

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034171.D
 Acq On : 17 Sep 2019 4:51
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:54 AM

Quant Time: Sep 17 06:08:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 17 2019
 QLast Update : Tue Sep 17 05:58:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1334626	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2260462	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2389349	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	2008380	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	500233	2.363	ppbv	93
3) Chlorodifluoromethane	2.98	51	323809	2.145	ppbv	97
4) Chloromethane	3.13	50	184710	1.987	ppbv	97
5) Vinyl Chloride	3.25	62	166163	1.960	ppbv	92
6) Bromomethane	3.47	94	79377	1.919	ppbv	98
7) Chloroethane	3.56	64	57520	1.985	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	371147	2.101	ppbv	98
9) Propene	3.00	41	160829	1.951	ppbv	100
10) Heptane	8.18	43	428008	1.991	ppbv	98
11) Trichlorofluoromethane	3.96	101	386993	2.153	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	245497	2.055	ppbv	98
13) Ethanol	3.61	45	43877m	2.730	ppbv	
14) Bromoethene	3.74	108	100046	1.940	ppbv	100
15) Acetone	3.85	43	394640	2.449	ppbv	99
16) 1,3-Butadiene	3.32	39	170673	2.101	ppbv	94
17) tert-Butyl alcohol	4.31	59	174124	1.499	ppbv	100
18) 1,1-Dichloroethene	4.30	96	110099	2.028	ppbv	97
19) Isopropyl Alcohol	3.98	45	174280	1.616	ppbv #	97
20) Methylene Chloride	4.36	84	110278	2.090	ppbv	93
21) Allyl Chloride	4.42	41	209569	1.982	ppbv	98
22) trans-1,2-Dichloroethene	4.91	96	102853	1.886	ppbv	97
23) Vinyl Acetate	5.10	43	573878	2.116	ppbv	98
24) 1,1-Dichloroethane	5.03	63	375079	2.075	ppbv	98
25) Ethyl Acetate	5.71	43	729550	2.073	ppbv	98
26) Hexane	5.72	57	308713	1.974	ppbv	98
27) Carbon Disulfide	4.57	76	274300	1.954	ppbv	97
28) Methyl tert-Butyl Ether	5.06	73	440578	1.944	ppbv	98
29) Chloroform	5.78	83	426238	2.020	ppbv	96
30) Cyclohexane	7.18	84	210622	1.884	ppbv	85
31) cis-1,2-Dichloroethene	5.58	61	298184	1.989	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	384910	1.929	ppbv	99
34) 2-Butanone	5.27	43	493620	2.234	ppbv	100
35) Carbon Tetrachloride	7.06	117	388436	2.175	ppbv	96
36) Benzene	6.94	78	532567	2.063	ppbv	96
37) 1,2-Dichloroethane	6.35	62	377568	2.309	ppbv	100
38) Trichloroethene	7.89	130	185003	1.912	ppbv	96
39) 1,2-Dichloropropane	7.66	63	234060m	2.099	ppbv	
40) 1,4-Dioxane	7.90	88	72033m	1.783	ppbv	
41) Tetrahydrofuran	6.10	42	280401m	2.131	ppbv	
42) Bromodichloromethane	7.85	83	460769	2.201	ppbv	99
43) Methyl Methacrylate	8.07	69	223566	2.097	ppbv	98

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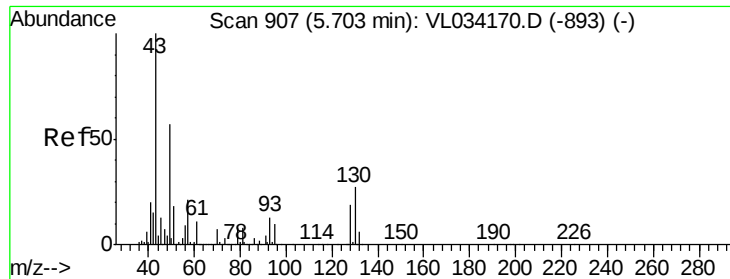
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 QLast Update : Tue Sep 17 05:58:04 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	1052093	2.186	ppbv	98
45) t-1,3-Dichloropropene	9.34	75	258103	2.048	ppbv	96
46) cis-1,3-Dichloropropene	8.77	75	318527	2.080	ppbv	94
47) 1,1,2-Trichloroethane	9.54	97	213453	2.113	ppbv	95
48) Dibromochloromethane	10.37	129	342654	2.243	ppbv	99
49) Bromoform	13.12	173	283772	2.140	ppbv	99
50) 4-Methyl-2-Pentanone	8.81	43	730016	2.170	ppbv	97
51) 2-Hexanone	10.21	43	639950	2.206	ppbv #	95
52) Tetrachloroethene	11.30	164	165903	1.824	ppbv	94
53) Toluene	9.87	91	592063	2.071	ppbv	98
54) 1,2-Dibromoethane	10.69	107	319460	2.115	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	230078	2.220	ppbv #	1
57) Chlorobenzene	12.23	112	438655	2.127	ppbv	98
58) Ethyl Benzene	12.79	91	833001	2.122	ppbv	99
59) m/p-Xylene	13.07	91	1406343m	4.391	ppbv	
60) o-Xylene	13.77	91	710683m	2.225	ppbv	
61) Styrene	13.61	104	509794	2.146	ppbv	98
62) Isopropylbenzene	14.75	105	915672	2.203	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.76	83	520672	1.997	ppbv	100
64) n-propylbenzene	15.65	120	224906m	2.157	ppbv	
65) tert-Butylbenzene	16.83	119	802464	2.232	ppbv	99
66) Benzyl Chloride	17.08	91	262649	2.020	ppbv	98
67) sec-Butylbenzene	17.39	105	1162062	2.244	ppbv	98
69) p-Isopropyltoluene	17.74	119	943944	2.277	ppbv	99
70) n-Butylbenzene	18.64	91	1099349	2.321	ppbv	97
71) 2-Chlorotoluene	15.54	91	742868	2.187	ppbv	99
72) 4-Ethyltoluene	15.93	105	799114	2.214	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	783706	2.235	ppbv	100
74) 1,2,4-Trimethylbenzene	16.85	105	817739	2.257	ppbv #	91
75) 1,3-Dichlorobenzene	17.09	146	427629	2.227	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	437047	2.176	ppbv	98
77) 1,2-Dichlorobenzene	17.91	146	438952	2.236	ppbv	98
78) Hexachloro-1,3-Butadiene	23.47	225	299972	2.264	ppbv	98
79) Naphthalene	22.32	128	747924	2.307	ppbv #	94
80) Naphthalene, 2-methyl-	25.06	142	359863	3.278	ppbv	98
81) 1,2,4-Trichlorobenzene	22.05	180	402947m	2.275	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1334626

