

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034377.D
 Acq On : 19 Nov 2019 11:46
 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
 11/20/2019 3:53:20 PM

Quant Time: Nov 20 03:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Tue Nov 19 12:55:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1040914	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.20	114	2109577	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.14	117	2079378	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1778642	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	127080	0.708 ppbv	89
3) Chlorodifluoromethane	2.96	51	68444	0.561 ppbv	96
4) Chloromethane	3.11	50	41525	0.575 ppbv #	86
5) Vinyl Chloride	3.23	62	35685	0.519 ppbv	99
6) Bromomethane	3.45	94	19707	0.585 ppbv	97
7) Chloroethane	3.53	64	12727m	0.525 ppbv	
8) Dichlorotetrafluoroethane	3.16	85	93055	0.598 ppbv	99
9) Propene	2.98	41	31816	0.588 ppbv	99
10) Heptane	8.16	43	76703	0.553 ppbv	96
11) Trichlorofluoromethane	3.94	101	103333	0.606 ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.48	101	70204	0.629 ppbv	90
13) Ethanol	3.59	45	9900m	0.818 ppbv	
14) Bromoethene	3.73	108	26829	0.610 ppbv	99
15) Acetone	3.84	43	87907	0.590 ppbv	99
16) 1,3-Butadiene	3.30	39	34531	0.571 ppbv	99
17) tert-Butyl alcohol	4.30	59	65295	0.687 ppbv	97
18) 1,1-Dichloroethene	4.28	96	29373	0.601 ppbv	86
19) Isopropyl Alcohol	3.96	45	63201m	0.761 ppbv	
20) Methylene Chloride	4.34	84	30968	0.575 ppbv	82
21) Allyl Chloride	4.41	41	44593	0.542 ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	29812m	0.612 ppbv	
23) Vinyl Acetate	5.08	43	96591	0.519 ppbv #	94
24) 1,1-Dichloroethane	5.01	63	81774	0.593 ppbv	98
25) Ethyl Acetate	5.69	43	144310	0.574 ppbv	99
26) Hexane	5.69	57	60946	0.569 ppbv	95
27) Carbon Disulfide	4.55	76	55383	0.498 ppbv #	85
28) Methyl tert-Butyl Ether	5.04	73	97909	0.604 ppbv	99
29) Chloroform	5.76	83	101934	0.601 ppbv	90
30) Cyclohexane	7.16	84	42594m	0.541 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	60631	0.558 ppbv	90
32) 1,1,1-Trichloroethane	6.53	97	85791	0.521 ppbv	94
34) 2-Butanone	5.26	43	91854	0.533 ppbv	98
35) Carbon Tetrachloride	7.04	117	92029m	0.501 ppbv	
36) Benzene	6.92	78	105155	0.520 ppbv	92
37) 1,2-Dichloroethane	6.32	62	83337	0.552 ppbv	99
38) Trichloroethene	7.87	130	43187m	0.532 ppbv	
39) 1,2-Dichloropropane	7.64	63	47446m	0.544 ppbv	
40) 1,4-Dioxane	7.89	88	18296m	0.597 ppbv	
41) Tetrahydrofuran	6.09	42	49525m	0.518 ppbv	
42) Bromodichloromethane	7.82	83	98359m	0.532 ppbv	
43) Methyl Methacrylate	8.04	69	44254m	0.529 ppbv	

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Manual Integrations
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Quant Time: Nov 20 03:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Tue Nov 19 12:55:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.90	57	199794	0.533	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	49106m	0.481	ppbv	
46) cis-1,3-Dichloropropene	8.74	75	56660m	0.484	ppbv	
47) 1,1,2-Trichloroethane	9.52	97	47462m	0.538	ppbv	
48) Dibromochloromethane	10.35	129	72256m	0.499	ppbv	
49) Bromoform	13.10	173	63680m	0.496	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	128225m	0.519	ppbv	
51) 2-Hexanone	10.19	43	101385m	0.501	ppbv	
52) Tetrachloroethene	11.26	164	46419m	0.585	ppbv	
53) Toluene	9.84	91	117029	0.524	ppbv	98
54) 1,2-Dibromoethane	10.66	107	71290m	0.545	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.18	131	52086	0.544	ppbv #	1
57) Chlorobenzene	12.19	112	105538	0.608	ppbv #	95
58) Ethyl Benzene	12.76	91	166859	0.574	ppbv	89
59) m/p-Xylene	13.04	91	297819m	1.183	ppbv	
60) o-Xylene	13.75	91	150055m	0.598	ppbv	
61) Styrene	13.58	104	98578	0.558	ppbv	98
62) Isopropylbenzene	14.73	105	195393	0.590	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.73	83	109754	0.545	ppbv	98
64) n-propylbenzene	15.61	120	51305m	0.604	ppbv	
65) tert-Butylbenzene	16.81	119	172796	0.589	ppbv	97
66) Benzyl Chloride	17.05	91	52665m	0.454	ppbv	
67) sec-Butylbenzene	17.36	105	251746m	0.610	ppbv	
69) p-Isopropyltoluene	17.72	119	199774m	0.593	ppbv	
70) n-Butylbenzene	18.62	91	214213	0.585	ppbv	96
71) 2-Chlorotoluene	15.51	91	151880m	0.592	ppbv	
72) 4-Ethyltoluene	15.90	105	166750	0.592	ppbv	96
73) 1,3,5-Trimethylbenzene	16.05	105	167183m	0.599	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	183003m	0.628	ppbv	
75) 1,3-Dichlorobenzene	17.07	146	109794m	0.628	ppbv	
76) 1,4-Dichlorobenzene	17.21	146	101534m	0.594	ppbv	
77) 1,2-Dichlorobenzene	17.89	146	100707m	0.587	ppbv	
78) Hexachloro-1,3-Butadiene	23.45	225	87248m	0.615	ppbv	
79) Naphthalene	22.30	128	145796m	0.685	ppbv	
80) Naphthalene, 2-methyl-	25.04	142	47898	0.779	ppbv	97
81) 1,2,4-Trichlorobenzene	22.02	180	93149m	0.670	ppbv	

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

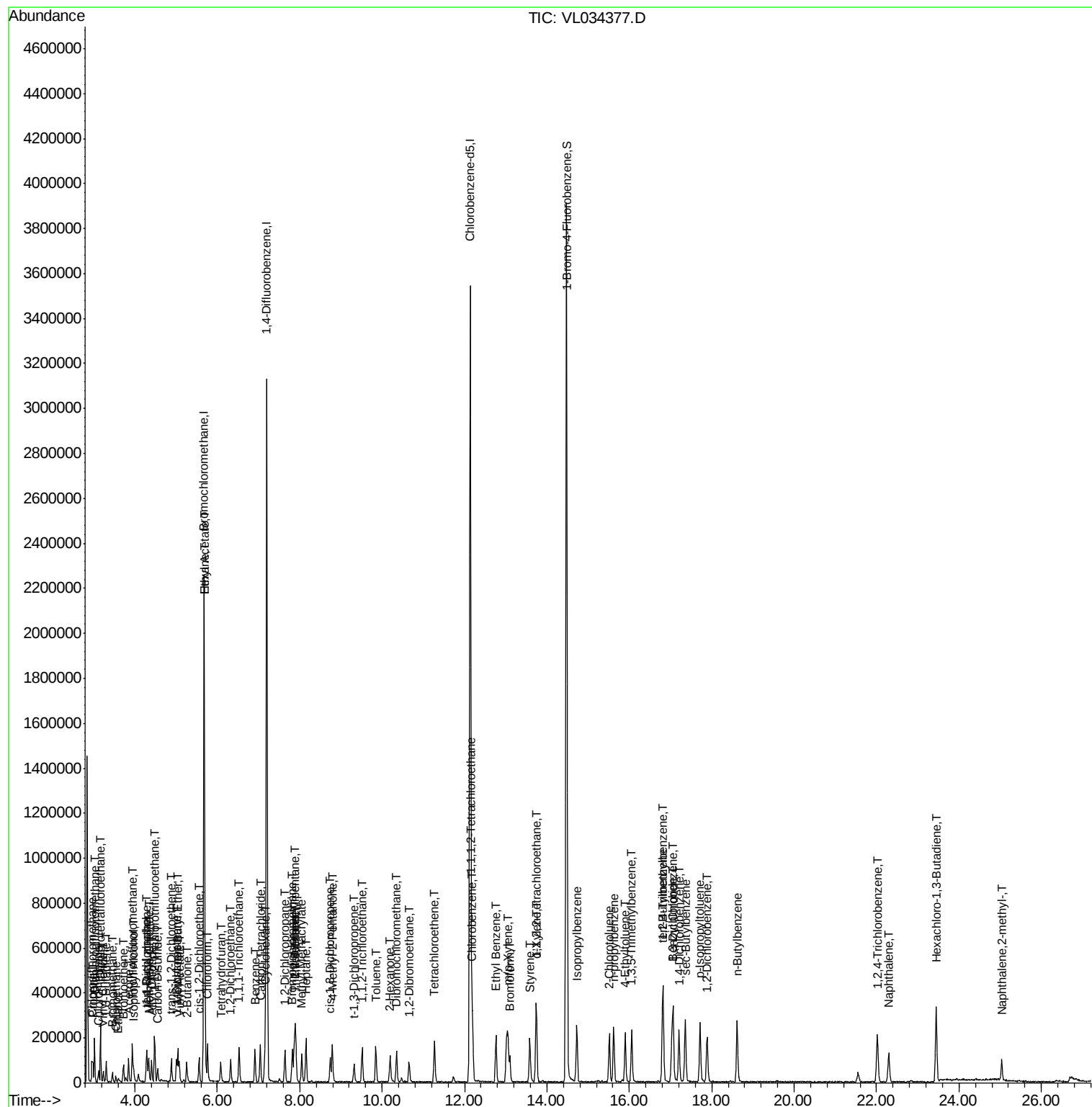
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111919\
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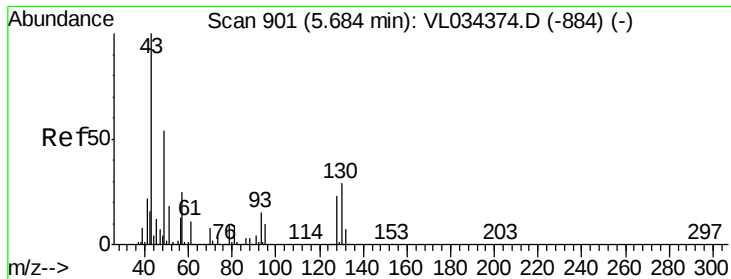
Instrument :
MSVOA_L
ClientSampleId :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1040914

Ion Ratio Lower Upper

49 100

128 43.7 20.6 61.8

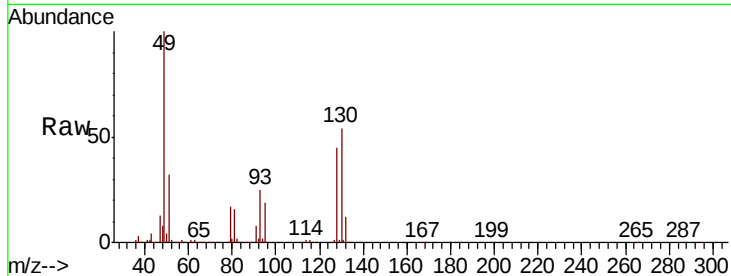
130 55.2 26.2 78.5

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

600000

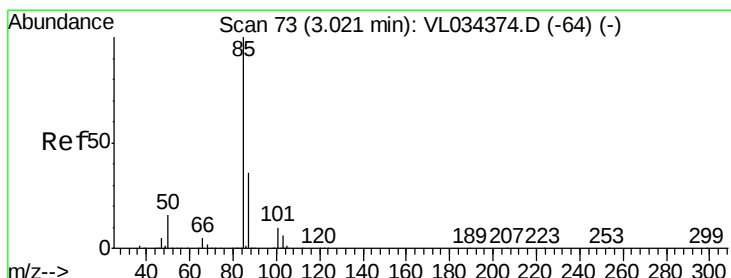
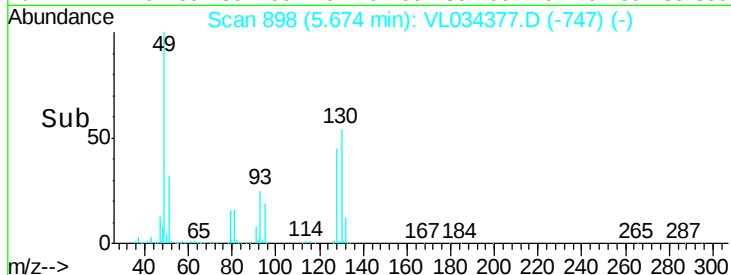
5.67

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.708 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL034377.D

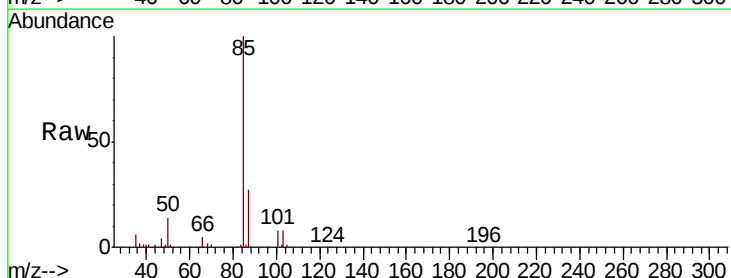
Acq: 19 Nov 2019 11:46

Tgt Ion: 85 Resp: 127080

Ion Ratio Lower Upper

85 100

87 27.5 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

120000

100000

80000

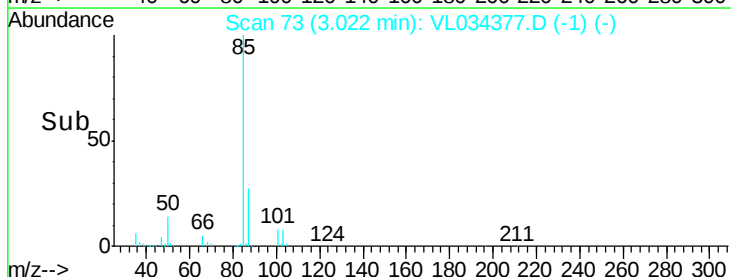
60000

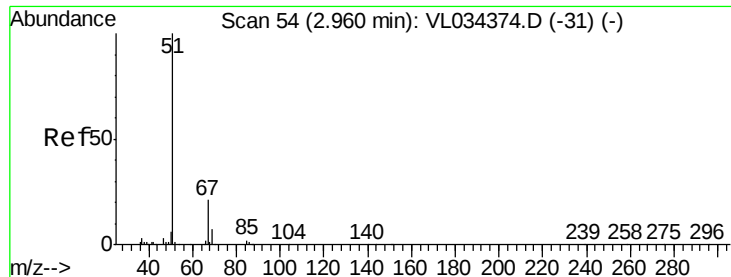
40000

20000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.561 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 68444

Ion Ratio Lower Upper

51 100

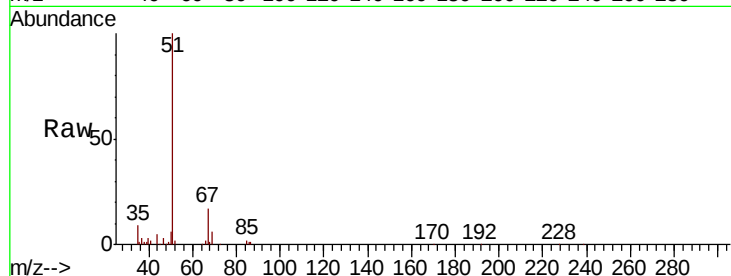
67 21.5 15.8 23.8

Manual Integrations

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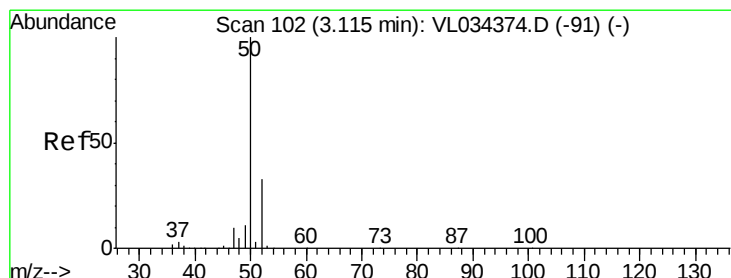
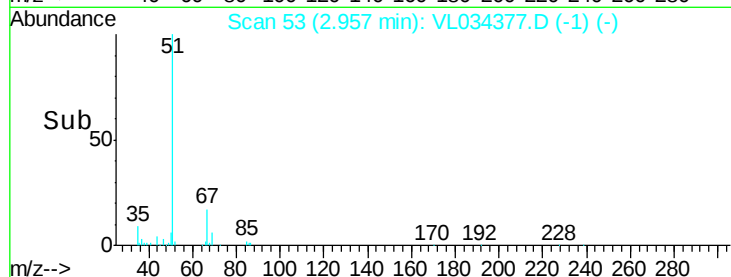
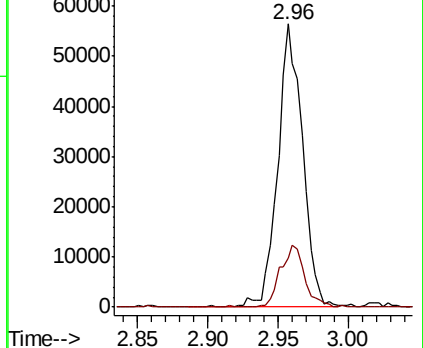
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.575 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL034377.D

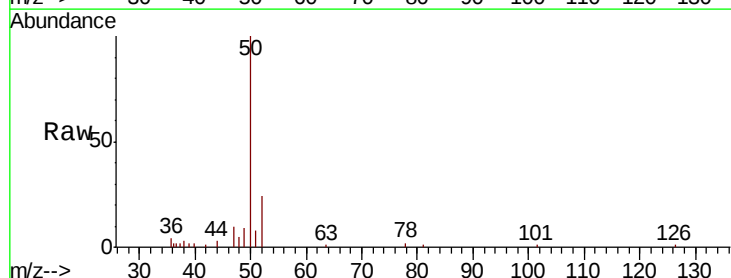
Acq: 19 Nov 2019 11:46

Tgt Ion: 50 Resp: 41525

Ion Ratio Lower Upper

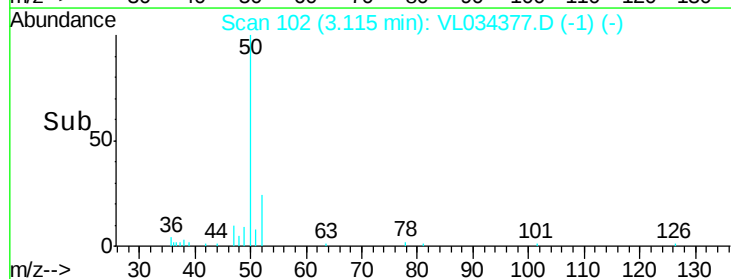
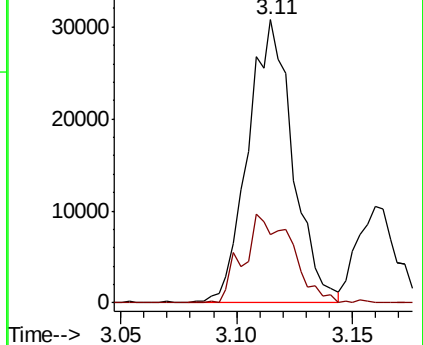
50 100

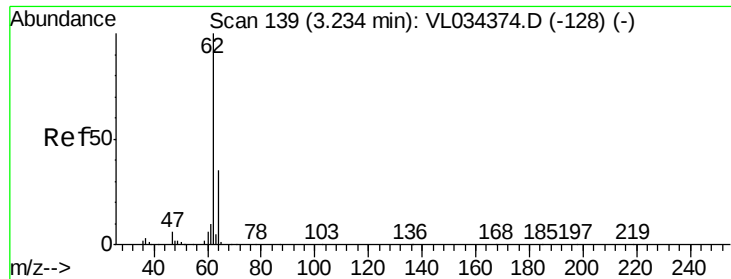
52 24.2 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.519 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 35685

Ion Ratio Lower Upper

62 100

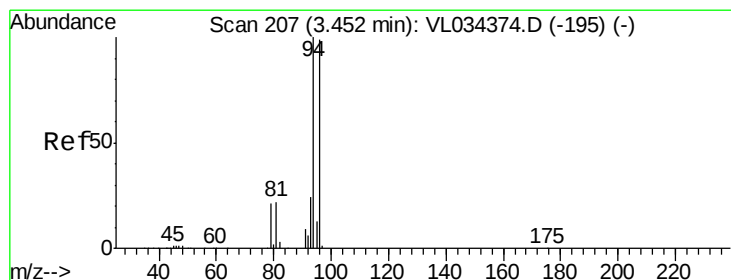
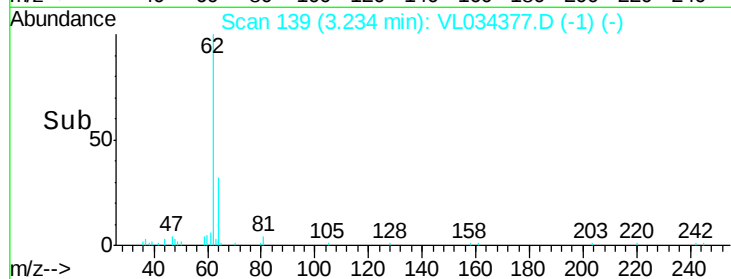
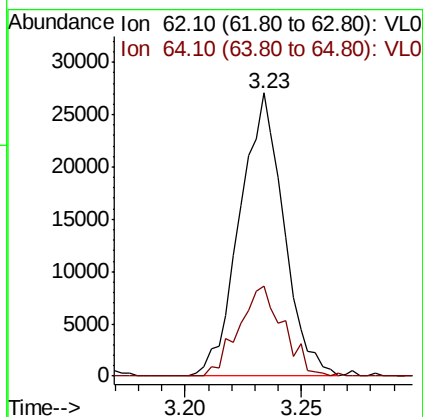
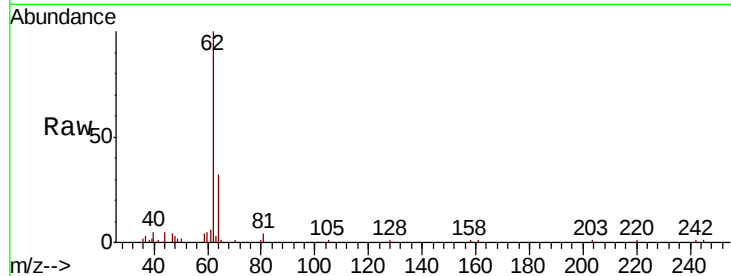
64 31.9 26.0 39.0

Manual Integrations

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#6

Bromomethane

Concen: 0.585 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL034377.D

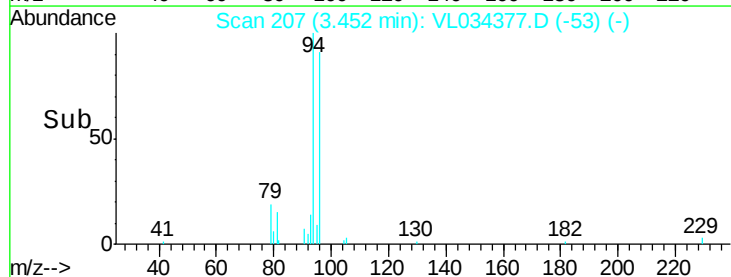
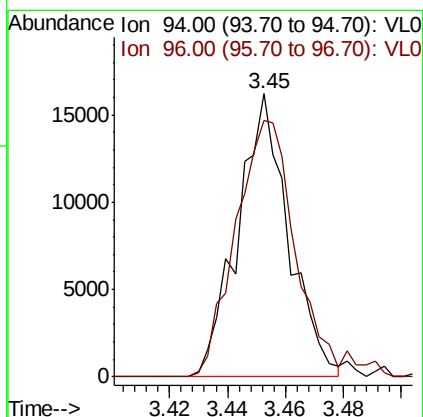
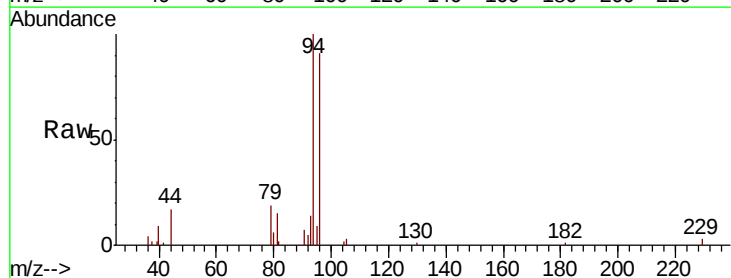
Acq: 19 Nov 2019 11:46

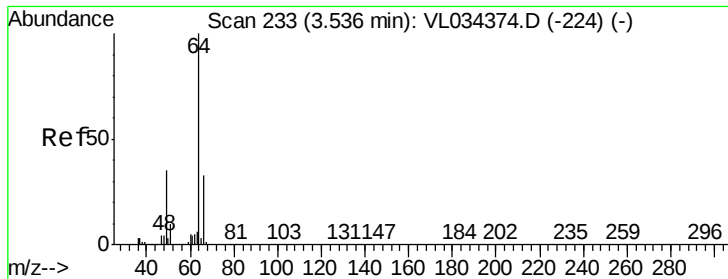
Tgt Ion: 94 Resp: 19707

Ion Ratio Lower Upper

94 100

96 90.6 74.6 112.0





#7

Chloroethane

Concen: 0.525 ppbv m

RT: 3.53 min Scan# 232

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 12727

Ion Ratio Lower Upper

64 100

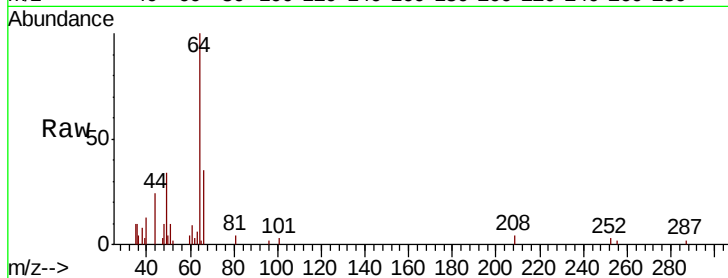
66 35.4 25.4 38.0

Manual Integrations

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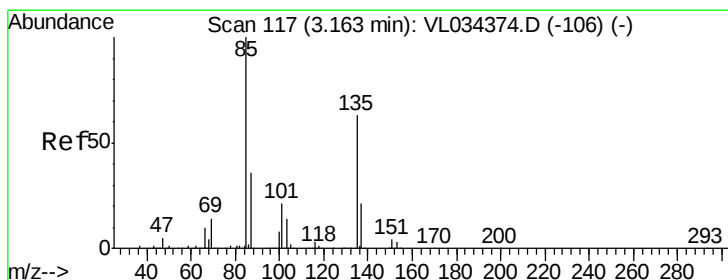
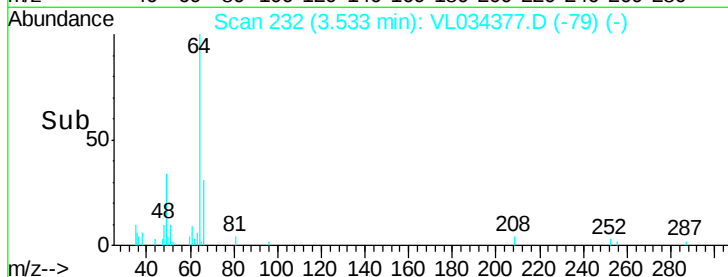
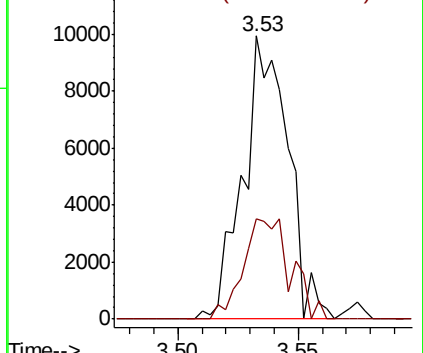
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.598 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL034377.D

