

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL033989.D
 Acq On : 2 Jul 2019 13:40
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:26 PM

Quant Time: Jul 02 16:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1134196	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2912923	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	3038174m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	3010246	12.06	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	120.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1976886	10.742	ppbv	99
3) Chlorodifluoromethane	3.00	51	1292000	9.676	ppbv	98
4) Chloromethane	3.16	50	731011	9.598	ppbv	95
5) Vinyl Chloride	3.27	62	801439	11.341	ppbv	98
6) Bromomethane	3.50	94	512355	10.913	ppbv	95
7) Chloroethane	3.58	64	308139	11.026	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2081037	10.580	ppbv	98
9) Propene	3.02	41	485539	9.718	ppbv	99
10) Heptane	8.22	43	1396514	11.059	ppbv	95
11) Trichlorofluoromethane	3.99	101	2278219	9.594	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1614826	10.062	ppbv	99
13) Ethanol	3.63	45	133441	8.209	ppbv	96
14) Bromoethene	3.77	108	685418	11.461	ppbv	99
15) Acetone	3.88	43	1536033	9.286	ppbv	100
16) 1,3-Butadiene	3.35	39	667218	10.597	ppbv	96
17) tert-Butyl alcohol	4.34	59	1440190	11.137	ppbv	99
18) 1,1-Dichloroethene	4.33	96	754277	11.127	ppbv	95
19) Isopropyl Alcohol	4.00	45	1141423	12.079	ppbv	100
20) Methylene Chloride	4.39	84	656540	10.178	ppbv	98
21) Allyl Chloride	4.46	41	1099977	11.706	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	768961	10.761	ppbv	97
23) Vinyl Acetate	5.13	43	2025087	10.532	ppbv	98
24) 1,1-Dichloroethane	5.07	63	1615539	10.803	ppbv	100
25) Ethyl Acetate	5.74	43	2596774	10.308	ppbv	99
26) Hexane	5.75	57	1177515	10.266	ppbv	97
27) Carbon Disulfide	4.60	76	1953689	12.260	ppbv	96
28) Methyl tert-Butyl Ether	5.09	73	2114278	12.190	ppbv	99
29) Chloroform	5.82	83	2077669	10.576	ppbv	100
30) Cyclohexane	7.22	84	982930	12.129	ppbv	97
31) cis-1,2-Dichloroethene	5.62	61	1239868	12.327	ppbv	99
32) 1,1,1-Trichloroethane	6.59	97	2100313	11.084	ppbv	98
34) 2-Butanone	5.31	43	1579008	9.609	ppbv	95
35) Carbon Tetrachloride	7.11	117	2227905	9.899	ppbv	99
36) Benzene	6.98	78	2437748	10.956	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1652806	10.044	ppbv	98
38) Trichloroethene	7.93	130	1071793	12.371	ppbv	96
39) 1,2-Dichloropropane	7.71	63	883557	10.288	ppbv	97
40) 1,4-Dioxane	7.93	88	386436	11.033	ppbv #	1
41) Tetrahydrofuran	6.12	42	842428	10.100	ppbv	90
42) Bromodichloromethane	7.89	83	2275770	10.348	ppbv	98
43) Methyl Methacrylate	8.11	69	979905	11.775	ppbv	95

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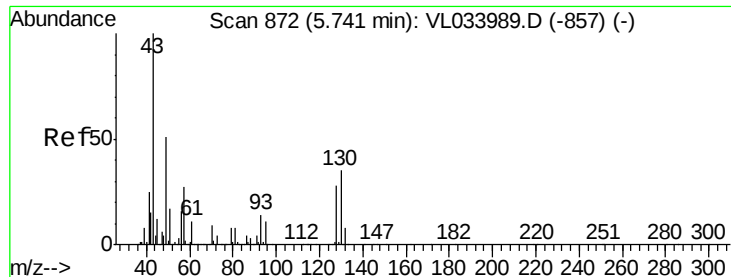
Manual Integrations
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Quant Time: Jul 02 16:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	4084404	10.322	ppbv	100
45) t-1,3-Dichloropropene	9.38	75	1390715	12.736	ppbv	97
46) cis-1,3-Dichloropropene	8.81	75	1539311	12.304	ppbv	100
47) 1,1,2-Trichloroethane	9.59	97	1069942	10.451	ppbv	99
48) Dibromochloromethane	10.42	129	1993785	10.837	ppbv	99
49) Bromoform	13.17	173	1825285	11.238	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	2432923	9.928	ppbv	96
51) 2-Hexanone	10.24	43	1994424	10.423	ppbv	95
52) Tetrachloroethene	11.34	164	1032574	13.188	ppbv	95
53) Toluene	9.91	91	2996276	12.168	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1661328	10.765	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.25	131	1308672	9.860	ppbv	99
57) Chlorobenzene	12.27	112	2297580	10.097	ppbv	98
58) Ethyl Benzene	12.83	91	4034934	11.780	ppbv	99
59) m/p-Xylene	13.12	91	6785591m	21.784	ppbv	
60) o-Xylene	13.82	91	3352791	10.425	ppbv	99
61) Styrene	13.65	104	2528650	12.150	ppbv	99
62) Isopropylbenzene	14.79	105	6017573	13.882	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	2349070	9.703	ppbv	98
64) n-propylbenzene	15.69	120	1566880	14.116	ppbv	100
65) tert-Butylbenzene	16.87	119	5463716	13.623	ppbv	99
66) Benzyl Chloride	17.12	91	3094781	15.226	ppbv	100
67) sec-Butylbenzene	17.43	105	7518331	13.362	ppbv	100
69) p-Isopropyltoluene	17.78	119	6252804	13.356	ppbv	100
70) n-Butylbenzene	18.68	91	6523775	12.723	ppbv	99
71) 2-Chlorotoluene	15.58	91	4612311	14.443	ppbv	99
72) 4-Ethyltoluene	15.97	105	5190529	14.183	ppbv	99
73) 1,3,5-Trimethylbenzene	16.12	105	5076509	14.082	ppbv	99
74) 1,2,4-Trimethylbenzene	16.89	105	5329208	12.826	ppbv	98
75) 1,3-Dichlorobenzene	17.14	146	3184850	12.240	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	3091337	12.939	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	3003404	12.508	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2237526	11.930	ppbv	99
79) Naphthalene	22.37	128	4758556	14.328	ppbv	98
80) Naphthalene, 2-methyl-	25.09	142	1629060	12.294	ppbv	97
81) 1,2,4-Trichlorobenzene	22.10	180	2849162	13.588	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1134196

Ion Ratio Lower Upper

49 100

128 55.7 25.5 76.5

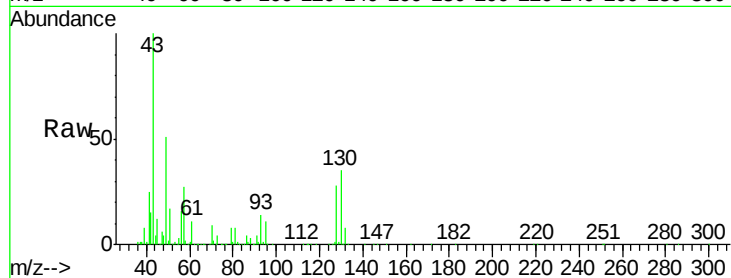
130 71.6 32.5 97.4

Manual Integrations

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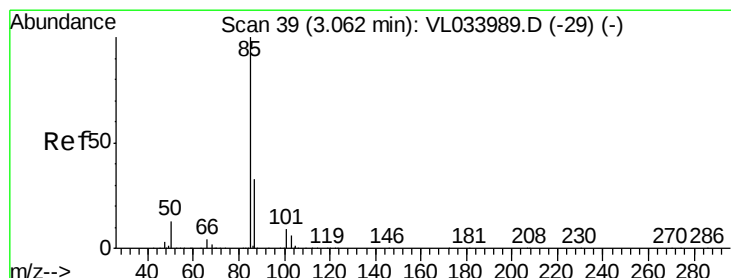
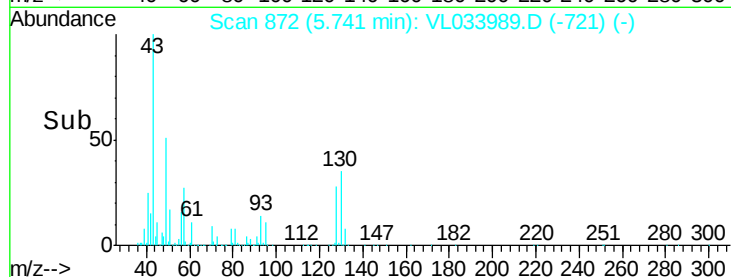
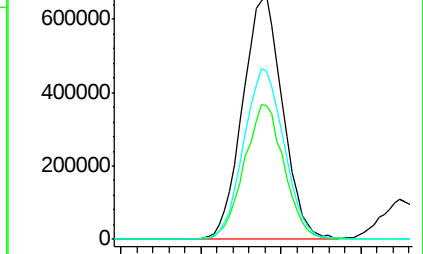
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.742 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL033989.D

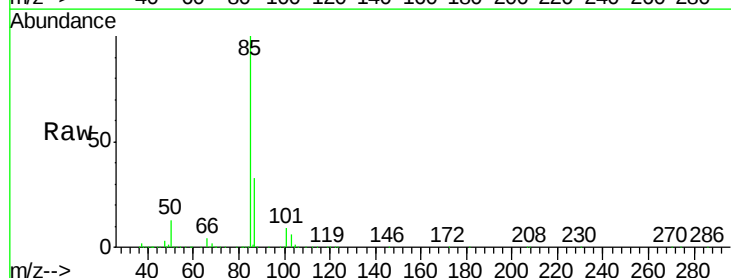
Acq: 2 Jul 2019 13:40

Tgt Ion: 85 Resp: 1976886

Ion Ratio Lower Upper

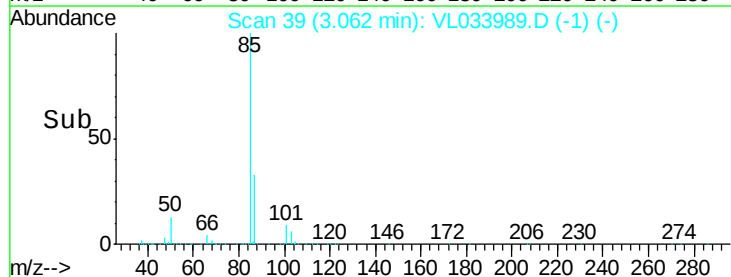
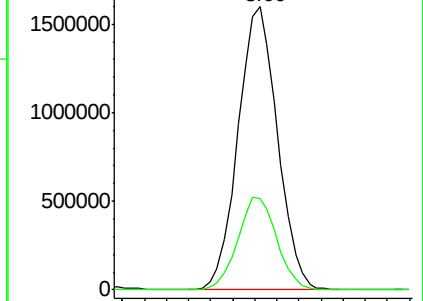
85 100

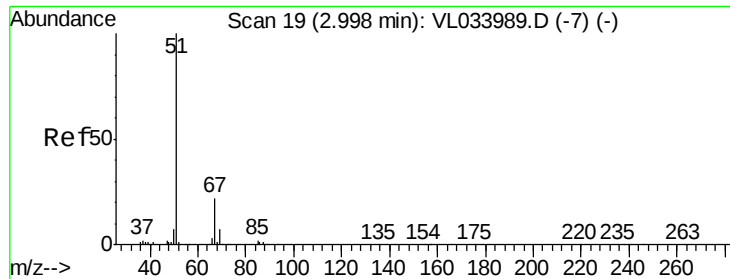
87 32.5 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.676 ppbv

RT: 3.00 min Scan# 19

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Tot Ion: 51 Resp: 1292000

Ion Ratio Lower Upper

51 100

67 21.6 16.4 24.6

Instrument :

MSVOA_L

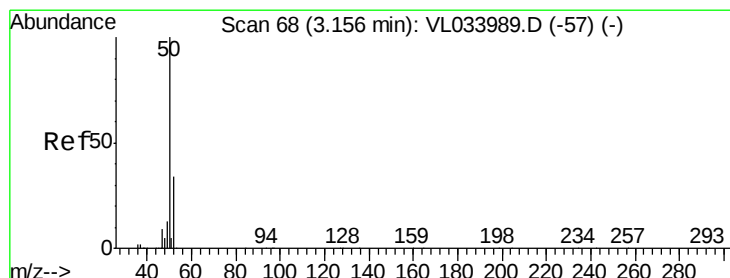
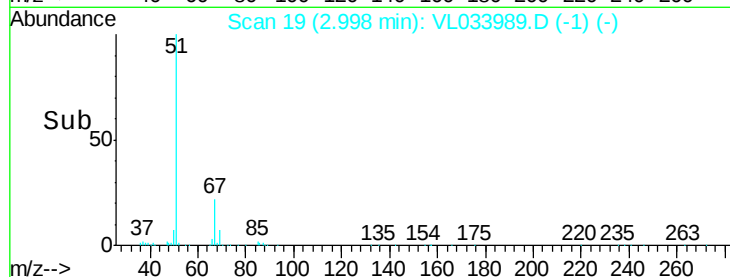
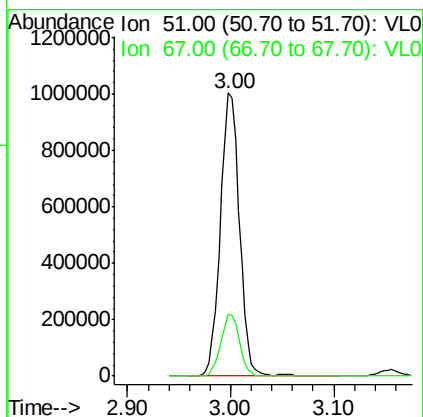
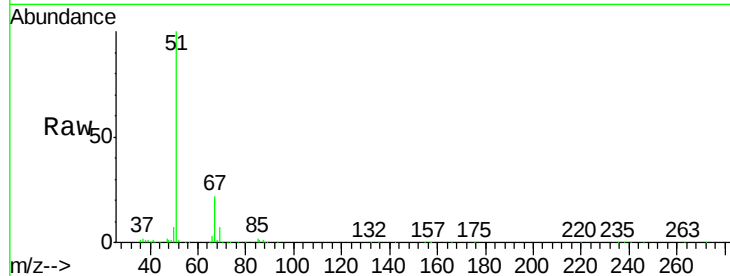
ClientSampleId :

VSTDICCC010

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#4

Chloromethane

Concen: 9.598 ppbv

RT: 3.16 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL033989.D

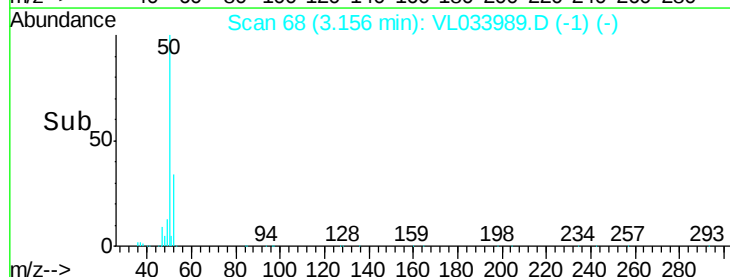
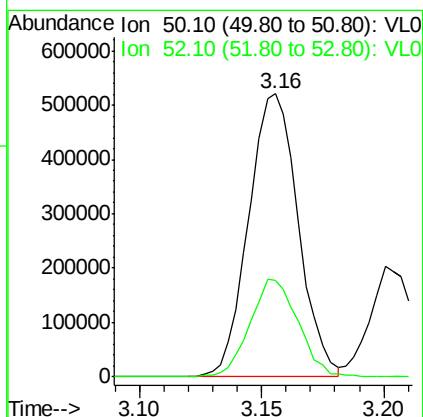
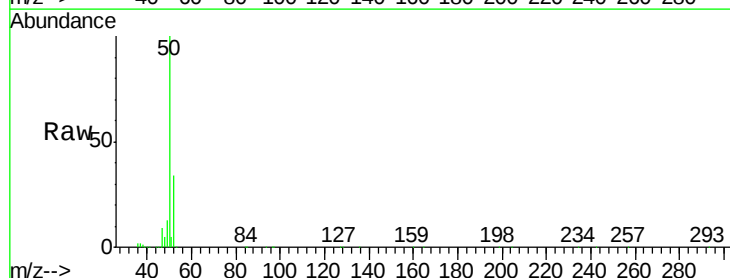
Acq: 2 Jul 2019 13:40

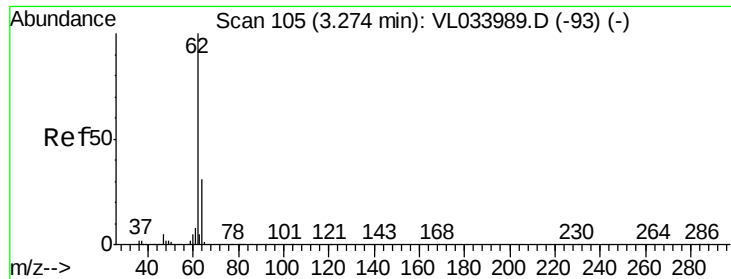
Tgt Ion: 50 Resp: 731011

Ion Ratio Lower Upper

50 100

52 34.2 25.4 38.0





#5

Vinyl Chloride

Concen: 11.341 ppbv

RT: 3.27 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 801439

Ion Ratio Lower Upper

62 100

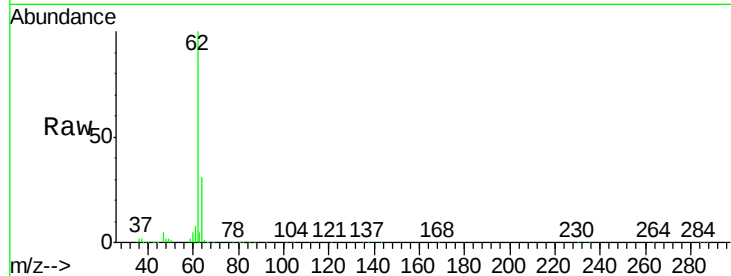
64 30.5 25.2 37.8

Manual Integrations

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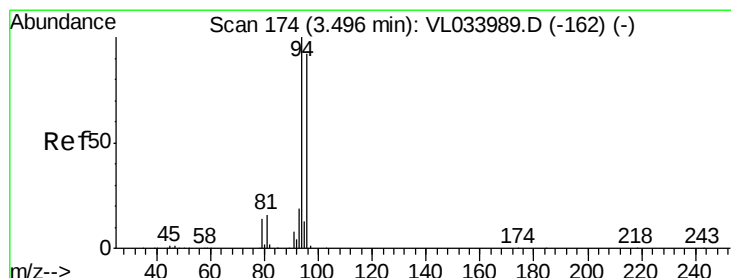
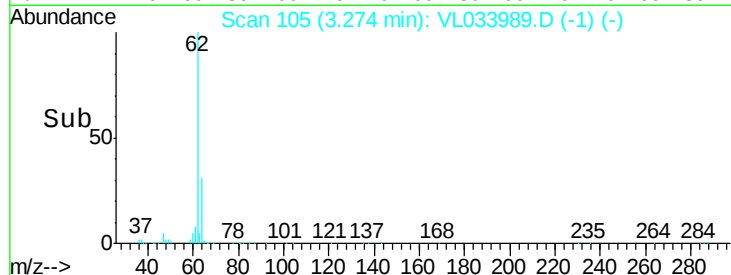
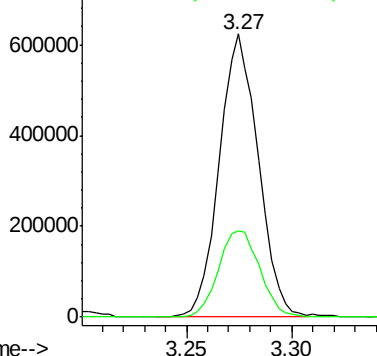
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.913 ppbv

RT: 3.50 min Scan# 174

Delta R.T. -0.01 min

Lab File: VL033989.D

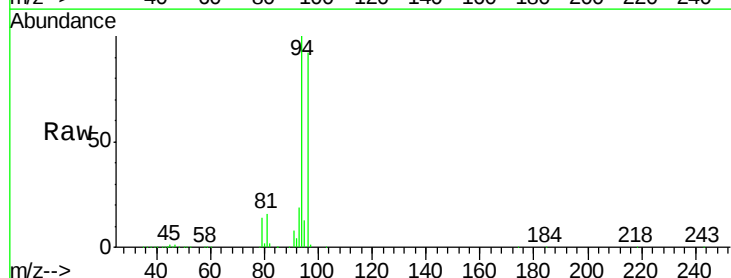
Acq: 2 Jul 2019 13:40

Tgt Ion: 94 Resp: 512355

Ion Ratio Lower Upper

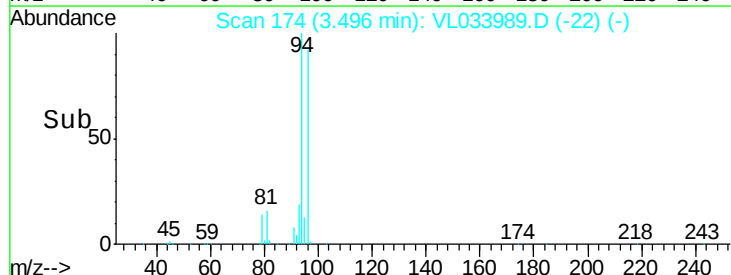
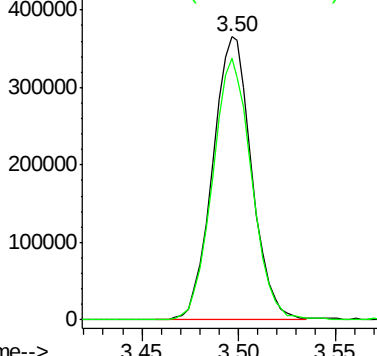
94 100

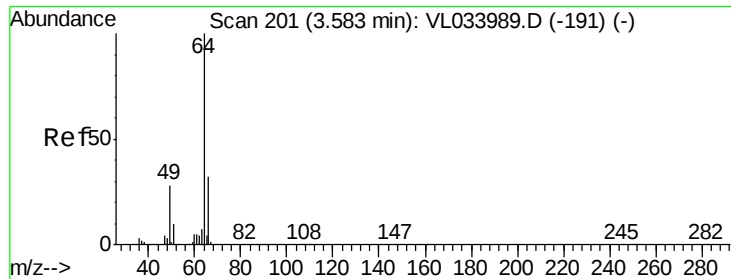
96 92.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.026 ppbv

RT: 3.58 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 308139

Ion Ratio Lower Upper

64 100

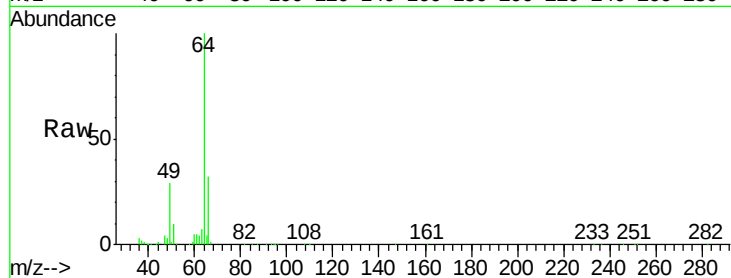
66 31.6 26.7 40.1

Manual Integrations

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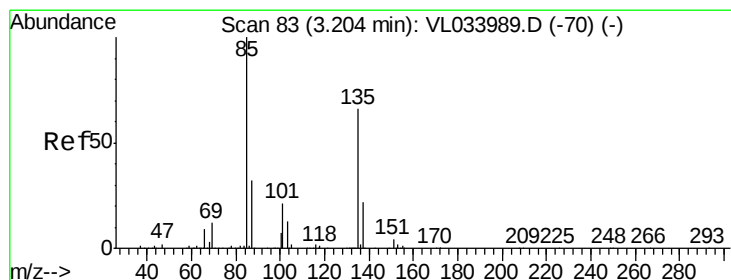
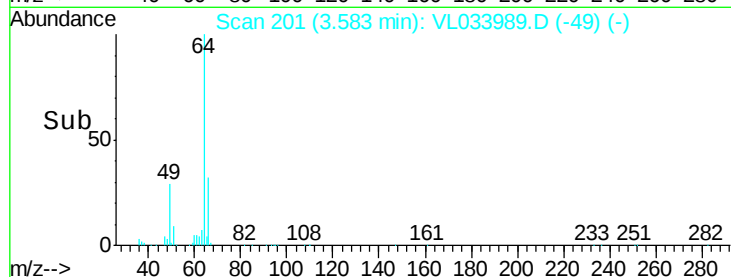
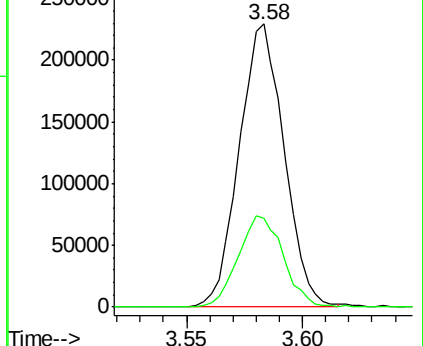
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.580 ppbv

RT: 3.20 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL033989.D

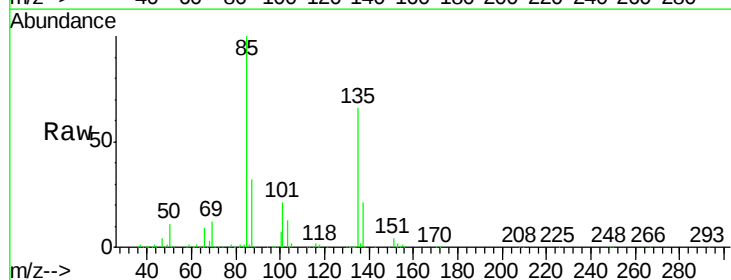
Acq: 2 Jul 2019 13:40

Tgt Ion: 85 Resp: 2081037

Ion Ratio Lower Upper

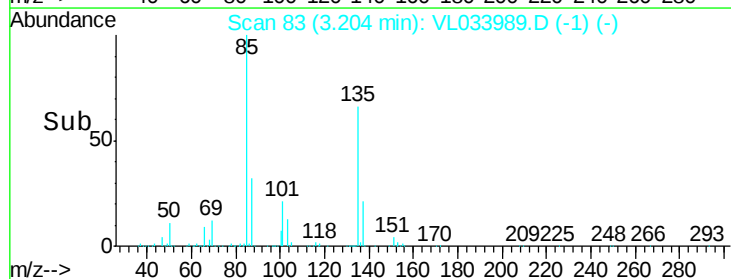
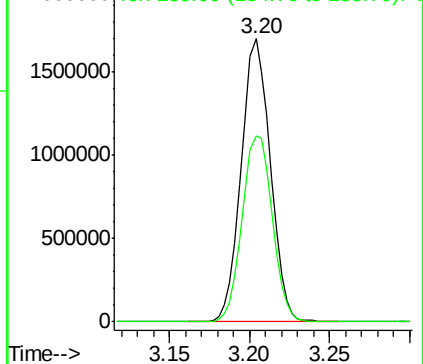
85 100

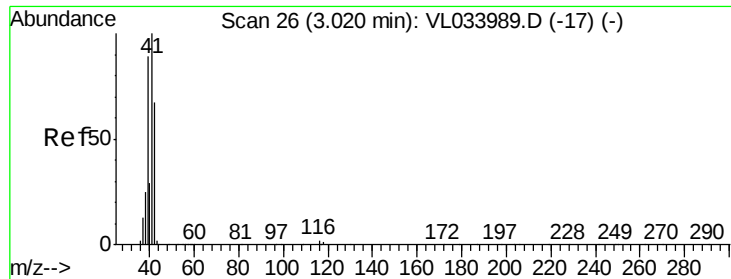
135 68.7 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.718 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 485539