Ion Ratio Lower Upper

49 100

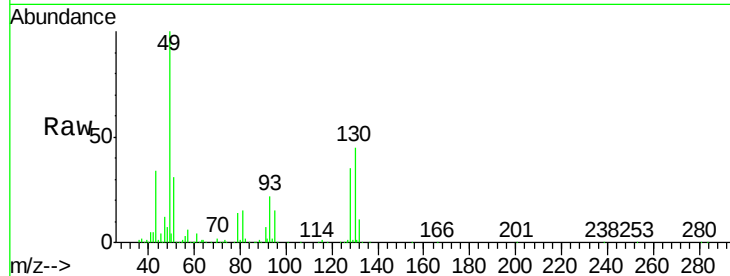
128 35.2 17.6 52.9

130 44.8 22.3 66.9

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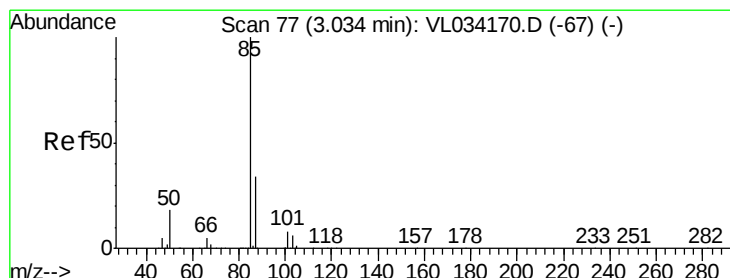
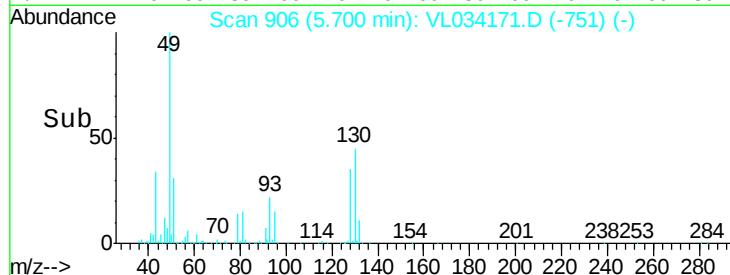
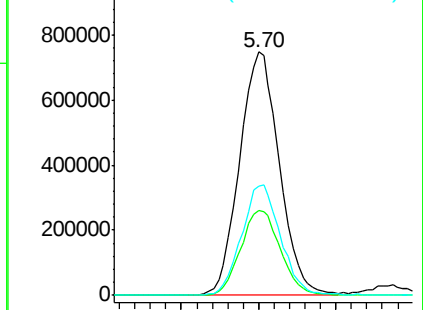
9/20/2019 12:43:54 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 2.363 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL034171.D

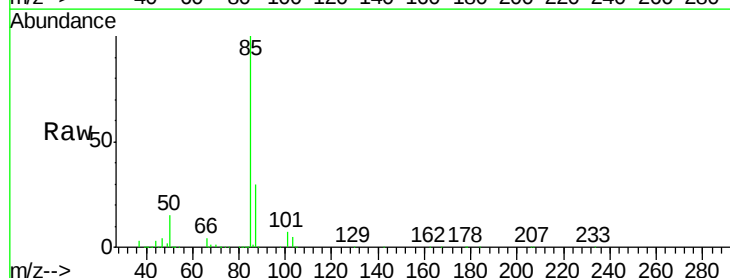
Acq: 17 Sep 2019 4:51

Tgt Ion: 85 Resp: 500233

Ion Ratio Lower Upper

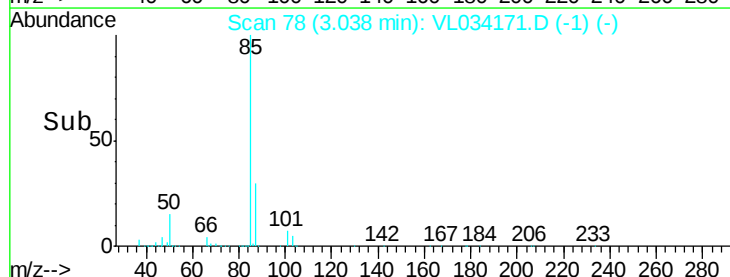
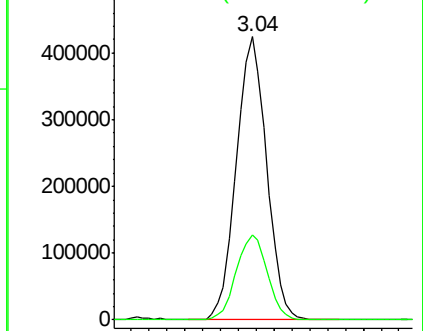
85 100

