

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033991.D
 Acq On : 2 Jul 2019 14:59
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:29 PM

Quant Time: Jul 02 16:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 16:39:51 2019
 QLast Update : Tue Jul 02 16:27:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1126062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2937945	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2824557	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	2278743	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	271023	1.483	ppbv	97
3) Chlorodifluoromethane	3.00	51	147776	1.115	ppbv	99
4) Chloromethane	3.16	50	83564	1.105	ppbv	90
5) Vinyl Chloride	3.28	62	88983	1.268	ppbv	98
6) Bromomethane	3.50	94	53719	1.153	ppbv	94
7) Chloroethane	3.58	64	33043	1.191	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	243395	1.246	ppbv	100
9) Propene	3.02	41	51560	1.039	ppbv	95
10) Heptane	8.22	43	121552	0.969	ppbv	97
11) Trichlorofluoromethane	3.99	101	257987	1.094	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	187453	1.176	ppbv	99
13) Ethanol	3.64	45	20664m	1.280	ppbv	
14) Bromoethene	3.77	108	70121	1.181	ppbv	99
15) Acetone	3.89	43	197800	1.204	ppbv	99
16) 1,3-Butadiene	3.35	39	66015	1.056	ppbv	97
17) tert-Butyl alcohol	4.35	59	151424	1.179	ppbv	98
18) 1,1-Dichloroethene	4.33	96	78060	1.160	ppbv	98
19) Isopropyl Alcohol	4.01	45	132719	1.415	ppbv #	94
20) Methylene Chloride	4.38	84	84960m	1.327	ppbv	
21) Allyl Chloride	4.45	41	111833	1.199	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	82554	1.164	ppbv	96
23) Vinyl Acetate	5.13	43	199365	1.044	ppbv	97
24) 1,1-Dichloroethane	5.06	63	174045	1.172	ppbv	98
25) Ethyl Acetate	5.74	43	261075	1.044	ppbv	99
26) Hexane	5.75	57	121946	1.071	ppbv	97
27) Carbon Disulfide	4.60	76	184973	1.169	ppbv #	91
28) Methyl tert-Butyl Ether	5.10	73	199591	1.159	ppbv	100
29) Chloroform	5.82	83	236773	1.214	ppbv	100
30) Cyclohexane	7.22	84	84481	1.050	ppbv	95
31) cis-1,2-Dichloroethene	5.62	61	104722	1.049	ppbv	93
32) 1,1,1-Trichloroethane	6.59	97	217003	1.153	ppbv	99
34) 2-Butanone	5.31	43	156594	0.945	ppbv	99
35) Carbon Tetrachloride	7.10	117	229121	1.009	ppbv	88
36) Benzene	6.97	78	218515	0.974	ppbv	98
37) 1,2-Dichloroethane	6.38	62	170522	1.027	ppbv	99
38) Trichloroethene	7.93	130	94533	1.082	ppbv	92
39) 1,2-Dichloropropane	7.70	63	85199	0.984	ppbv #	91
40) 1,4-Dioxane	7.95	88	43462m	1.230	ppbv	
41) Tetrahydrofuran	6.14	42	69589m	0.827	ppbv	
42) Bromodichloromethane	7.89	83	225417	1.016	ppbv	95
43) Methyl Methacrylate	8.11	69	80059	0.954	ppbv	96

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Manual Integrations
 APPROVED

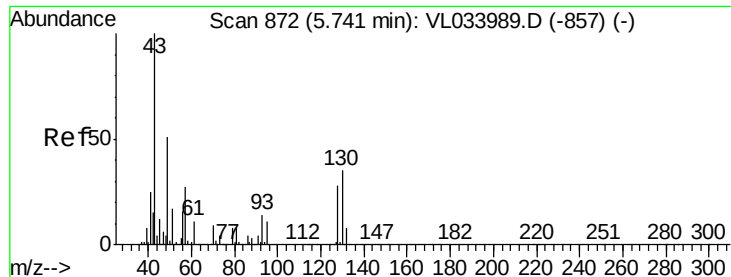
MMDadoda
 7/3/2019 11:03:29 PM

Quant Time: Jul 02 16:39:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 16:27:55 2019
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.96	57	396089	0.992	ppbv	97
45) t-1,3-Dichloropropene	9.38	75	91098	0.827	ppbv	91
46) cis-1,3-Dichloropropene	8.80	75	112412m	0.891	ppbv	
47) 1,1,2-Trichloroethane	9.58	97	104024	1.007	ppbv	96
48) Dibromochloromethane	10.41	129	185732	1.001	ppbv	97
49) Bromoform	13.16	173	170100	1.038	ppbv	98
50) 4-Methyl-2-Pentanone	8.85	43	224835	0.910	ppbv	98
51) 2-Hexanone	10.25	43	158657	0.822	ppbv #	95
52) Tetrachloroethene	11.33	164	96964	1.228	ppbv #	83
53) Toluene	9.91	91	240141	0.967	ppbv	96
54) 1,2-Dibromoethane	10.72	107	155484	0.999	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	134013m	1.086	ppbv	
57) Chlorobenzene	12.26	112	239528	1.132	ppbv	94
58) Ethyl Benzene	12.83	91	339182	1.065	ppbv	93
59) m/p-Xylene	13.11	91	643808m	2.223	ppbv	
60) o-Xylene	13.81	91	326088	1.091	ppbv	99
61) Styrene	13.65	104	189890m	0.981	ppbv	
62) Isopropylbenzene	14.79	105	425614	1.056	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	247100	1.098	ppbv	98
64) n-propylbenzene	15.69	120	113332m	1.098	ppbv	
65) tert-Butylbenzene	16.88	119	390502	1.047	ppbv	96
66) Benzyl Chloride	17.12	91	166404	0.881	ppbv	96
67) sec-Butylbenzene	17.42	105	568968	1.088	ppbv	98
69) p-Isopropyltoluene	17.78	119	457532	1.051	ppbv	99
70) n-Butylbenzene	18.67	91	490660m	1.029	ppbv	
71) 2-Chlorotoluene	15.58	91	298091	1.004	ppbv	97
72) 4-Ethyltoluene	15.97	105	355656	1.045	ppbv	97
73) 1,3,5-Trimethylbenzene	16.12	105	369010	1.101	ppbv	100
74) 1,2,4-Trimethylbenzene	16.89	105	415655	1.076	ppbv	97
75) 1,3-Dichlorobenzene	17.13	146	267333m	1.105	ppbv	
76) 1,4-Dichlorobenzene	17.27	146	241074	1.085	ppbv	97
77) 1,2-Dichlorobenzene	17.96	146	248004m	1.111	ppbv	
78) Hexachloro-1,3-Butadiene	23.51	225	226857m	1.301	ppbv	
79) Naphthalene	22.37	128	318838	1.033	ppbv #	91
80) Naphthalene, 2-methyl-	25.08	142	94414	0.766	ppbv	98
81) 1,2,4-Trichlorobenzene	22.09	180	218870m	1.123	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1126062

Ion Ratio Lower Upper

49 100

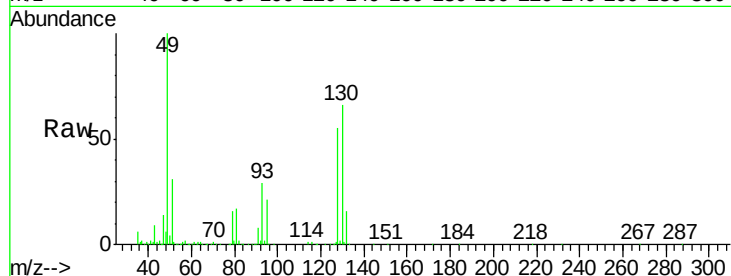
128 55.2 27.9 83.6

130 71.9 35.8 107.4

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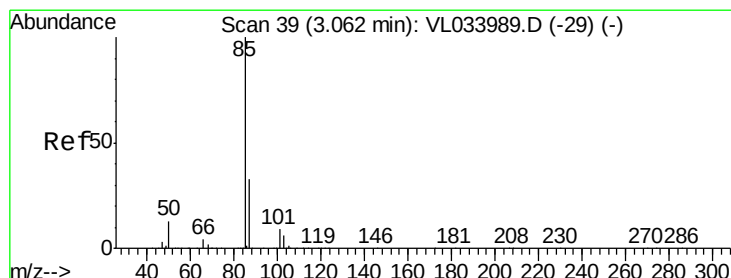
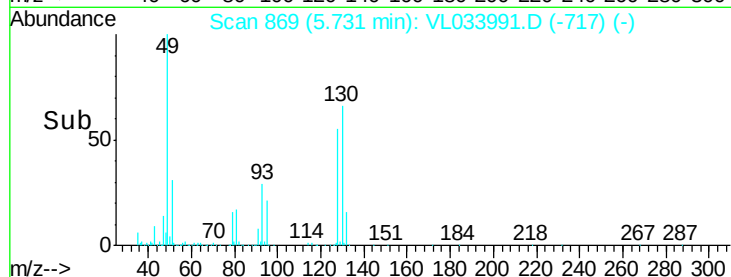
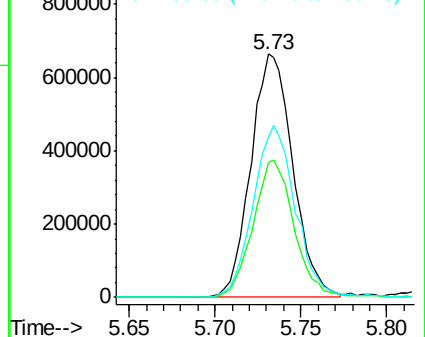
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.483 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.00 min

Lab File: VL033991.D

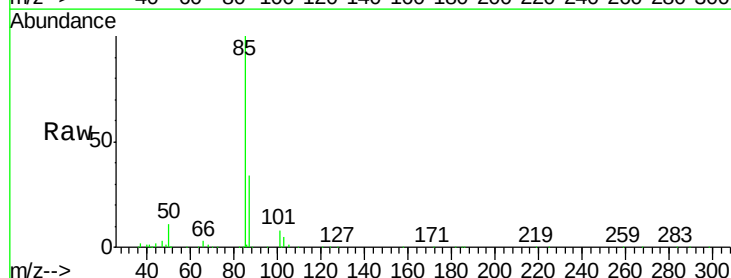
Acq: 2 Jul 2019 14:59

Tgt Ion: 85 Resp: 271023

Ion Ratio Lower Upper

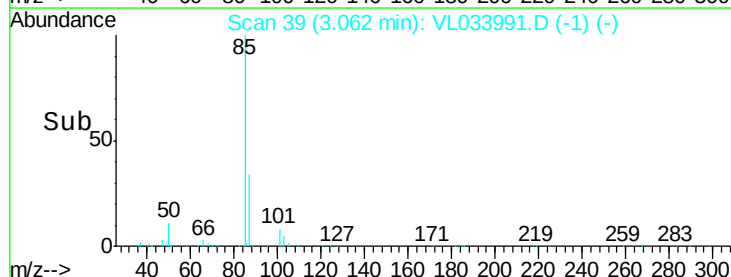
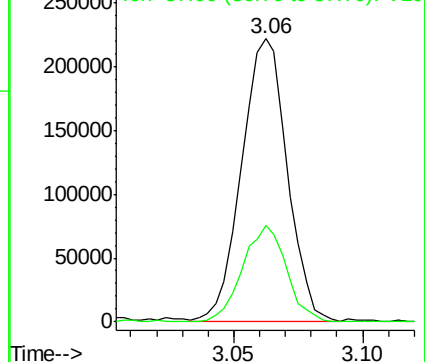
85 100

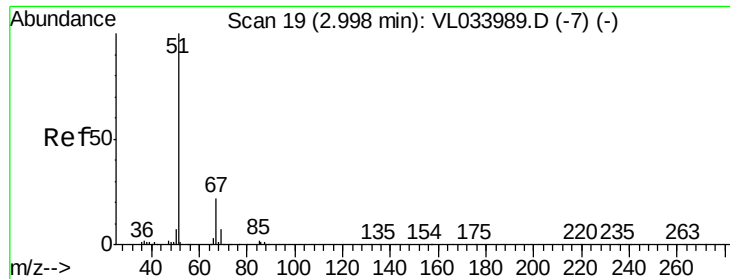
87 34.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





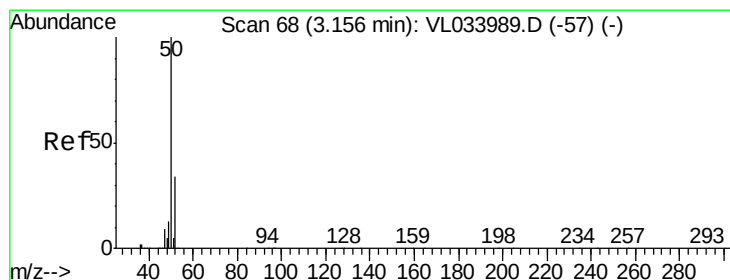
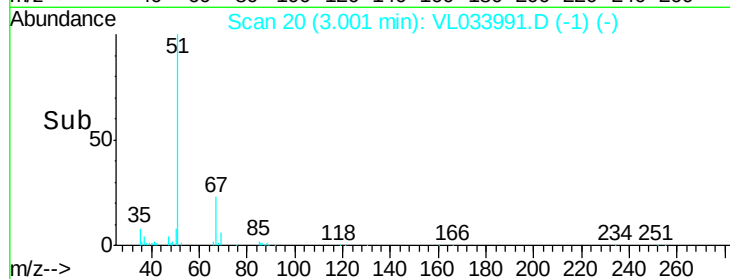
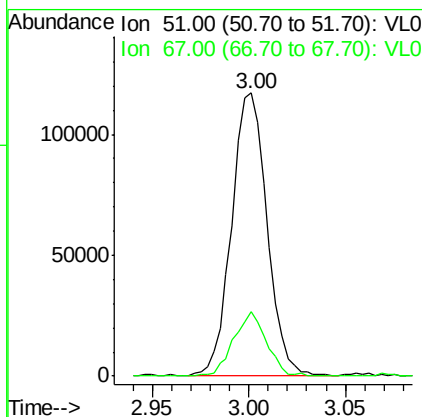
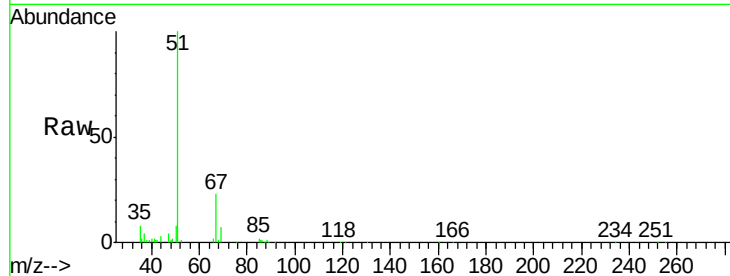
#3
Chlorodifluoromethane
Concen: 1.115 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	21.3	17.3	25.9

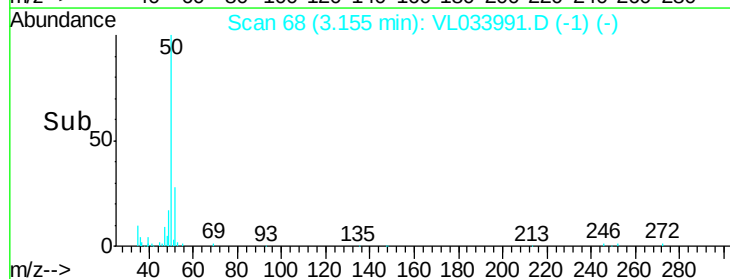
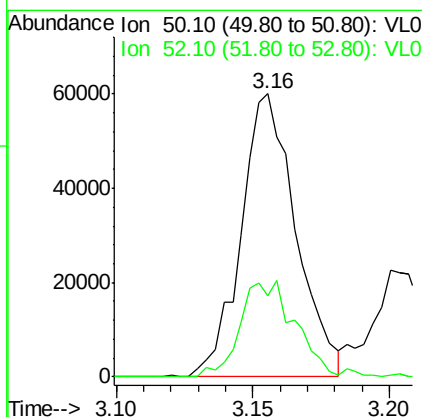
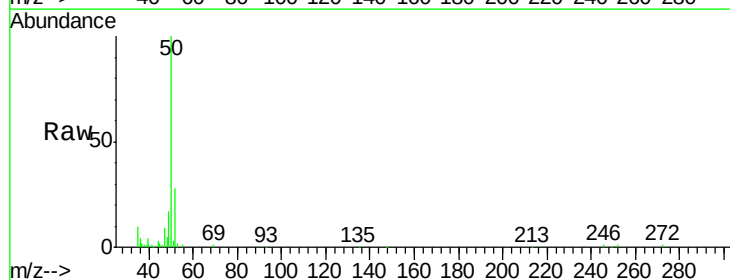
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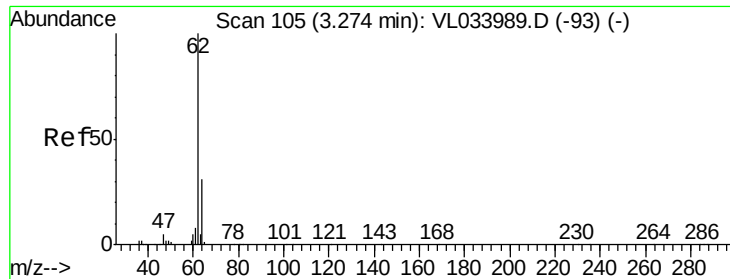
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#4
Chloromethane
Concen: 1.105 ppbv
RT: 3.16 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
50	100		
52	28.5	27.4	41.0





#5

Vinyl Chloride

Concen: 1.268 ppbv

RT: 3.28 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 88983

Ion Ratio Lower Upper

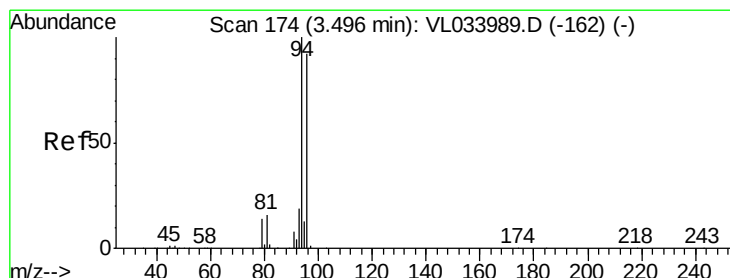
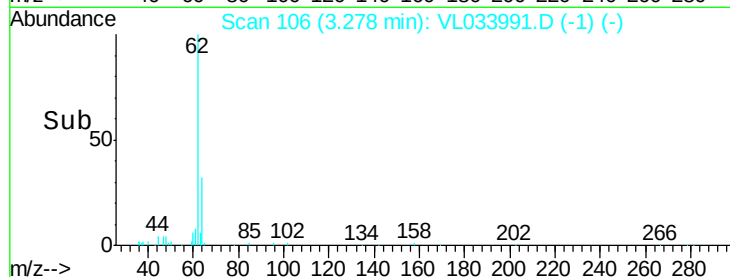
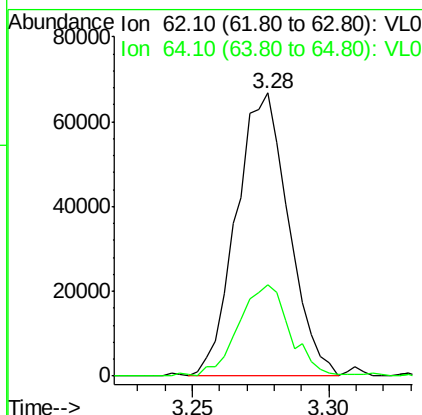
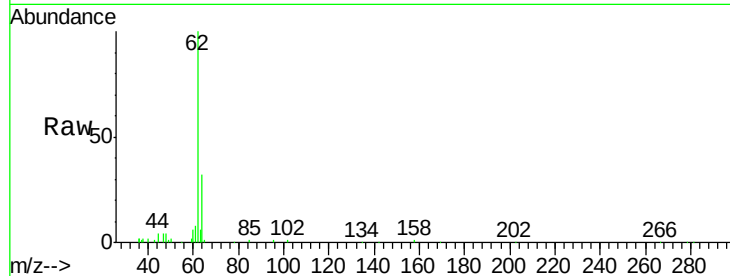
62 100

64 31.7 24.4 36.6

Manual Integrations
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#6

Bromomethane

Concen: 1.153 ppbv

RT: 3.50 min Scan# 174

Delta R.T. -0.00 min

Lab File: VL033991.D

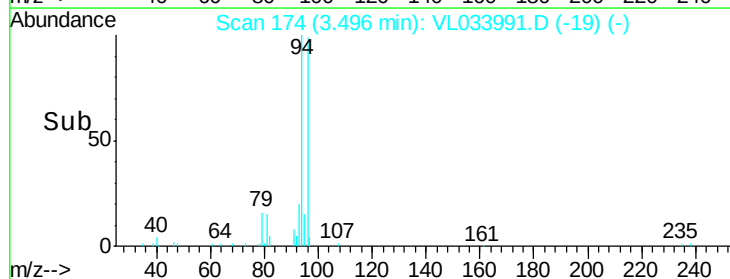
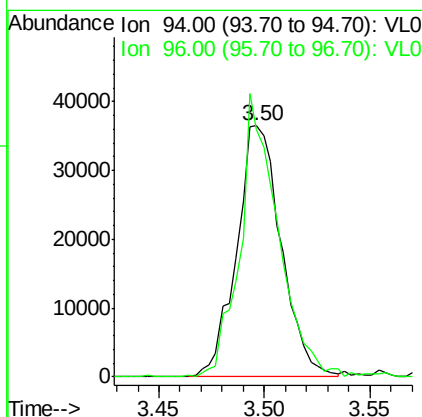
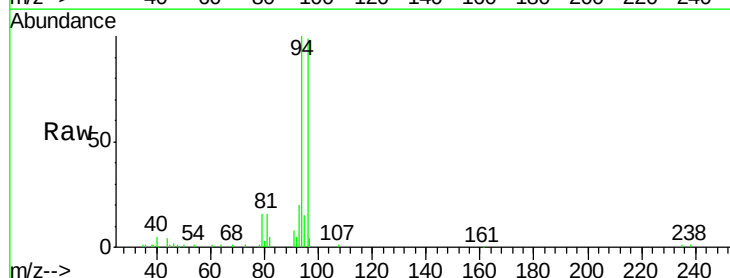
Acq: 2 Jul 2019 14:59

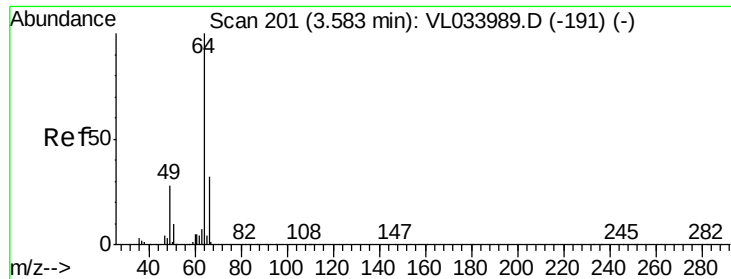
Tgt Ion: 94 Resp: 53719

Ion Ratio Lower Upper

94 100

96 97.9 73.8 110.8





#7

Chloroethane

Concen: 1.191 ppbv

RT: 3.58 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 33043

Ion Ratio Lower Upper

64 100

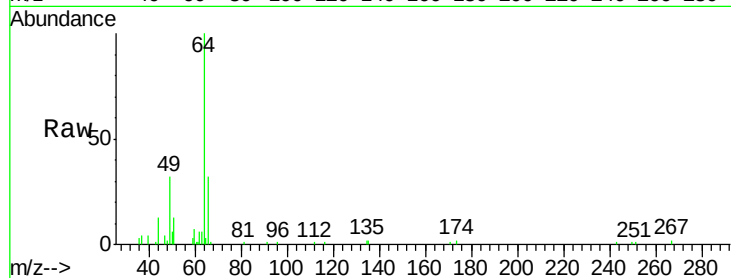
66 32.2 25.3 37.9

Manual Integrations

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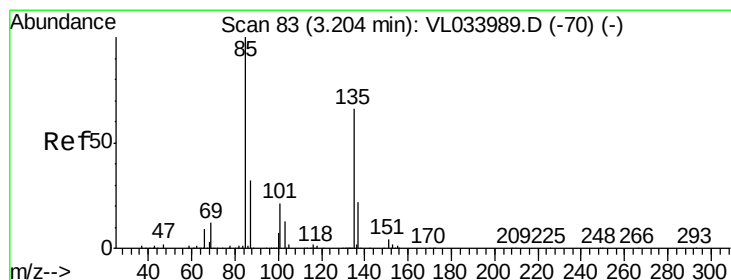
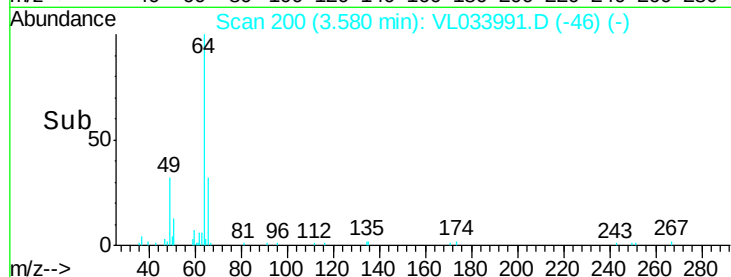
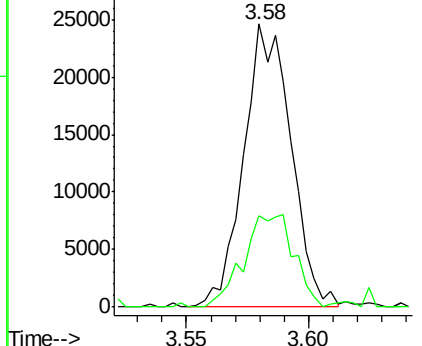
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.246 ppbv

RT: 3.20 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL033991.D

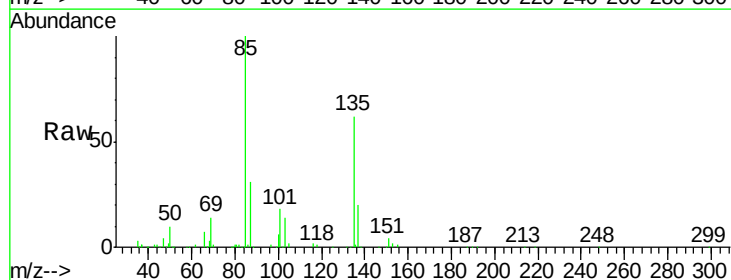
Acq: 2 Jul 2019 14:59

Tgt Ion: 85 Resp: 243395

Ion Ratio Lower Upper

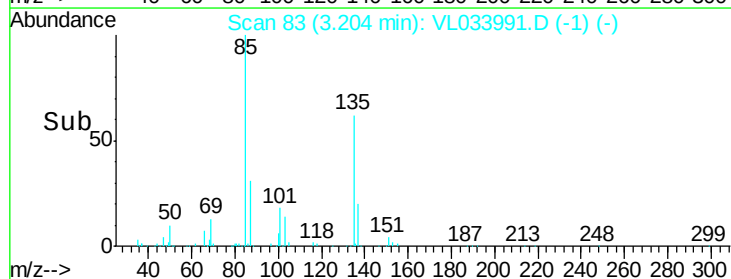
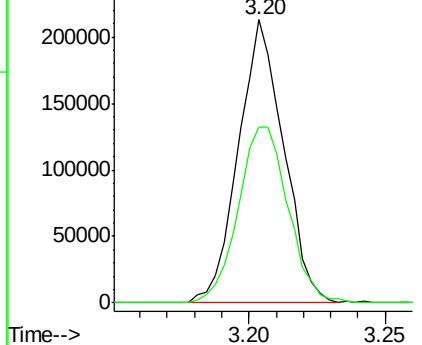
85 100

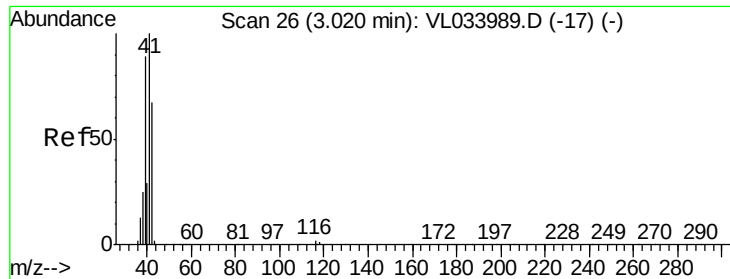
135 69.0 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.039 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 51560