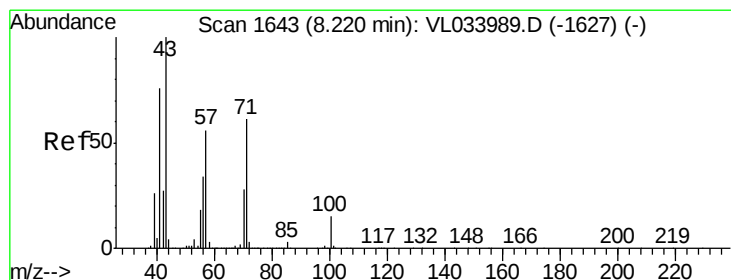
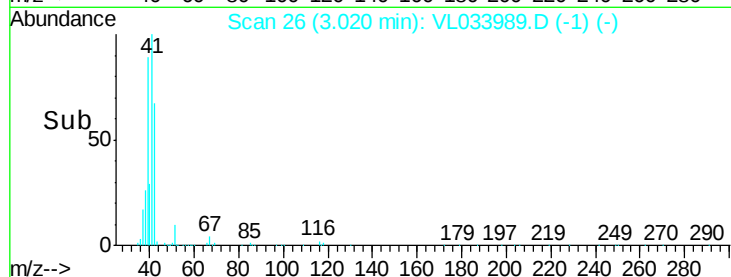
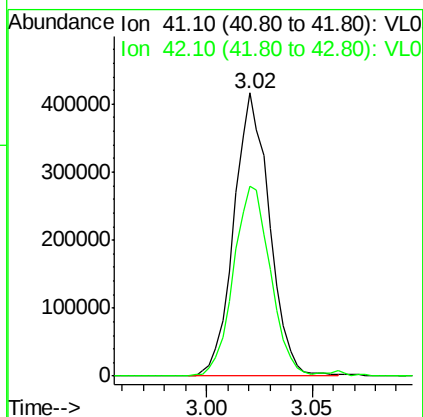
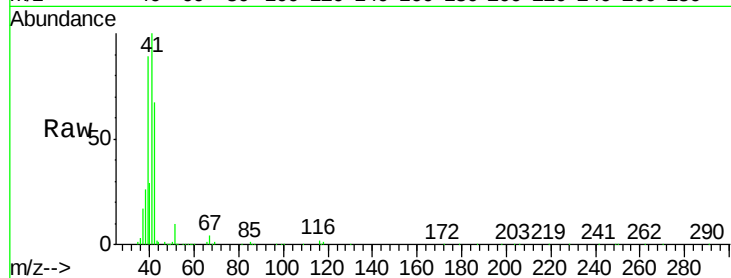
Ion Ratio Lower Upper

41 100

42 71.4 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 11.059 ppbv

RT: 8.22 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VL033989.D

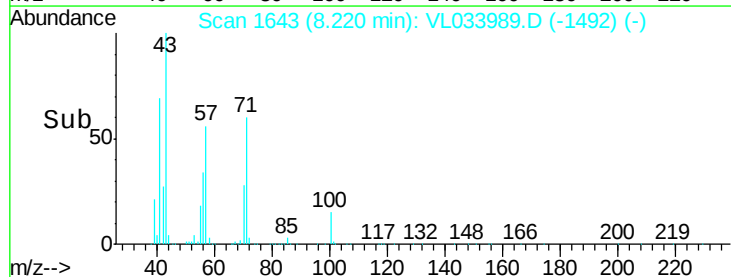
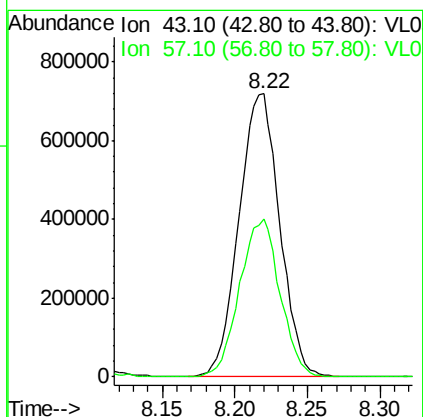
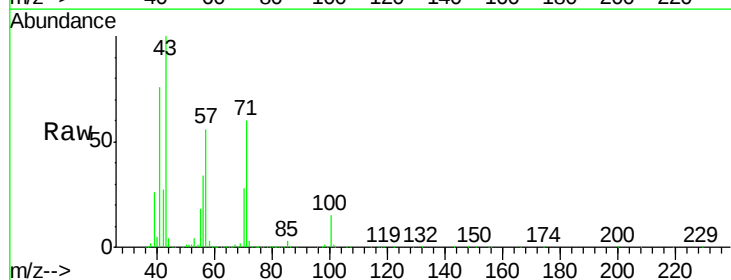
Acq: 2 Jul 2019 13:40

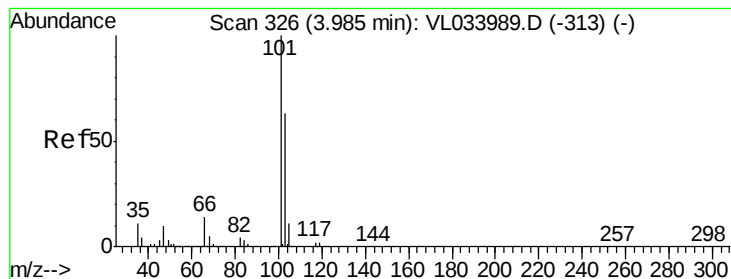
Tgt Ion: 43 Resp: 1396514

Ion Ratio Lower Upper

43 100

57 55.7 41.7 62.5





#11

Trichlorofluoromethane

Concen: 9.594 ppbv

RT: 3.99 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 2278219

Ion Ratio Lower Upper

101 100

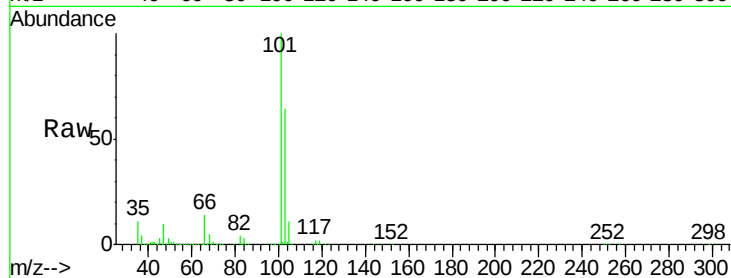
103 63.5 53.6 80.4

Manual Integrations

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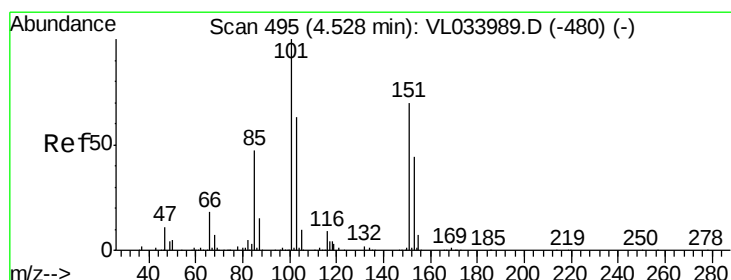
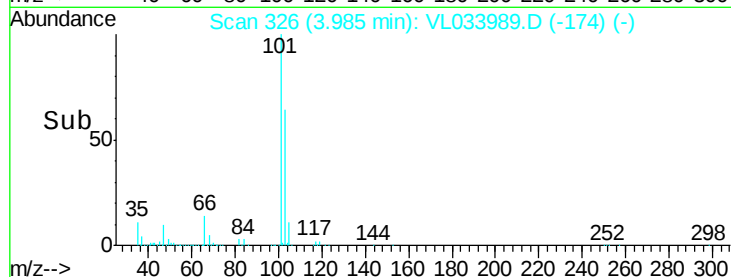
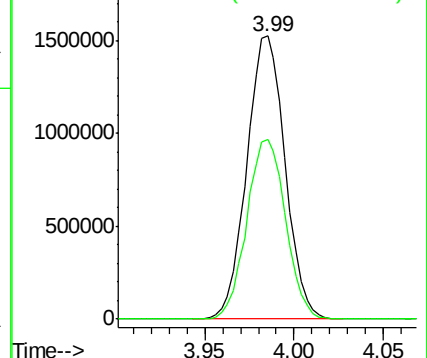
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.062 ppbv

RT: 4.53 min Scan# 495

Delta R.T. -0.01 min

Lab File: VL033989.D

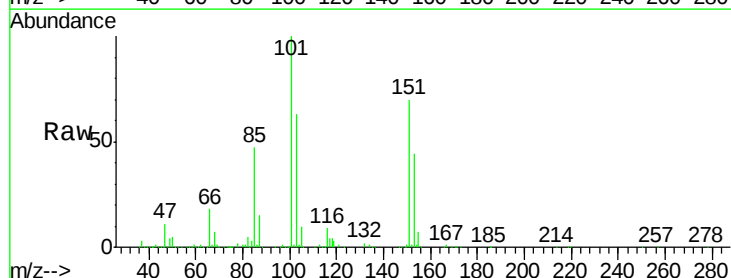
Acq: 2 Jul 2019 13:40

Tgt Ion:101 Resp: 1614826

Ion Ratio Lower Upper

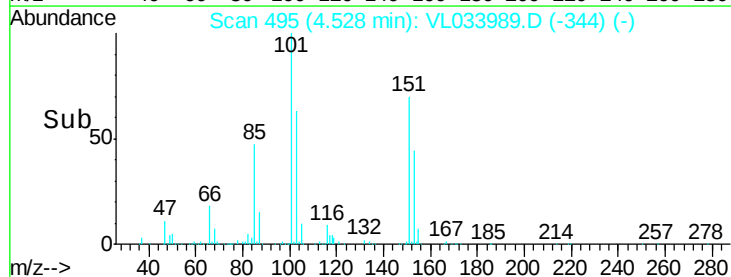
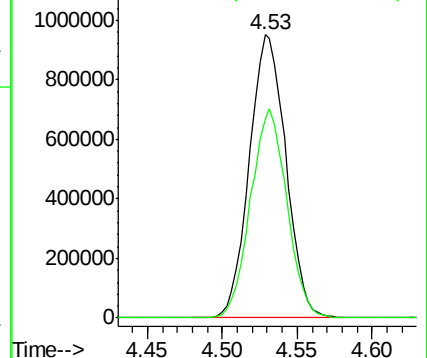
101 100

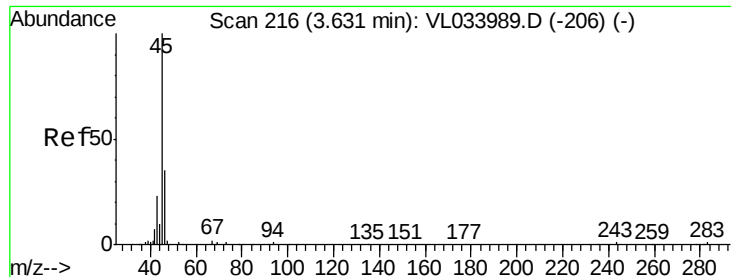
151 73.7 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





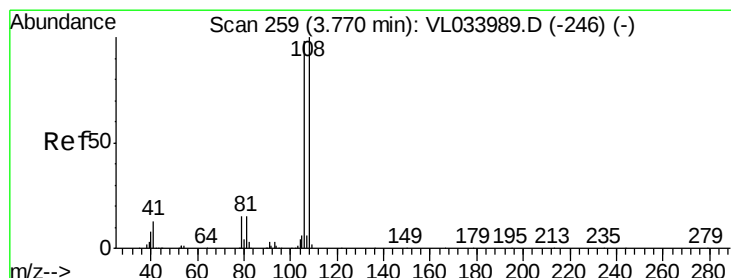
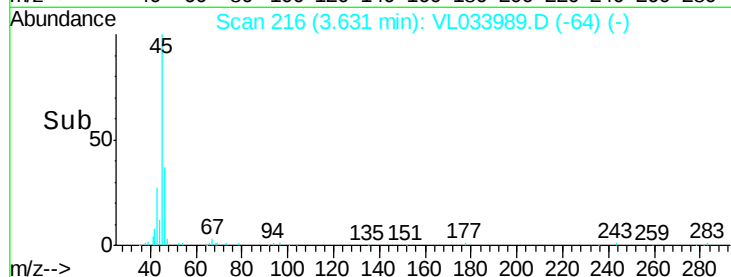
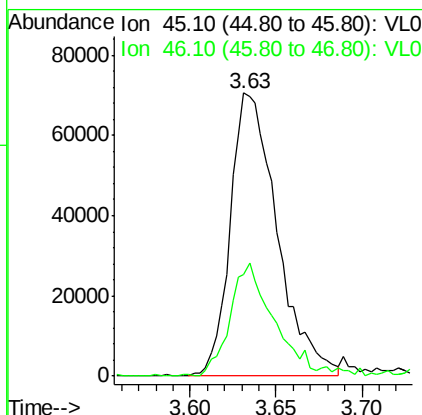
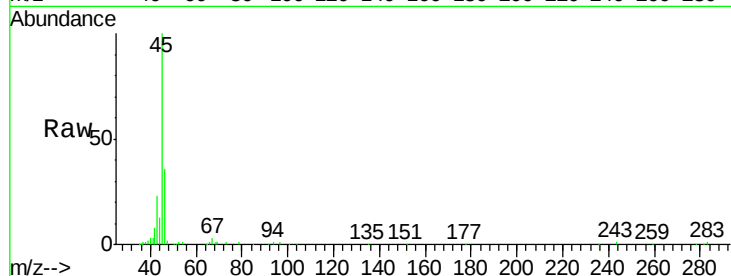
#13
Ethanol
Concen: 8.209 ppbv
RT: 3.63 min Scan# 216
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.4	15.3	61.1

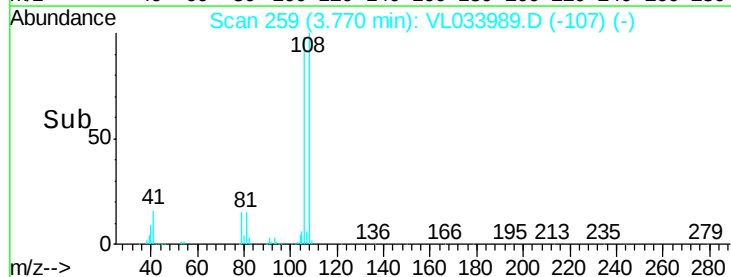
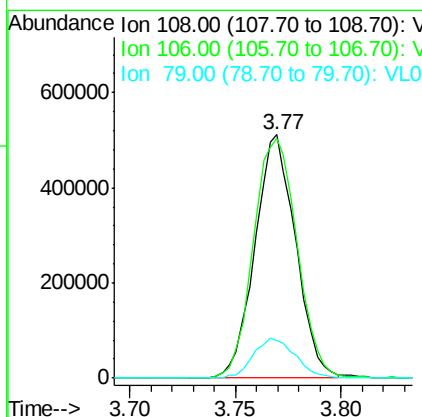
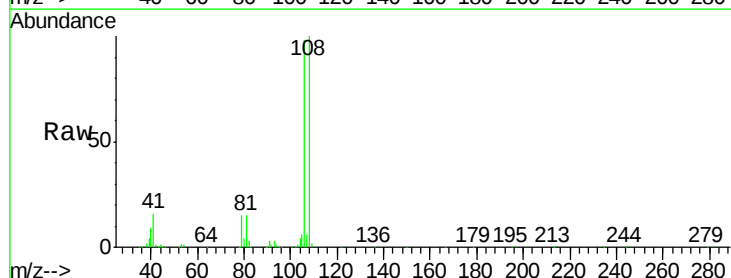
Manual Integrations
APPROVED

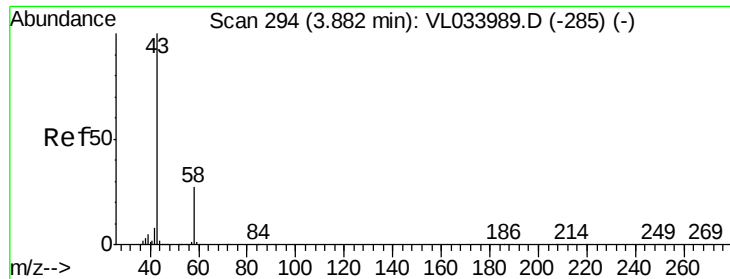
MMDadoda
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#14
Bromoethene
Concen: 11.461 ppbv
RT: 3.77 min Scan# 259
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.9	127.3
79	17.5	15.4	23.0





#15

Acetone

Concen: 9.286 ppbv

RT: 3.88 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1536033

Ion Ratio Lower Upper

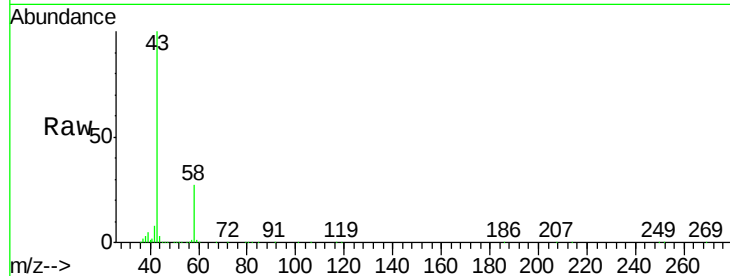
43 100

58 26.7 21.3 31.9

Manual Integrations
APPROVED

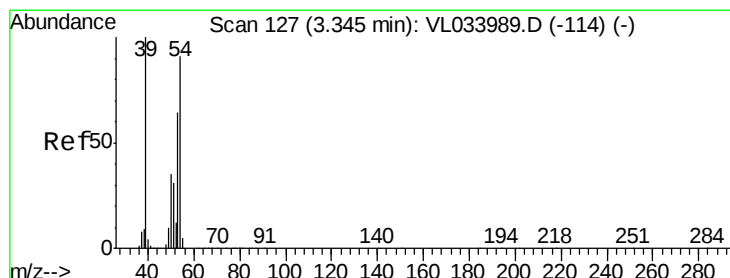
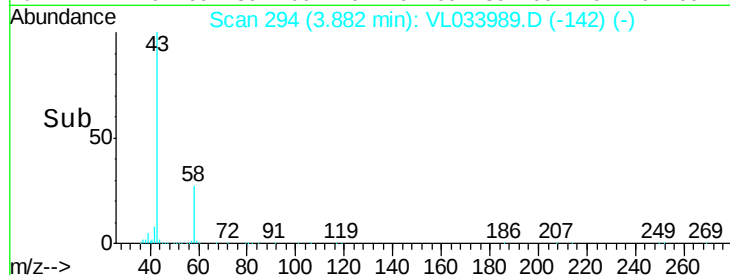
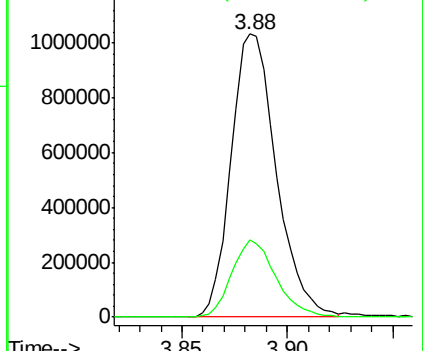
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.597 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.01 min

Lab File: VL033989.D

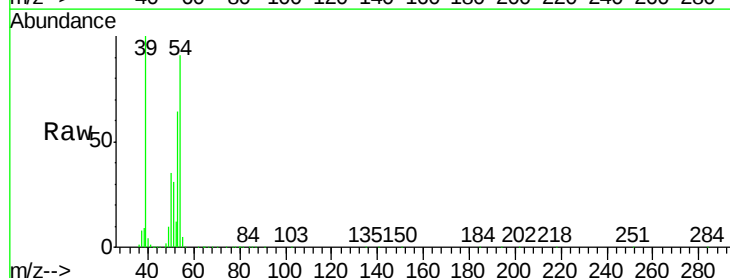
Acq: 2 Jul 2019 13:40

Tgt Ion: 39 Resp: 667218

Ion Ratio Lower Upper

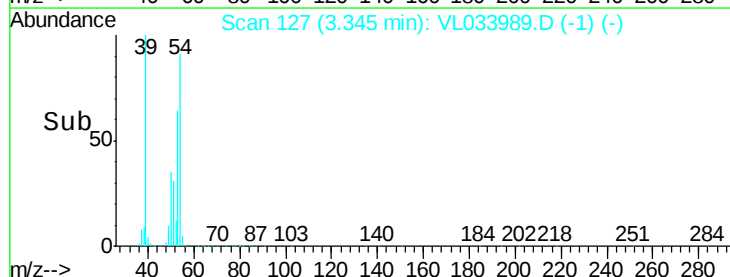
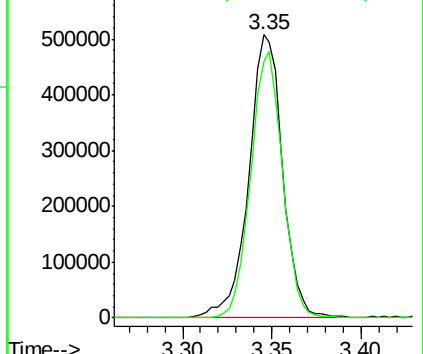
39 100

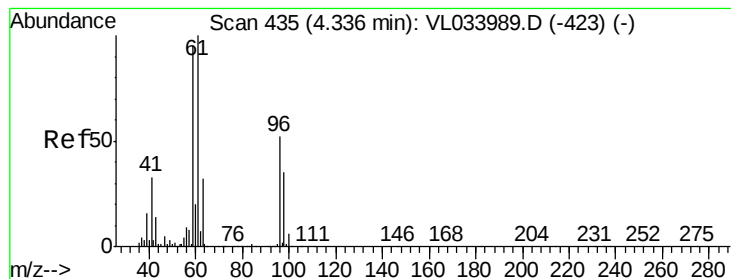
54 89.3 68.6 103.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

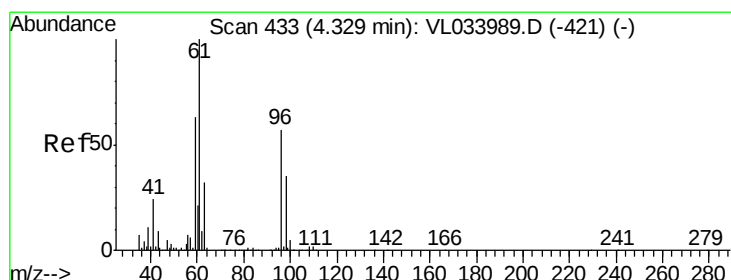
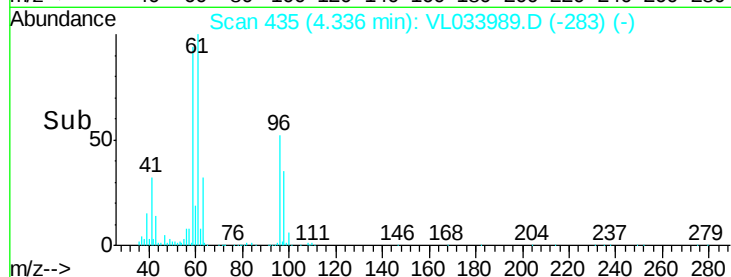
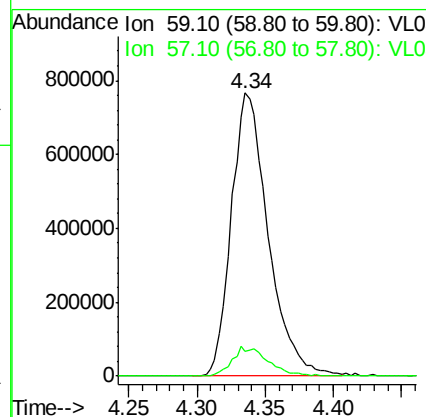
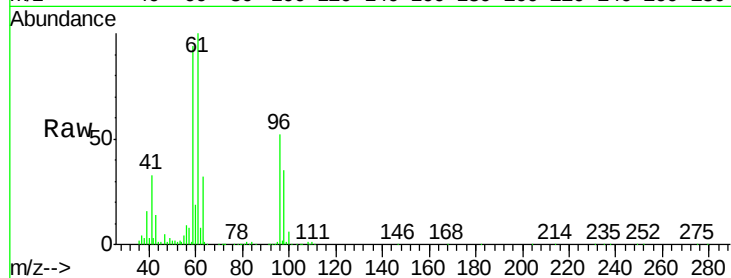
tert-Butyl alcohol
 Concen: 11.137 ppbv
 RT: 4.34 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion: 59 Resp: 1440190
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.4 12.6

Manual Integrations
 APPROVED

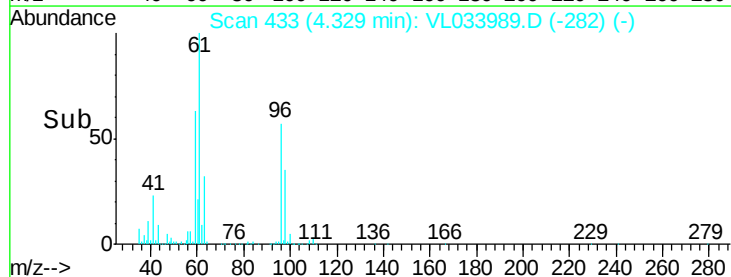
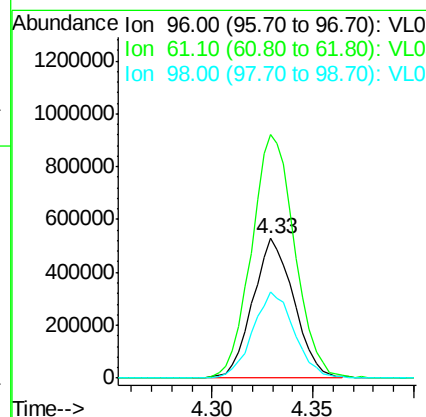
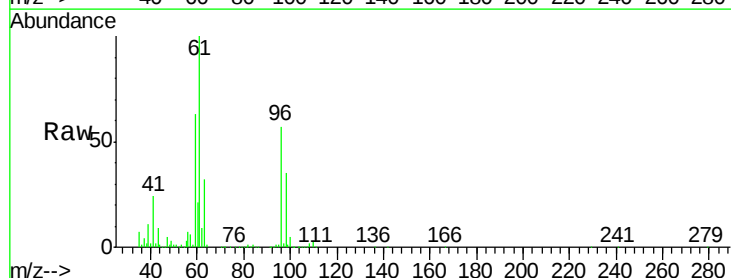
MMDadoda
 7/3/2019 11:03:26 PM

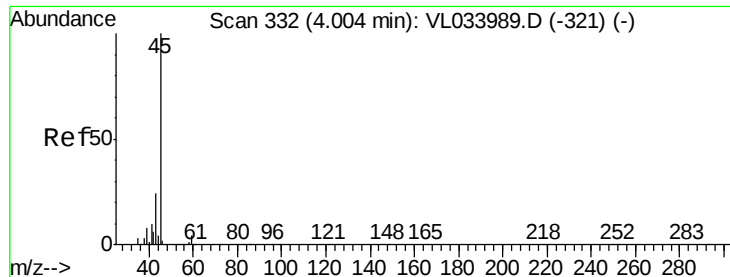


#18

1,1-Dichloroethene
 Concen: 11.127 ppbv
 RT: 4.33 min Scan# 433
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion: 96 Resp: 754277
 Ion Ratio Lower Upper
 96 100
 61 174.2 147.0 220.6
 98 61.7 49.4 74.0