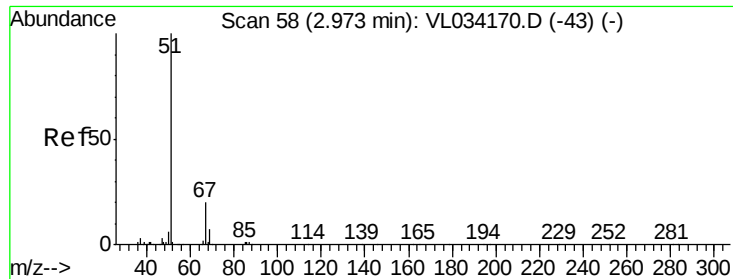
87 29.9 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.145 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Tot Ion: 51 Resp: 323809

Ion Ratio Lower Upper

51 100

67 17.3 14.8 22.2

Instrument :

MSVOA_L

ClientSampleId :

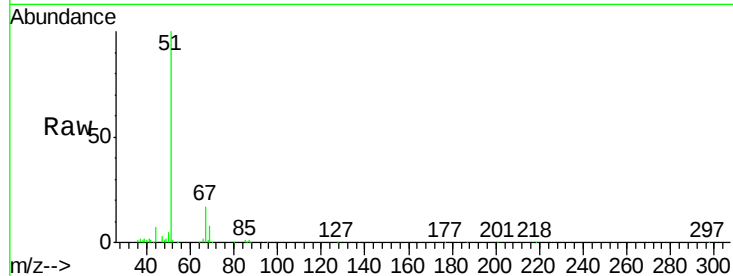
VSTDIC002

Manual Integrations

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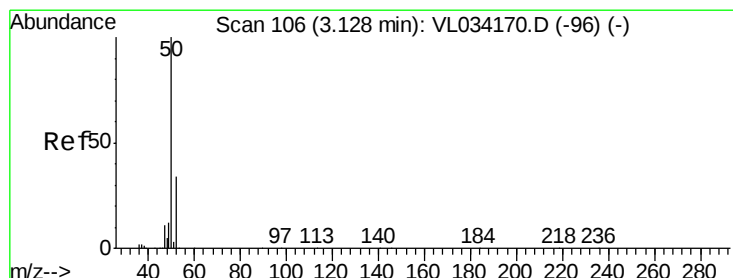
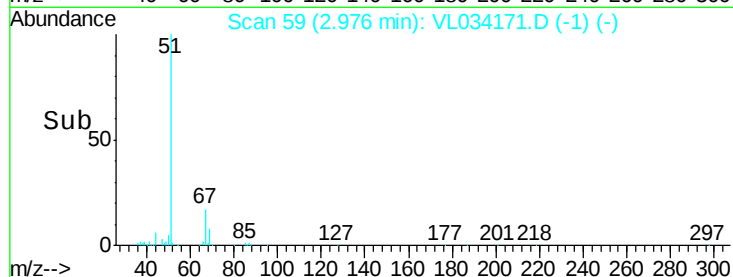
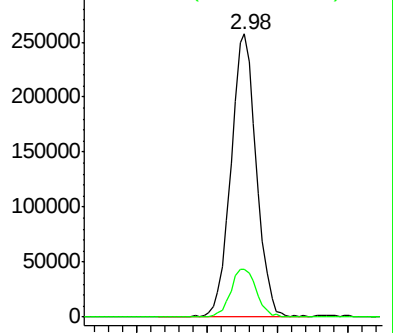
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.987 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL034171.D

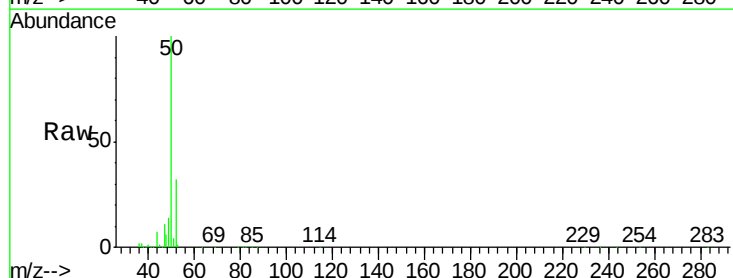
Acq: 17 Sep 2019 4:51

Tgt Ion: 50 Resp: 184710

Ion Ratio Lower Upper

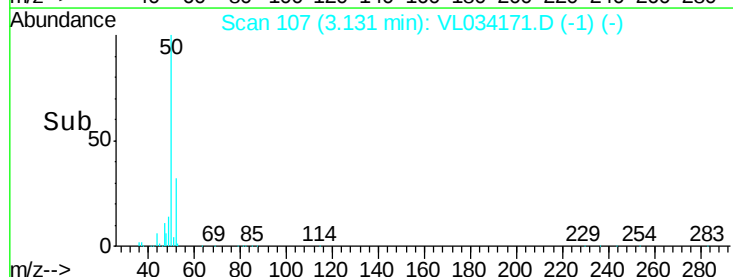
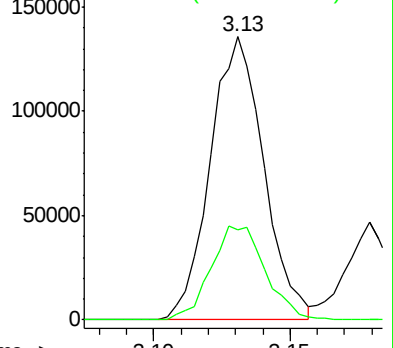
50 100