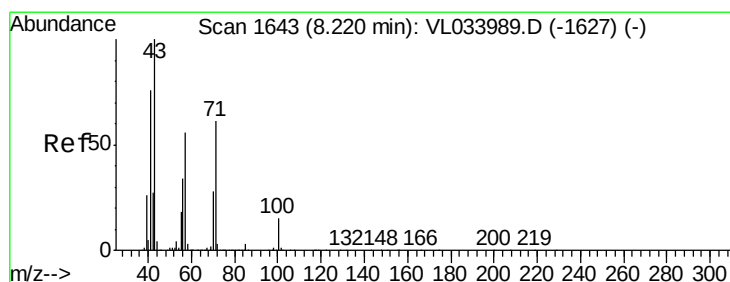
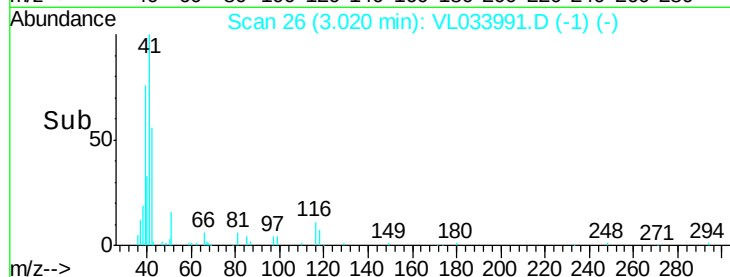
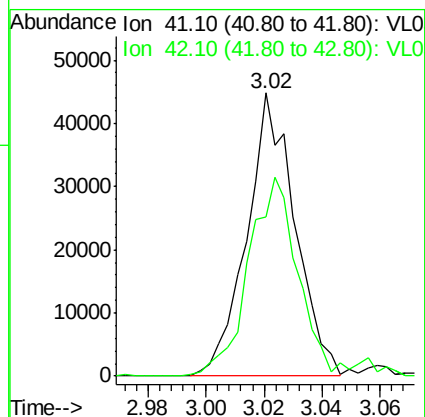
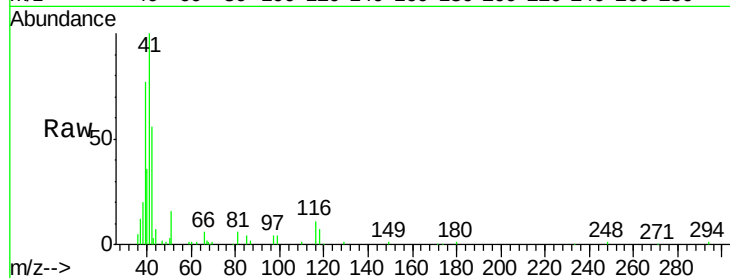
Ion Ratio Lower Upper

41 100

42 75.9 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 0.969 ppbv

RT: 8.22 min Scan# 1642

Delta R.T. -0.00 min

Lab File: VL033991.D

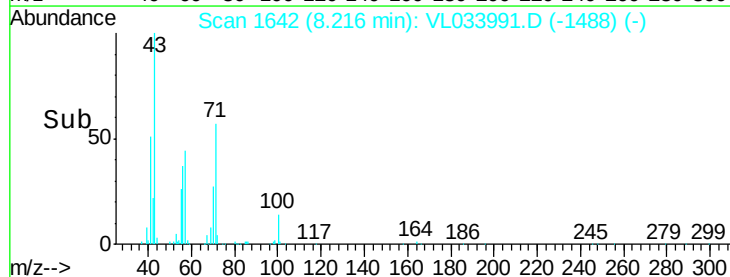
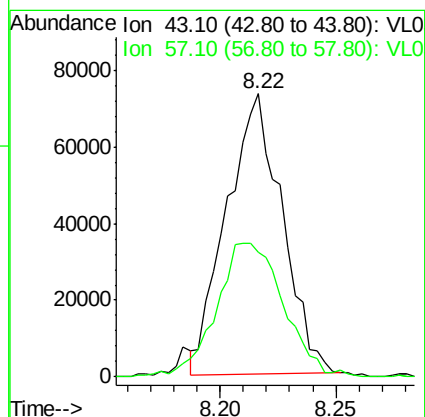
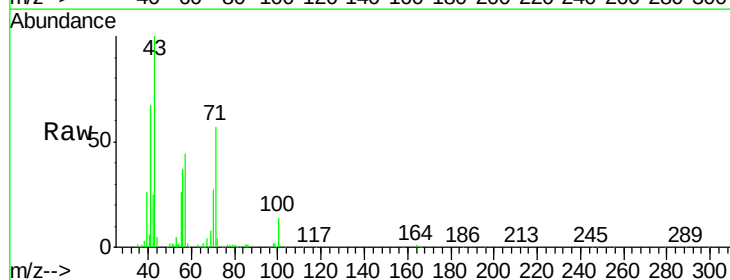
Acq: 2 Jul 2019 14:59

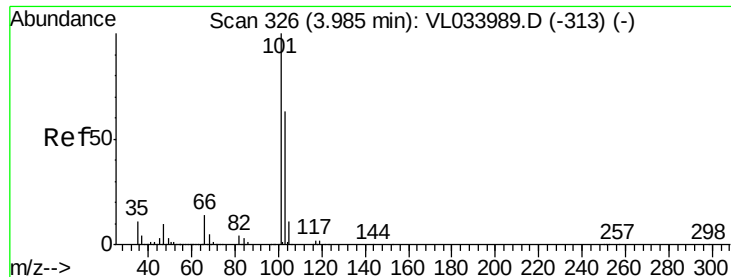
Tgt Ion: 43 Resp: 121552

Ion Ratio Lower Upper

43 100

57 58.1 44.6 66.8





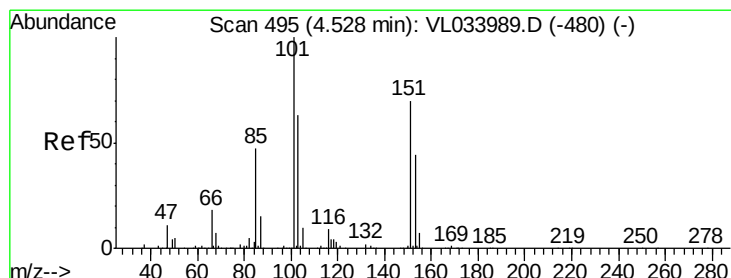
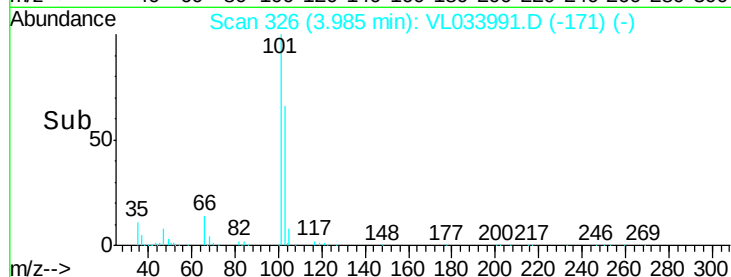
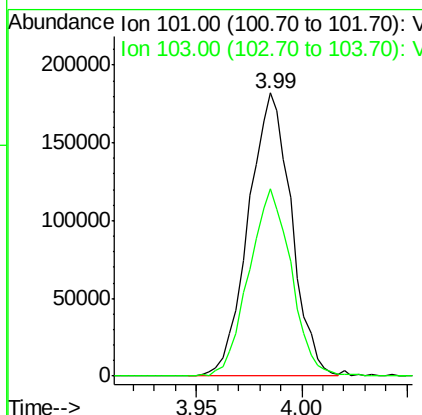
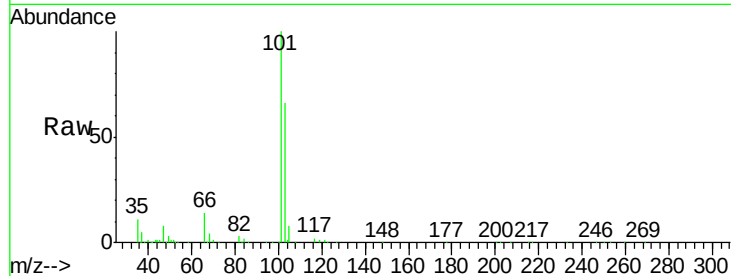
#11
 Trichlorofluoromethane
 Concen: 1.094 ppbv
 RT: 3.99 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.8	76.2

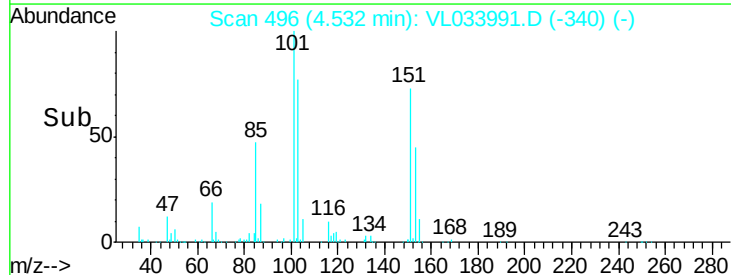
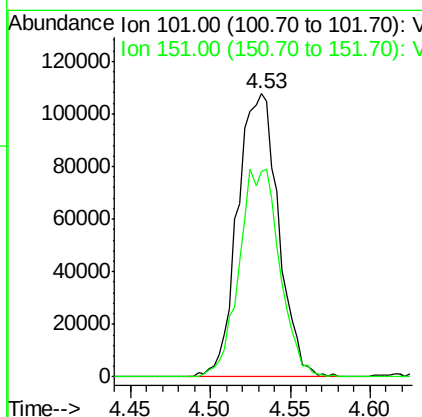
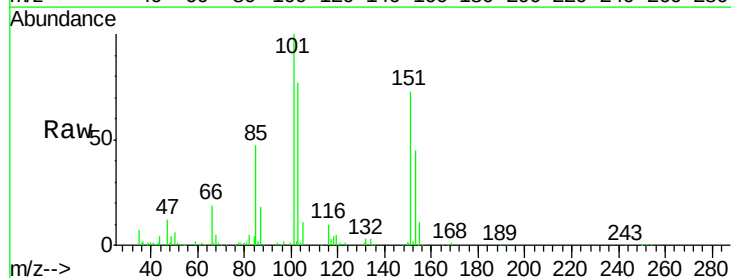
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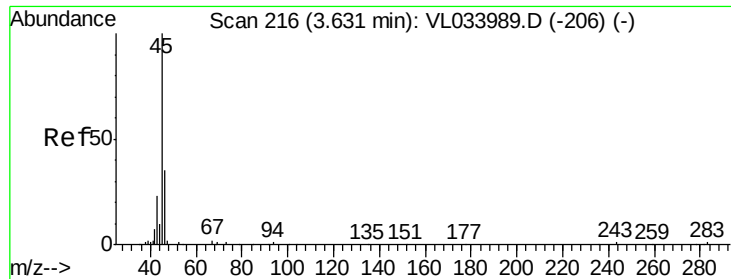
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.176 ppbv
 RT: 4.53 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
101	100		
151	72.9	59.0	88.4





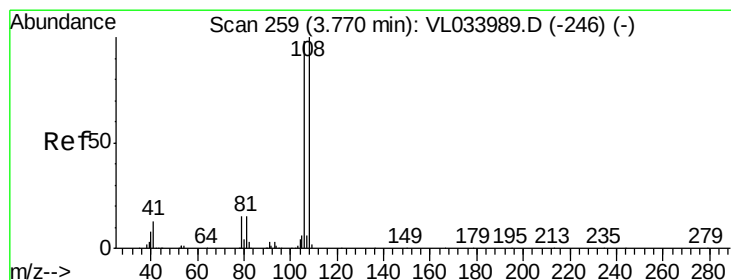
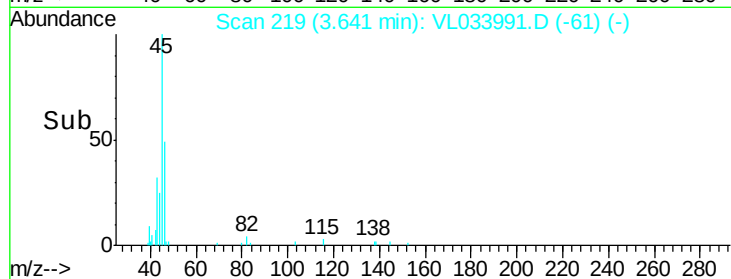
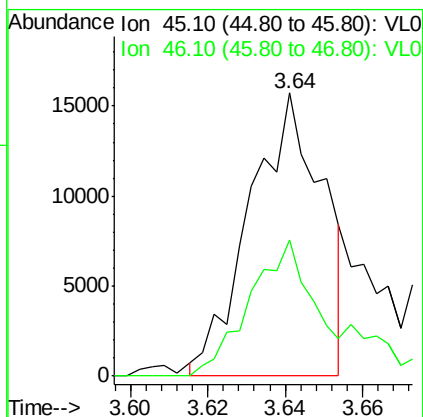
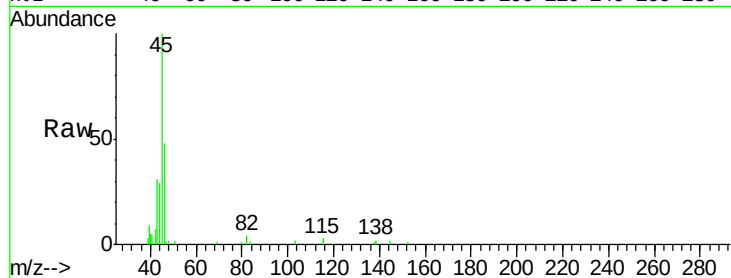
#13
Ethanol
Concen: 1.280 ppbv m
RT: 3.64 min Scan# 219
Delta R.T. 0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	46	Ratio	100	53.1	Resp:	20664	Lower	Upper

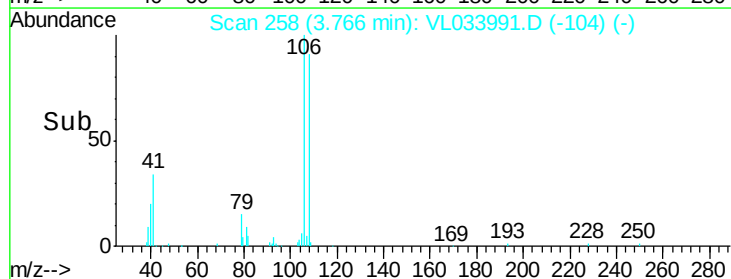
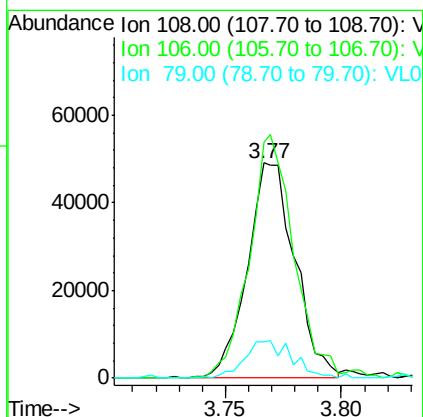
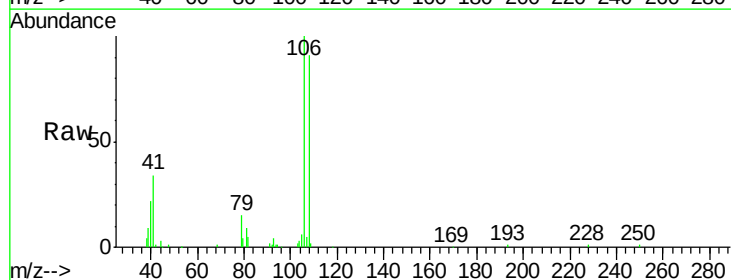
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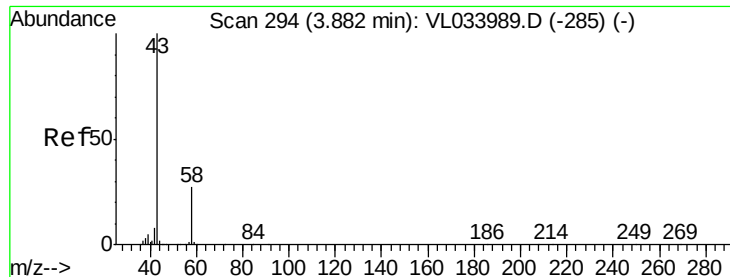
MMDadoda
7/3/2019 11:03:29 PM



#14
Bromoethene
Concen: 1.181 ppbv
RT: 3.77 min Scan# 258
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	108	106	79	Ratio	100	108.7	17.7	Resp:	70121	Lower	Upper





#15

Acetone

Concen: 1.204 ppbv

RT: 3.89 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 197800

Ion Ratio Lower Upper

43 100

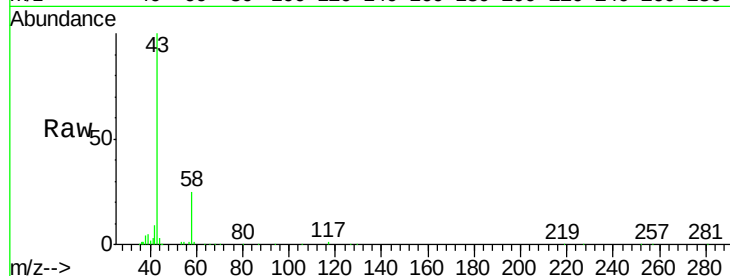
58 27.4 21.4 32.0

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.89

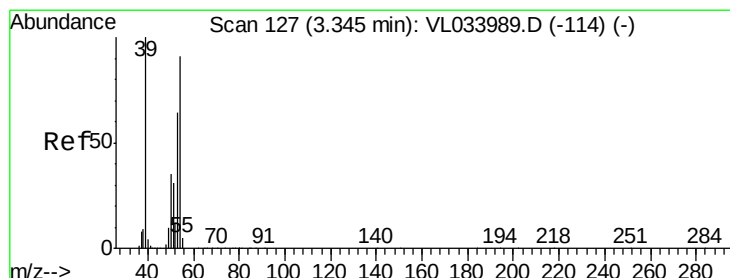
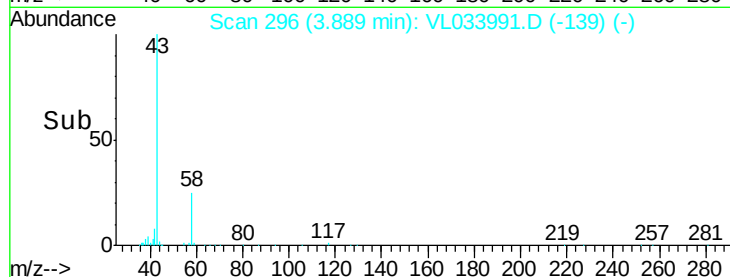
150000

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 1.056 ppbv

RT: 3.35 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL033991.D

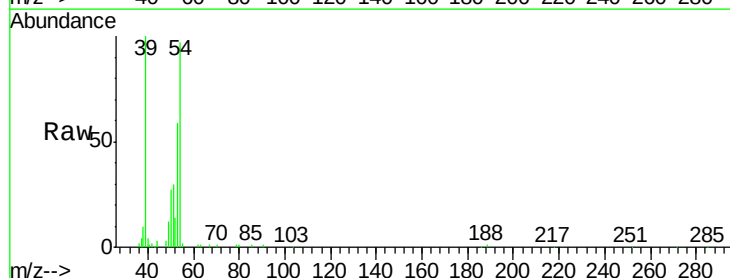
Acq: 2 Jul 2019 14:59

Tgt Ion: 39 Resp: 66015

Ion Ratio Lower Upper

39 100

54 92.5 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.35

60000

50000

40000

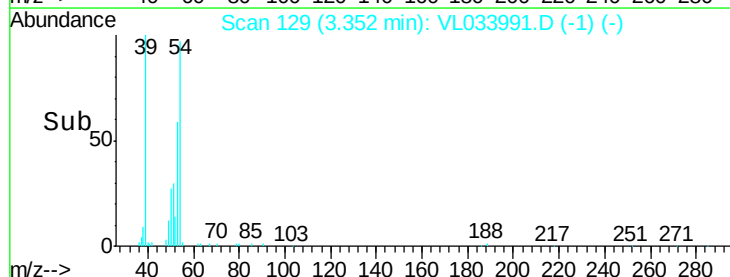
30000

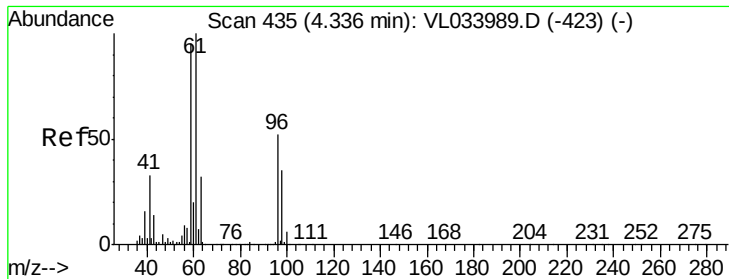
20000

10000

0

Time-->





#17

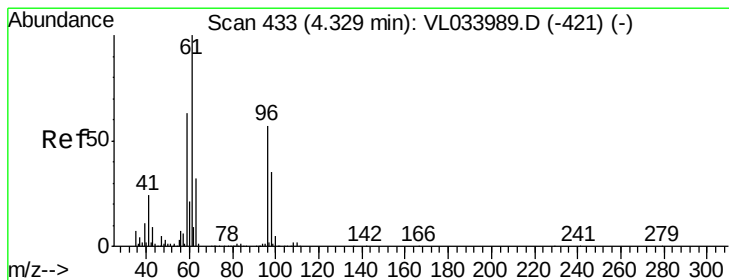
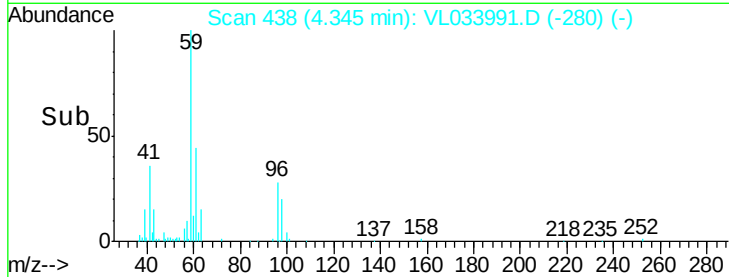
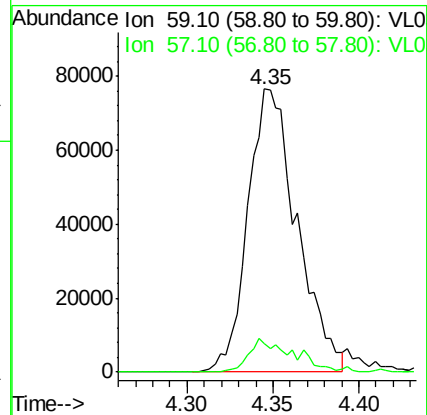
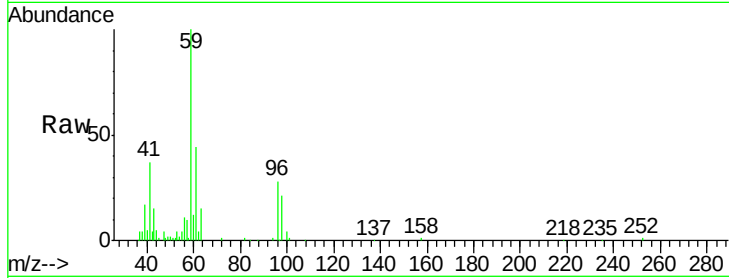
tert-Butyl alcohol
Concen: 1.179 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 151424
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

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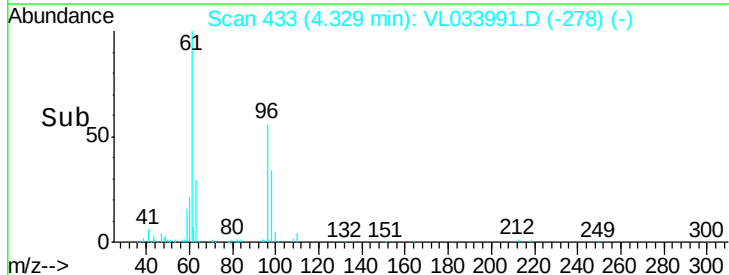
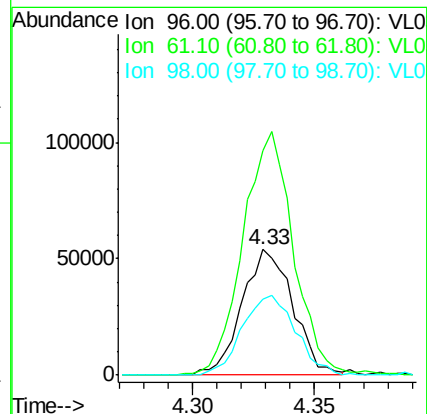
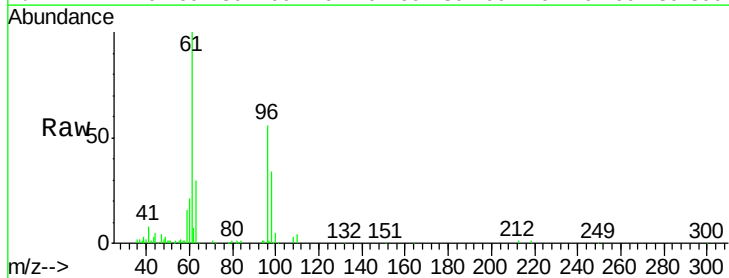
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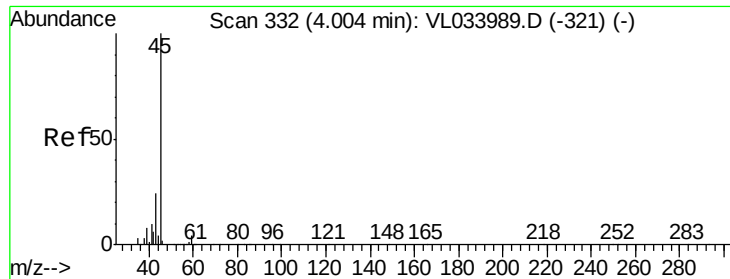


#18

1,1-Dichloroethene
Concen: 1.160 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 96 Resp: 78060
Ion Ratio Lower Upper
96 100
61 178.1 139.4 209.0
98 60.6 49.4 74.0





#19

Isopropyl Alcohol

Concen: 1.415 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 132719

Ion Ratio Lower Upper

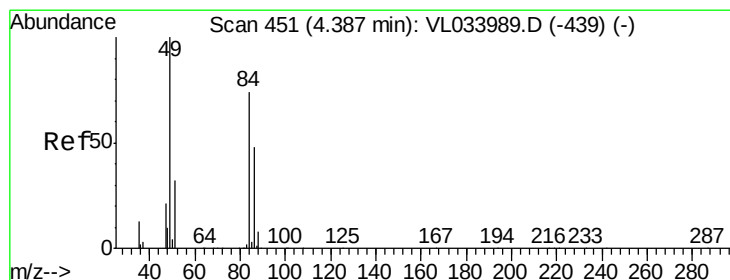
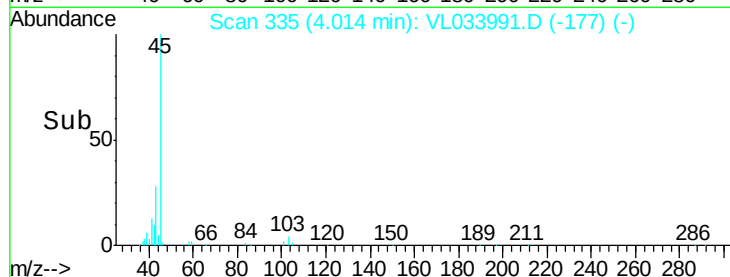
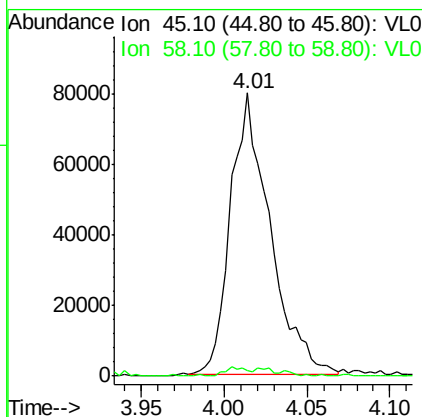
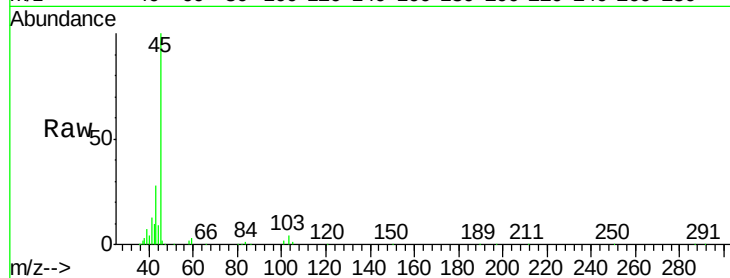
45 100