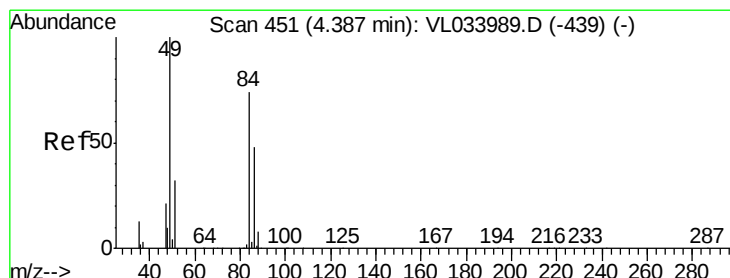
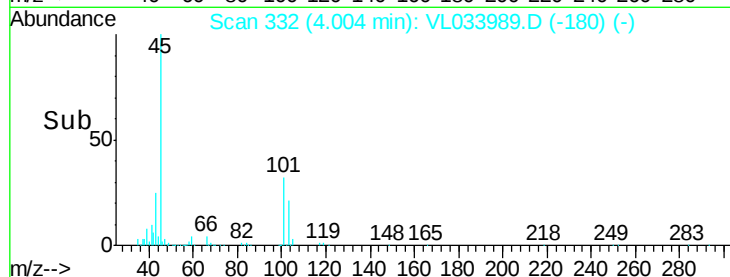
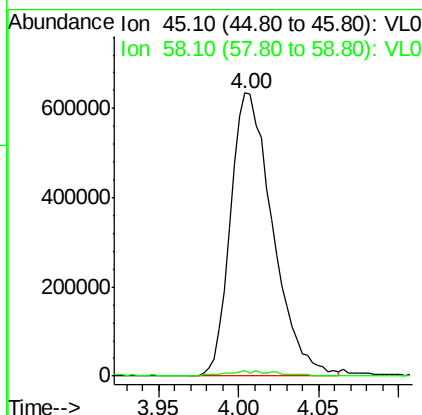
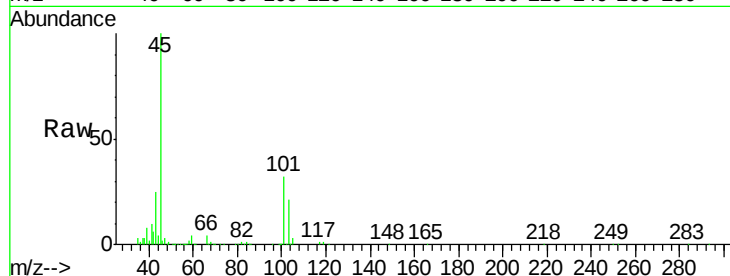
#19
Isopropyl Alcohol
Concen: 12.079 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 1141423
Ion Ratio Lower Upper
45 100
58 2.1 1.8 2.6

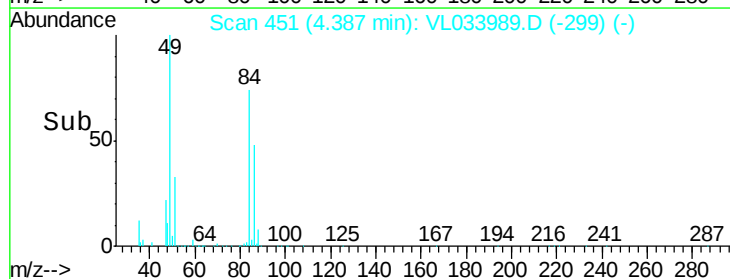
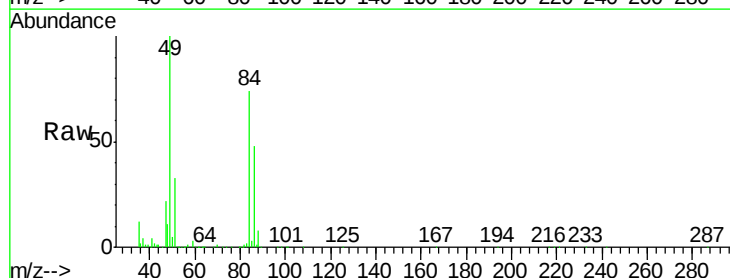
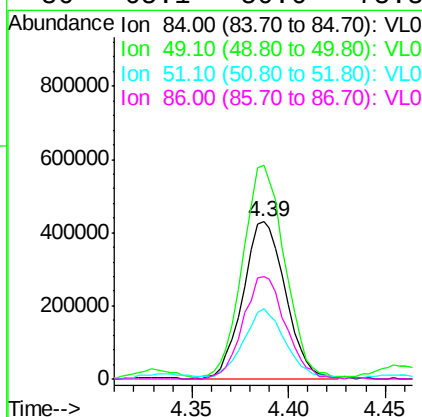
Manual Integrations
APPROVED

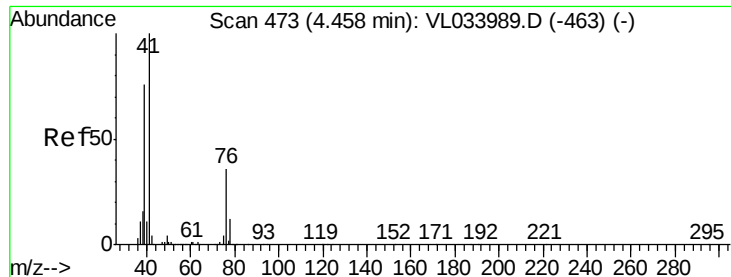
MMDadoda
7/3/2019 11:03:26 PM



#20
Methylene Chloride
Concen: 10.178 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 84 Resp: 656540
Ion Ratio Lower Upper
84 100
49 134.5 110.0 165.0
51 43.8 34.6 51.8
86 65.1 50.6 75.8





#21

Allvl Chloride

Concen: 11.706 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 1099977

Ion Ratio Lower Upper

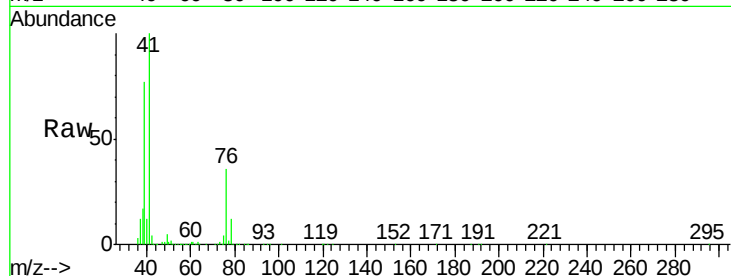
41 100

76 33.5 26.6 39.8

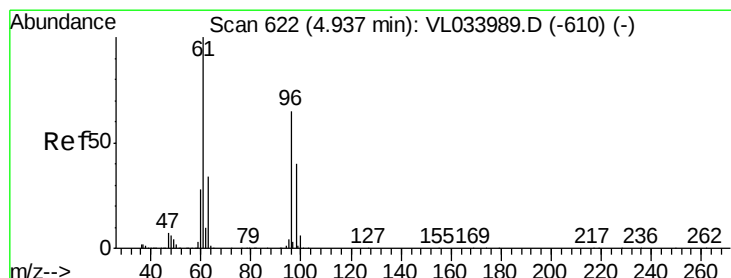
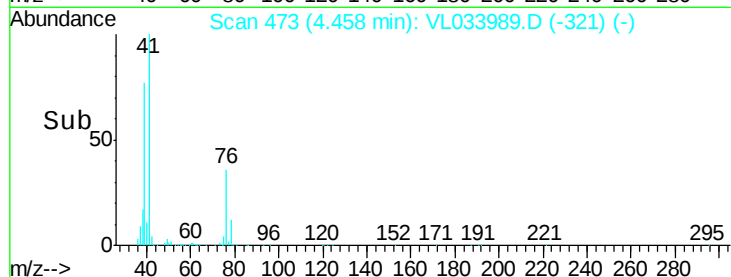
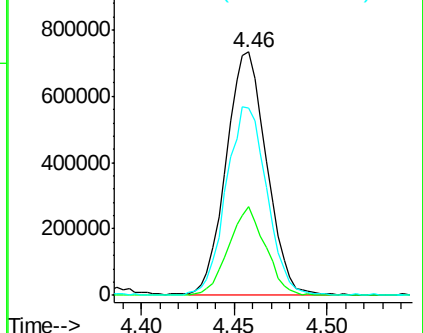
39 78.9 65.2 97.8

Manual Integrations
APPROVED

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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.761 ppbv

RT: 4.94 min Scan# 622

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

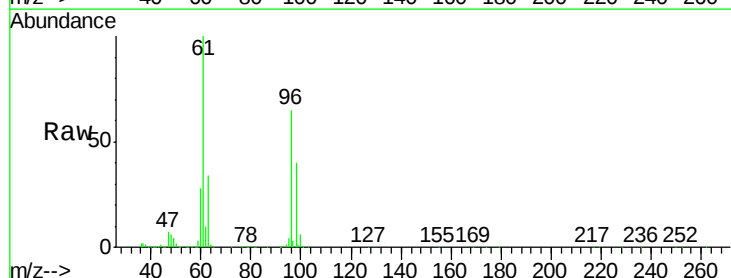
Tgt Ion: 96 Resp: 768961

Ion Ratio Lower Upper

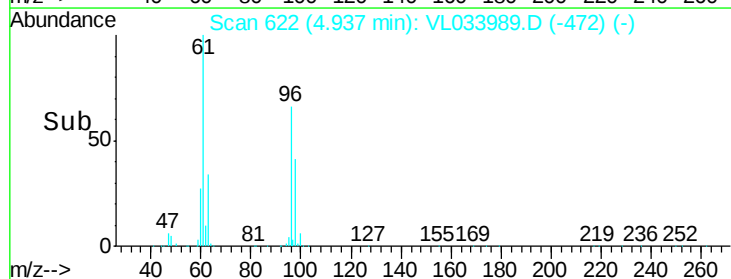
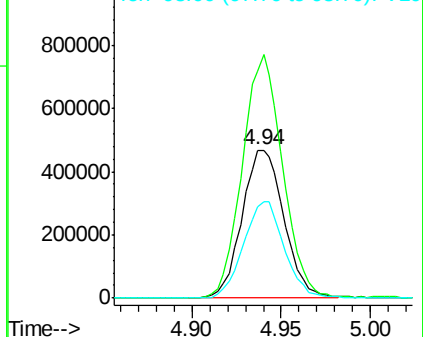
96 100

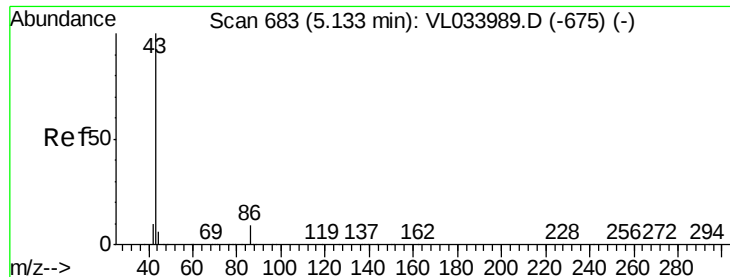
61 153.6 119.0 178.6

98 62.0 48.3 72.5



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.532 ppbv

RT: 5.13 min Scan# 683

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2025087

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.8	8.8
42	10.4	7.8	11.8
44	5.4	4.2	6.4

43 100

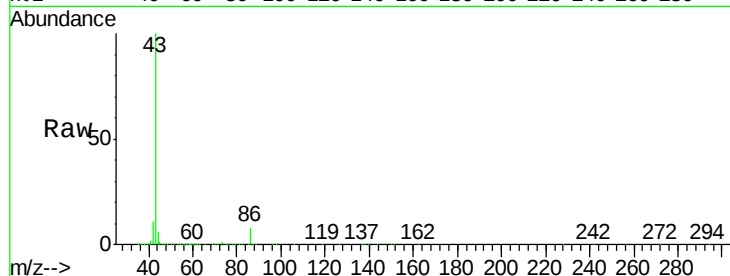
86 8.2 5.8 8.8

42 10.4 7.8 11.8

44 5.4 4.2 6.4

Manual Integrations
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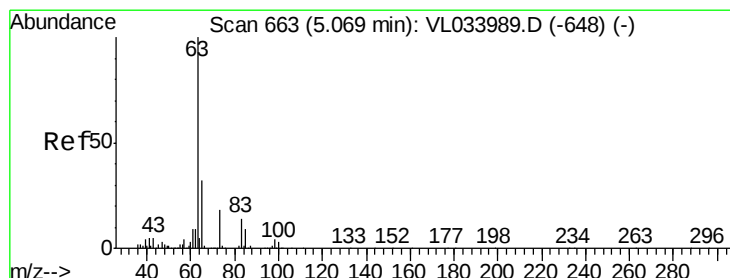
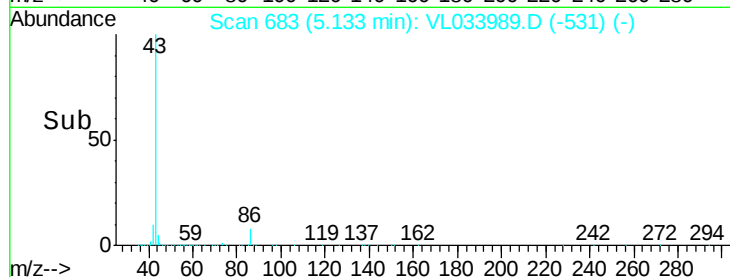
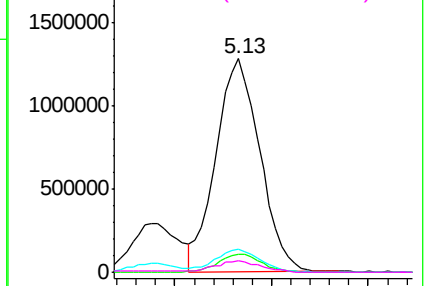


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.803 ppbv

RT: 5.07 min Scan# 663

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

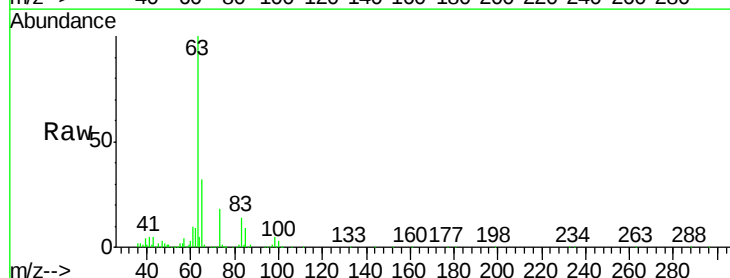
Tgt Ion: 63 Resp: 1615539

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.8	1.3	3.8

63 100

98 4.4 2.2 6.6

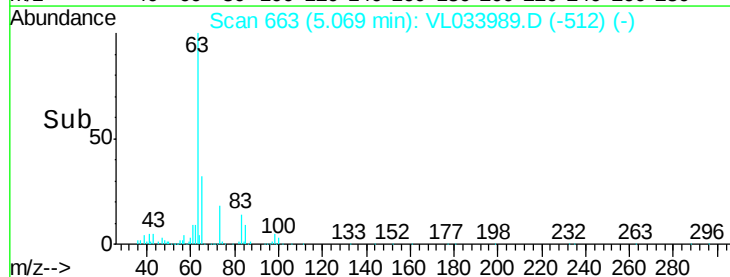
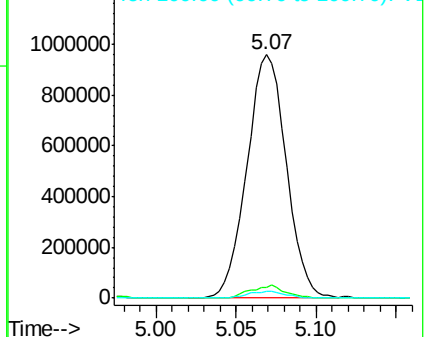
100 2.8 1.3 3.8

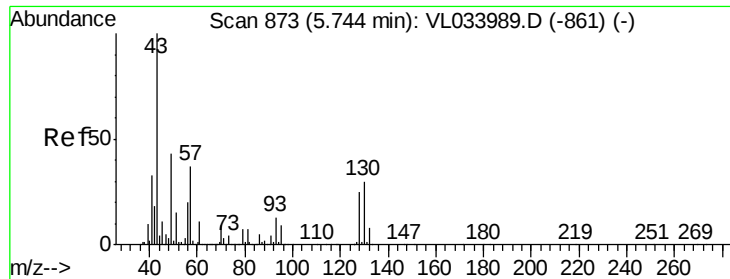


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





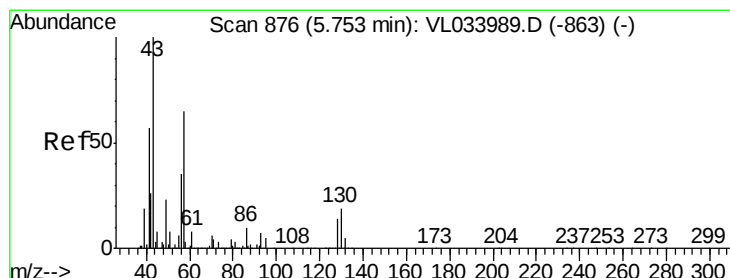
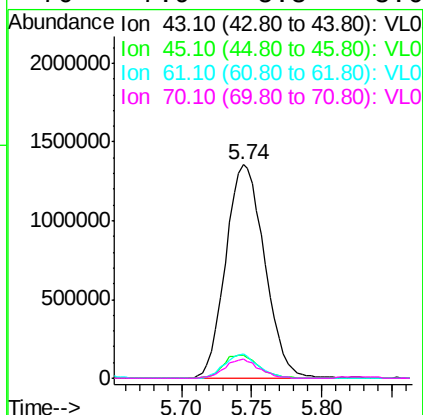
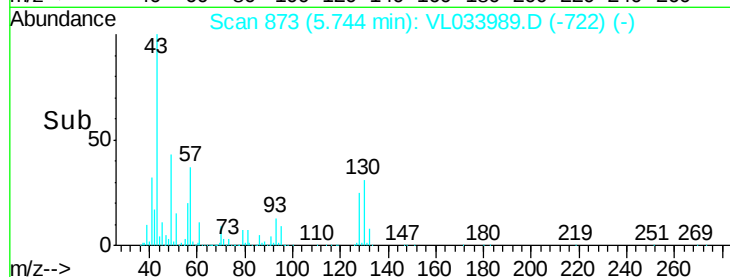
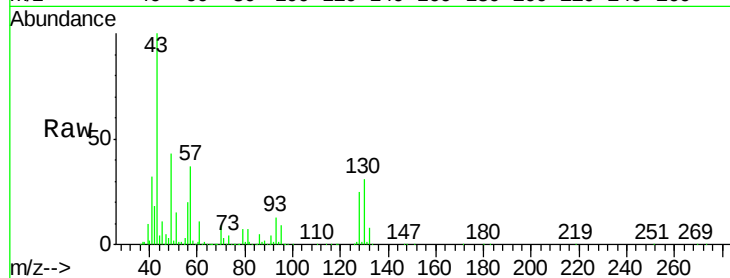
#25
Ethyl Acetate
Concen: 10.308 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	7.9	11.9	
61	10.1	7.8	11.6	
70	7.9	5.8	8.6	

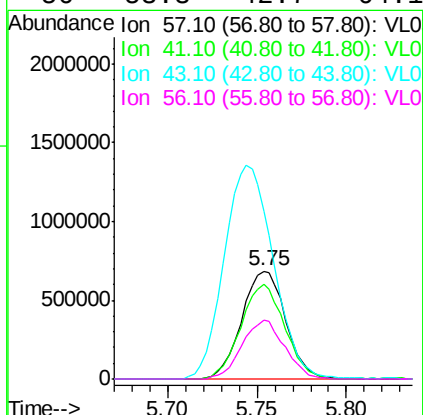
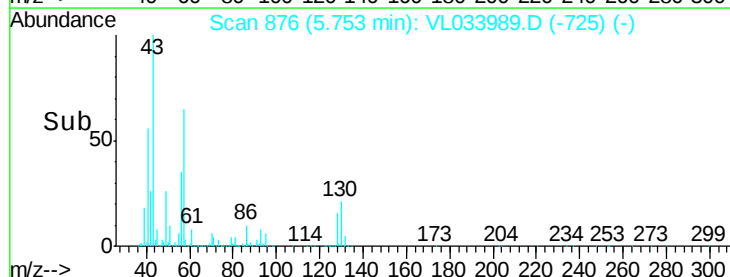
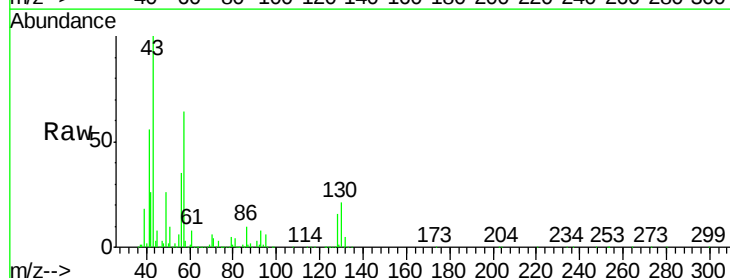
Manual Integrations
APPROVED

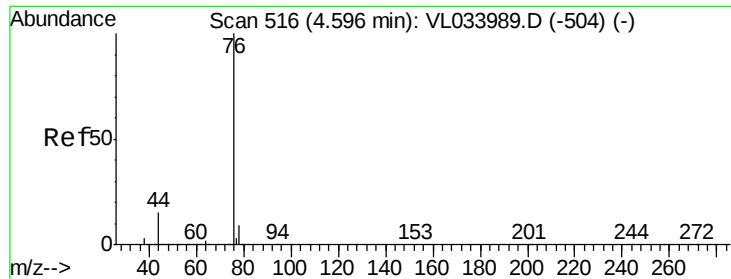
MMDadoda
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#26
Hexane
Concen: 10.266 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	88.2	71.4	107.2	
43	222.0	183.7	275.5	
56	53.3	42.7	64.1	





#27

Carbon Disulfide

Concen: 12.260 ppbv

RT: 4.60 min Scan# 516

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1953689

Ion Ratio Lower Upper

76 100

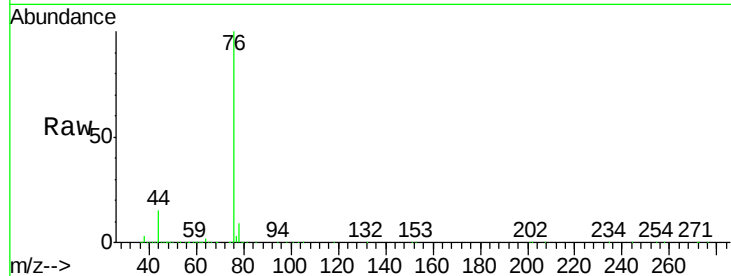
44 15.7 14.4 21.6

78 9.0 7.5 11.3

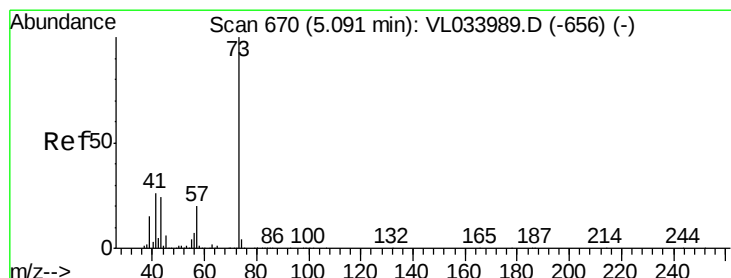
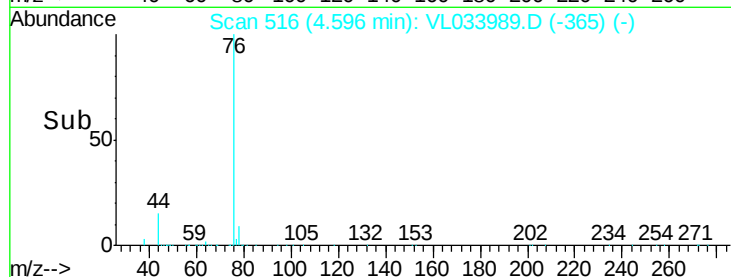
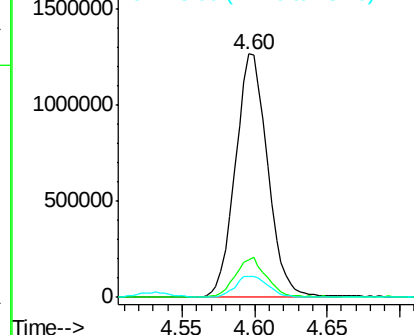
Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.190 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.01 min

Lab File: VL033989.D

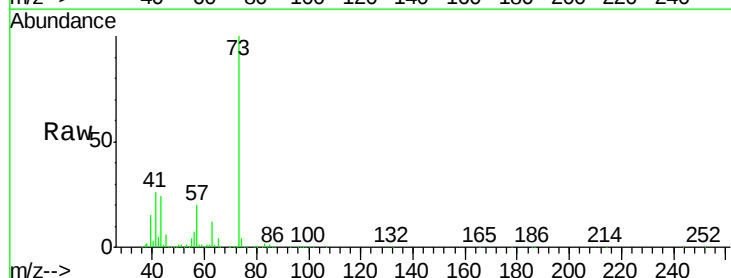
Acq: 2 Jul 2019 13:40

Tgt Ion: 73 Resp: 2114278

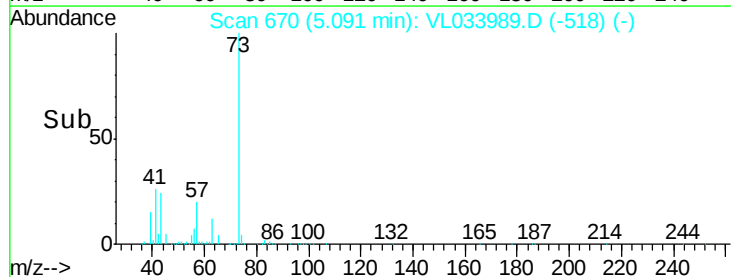
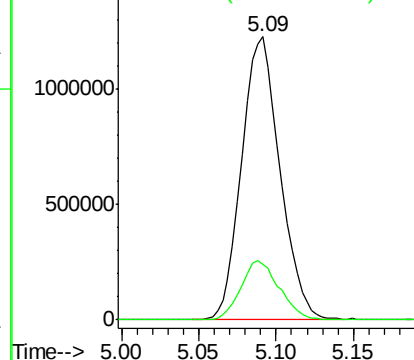
Ion Ratio Lower Upper

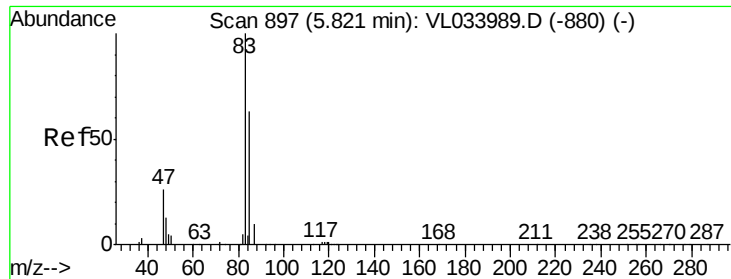
73 100

57 21.1 17.2 25.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





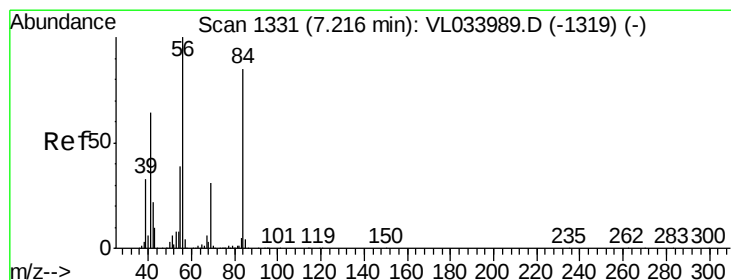
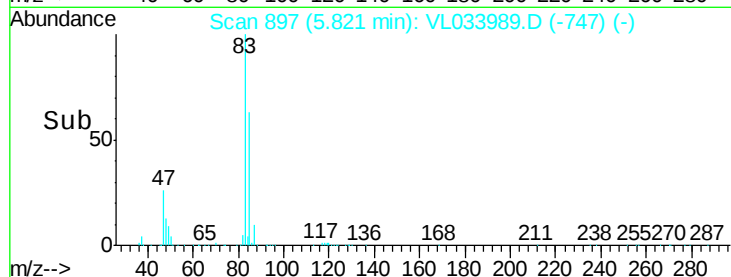
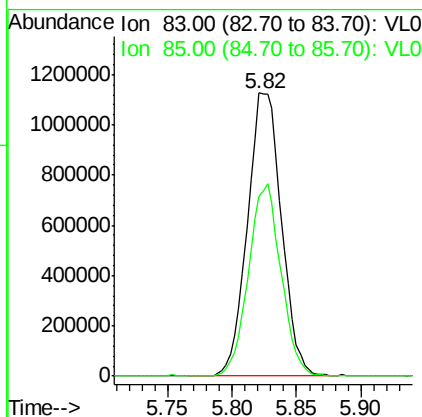
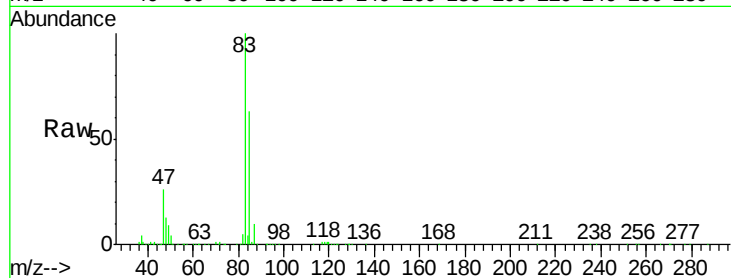
#29
Chloroform
Concen: 10.576 ppbv
RT: 5.82 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2077669
Ion Ratio Lower Upper
83 100
85 63.2 50.5 75.7