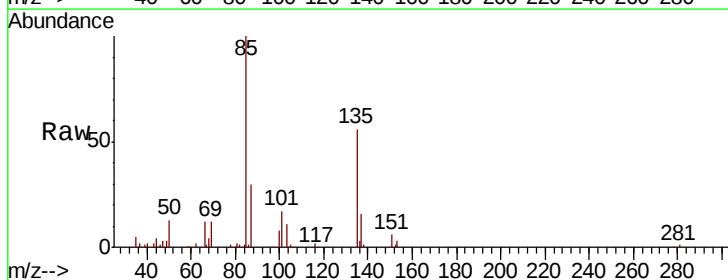
Acq: 19 Nov 2019 11:46

Tgt Ion: 85 Resp: 93055

Ion Ratio Lower Upper

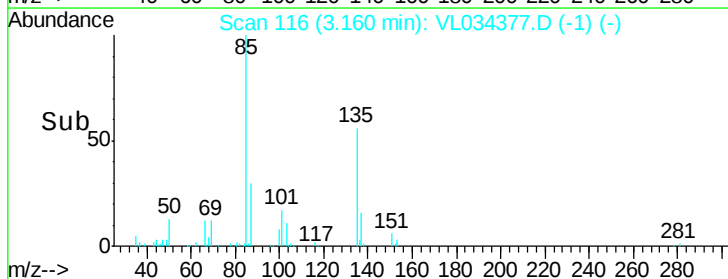
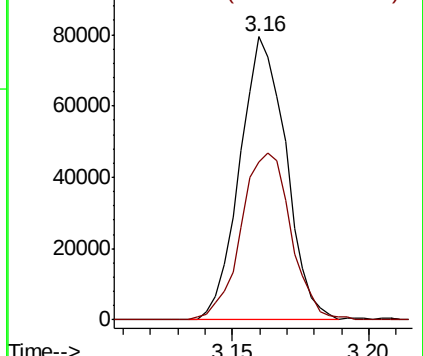
85 100

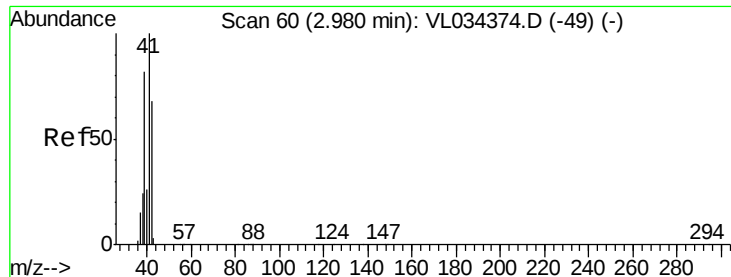
135 63.8 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.588 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 31816

Ion Ratio Lower Upper

41 100

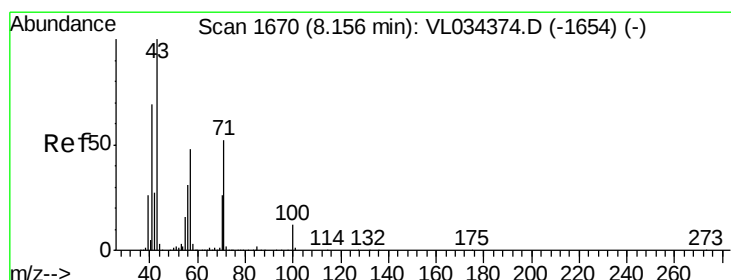
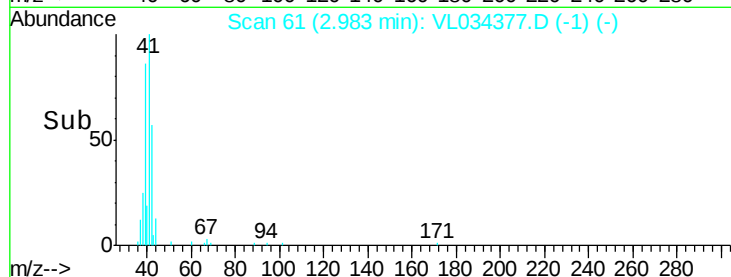
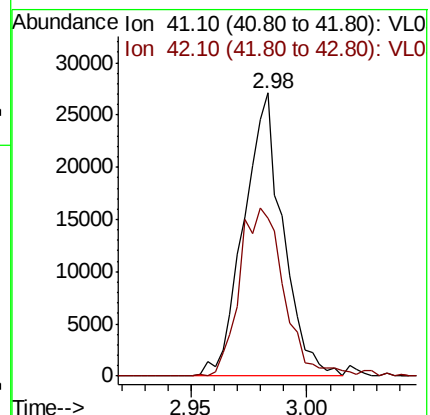
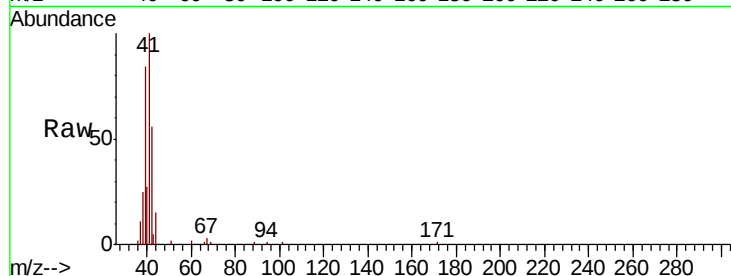
42 68.1 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 0.553 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VL034377.D

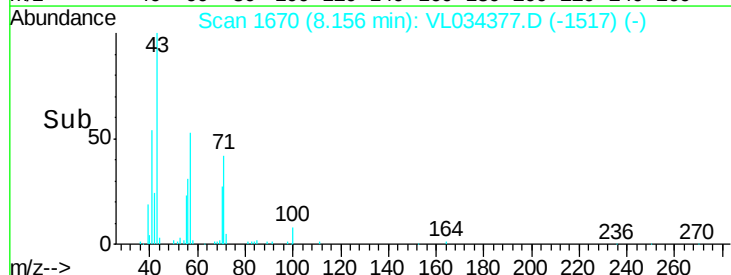
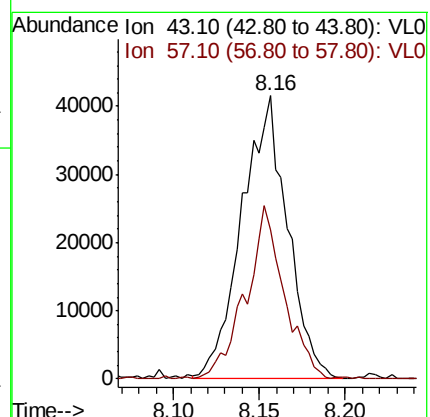
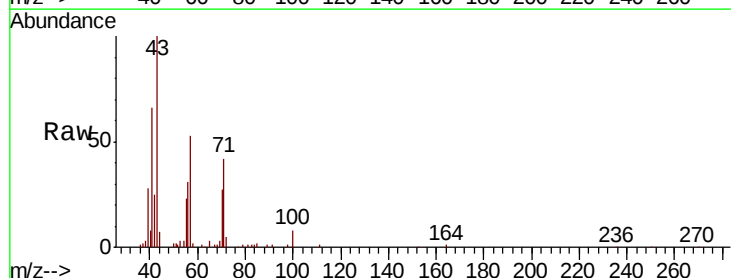
Acq: 19 Nov 2019 11:46

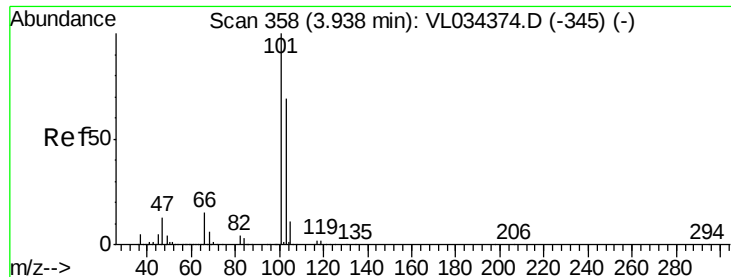
Tgt Ion: 43 Resp: 76703

Ion Ratio Lower Upper

43 100

57 51.8 39.5 59.3





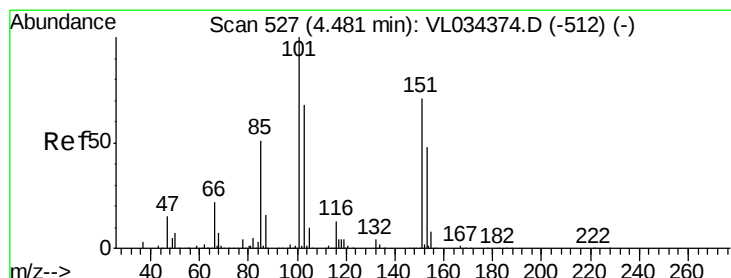
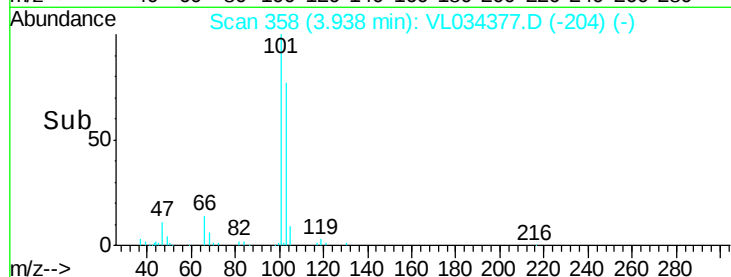
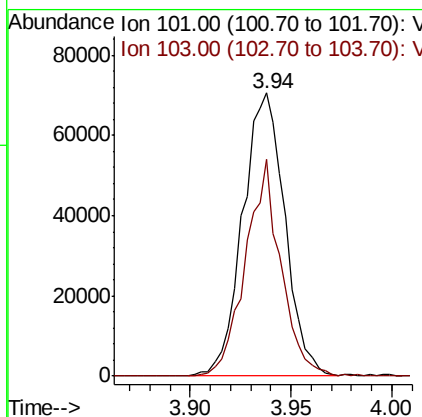
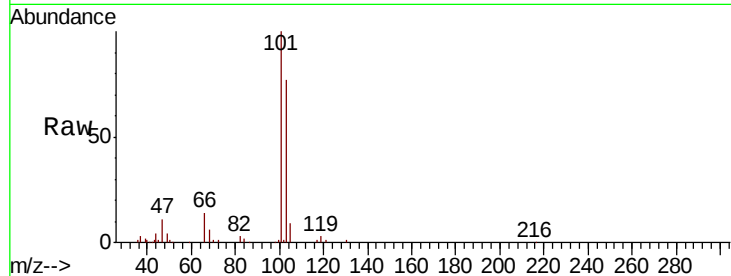
#11
 Trichlorofluoromethane
 Concen: 0.606 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	76.7	54.5	81.7

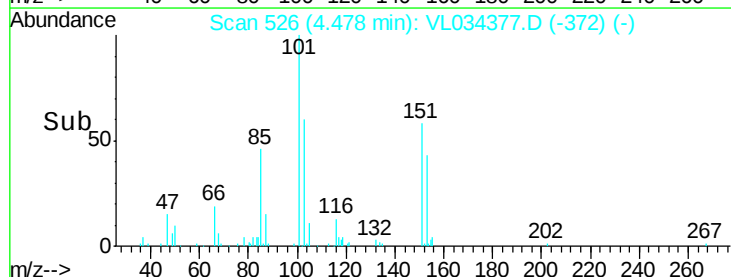
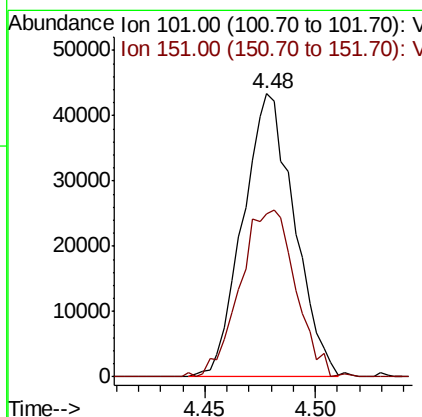
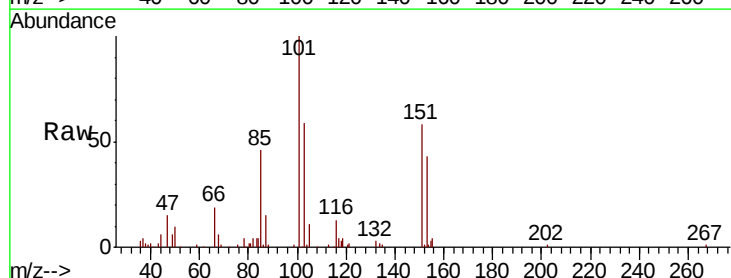
Manual Integrations
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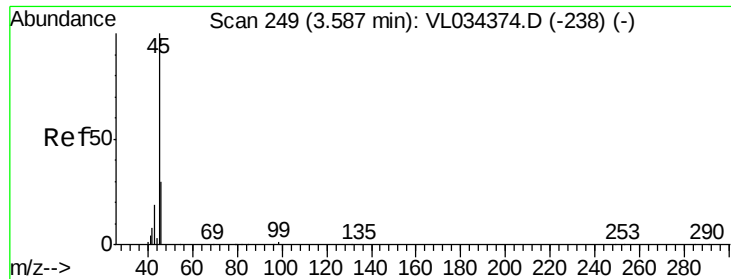
MMDadoda
 11/20/2019 3:53:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.629 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.6	57.4	86.2





#13

Ethanol

Concen: 0.818 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 9900

Ion Ratio Lower Upper

45 100

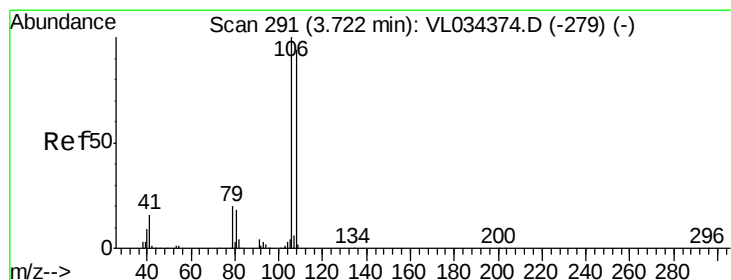
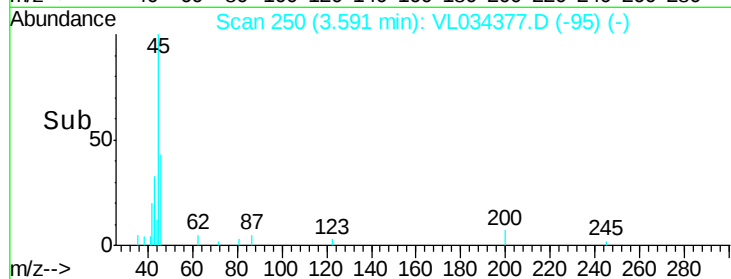
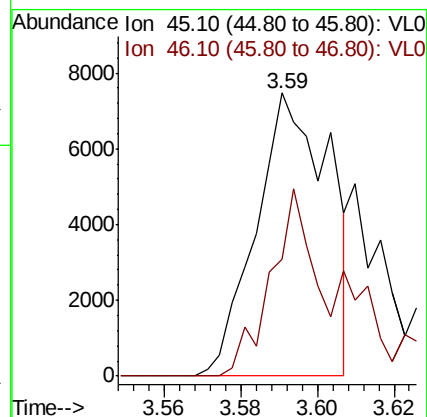
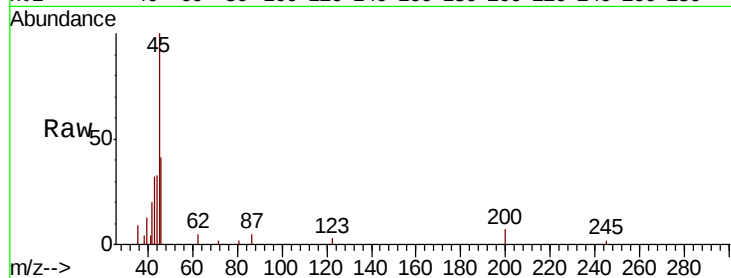
46 63.7 15.8 63.2#

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#14

Bromoethene

Concen: 0.610 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

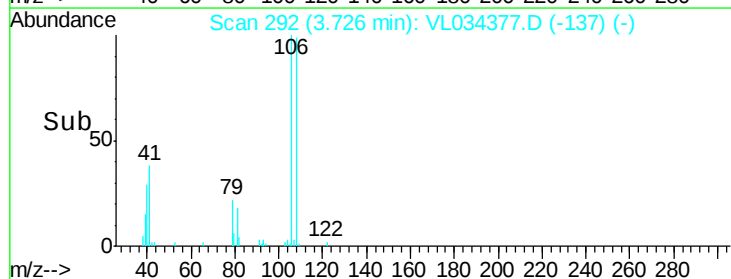
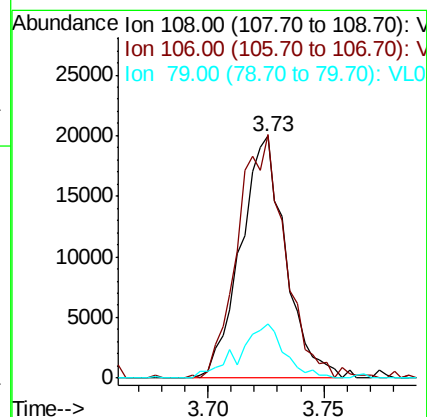
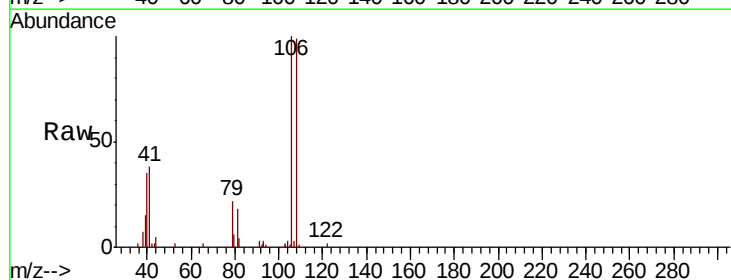
Tgt Ion: 108 Resp: 26829

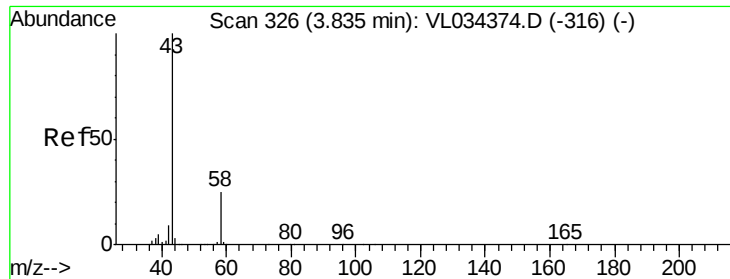
Ion Ratio Lower Upper

108 100

106 107.1 84.8 127.2

79 22.9 17.0 25.4





#15

Acetone

Concen: 0.590 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 87907

Ion Ratio Lower Upper

43 100

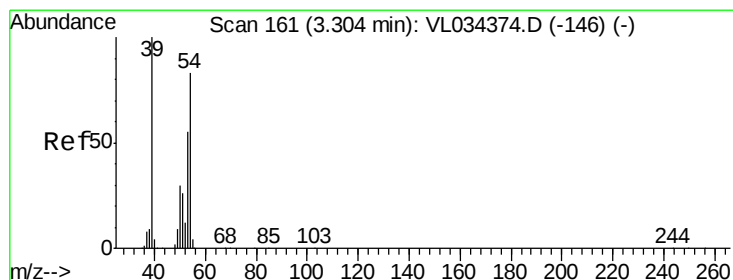
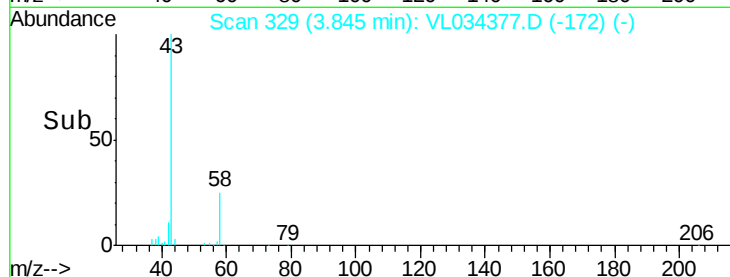
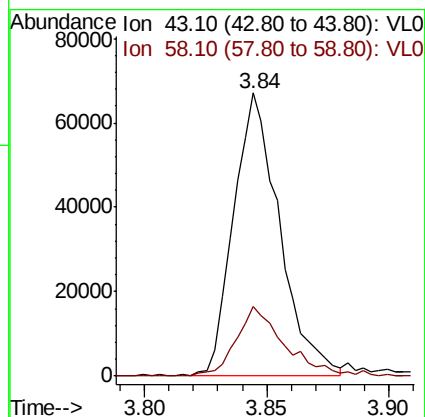
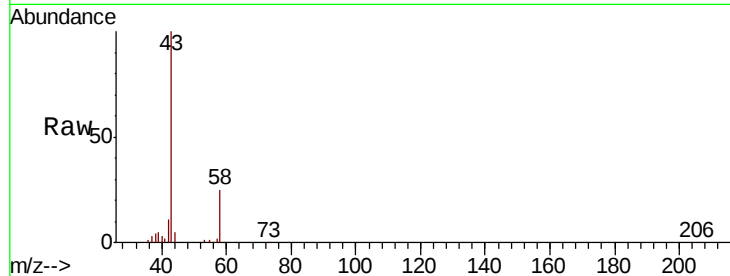
58 25.8 20.4 30.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.571 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL034377.D

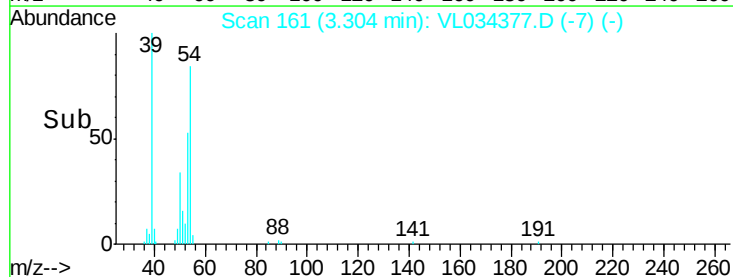
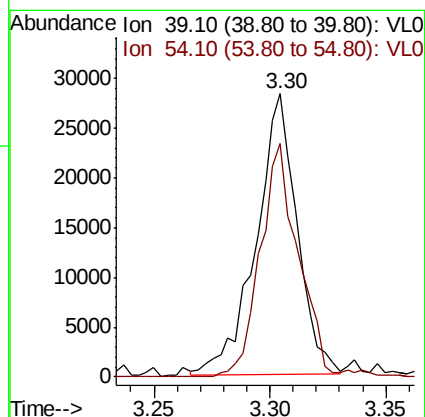
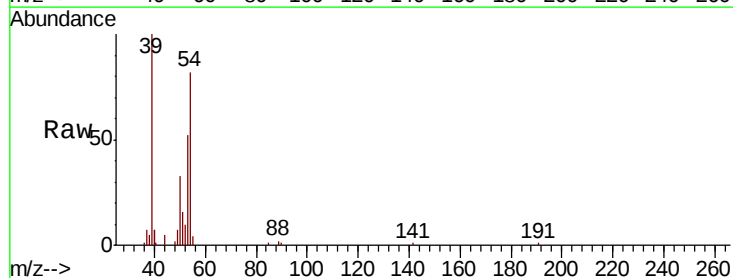
Acq: 19 Nov 2019 11:46

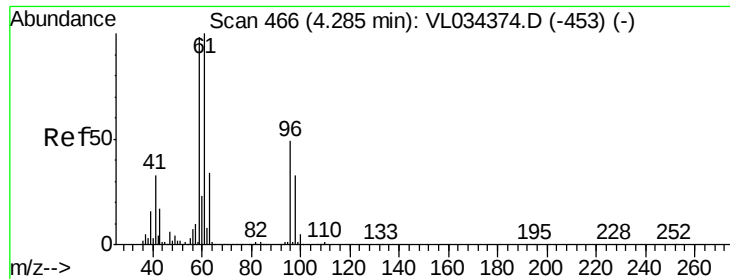
Tgt Ion: 39 Resp: 34531

Ion Ratio Lower Upper

39 100

54 79.0 63.9 95.9





#17

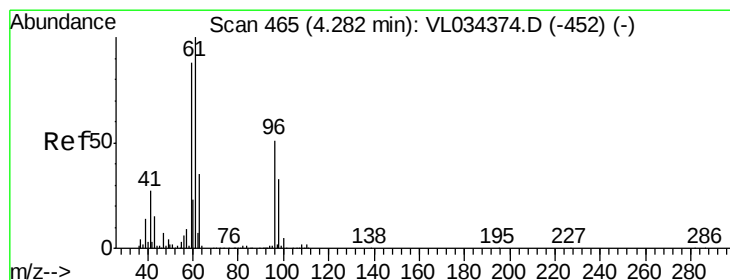
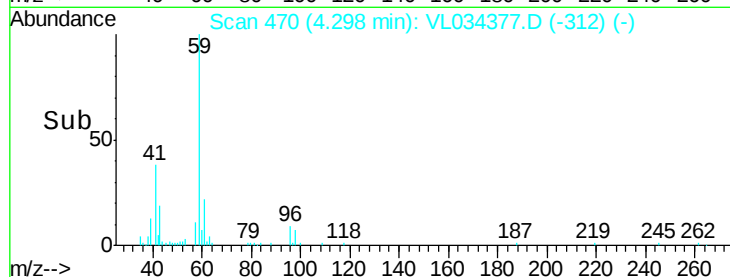
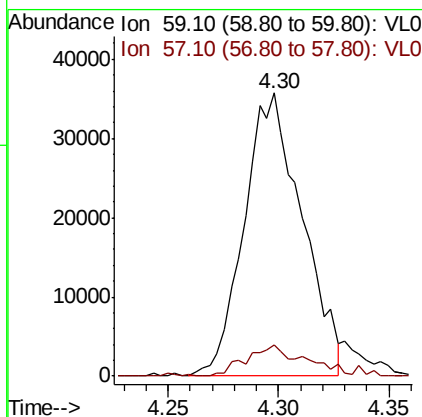
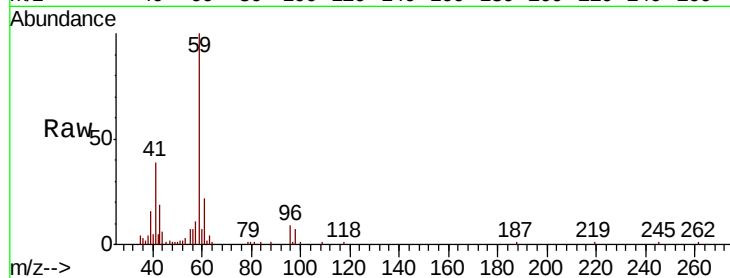
tert-Butyl alcohol
Concen: 0.687 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.8	13.2

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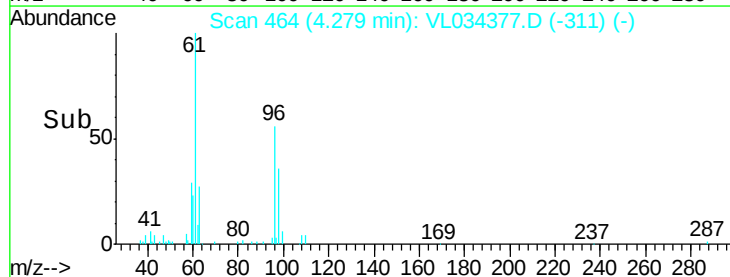
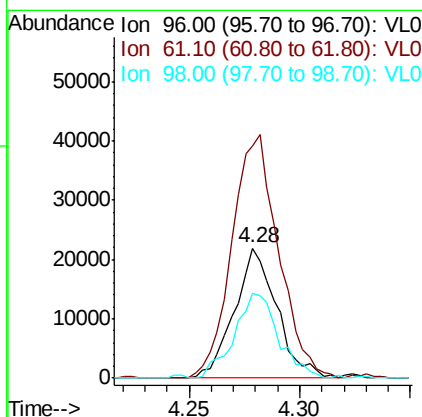
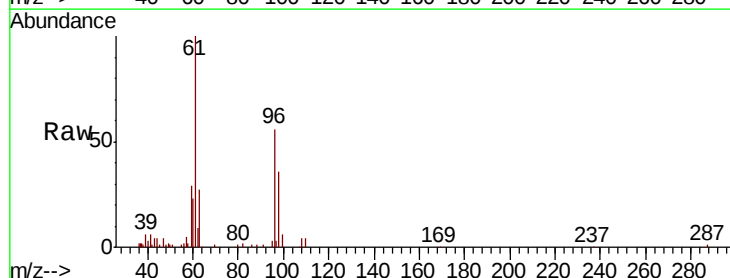
MMDadoda
11/20/2019 3:53:20 PM

