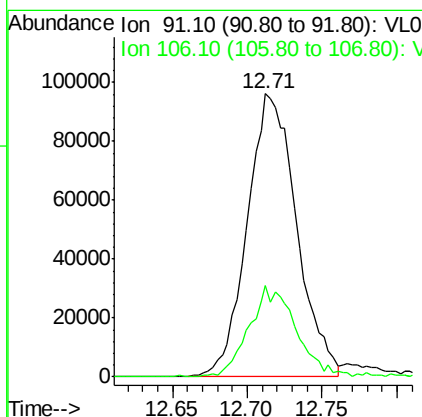
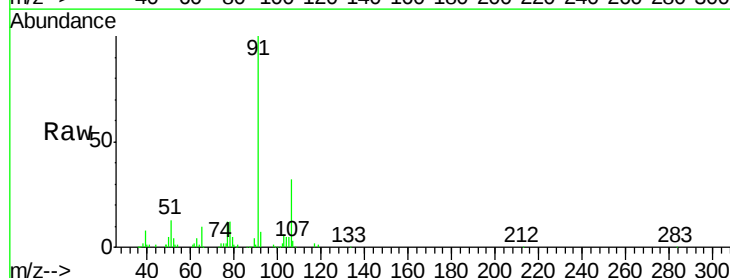
Manual Integrations
APPROVED

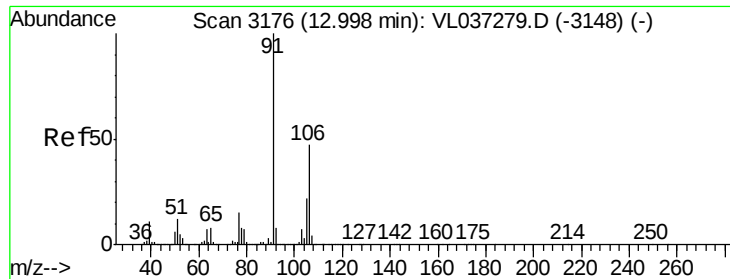
MMDadoda
8/2/2021 9:03:36 AM



#58
Ethyl Benzene
Concen: 0.463 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	24.5	36.7





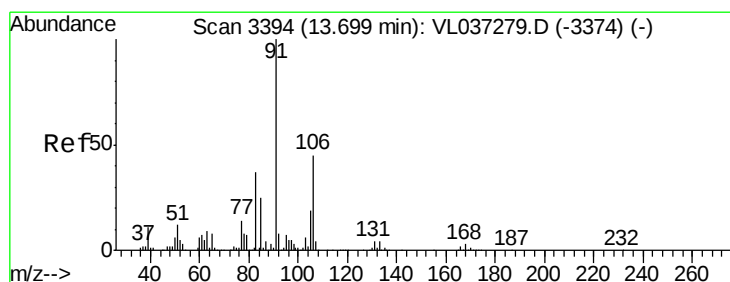
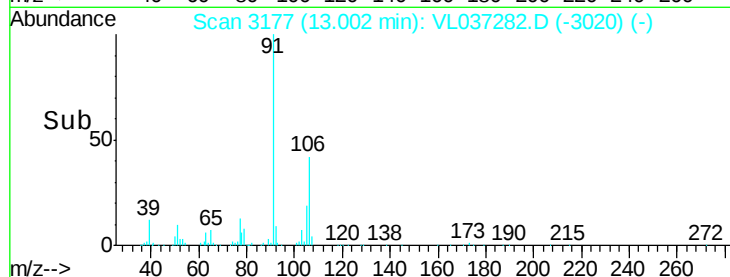
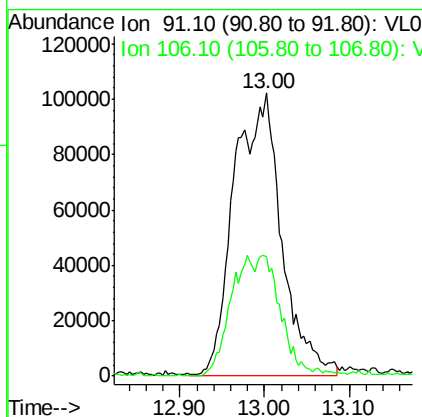
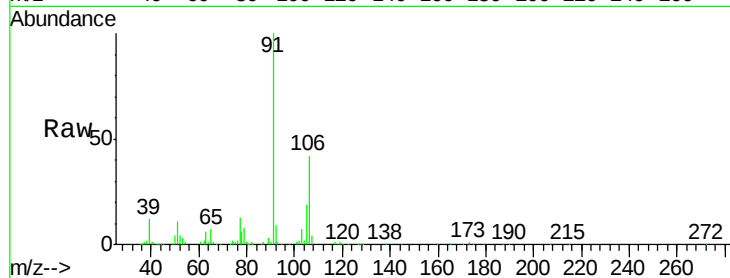
#59
m/p-Xylene
Concen: 0.985 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 399013
Ion Ratio Lower Upper
91 100
106 44.1 36.2 54.2

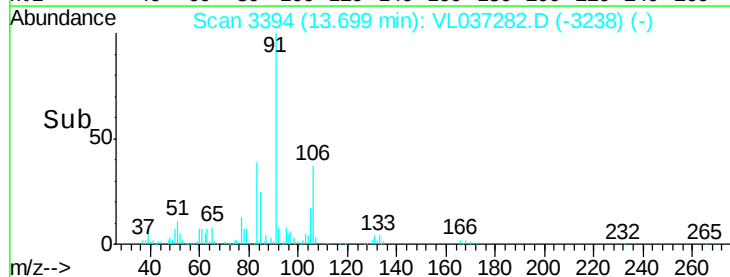
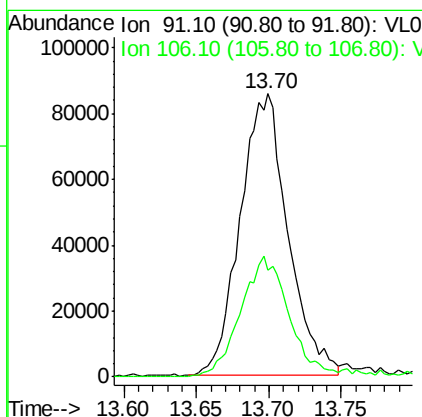
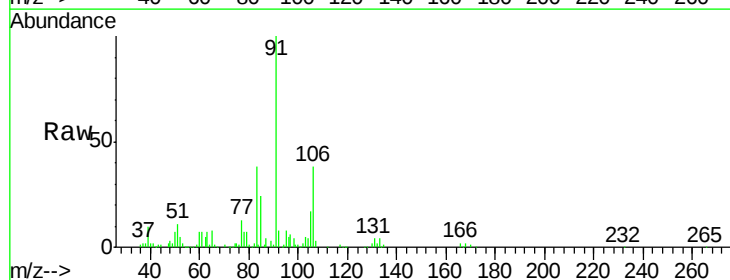
Manual Integrations
APPROVED

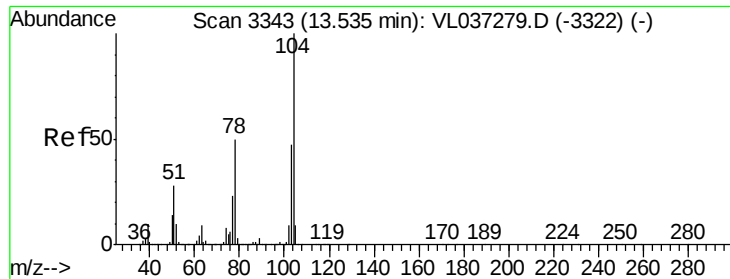
MMDadoda
8/2/2021 9:03:36 AM



#60
o-Xylene
Concen: 0.506 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 91 Resp: 195814
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.8