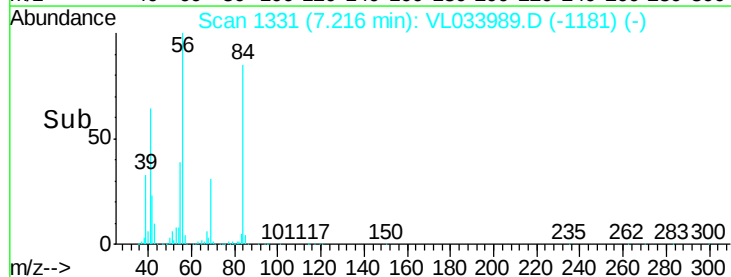
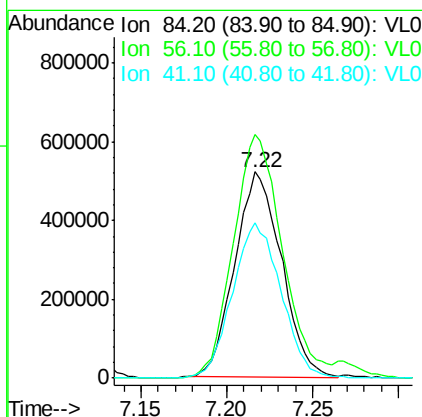
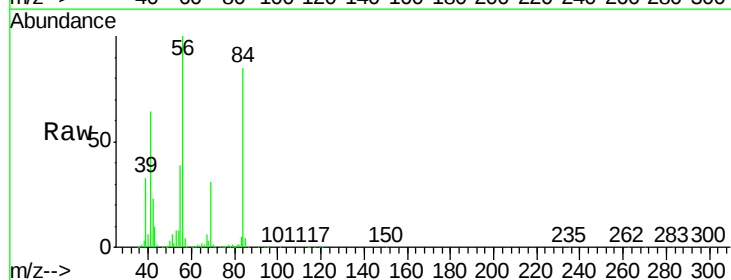
Manual Integrations
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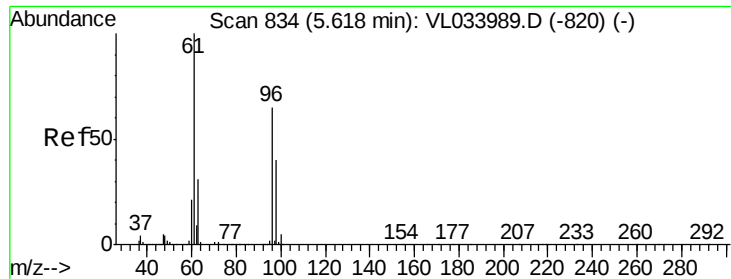
MMDadoda
7/3/2019 11:03:26 PM



#30
Cyclohexane
Concen: 12.129 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 84 Resp: 982930
Ion Ratio Lower Upper
84 100
56 129.6 105.8 158.8
41 78.3 65.7 98.5





#31

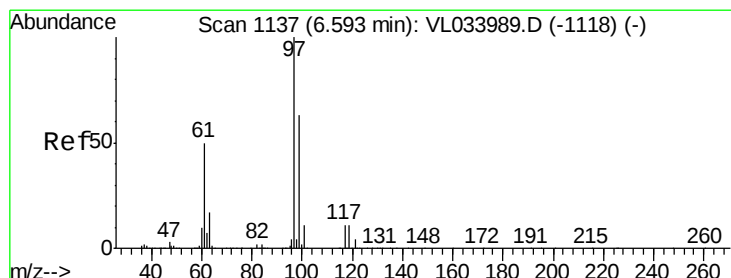
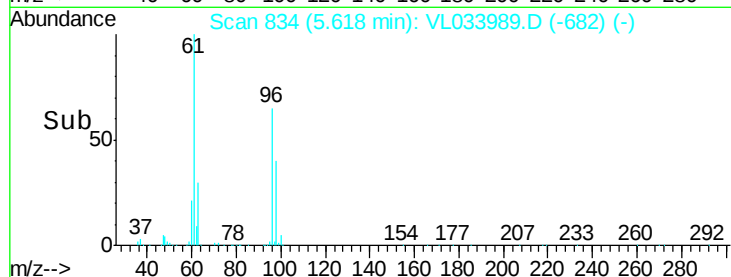
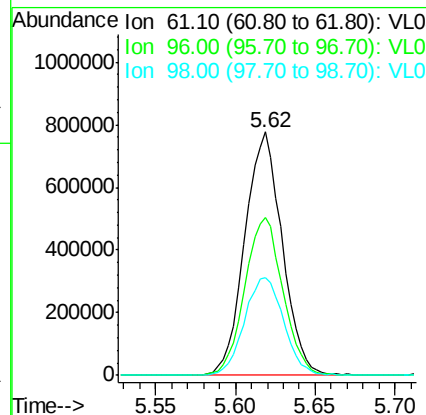
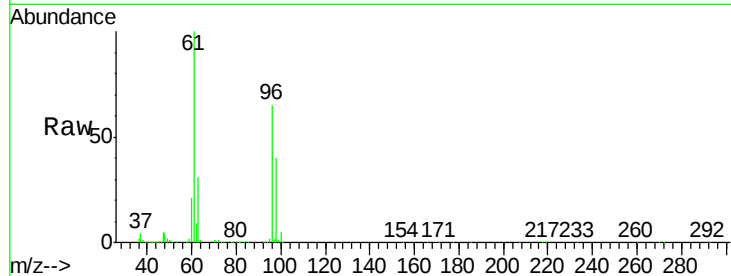
cis-1,2-Dichloroethene
 Concen: 12.327 ppbv
 RT: 5.62 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.7	50.9	76.3
98	40.1	31.4	47.2

Manual Integrations
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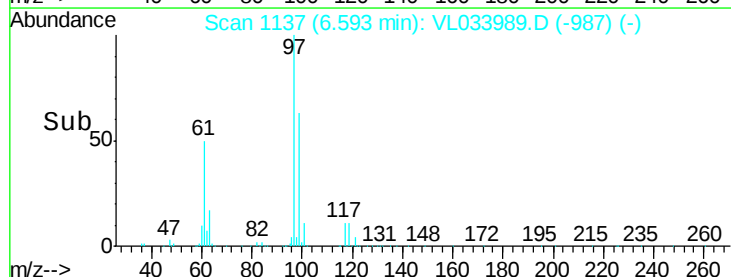
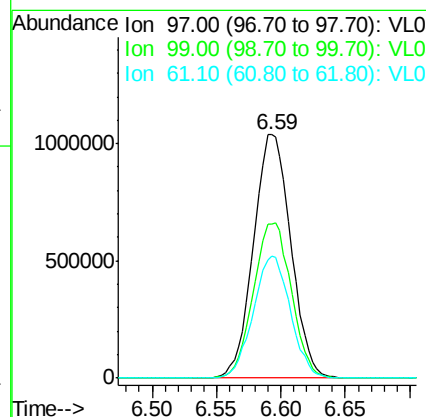
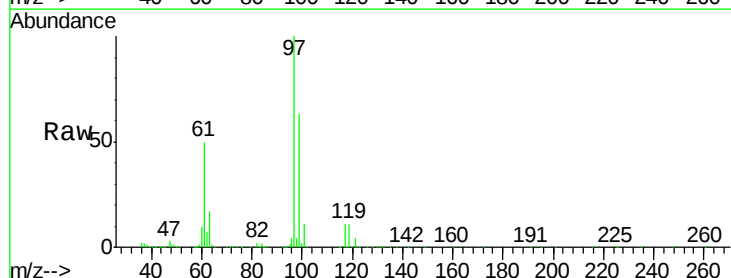
MMDadoda
 7/3/2019 11:03:26 PM

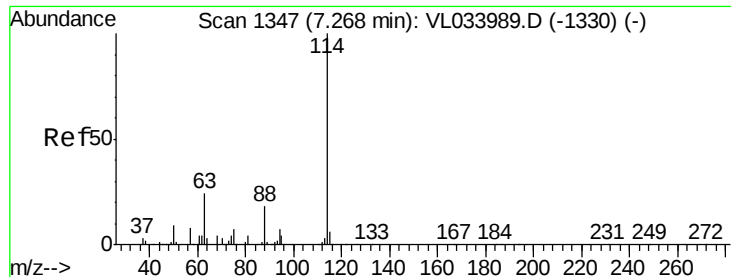


#32

1,1,1-Trichloroethane
 Concen: 11.084 ppbv
 RT: 6.59 min Scan# 1137
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	49.8	37.7	56.5





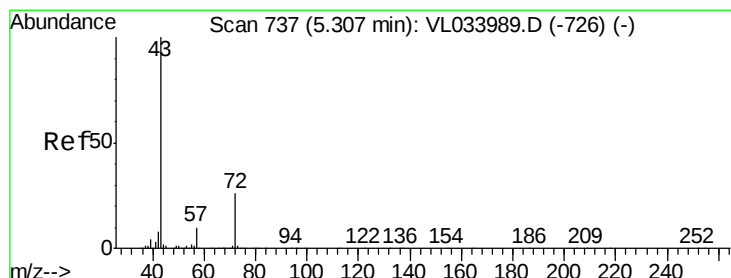
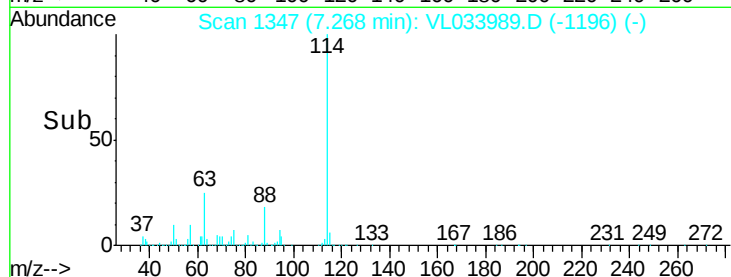
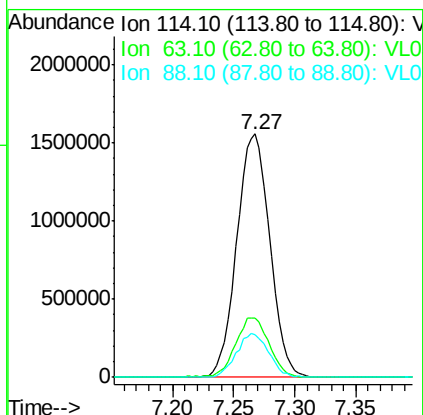
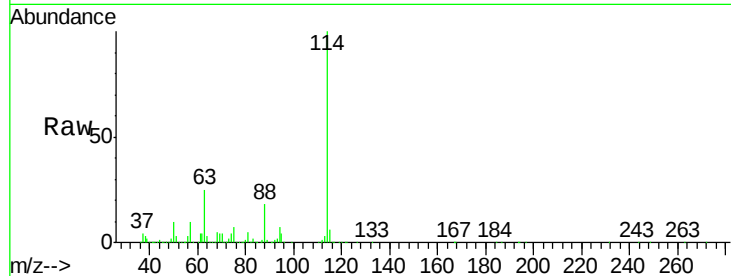
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.1	31.7
88	17.6	14.2	21.4

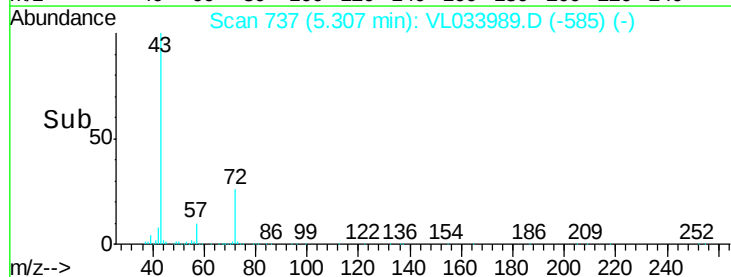
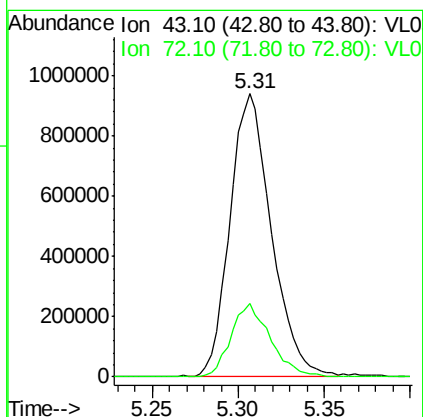
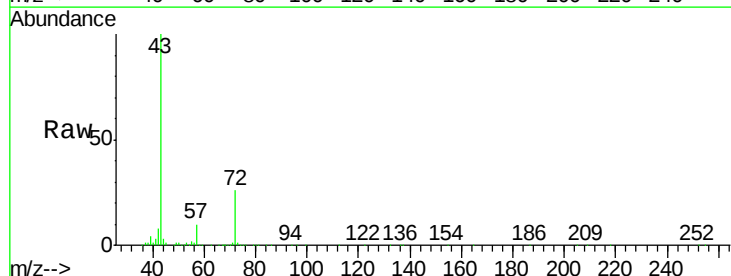
Manual Integrations
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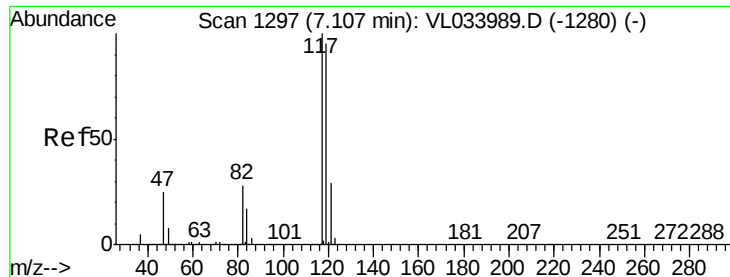
MMDadoda
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#34
 2-Butanone
 Concen: 9.609 ppbv
 RT: 5.31 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.9	26.9





#35

Carbon Tetrachloride

Concen: 9.899 ppbv

RT: 7.11 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2227905

Ion Ratio Lower Upper

117 100

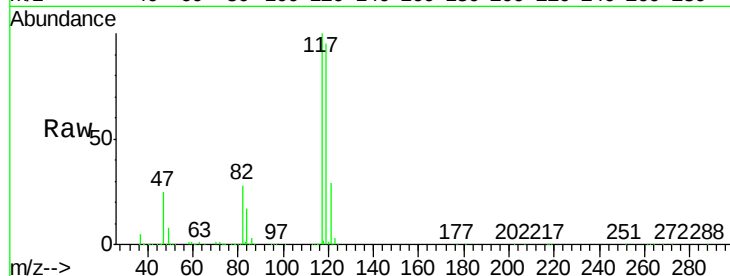
119 94.7 74.6 111.8

121 29.3 24.0 36.0

Manual Integrations
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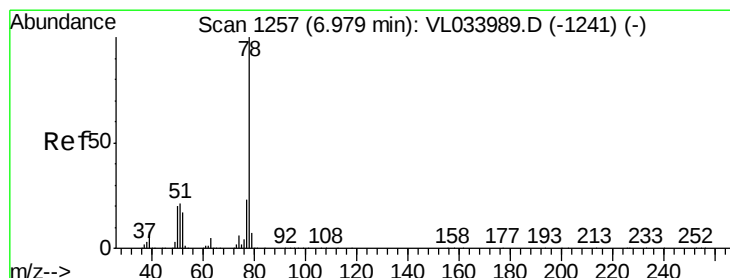
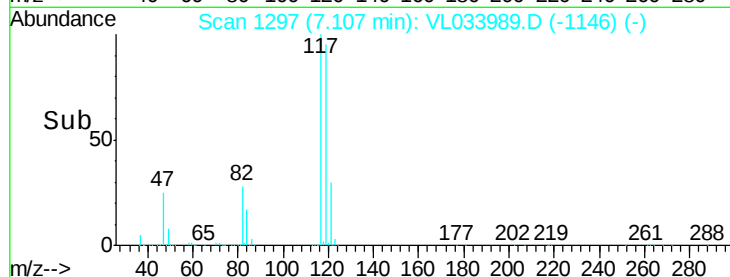
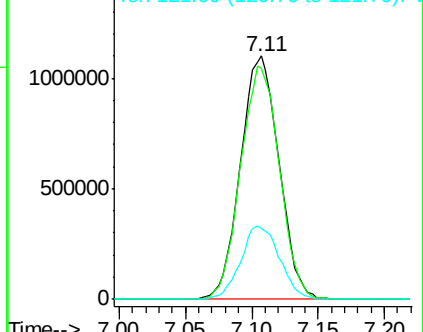
7/3/2019 11:03:26 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.956 ppbv

RT: 6.98 min Scan# 1257

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

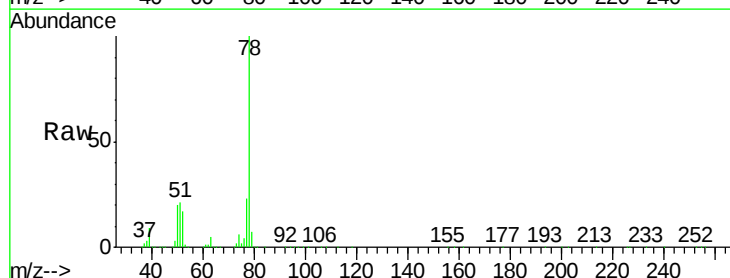
Tgt Ion: 78 Resp: 2437748

Ion Ratio Lower Upper

78 100

77 23.4 18.2 27.2

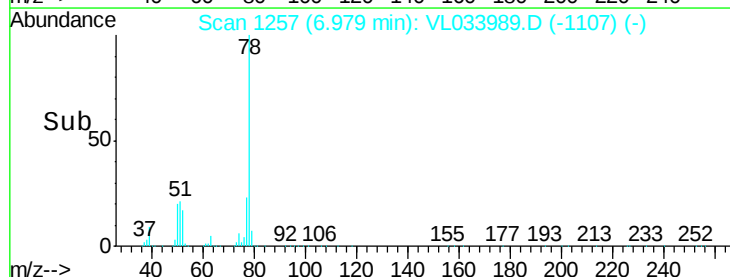
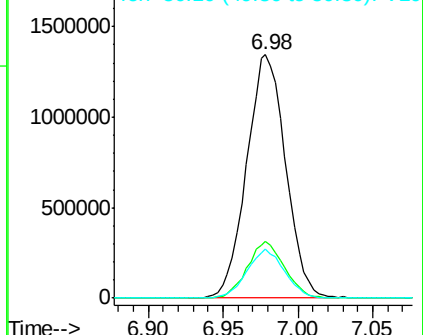
50 20.2 15.9 23.9

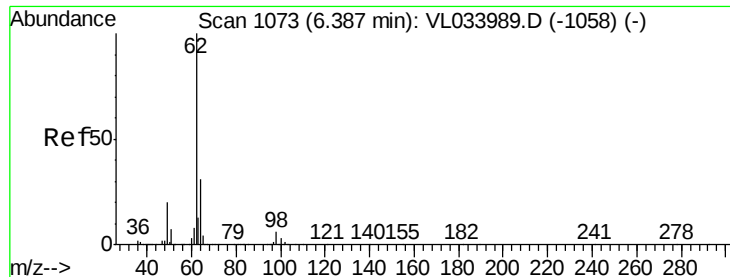


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.044 ppbv

RT: 6.39 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1652806

Ion Ratio Lower Upper

62 100

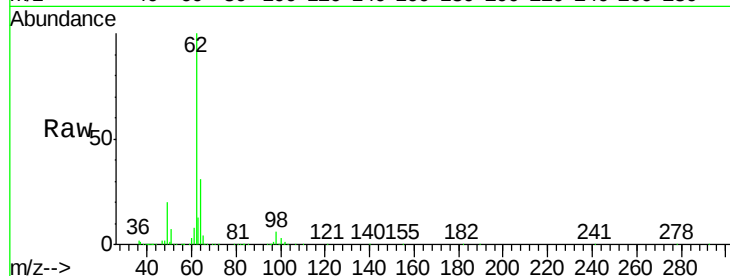
98 5.5 4.0 6.0

Manual Integrations

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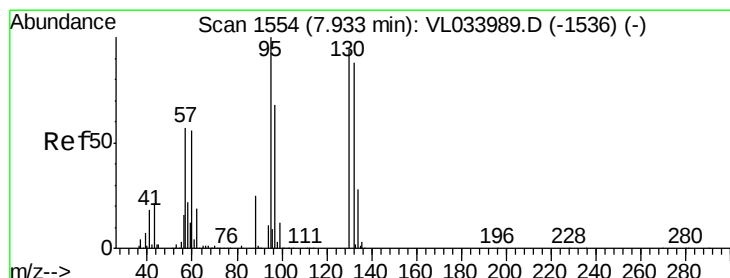
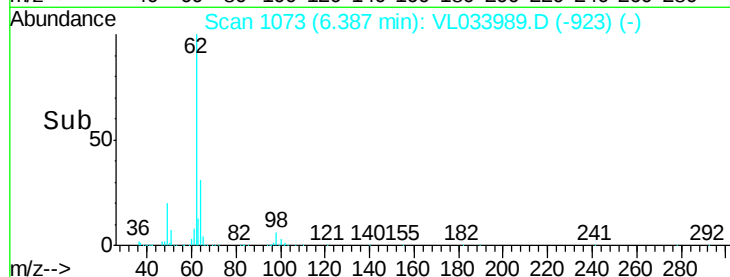
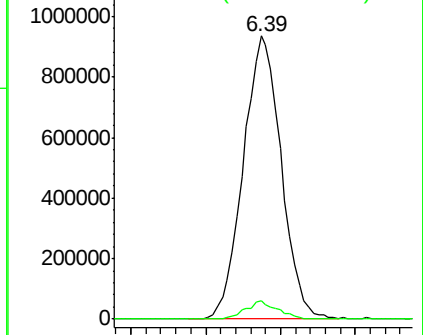
MMDadoda

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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: 12.371 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Tgt Ion:130 Resp: 1071793

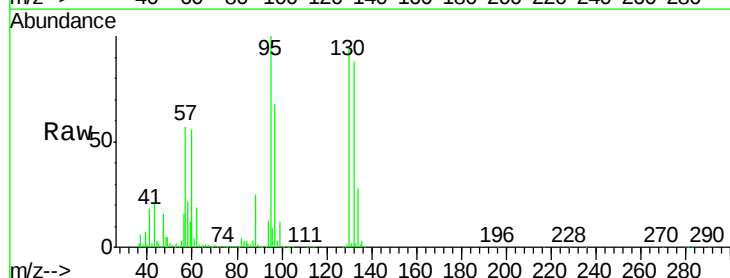
Ion Ratio Lower Upper

130 100

95 106.9 92.0 138.0

132 93.9 73.8 110.8

97 72.6 57.2 85.8

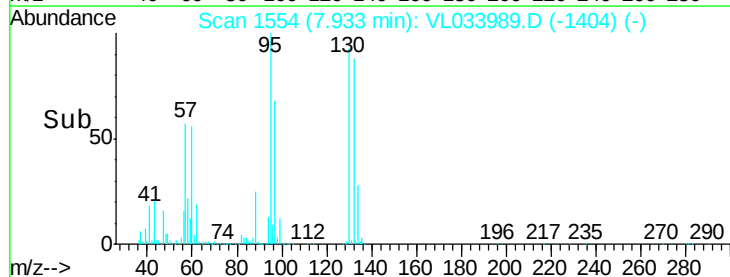
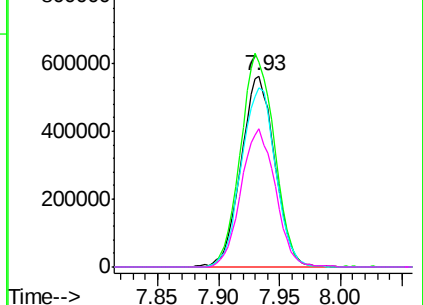


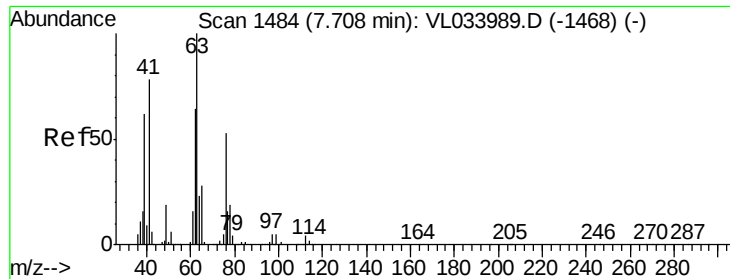
Abundance Ion 130.00 (129.70 to 130.70): V

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





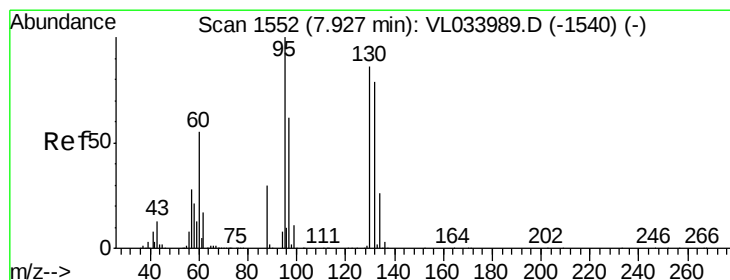
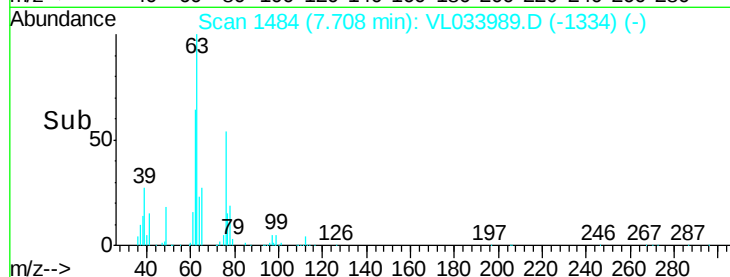
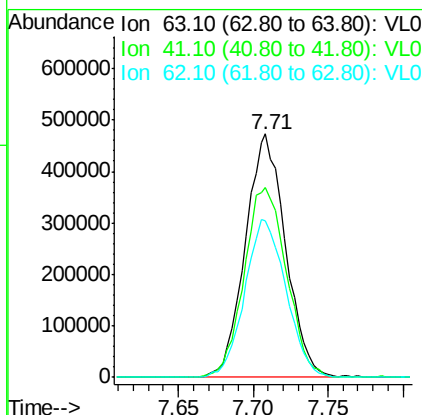
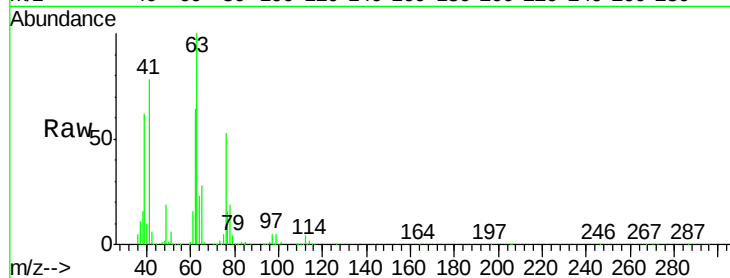
#39
 1,2-Dichloropropane
 Concen: 10.288 ppbv
 RT: 7.71 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.9	58.7	88.1
62	64.3	51.9	77.9