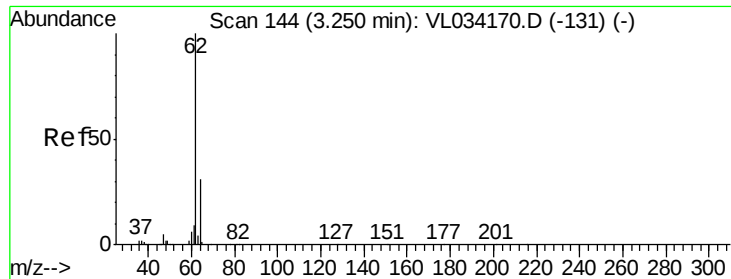
52 32.4 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.960 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 62 Resp: 166163

Ion Ratio Lower Upper

62 100

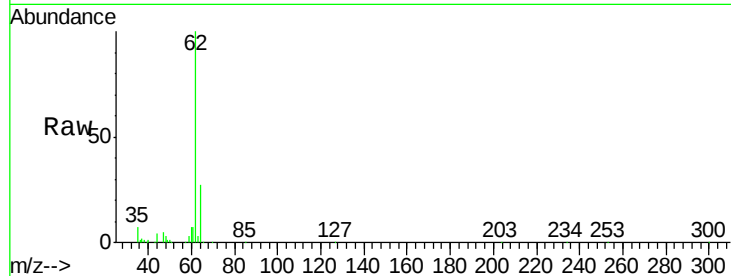
64 27.2 25.2 37.8

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

150000

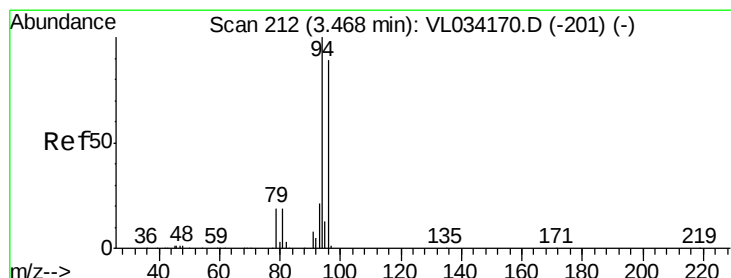
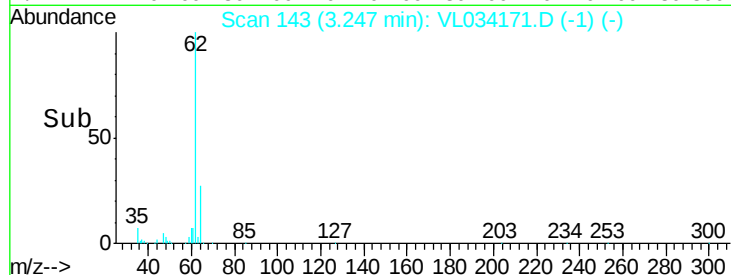
100000

50000

0

3.20 3.25 3.30

Time-->



#6

Bromomethane

Concen: 1.919 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL034171.D

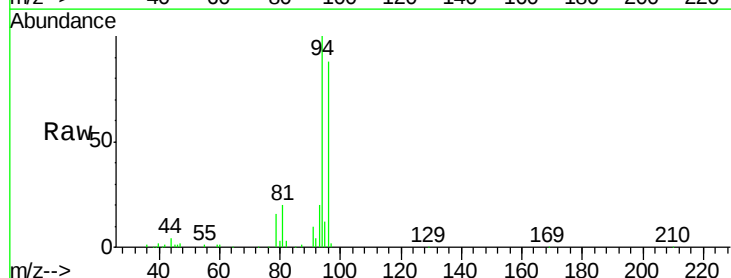
Acq: 17 Sep 2019 4:51

Tgt Ion: 94 Resp: 79377

Ion Ratio Lower Upper

94 100

96 86.9 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

60000

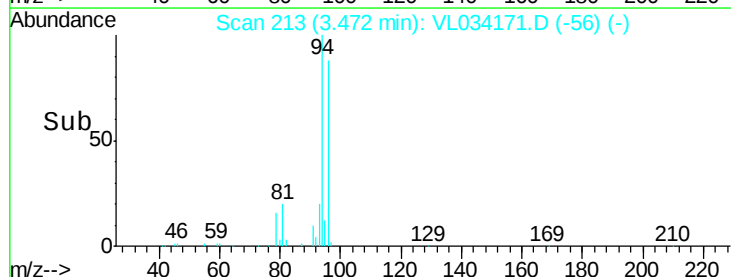
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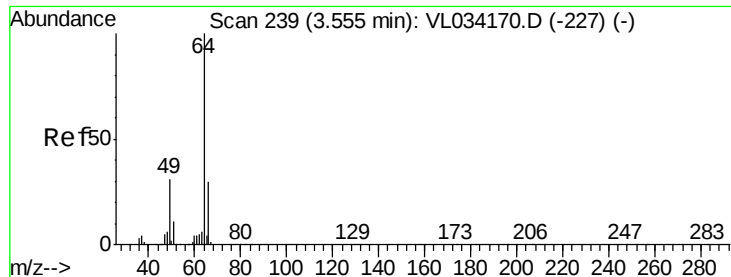
20000