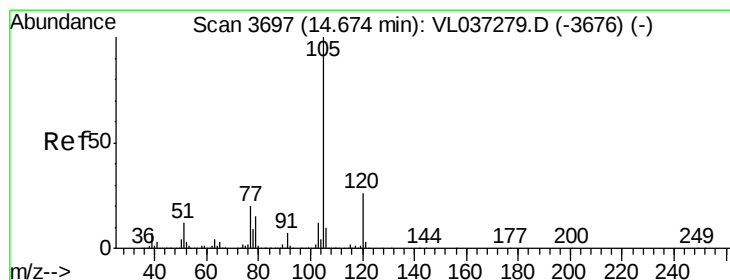
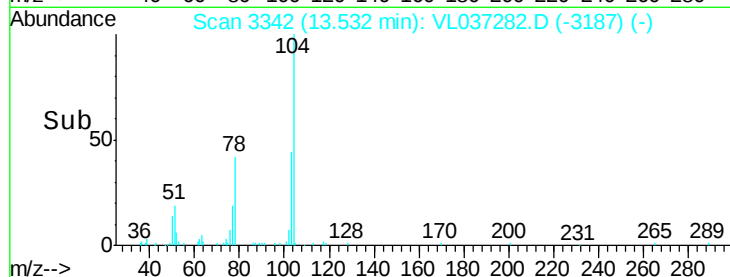
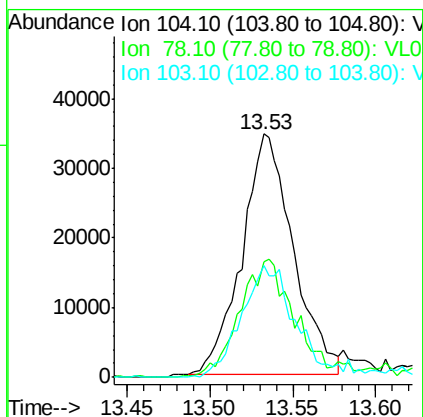
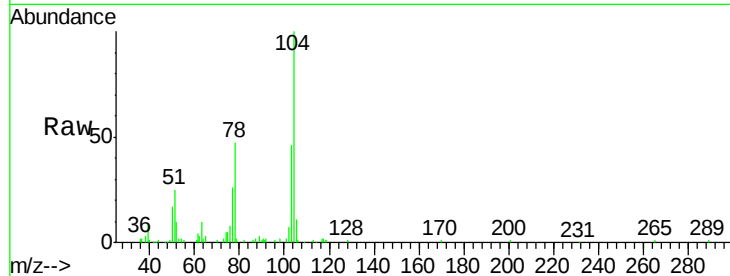
#61
Stvrene
Concen: 0.378 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	41.8	62.6
103	51.5	38.6	58.0

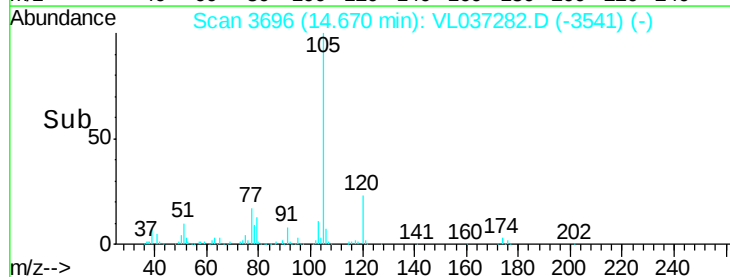
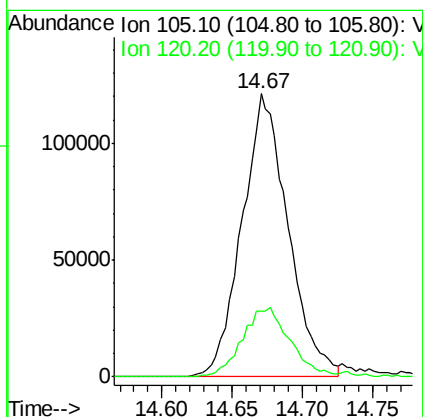
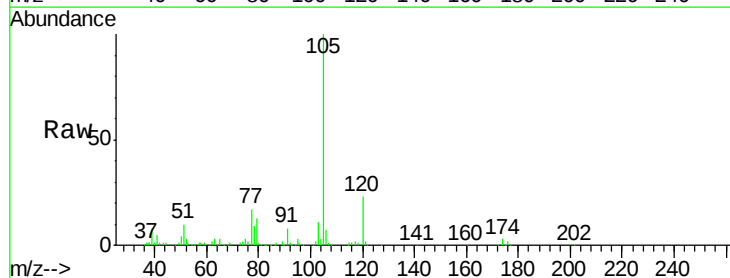
Manual Integrations
APPROVED

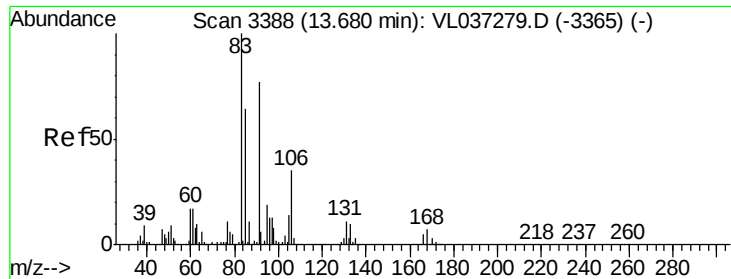
MMDadoda
8/2/2021 9:03:36 AM



#62
Isopropylbenzene
Concen: 0.503 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.3	31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.535 ppbv m

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

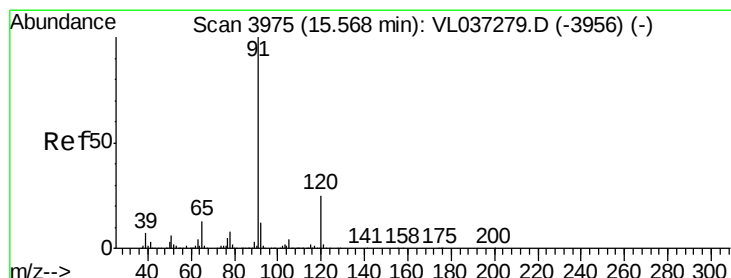
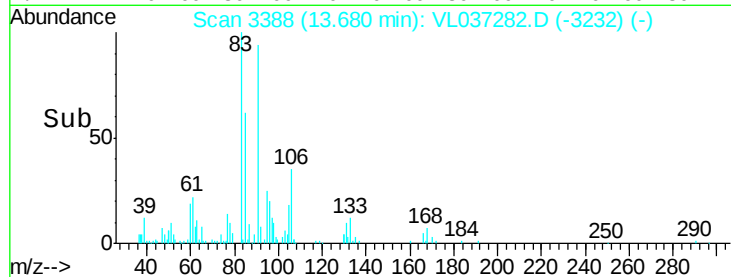
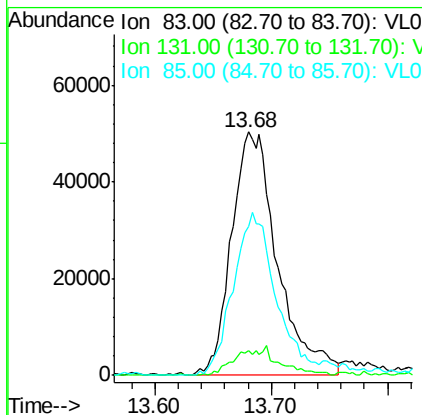
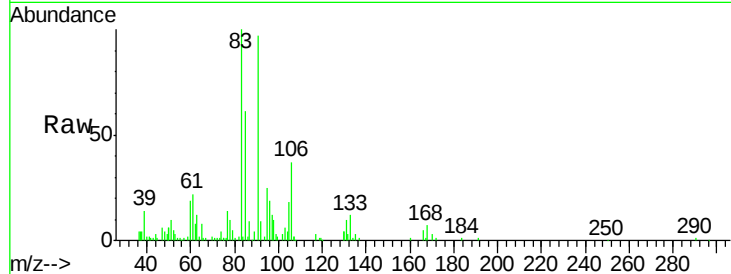
ClientSampleId :

VSTDIC0.5

Tot Ion	83	Resp	138101
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.4	16.2#
85	65.6	33.4	100.2