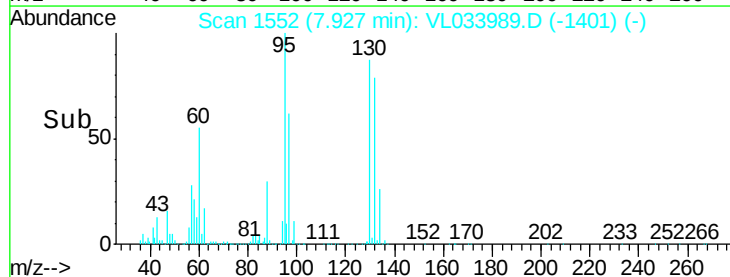
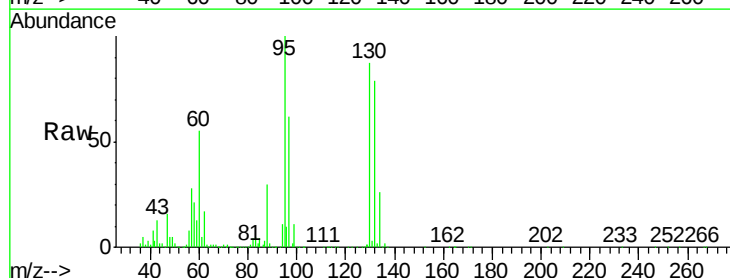
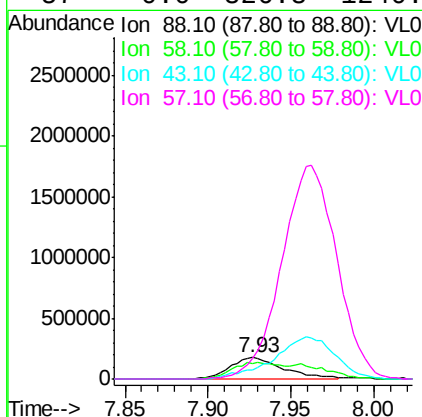
Manual Integrations
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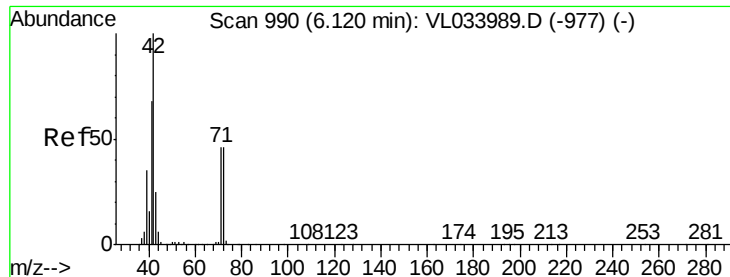
MMDadoda
 7/3/2019 11:03:26 PM



#40
 1,4-Dioxane
 Concen: 11.033 ppbv
 RT: 7.93 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	123.9	100.0	150.0
43	0.0	184.7	277.1#
57	0.0	826.8	1240.2#





#41

Tetrahydrofuran

Concen: 10.100 ppbv

RT: 6.12 min Scan# 990

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

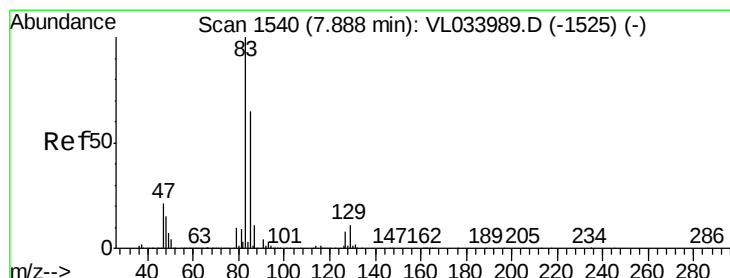
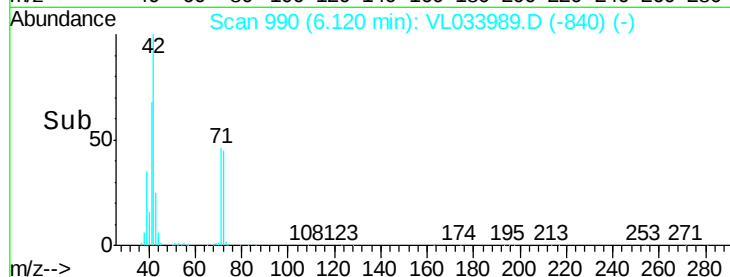
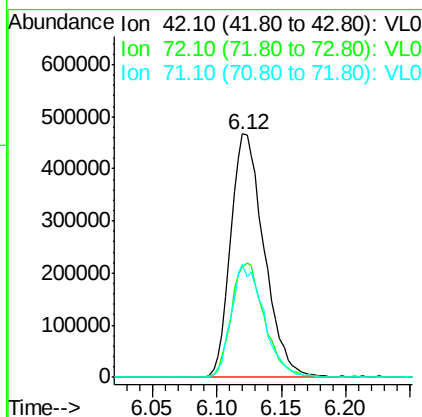
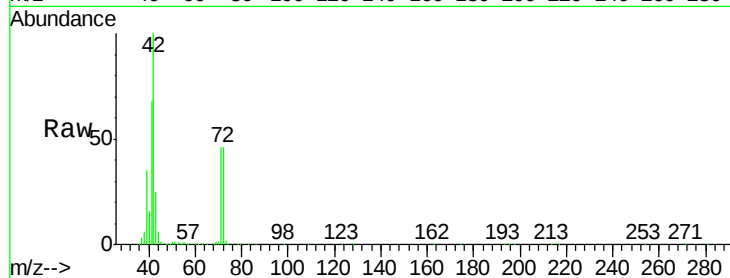
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	842428
Ion	Ratio	Lower	Upper
42	100		
72	46.6	32.2	48.4
71	45.2	31.7	47.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.348 ppbv

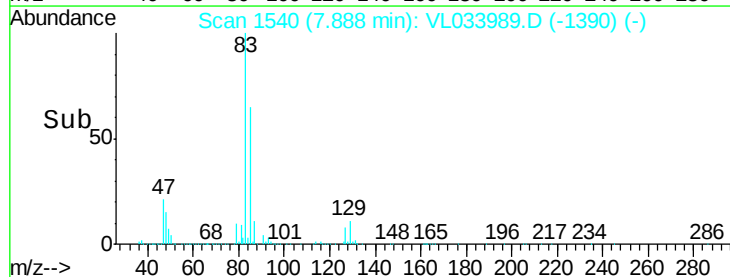
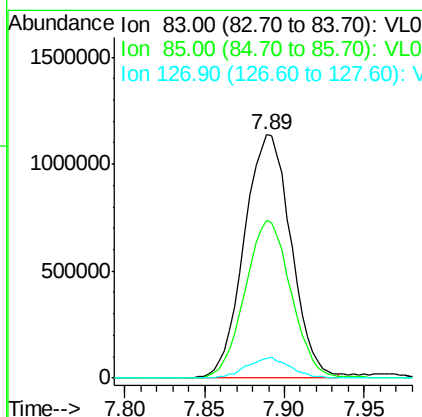
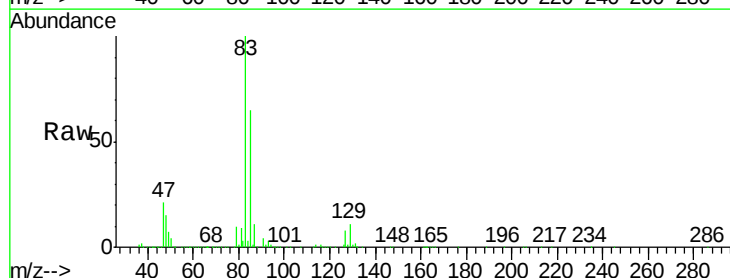
RT: 7.89 min Scan# 1540

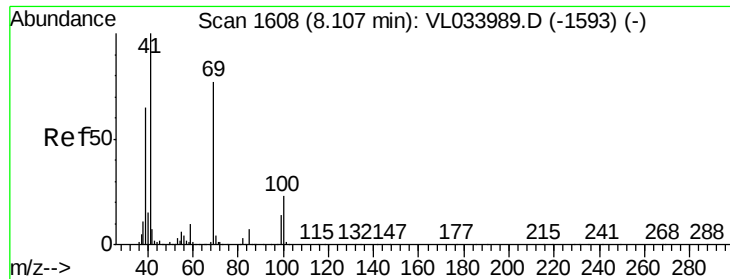
Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Tgt Ion:	83	Resp:	2275770
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	8.1	6.5	9.7





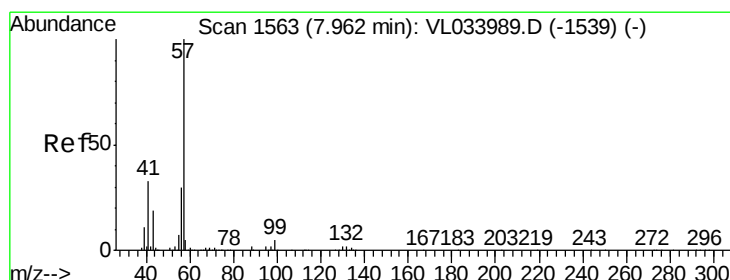
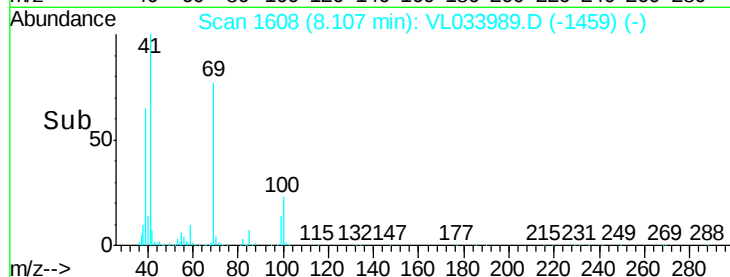
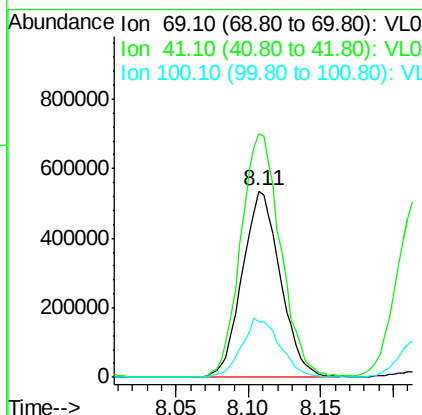
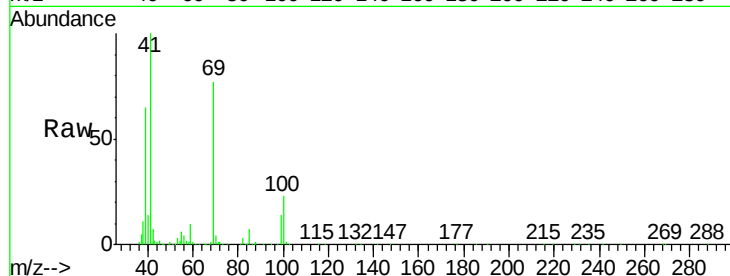
#43
Methvl Methacrilate
Concen: 11.775 ppbv
RT: 8.11 min Scan# 1608
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	136.4	114.3	171.5	
100	31.6	24.8	37.2	

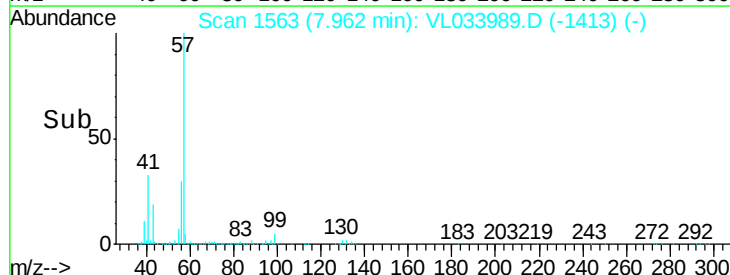
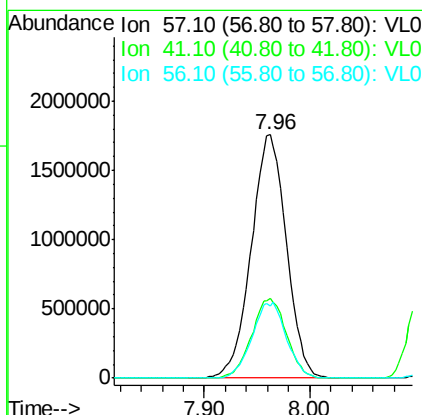
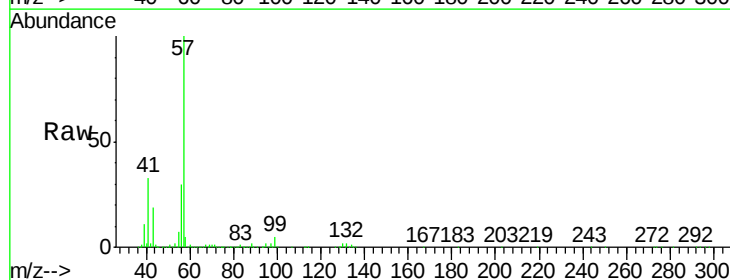
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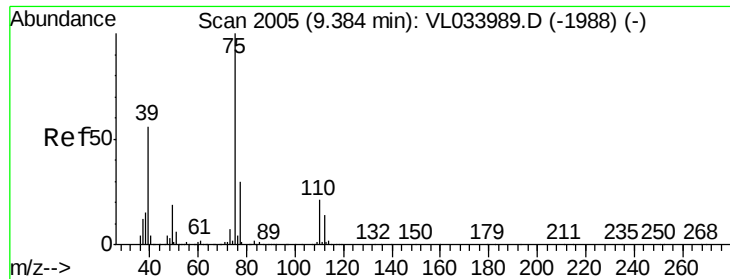
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.322 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.6	26.1	39.1	
56	30.5	24.6	36.8	





#45

t-1,3-Dichloropropene

Concen: 12.736 ppbv

RT: 9.38 min Scan# 2005

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1390715

Ion Ratio Lower Upper

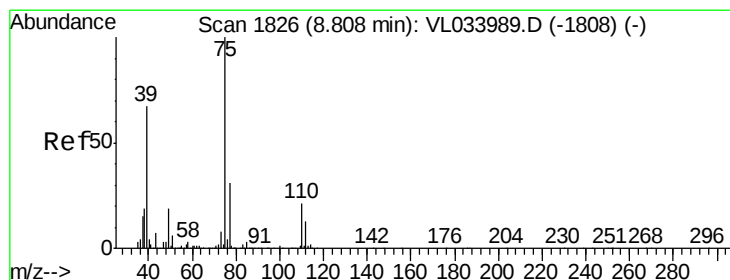
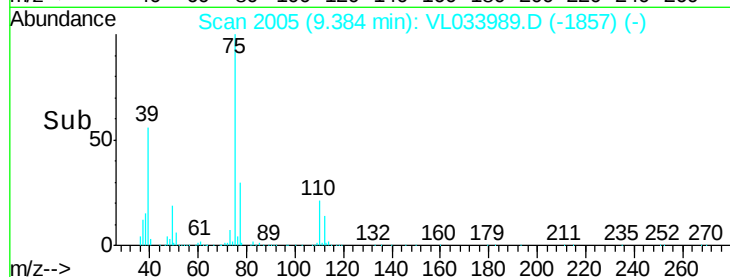
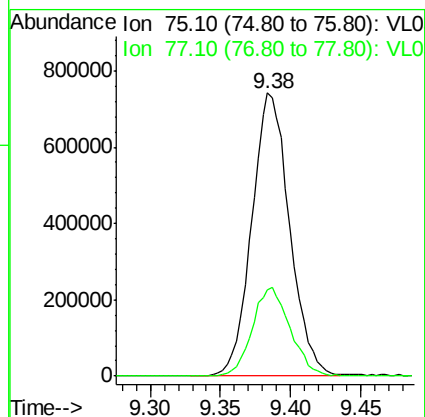
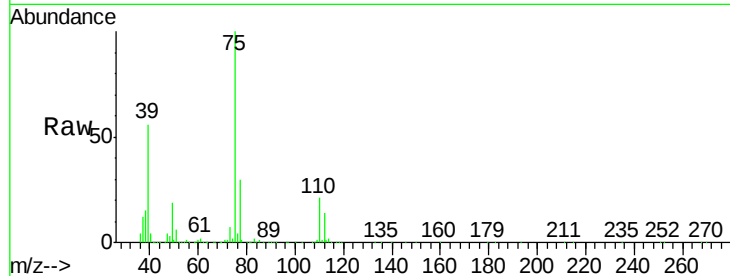
75 100

77 30.4 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 12.304 ppbv

RT: 8.81 min Scan# 1826

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

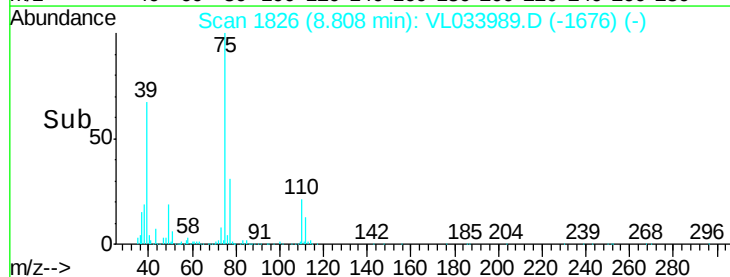
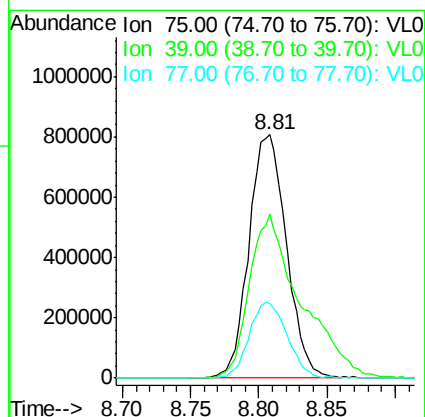
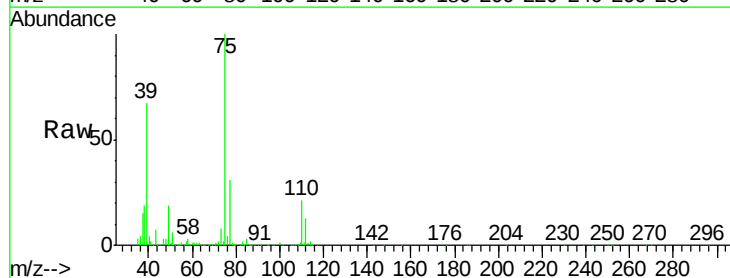
Tgt Ion: 75 Resp: 1539311

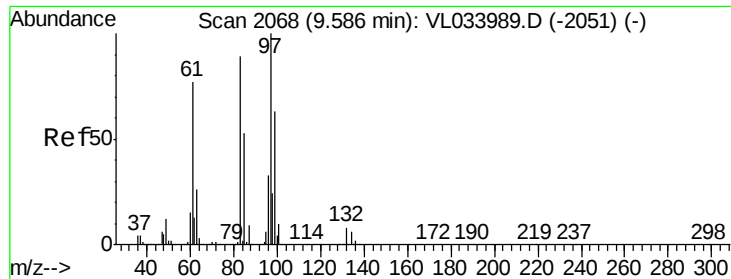
Ion Ratio Lower Upper

75 100

39 67.2 53.8 80.8

77 30.6 24.6 36.8





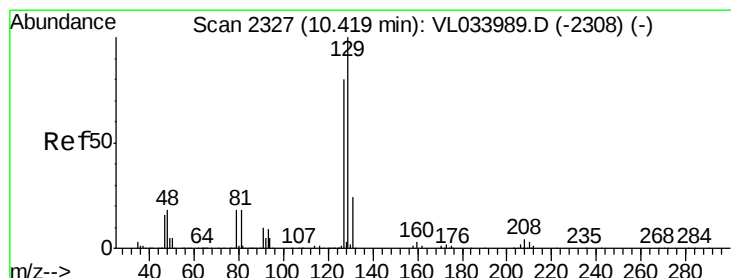
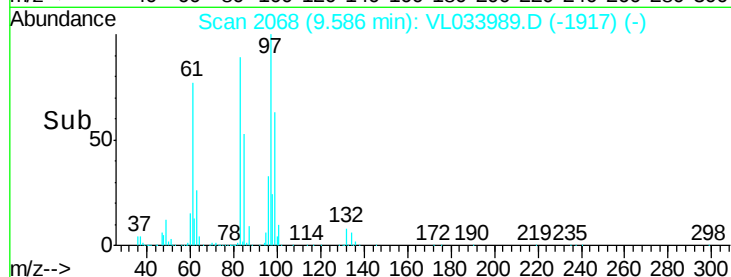
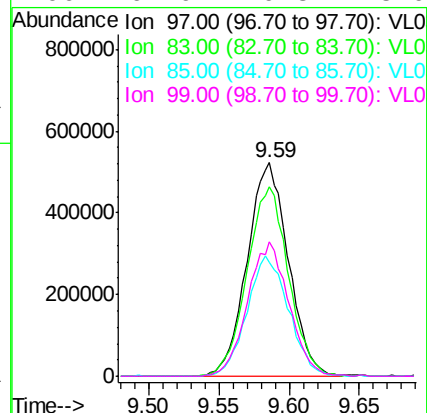
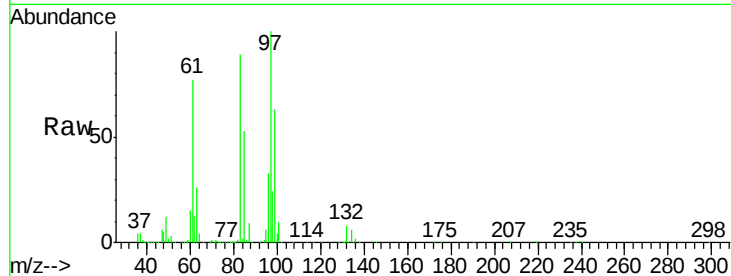
#47
 1,1,2-Trichloroethane
 Concen: 10.451 ppbv
 RT: 9.59 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.9	70.9	106.3	
85	53.3	43.0	64.6	
99	62.9	49.3	73.9	

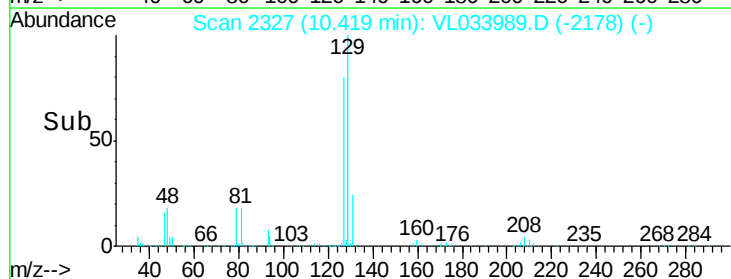
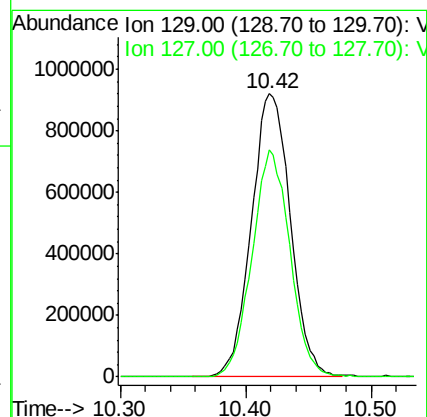
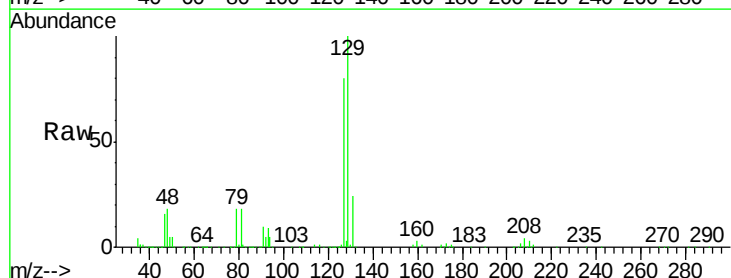
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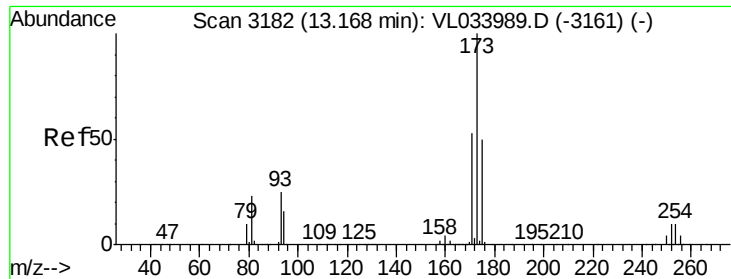
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#48
 Dibromochloromethane
 Concen: 10.837 ppbv
 RT: 10.42 min Scan# 2327
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	38.6	115.7	





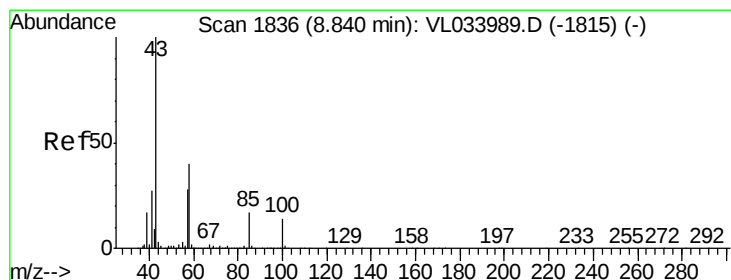
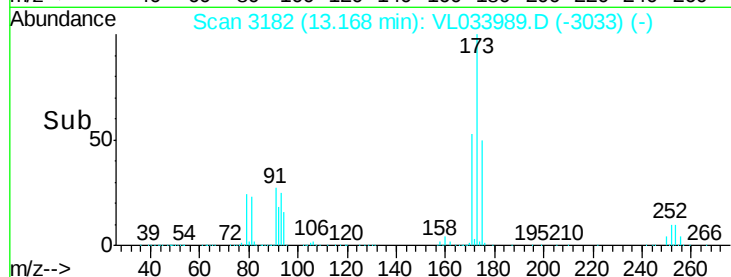
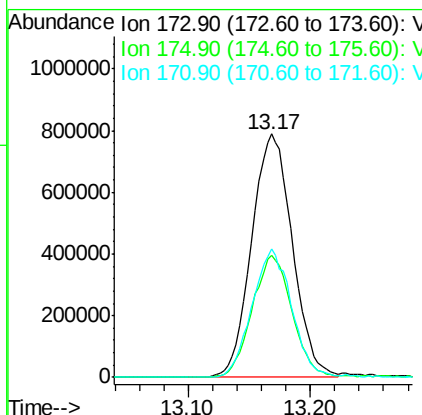
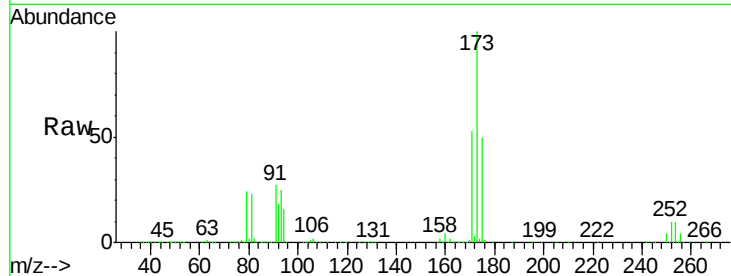
#49
Bromoform
Concen: 11.238 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1825285
Ion Ratio Lower Upper
173 100
175 49.1 39.6 59.4
171 51.7 41.8 62.8

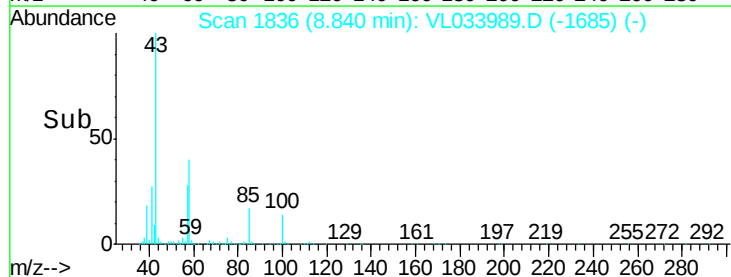
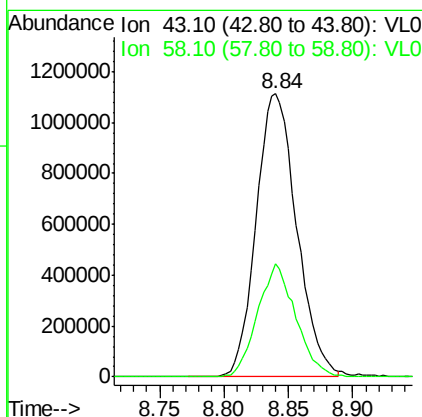
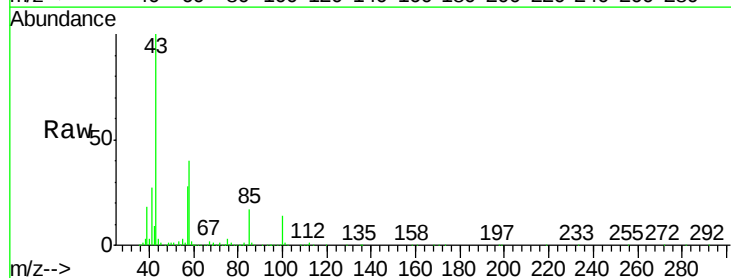
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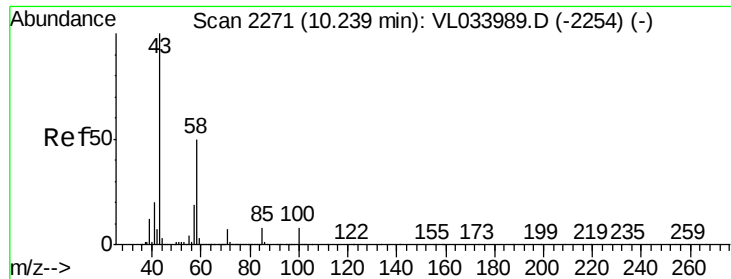
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#50
4-Methyl-2-Pentanone
Concen: 9.928 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 43 Resp: 2432923
Ion Ratio Lower Upper
43 100
58 37.9 28.6 42.8