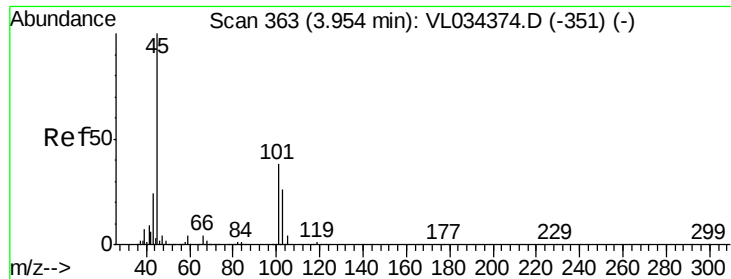


#18

1,1-Dichloroethene
Concen: 0.601 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	164.5	246.7
98	64.0	51.7	77.5





#19

Isopropyl Alcohol

Concen: 0.761 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 63201

Ion Ratio Lower Upper

45 100

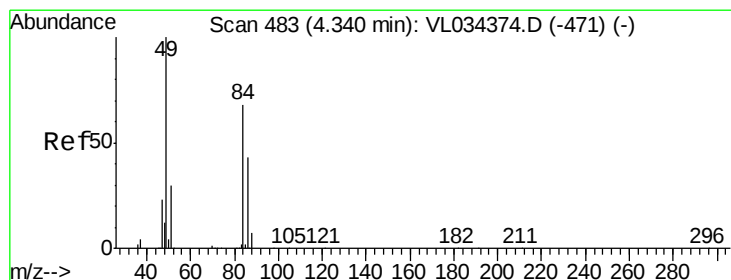
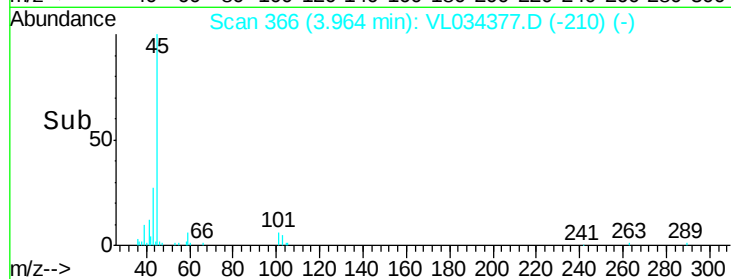
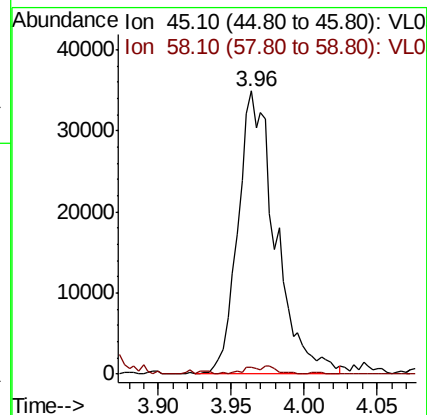
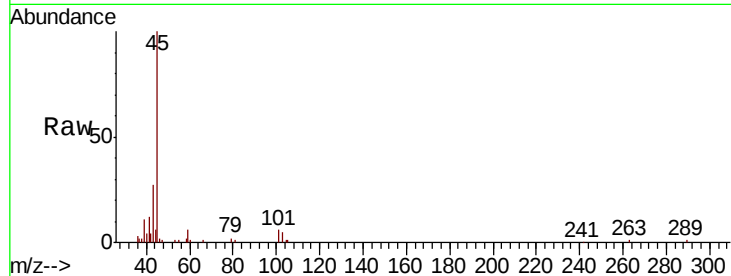
58 0.0 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.575 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion: 84 Resp: 30968

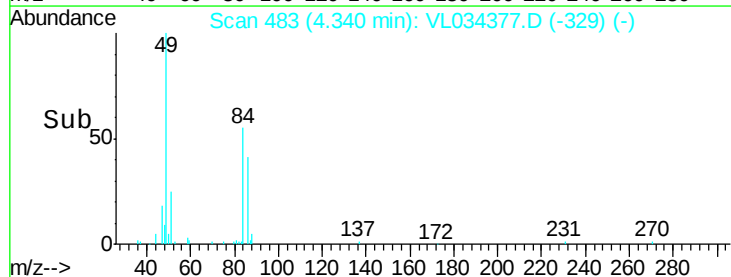
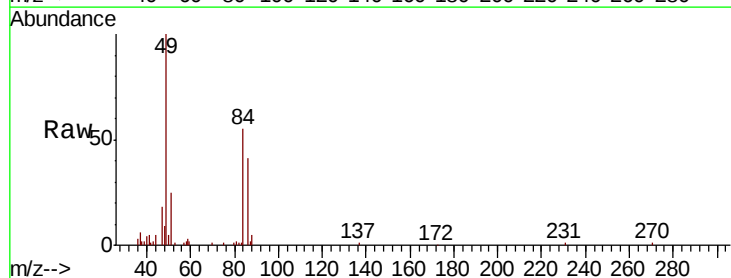
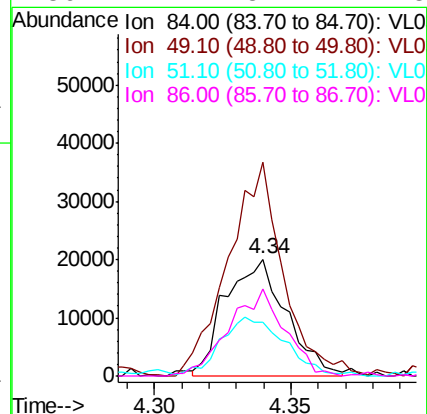
Ion Ratio Lower Upper

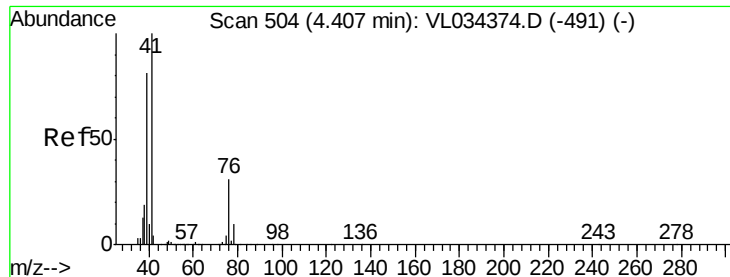
84 100

49 176.6 118.5 177.7

51 45.2 38.8 58.2

86 77.2 51.7 77.5





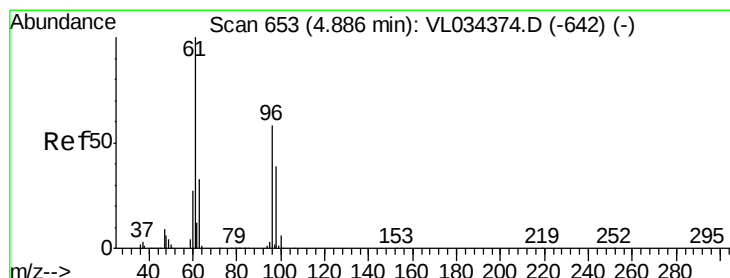
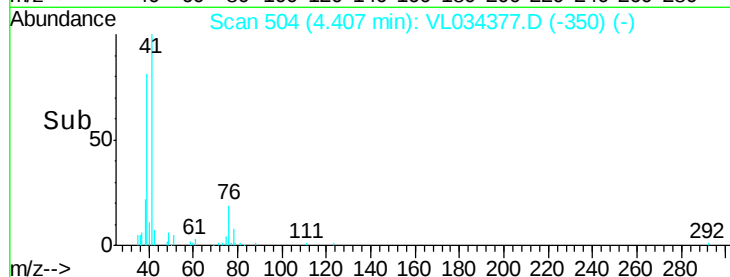
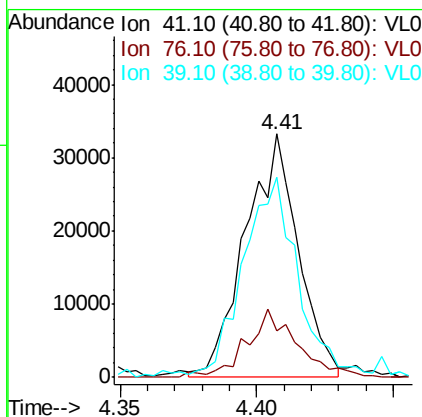
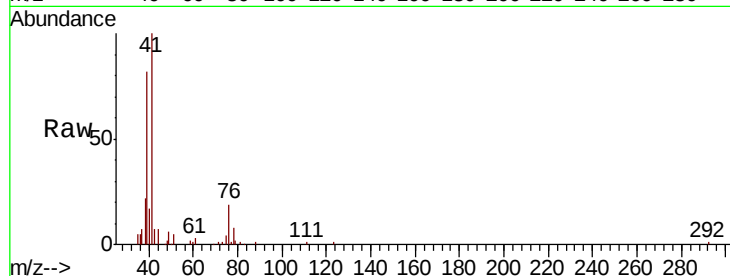
#21
Allvl Chloride
Concen: 0.542 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	26.9	22.8	34.2
39	88.7	66.0	99.0

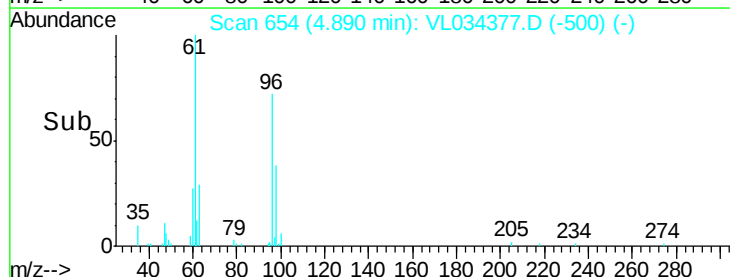
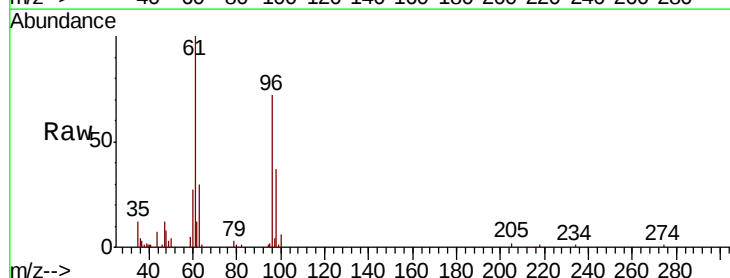
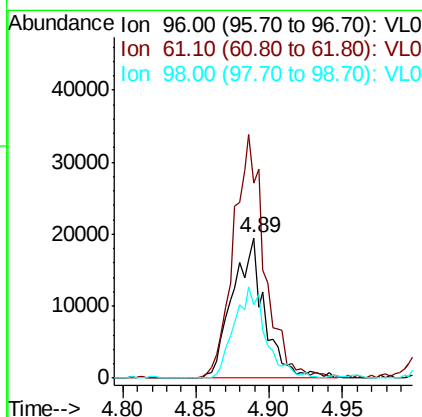
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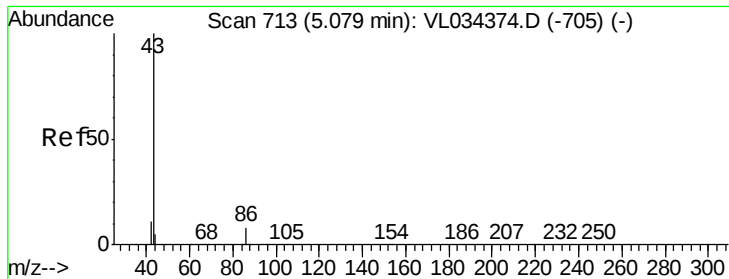
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.612 ppbv m
RT: 4.89 min Scan# 654
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	133.8	200.6
98	52.0	49.4	74.0





#23

Vinyl Acetate

Concen: 0.519 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

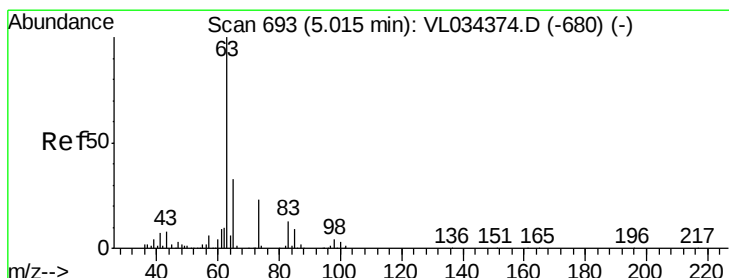
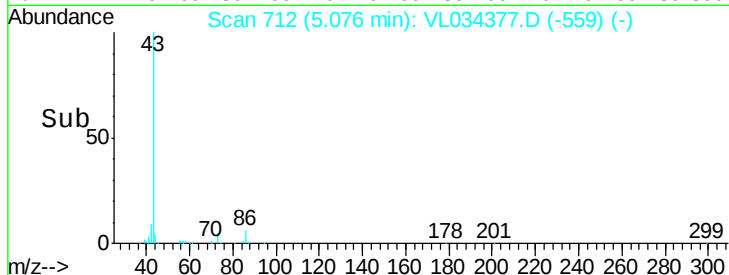
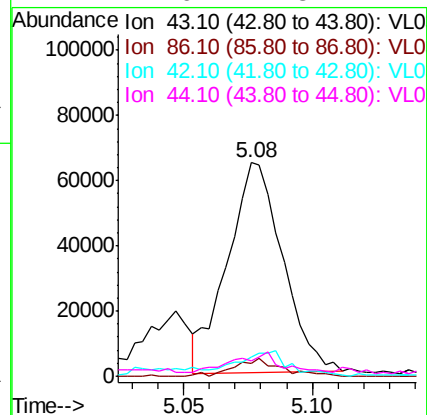
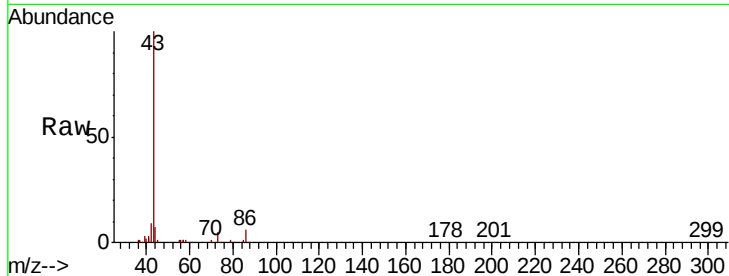
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		96591		
86	5.9	5.0	7.4		
42	8.1	8.6	13.0#		
44	2.6	4.8	7.2#		

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#24

1,1-Dichloroethane

Concen: 0.593 ppbv

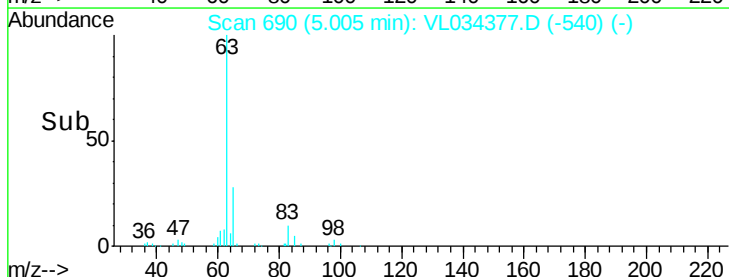
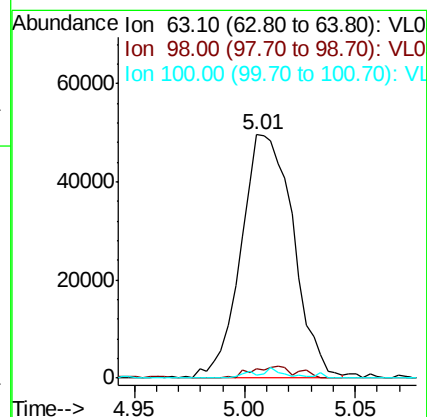
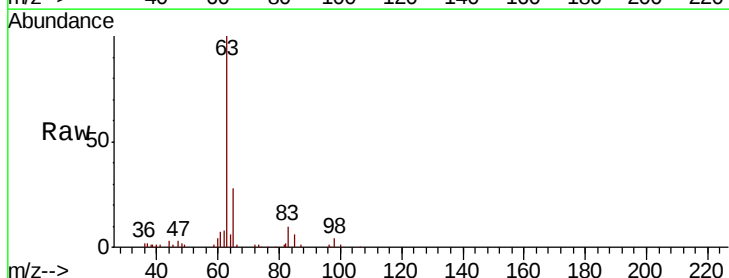
RT: 5.01 min Scan# 690

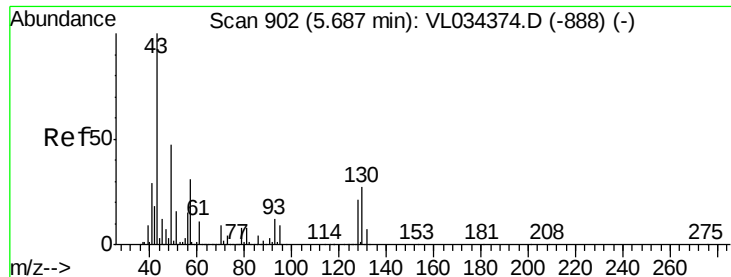
Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		81774		
98	3.7	2.0	6.0		
100	1.2	1.1	3.5		





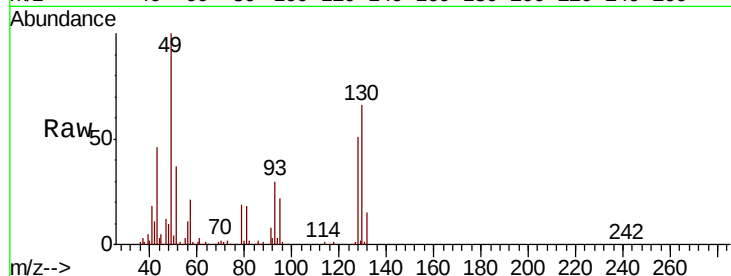
#25
Ethyl Acetate
Concen: 0.574 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

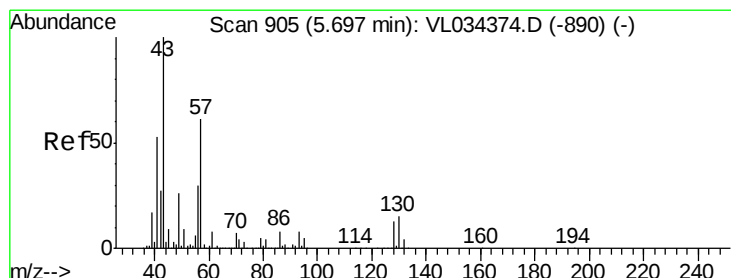
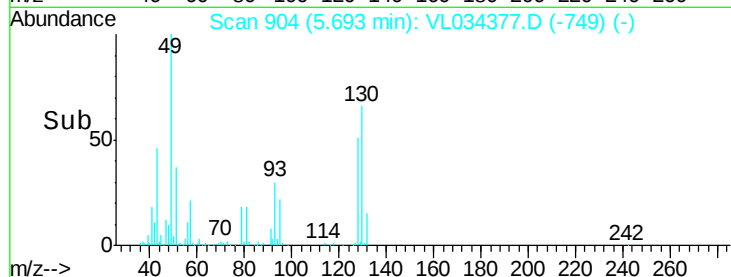
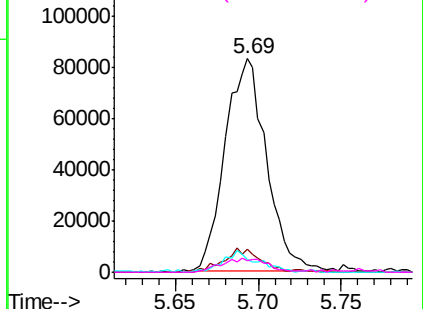
Tot Ion	43	Resp	144310
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.3	7.7	11.5
70	7.5	5.4	8.2

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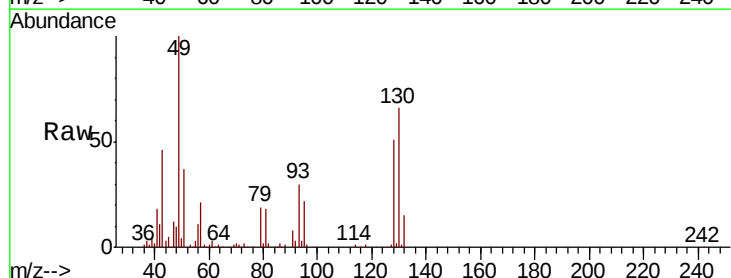


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

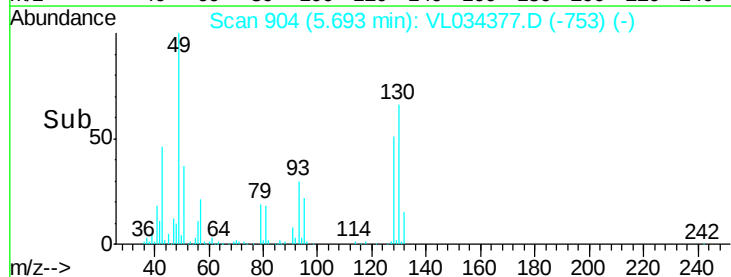
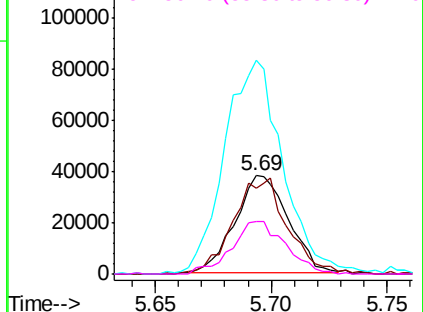


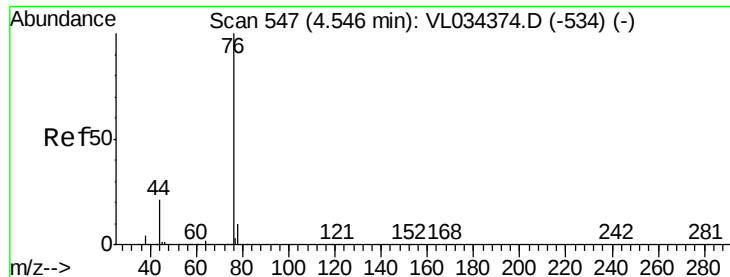
#26
Hexane
Concen: 0.569 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	57	Resp	60946
Ion	Ratio	Lower	Upper
57	100		
41	100.5	76.5	114.7
43	245.4	188.5	282.7
56	54.6	42.8	64.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.498 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

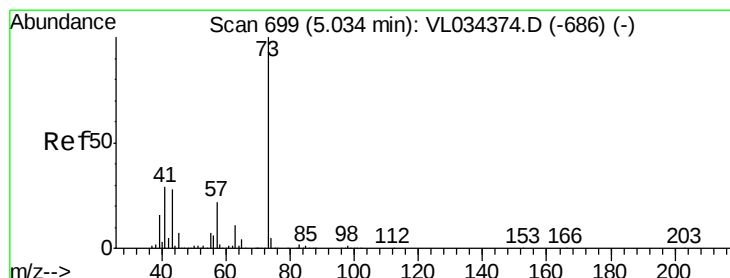
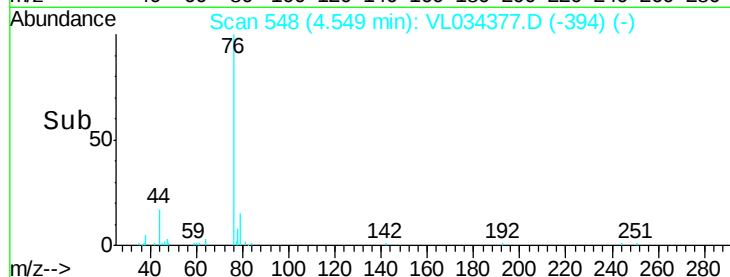
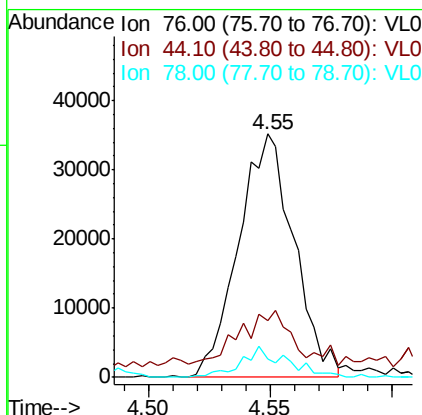
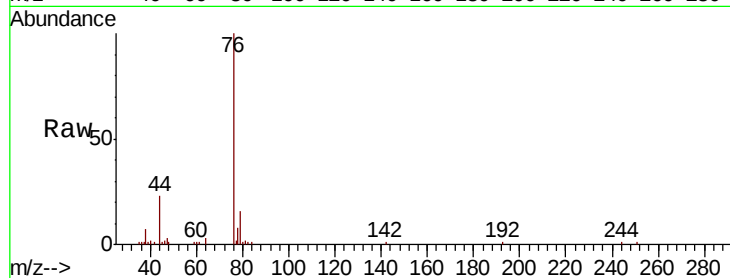
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	55383
Ion Ratio	Lower	Upper	
76	100		
44	31.4	17.3	25.9#
78	10.4	7.8	11.6

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 0.604 ppbv

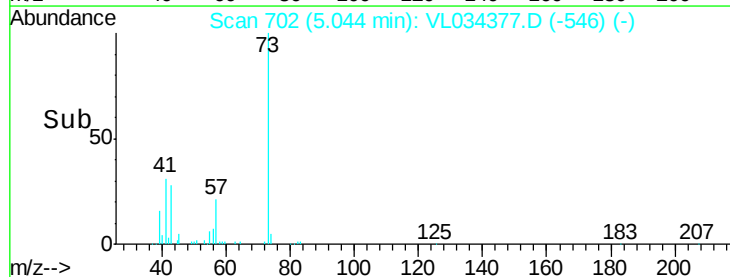
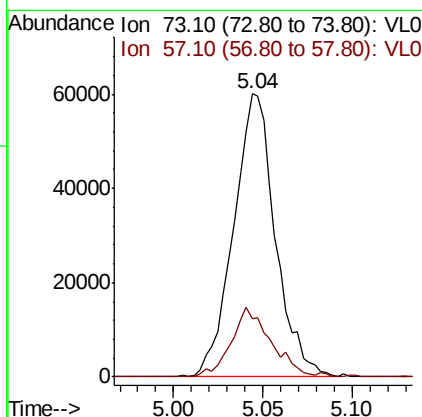
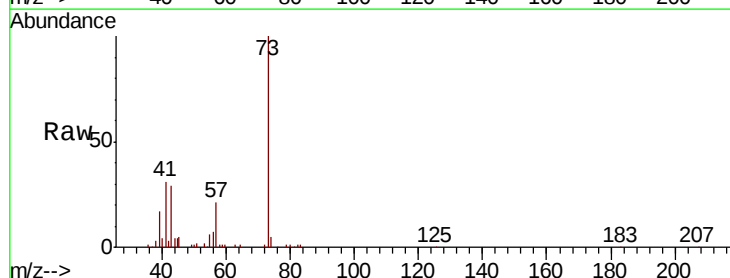
RT: 5.04 min Scan# 702

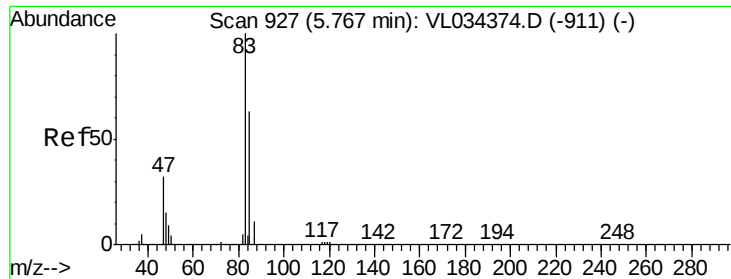
Delta R.T. 0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	73	Resp:	97909
Ion Ratio	Lower	Upper	
73	100		
57	23.7	19.2	28.8