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#64

n-propylbenzene

Concen: 0.448 ppbv

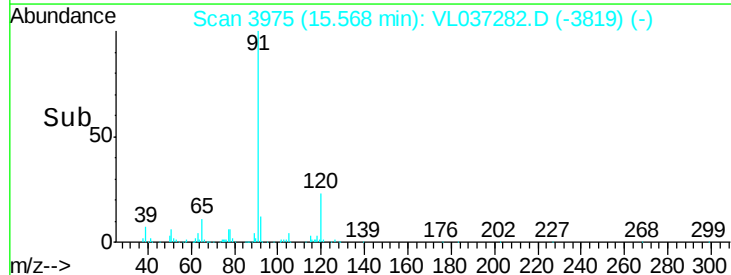
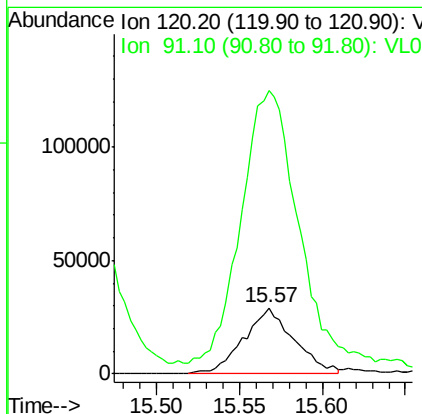
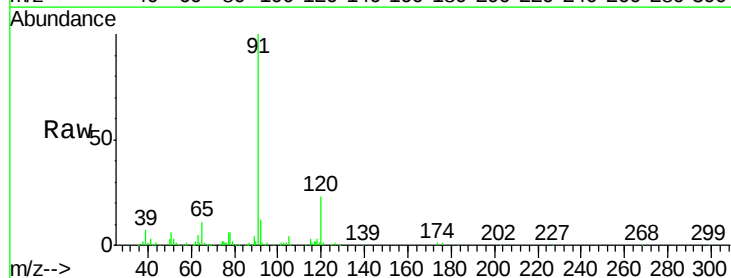
RT: 15.57 min Scan# 3975

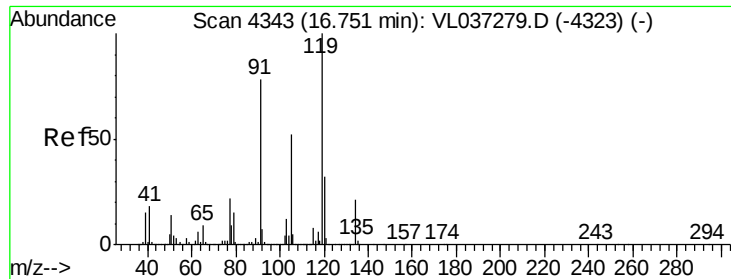
Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion	120	Resp	61512
Ion Ratio	Lower	Upper	
120	100		
91	536.2	353.8	530.8#





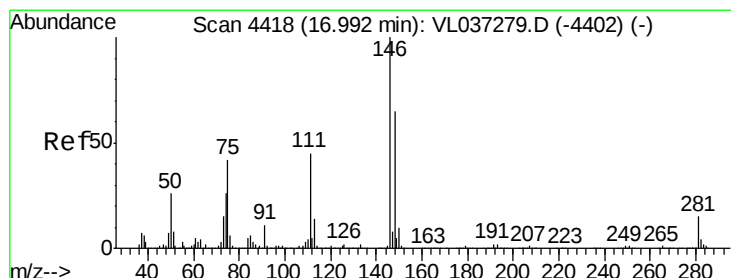
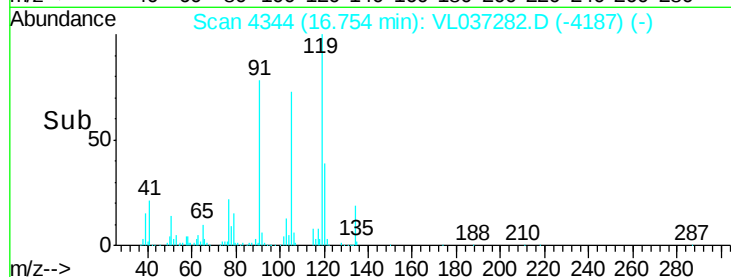
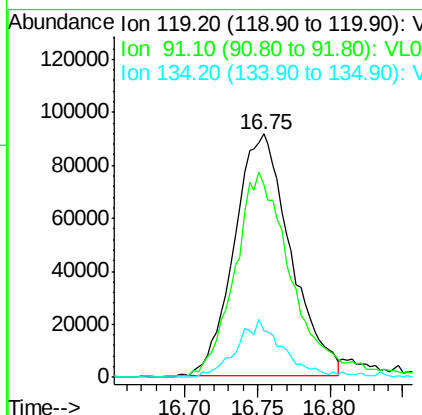
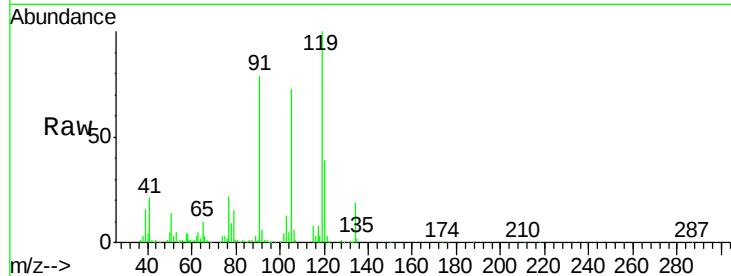
#65
tert-Butylbenzene
Concen: 0.501 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245736		
91	87.1	63.4	95.0	
134	20.9	16.1	24.1	

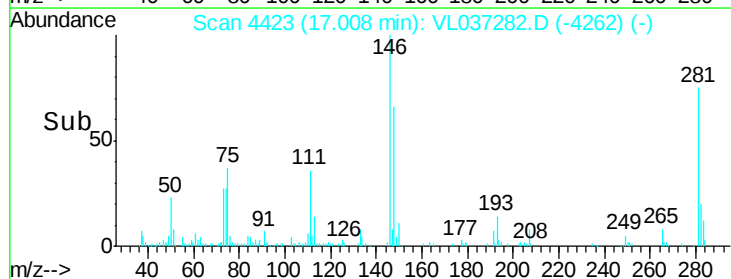
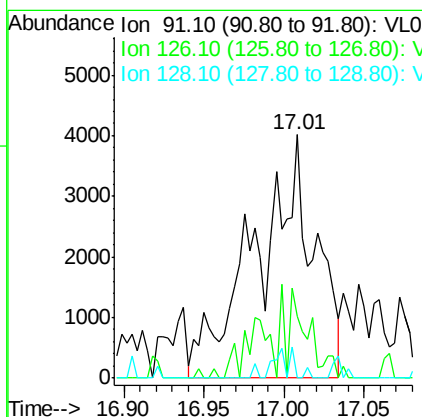
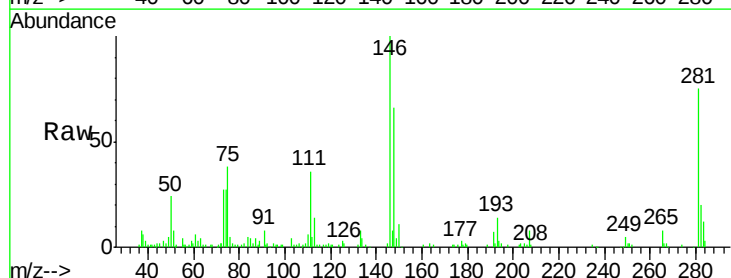
Manual Integrations
APPROVED

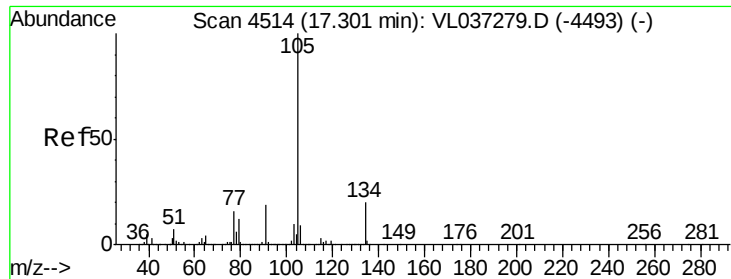
MMDadoda
8/2/2021 9:03:36 AM



#66
Benzyl Chloride
Concen: 0.483 ppbv m
RT: 17.01 min Scan# 4423
Delta R.T. 0.02 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	10091		
126	0.0	13.4	20.2#	
128	3.2	4.5	6.7#	