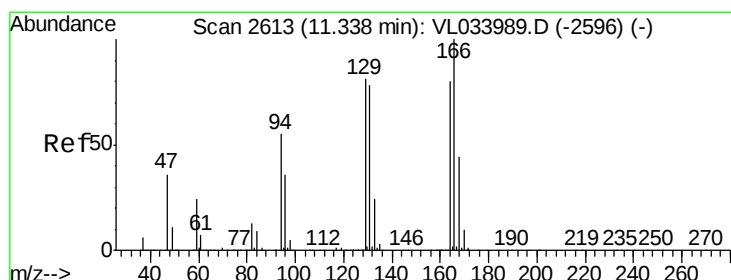
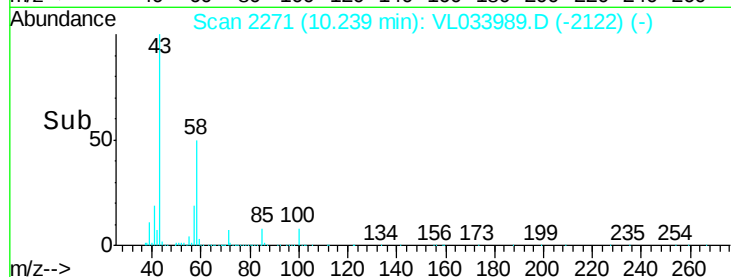
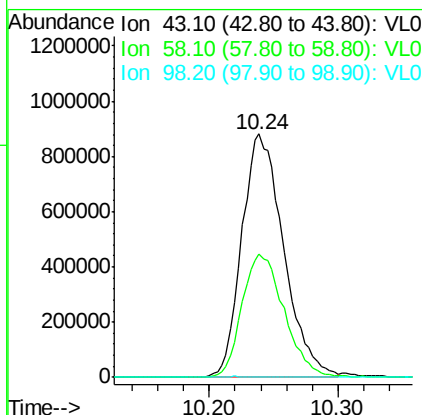
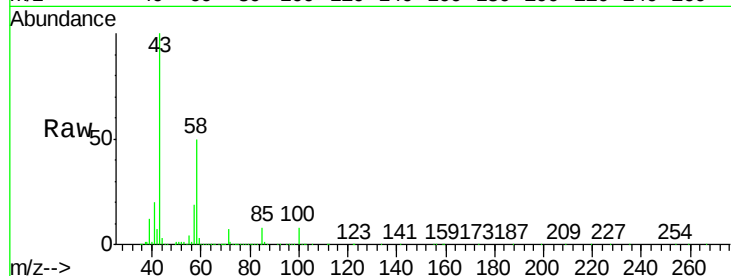
#51
2-Hexanone
Concen: 10.423 ppbv
RT: 10.24 min Scan# 2271
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1994424
Ion Ratio Lower Upper
43 100
58 51.2 38.2 57.4
98 0.2 0.2 0.2

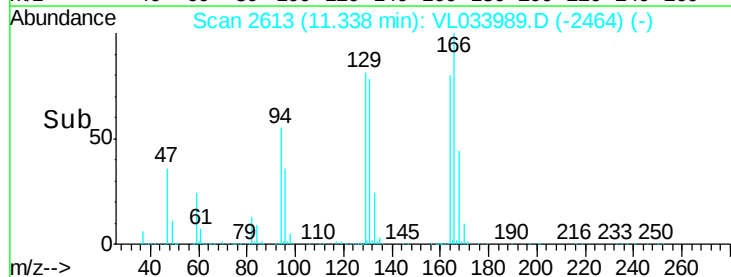
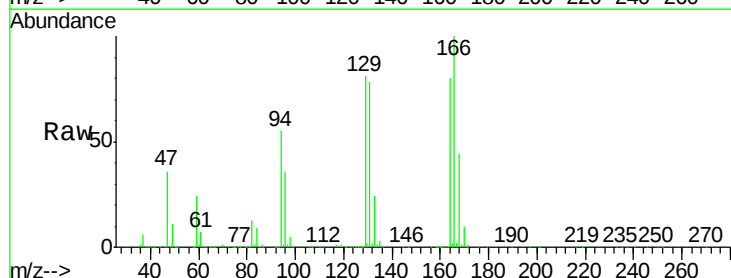
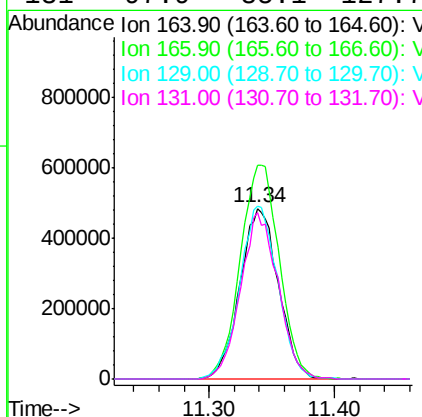
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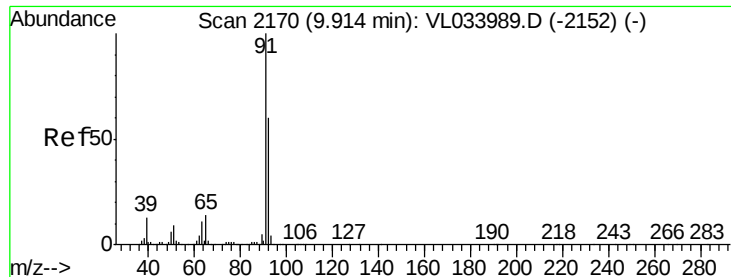
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#52
Tetrachloroethene
Concen: 13.188 ppbv
RT: 11.34 min Scan# 2613
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 164 Resp: 1032574
Ion Ratio Lower Upper
164 100
166 125.2 103.1 154.7
129 101.3 83.9 125.9
131 97.9 85.1 127.7





#53

Toluene

Concen: 12.168 ppbv

RT: 9.91 min Scan# 2170

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2996276

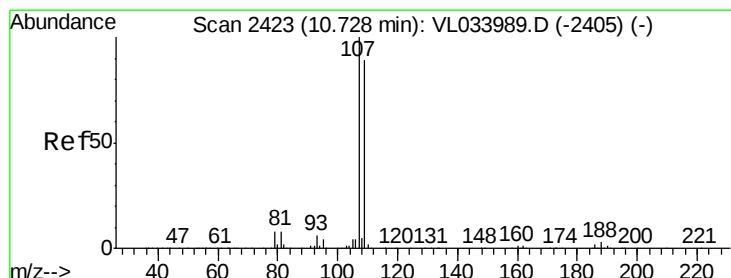
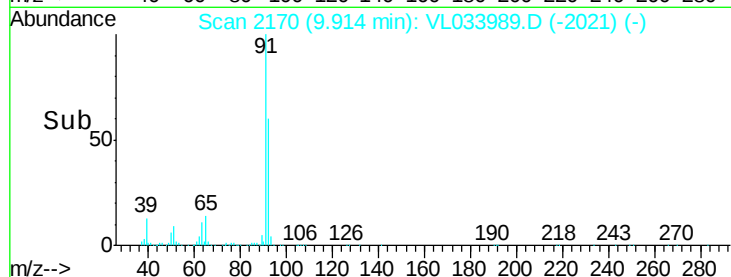
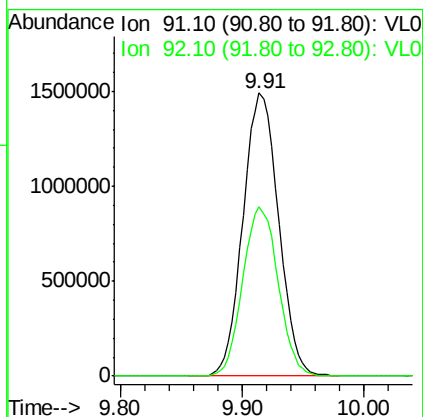
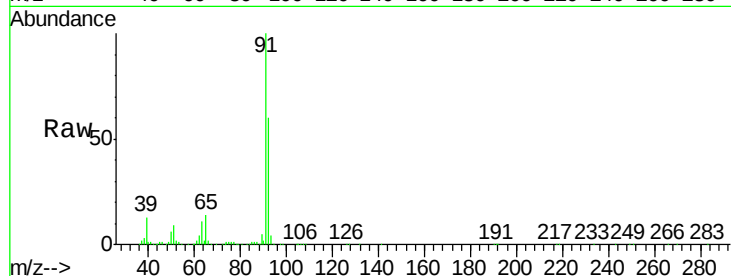
Ion Ratio Lower Upper

91 100

92 59.6 47.0 70.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 10.765 ppbv

RT: 10.73 min Scan# 2423

Delta R.T. -0.02 min

Lab File: VL033989.D

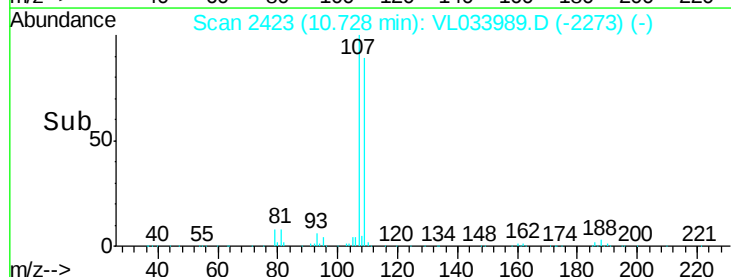
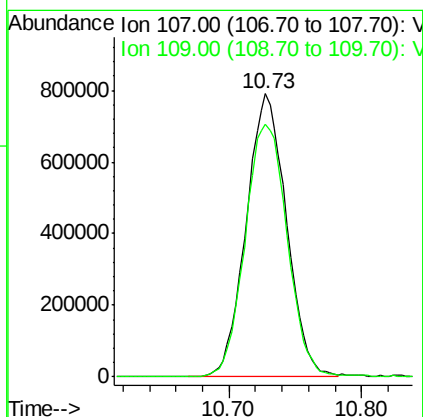
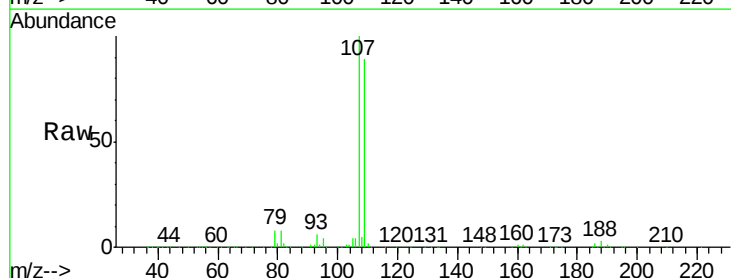
Acq: 2 Jul 2019 13:40

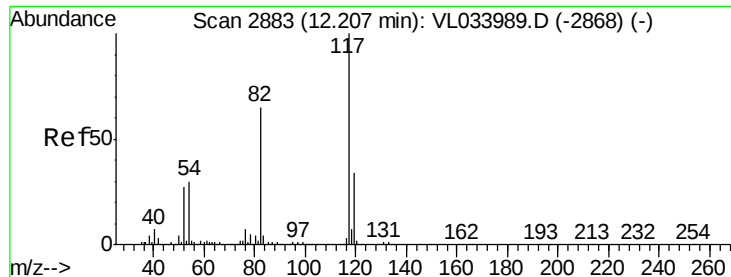
Tgt Ion: 107 Resp: 1661328

Ion Ratio Lower Upper

107 100

109 89.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 3038174

Ion Ratio Lower Upper

117 100

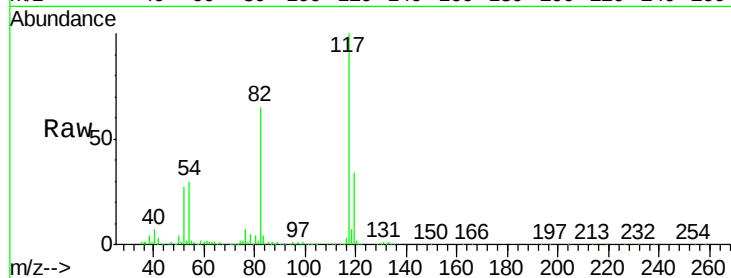
82 63.5 50.2 75.2

119 30.0 24.8 37.2

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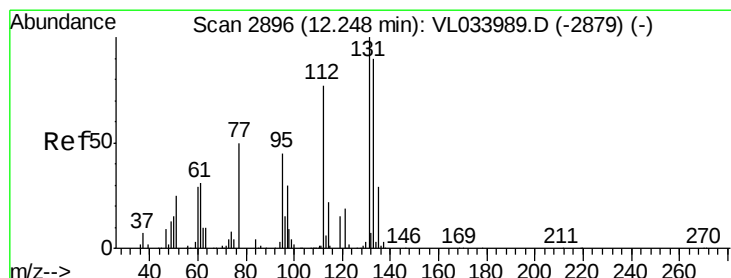
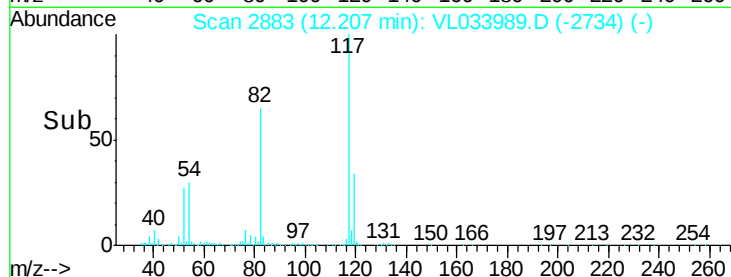
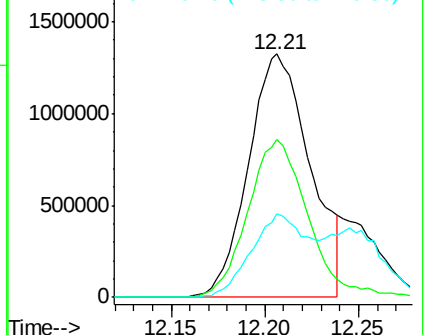
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.860 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

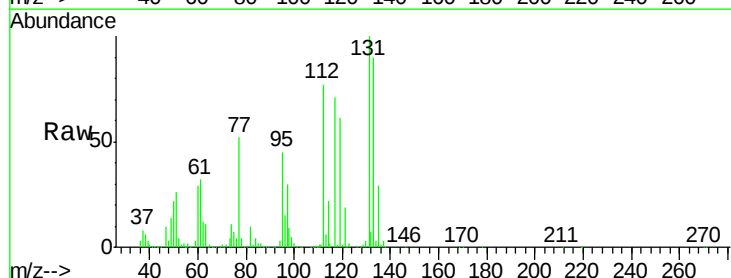
Tgt Ion:131 Resp: 1308672

Ion Ratio Lower Upper

131 100

133 95.2 76.5 114.7

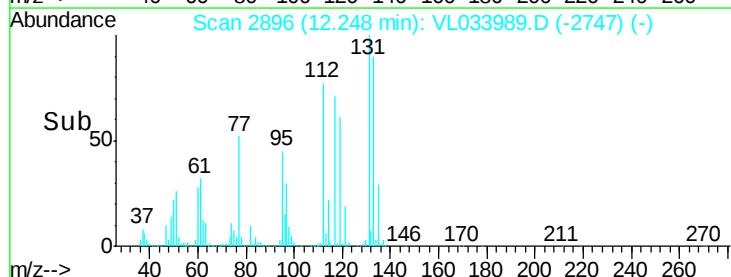
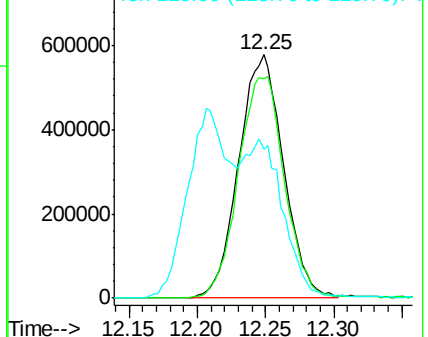
119 53.9 42.6 64.0

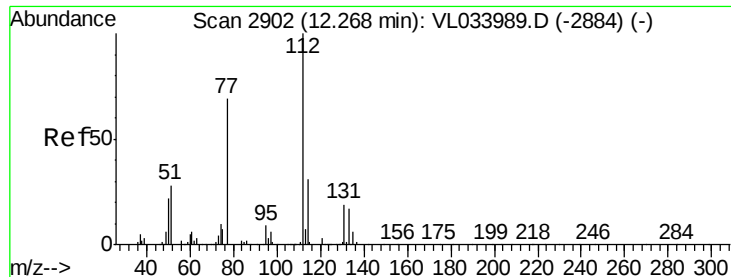


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 10.097 ppbv

RT: 12.27 min Scan# 2902

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 2297580

Ion Ratio Lower Upper

112 100

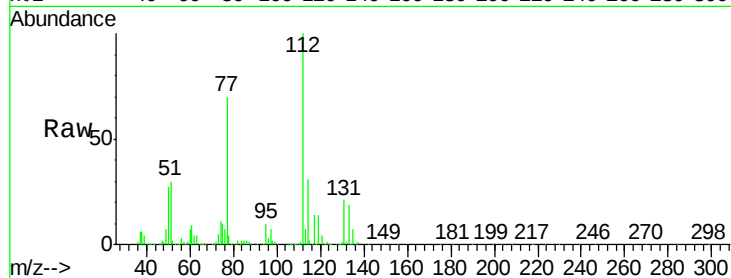
77 69.9 55.8 83.6

114 30.7 29.8 36.4

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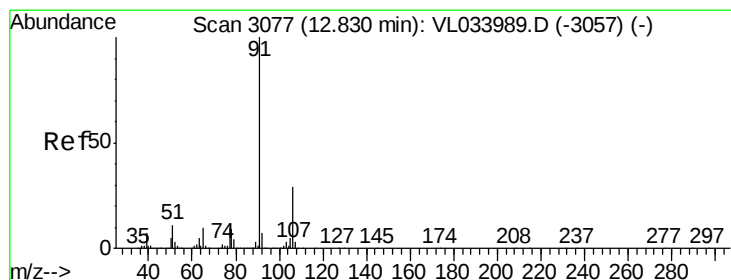
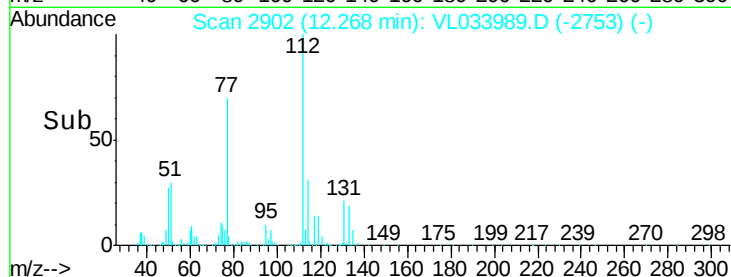
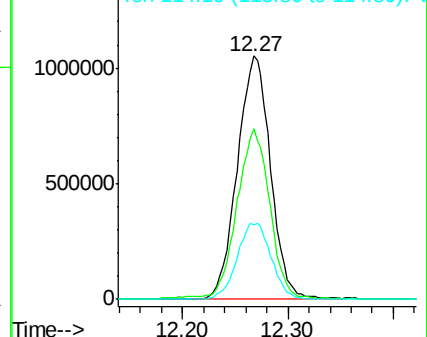
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.780 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.02 min

Lab File: VL033989.D

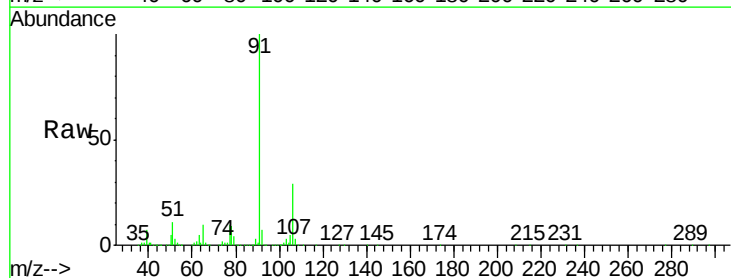
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 4034934

Ion Ratio Lower Upper

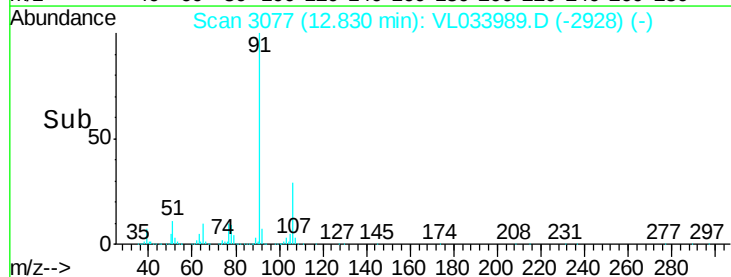
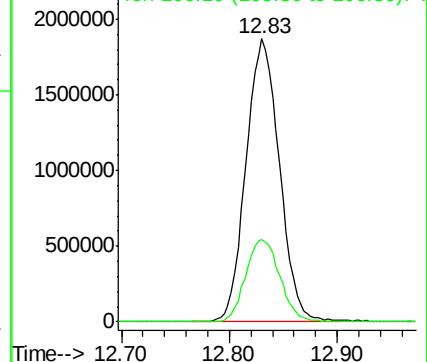
91 100

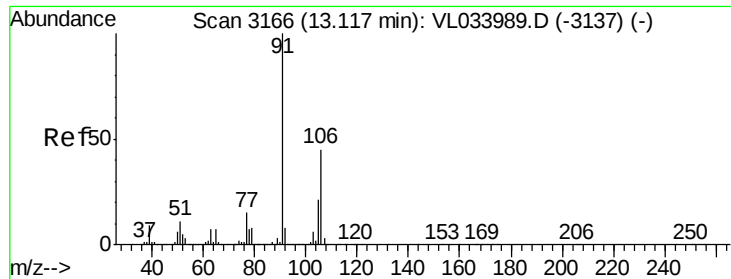
106 29.1 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





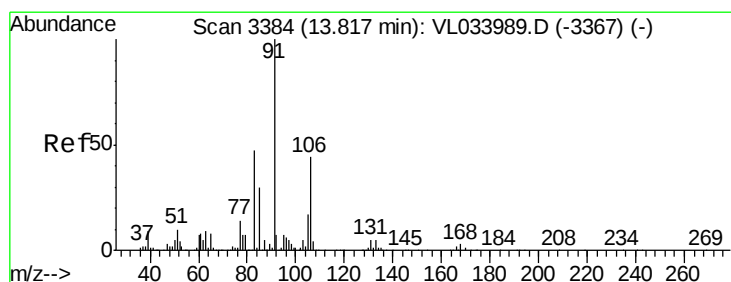
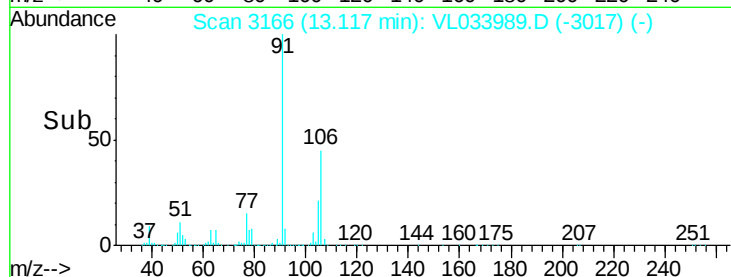
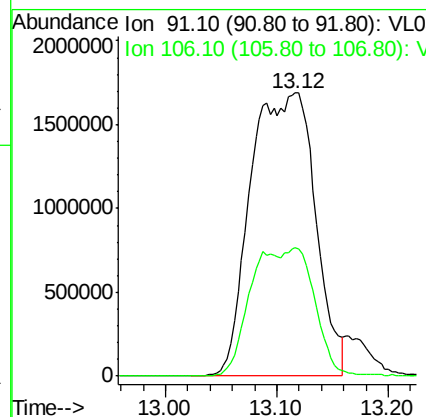
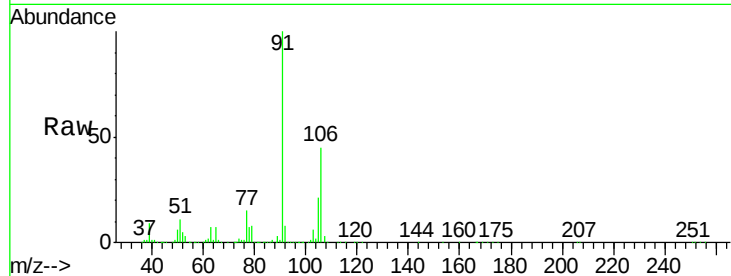
#59
m/p-Xylene
Concen: 21.784 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 6785591
Ion Ratio Lower Upper
91 100
106 44.6 35.8 53.8

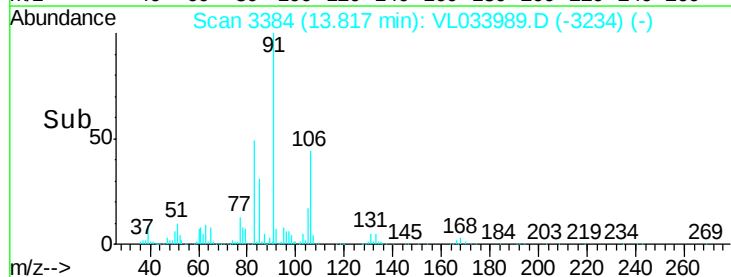
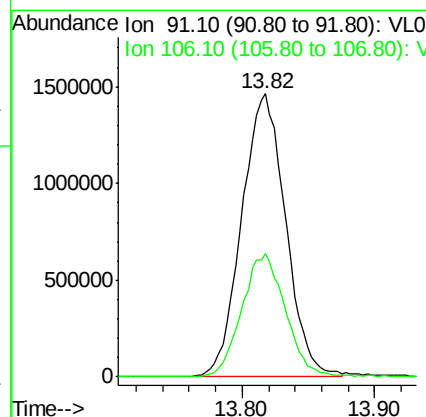
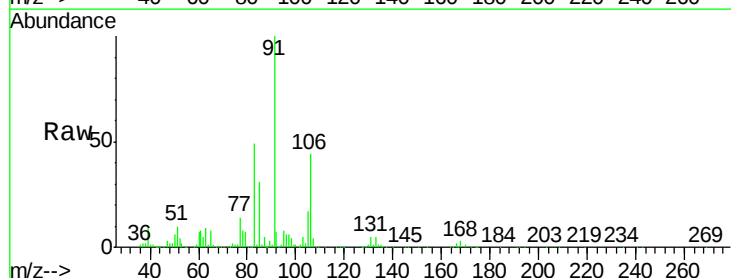
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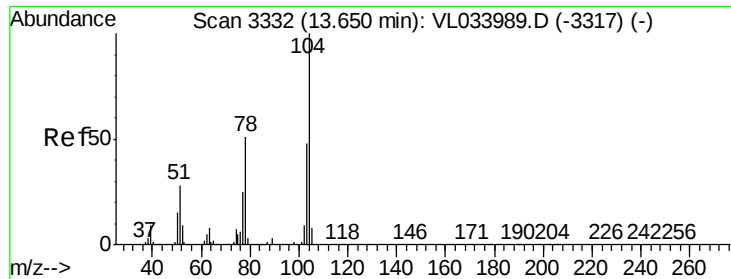
MMDadoda
7/3/2019 11:03:26 PM