0

3.45 3.50

Time-->





#7

Chloroethane

Concen: 1.985 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 57520

Ion Ratio Lower Upper

64 100

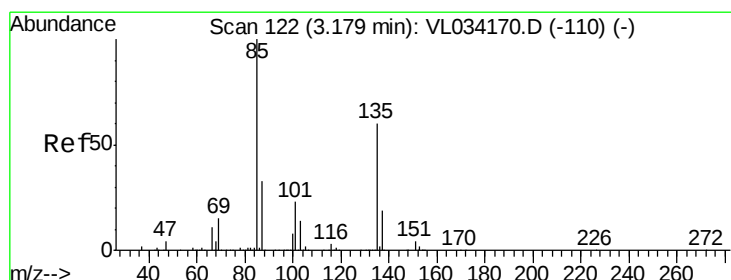
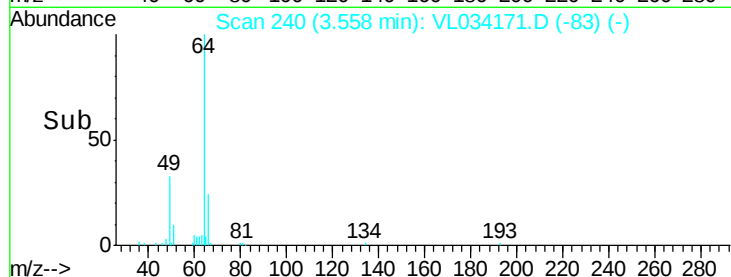
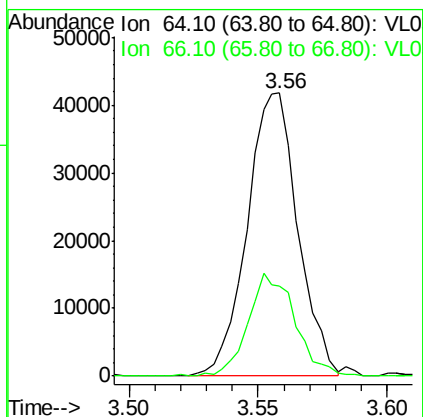
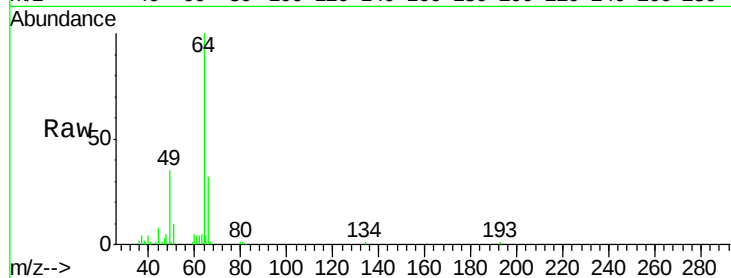
66 31.8 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.101 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL034171.D

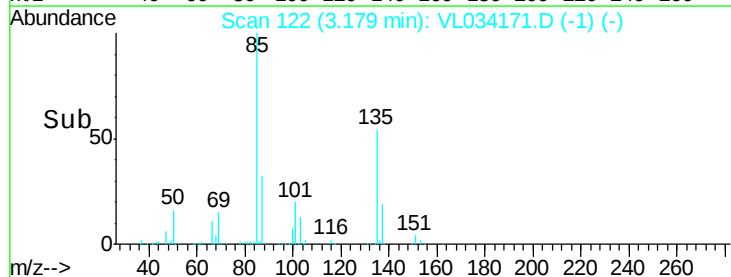
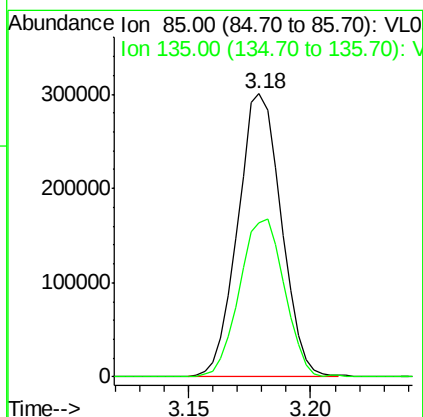
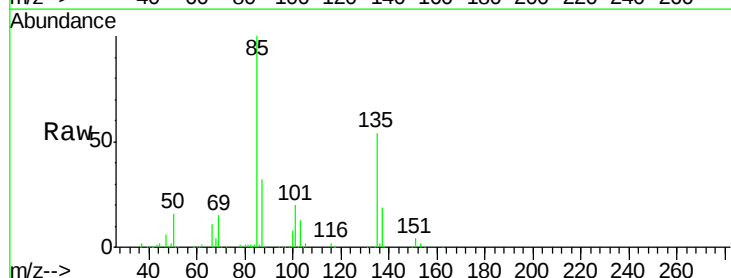
Acq: 17 Sep 2019 4:51