#67

sec-Butylbenzene

Concen: 0.482 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 314850

Ion Ratio Lower Upper

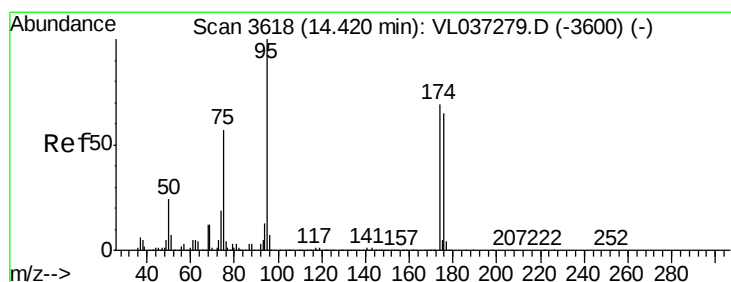
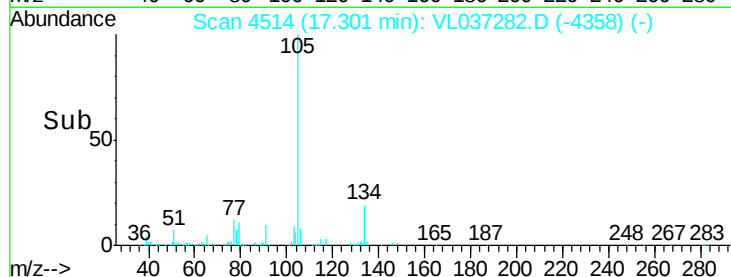
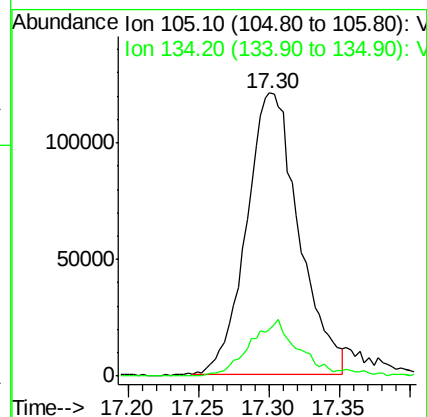
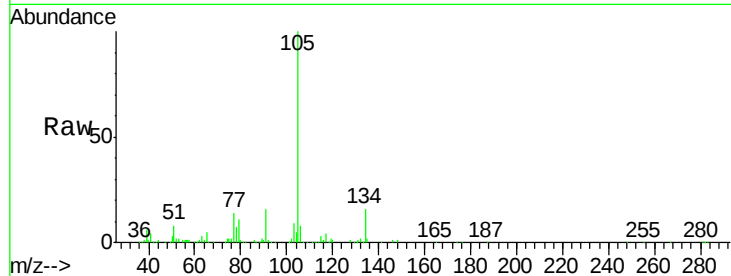
105 100

134 19.3 15.8 23.6

Manual Integrations
APPROVED

MMDadoda

8/2/2021 9:03:36 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.227 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

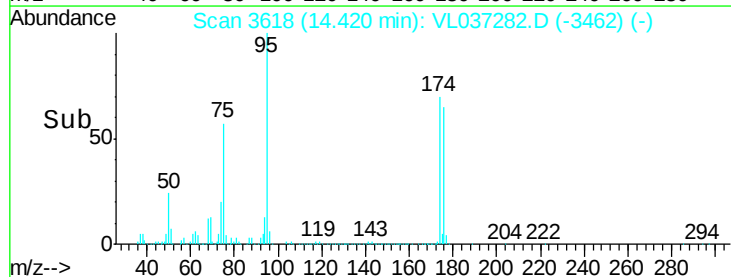
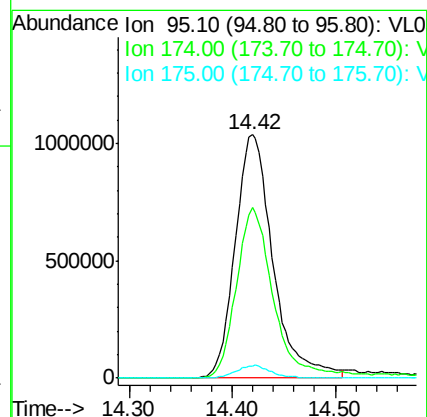
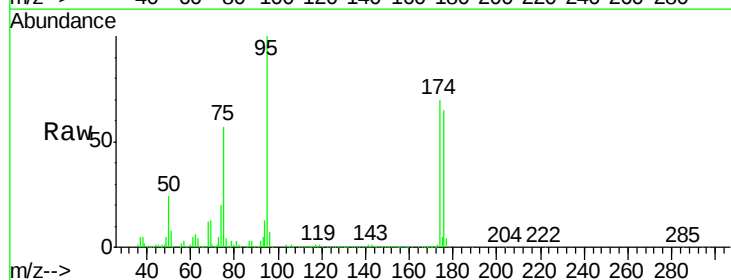
Tgt Ion: 95 Resp: 2656927

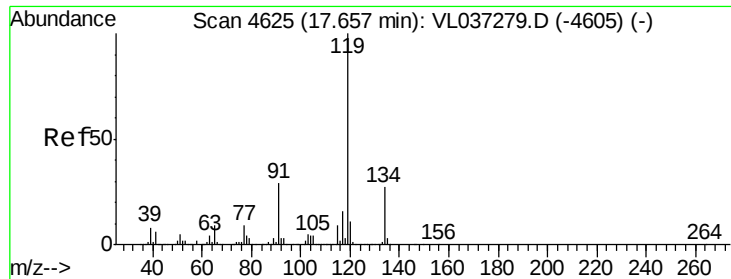
Ion Ratio Lower Upper

95 100

174 71.8 56.3 84.5

175 5.1 4.3 6.5





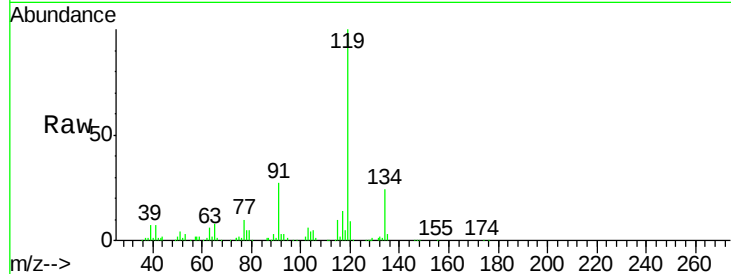
#69
p-Isopropyltoluene
Concen: 0.477 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

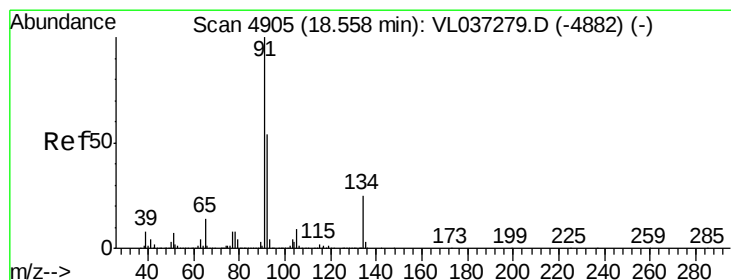
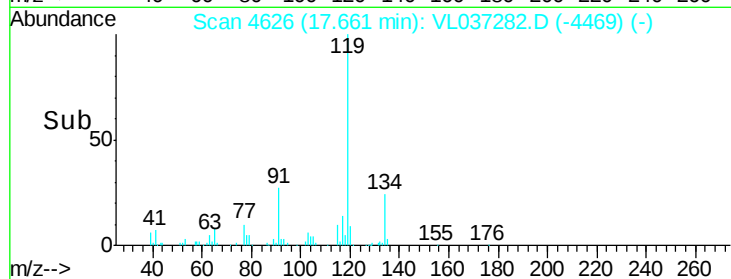
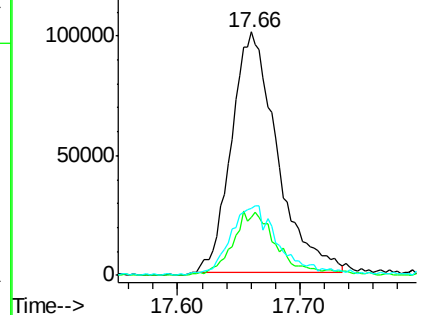
Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	26.3	20.6	31.0
91	31.3	23.0	34.4