#60
o-Xylene
Concen: 10.425 ppbv
RT: 13.82 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 3352791
Ion Ratio Lower Upper
91 100
106 43.8 21.7 65.1





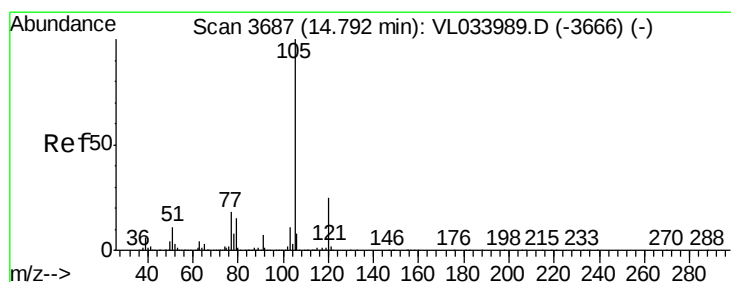
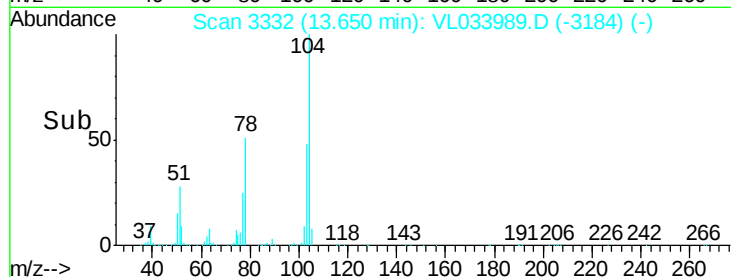
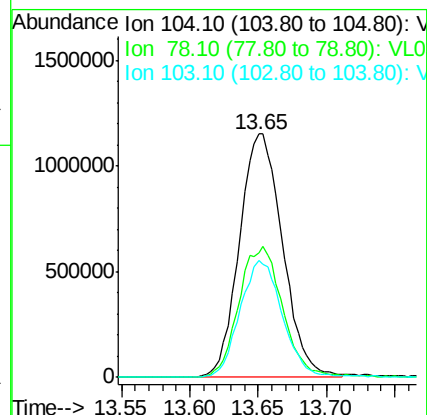
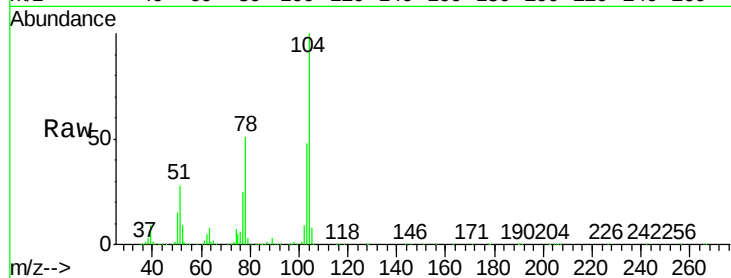
#61
Stvrene
Concen: 12.150 ppbv
RT: 13.65 min Scan# 3332
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.4	65.0
103	47.6	37.6	56.4

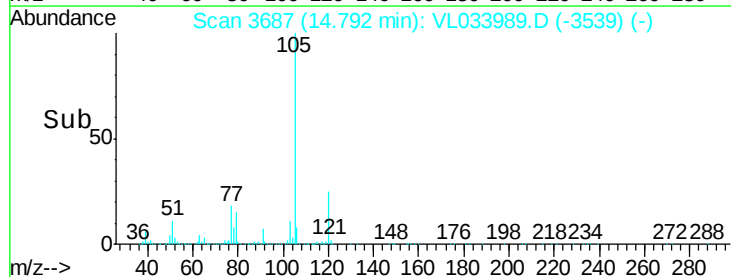
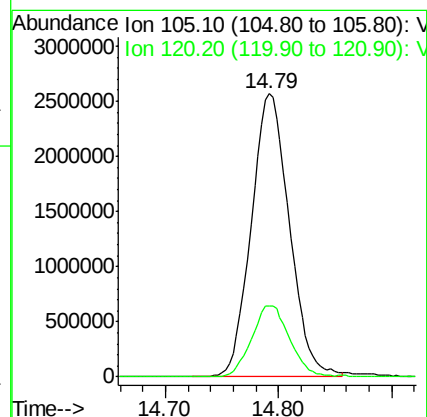
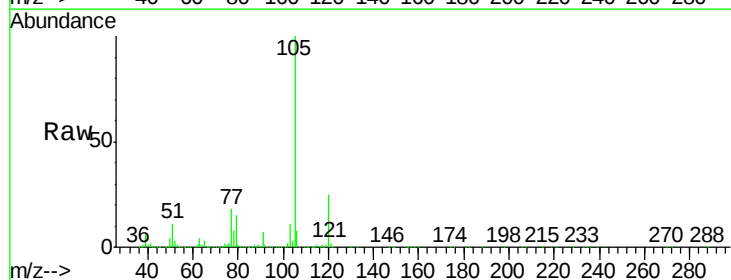
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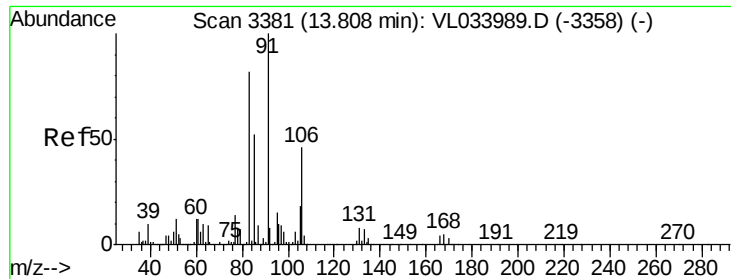
MMDadoda
7/3/2019 11:03:26 PM



#62
Isopropylbenzene
Concen: 13.882 ppbv
RT: 14.79 min Scan# 3687
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.3	30.5





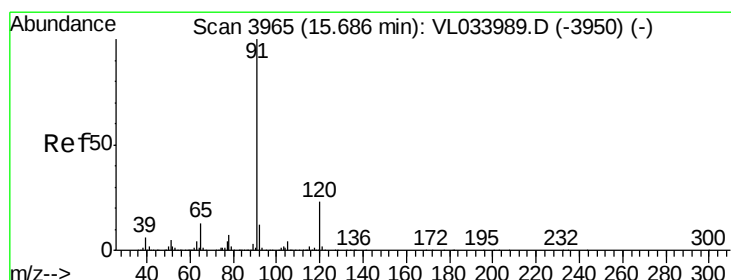
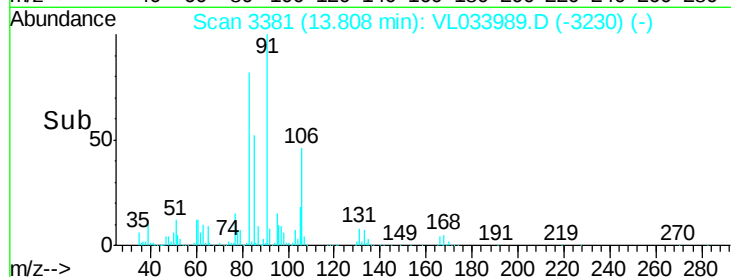
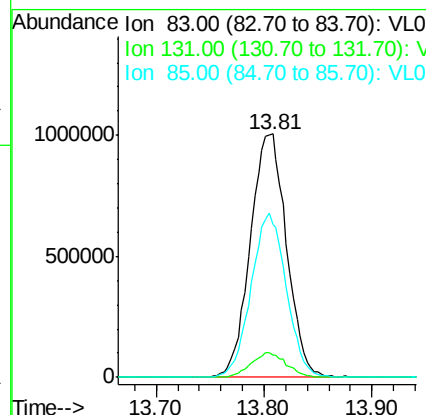
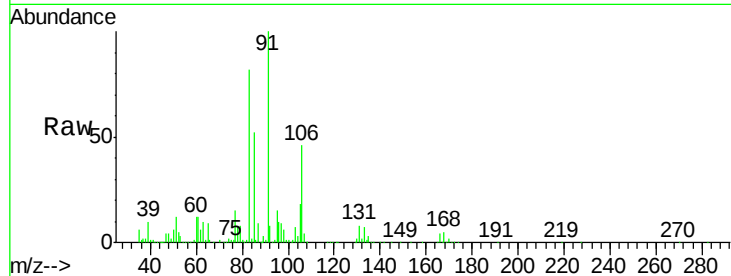
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.703 ppbv
 RT: 13.81 min Scan# 3381
 Delta R.T. -0.01 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 2349070
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.8 14.4
 85 65.5 32.1 96.3

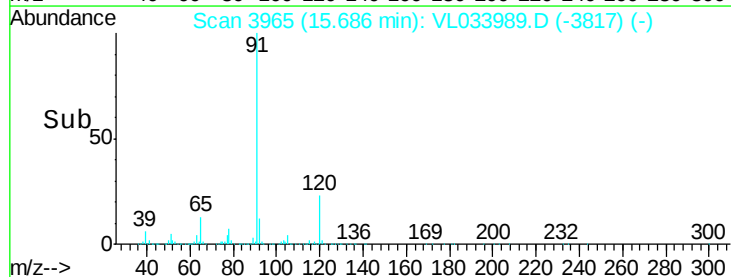
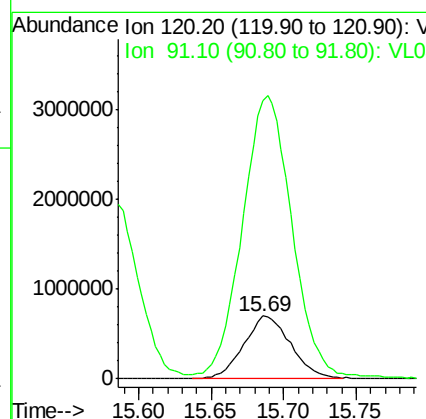
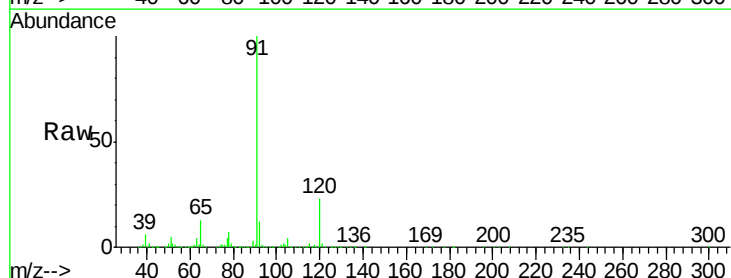
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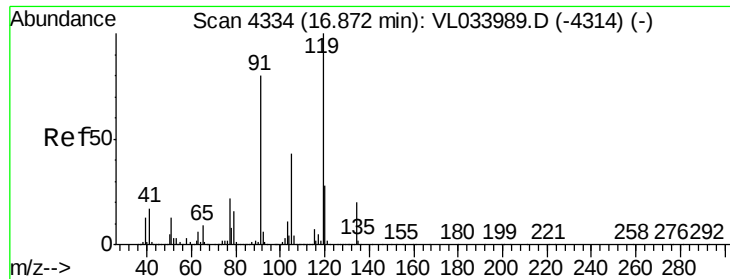
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#64
 n-propylbenzene
 Concen: 14.116 ppbv
 RT: 15.69 min Scan# 3965
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion:120 Resp: 1566880
 Ion Ratio Lower Upper
 120 100
 91 483.2 387.0 580.6





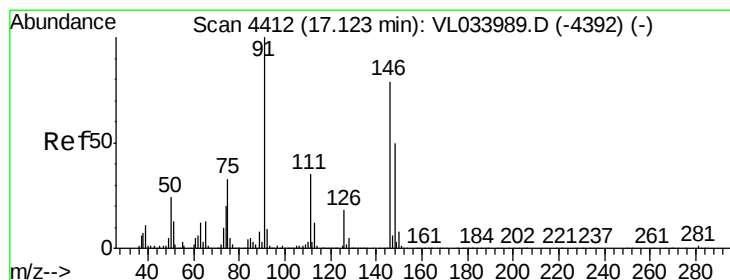
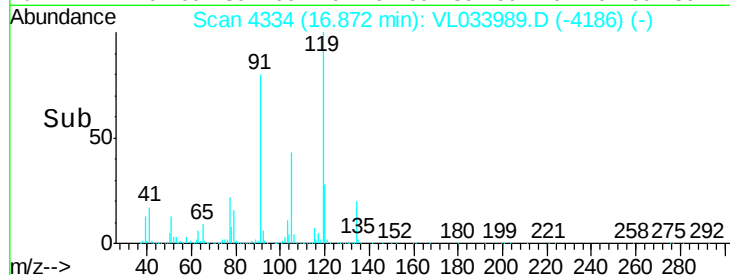
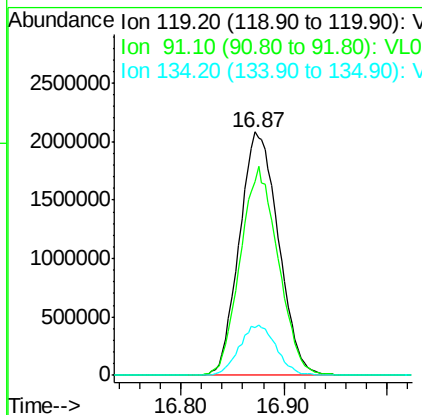
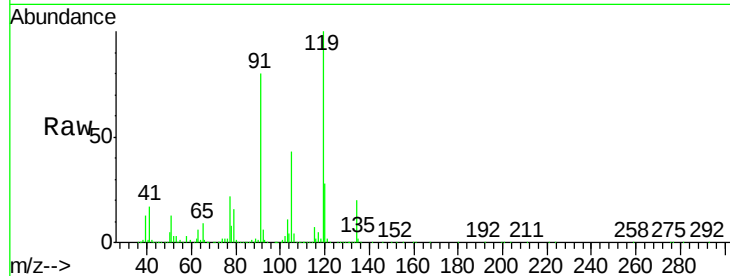
#65
tert-Butylbenzene
Concen: 13.623 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:119 Resp: 5463716
Ion Ratio Lower Upper
119 100
91 83.8 66.6 100.0
134 19.7 15.5 23.3

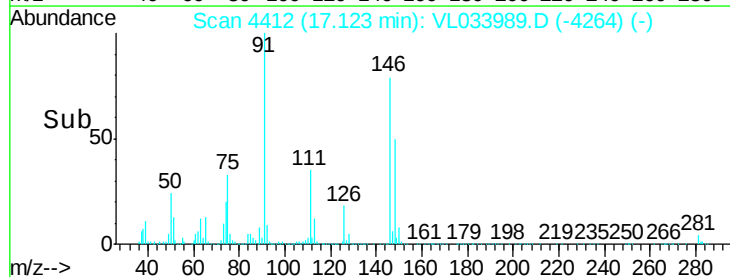
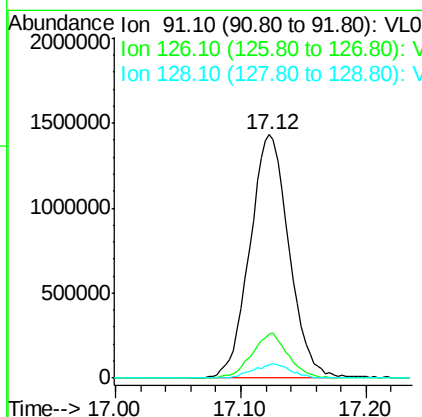
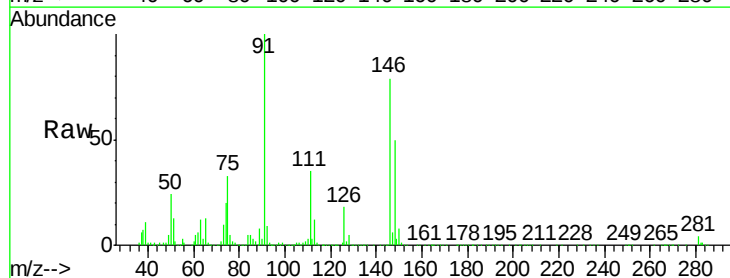
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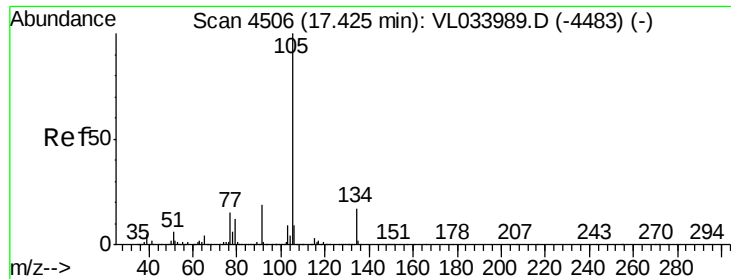
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#66
Benzyl Chloride
Concen: 15.226 ppbv
RT: 17.12 min Scan# 4412
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 3094781
Ion Ratio Lower Upper
91 100
126 17.4 13.8 20.6
128 5.8 4.4 6.6





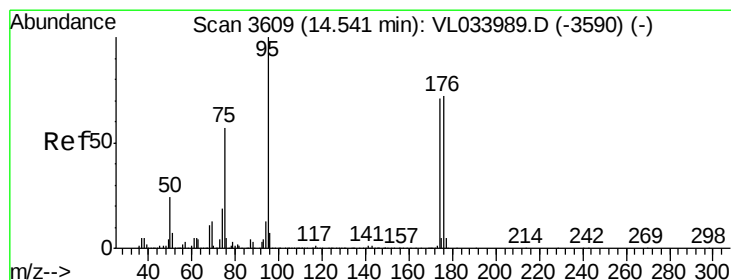
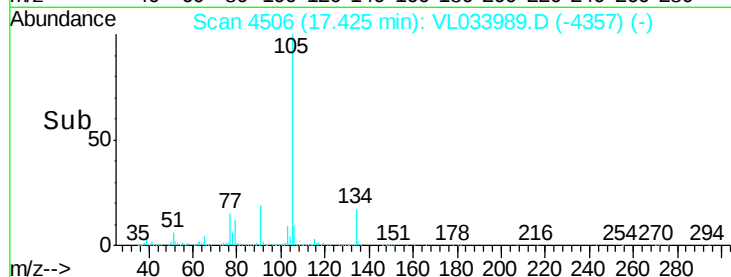
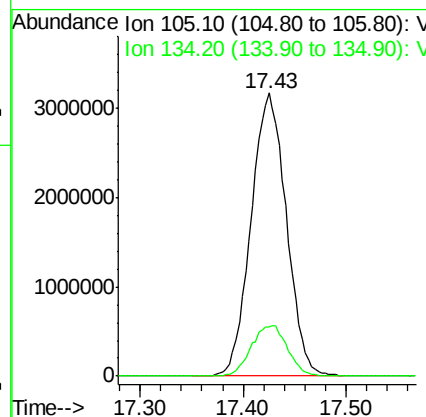
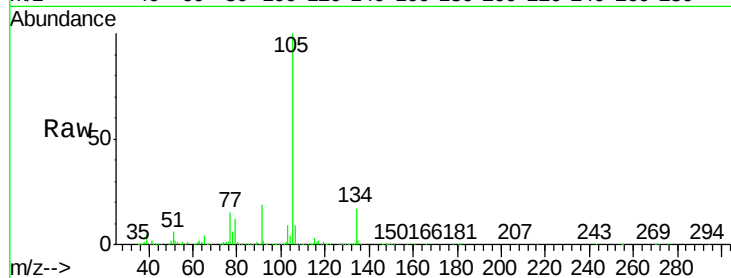
#67
 sec-Butylbenzene
 Concen: 13.362 ppbv
 RT: 17.43 min Scan# 4506
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 7518331
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 22.0

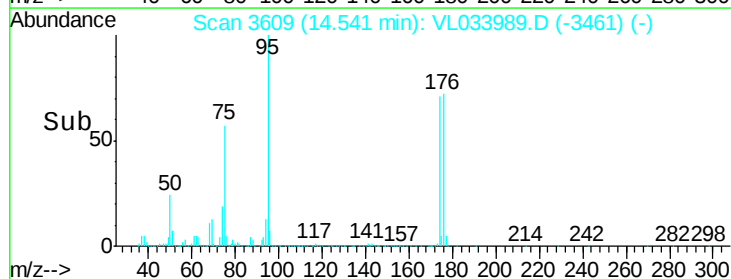
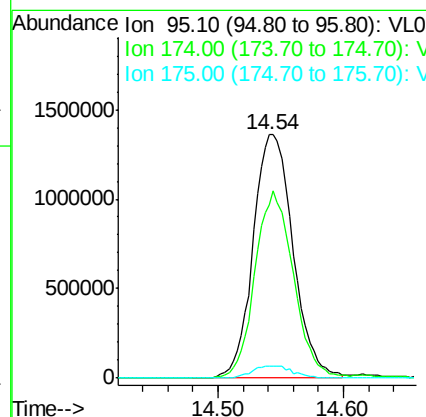
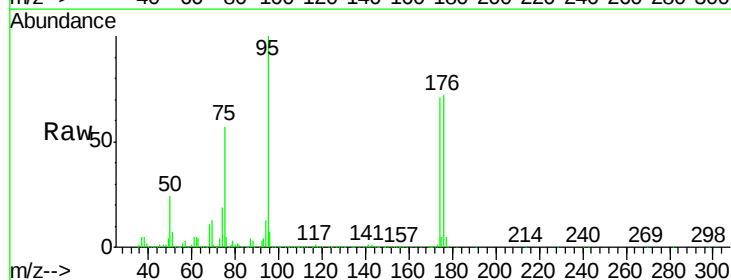
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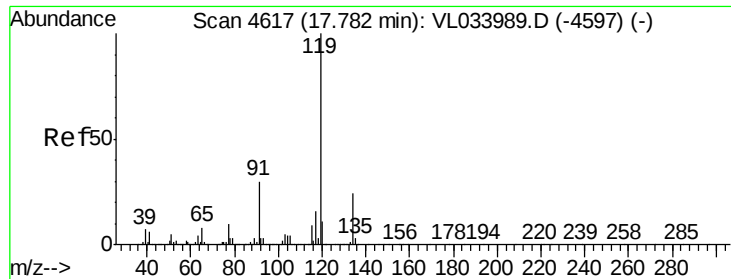
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.063 ppbv
 RT: 14.54 min Scan# 3609
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion: 95 Resp: 3010246
 Ion Ratio Lower Upper
 95 100
 174 75.6 54.0 81.0
 175 5.0 3.8 5.8





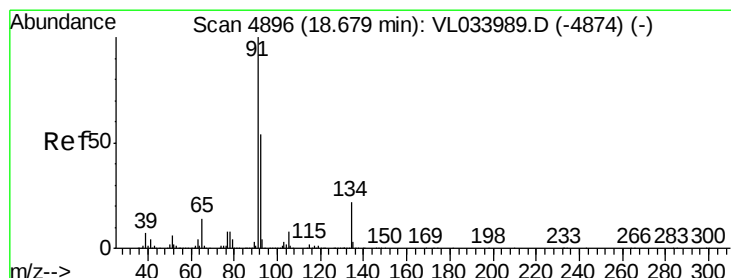
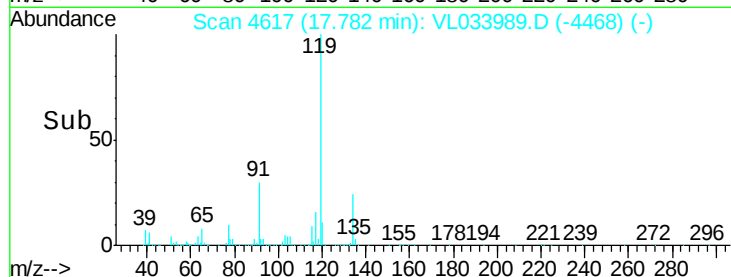
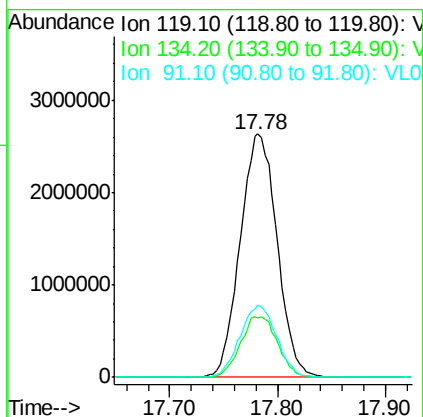
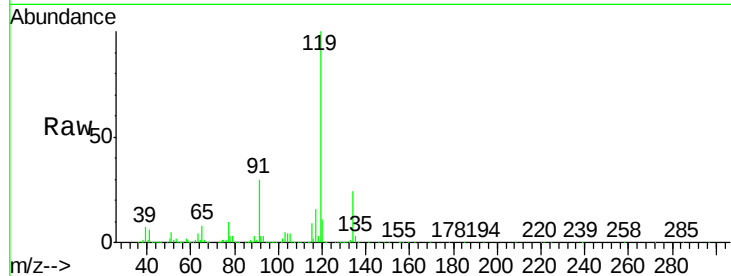
#69
p-Isopropyltoluene
Concen: 13.356 ppbv
RT: 17.78 min Scan# 4617
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.5	23.8	35.6

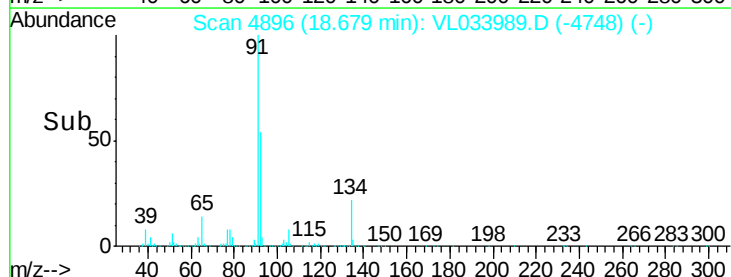
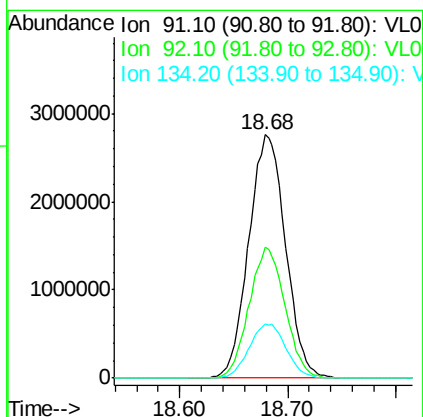
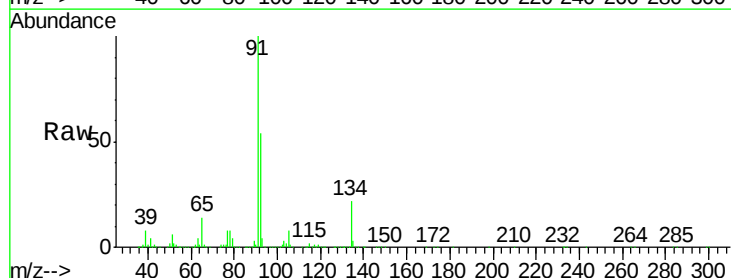
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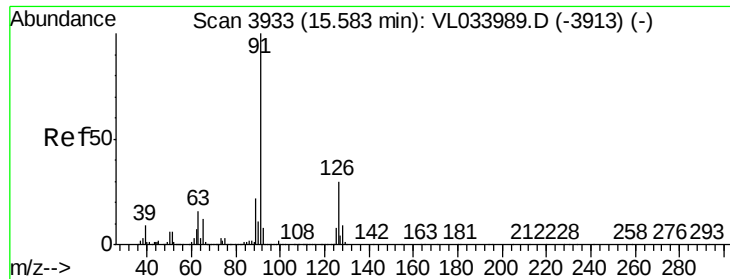
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#70
n-Butylbenzene
Concen: 12.723 ppbv
RT: 18.68 min Scan# 4896
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.5	63.7
134	22.4	17.8	26.6