58 4.1 1.7 2.5#

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#20

Methylene Chloride

Concen: 1.327 ppbv m

RT: 4.38 min Scan# 450

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion: 84 Resp: 84960

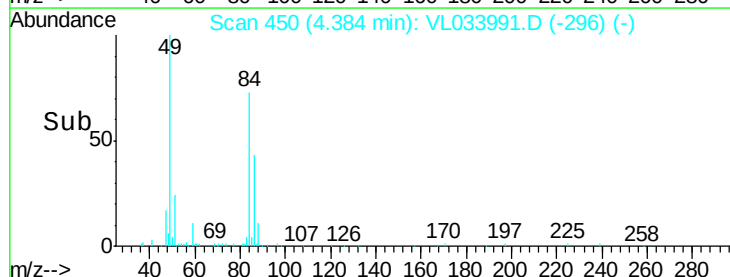
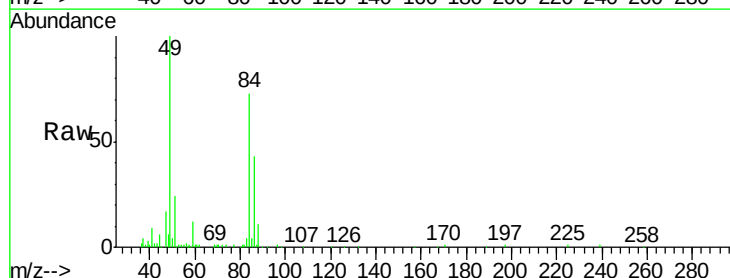
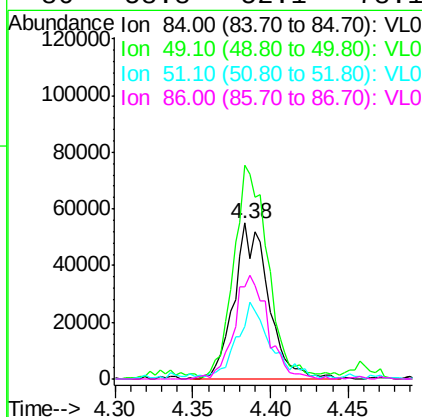
Ion Ratio Lower Upper

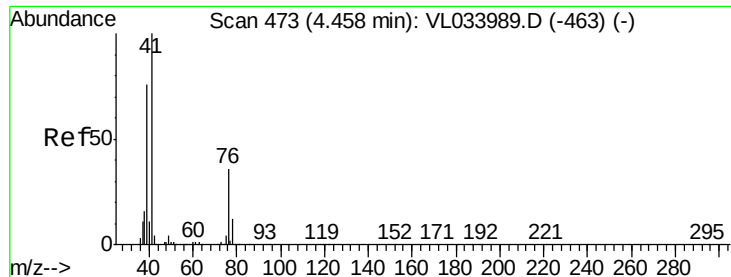
84 100

49 137.0 107.6 161.4

51 33.3 35.0 52.6#

86 58.8 52.1 78.1





#21

Allvl Chloride

Concen: 1.199 ppbv

RT: 4.45 min Scan# 472

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

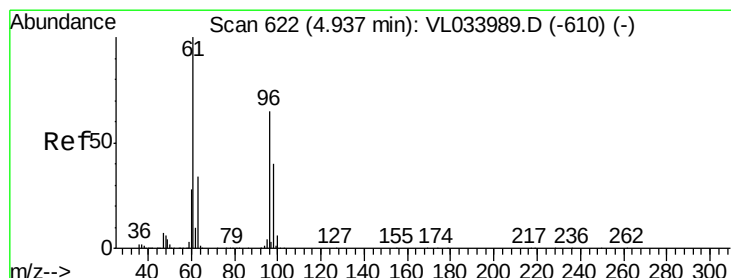
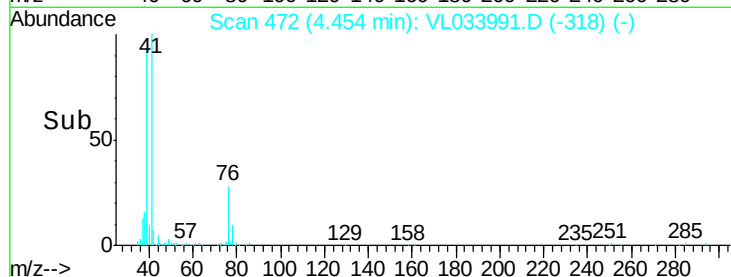
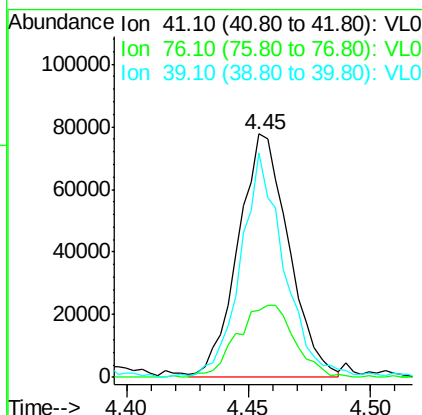
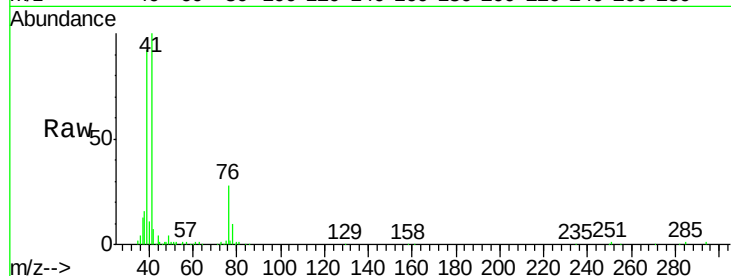
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	111833
Ion Ratio		Lower	Upper
41	100		
76	34.3	26.8	40.2
39	80.9	63.1	94.7

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#22

trans-1,2-Dichloroethene

Concen: 1.164 ppbv

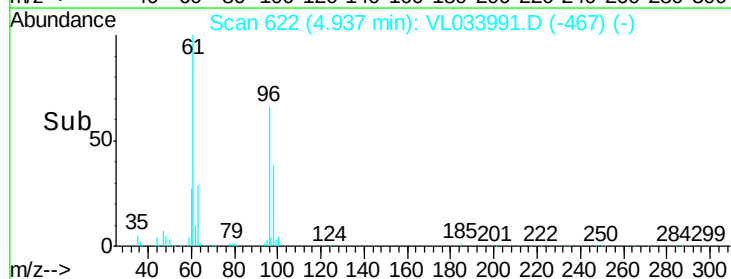
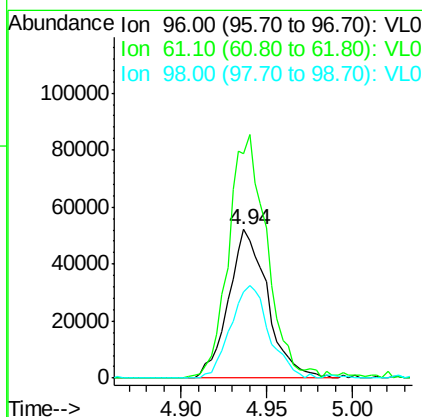
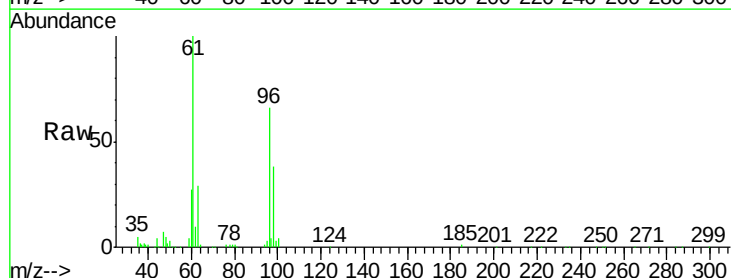
RT: 4.94 min Scan# 622

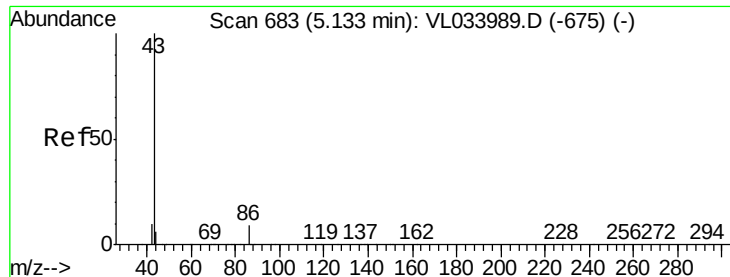
Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:	96	Resp:	82554
Ion Ratio		Lower	Upper
96	100		
61	150.2	122.9	184.3
98	57.6	49.6	74.4





#23

Vinyl Acetate

Concen: 1.044 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

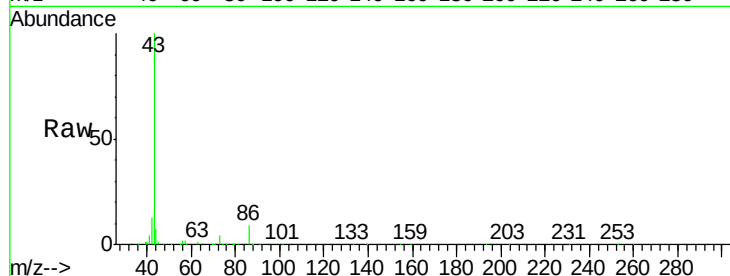
ClientSampleId :

VSTDIC001

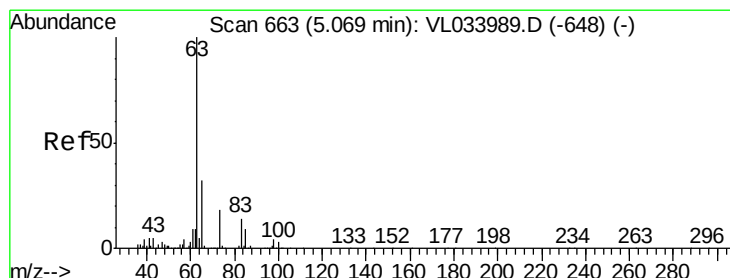
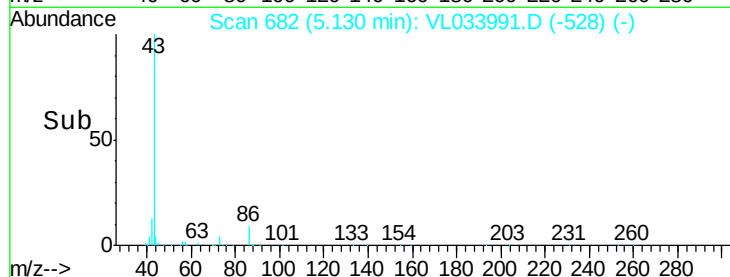
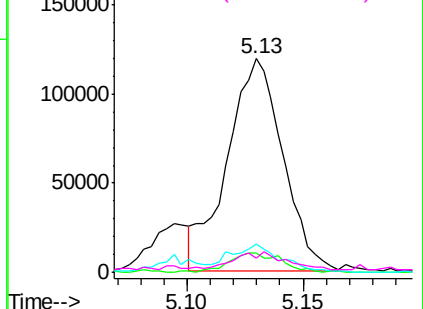
Tot Ion:	43	Resp:	199365
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.6	9.8
42	12.4	8.3	12.5
44	5.8	4.3	6.5

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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: 1.172 ppbv

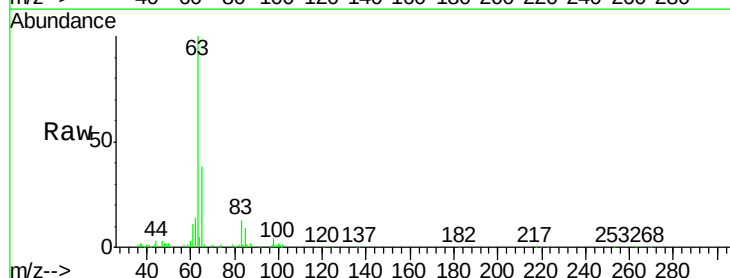
RT: 5.06 min Scan# 661

Delta R.T. -0.01 min

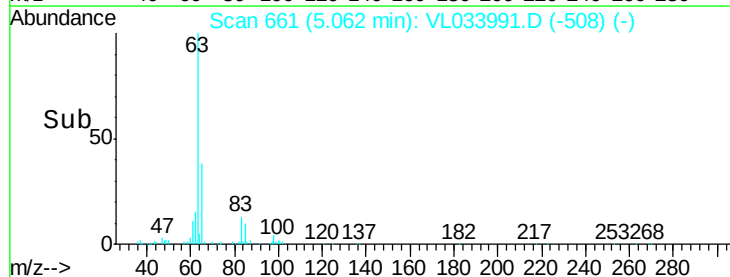
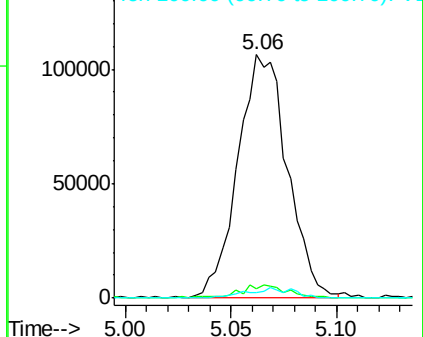
Lab File: VL033991.D

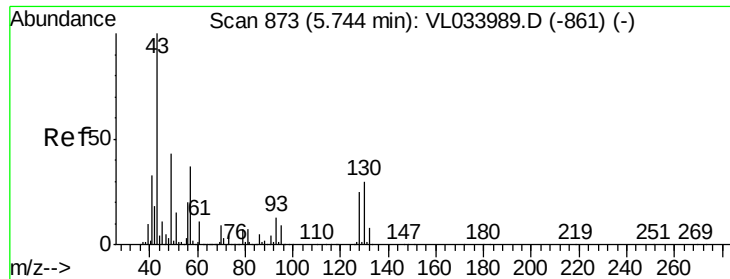
Acq: 2 Jul 2019 14:59

Tgt Ion:	63	Resp:	174045
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.2	6.6
100	2.1	1.4	4.2



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





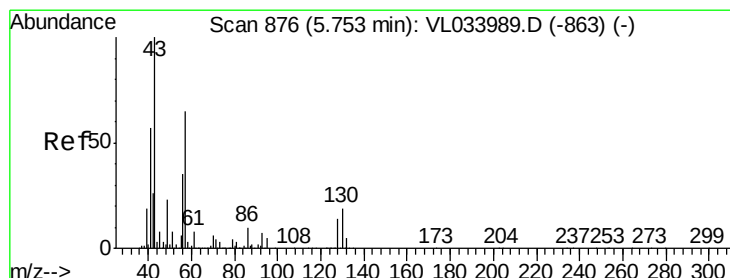
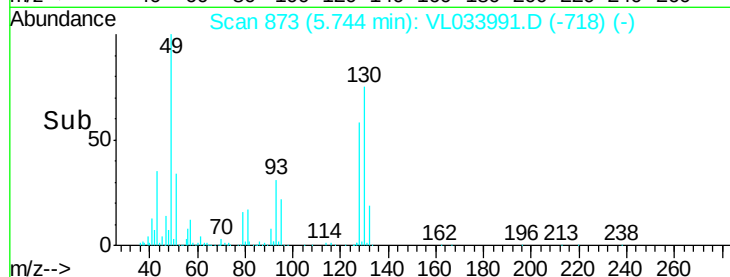
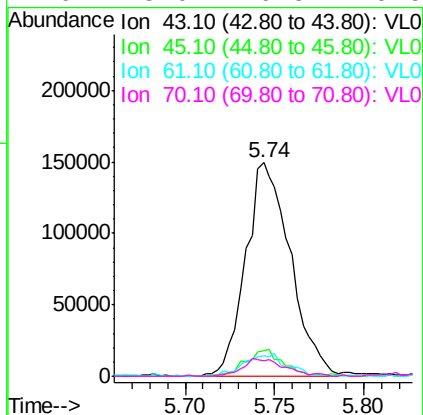
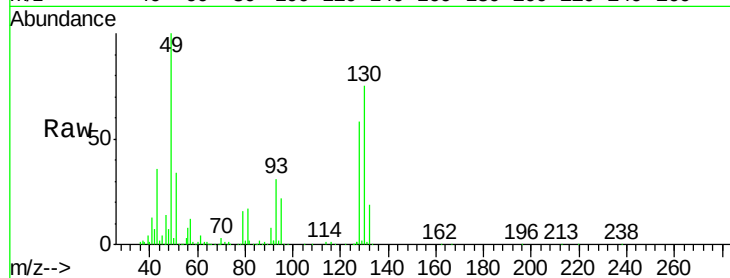
#25
Ethyl Acetate
Concen: 1.044 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.1	12.1
61	10.3	8.1	12.1
70	8.0	6.3	9.5

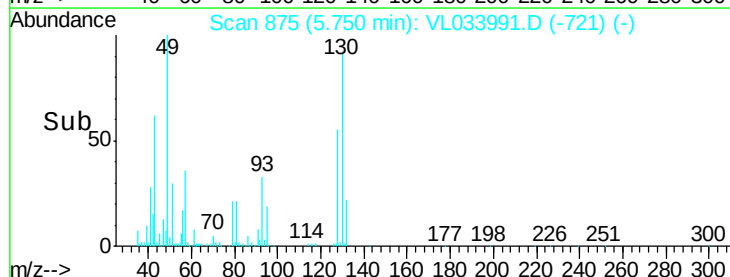
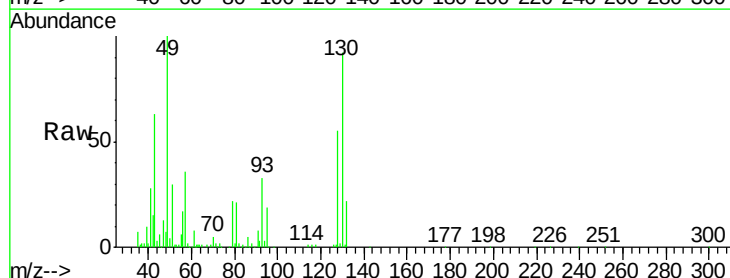
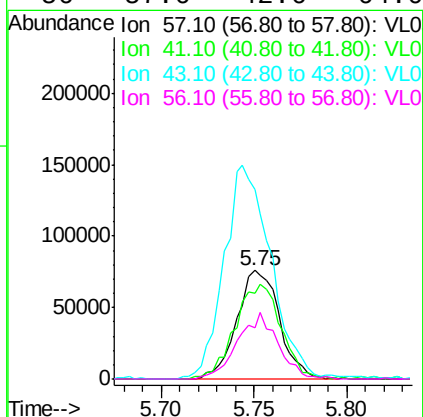
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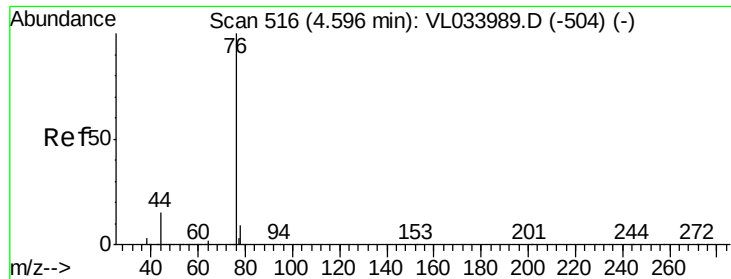
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#26
Hexane
Concen: 1.071 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.1	70.6	105.8
43	220.1	177.6	266.4
56	57.6	42.6	64.0





#27

Carbon Disulfide

Concen: 1.169 ppbv

RT: 4.60 min Scan# 517

Delta R.T. 0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

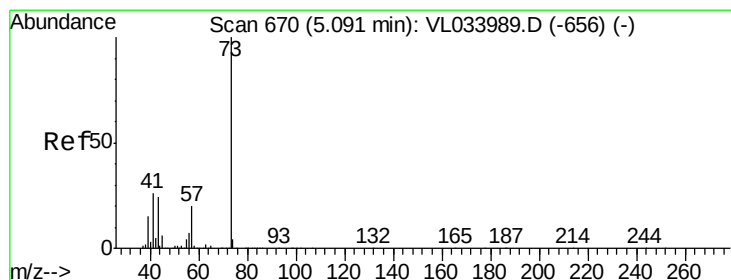
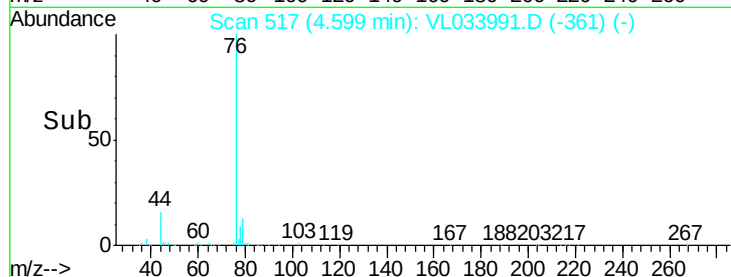
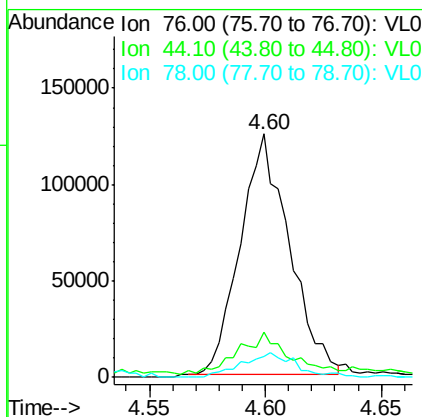
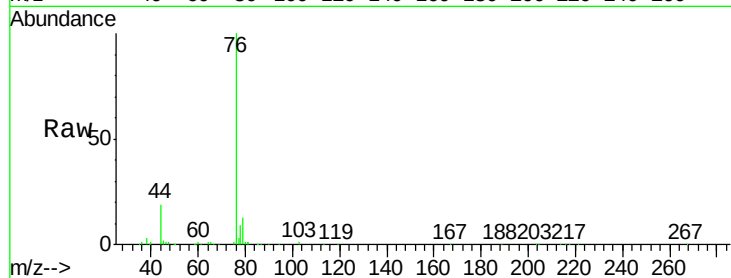
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	184973
Ion	Ratio	Lower	Upper
76	100		
44	19.8	12.6	18.8#
78	11.5	7.2	10.8#

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#28

Methyl tert-Butyl Ether

Concen: 1.159 ppbv

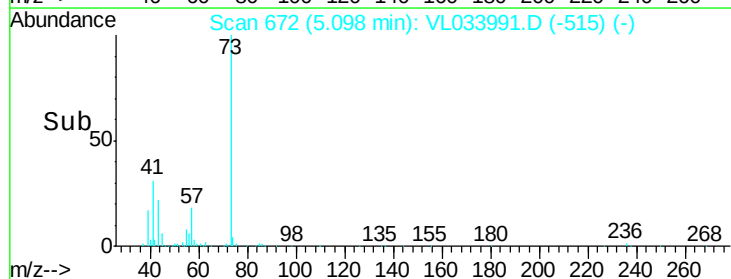
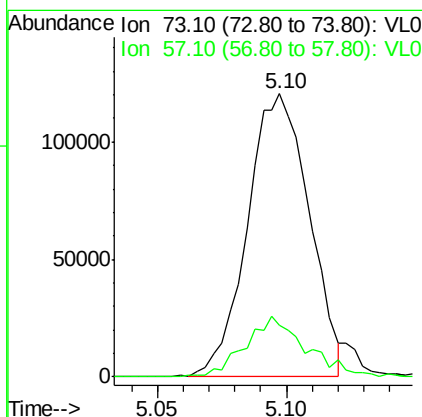
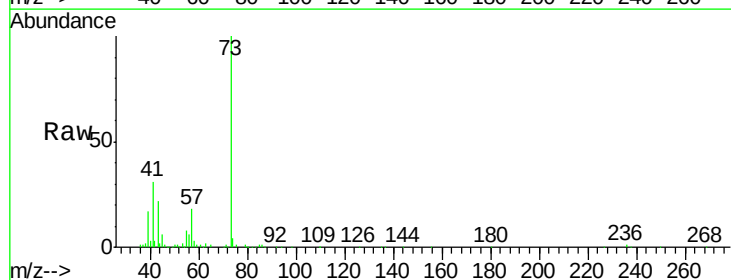
RT: 5.10 min Scan# 672

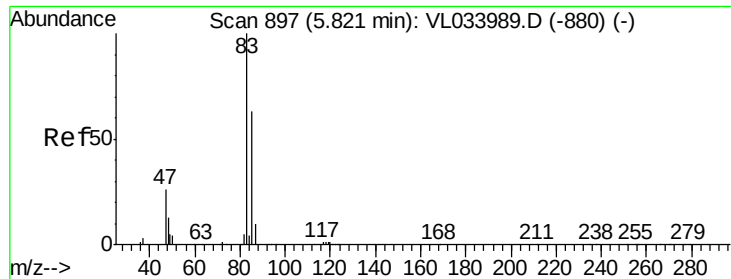
Delta R.T. 0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:	73	Resp:	199591
Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.9	25.3





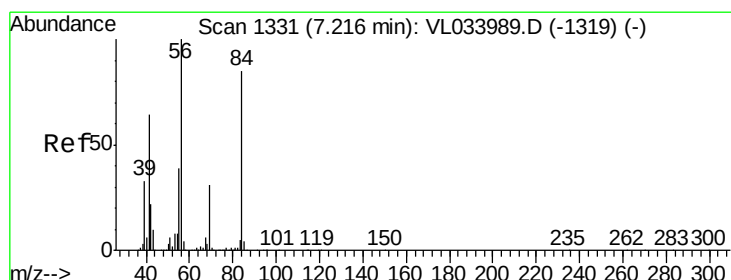
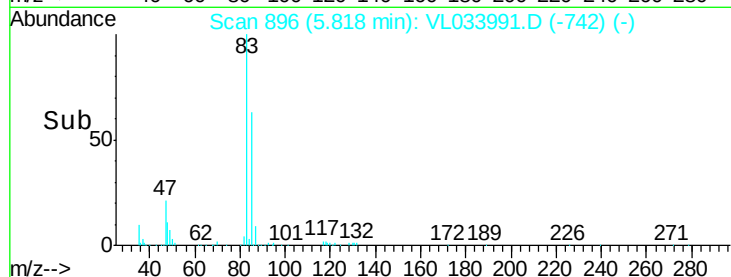
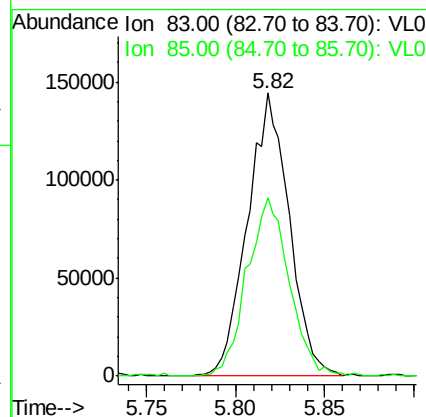
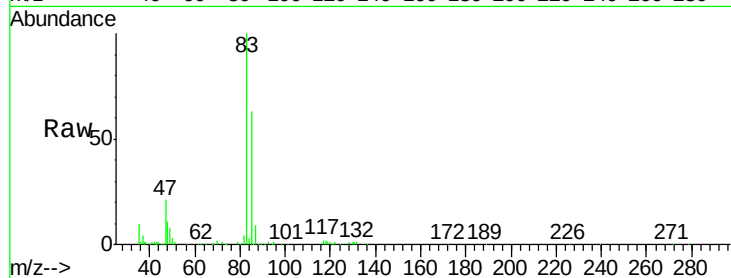
#29
Chloroform
Concen: 1.214 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	236773
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.6	75.8