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM

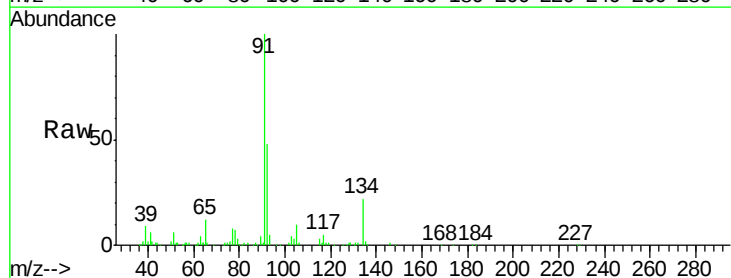


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

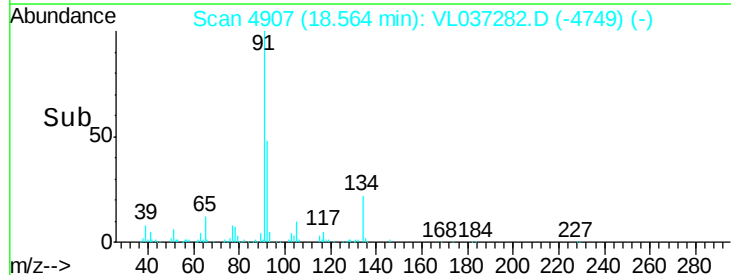
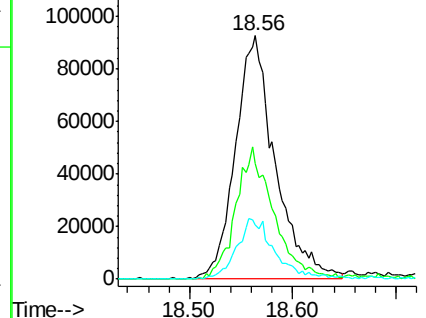


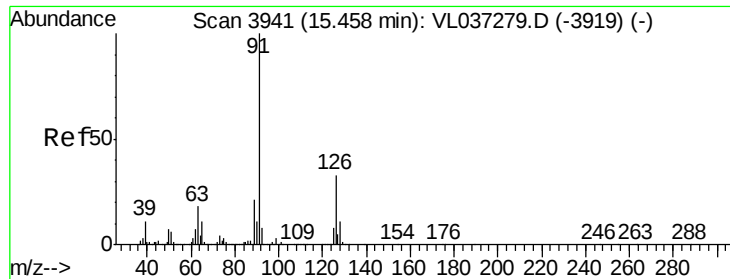
#70
n-Butylbenzene
Concen: 0.489 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
92	53.4	43.4	65.2
134	23.9	19.6	29.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





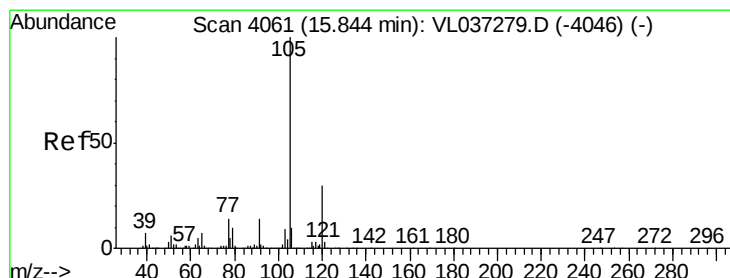
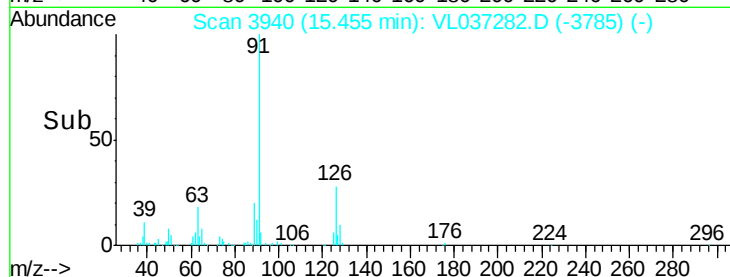
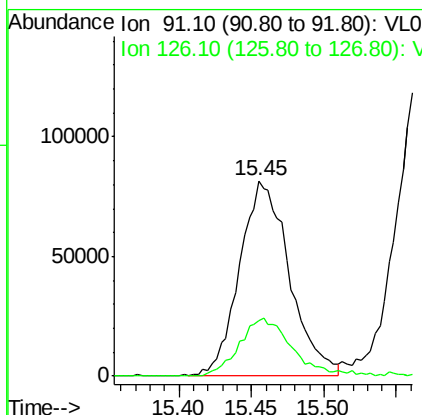
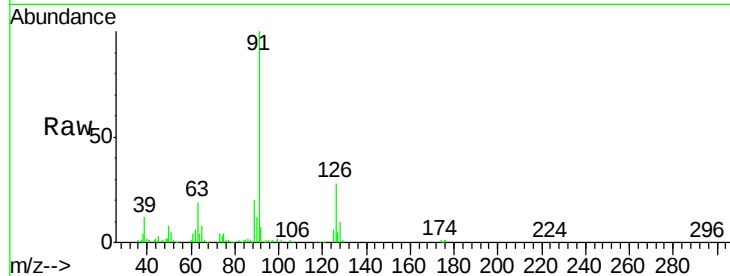
#71
2-Chlorotoluene
Concen: 0.502 ppbv
RT: 15.45 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.9	13.1	52.3

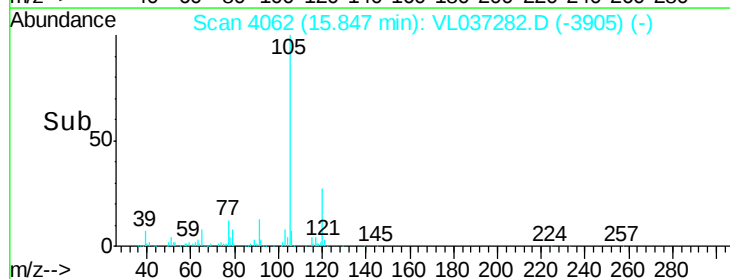
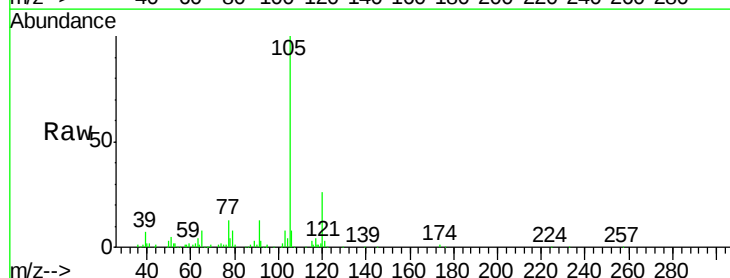
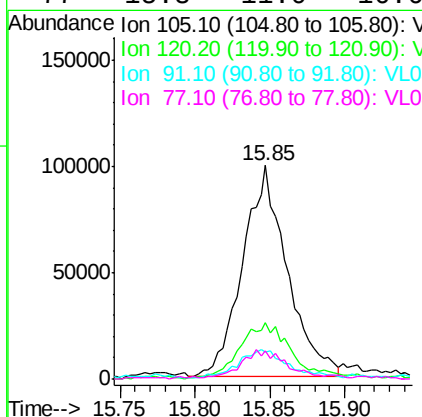
Manual Integrations
APPROVED