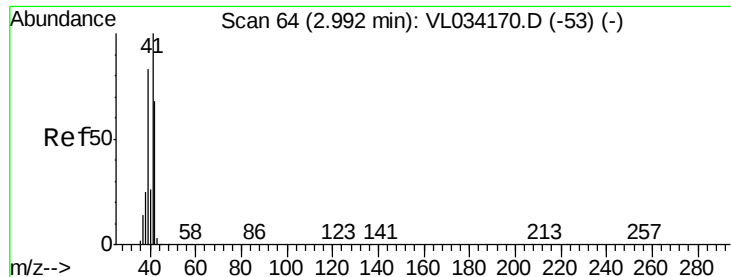
Tgt Ion: 85 Resp: 371147

Ion Ratio Lower Upper

85 100

135 57.6 47.3 70.9





#9

Propene

Concen: 1.951 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 160829

Ion Ratio Lower Upper

41 100

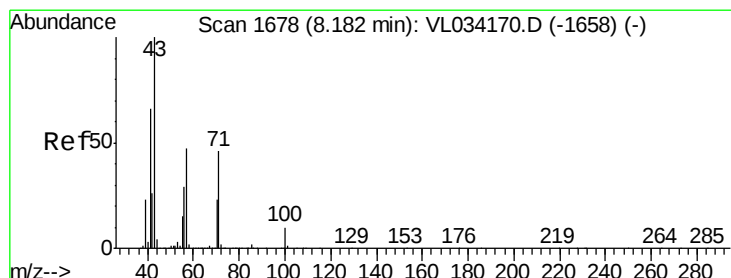
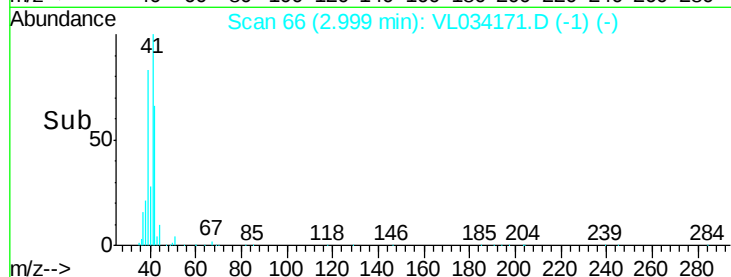
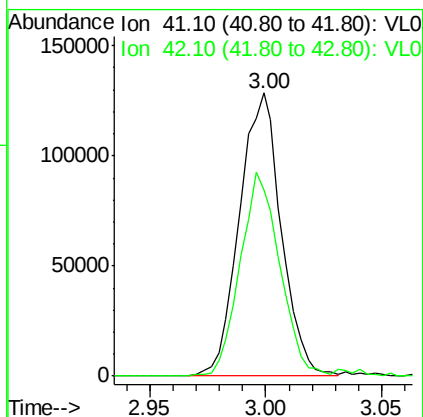
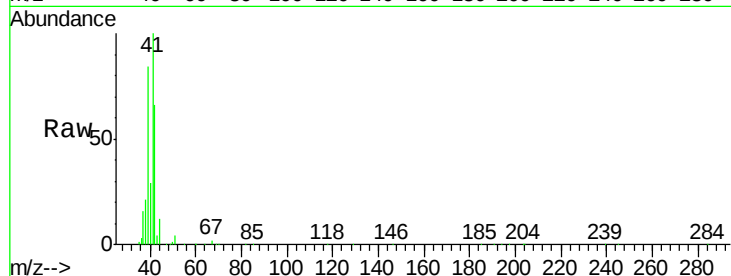
42 69.8 55.8 83.6

Manual Integrations

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#10

Heptane

Concen: 1.991 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VL034171.D

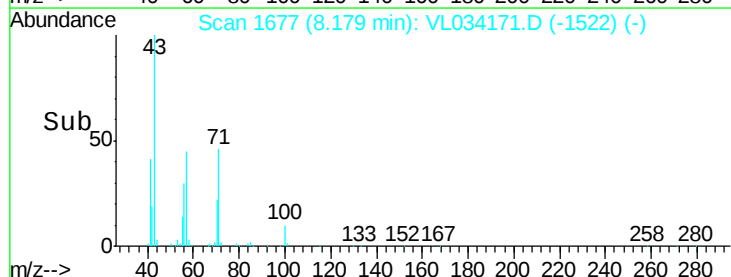
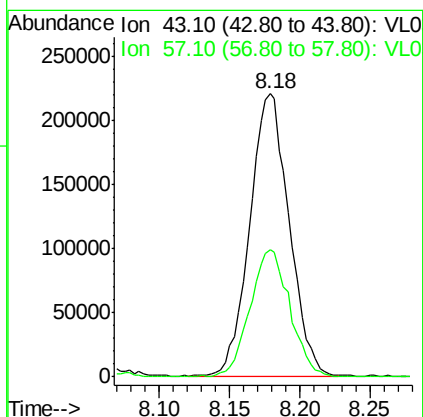
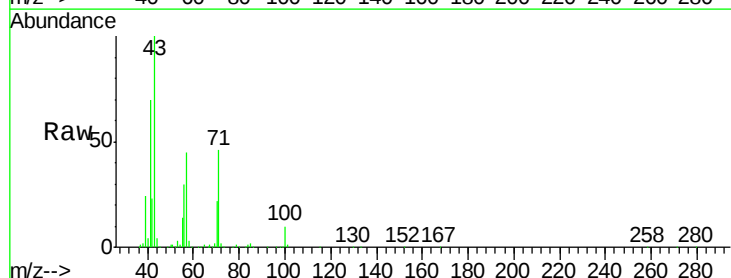
Acq: 17 Sep 2019 4:51