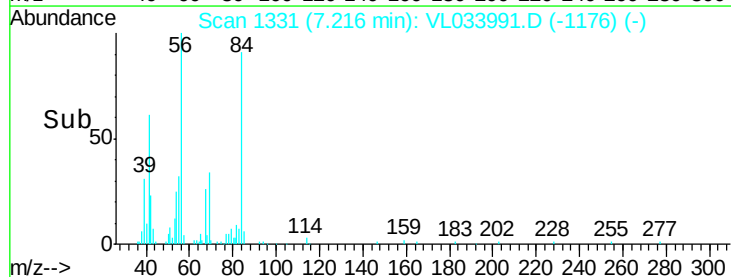
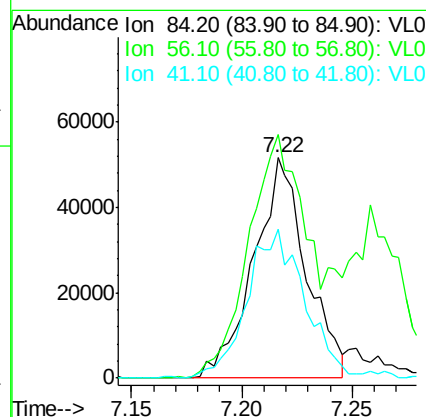
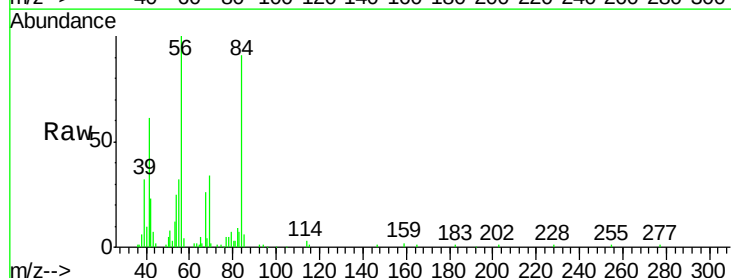
Manual Integrations
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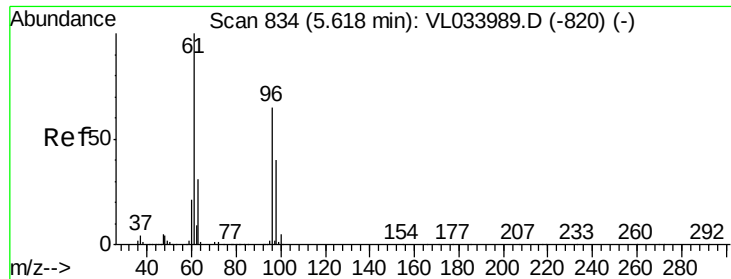
MMDadoda
7/3/2019 11:03:29 PM



#30
Cyclohexane
Concen: 1.050 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	84	Resp	84481
Ion Ratio	Lower	Upper	
84	100		
56	136.9	103.7	155.5
41	75.7	62.6	94.0





#31

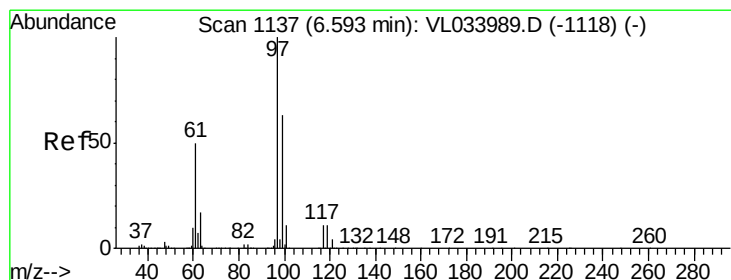
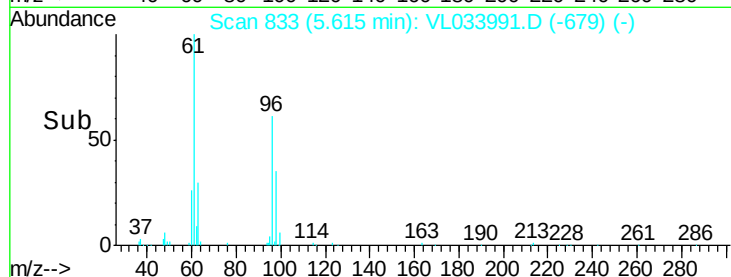
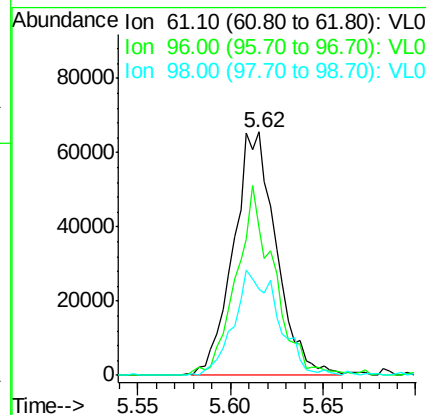
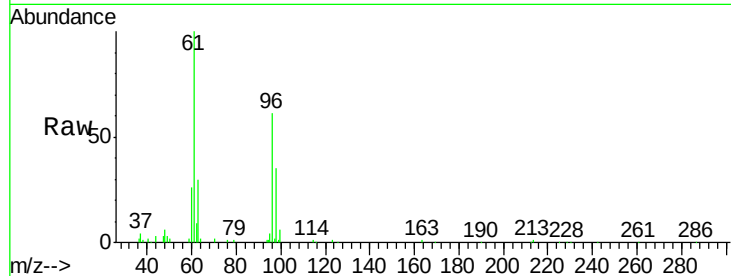
cis-1,2-Dichloroethene
Concen: 1.049 ppbv
RT: 5.62 min Scan# 833
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	61	Resp	104722
Ion	Ratio	Lower	Upper
61	100		
96	59.6	51.8	77.6
98	35.1	32.1	48.1

Manual Integrations
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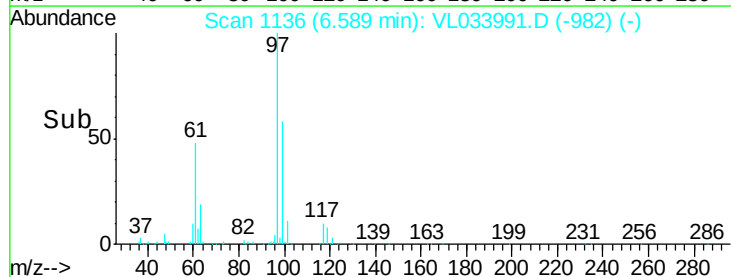
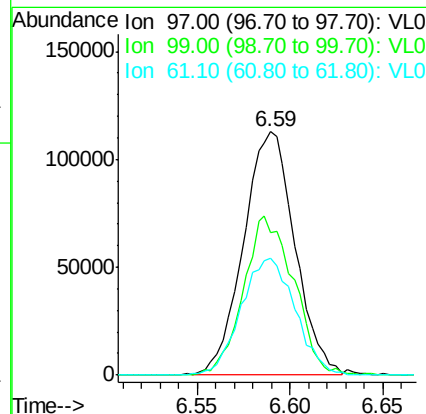
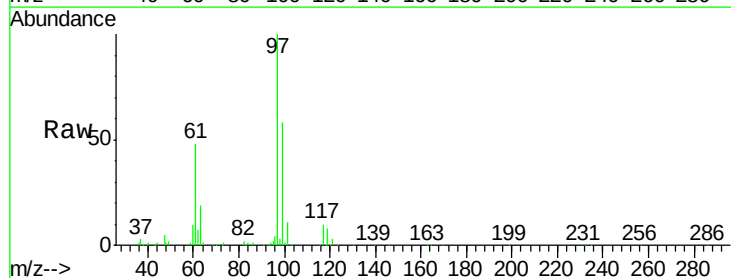
MMDadoda
7/3/2019 11:03:29 PM

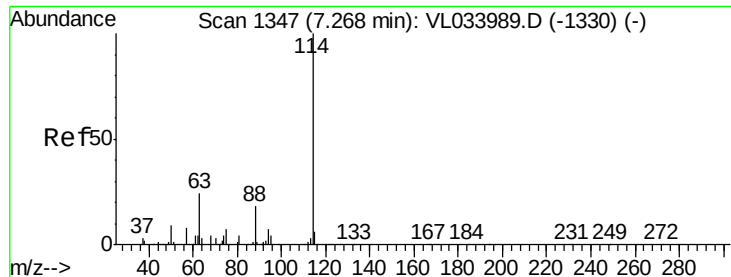


#32

1,1,1-Trichloroethane
Concen: 1.153 ppbv
RT: 6.59 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	97	Resp	217003
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	50.6	39.8	59.8





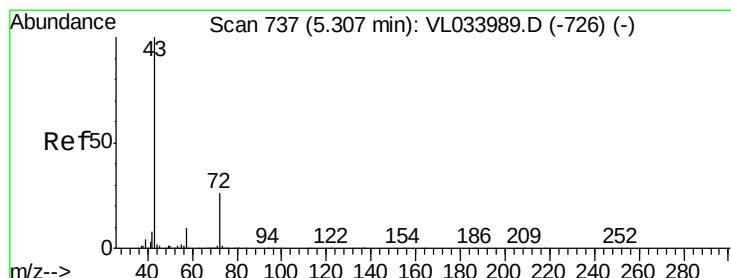
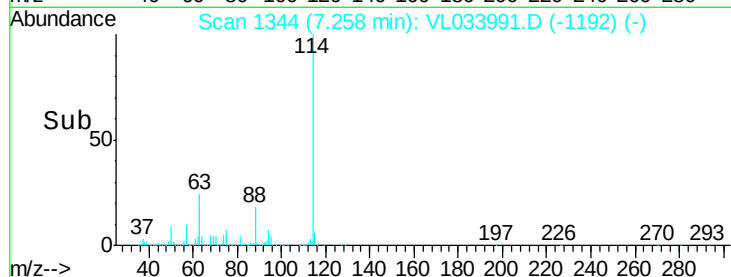
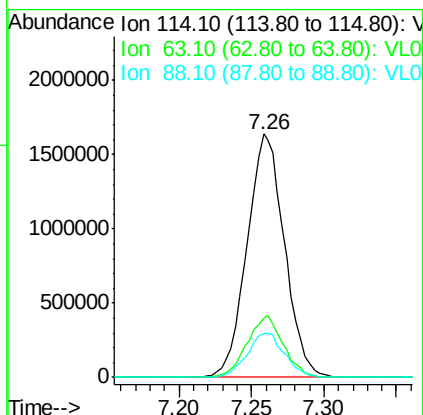
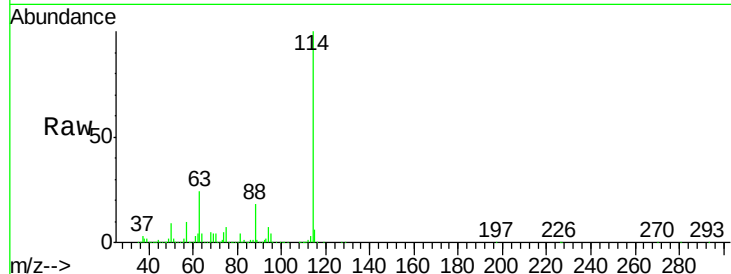
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.2	30.2
88	18.3	14.1	21.1

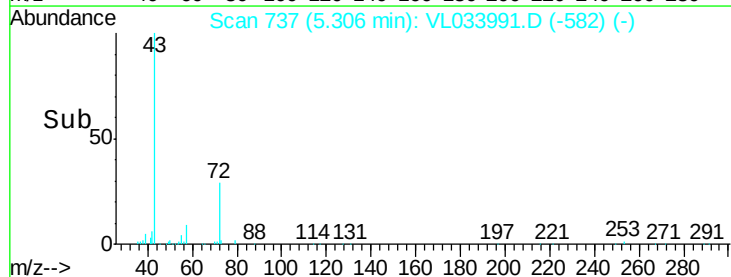
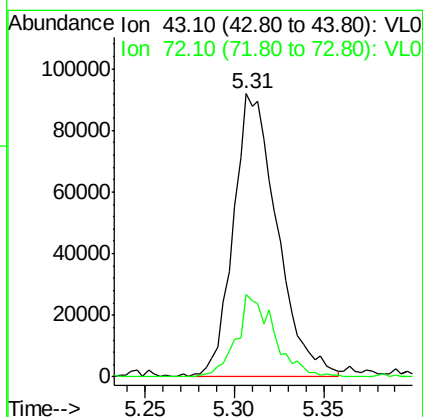
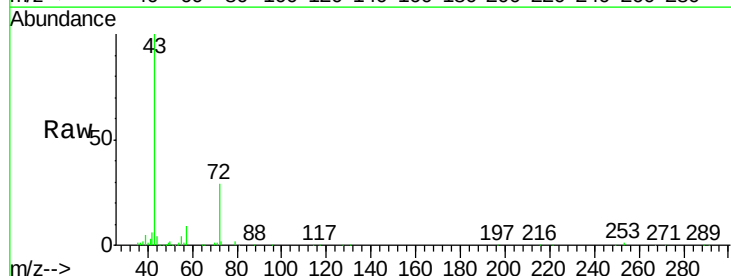
Manual Integrations
 APPROVED

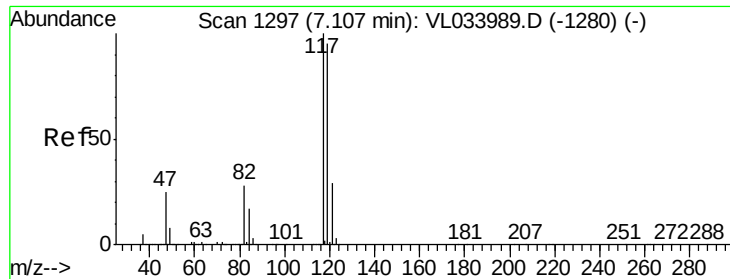
MMDadoda
 7/3/2019 11:03:29 PM



#34
 2-Butanone
 Concen: 0.945 ppbv
 RT: 5.31 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.9	29.9





#35

Carbon Tetrachloride

Concen: 1.009 ppbv

RT: 7.10 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

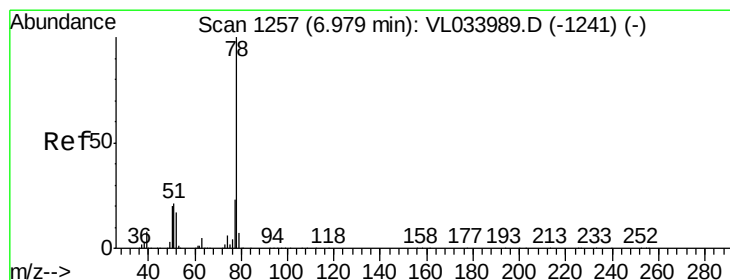
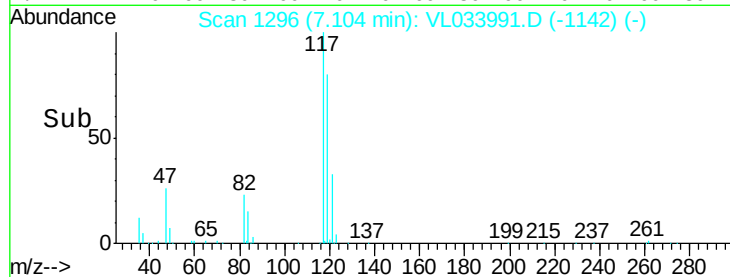
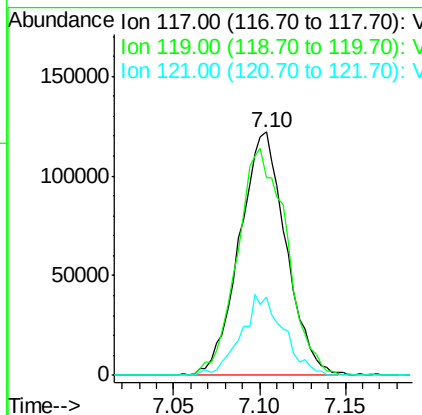
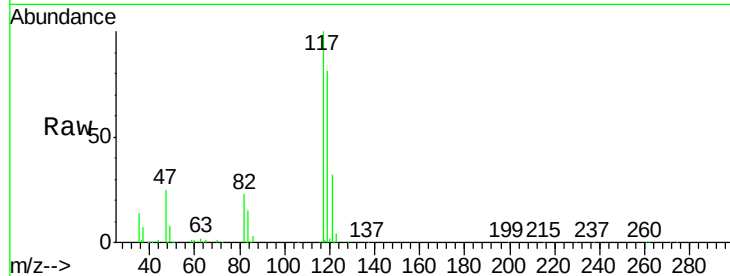
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	229121
Ion Ratio	Lower	Upper	
117	100		
119	81.1	75.8	113.6
121	32.3	23.4	35.2

Manual Integrations
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#36

Benzene

Concen: 0.974 ppbv

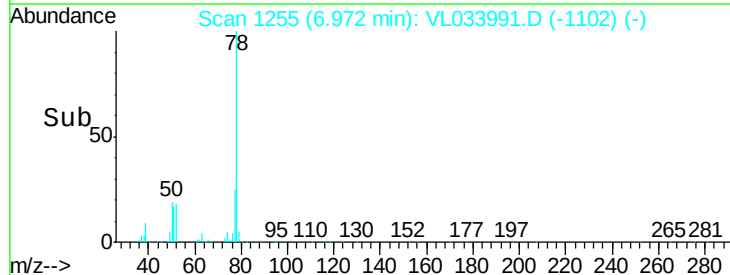
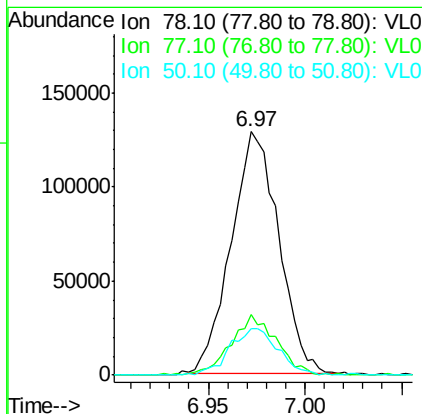
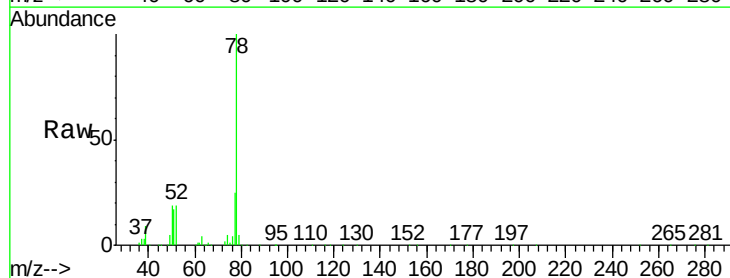
RT: 6.97 min Scan# 1255

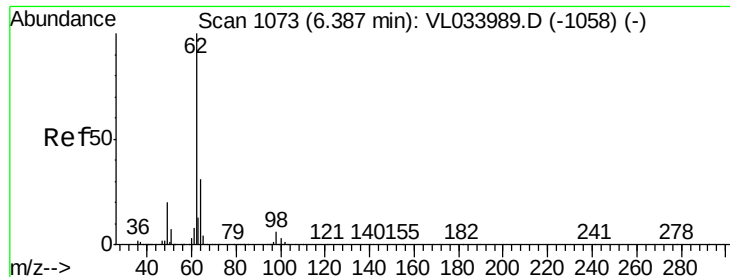
Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:	78	Resp:	218515
Ion Ratio	Lower	Upper	
78	100		
77	24.3	18.7	28.1
50	19.0	16.2	24.2





#37

1,2-Dichloroethane

Concen: 1.027 ppbv

RT: 6.38 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 170522

Ion Ratio Lower Upper

62 100

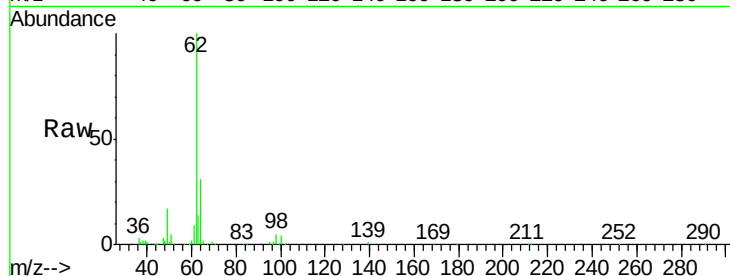
98 5.8 4.4 6.6

Manual Integrations

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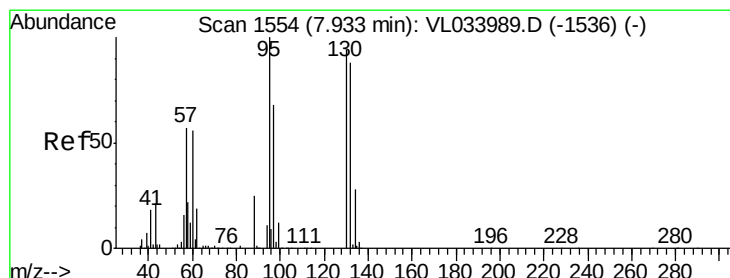
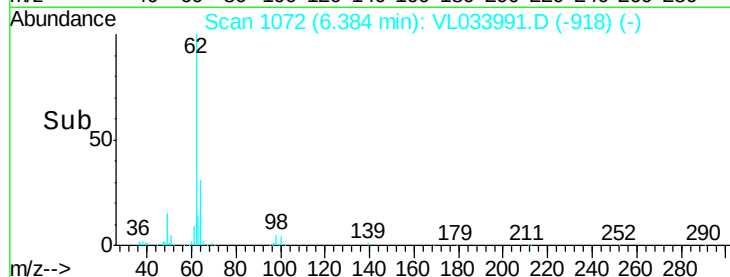
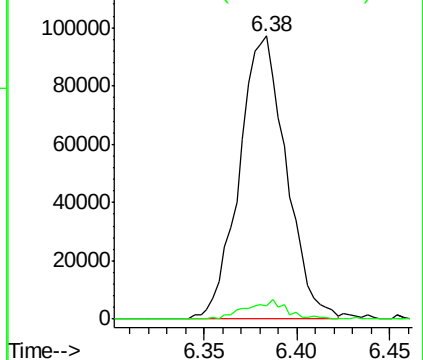
MMDadoda

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 1.082 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:130 Resp: 94533

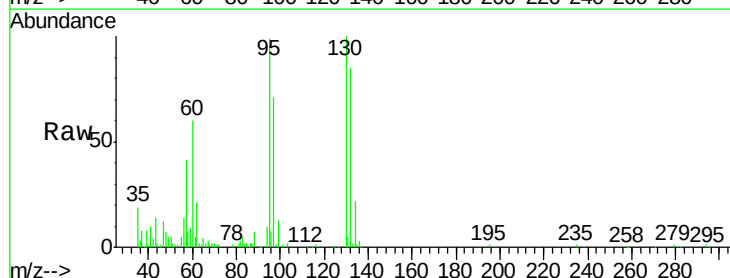
Ion Ratio Lower Upper

130 100

95 96.3 85.5 128.3

132 84.9 75.1 112.7

97 69.4 58.1 87.1

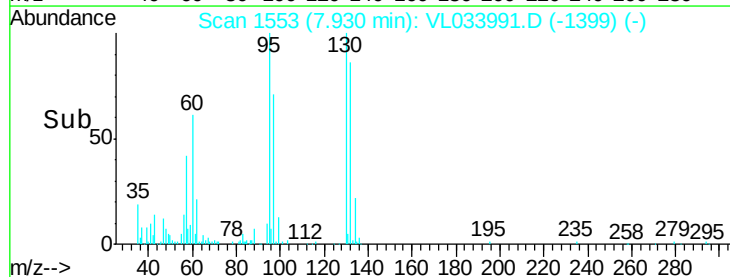
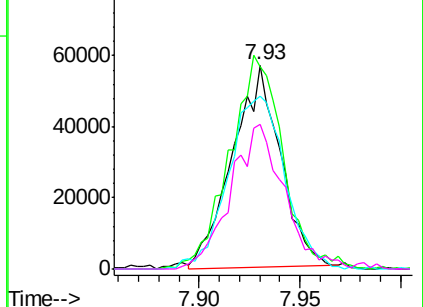


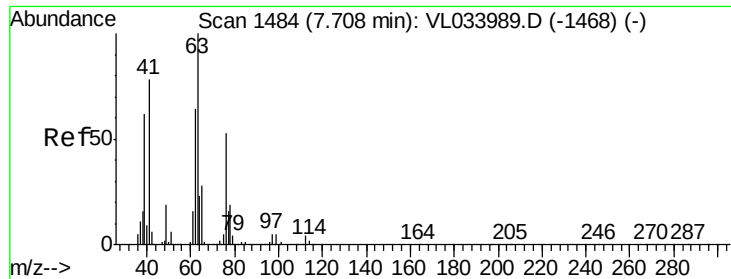
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





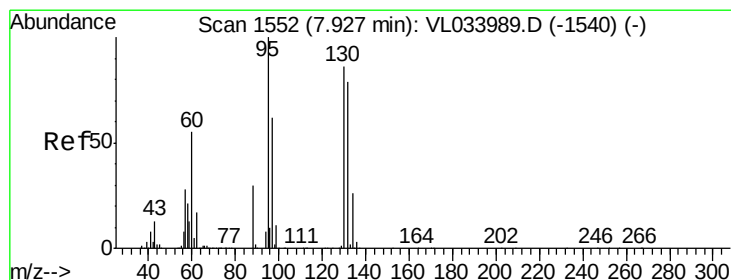
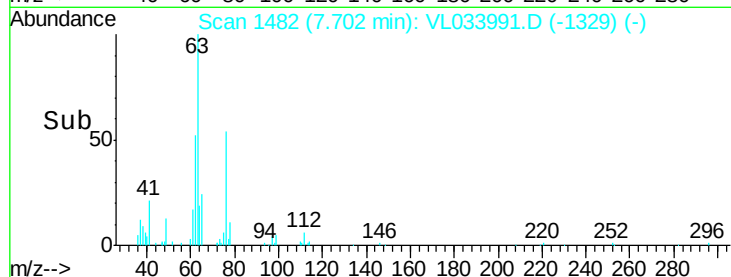
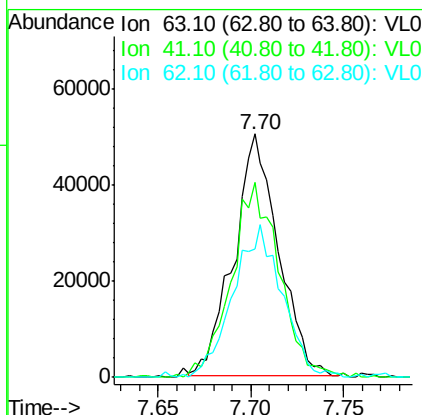
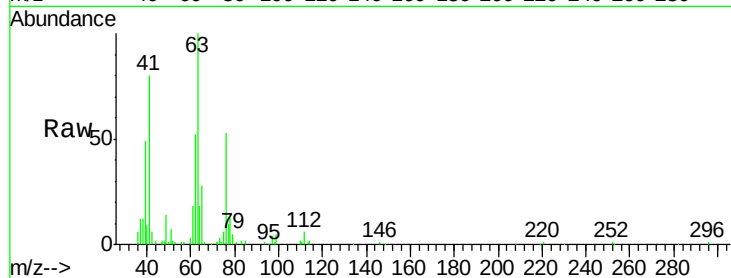
#39
 1,2-Dichloropropane
 Concen: 0.984 ppbv
 RT: 7.70 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.4	62.3	93.5
62	51.1	51.4	77.2#