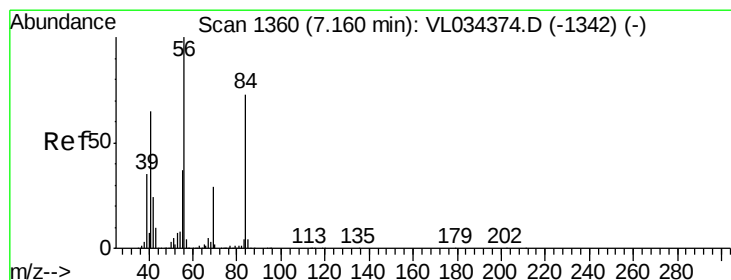
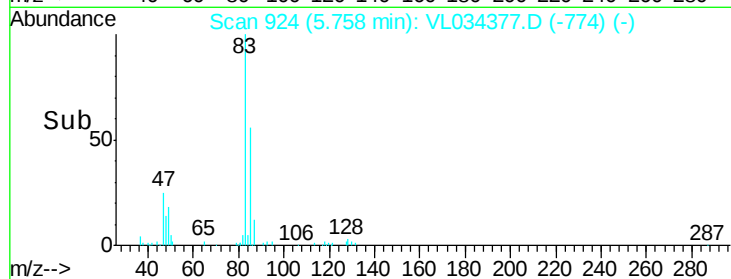
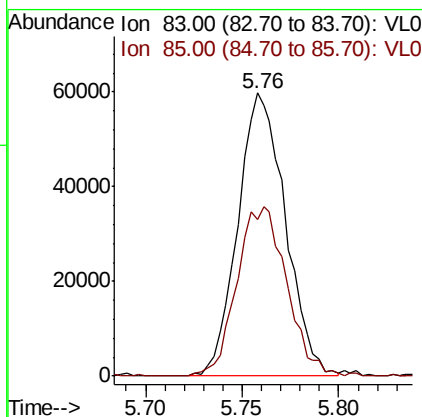
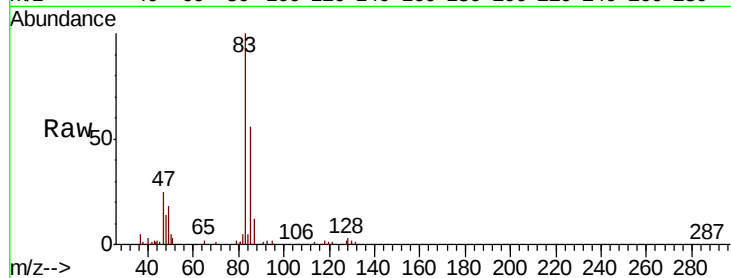
#29
Chloroform
Concen: 0.601 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	83	Resp	101934
Ion Ratio	Lower	Upper	
83	100		
85	55.5	50.5	75.7

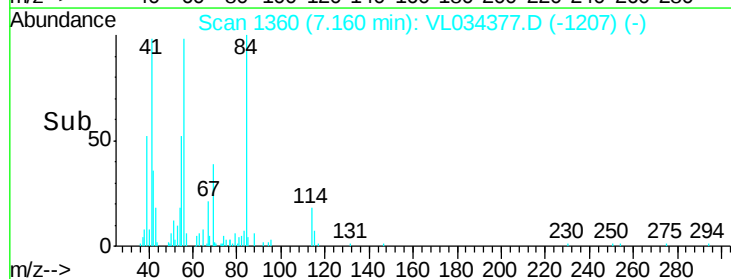
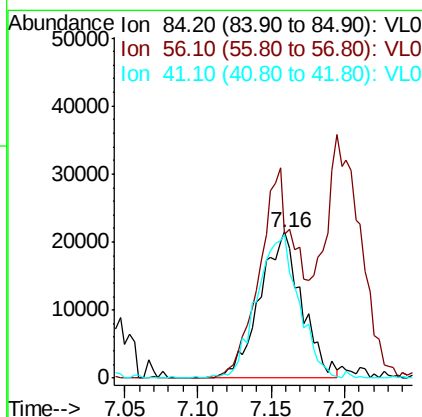
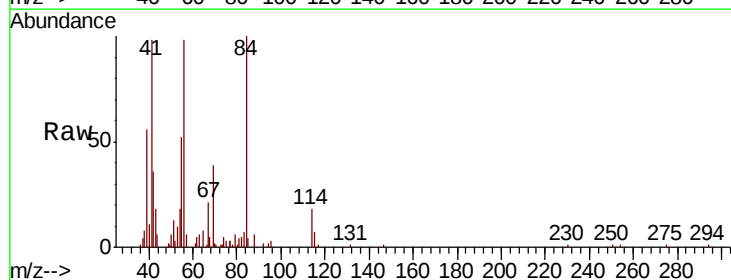
Manual Integrations
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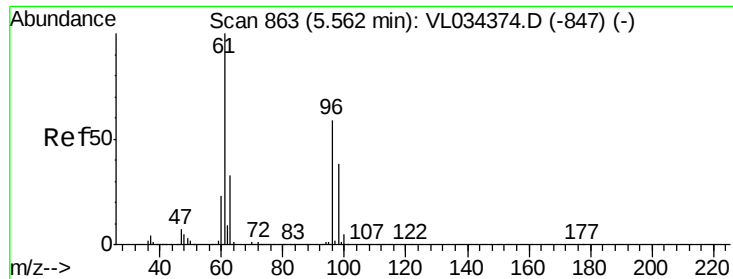
MMDadoda
11/20/2019 3:53:20 PM



#30
Cyclohexane
Concen: 0.541 ppbv m
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	84	Resp	42594
Ion Ratio	Lower	Upper	
84	100		
56	0.0	119.4	179.0#
41	0.0	78.7	118.1#





#31

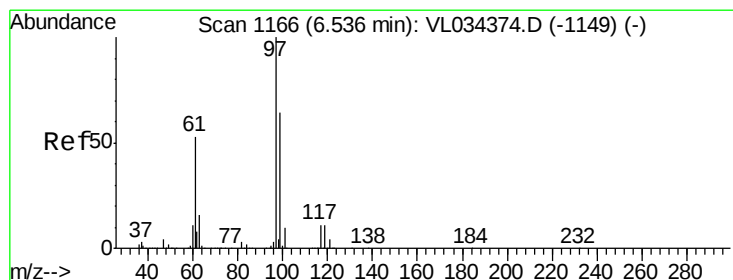
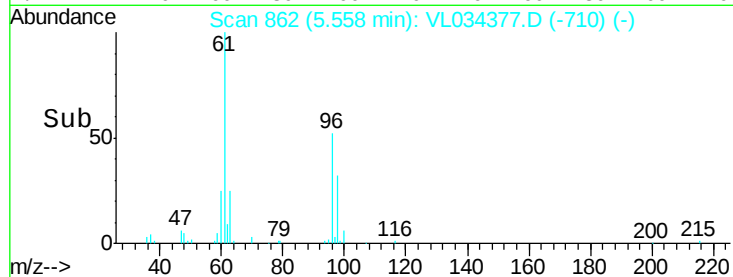
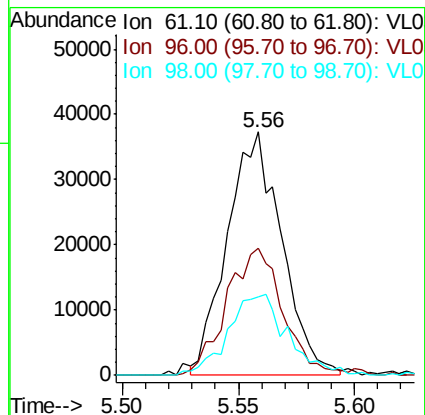
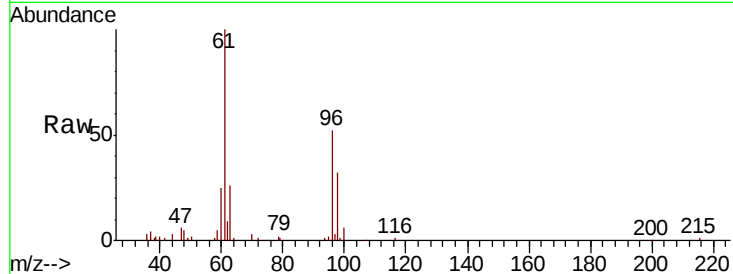
cis-1,2-Dichloroethene
Concen: 0.558 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
61	100	60631		
96	51.2		47.5	71.3
98	30.9		28.8	43.2

Manual Integrations
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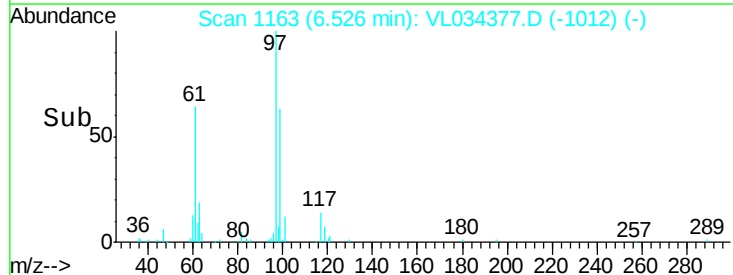
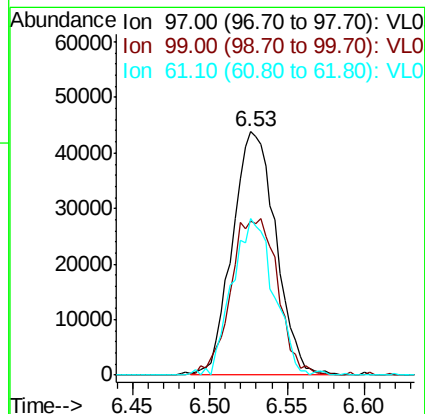
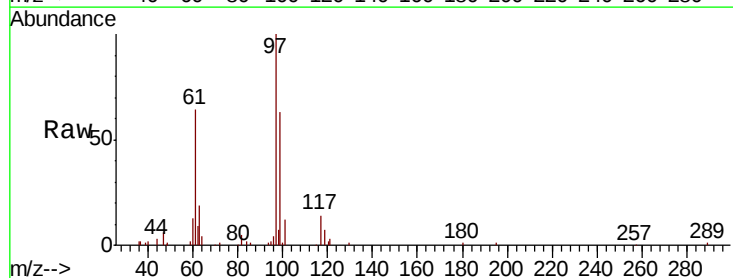
MMDadoda
11/20/2019 3:53:20 PM

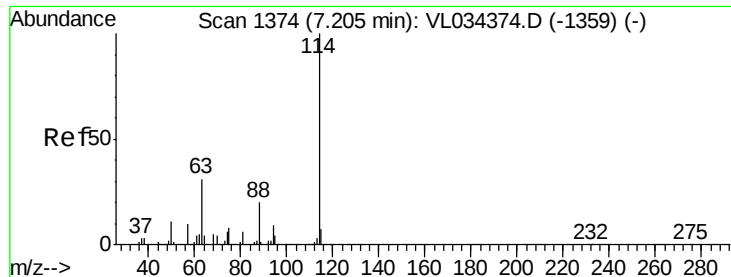


#32

1,1,1-Trichloroethane
Concen: 0.521 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	85791		
99	68.7		52.6	78.8
61	62.1		44.5	66.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

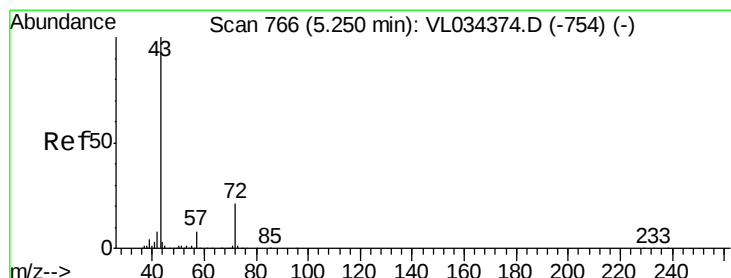
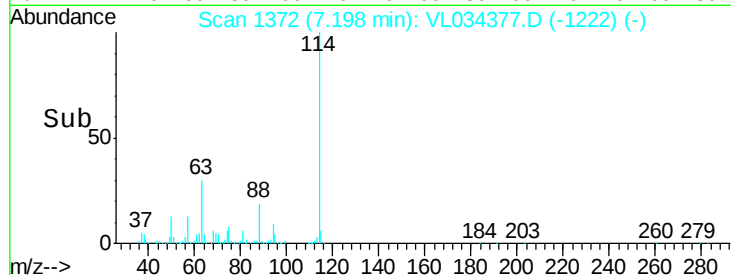
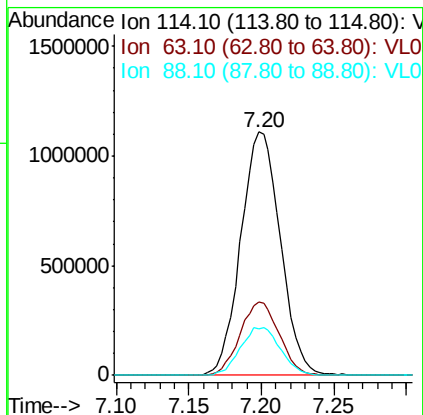
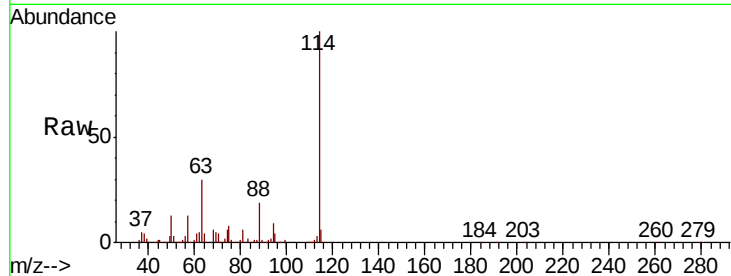
ClientSampleId :

VSTDIC0.5

Tot Ion:	114	Resp:	2109577
Ion	Ratio	Lower	Upper
114	100		
63	29.9	25.2	37.8
88	20.0	16.0	24.0

Manual Integrations
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#34

2-Butanone

Concen: 0.533 ppbv

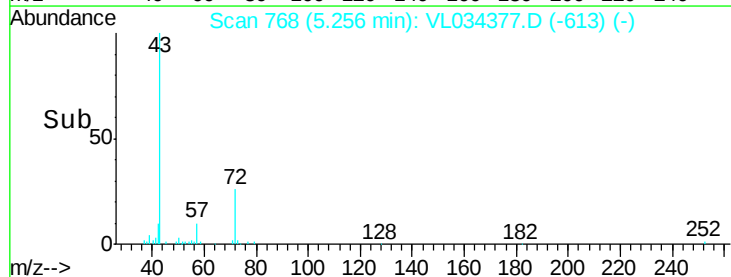
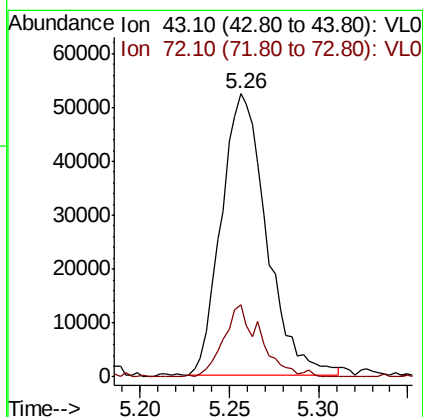
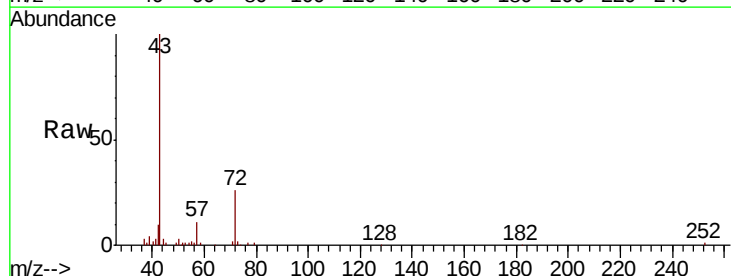
RT: 5.26 min Scan# 768

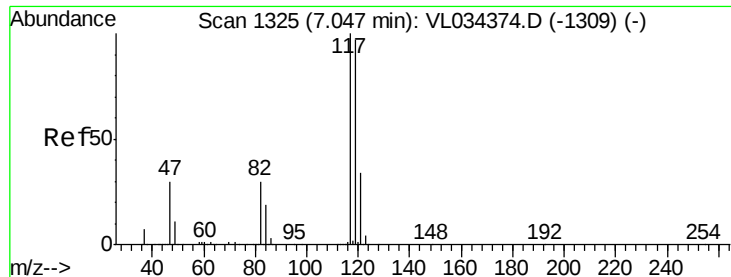
Delta R.T. -0.00 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	43	Resp:	91854
Ion	Ratio	Lower	Upper
43	100		
72	21.3	16.3	24.5





#35

Carbon Tetrachloride

Concen: 0.501 ppbv m

RT: 7.04 min Scan# 1322

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

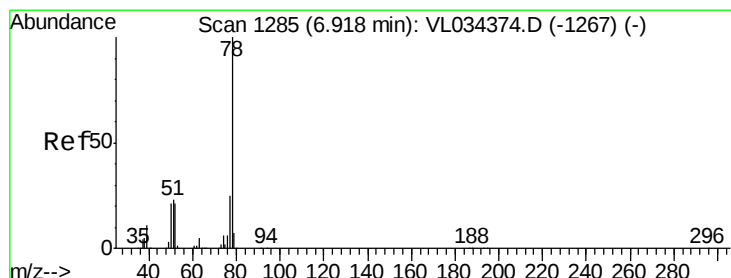
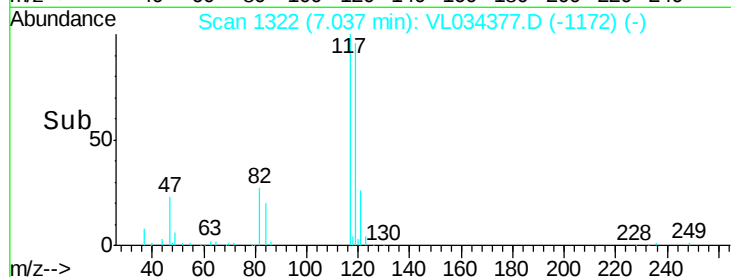
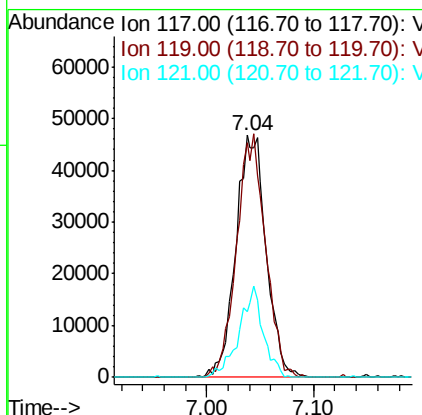
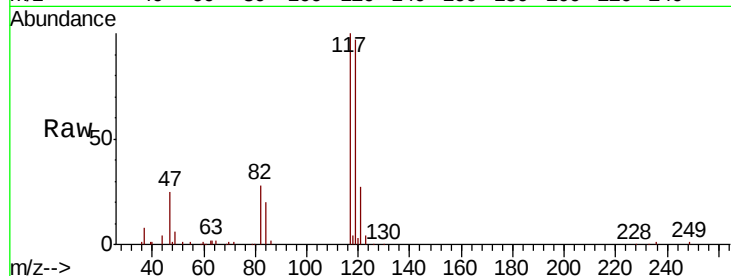
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	92029
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.3	115.9
121	27.1	25.5	38.3

Manual Integrations
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#36

Benzene

Concen: 0.520 ppbv

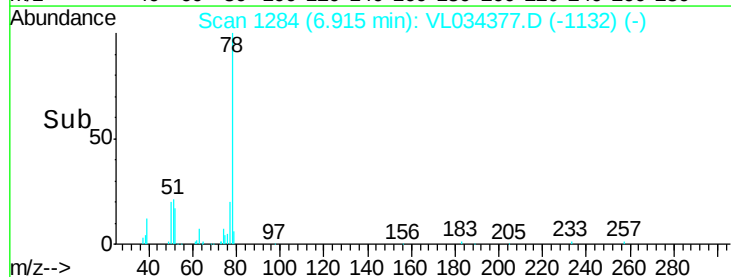
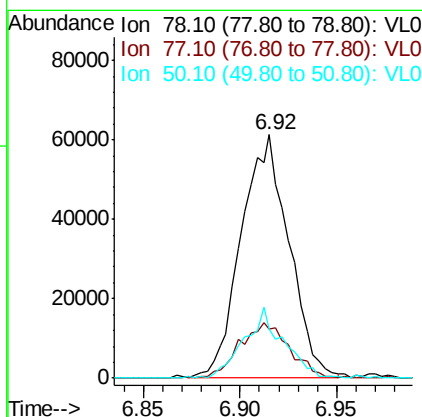
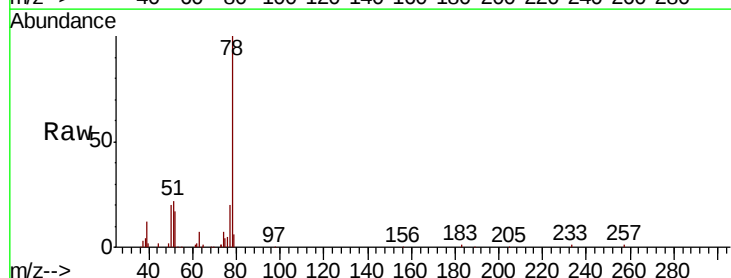
RT: 6.92 min Scan# 1284

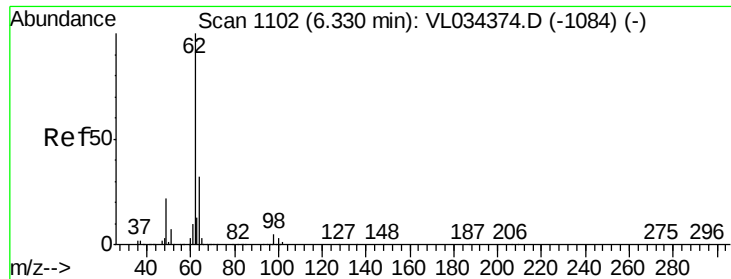
Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	78	Resp:	105155
Ion	Ratio	Lower	Upper
78	100		
77	20.2	19.0	28.4
50	19.3	18.6	27.8





#37

1,2-Dichloroethane

Concen: 0.552 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 83337

Ion Ratio Lower Upper

62 100

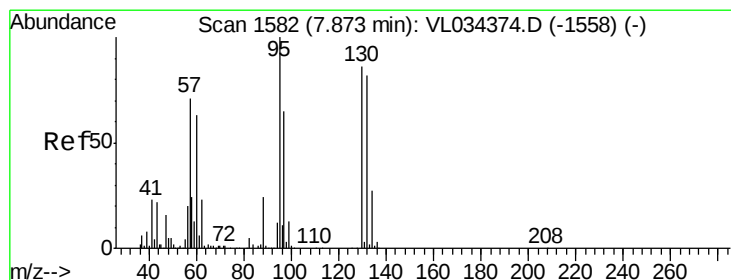
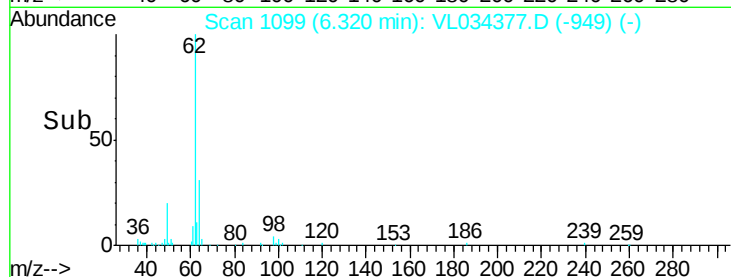
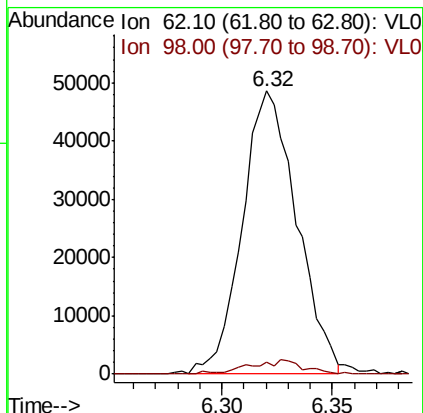
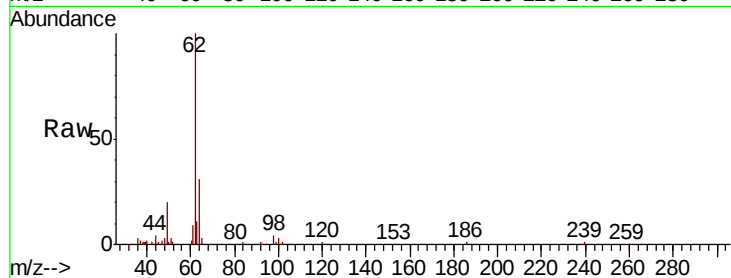
98 5.1 3.8 5.6

Manual Integrations

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#38

Trichloroethene

Concen: 0.532 ppbv m

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion: 130 Resp: 43187

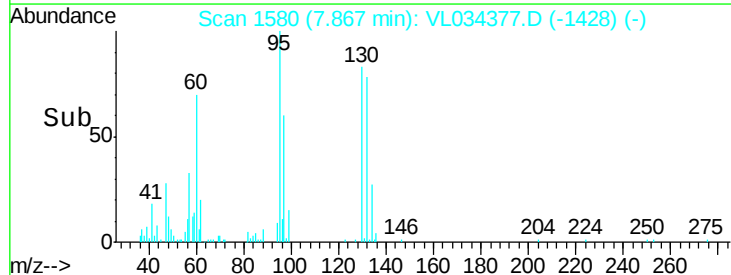
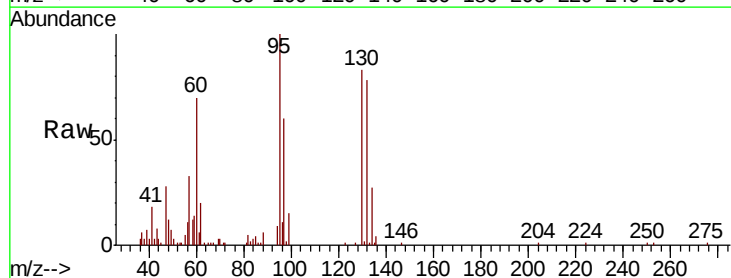
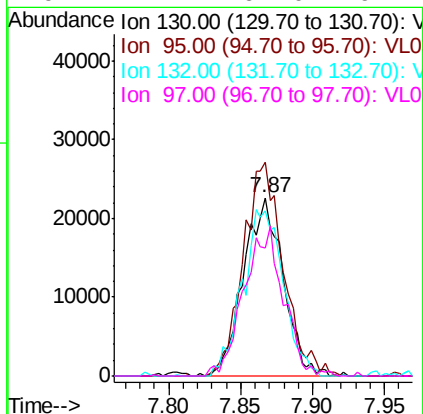
Ion Ratio Lower Upper

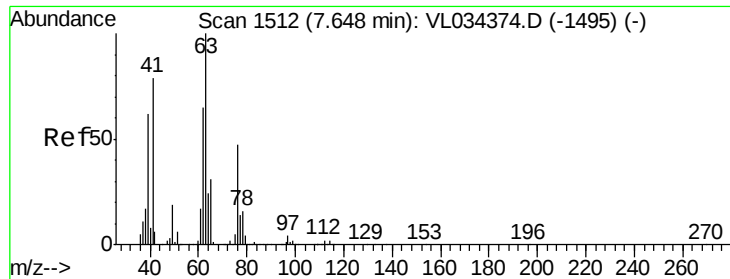
130 100

95 119.9 88.6 132.8

132 92.9 71.2 106.8

97 72.1 61.0 91.4





#39

1,2-Dichloropropane

Concen: 0.544 ppbv m

RT: 7.64 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

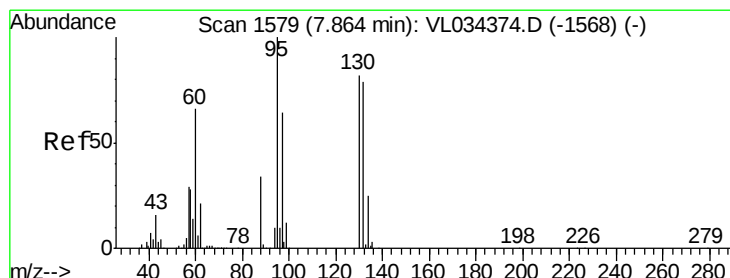
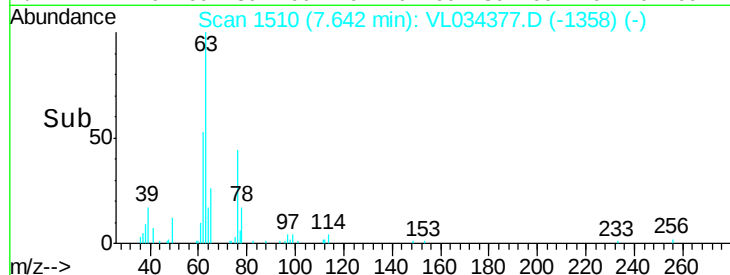
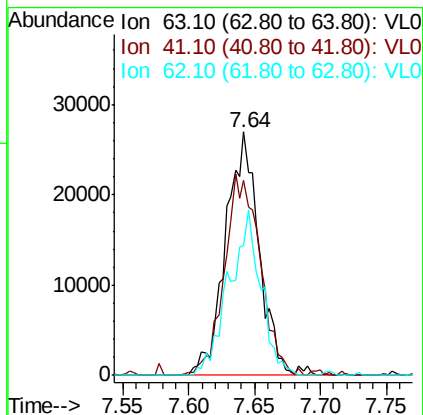
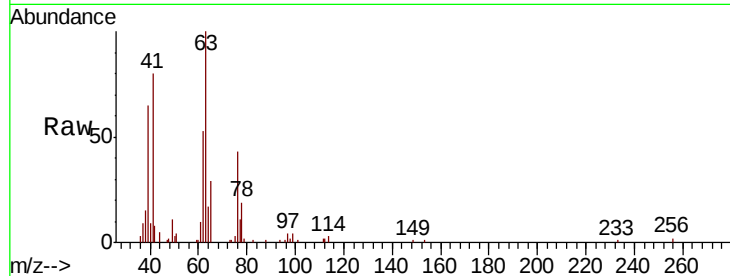
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	47446
Ion	Ratio	Lower	Upper
63	100		
41	80.3	65.6	98.4
62	53.2	53.0	79.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.597 ppbv m