#71

2-Chlorotoluene

Concen: 14.443 ppbv

RT: 15.58 min Scan# 3933

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 4612311

Ion Ratio Lower Upper

91 100

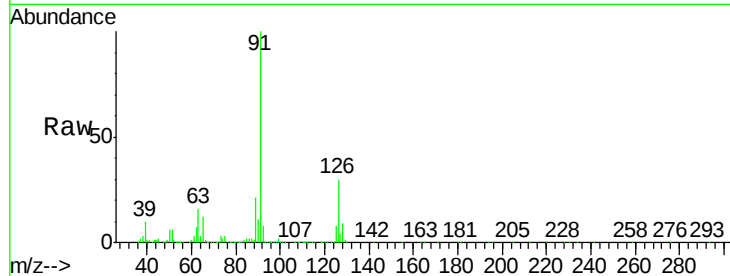
126 30.8 12.0 48.2

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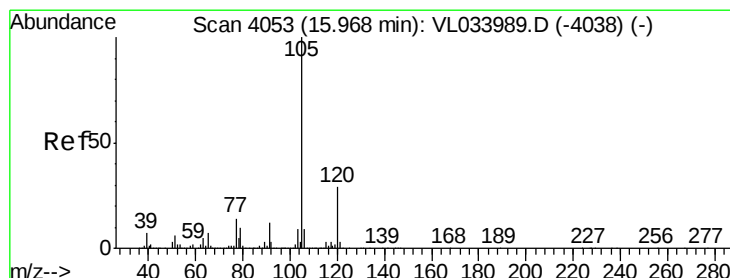
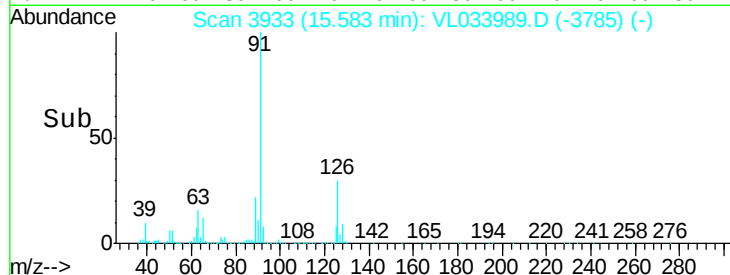
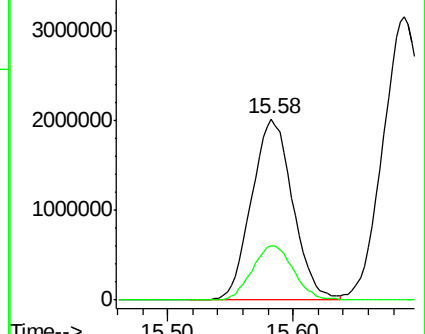
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 14.183 ppbv

RT: 15.97 min Scan# 4053

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Tgt Ion:105 Resp: 5190529

Ion Ratio Lower Upper

105 100

120 30.1 23.5 35.3

91 13.3 10.4 15.6

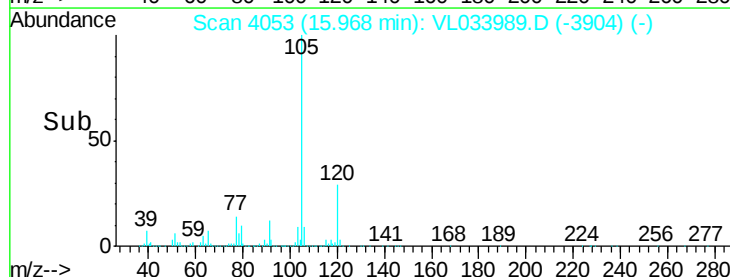
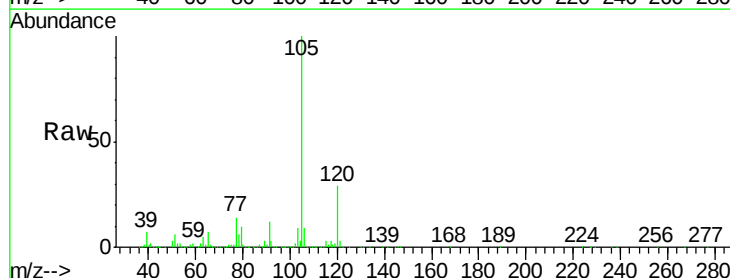
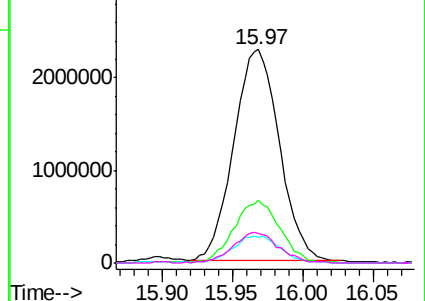
77 14.4 11.7 17.5

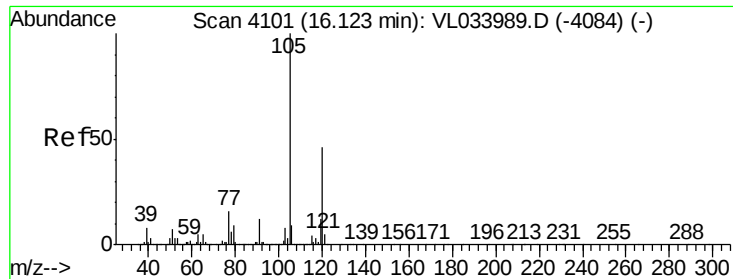
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 14.082 ppbv

RT: 16.12 min Scan# 4101

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5076509

Ion Ratio Lower Upper

105 100

120 45.5

120 45.5

37.1

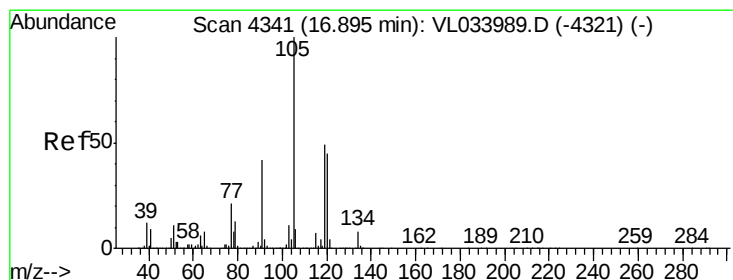
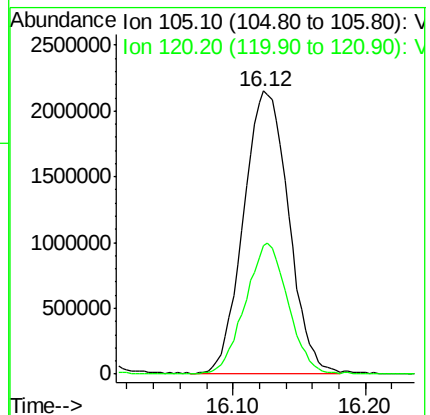
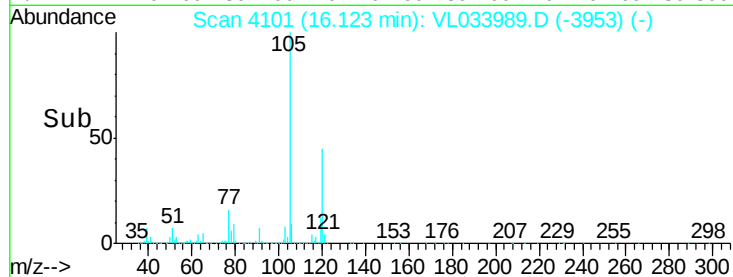
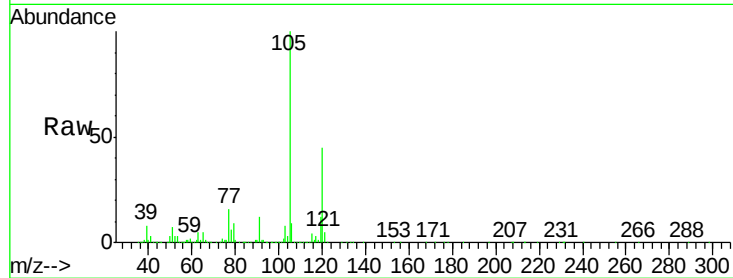
55.7

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#74

1,2,4-Trimethylbenzene

Concen: 12.826 ppbv

RT: 16.89 min Scan# 4341

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Tgt Ion:105 Resp: 5329208

Ion Ratio Lower Upper

105 100

120 45.2

91 42.9

77 21.4

36.7

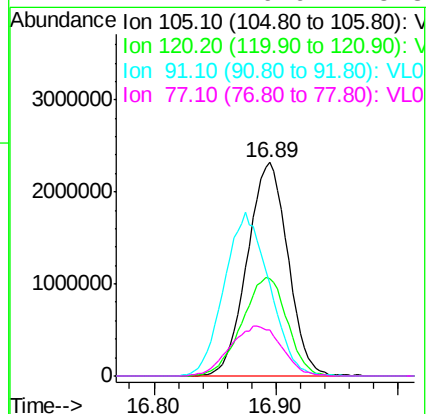
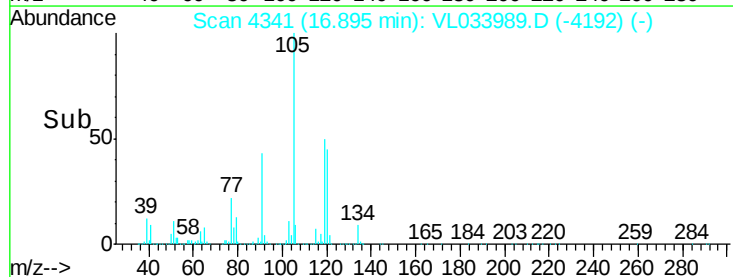
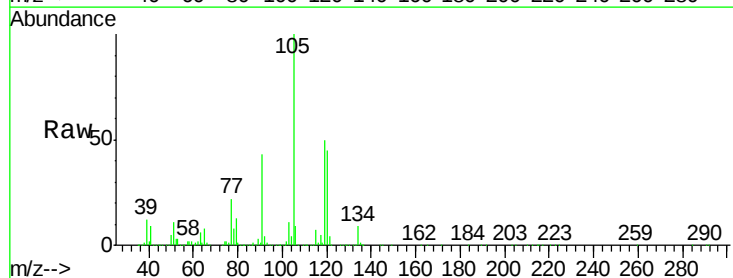
55.1

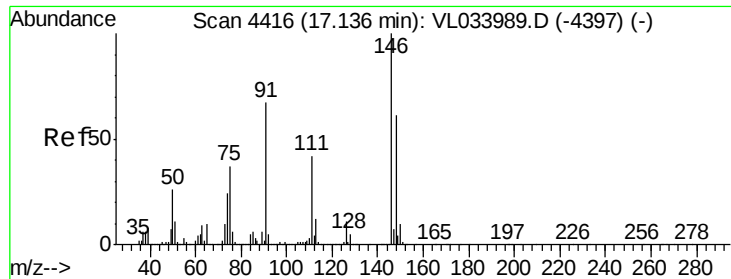
35.8

53.8

16.9

25.3





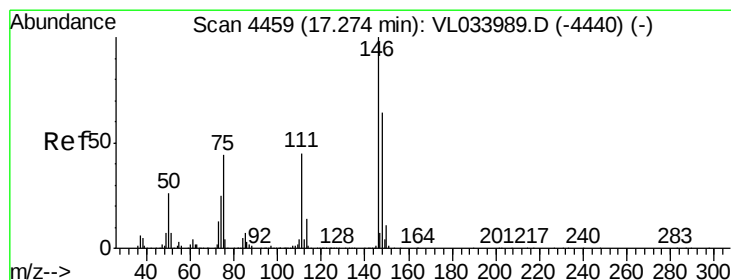
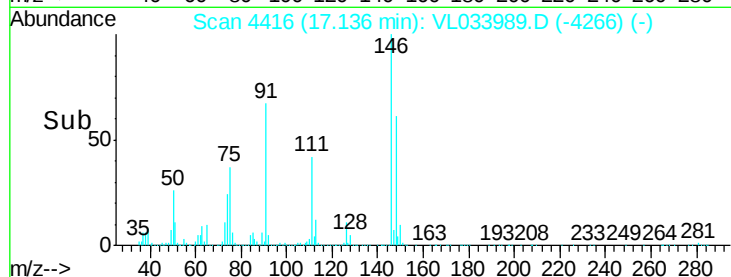
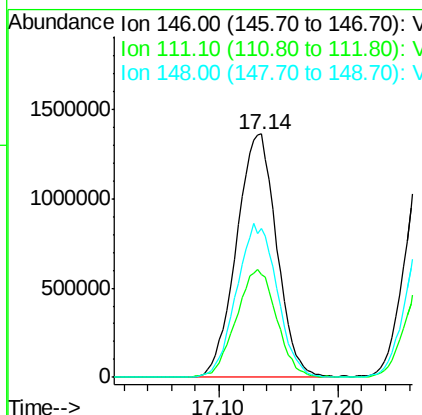
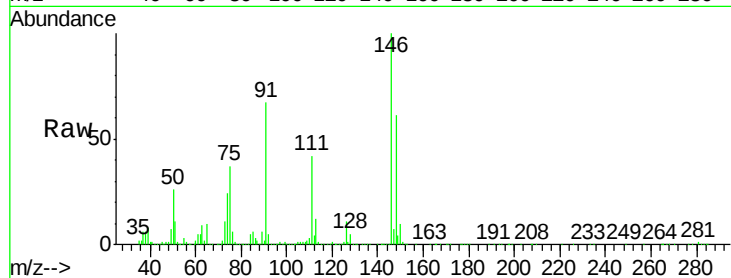
#75
 1,3-Dichlorobenzene
 Concen: 12.240 ppbv
 RT: 17.14 min Scan# 4416
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 3184850
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.8 68.3
 148 64.1 32.2 96.6

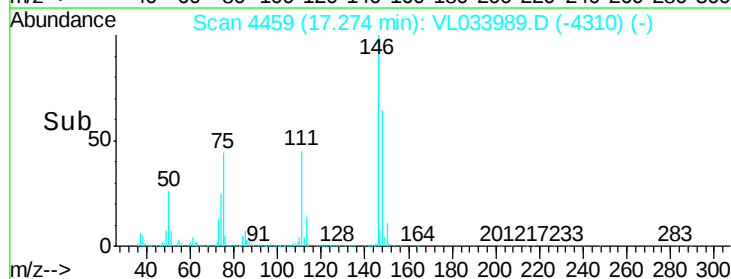
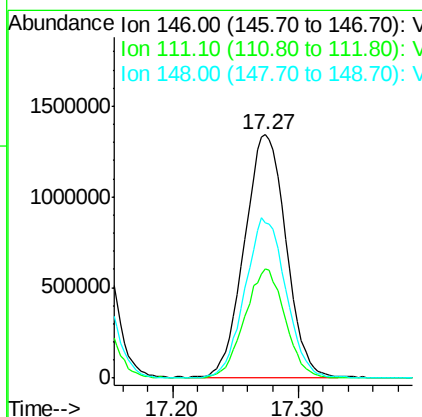
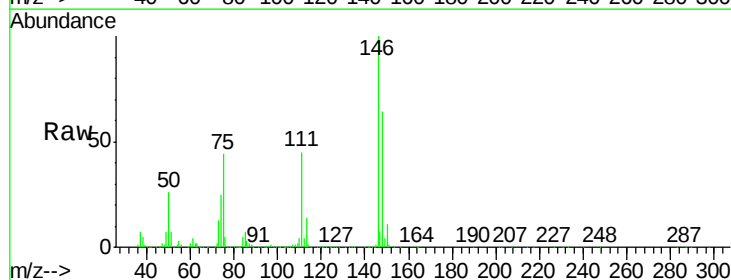
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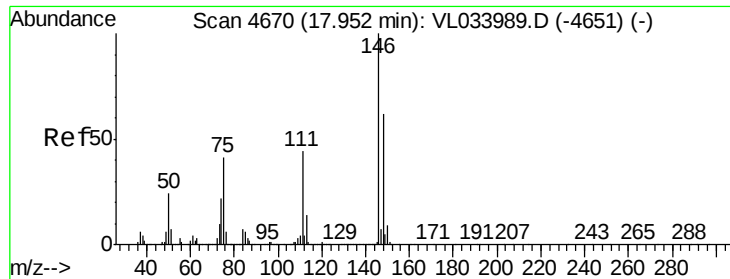
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#76
 1,4-Dichlorobenzene
 Concen: 12.939 ppbv
 RT: 17.27 min Scan# 4459
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion:146 Resp: 3091337
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.5
 148 65.0 32.4 97.0





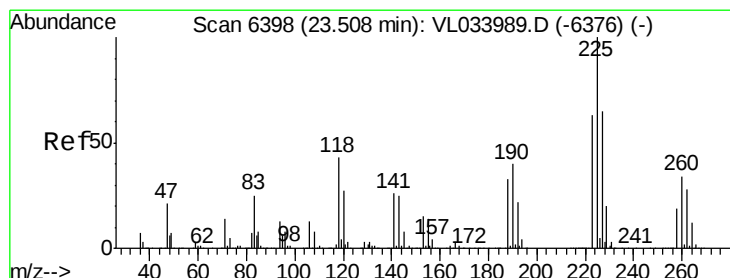
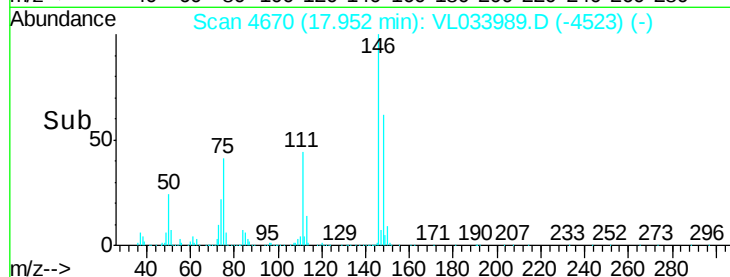
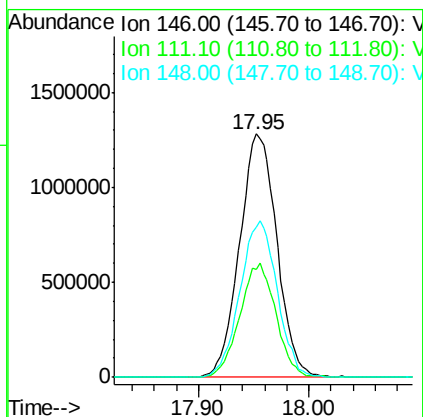
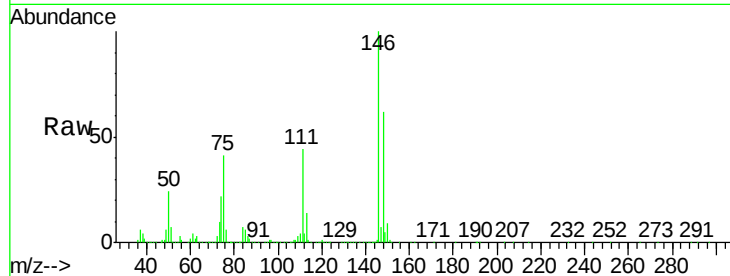
#77
 1,2-Dichlorobenzene
 Concen: 12.508 ppbv
 RT: 17.95 min Scan# 4670
 Delta R.T. -0.03 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 3003404
 Ion Ratio Lower Upper
 146 100
 111 45.4 23.4 70.0
 148 64.2 31.8 95.4

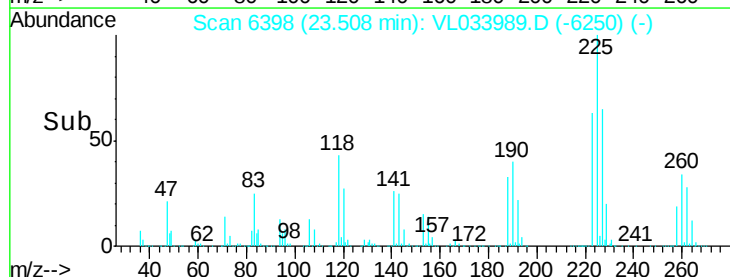
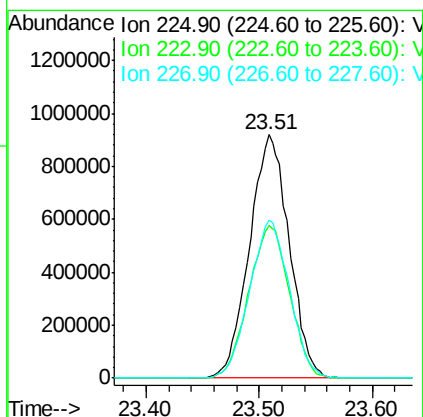
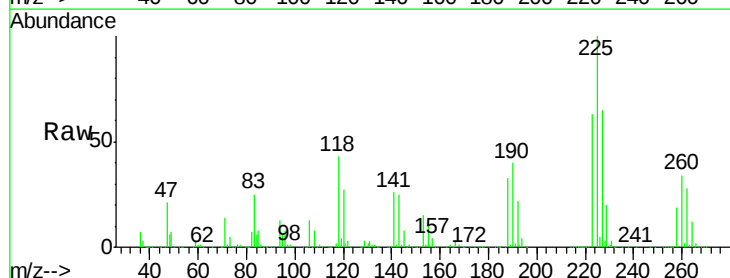
Manual Integrations
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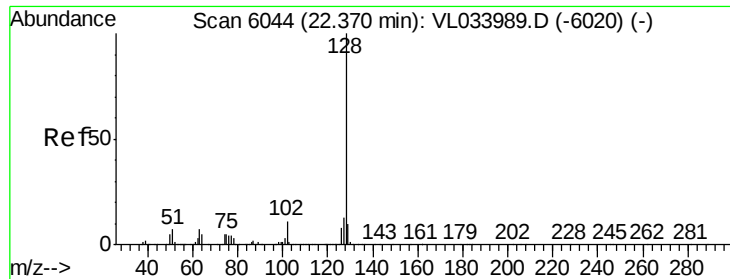
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.930 ppbv
 RT: 23.51 min Scan# 6398
 Delta R.T. -0.02 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Tgt Ion:225 Resp: 2237526
 Ion Ratio Lower Upper
 225 100
 223 64.4 50.8 76.2
 227 65.1 51.8 77.6





#79

Naphthalene

Concen: 14.328 ppbv

RT: 22.37 min Scan# 6044

Delta R.T. -0.02 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 4758556

Ion Ratio Lower Upper

128 100

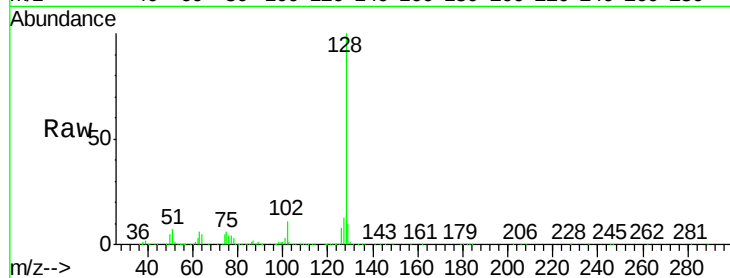
127 13.2 9.7 14.5

129 10.4 8.6 12.8

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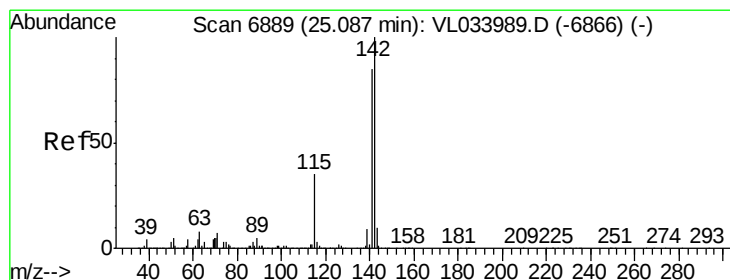
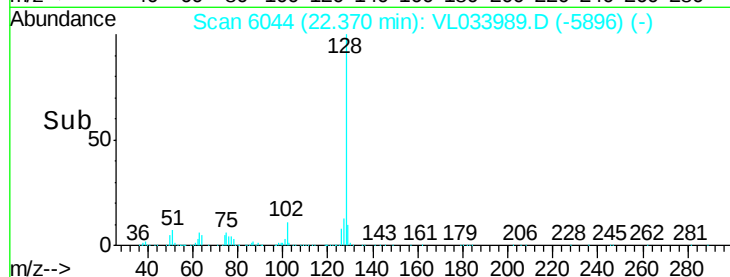
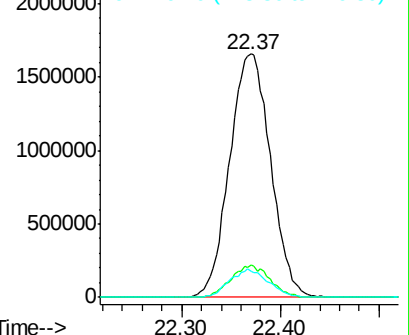
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.294 ppbv

RT: 25.09 min Scan# 6889

Delta R.T. -0.01 min

Lab File: VL033989.D

Acq: 2 Jul 2019 13:40

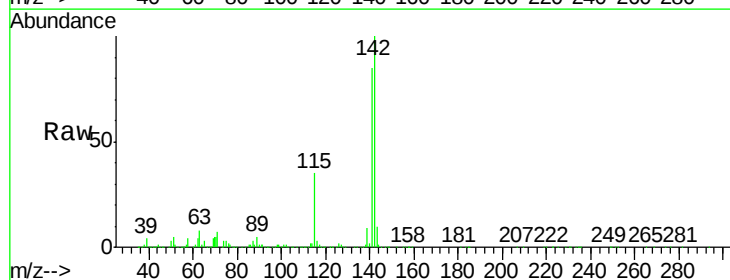
Tgt Ion:142 Resp: 1629060

Ion Ratio Lower Upper

142 100

141 85.2 65.7 98.5

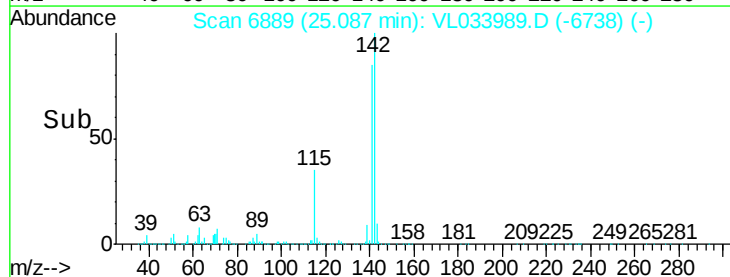
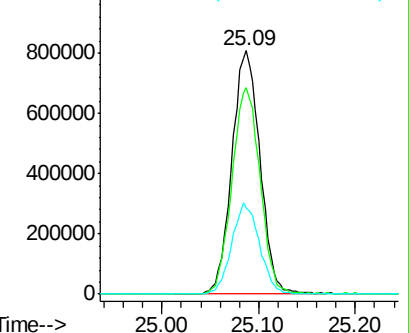
115 37.4 28.9 43.3

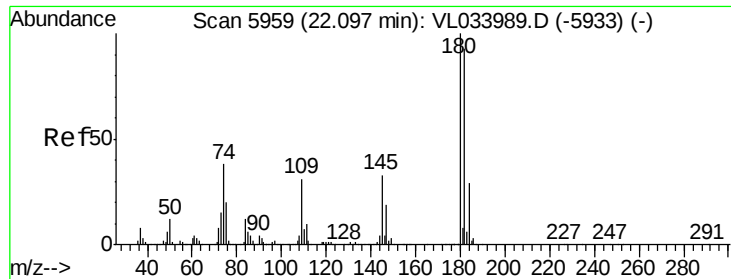


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





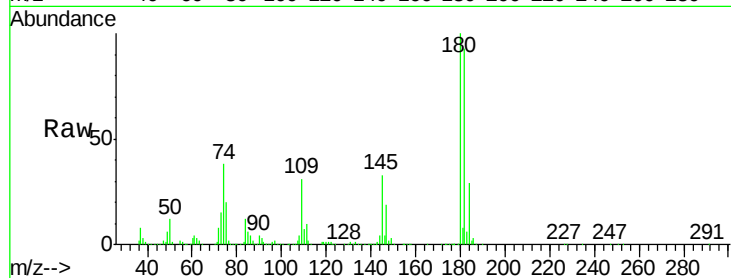
#81
 1,2,4-Trichlorobenzene
 Concen: 13.588 ppbv
 RT: 22.10 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL033989.D
 Acq: 2 Jul 2019 13:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
184	30.7	24.5	36.7

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