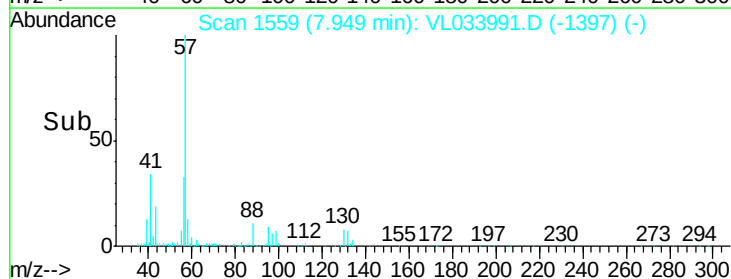
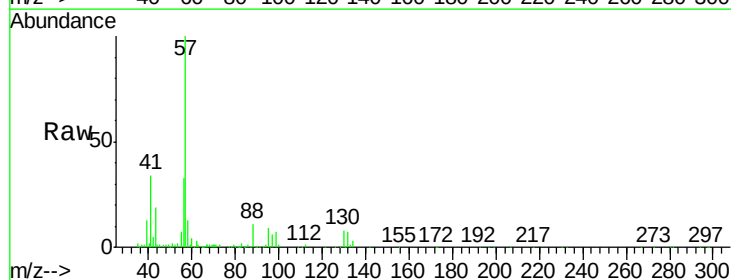
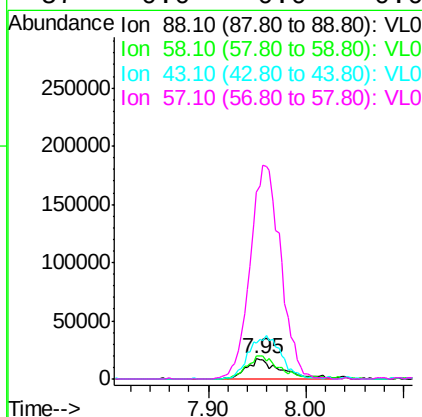
Manual Integrations
 APPROVED

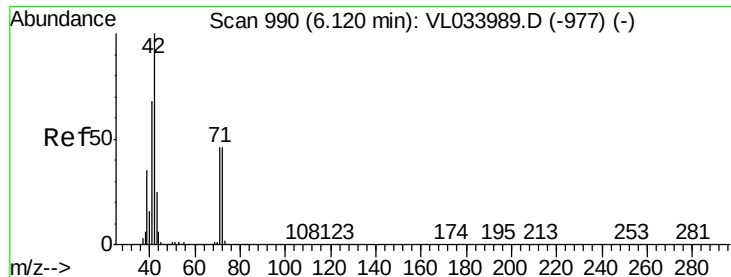
MMDadoda
 7/3/2019 11:03:29 PM



#40
 1,4-Dioxane
 Concen: 1.230 ppbv m
 RT: 7.95 min Scan# 1559
 Delta R.T. 0.02 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	107.8	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





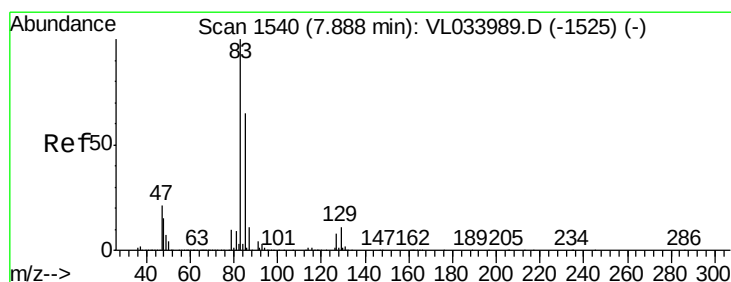
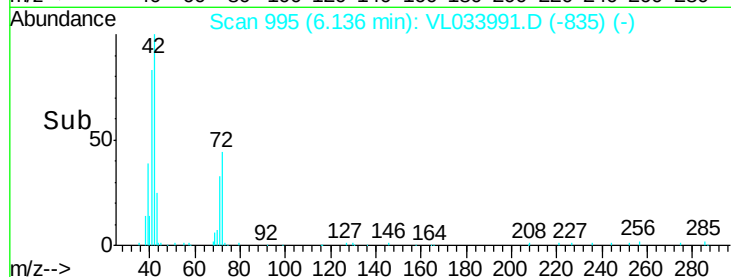
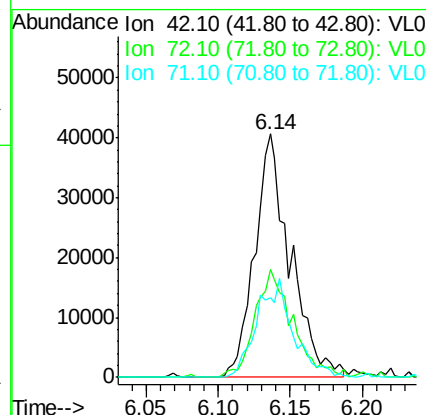
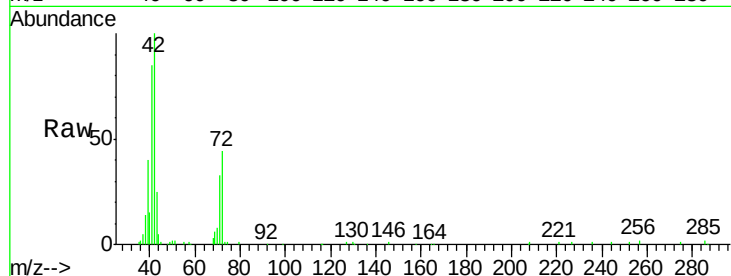
#41
Tetrahydrofuran
Concen: 0.827 ppbv m
RT: 6.14 min Scan# 995
Delta R.T. 0.02 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.3	55.9
71	41.1	36.2	54.2

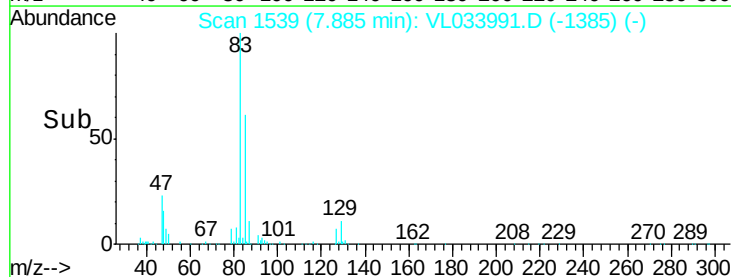
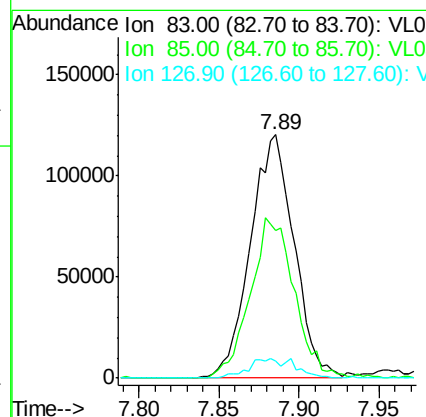
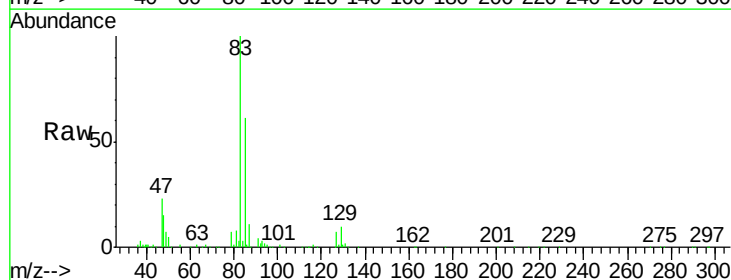
Manual Integrations
APPROVED

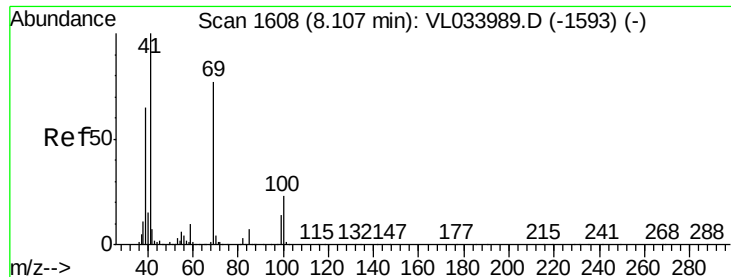
MMDadoda
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#42
Bromodichloromethane
Concen: 1.016 ppbv
RT: 7.89 min Scan# 1539
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.8	77.8
127	7.3	6.5	9.7





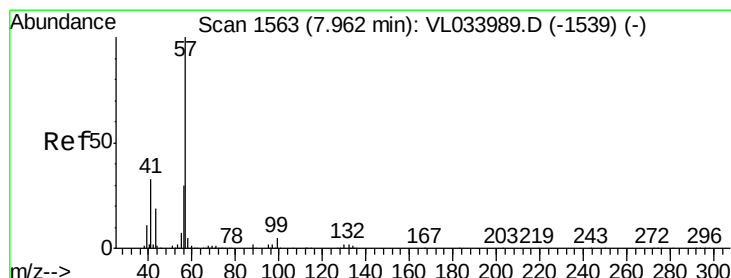
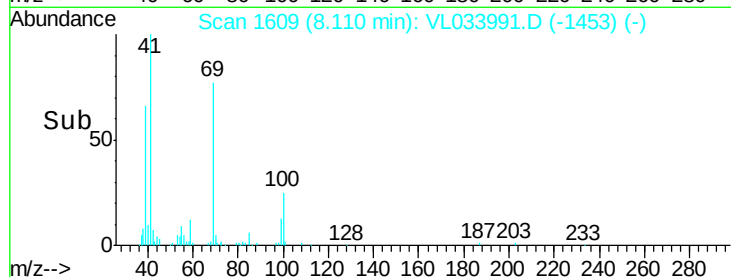
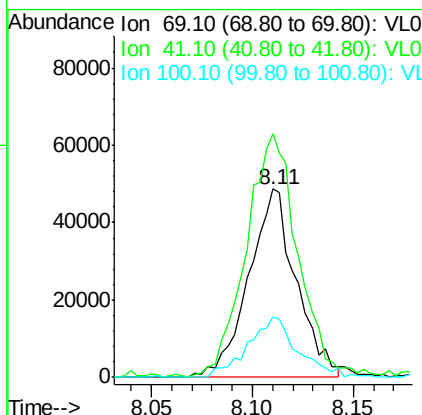
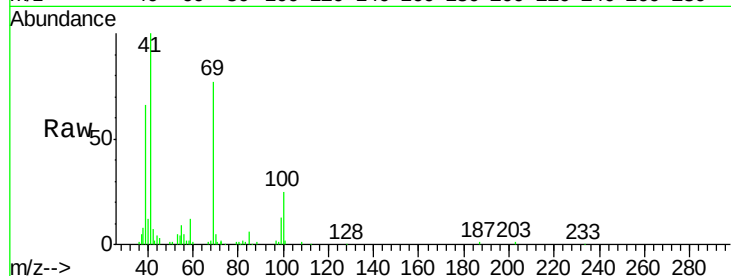
#43
Methyl Methacrylate
Concen: 0.954 ppbv
RT: 8.11 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	141.9	109.1	163.7	
100	33.6	25.3	37.9	

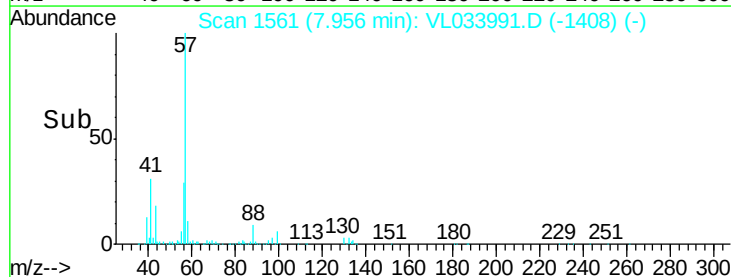
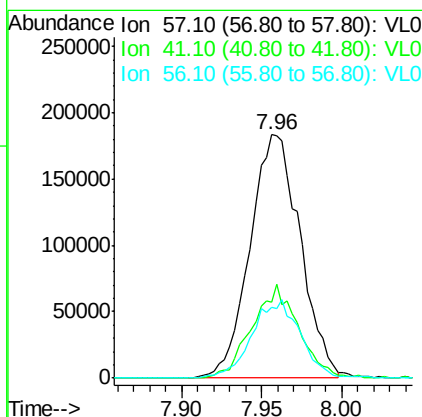
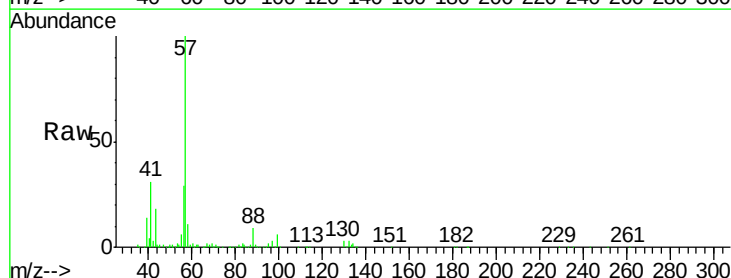
Manual Integrations
APPROVED

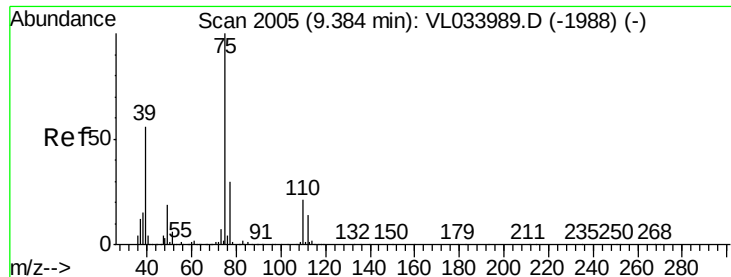
MMDadoda
7/3/2019 11:03:29 PM



#44
2,2,4-Trimethylpentane
Concen: 0.992 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.6	26.1	39.1	
56	31.2	24.4	36.6	





#45

t-1,3-Dichloropropene

Concen: 0.827 ppbv

RT: 9.38 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 91098

Ion Ratio Lower Upper

75 100

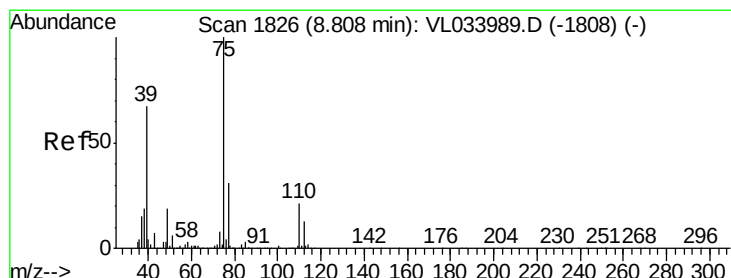
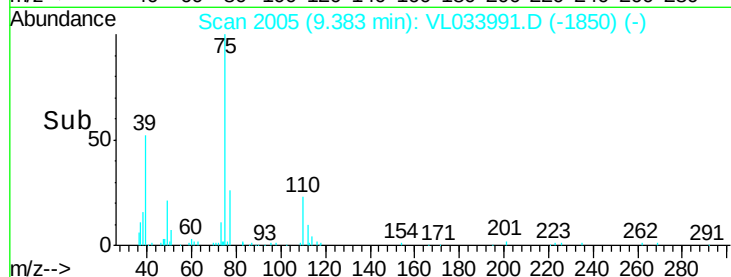
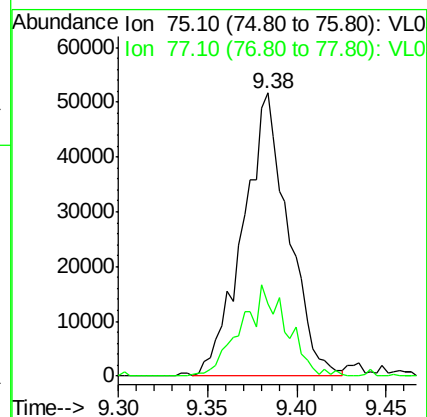
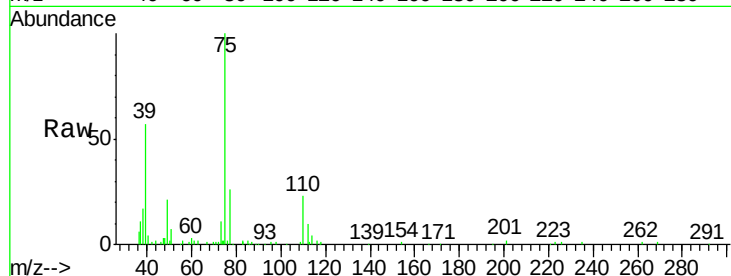
77 25.5 24.3 36.5

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#46

cis-1,3-Dichloropropene

Concen: 0.891 ppbv m

RT: 8.80 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

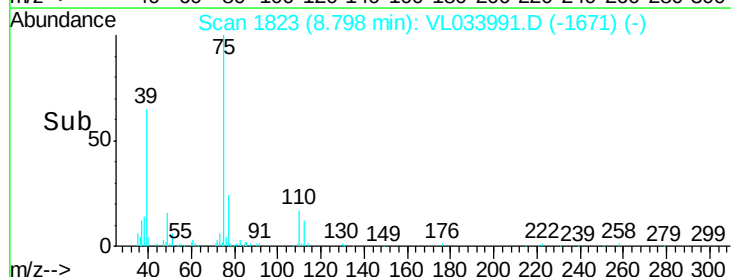
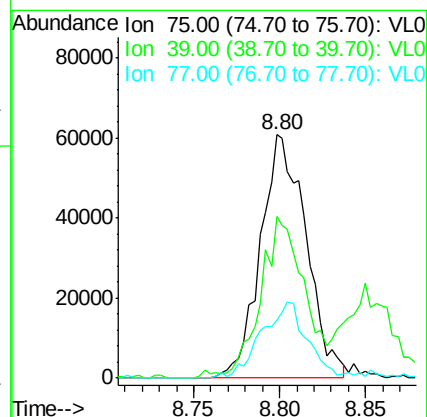
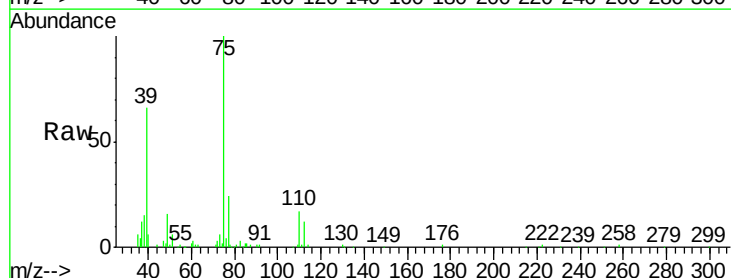
Tgt Ion: 75 Resp: 112412

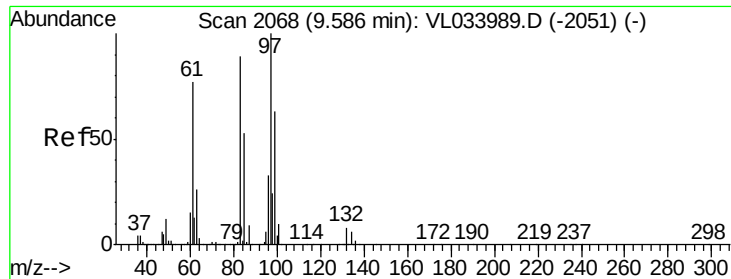
Ion Ratio Lower Upper

75 100

39 66.3 53.8 80.6

77 23.9 24.5 36.7#





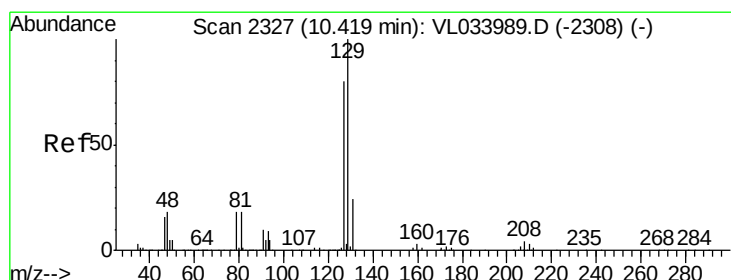
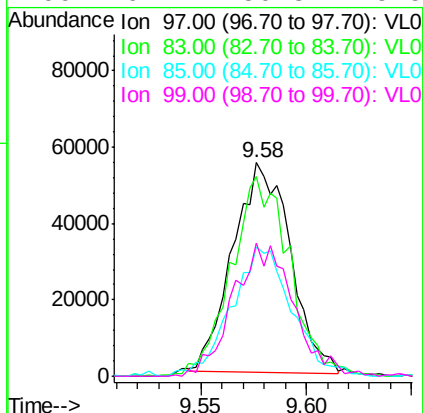
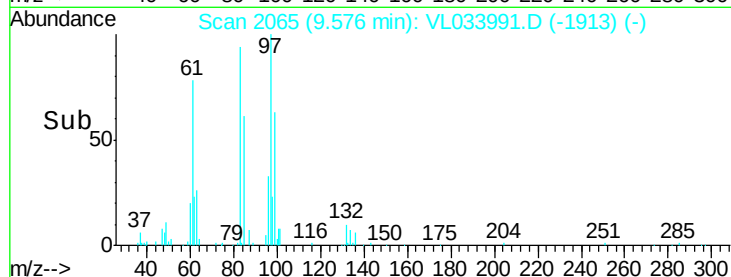
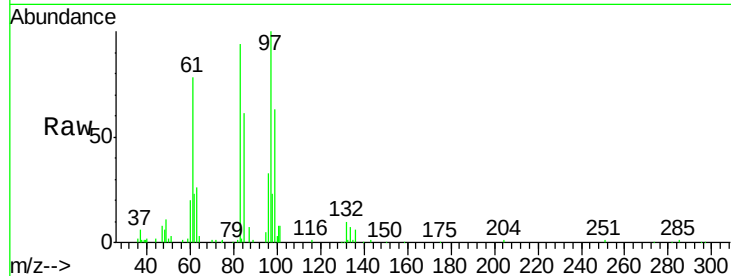
#47
1,1,2-Trichloroethane
Concen: 1.007 ppbv
RT: 9.58 min Scan# 2065
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.0	71.1	106.7	
85	59.6	42.6	64.0	
99	61.2	50.3	75.5	

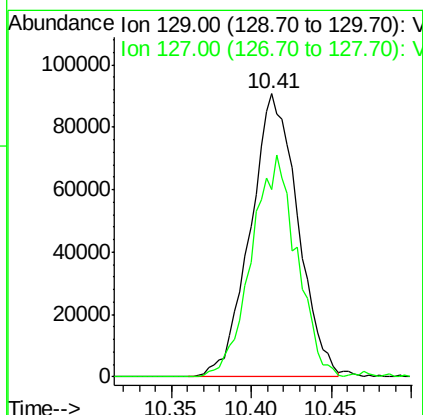
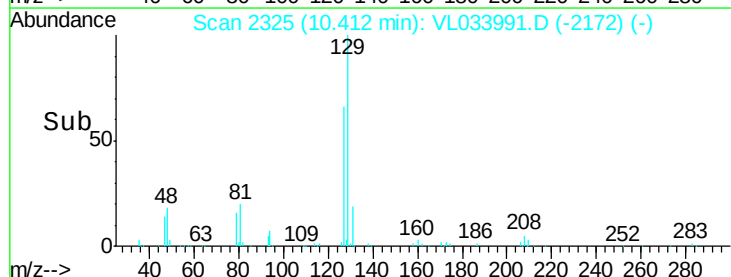
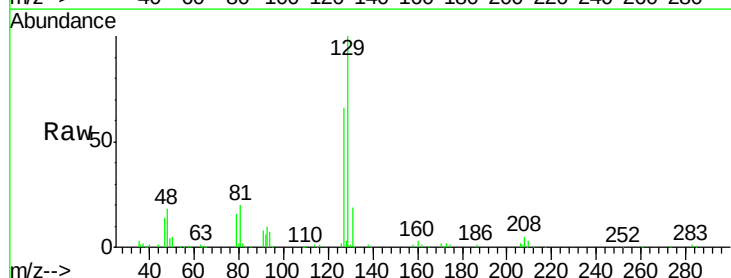
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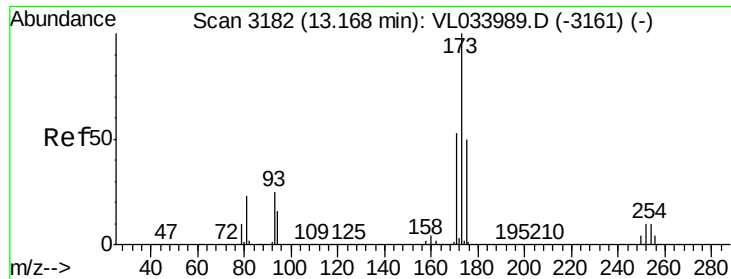
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#48
Dibromochloromethane
Concen: 1.001 ppbv
RT: 10.41 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	75.7	39.1	117.3	





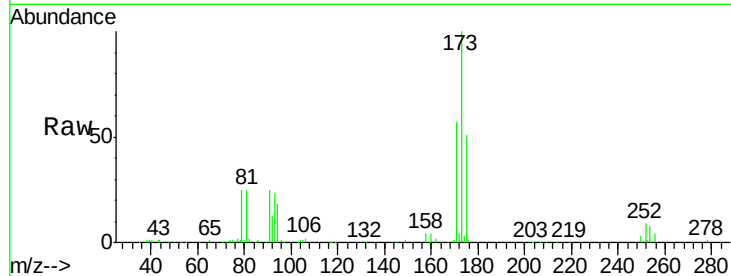
#49
Bromoform
Concen: 1.038 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

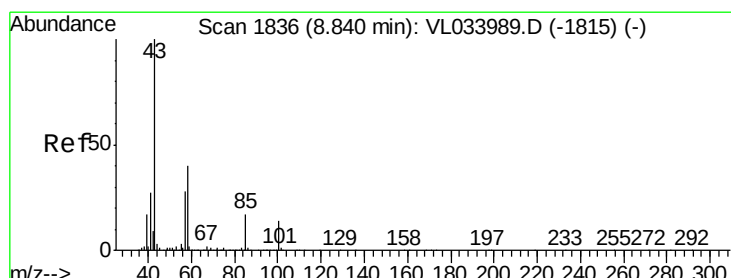
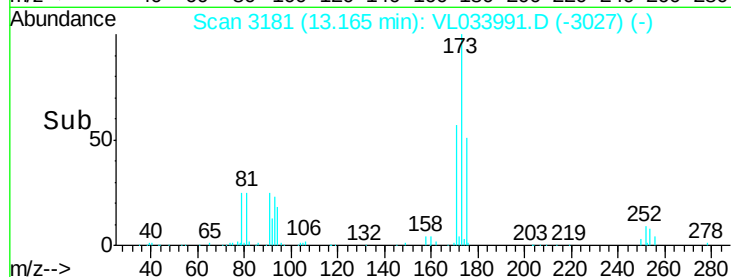
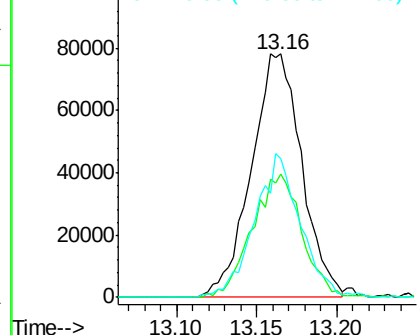
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.3	58.9
171	53.3	41.4	62.0

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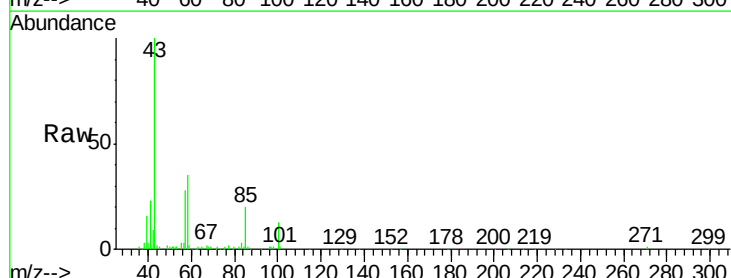