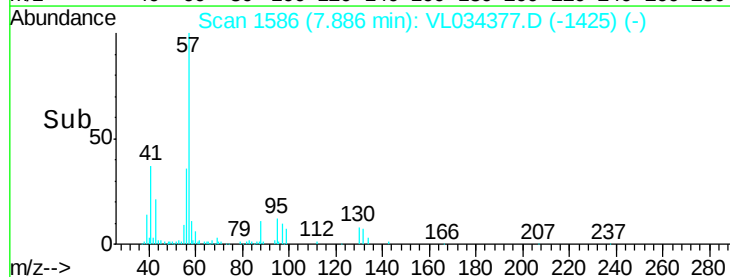
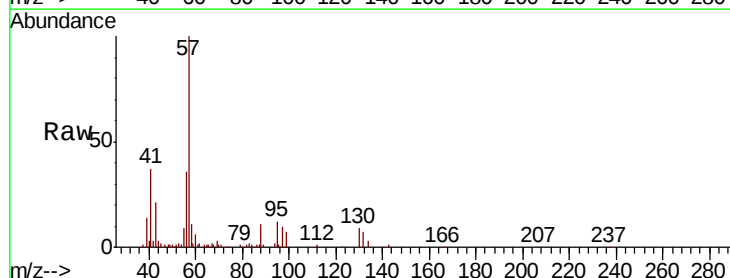
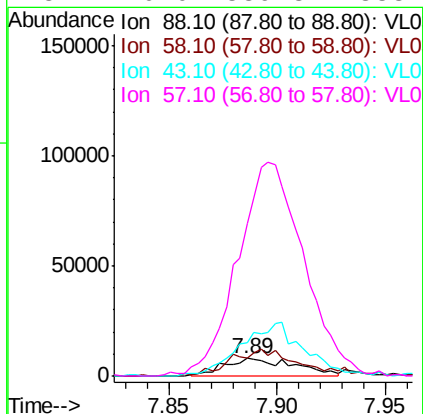
RT: 7.89 min Scan# 1586

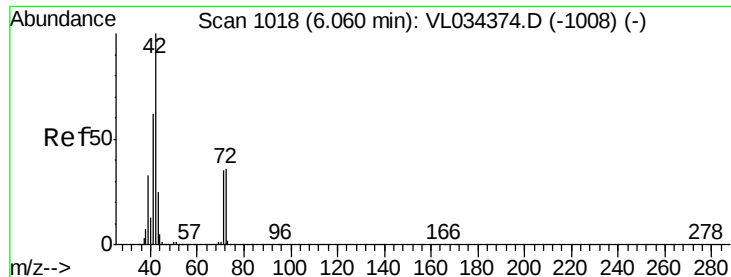
Delta R.T. 0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	88	Resp:	18296
Ion	Ratio	Lower	Upper
88	100		
58	0.0	110.3	165.5#
43	0.0	228.1	342.1#
57	0.0	889.3	1333.9#





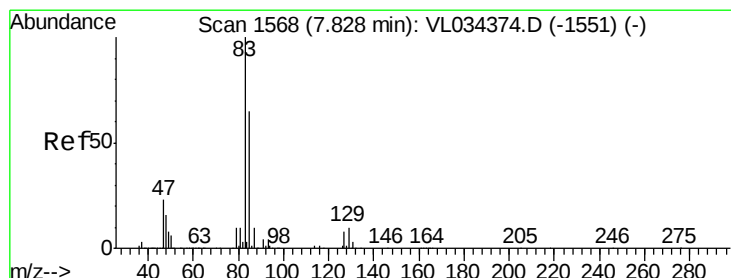
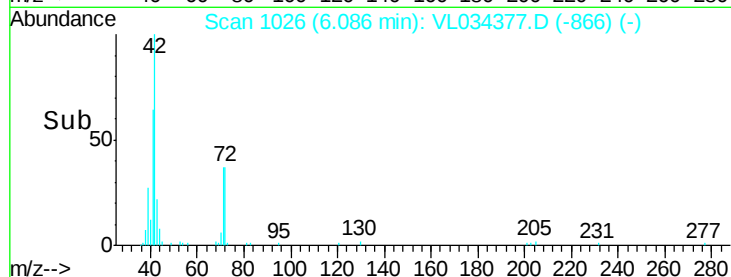
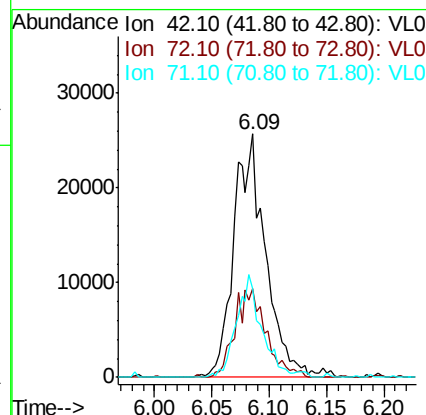
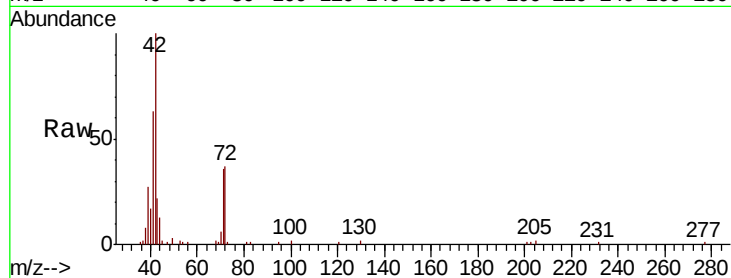
#41
Tetrahydrofuran
Concen: 0.518 ppbv m
RT: 6.09 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.0	42.0#
71	0.0	27.3	40.9#

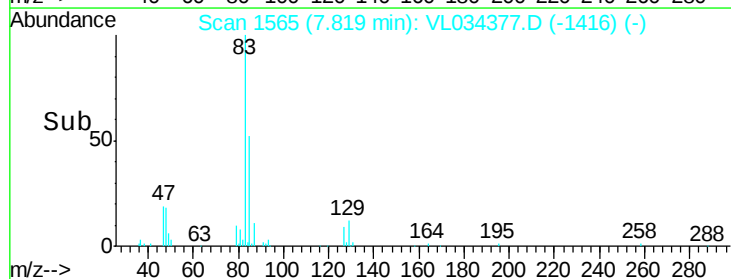
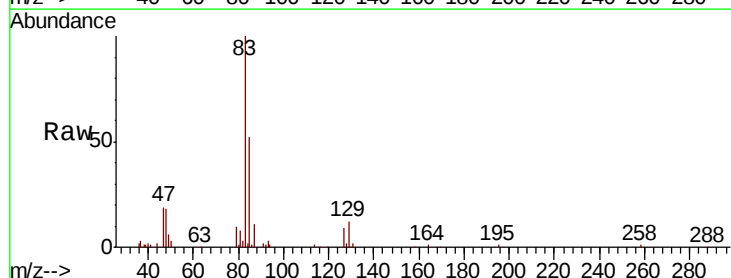
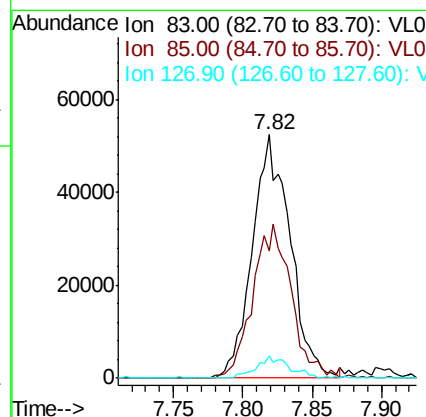
Manual Integrations
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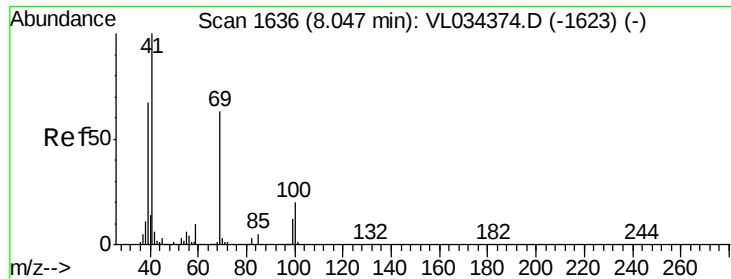
MMDadoda
11/20/2019 3:53:20 PM



#42
Bromodichloromethane
Concen: 0.532 ppbv m
RT: 7.82 min Scan# 1565
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.2	51.8	77.6
127	8.9	7.0	10.6





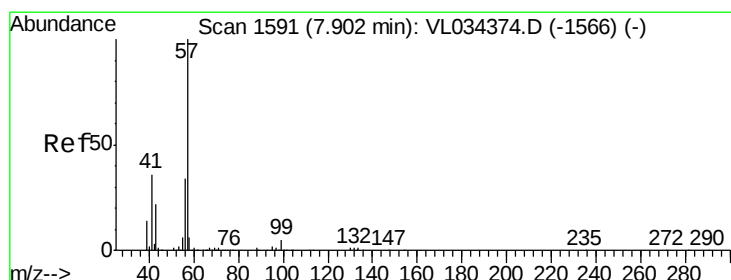
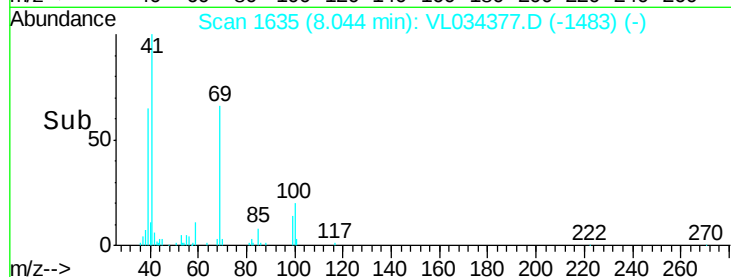
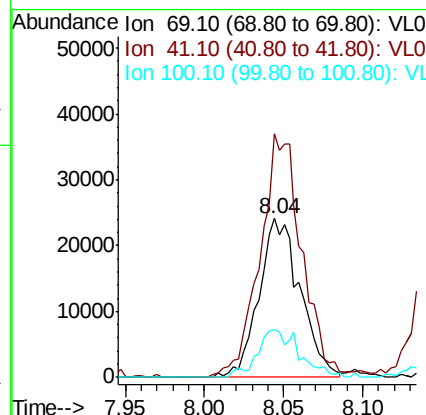
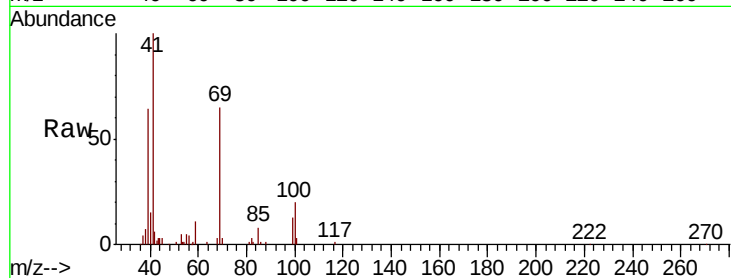
#43
Methvl Methacrilate
Concen: 0.529 ppbv m
RT: 8.04 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	156.0	132.1	198.1	
100	30.9	23.2	34.8	

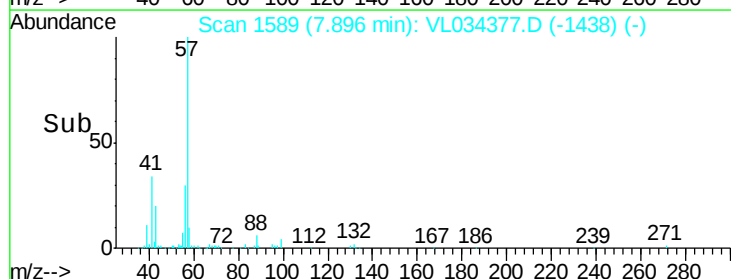
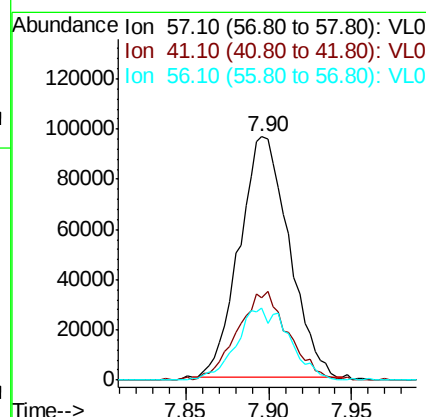
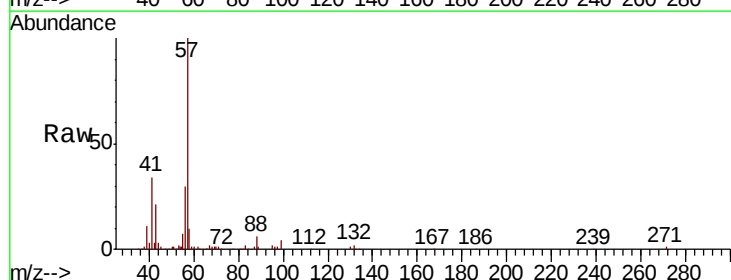
Manual Integrations
APPROVED

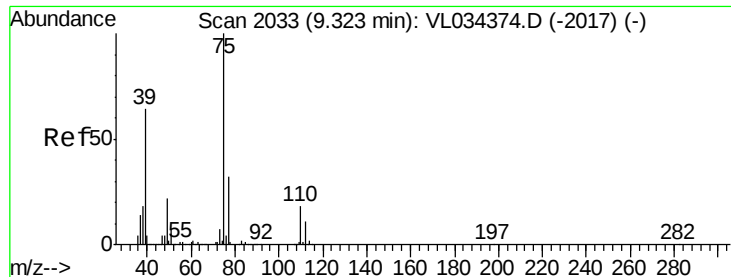
MMDadoda
11/20/2019 3:53:20 PM



#44
2,2,4-Trimethylpentane
Concen: 0.533 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	38.1	29.3	43.9	
56	32.2	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 0.481 ppbv m

RT: 9.31 min Scan# 2030

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 49106

Ion Ratio Lower Upper

75 100

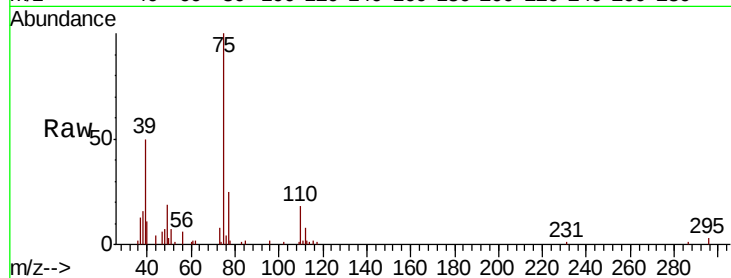
77 25.4 25.6 38.4#

Manual Integrations

APPROVED

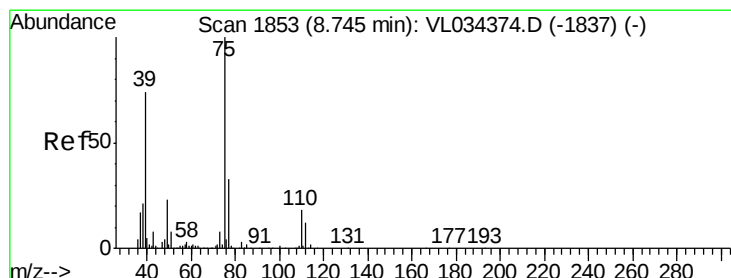
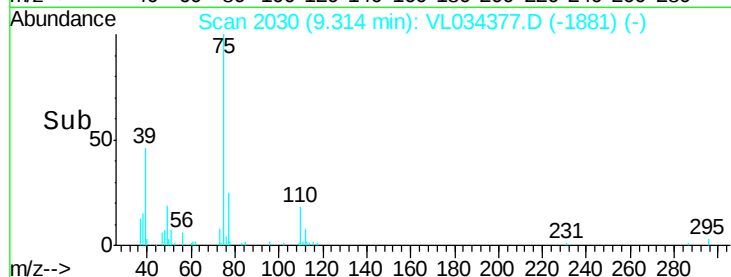
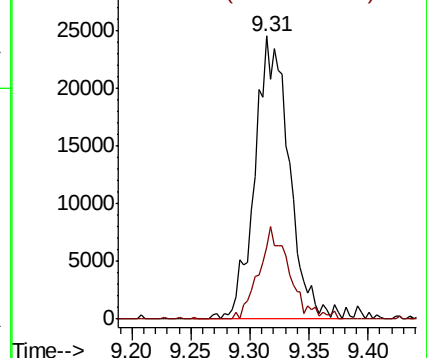
MMDadoda

11/20/2019 3:53:20 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.484 ppbv m

RT: 8.74 min Scan# 1851

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

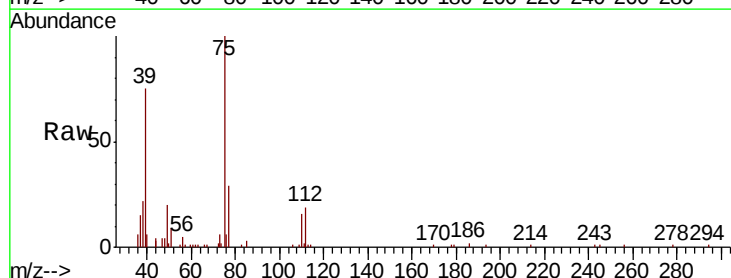
Tgt Ion: 75 Resp: 56660

Ion Ratio Lower Upper

75 100

39 75.4 61.2 91.8

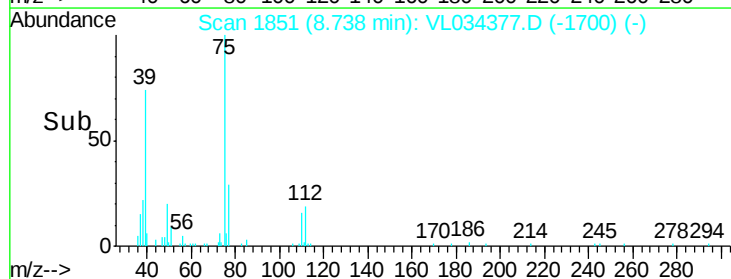
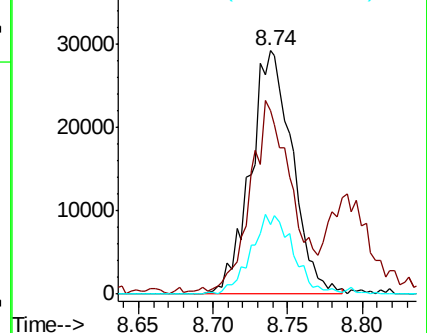
77 28.6 25.9 38.9

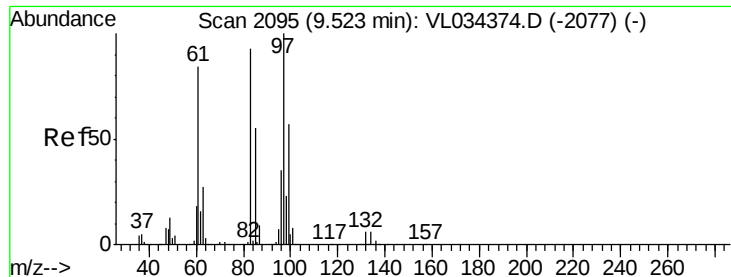


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





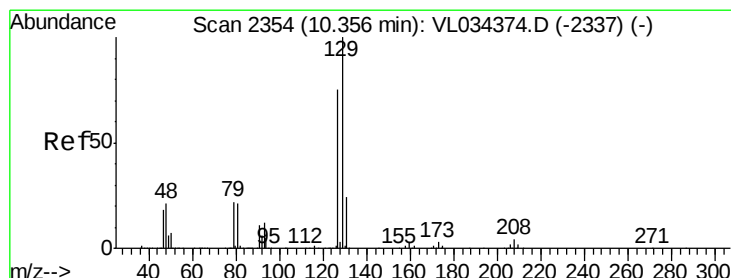
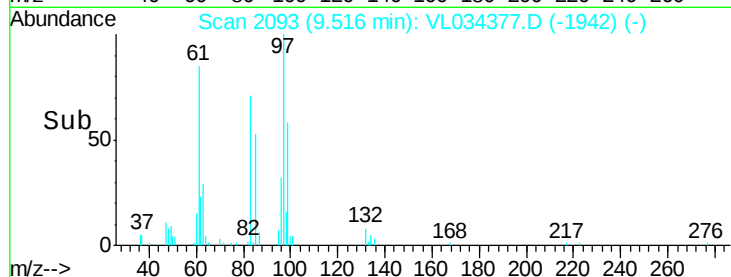
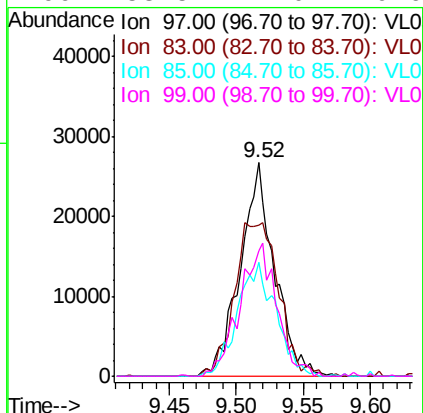
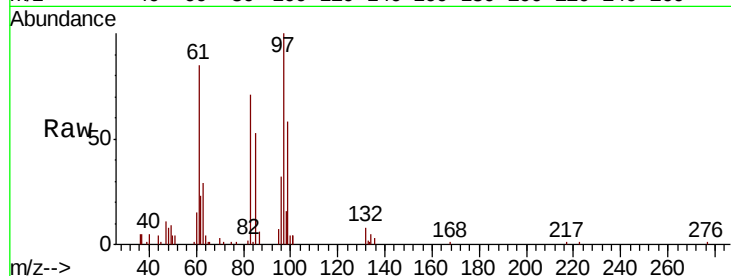
#47
 1,1,2-Trichloroethane
 Concen: 0.538 ppbv m
 RT: 9.52 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
83	70.6	74.2	111.2#
85	53.2	48.6	73.0
99	58.5	47.0	70.6

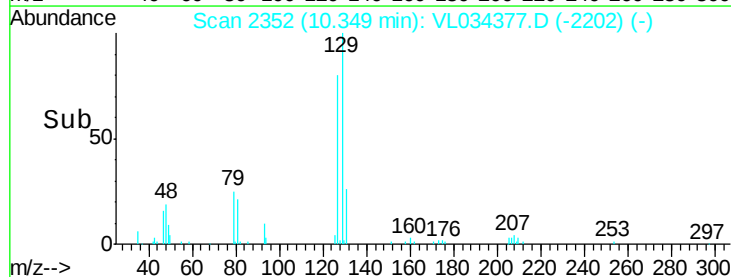
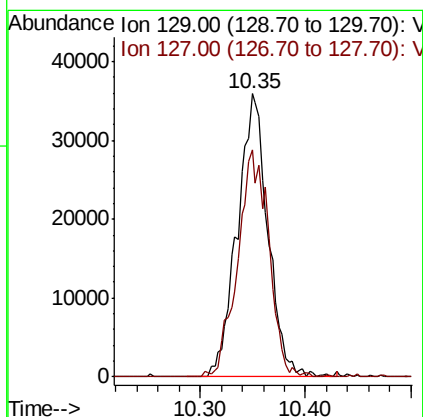
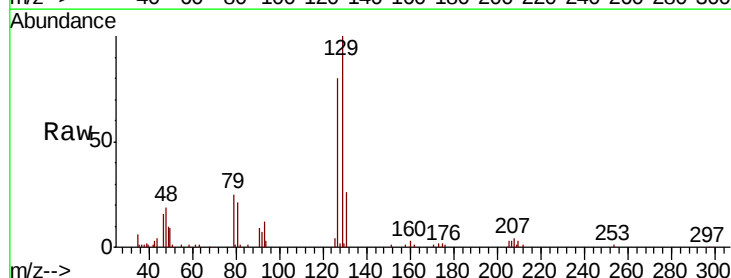
Manual Integrations
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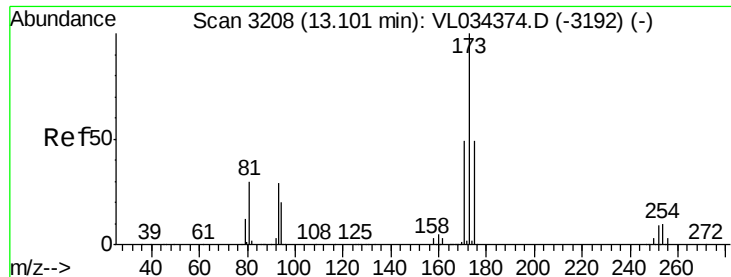
MMDadoda
 11/20/2019 3:53:20 PM



#48
 Dibromochloromethane
 Concen: 0.499 ppbv m
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.4	39.7	119.1





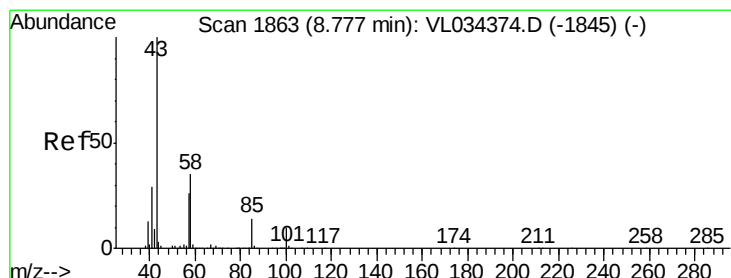
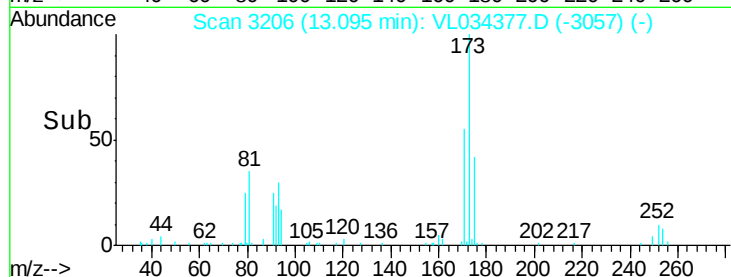
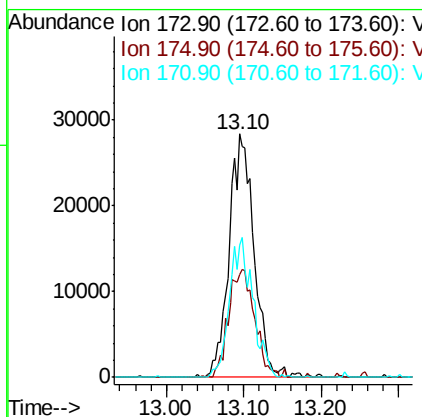
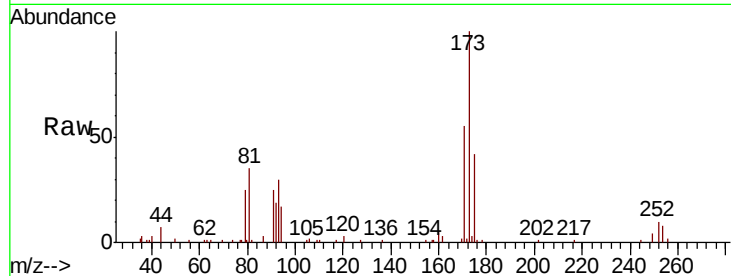
#49
Bromoform
Concen: 0.496 ppbv m
RT: 13.10 min Scan# 3206
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.8	59.6#
171	0.0	41.8	62.6#