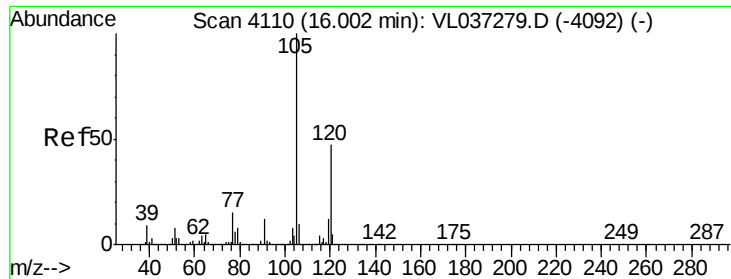
MMDadoda
8/2/2021 9:03:36 AM



#72
4-Ethyltoluene
Concen: 0.467 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.7	24.3	36.5
91	14.0	10.5	15.7
77	15.8	11.0	16.6





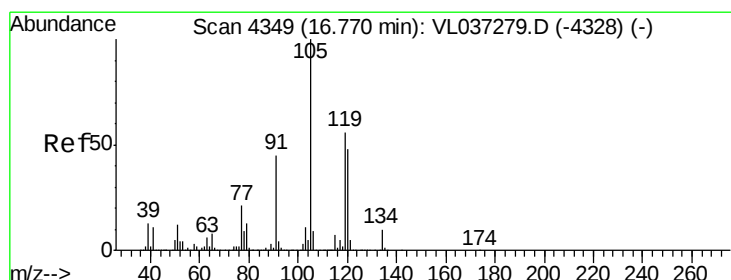
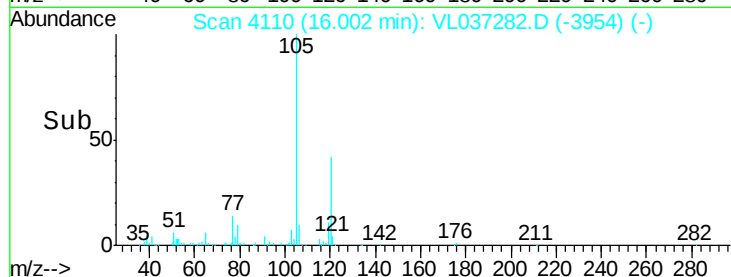
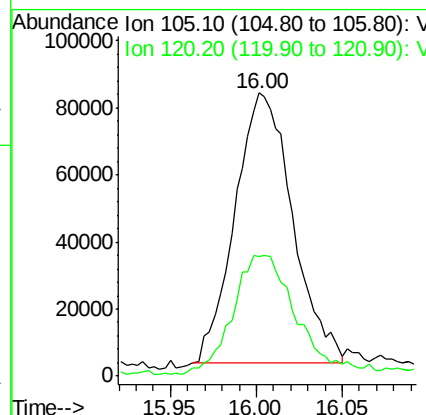
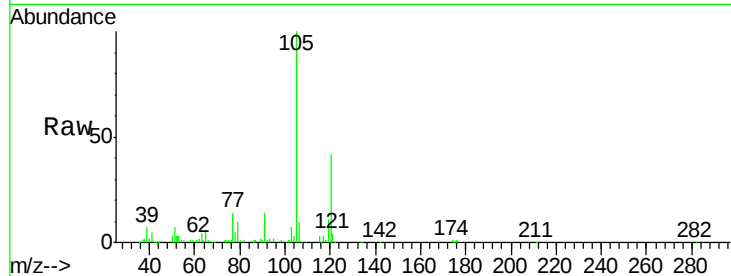
#73
 1,3,5-Trimethylbenzene
 Concen: 0.439 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.6	37.7	56.5

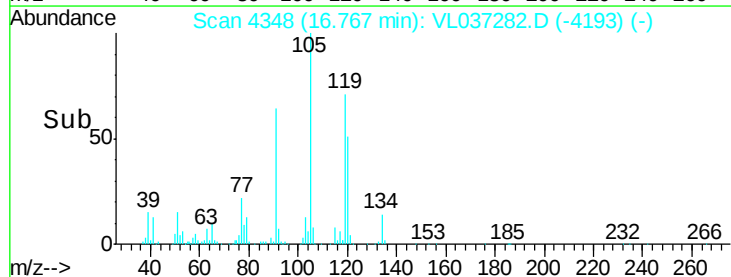
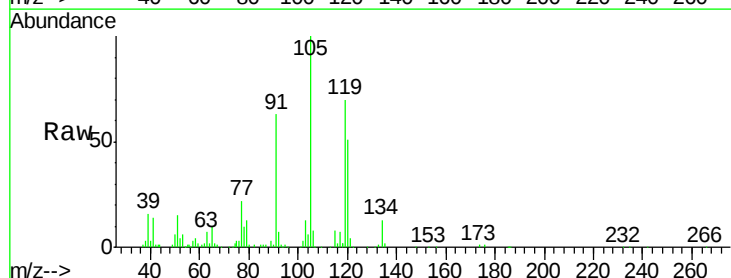
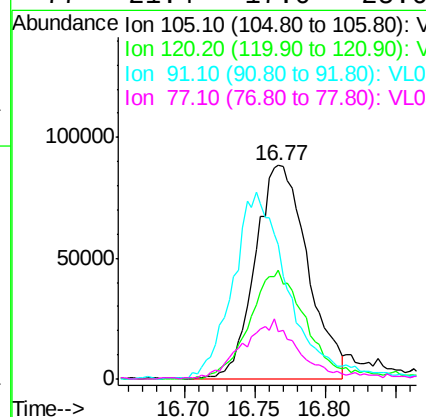
Manual Integrations
 APPROVED

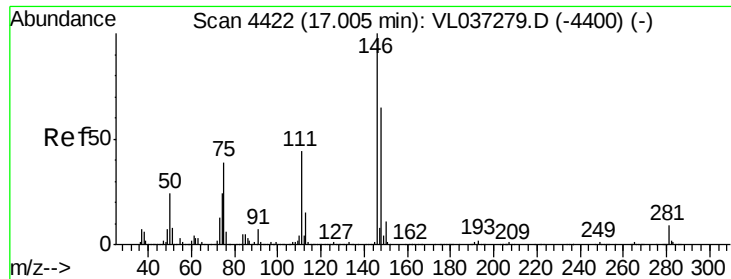
MMDadoda
 8/2/2021 9:03:36 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.523 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.9	38.2	57.4
91	60.2	36.2	54.2
77	21.4	17.0	25.6





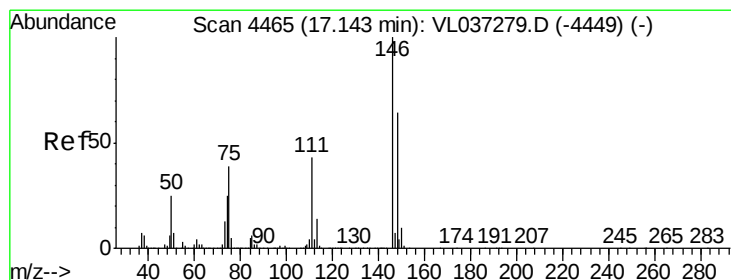
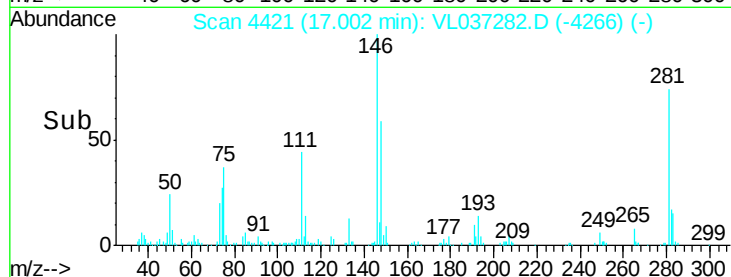
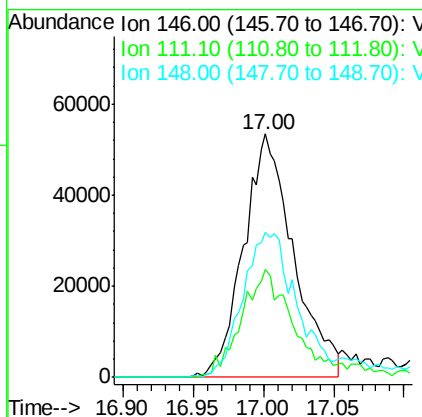
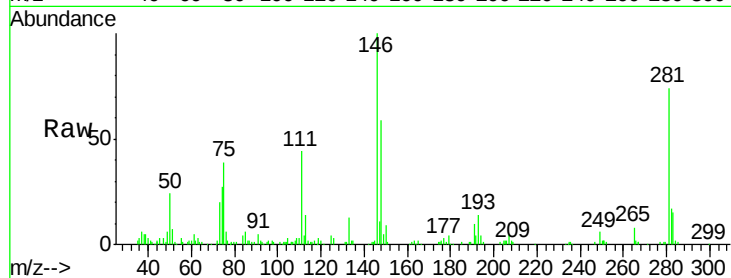
#75
 1,3-Dichlorobenzene
 Concen: 0.497 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	22.6	67.8
148	69.2	32.4	97.2