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

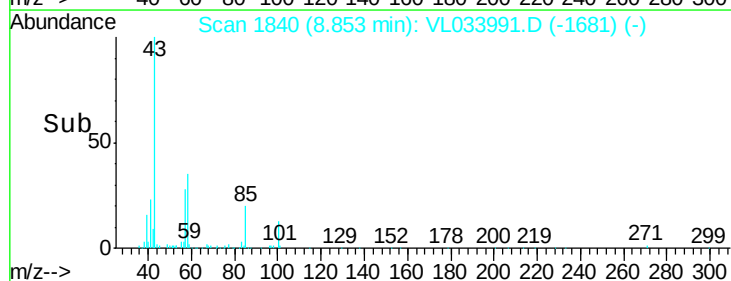
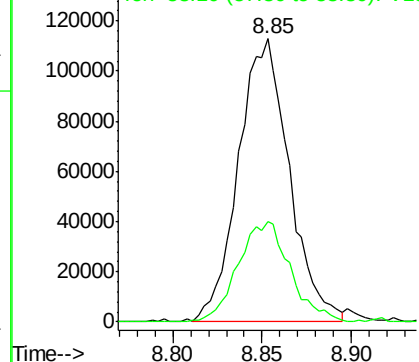


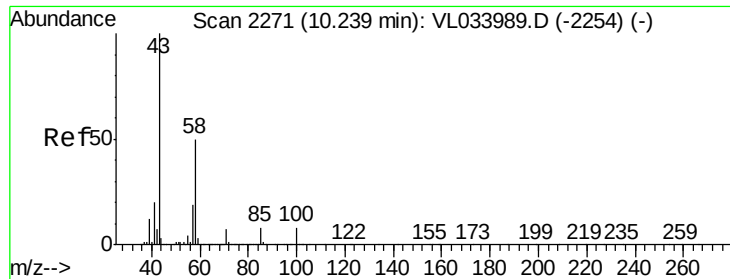
#50
4-Methyl-2-Pentanone
Concen: 0.910 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. 0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.3	45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





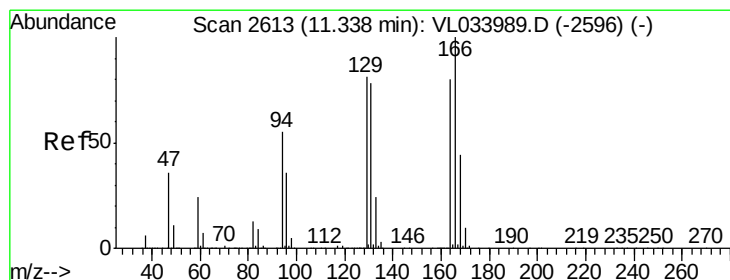
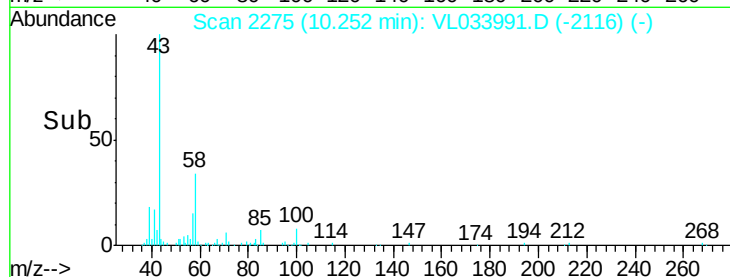
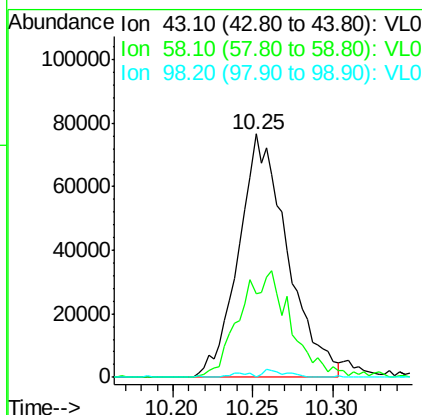
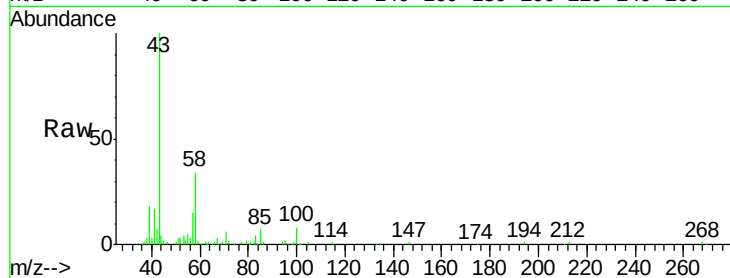
#51
2-Hexanone
Concen: 0.822 ppbv
RT: 10.25 min Scan# 2275
Delta R.T. 0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	41.0	61.4
98	2.3	0.2	0.2#

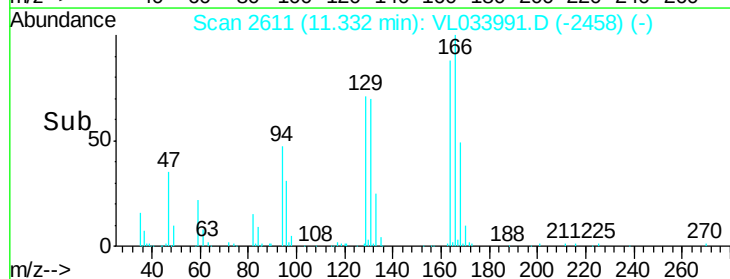
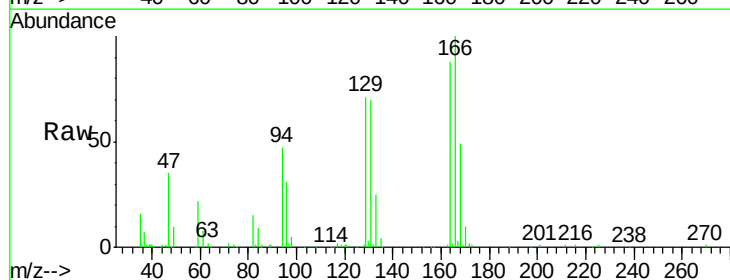
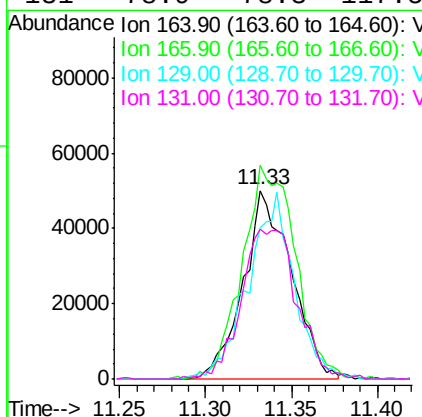
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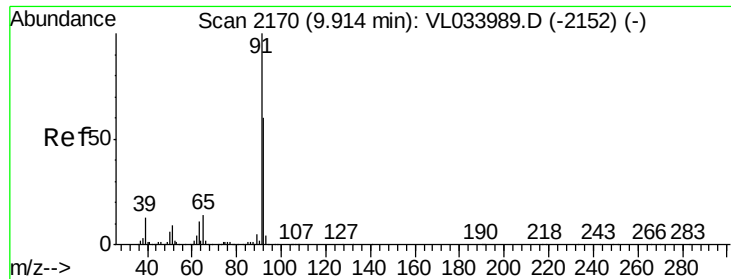
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#52
Tetrachloroethene
Concen: 1.228 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.1	100.2	150.2
129	79.0	81.0	121.6#
131	78.9	78.3	117.5





#53

Toluene

Concen: 0.967 ppbv

RT: 9.91 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 240141

Ion Ratio Lower Upper

91 100

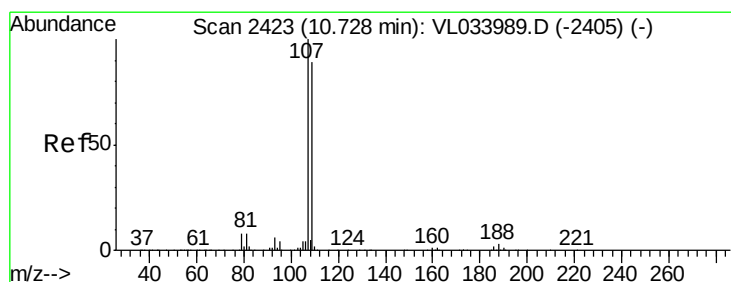
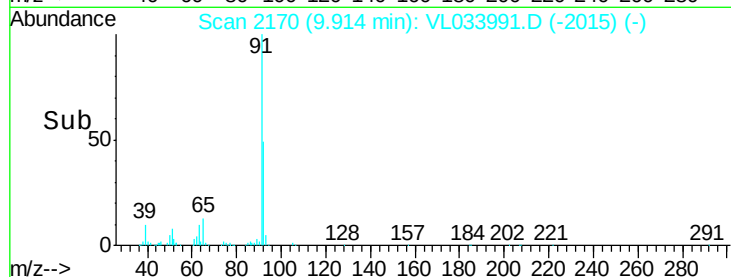
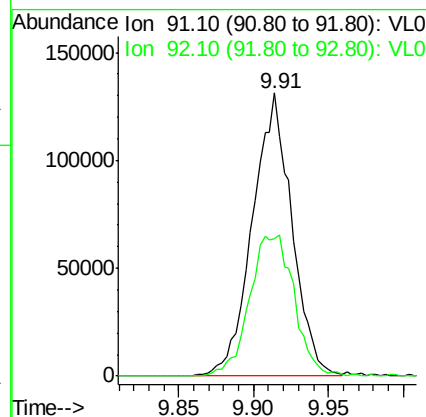
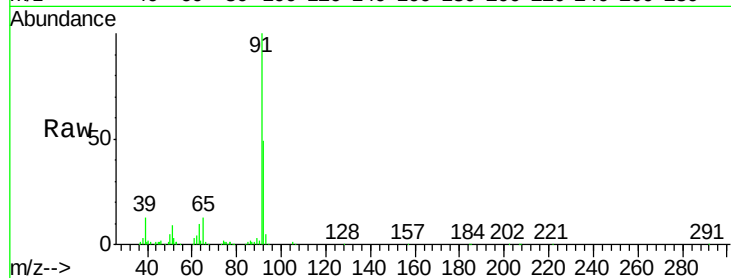
92 56.7 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 0.999 ppbv

RT: 10.72 min Scan# 2422

Delta R.T. -0.00 min

Lab File: VL033991.D

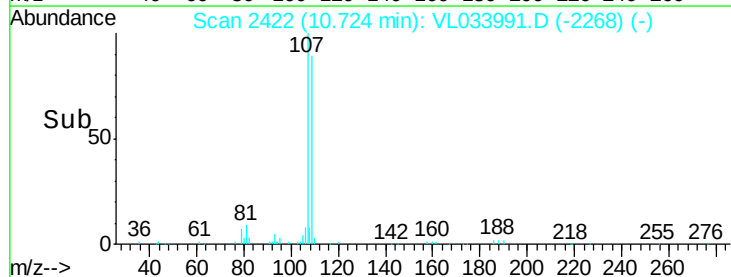
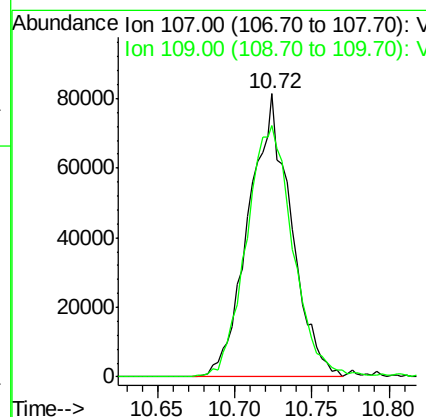
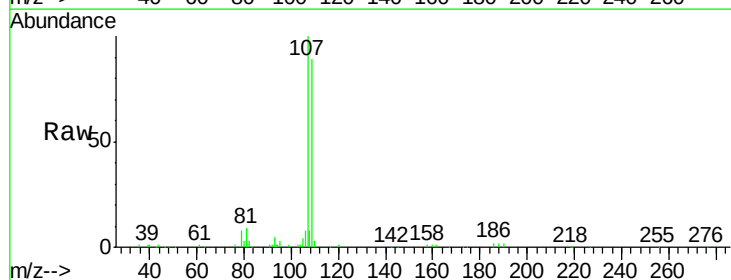
Acq: 2 Jul 2019 14:59

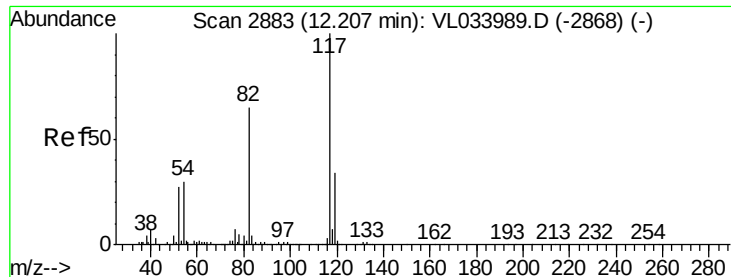
Tgt Ion: 107 Resp: 155484

Ion Ratio Lower Upper

107 100

109 88.8 71.5 107.3





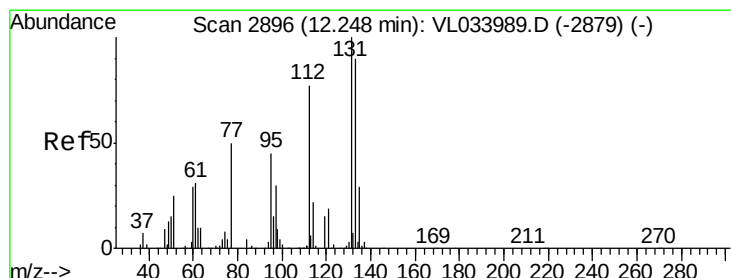
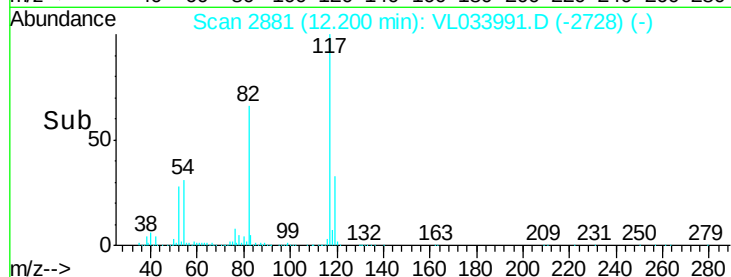
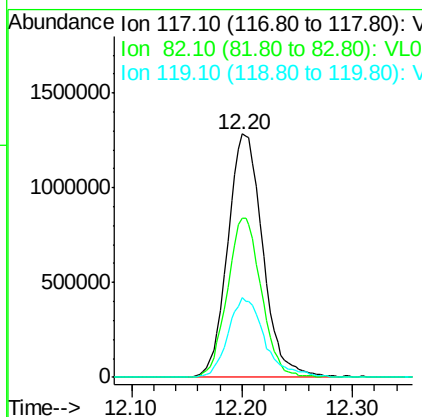
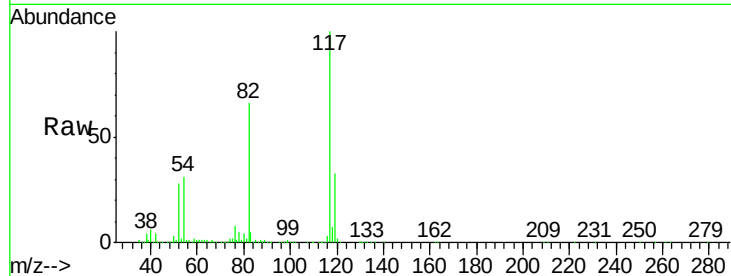
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	50.8	76.2
119	34.5	24.0	36.0

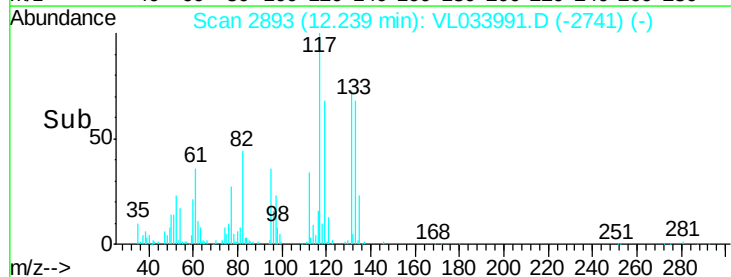
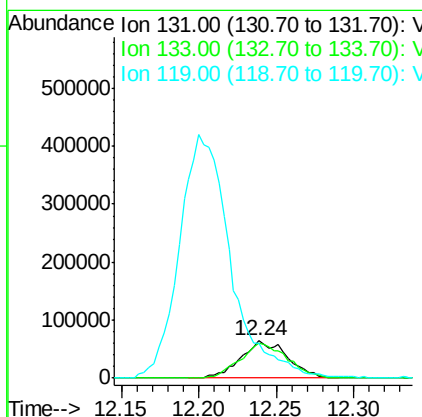
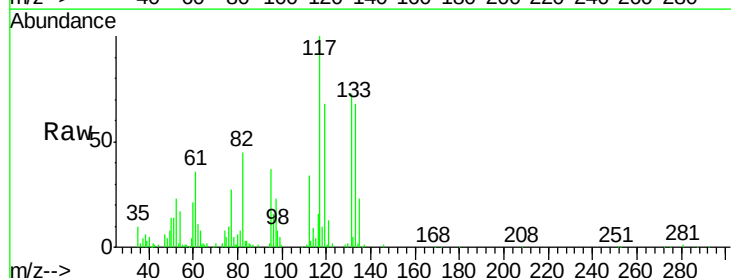
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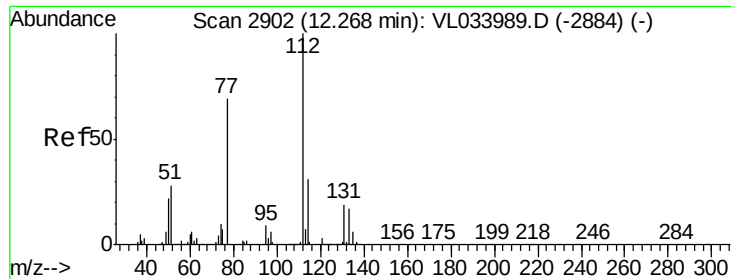
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.086 ppbv m
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	0.0	43.1	64.7#





#57

Chlorobenzene

Concen: 1.132 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

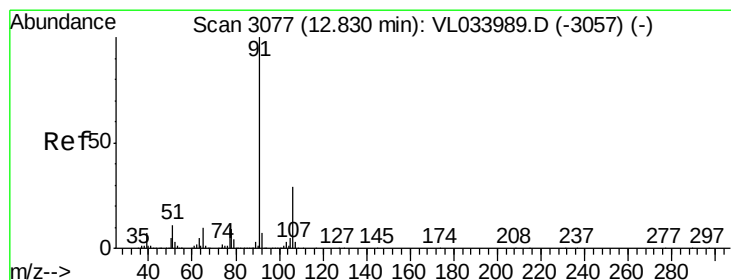
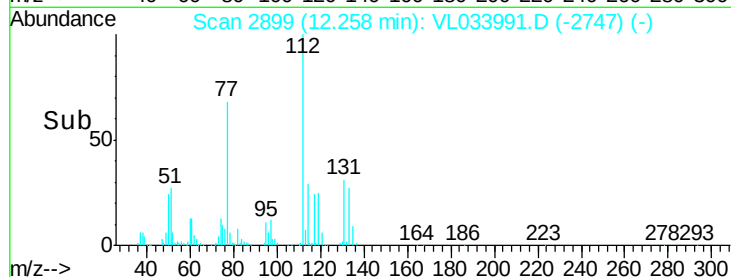
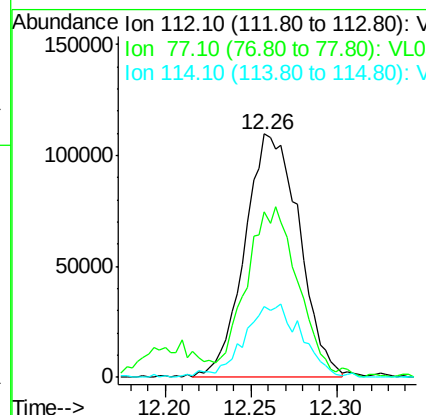
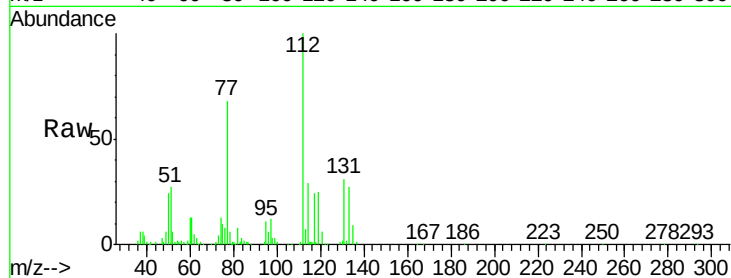
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	239528
Ion Ratio	Lower	Upper	
112	100		
77	64.2	55.9	83.9
114	28.5	27.6	33.8

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#58

Ethyl Benzene

Concen: 1.065 ppbv

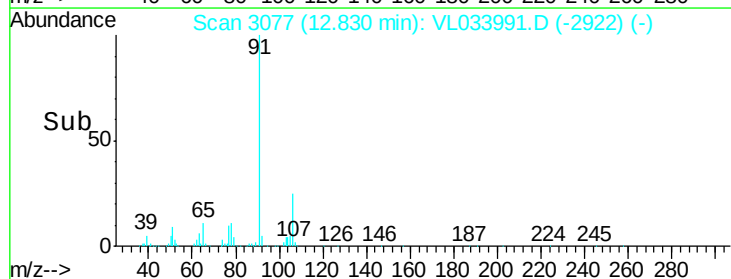
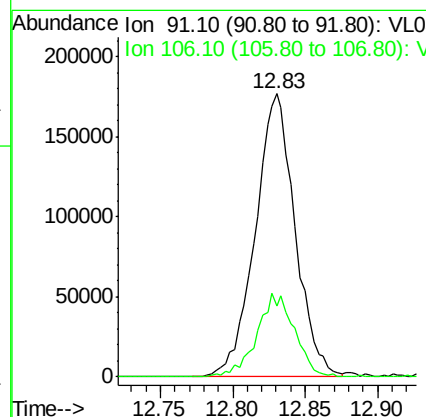
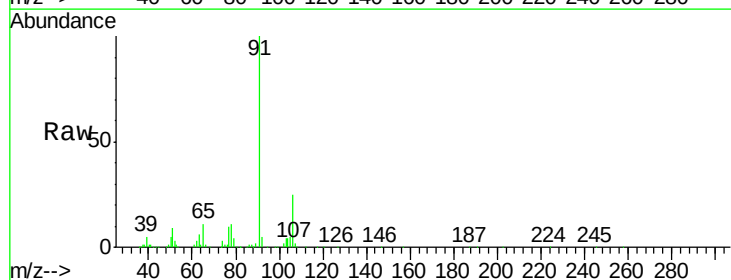
RT: 12.83 min Scan# 3077

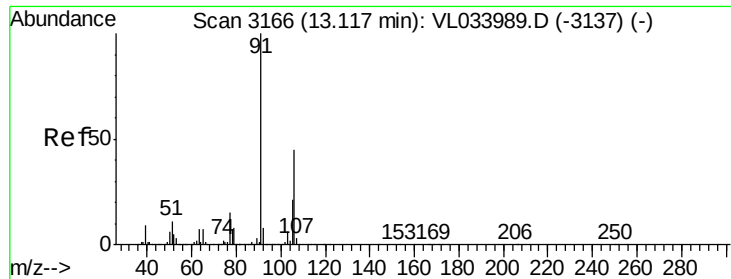
Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:	91	Resp:	339182
Ion Ratio	Lower	Upper	
91	100		
106	25.1	23.3	34.9





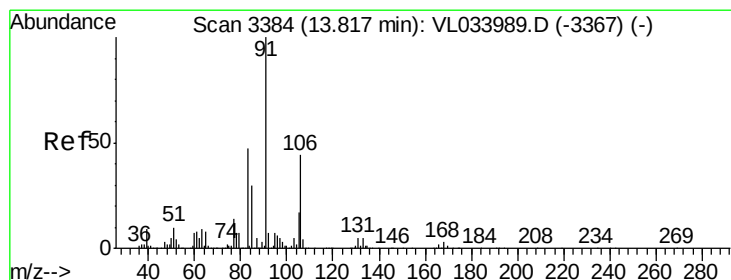
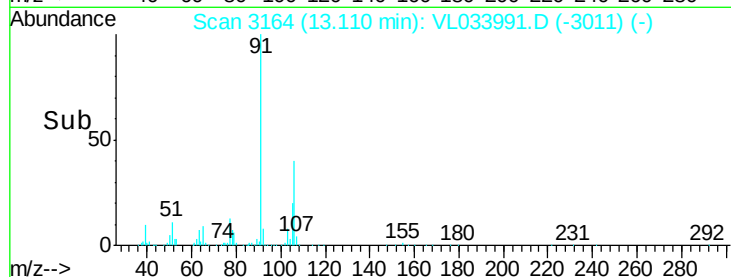
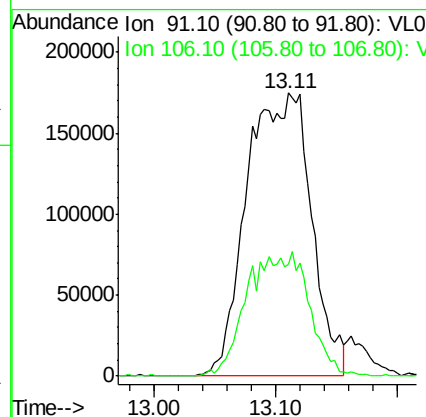
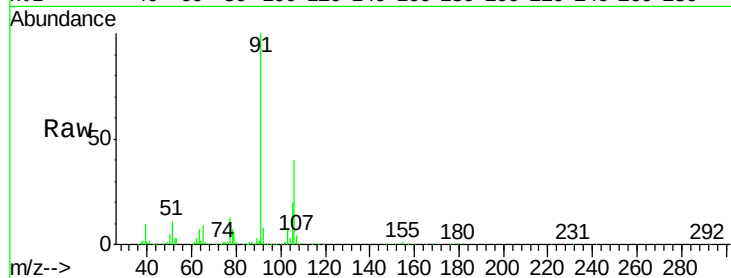
#59
m/p-Xylene
Concen: 2.223 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 643808
Ion Ratio Lower Upper
91 100
106 42.1 35.7 53.5

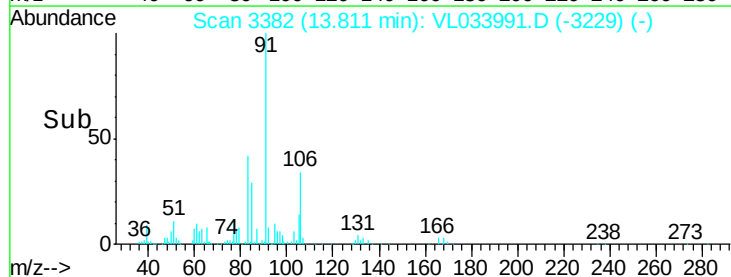
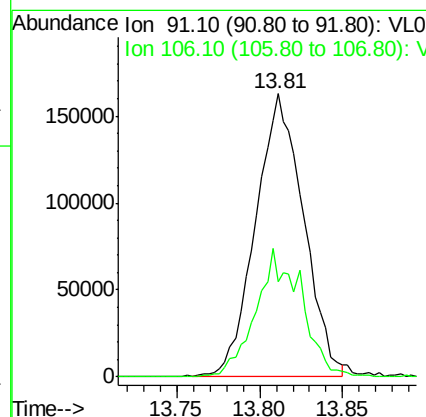
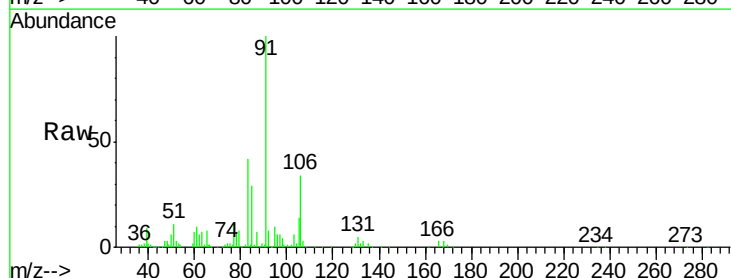
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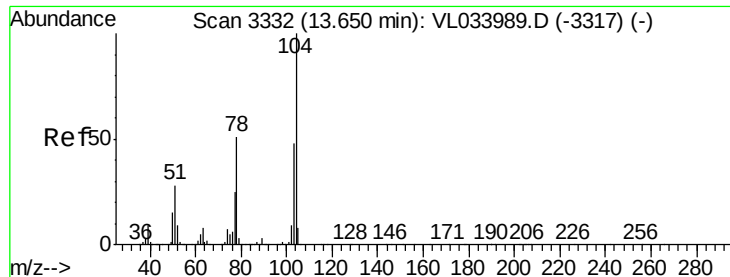
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#60
o-Xylene
Concen: 1.091 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion: 91 Resp: 326088
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.7