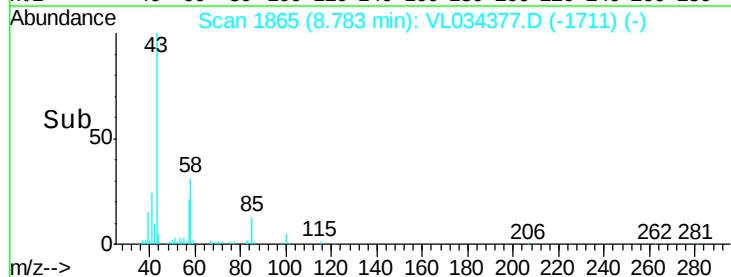
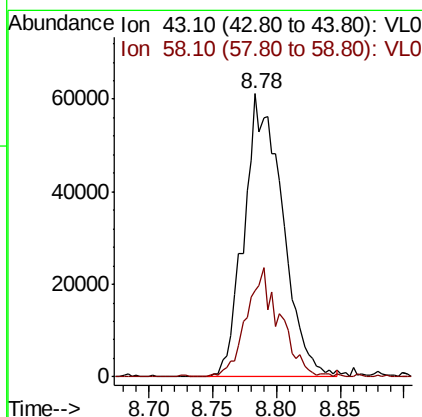
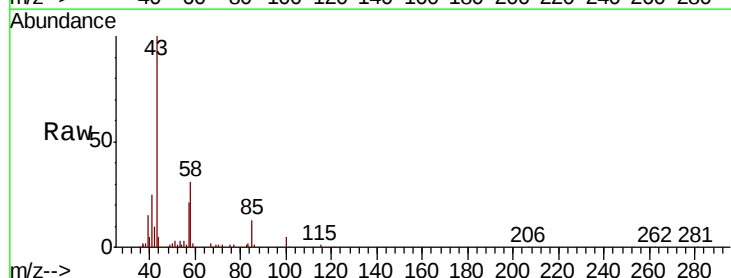
Manual Integrations
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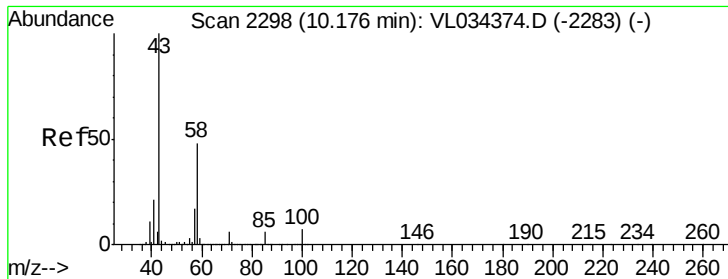
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 0.519 ppbv m
RT: 8.78 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.6	41.4#





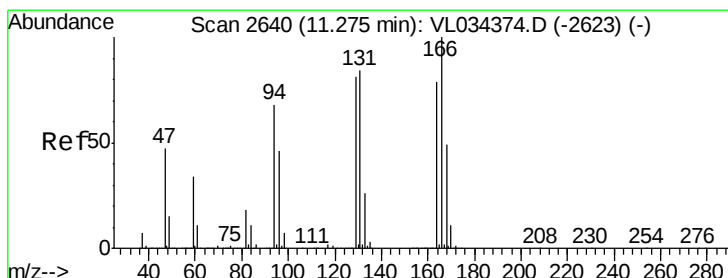
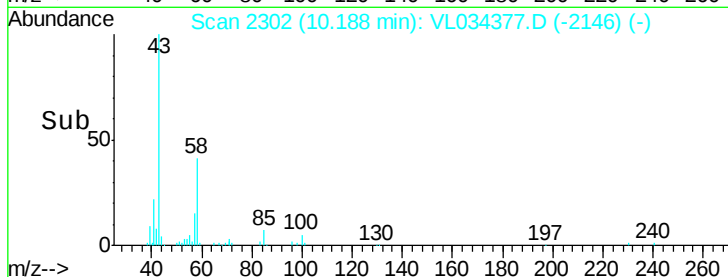
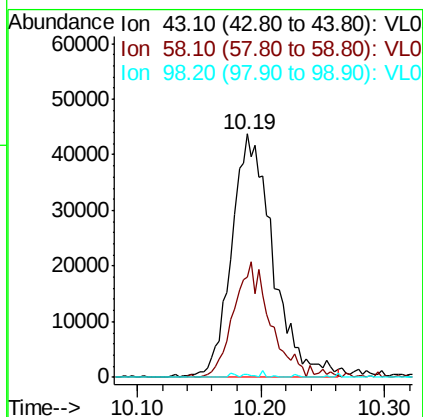
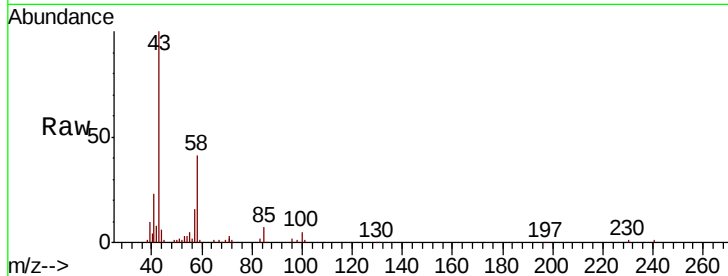
#51
2-Hexanone
Concen: 0.501 ppbv m
RT: 10.19 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.5	37.0	55.6
98	1.0	0.2	0.2

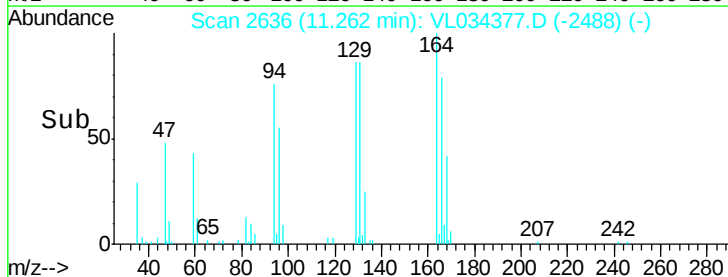
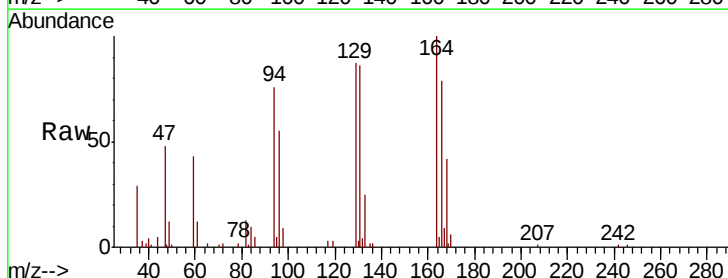
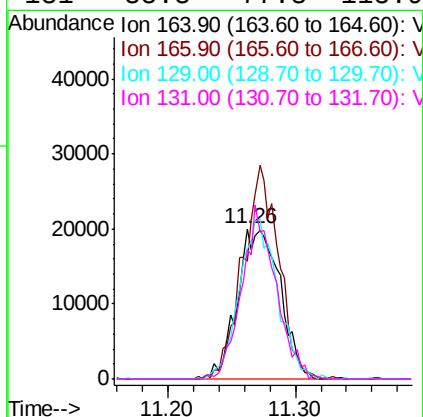
Manual Integrations
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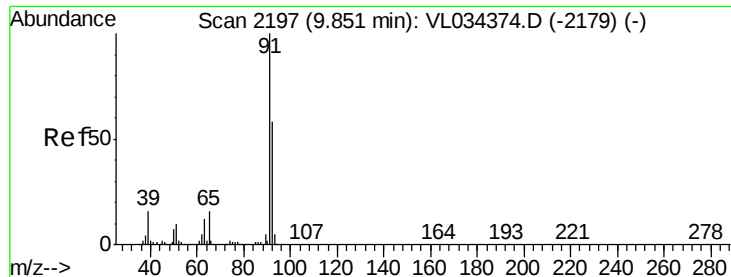
MMDadoda
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#52
Tetrachloroethene
Concen: 0.585 ppbv m
RT: 11.26 min Scan# 2636
Delta R.T. -0.03 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	78.8	95.3	142.9
129	87.3	84.5	126.7
131	85.8	77.3	115.9





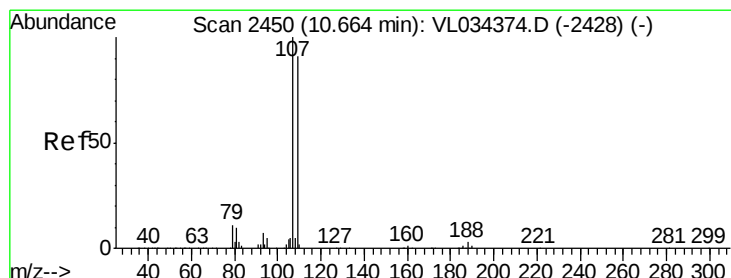
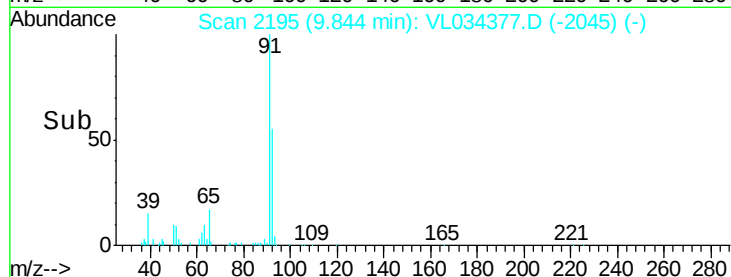
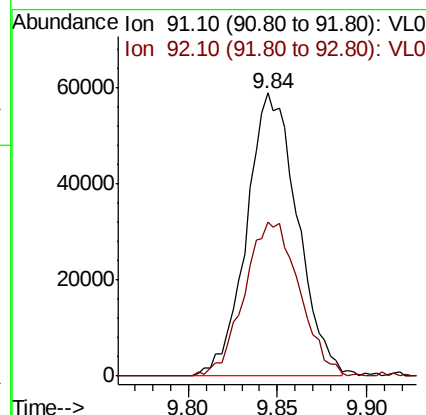
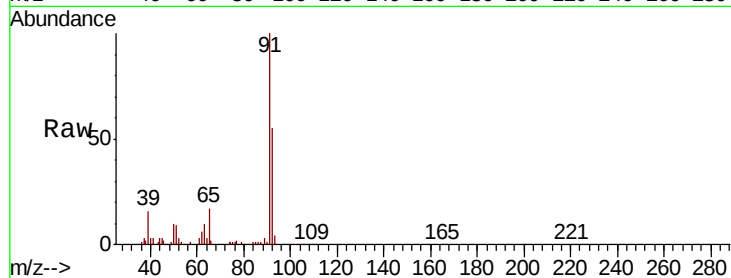
#53
Toluene
Concen: 0.524 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	58.8	48.4	72.6	

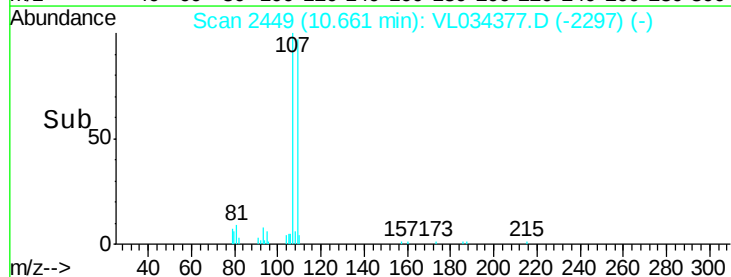
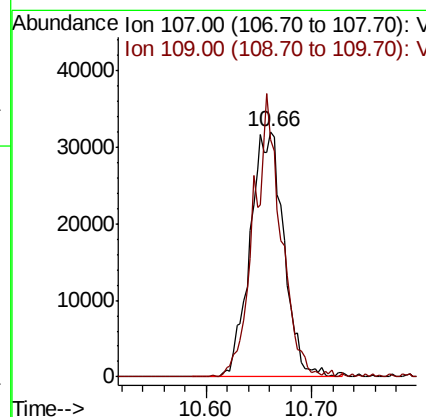
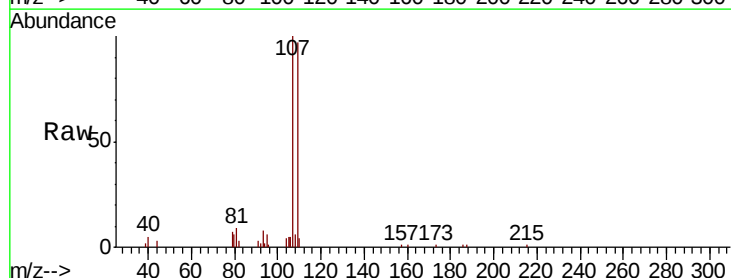
Manual Integrations
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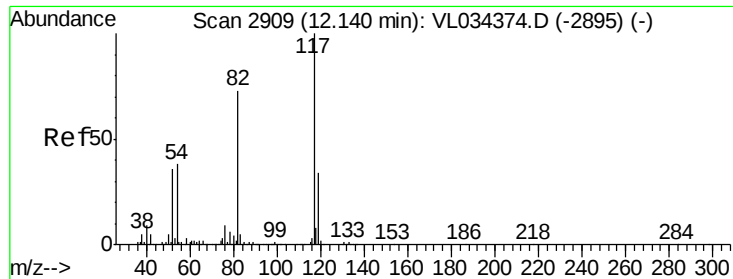
MMDadoda
11/20/2019 3:53:20 PM



#54
1,2-Dibromoethane
Concen: 0.545 ppbv m
RT: 10.66 min Scan# 2449
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	96.8	74.6	112.0	





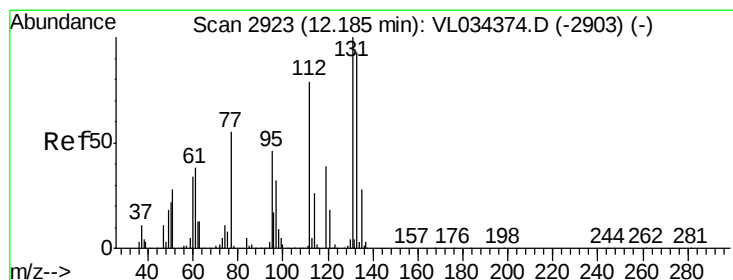
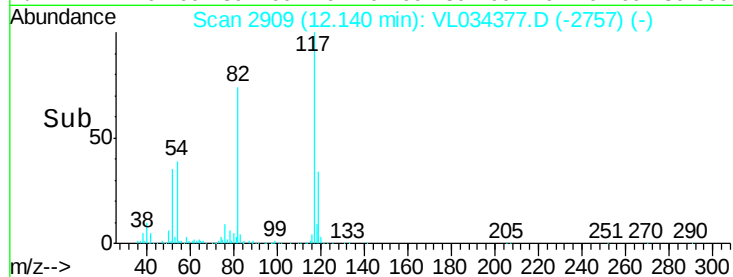
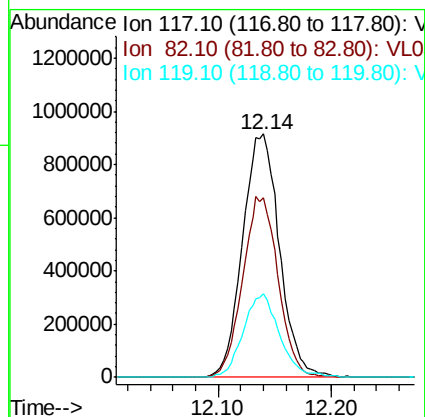
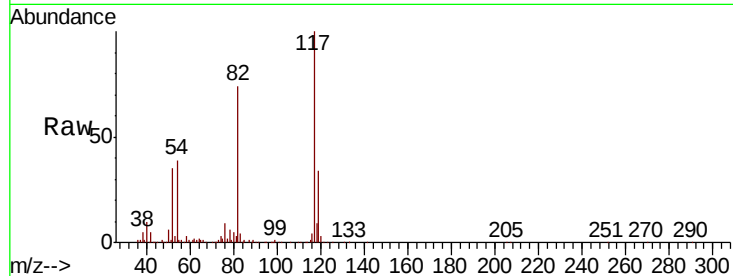
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.5	55.5	83.3
119	34.0	26.5	39.7

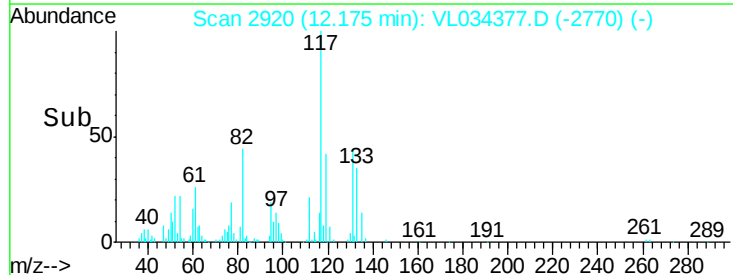
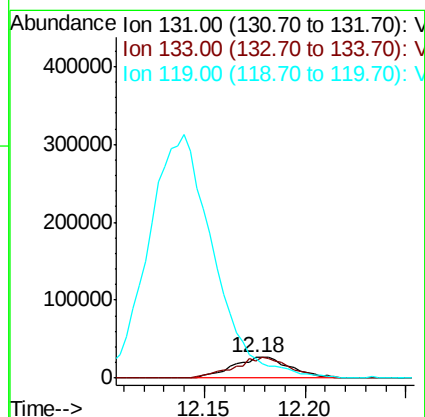
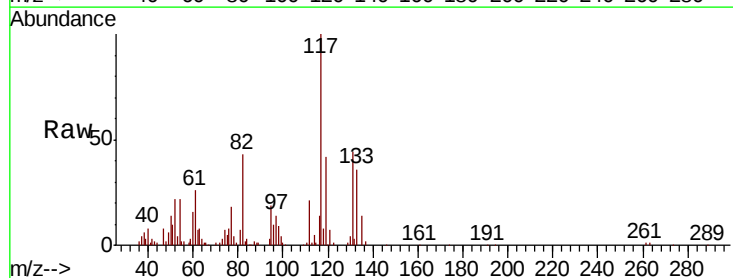
Manual Integrations
APPROVED

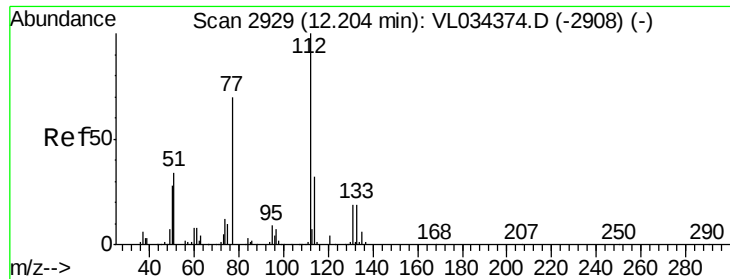
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.544 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.4	77.1	115.7
119	1358.1	49.0	73.4#





#57

Chlorobenzene

Concen: 0.608 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.03 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

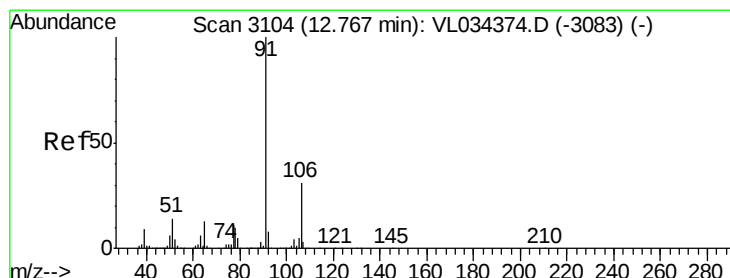
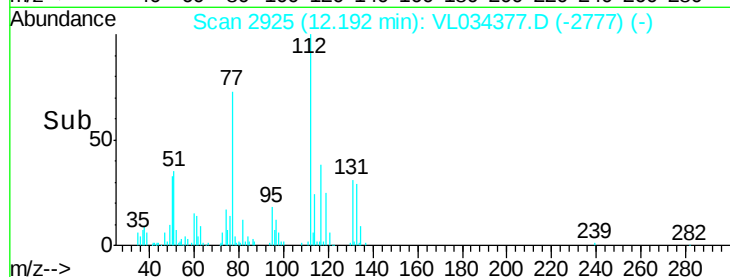
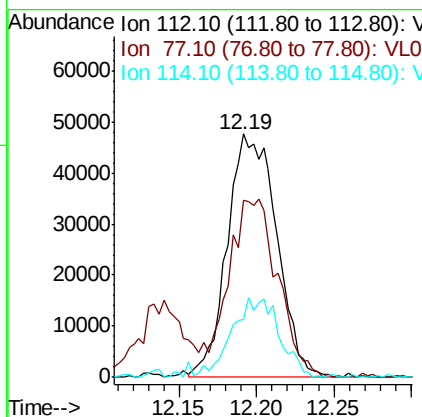
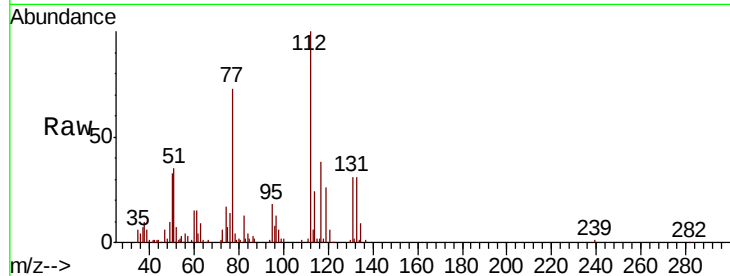
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.3	58.6	88.0
114	23.7	28.6	35.0

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#58

Ethyl Benzene

Concen: 0.574 ppbv

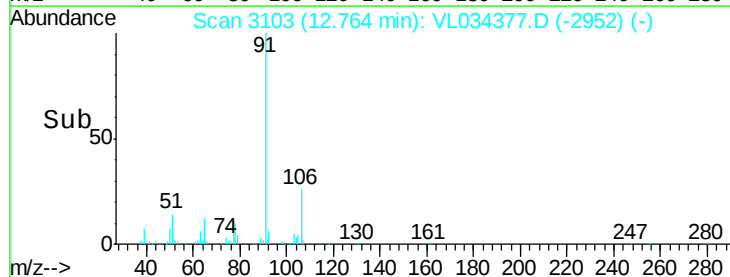
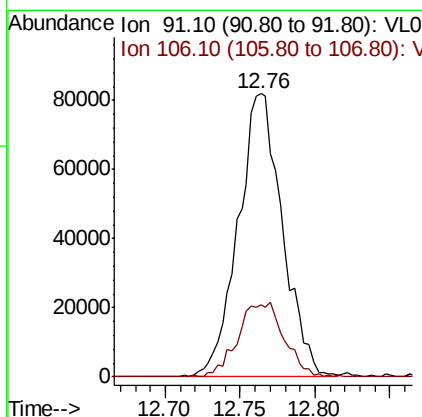
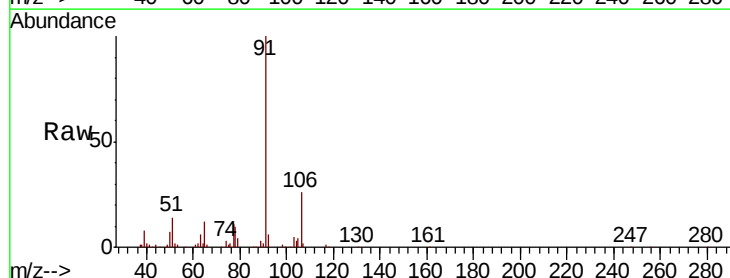
RT: 12.76 min Scan# 3103

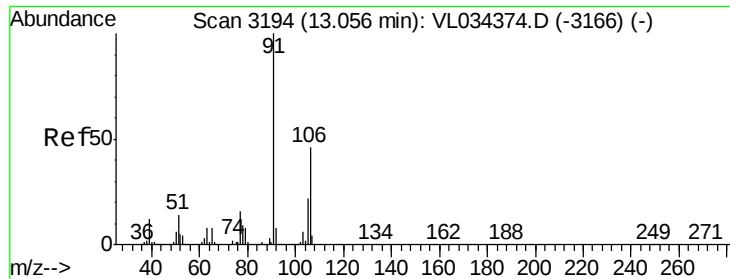
Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.5	25.3	37.9





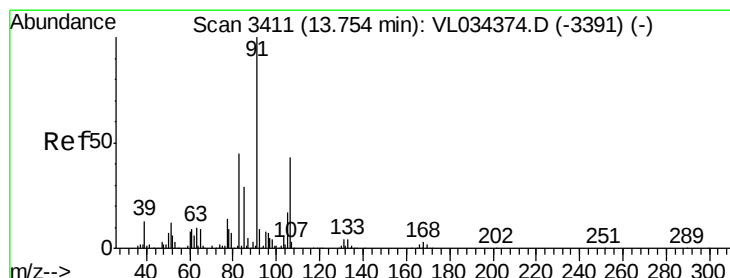
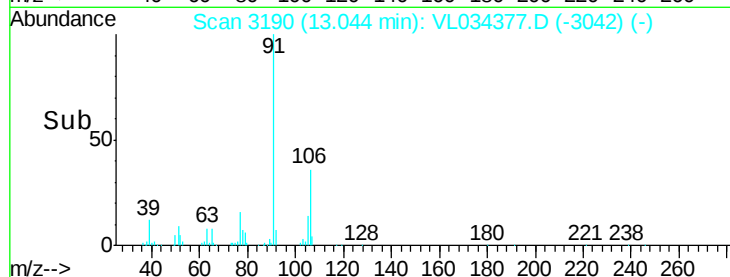
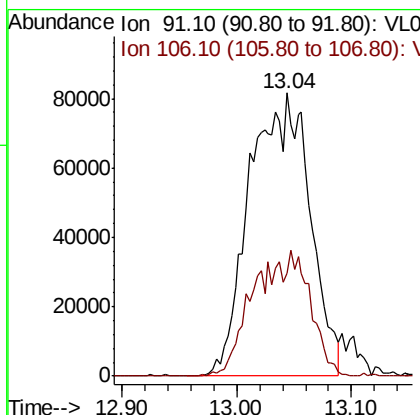
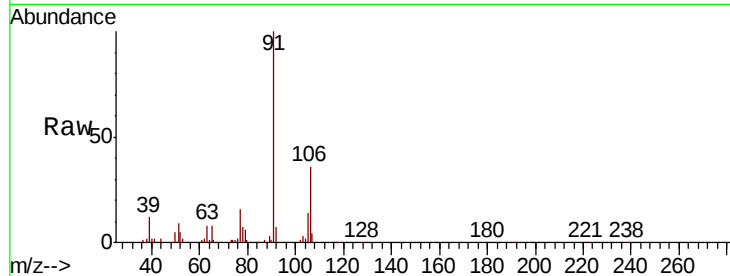
#59
m/p-Xylene
Concen: 1.183 ppbv m
RT: 13.04 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 297819
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#

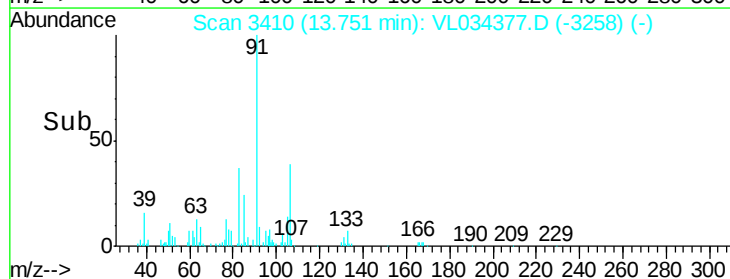
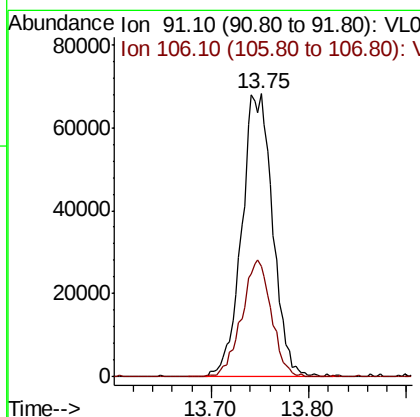
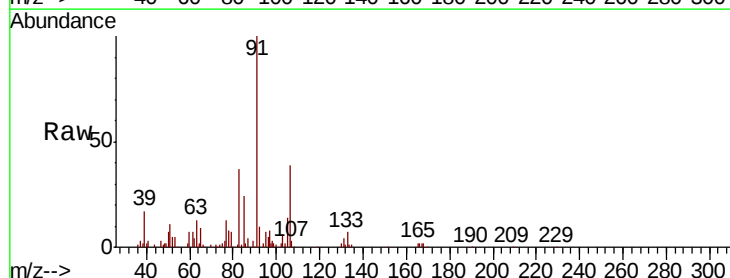
Manual Integrations
APPROVED