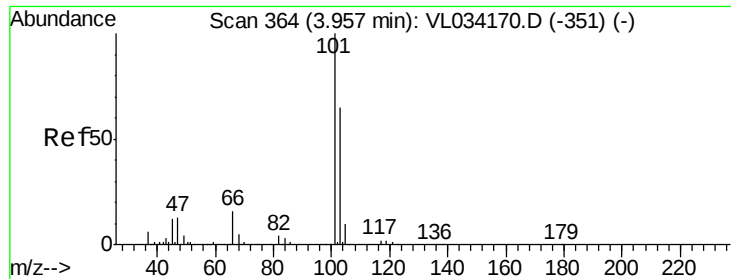
Tgt Ion: 43 Resp: 428008

Ion Ratio Lower Upper

43 100

57 45.8 37.5 56.3





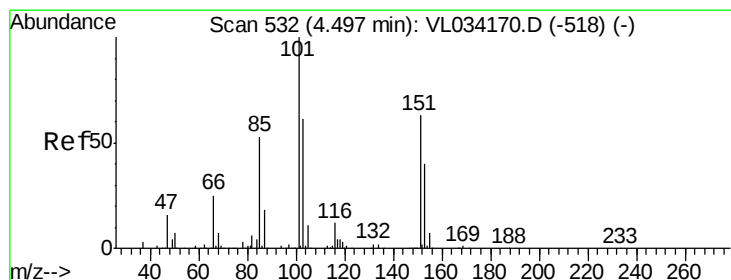
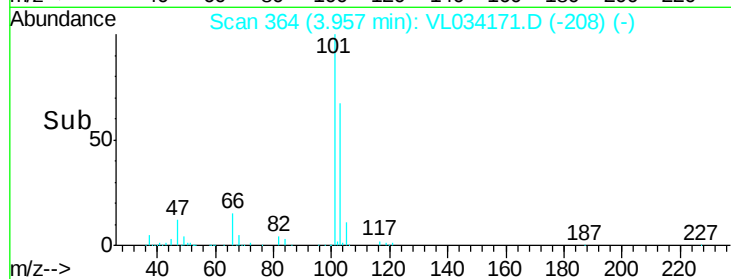
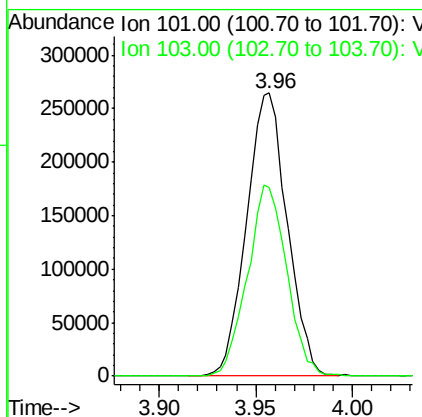
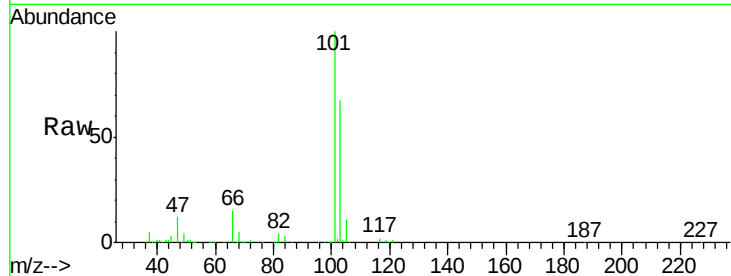
#11
 Trichlorofluoromethane
 Concen: 2.153 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.1	78.1

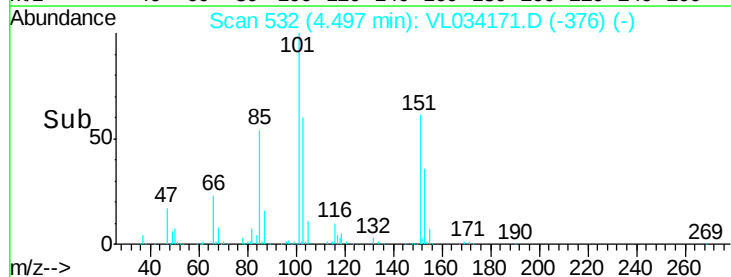
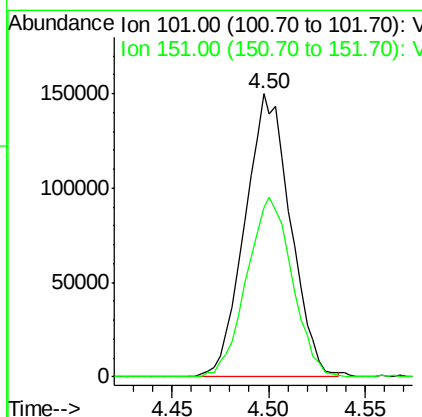
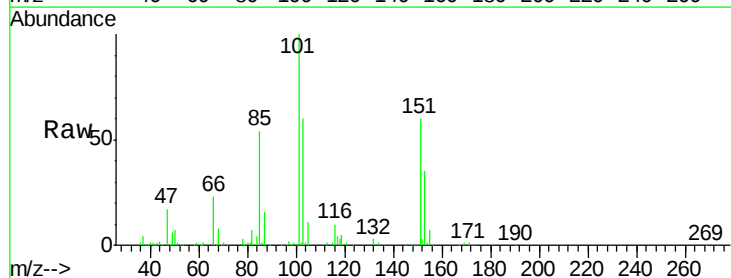
Manual Integrations
 APPROVED

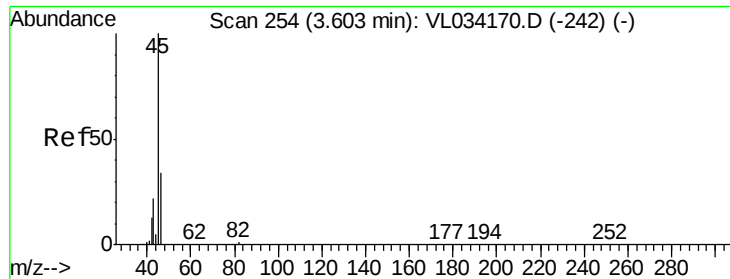
MMDadoda
 9/20/2019 12:43:54 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.055 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
101	100		
151	63.2	51.8	77.8