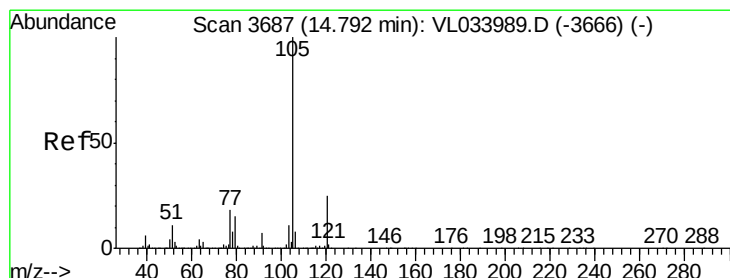
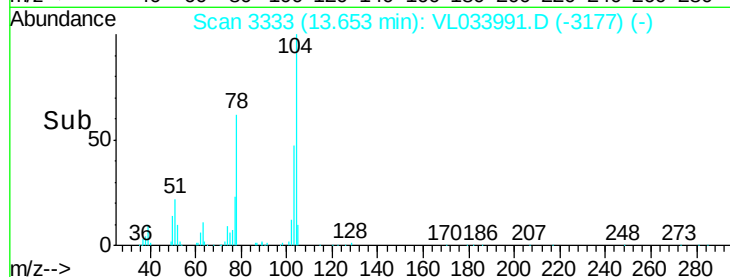
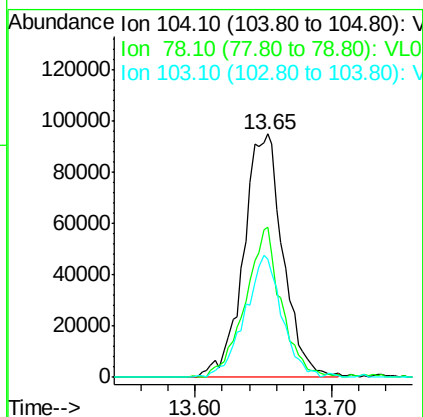
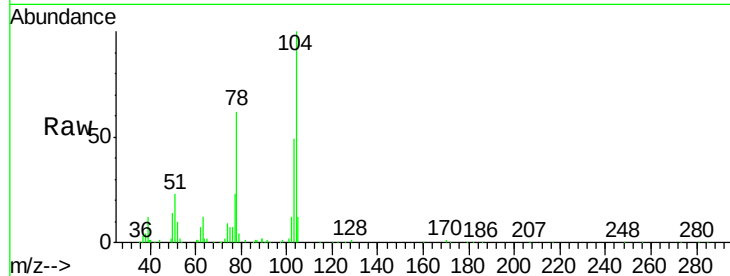
#61
Stvrene
Concen: 0.981 ppbv m
RT: 13.65 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.9	65.9#
103	0.0	38.1	57.1#

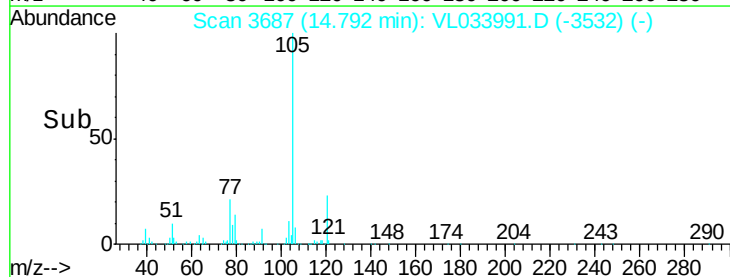
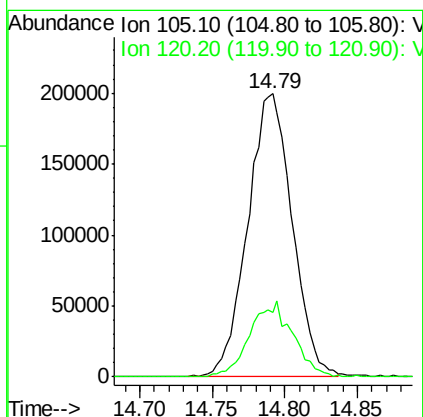
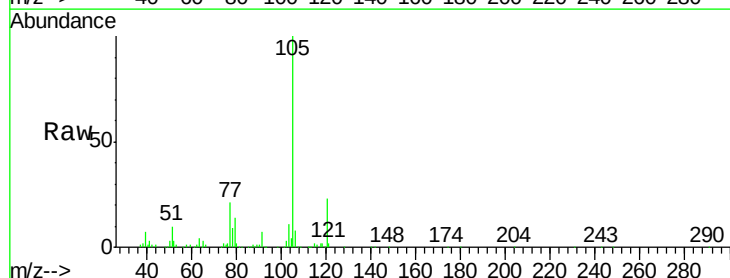
Manual Integrations
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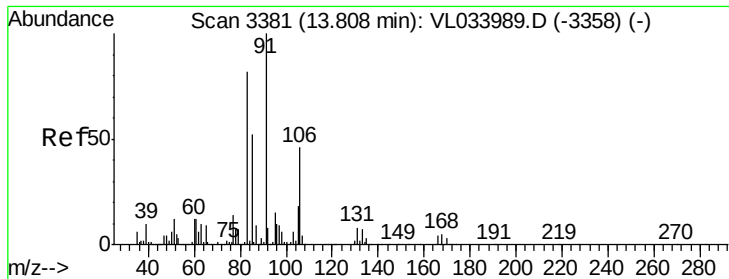
MMDadoda
7/3/2019 11:03:29 PM



#62
Isopropylbenzene
Concen: 1.056 ppbv
RT: 14.79 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 1.098 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

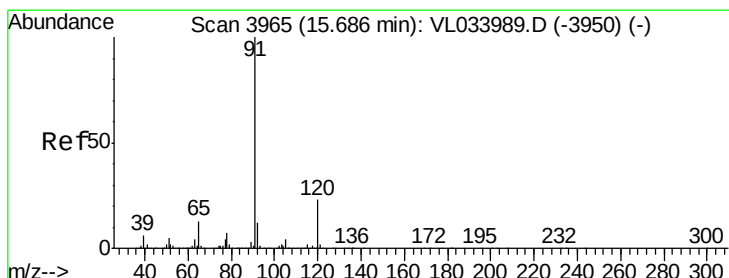
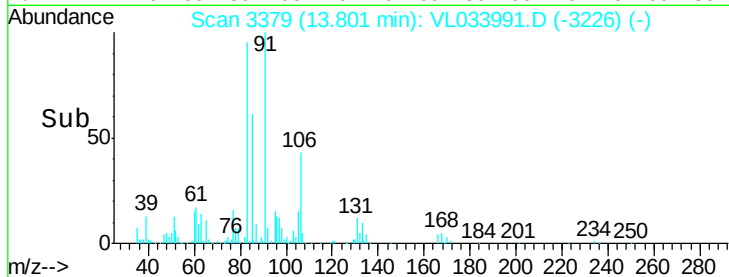
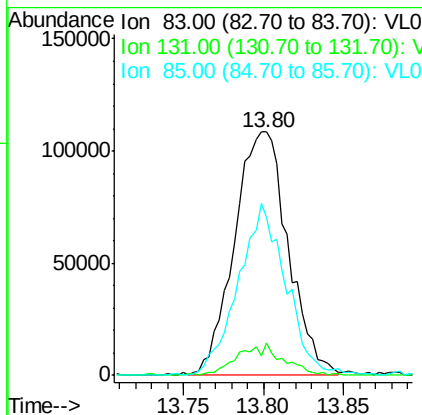
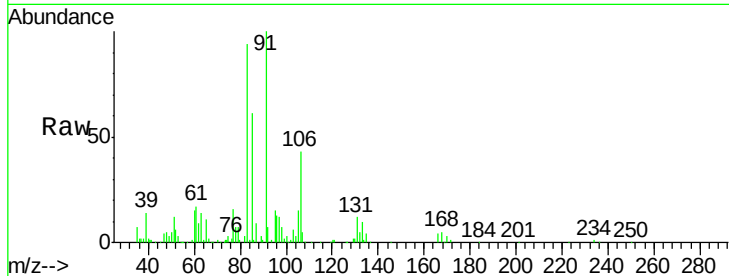
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	247100
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	14.9
85	64.3	32.8	98.3

Manual Integrations
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7/3/2019 11:03:29 PM



#64

n-propylbenzene

Concen: 1.098 ppbv m

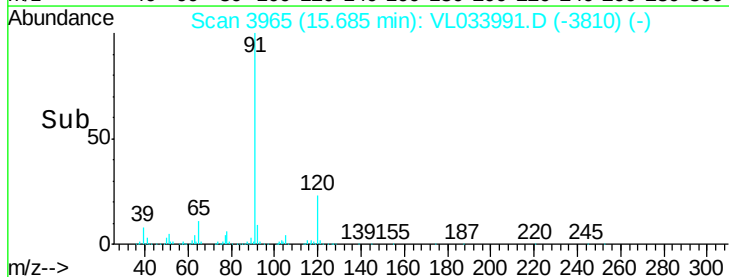
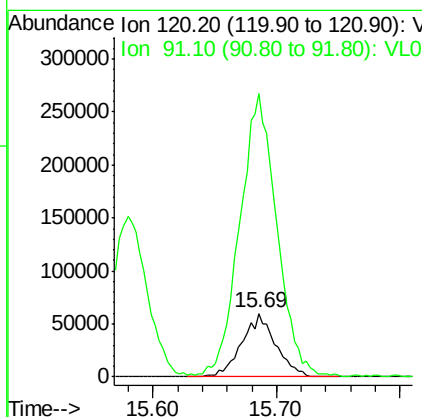
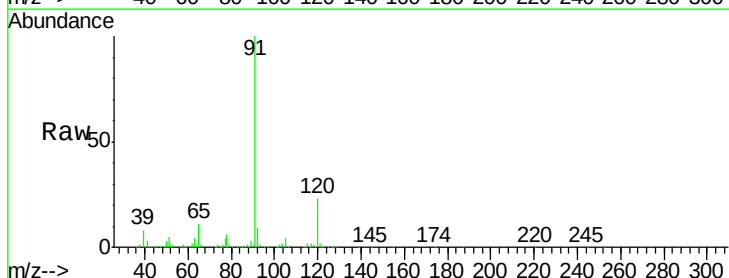
RT: 15.69 min Scan# 3965

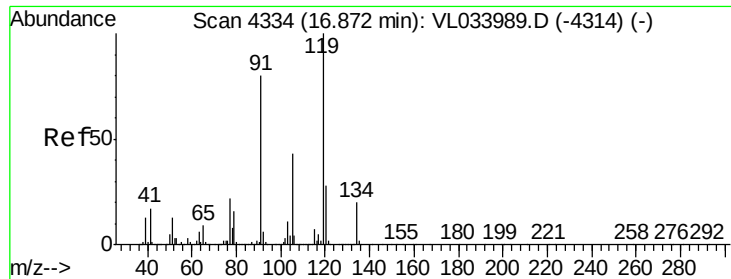
Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:	120	Resp:	113332
Ion Ratio	Lower	Upper	
120	100		
91	490.8	386.6	579.8





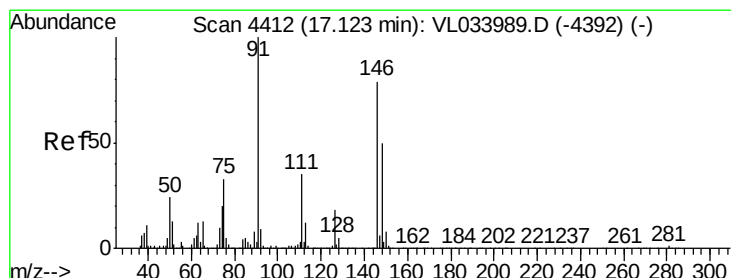
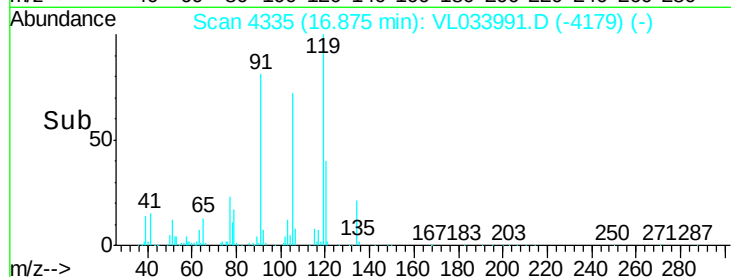
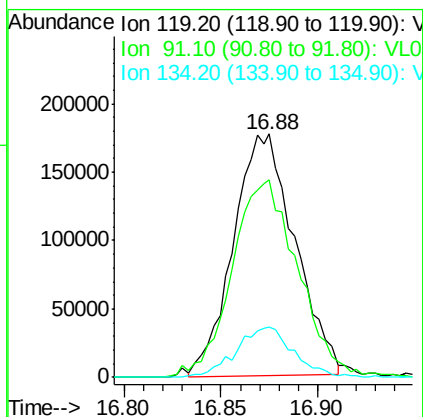
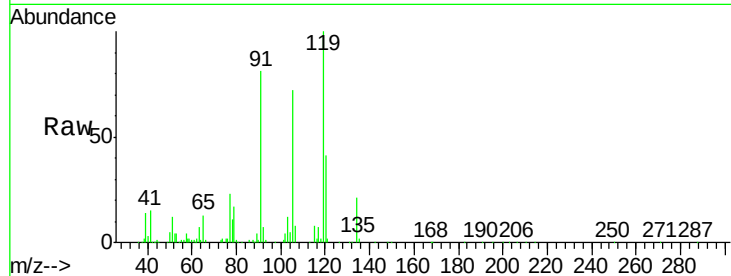
#65
tert-Butylbenzene
Concen: 1.047 ppbv
RT: 16.88 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	88.2	67.0	100.6
134	19.6	15.8	23.6

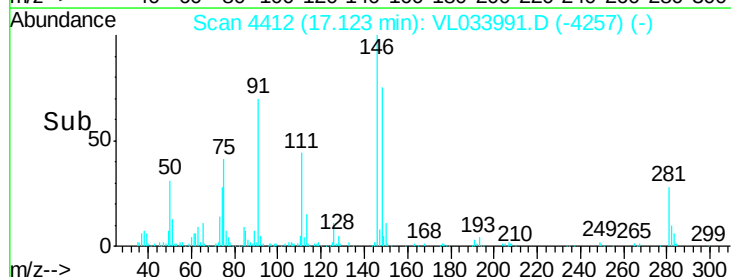
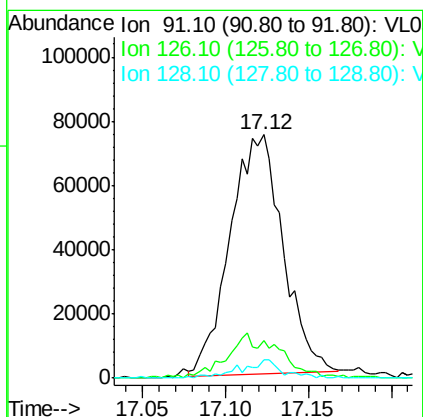
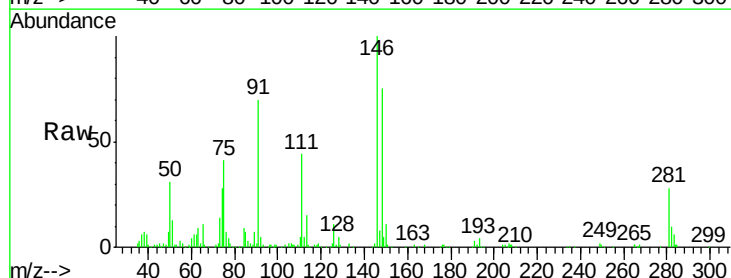
Manual Integrations
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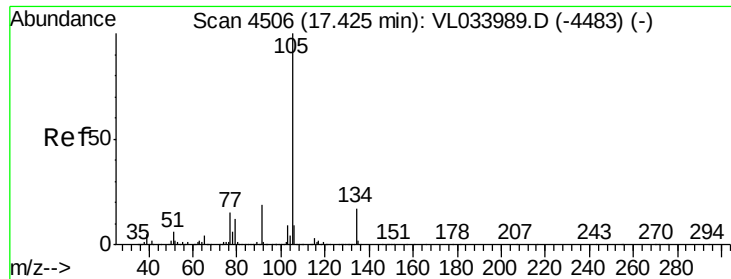
MMDadoda
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#66
Benzyl Chloride
Concen: 0.881 ppbv
RT: 17.12 min Scan# 4412
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.4	13.9	20.9
128	6.1	4.6	7.0





#67

sec-Butylbenzene

Concen: 1.088 ppbv

RT: 17.42 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 568968

Ion Ratio Lower Upper

105 100

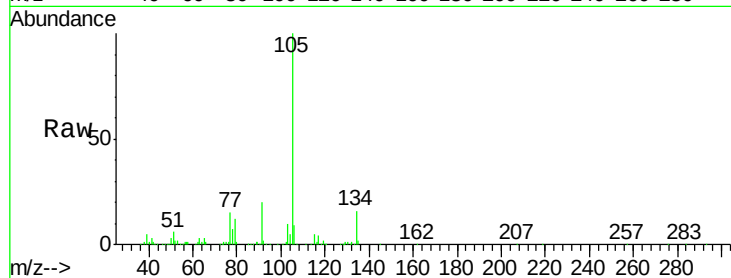
134 17.3 14.7 22.1

Manual Integrations

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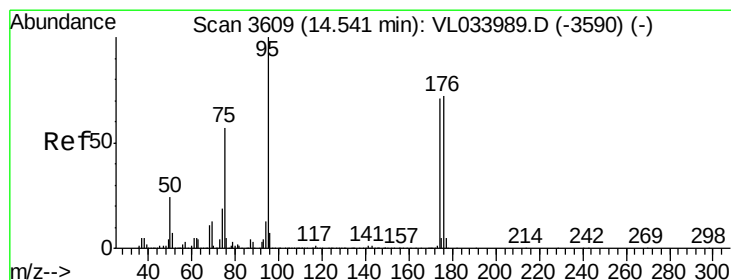
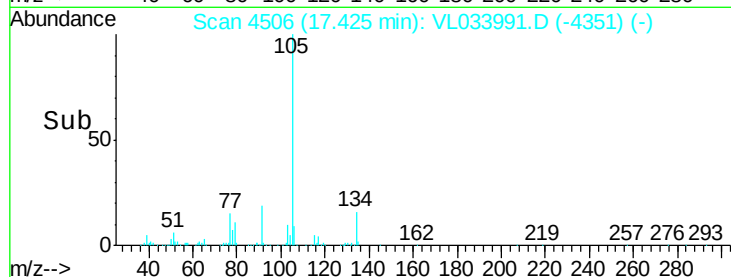
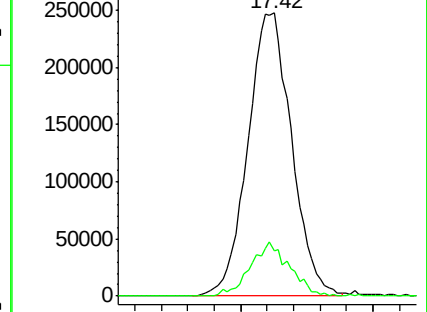
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.822 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

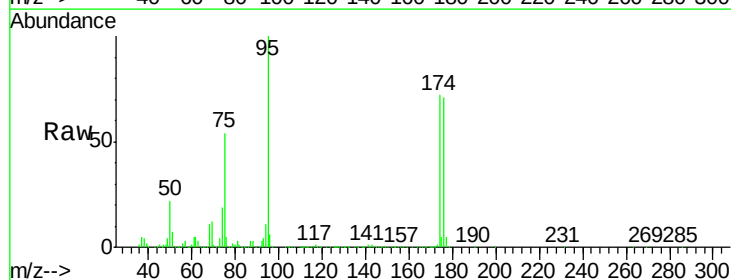
Tgt Ion: 95 Resp: 2278743

Ion Ratio Lower Upper

95 100

174 73.7 60.5 90.7

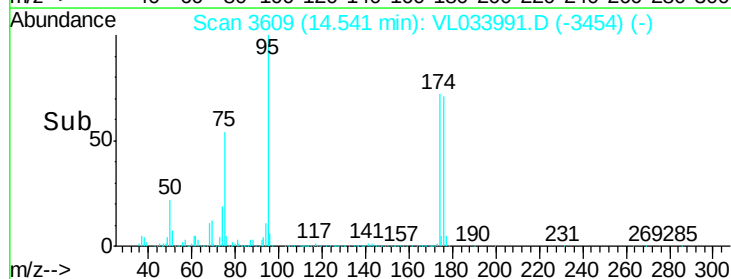
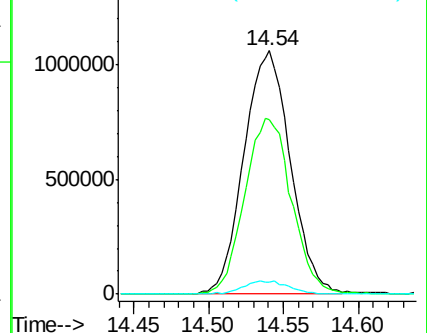
175 5.3 4.0 6.0

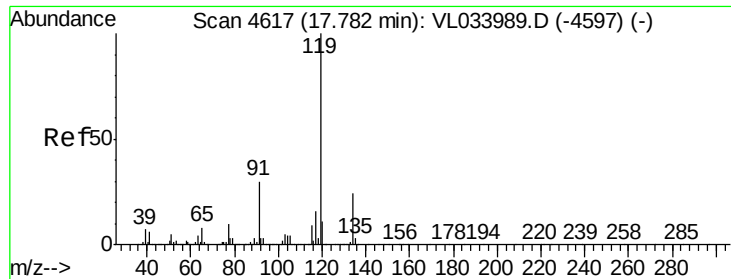


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





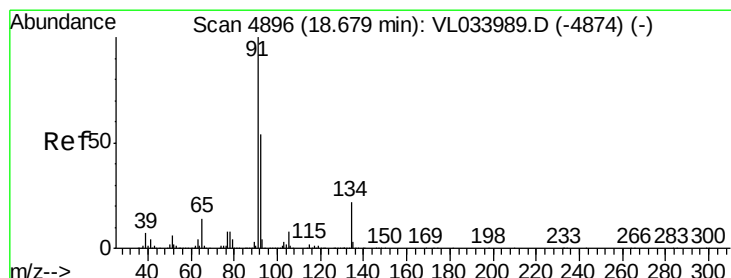
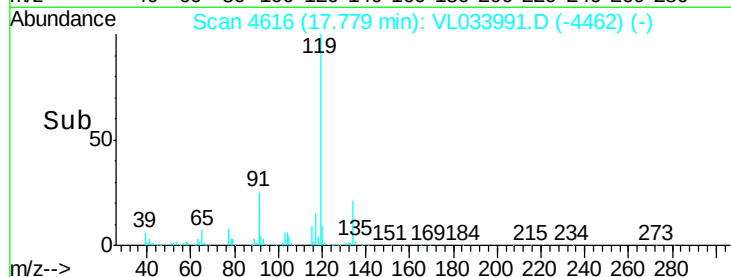
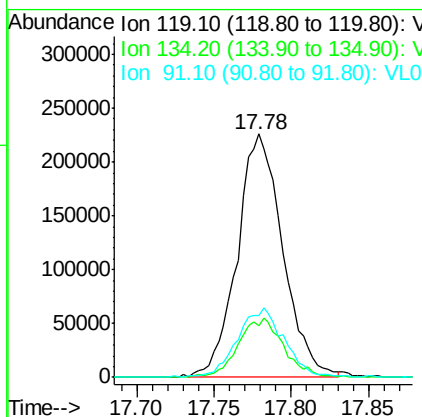
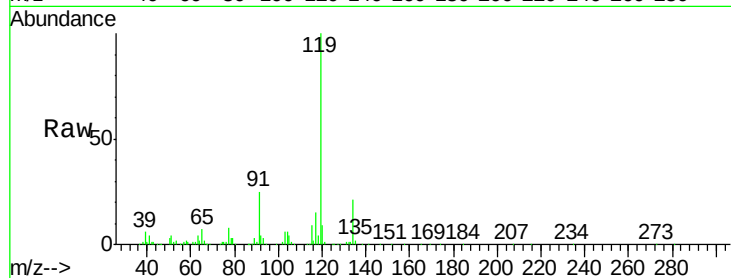
#69
 p-Isopropyltoluene
 Concen: 1.051 ppbv
 RT: 17.78 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	457532		
134	24.6	20.1	30.1	
91	29.7	23.6	35.4	

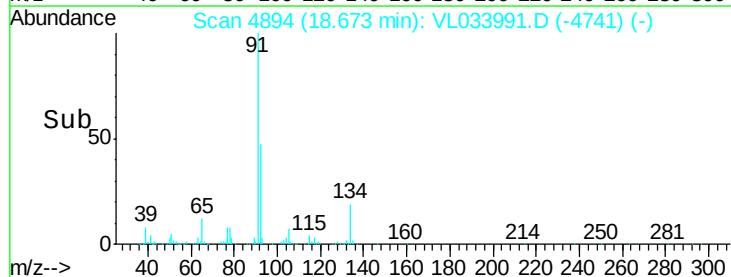
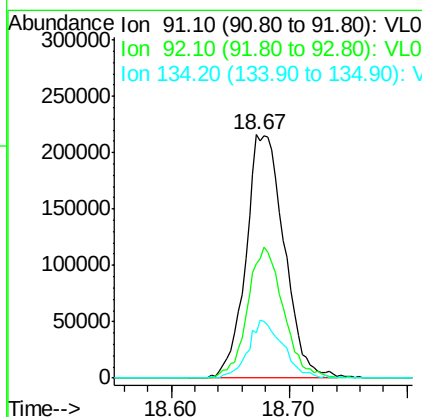
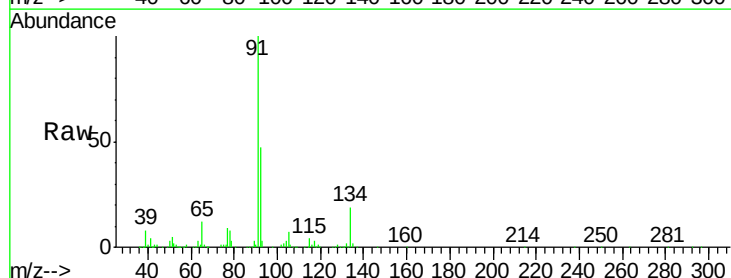
Manual Integrations
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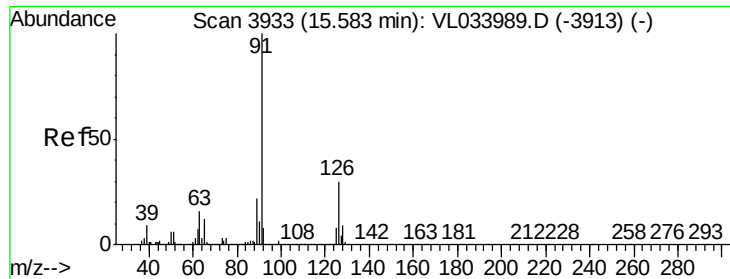
MMDadoda
 7/3/2019 11:03:29 PM