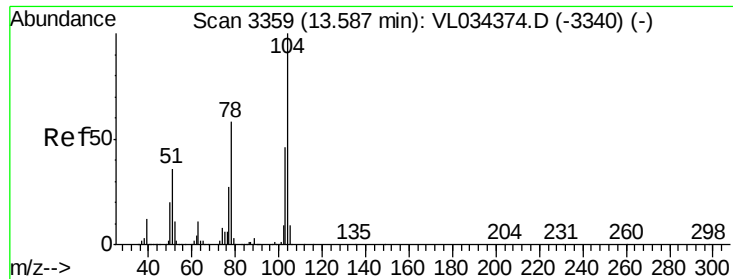
MMDadoda
11/20/2019 3:53:20 PM



#60
o-Xylene
Concen: 0.598 ppbv m
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 91 Resp: 150055
Ion Ratio Lower Upper
91 100
106 39.2 21.6 64.6





#61

Stvrene

Concen: 0.558 ppbv

RT: 13.58 min Scan# 3358

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

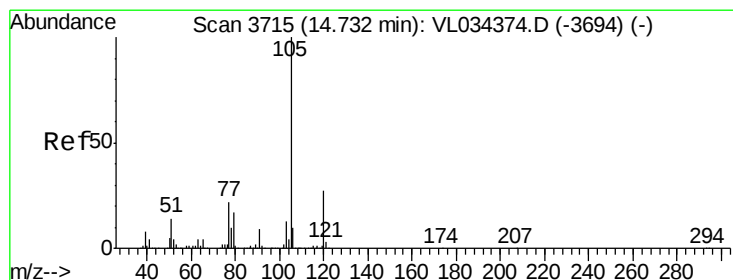
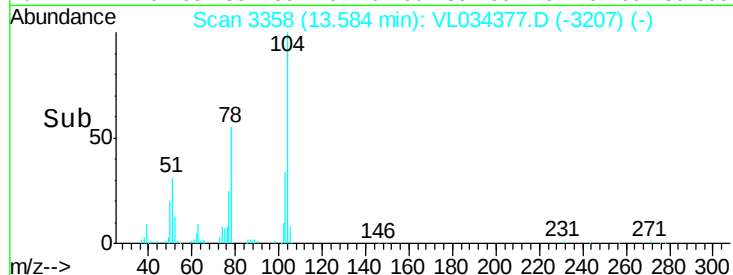
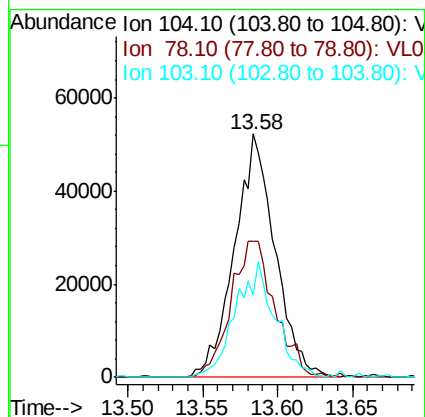
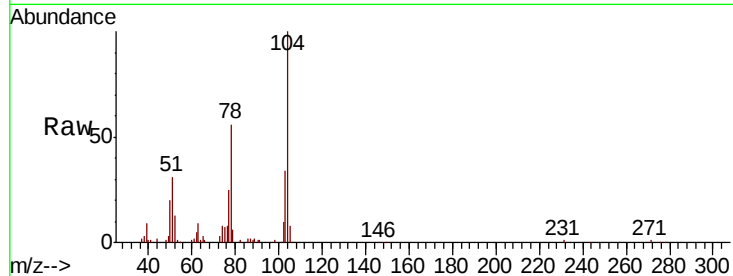
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	98578
Ion Ratio	Lower	Upper	
104	100		
78	61.0	47.8	71.8
103	46.9	39.0	58.6

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.590 ppbv

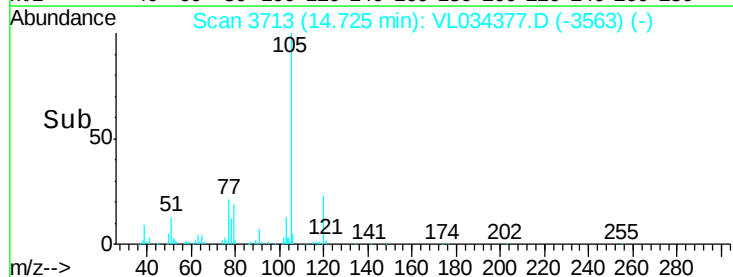
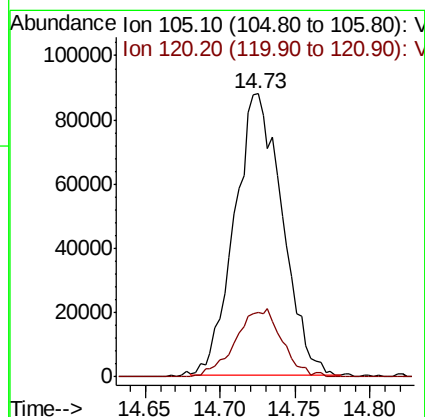
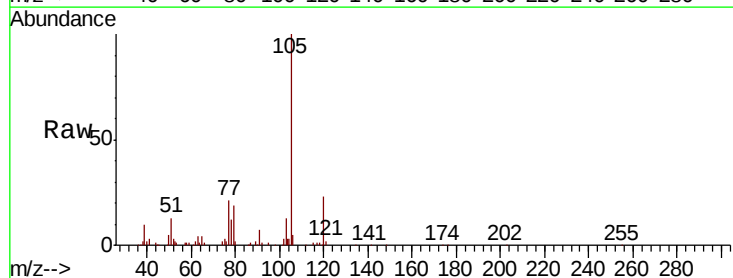
RT: 14.73 min Scan# 3713

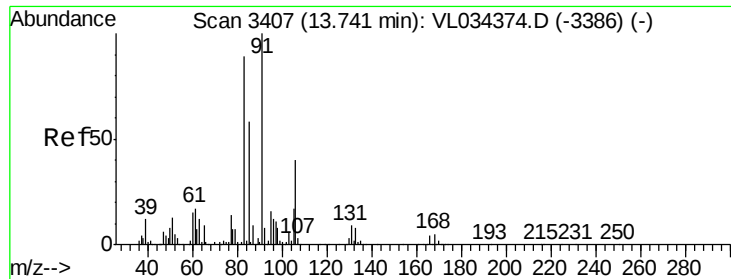
Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	105	Resp:	195393
Ion Ratio	Lower	Upper	
105	100		
120	23.5	20.8	31.2





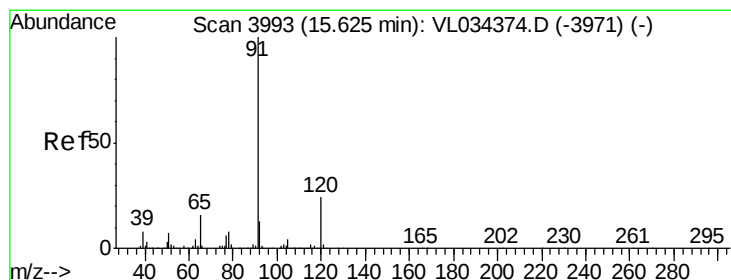
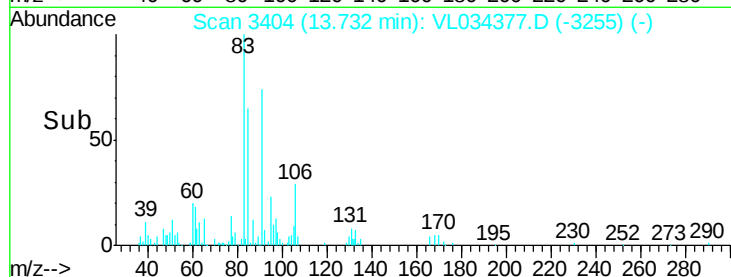
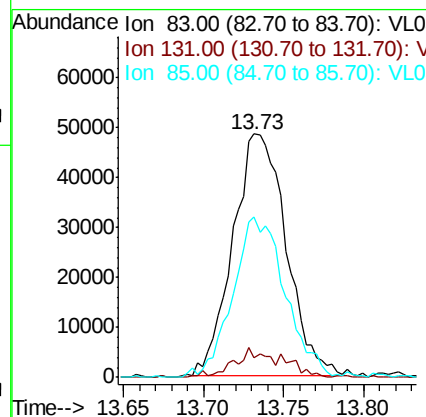
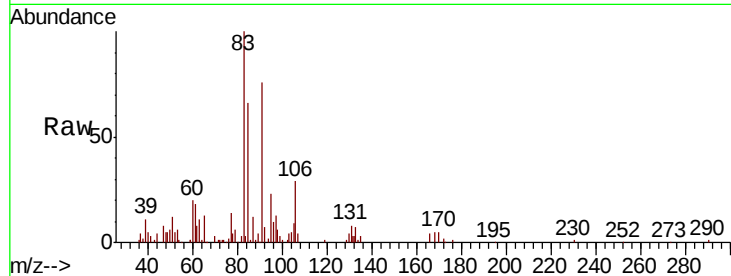
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.545 ppbv
 RT: 13.73 min Scan# 3404
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.8	14.4
85	66.3	32.5	97.4

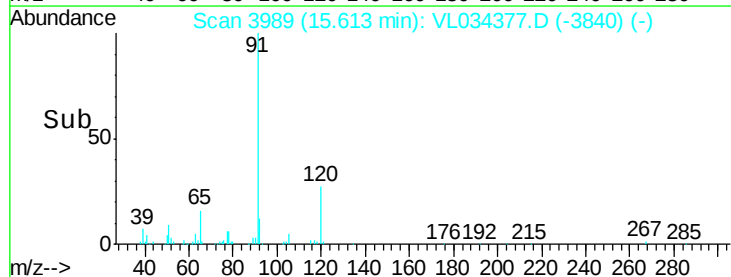
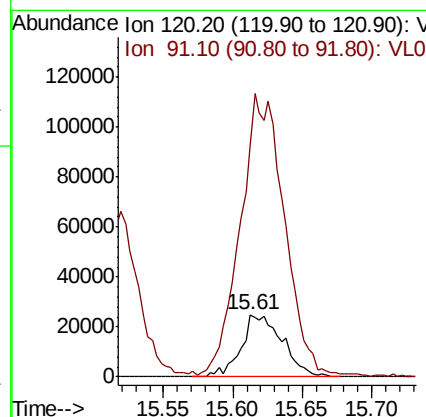
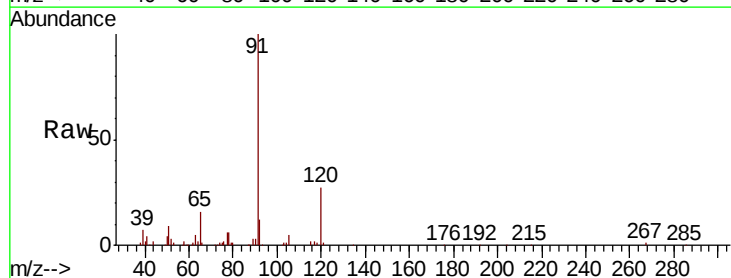
Manual Integrations
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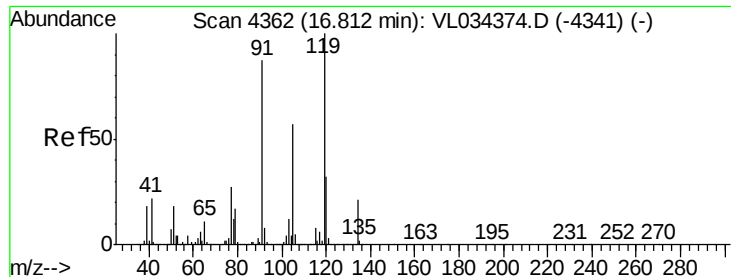
MMDadoda
 11/20/2019 3:53:20 PM



#64
 n-propylbenzene
 Concen: 0.604 ppbv m
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.02 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
120	100		
91	0.0	374.9	562.3#





#65

tert-Butylbenzene

Concen: 0.589 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

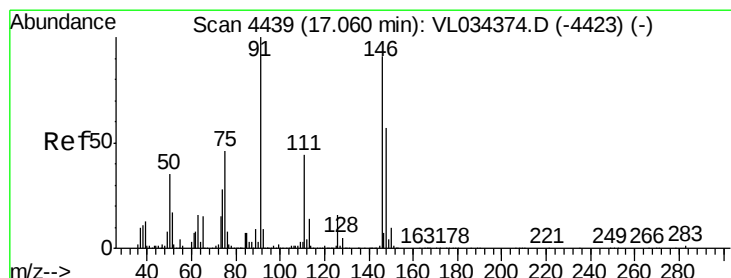
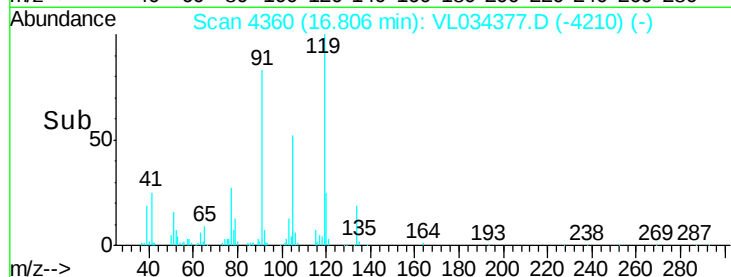
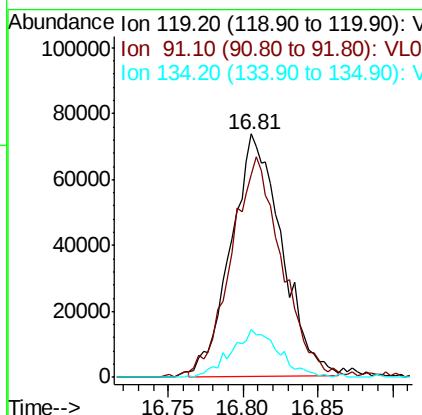
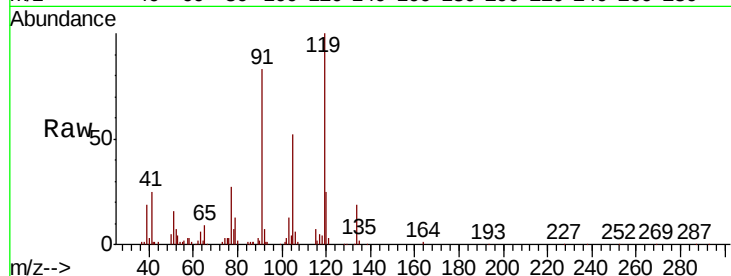
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	172796
Ion Ratio	Lower	Upper	
119	100		
91	92.3	71.4	107.0
134	18.8	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.454 ppbv m

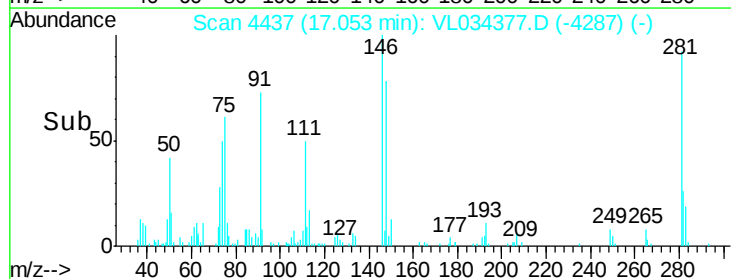
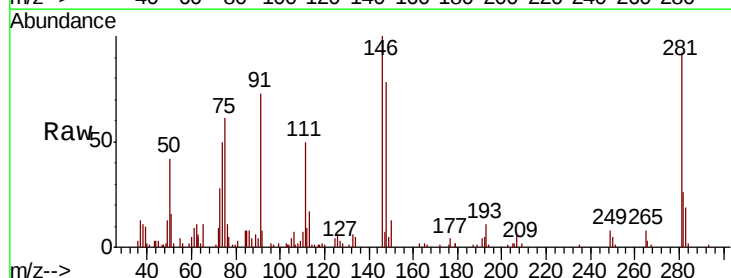
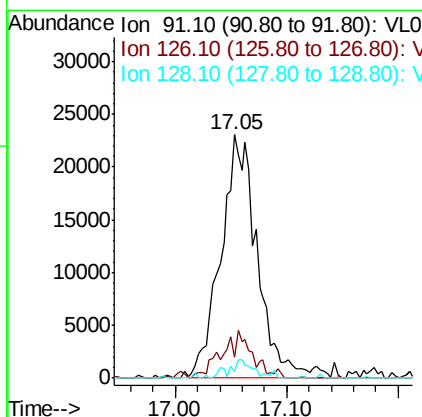
RT: 17.05 min Scan# 4437

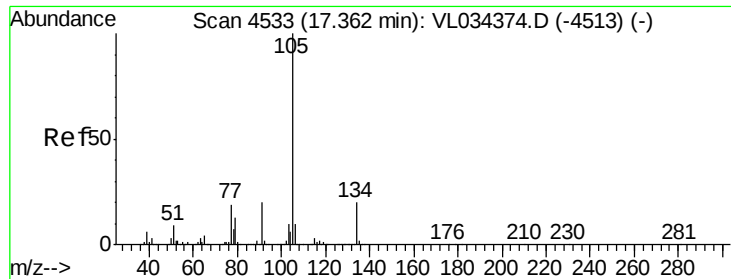
Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	91	Resp:	52665
Ion Ratio	Lower	Upper	
91	100		
126	17.0	12.9	19.3
128	0.0	4.3	6.5#





#67

sec-Butylbenzene

Concen: 0.610 ppbv m

RT: 17.36 min Scan# 4533

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 251746

Ion Ratio Lower Upper

105 100

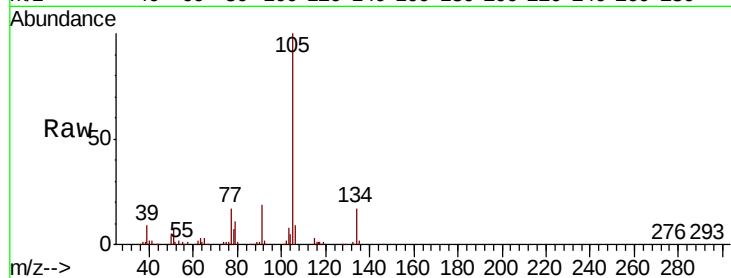
134 0.0 15.4 23.0#

Manual Integrations

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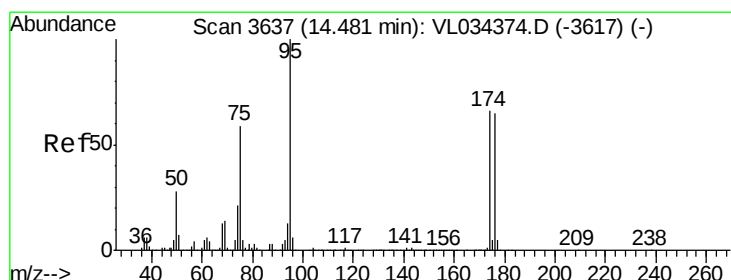
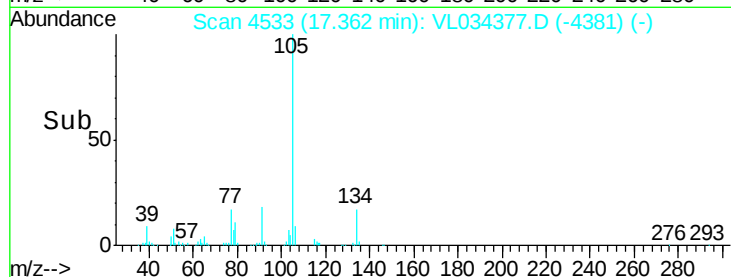
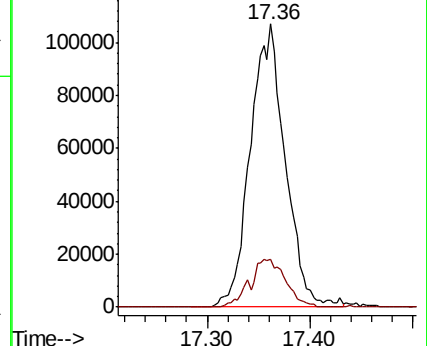
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.100 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

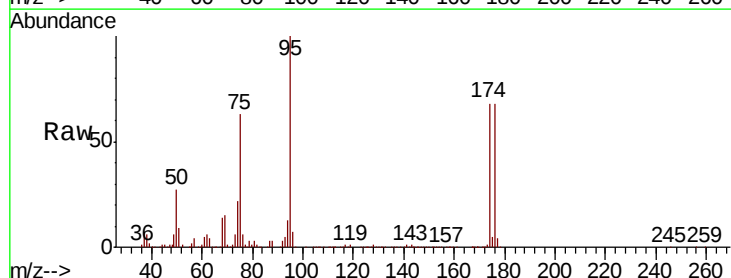
Tgt Ion: 95 Resp: 1778642

Ion Ratio Lower Upper

95 100

174 65.3 52.6 78.8

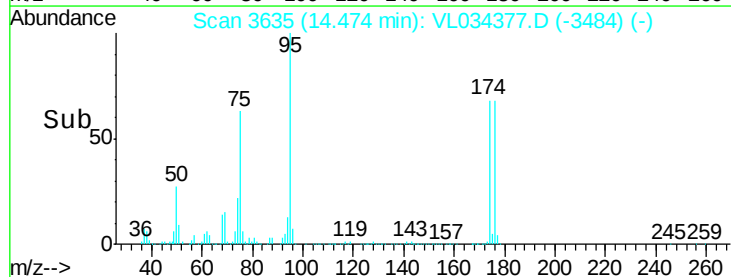
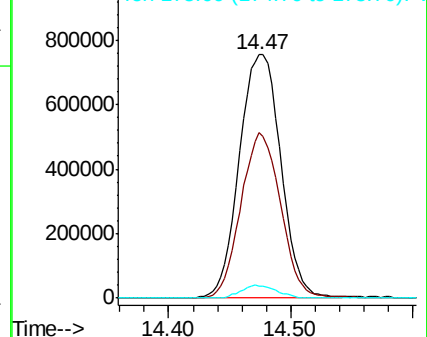
175 4.7 3.8 5.6

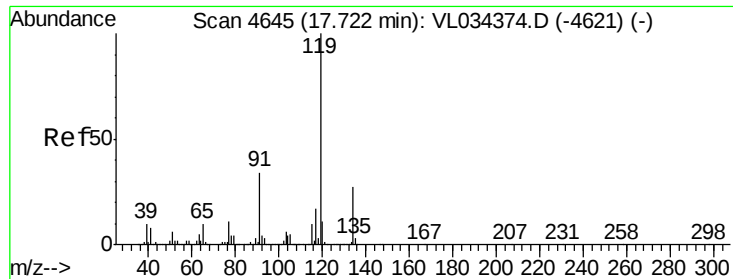


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





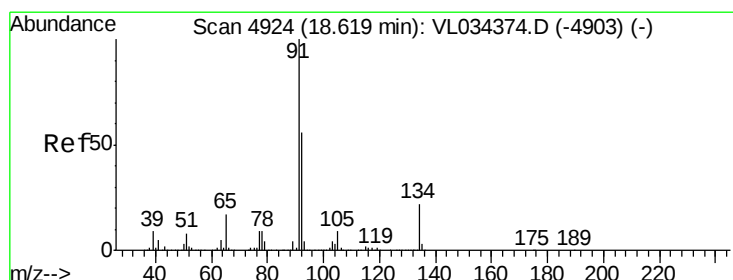
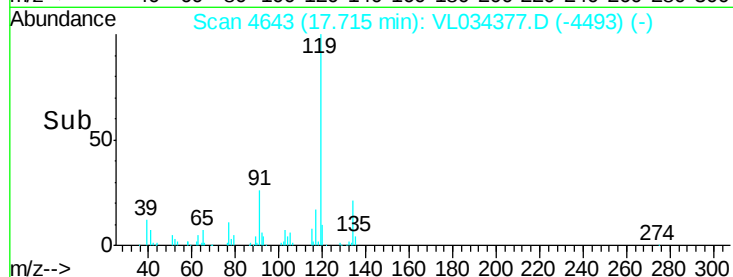
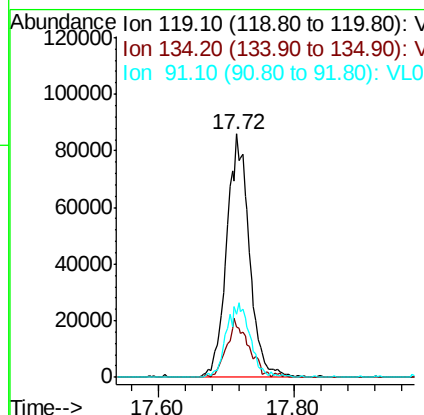
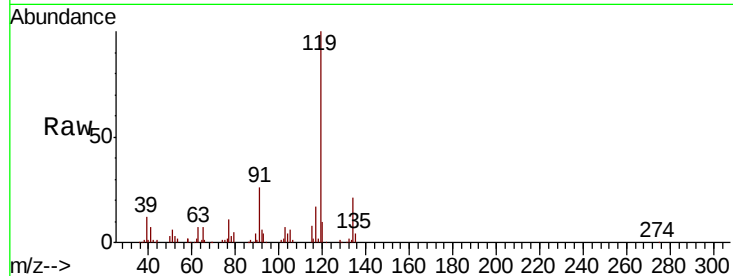
#69
p-Isopropyltoluene
Concen: 0.593 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:	119	Resp:	199774
Ion Ratio	Lower	Upper	
119	100		
134	23.1	21.3	31.9
91	32.2	26.6	39.8

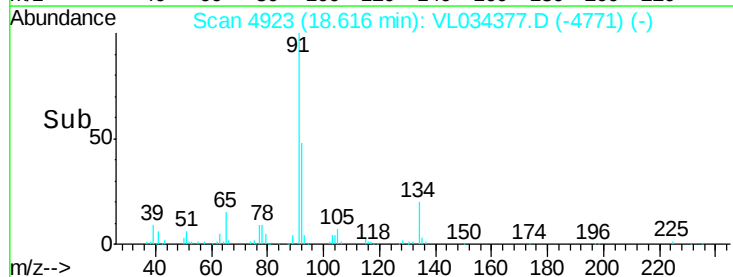
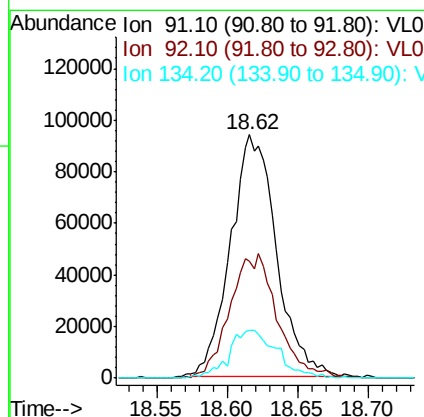
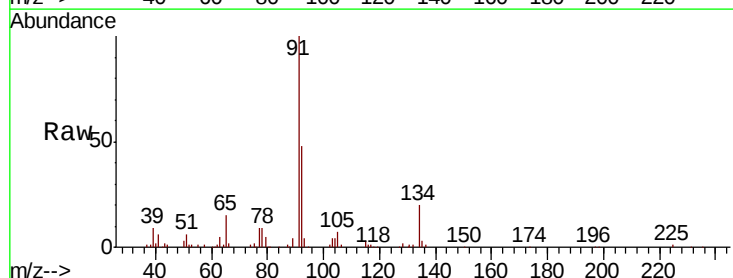
Manual Integrations
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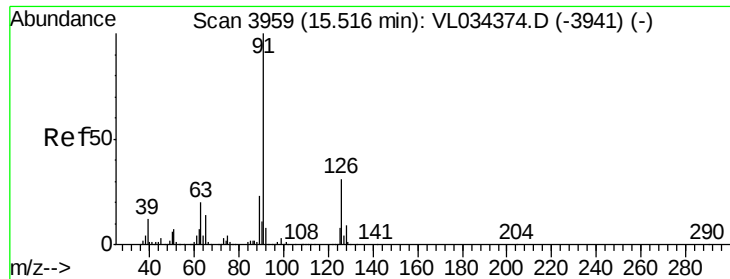
MMDadoda
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#70
n-Butylbenzene
Concen: 0.585 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.01 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion:	91	Resp:	214213
Ion Ratio	Lower	Upper	
91	100		
92	53.1	44.5	66.7
134	20.7	18.2	27.2