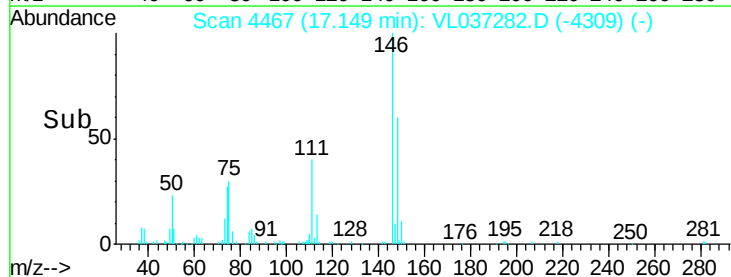
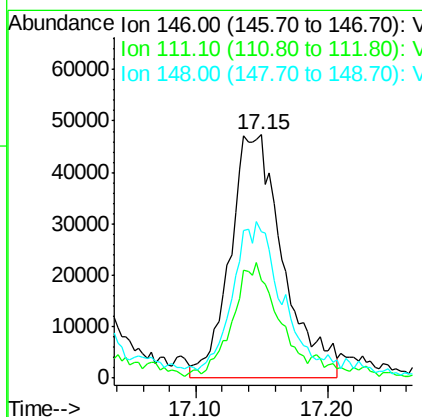
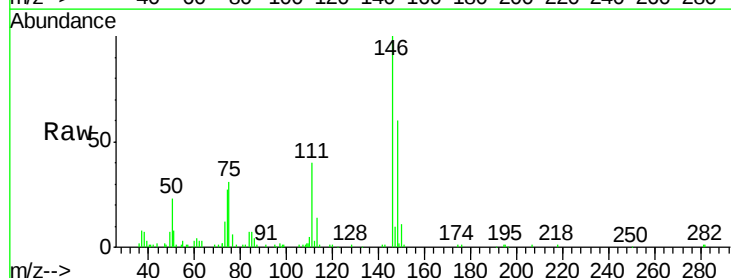
Manual Integrations
 APPROVED

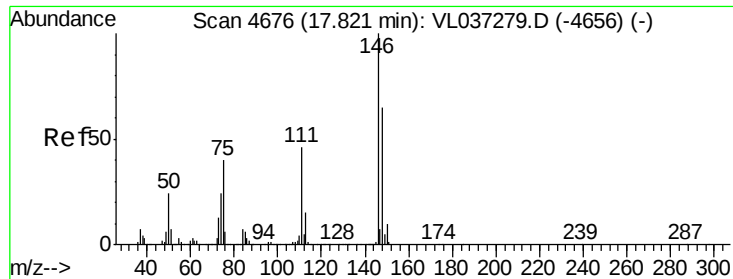
MMDadoda
 8/2/2021 9:03:36 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.501 ppbv m
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.01 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.4#
148	0.0	33.7	101.0#





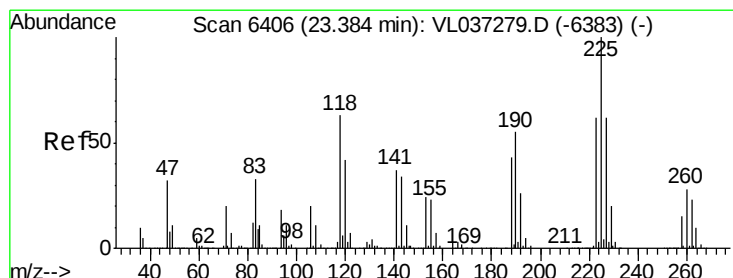
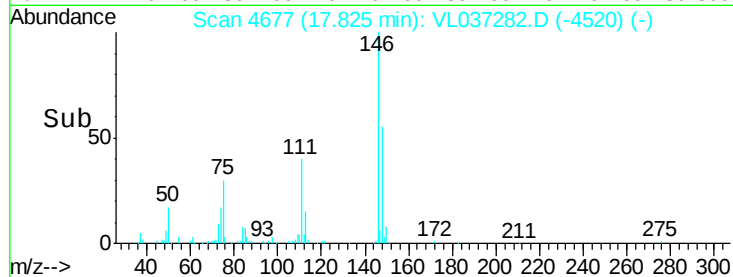
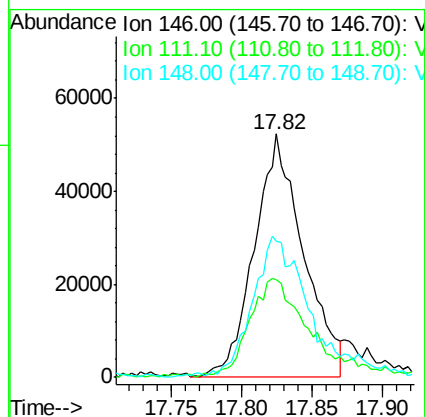
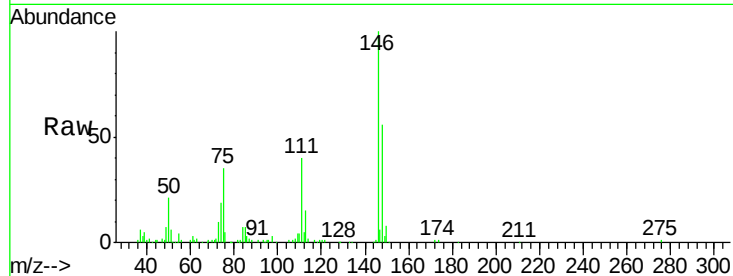
#77
 1,2-Dichlorobenzene
 Concen: 0.492 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.4	23.4	70.3
148	68.1	32.3	96.9

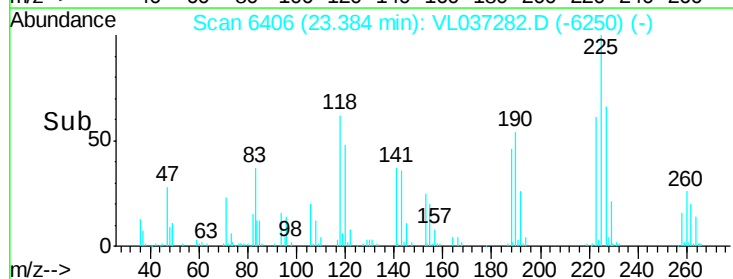
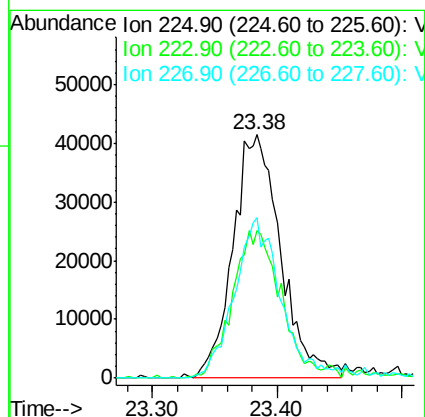
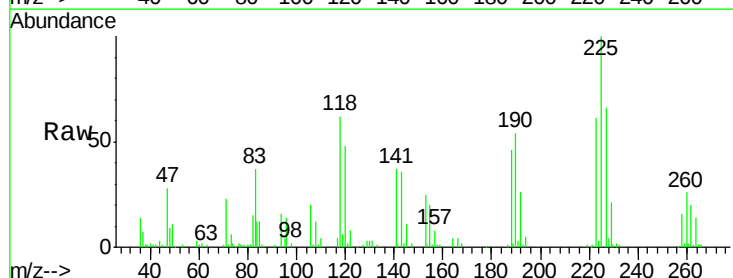
Manual Integrations
 APPROVED