#70
 n-Butylbenzene
 Concen: 1.029 ppbv m
 RT: 18.67 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	490660		
92	0.0	42.0	63.0#	
134	0.0	17.9	26.9#	





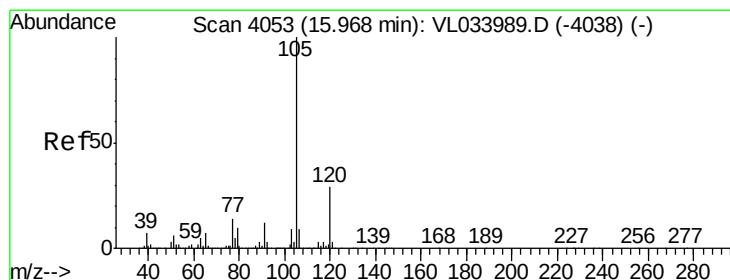
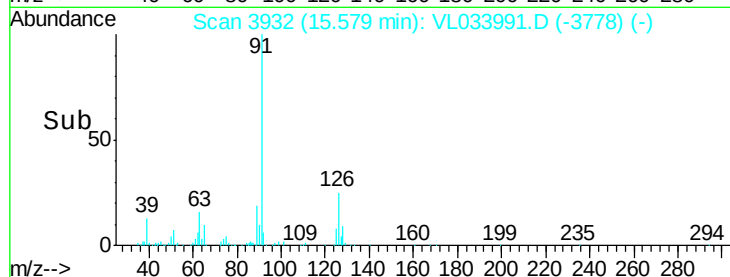
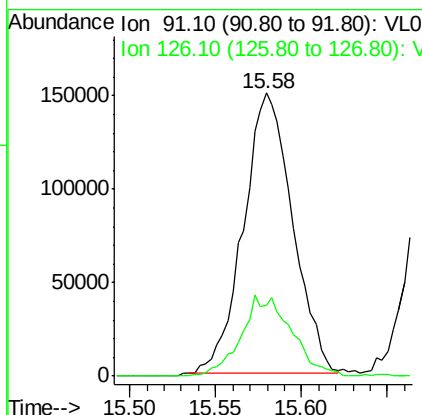
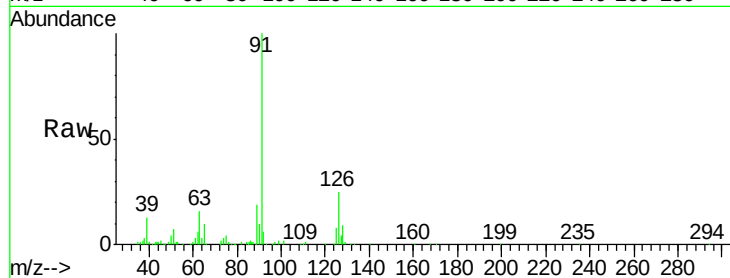
#71
2-Chlorotoluene
Concen: 1.004 ppbv
RT: 15.58 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	12.3	49.3

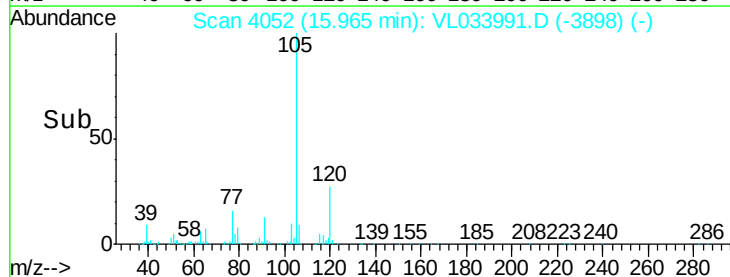
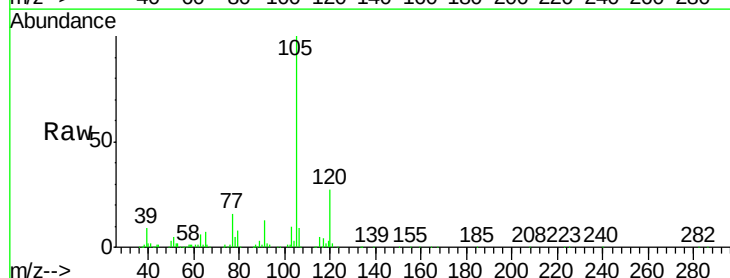
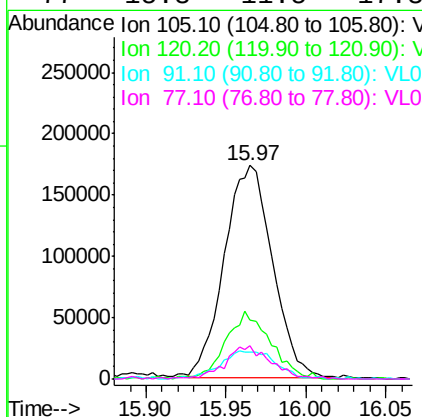
Manual Integrations
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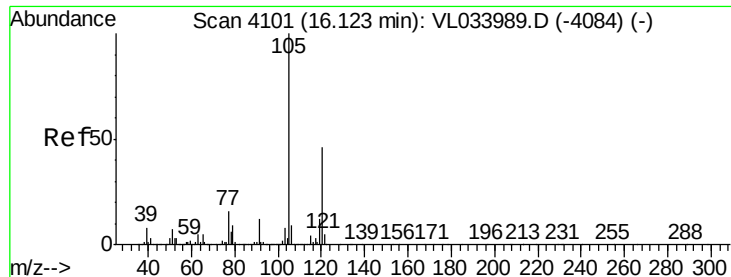
MMDadoda
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#72
4-Ethyltoluene
Concen: 1.045 ppbv
RT: 15.97 min Scan# 4052
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.4	24.1	36.1
91	15.8	10.6	16.0
77	15.3	11.5	17.3





#73

1,3,5-Trimethylbenzene

Concen: 1.101 ppbv

RT: 16.12 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 369010

Ion Ratio Lower Upper

105 100

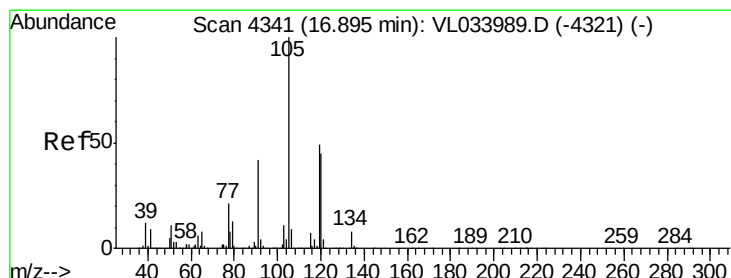
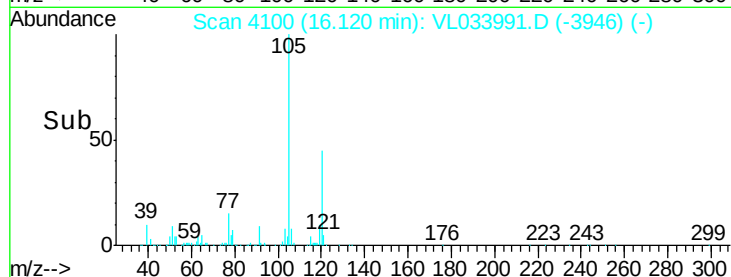
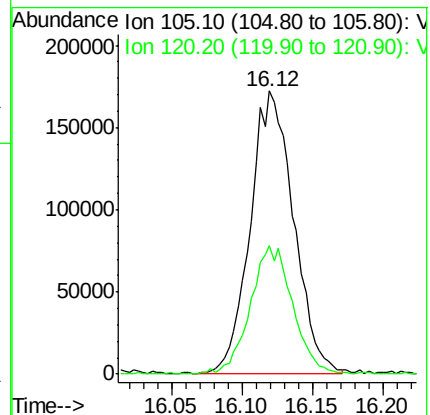
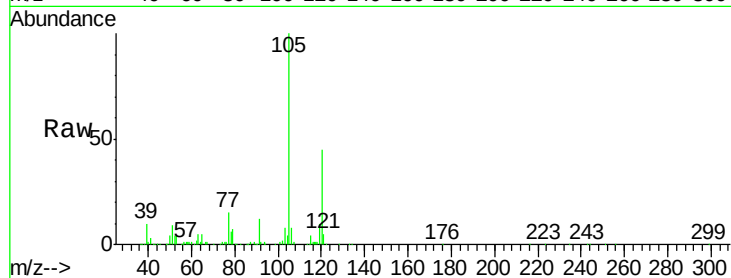
120 45.5 36.4 54.6

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 1.076 ppbv

RT: 16.89 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion:105 Resp: 415655

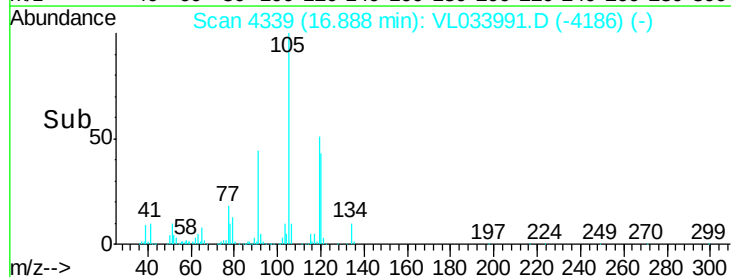
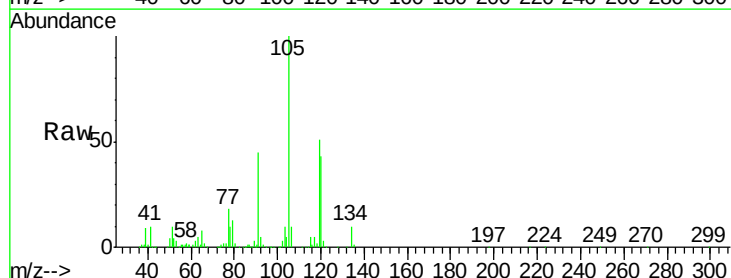
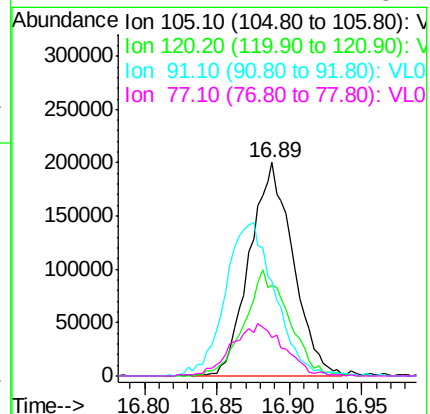
Ion Ratio Lower Upper

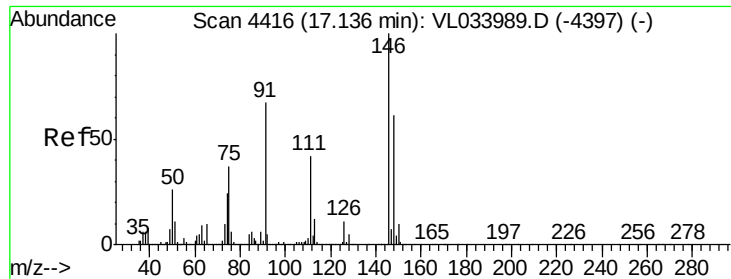
105 100

120 42.8 36.2 54.2

91 43.6 34.3 51.5

77 17.7 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 1.105 ppbv m

RT: 17.13 min Scan# 4413

Delta R.T. -0.01 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Instrument :

MSVOA_L

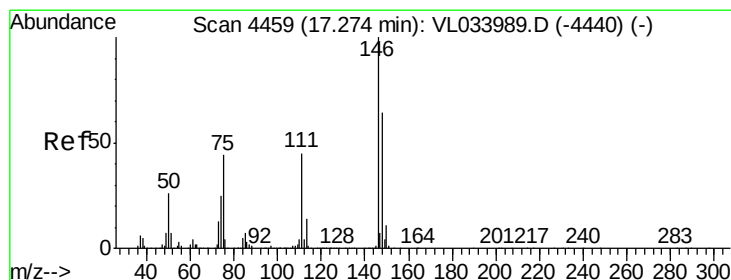
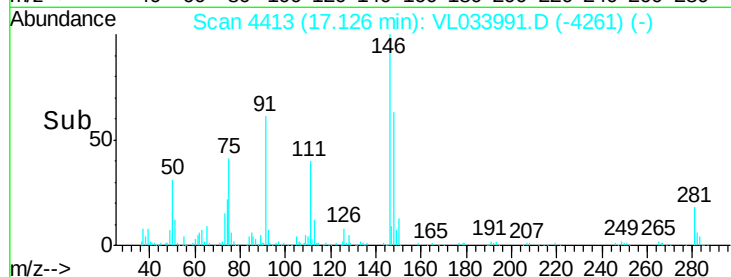
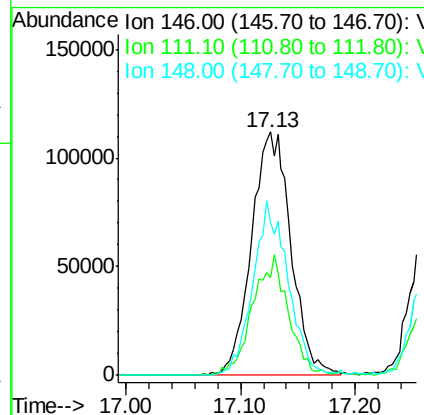
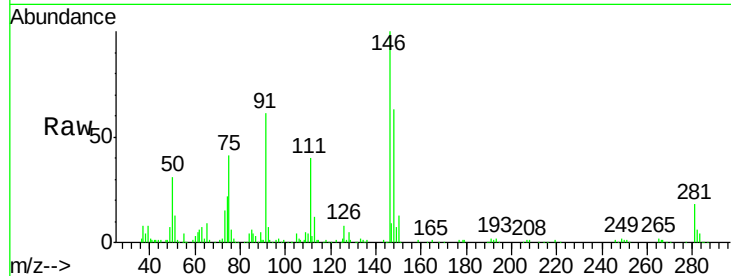
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.3	66.9#
148	63.9	32.0	96.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.085 ppbv

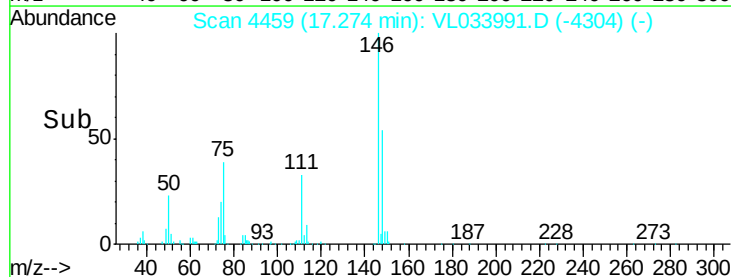
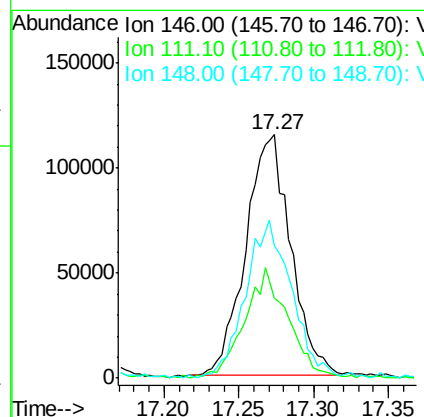
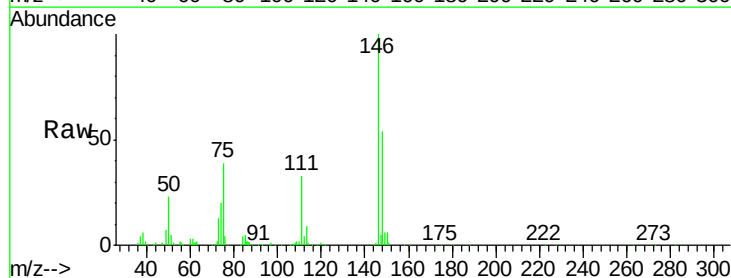
RT: 17.27 min Scan# 4459

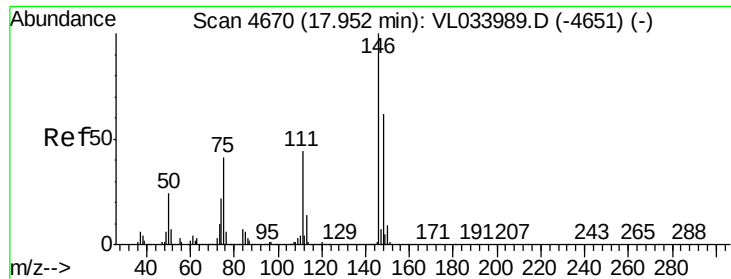
Delta R.T. -0.00 min

Lab File: VL033991.D

Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.9	65.5
148	68.4	32.5	97.5





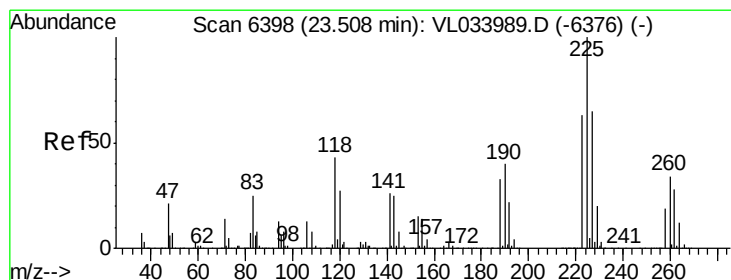
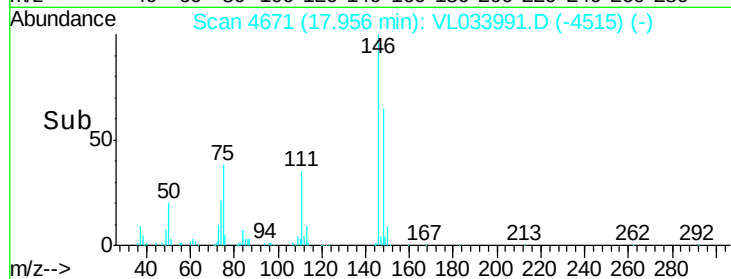
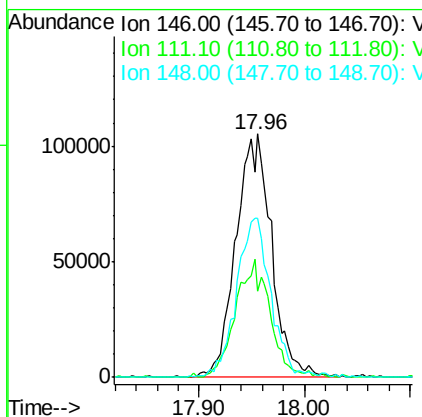
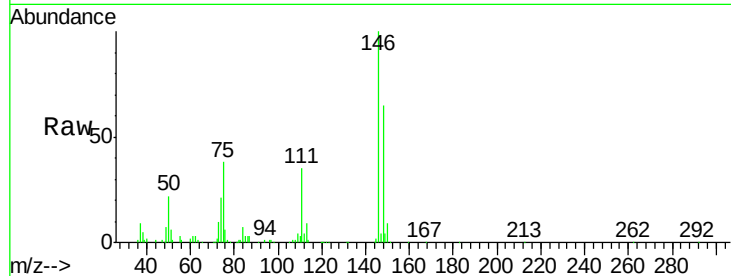
#77
 1,2-Dichlorobenzene
 Concen: 1.111 ppbv m
 RT: 17.96 min Scan# 4671
 Delta R.T. 0.00 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.7	68.1#
148	0.0	32.1	96.3#

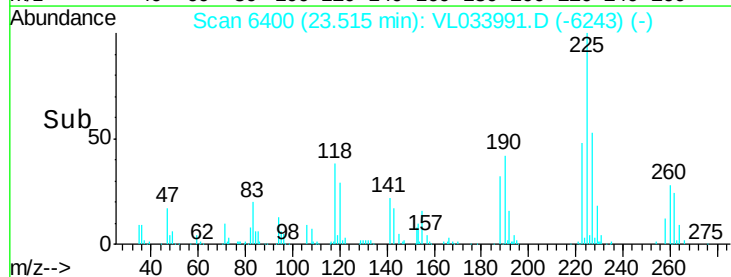
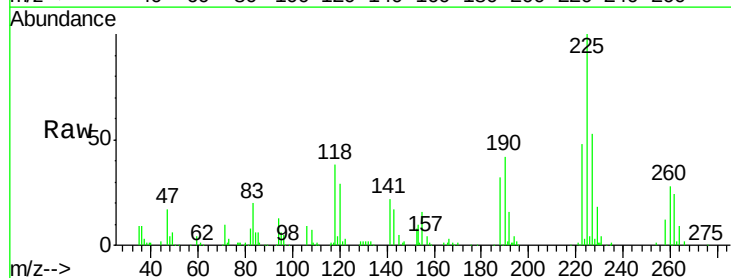
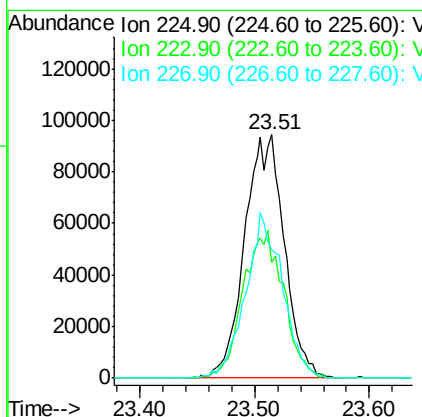
Manual Integrations
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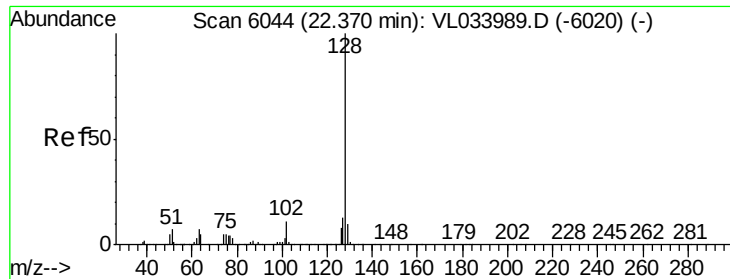
MMDadoda
 7/3/2019 11:03:29 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.301 ppbv m
 RT: 23.51 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.5	77.3#
227	62.9	52.1	78.1





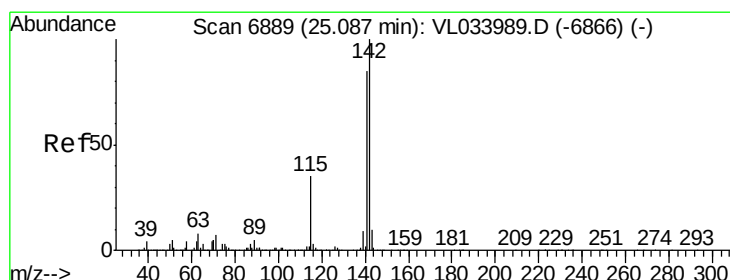
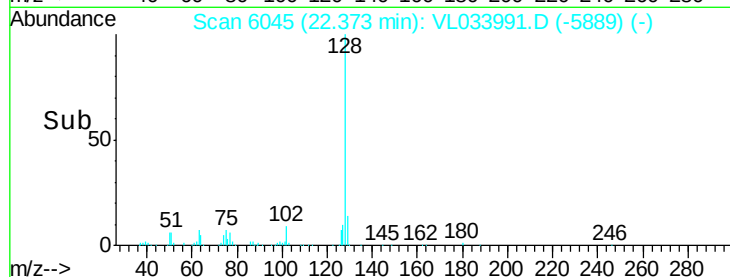
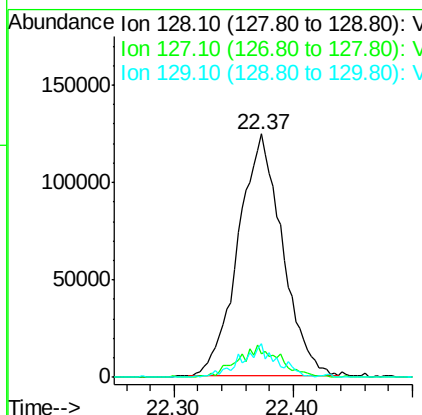
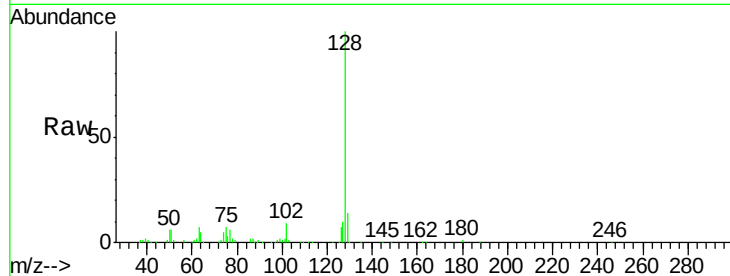
#79
Naphthalene
Concen: 1.033 ppbv
RT: 22.37 min Scan# 6045
Delta R.T. 0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.6	15.8#
129	14.1	8.3	12.5#

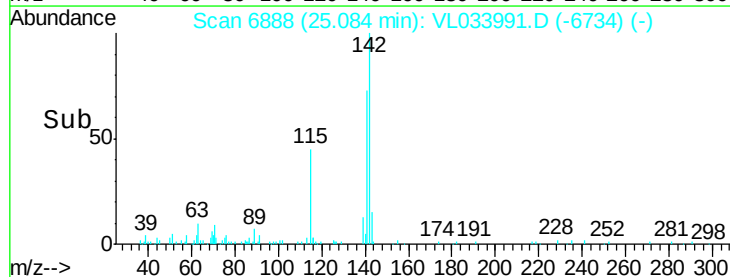
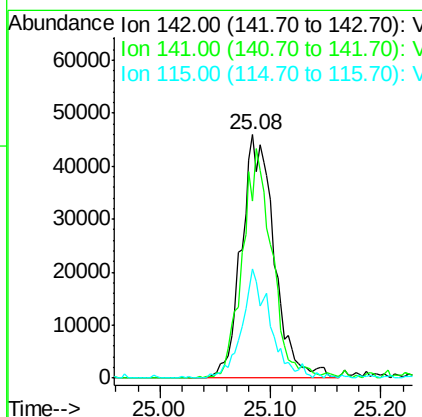
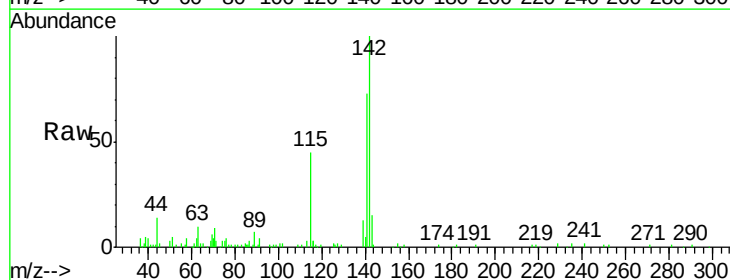
Manual Integrations
APPROVED

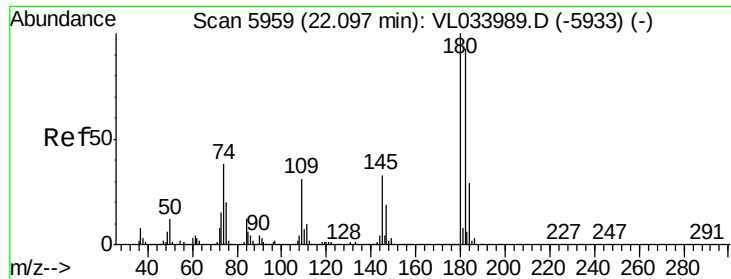
MMDadoda
7/3/2019 11:03:29 PM



#80
Naphthalene, 2-methyl-
Concen: 0.766 ppbv
RT: 25.08 min Scan# 6888
Delta R.T. -0.00 min
Lab File: VL033991.D
Acq: 2 Jul 2019 14:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	68.2	102.2
115	39.6	29.9	44.9





#81
 1,2,4-Trichlorobenzene
 Concen: 1.123 ppbv m
 RT: 22.09 min Scan# 5956
 Delta R.T. -0.01 min
 Lab File: VL033991.D
 Acq: 2 Jul 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218870		
182	0.0	76.6	114.8#	
184	29.6	24.6	36.8	

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:29 PM