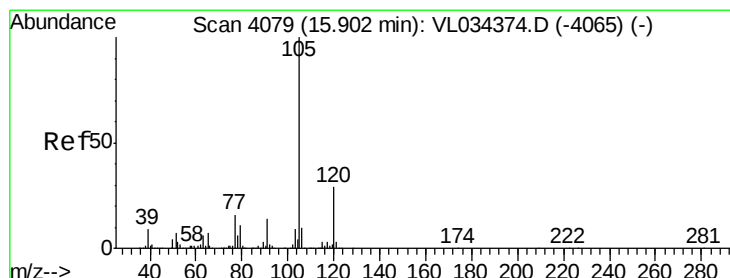
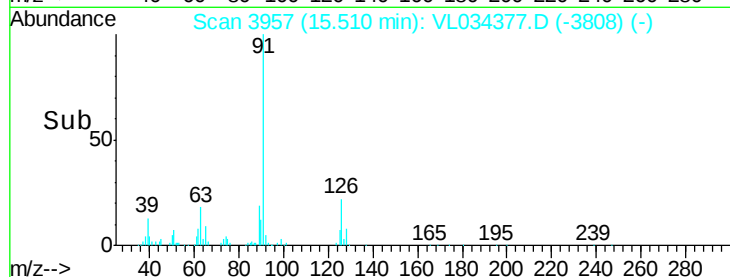
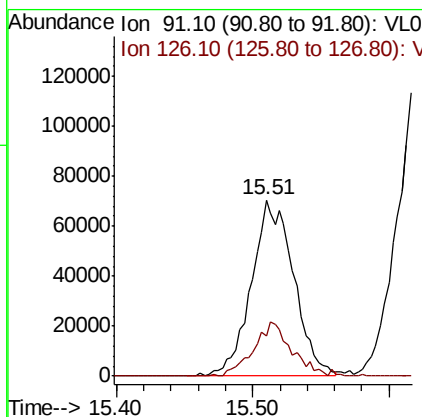
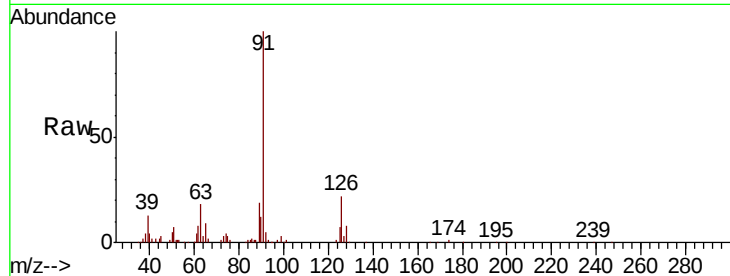
#71
2-Chlorotoluene
Concen: 0.592 ppbv m
RT: 15.51 min Scan# 3957
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 151880
Ion Ratio Lower Upper
91 100
126 0.0 11.9 47.5#

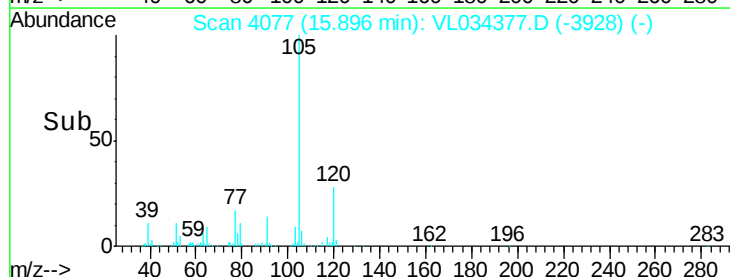
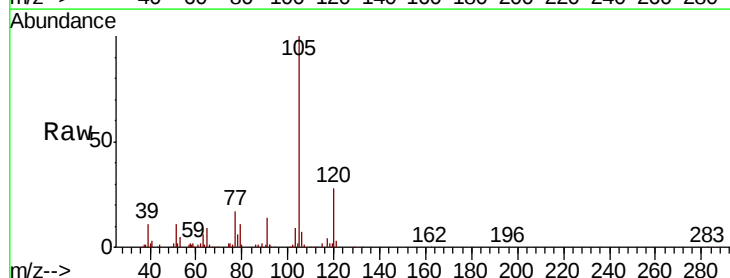
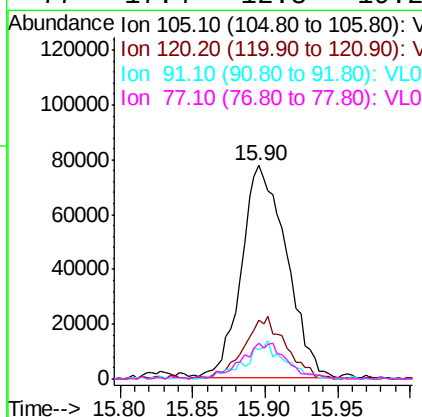
Manual Integrations
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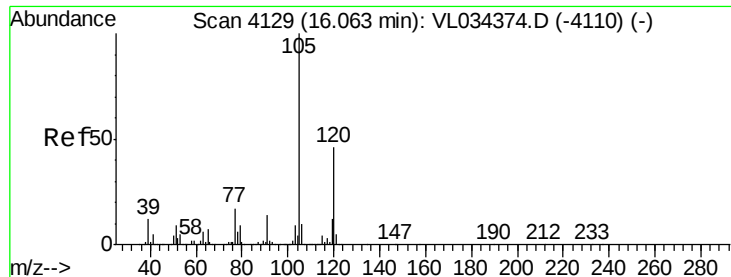
MMDadoda
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#72
4-Ethyltoluene
Concen: 0.592 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. -0.02 min
Lab File: VL034377.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 105 Resp: 166750
Ion Ratio Lower Upper
105 100
120 27.4 23.8 35.8
91 15.5 11.2 16.8
77 17.4 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 0.599 ppbv m

RT: 16.05 min Scan# 4125

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 167183

Ion Ratio Lower Upper

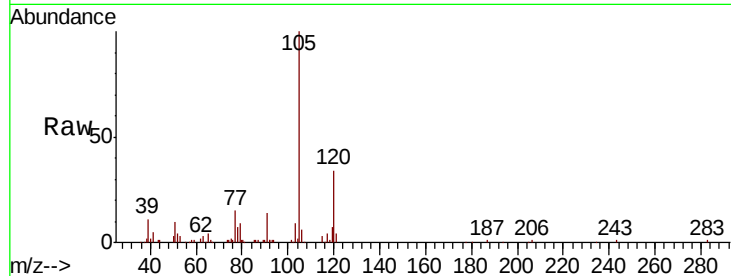
105 100

120 34.2 35.2 52.8#

Manual Integrations
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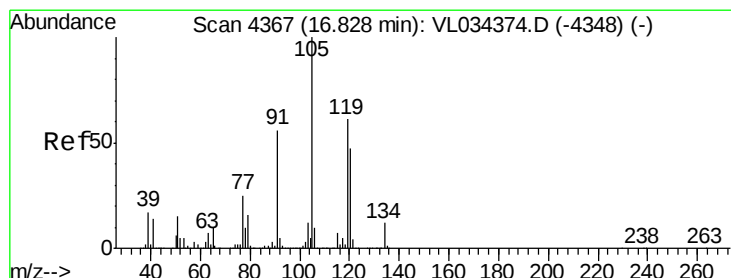
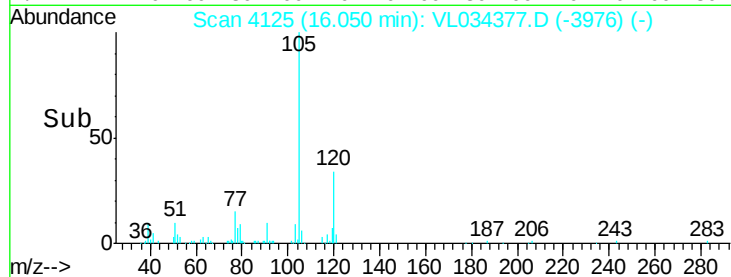
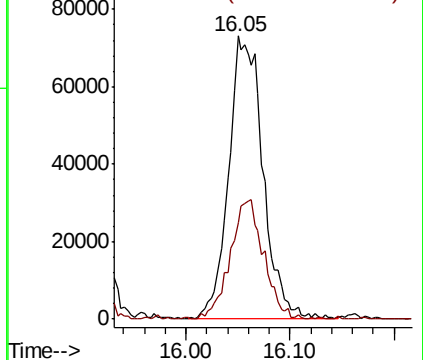
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.628 ppbv m

RT: 16.82 min Scan# 4366

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:105 Resp: 183003

Ion Ratio Lower Upper

105 100

120 41.9 37.0 55.6

91 47.5 38.2 57.2

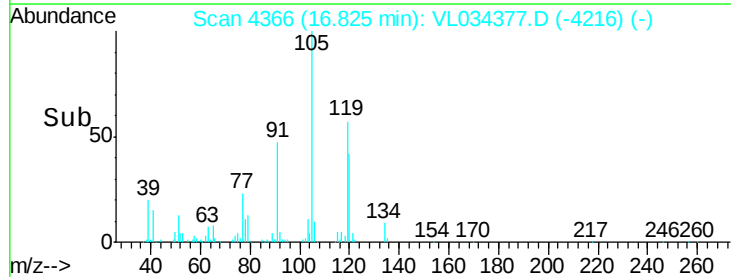
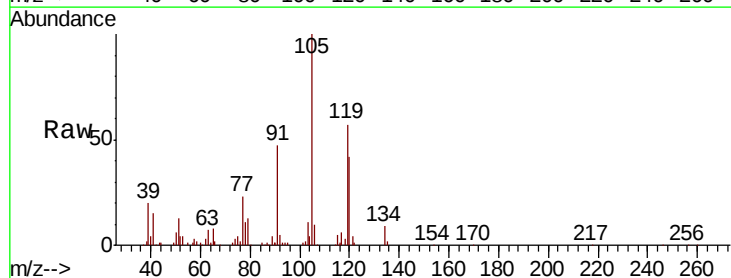
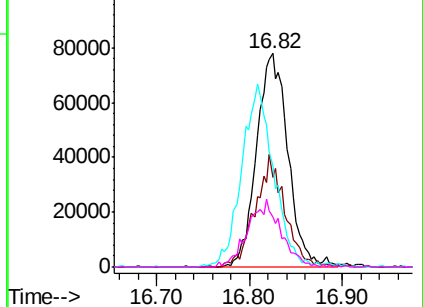
77 23.1 19.0 28.4

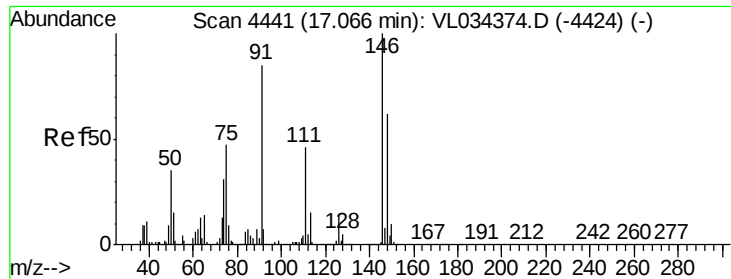
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 0.628 ppbv m

RT: 17.07 min Scan# 4442

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

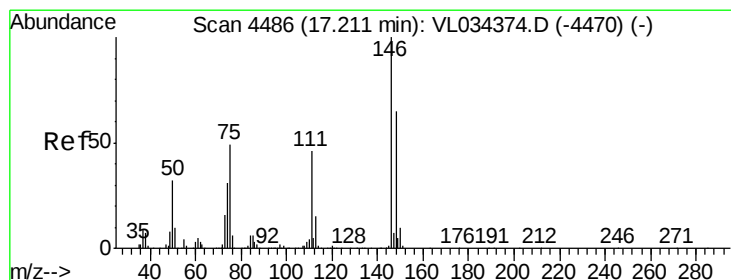
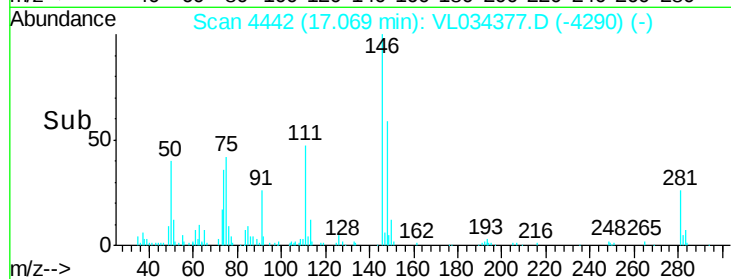
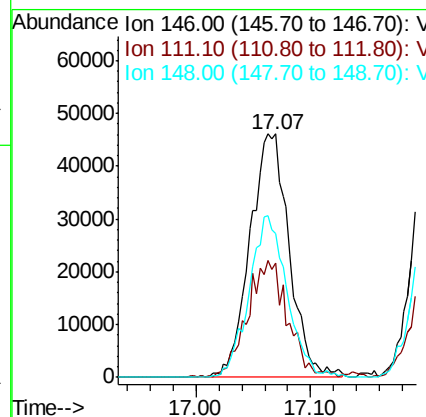
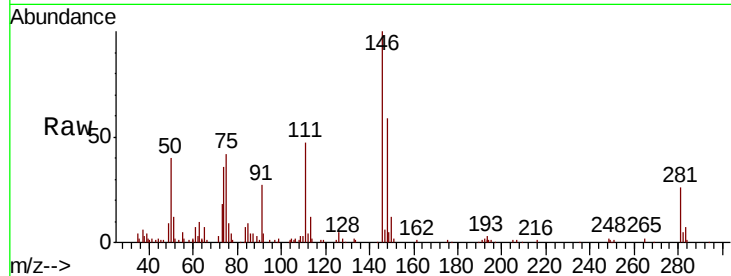
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	109794
Ion Ratio	Lower	Upper	
146	100		
111	49.4	24.5	73.5
148	64.0	32.3	96.8

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.594 ppbv m

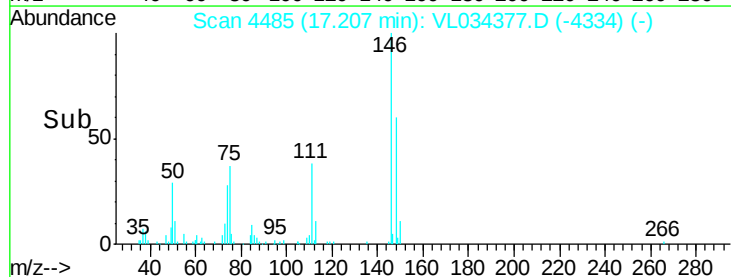
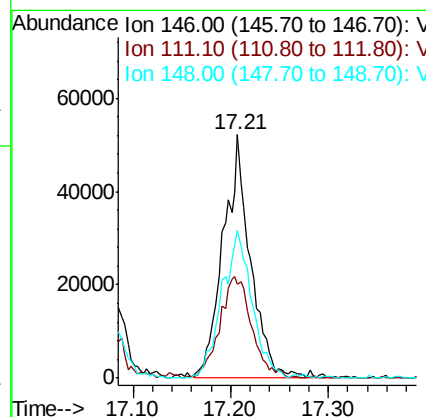
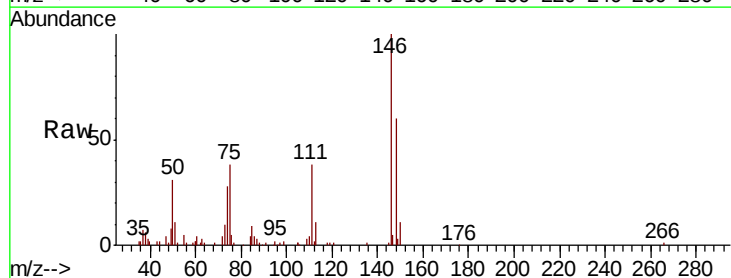
RT: 17.21 min Scan# 4485

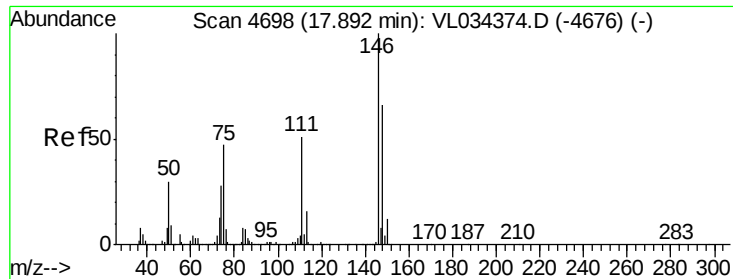
Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	146	Resp:	101534
Ion Ratio	Lower	Upper	
146	100		
111	49.2	23.9	71.7
148	67.8	33.1	99.2





#77

1,2-Dichlorobenzene

Concen: 0.587 ppbv m

RT: 17.89 min Scan# 4696

Delta R.T. -0.02 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:146 Resp: 100707
Ion Ratio Lower Upper

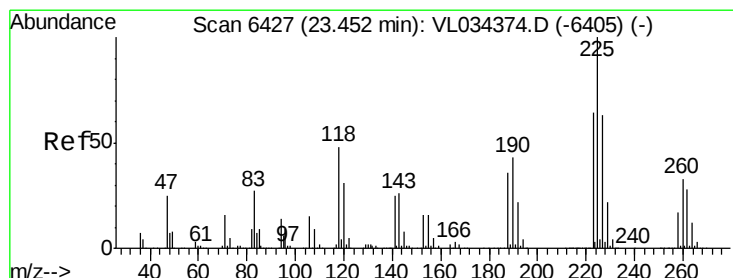
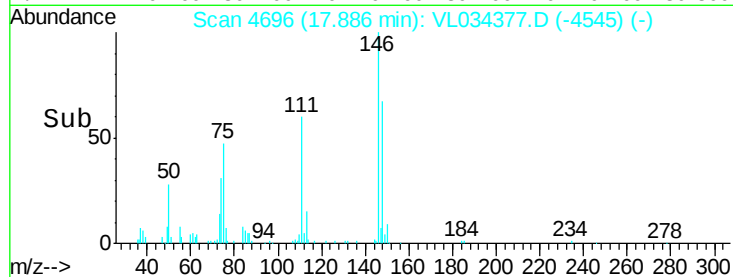
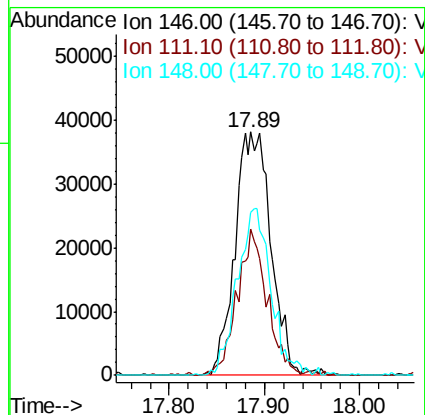
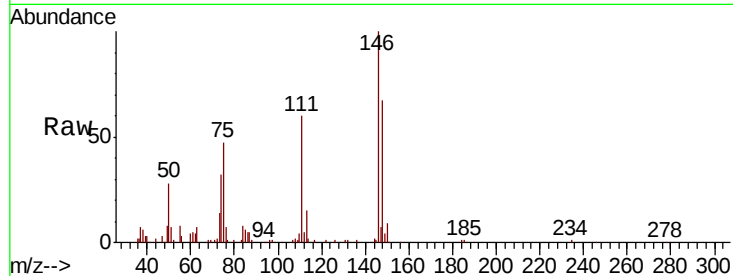
146 100

111 0.0 25.1 75.3#

148 0.0 32.3 96.8#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.615 ppbv m

RT: 23.45 min Scan# 6428

Delta R.T. -0.01 min

Lab File: VL034377.D

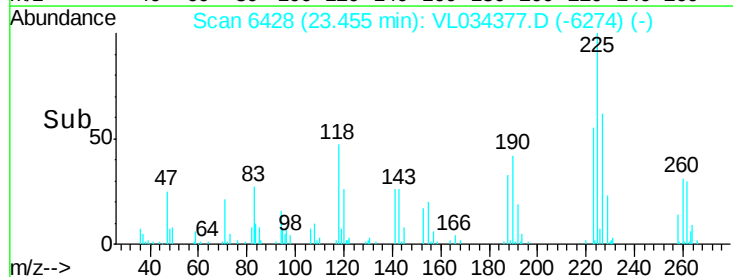
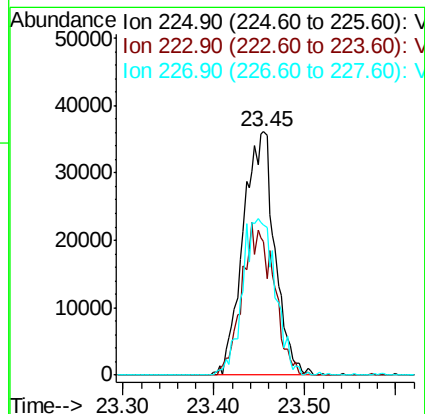
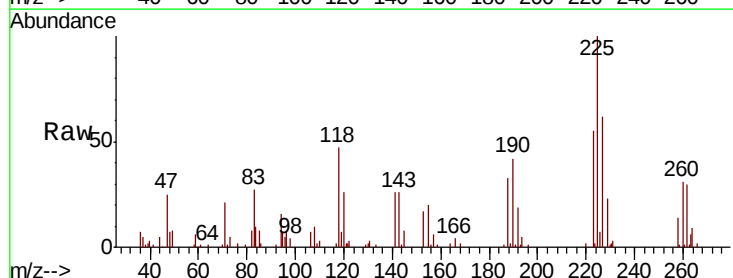
Acq: 19 Nov 2019 11:46

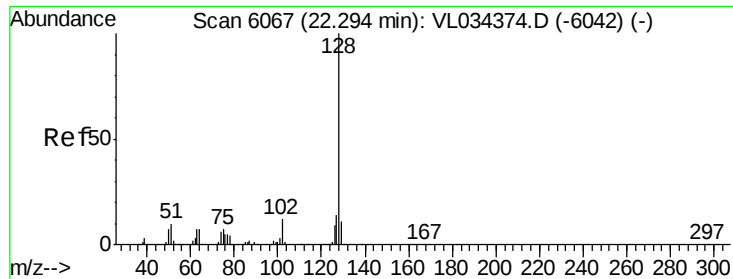
Tgt Ion:225 Resp: 87248
Ion Ratio Lower Upper

225 100

223 0.0 50.8 76.2#

227 0.0 51.5 77.3#





#79

Naphthalene

Concen: 0.685 ppbv m

RT: 22.30 min Scan# 6069

Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_L

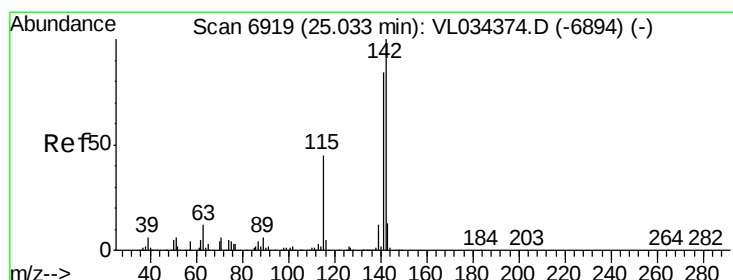
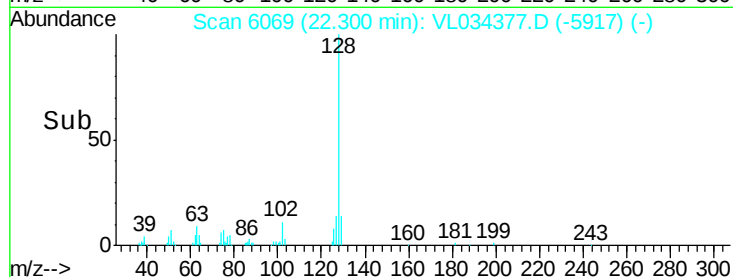
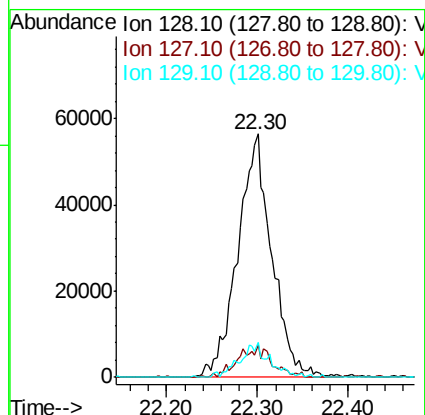
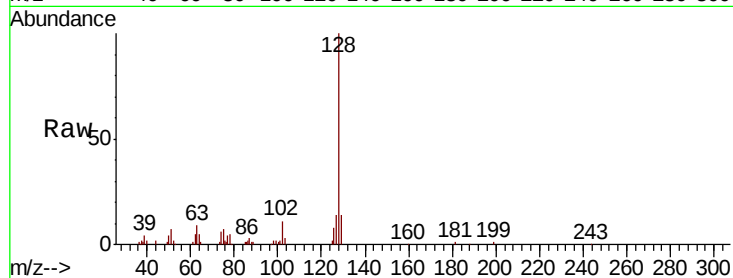
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	145796
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.2	15.4
129	14.3	8.9	13.3#

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#80

Naphthalene, 2-methyl-

Concen: 0.779 ppbv

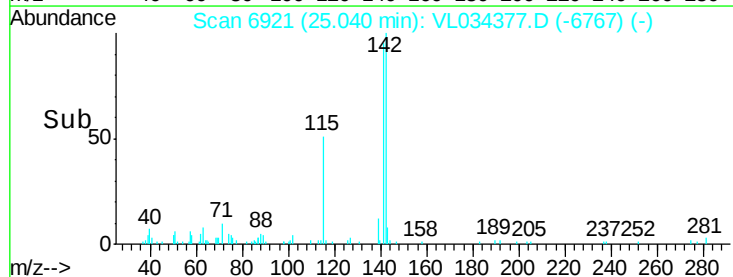
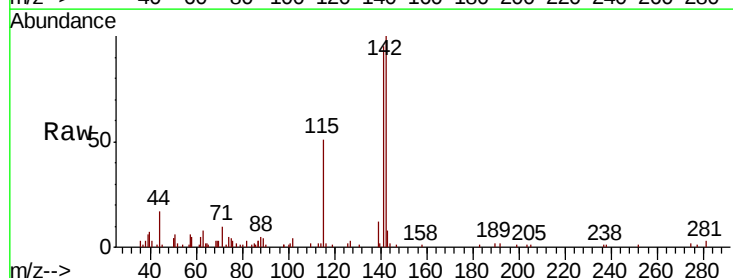
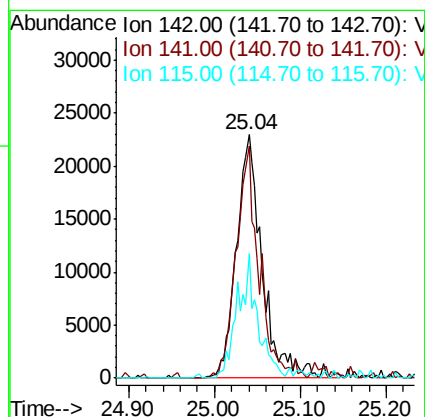
RT: 25.04 min Scan# 6921

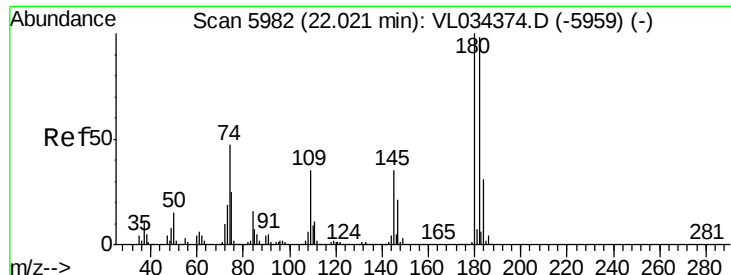
Delta R.T. -0.01 min

Lab File: VL034377.D

Acq: 19 Nov 2019 11:46

Tgt Ion:	142	Resp:	47898
Ion Ratio		Lower	Upper
142	100		
141	83.9	65.7	98.5
115	42.5	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.670 ppbv m
 RT: 22.02 min Scan# 5982
 Delta R.T. -0.01 min
 Lab File: VL034377.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.8	116.8#
184	33.0	25.4	38.2

Manual Integrations
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