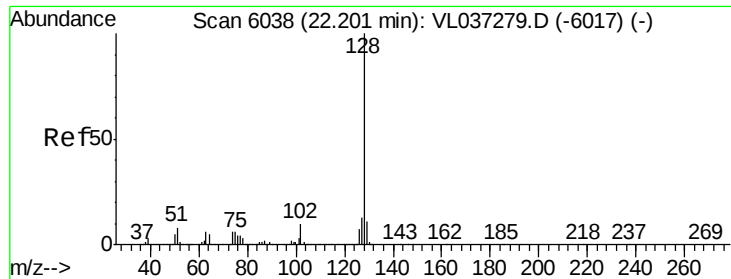
MMDadoda
 8/2/2021 9:03:36 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.513 ppbv m
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.4	77.2#
227	0.0	50.8	76.2#





#79

Naphthalene

Concen: 0.376 ppbv m

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

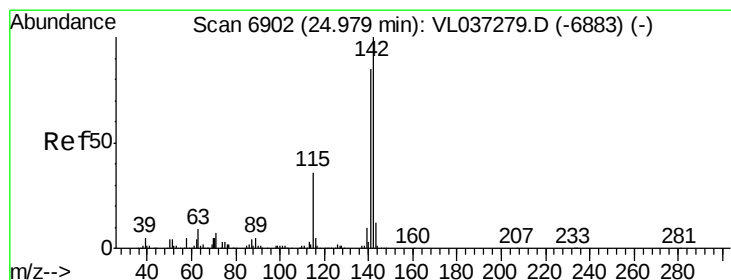
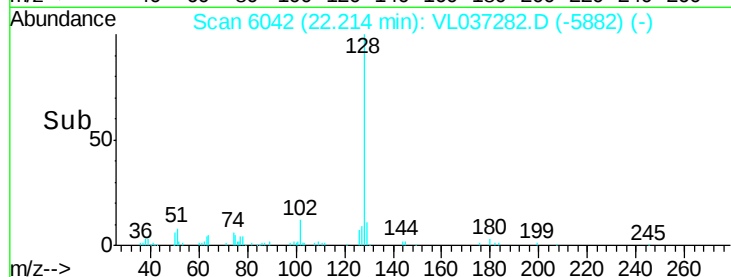
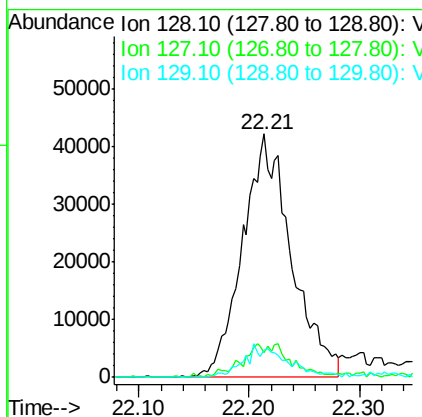
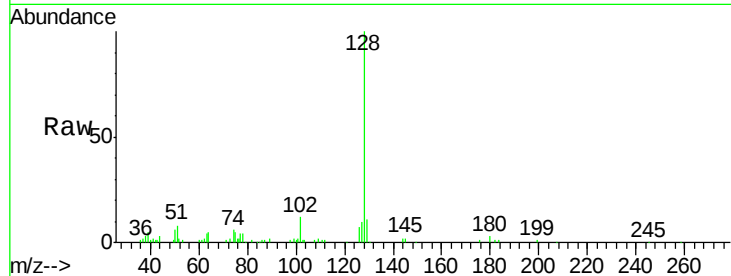
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	129376
Ion Ratio	Lower	Upper	
128	100		
127	9.9	10.3	15.5#
129	11.4	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/2/2021 9:03:36 AM



#80

Naphthalene, 2-methyl-

Concen: 0.342 ppbv m

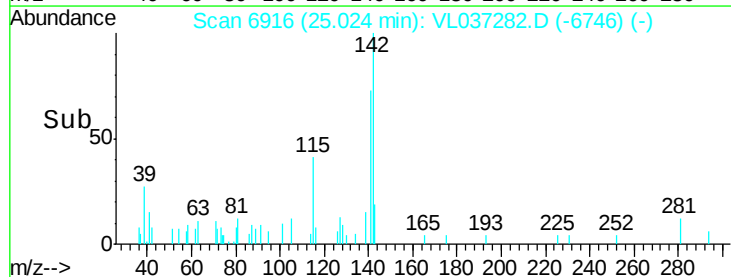
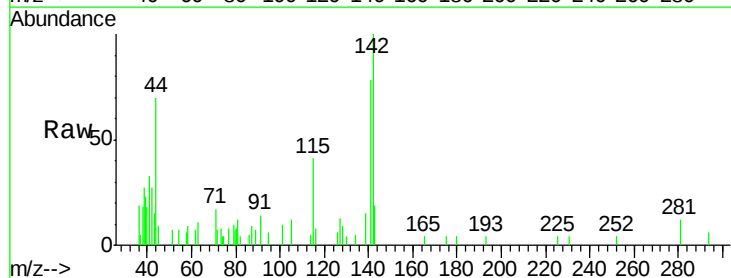
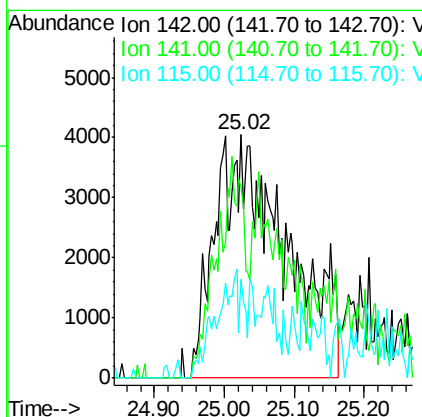
RT: 25.02 min Scan# 6916

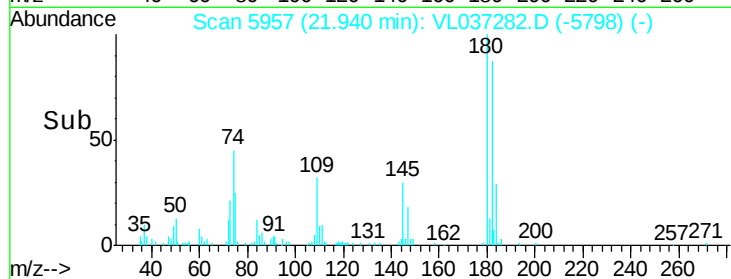
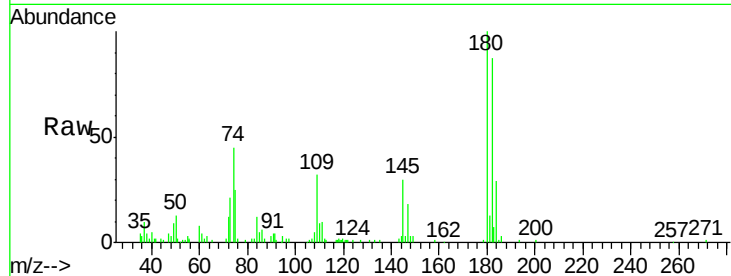
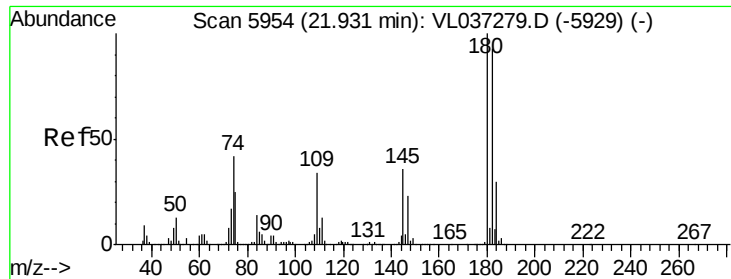
Delta R.T. 0.05 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion:	142	Resp:	28261
Ion Ratio	Lower	Upper	
142	100		
141	32.8	70.7	106.1#
115	13.5	31.4	47.0#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.431 ppbv m
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.01 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.3	118.9#
184	0.0	24.8	37.2#

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:36 AM