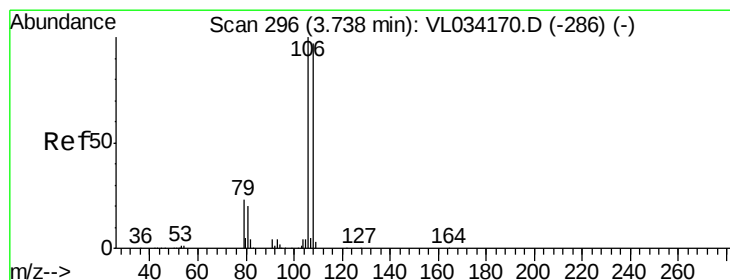
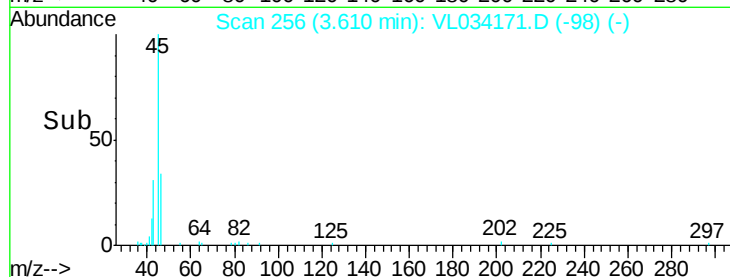
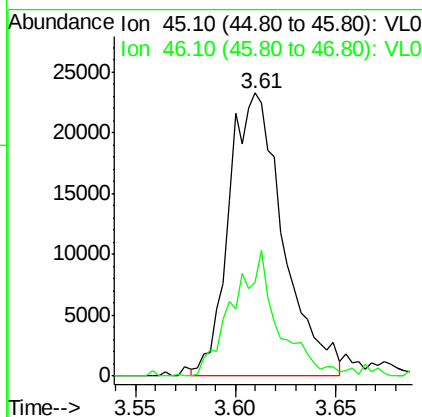
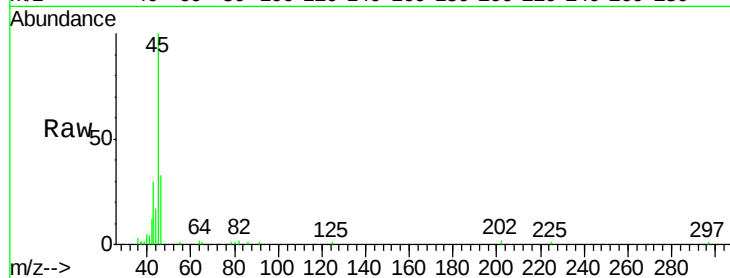
#13
Ethanol
Concen: 2.730 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 43877
Ion Ratio Lower Upper
45 100
46 0.0 15.5 61.9#

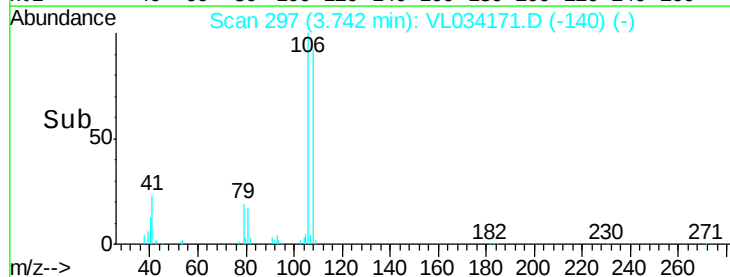
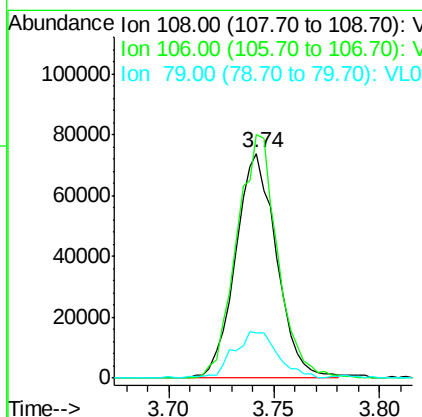
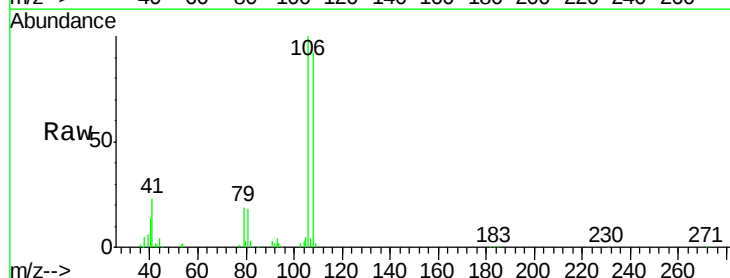
Manual Integrations
APPROVED

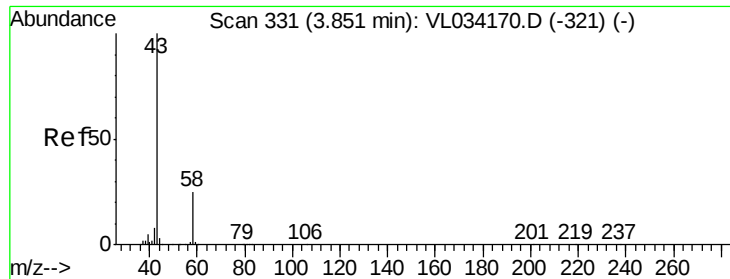
MMDadoda
9/20/2019 12:43:54 AM



#14
Bromoethene
Concen: 1.940 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion: 108 Resp: 100046
Ion Ratio Lower Upper
108 100
106 108.1 86.2 129.4
79 23.3 18.6 27.8





#15

Acetone

Concen: 2.449 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 394640

Ion Ratio Lower Upper

43 100

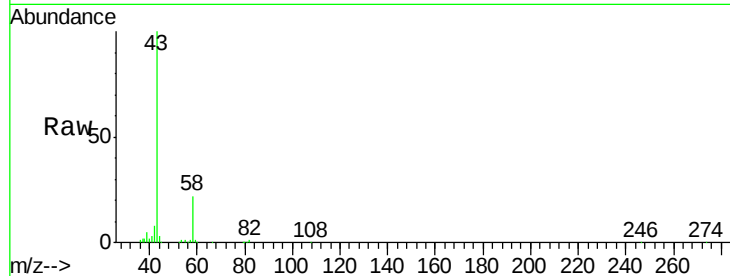
58 25.1 20.5 30.7

Manual Integrations

APPROVED

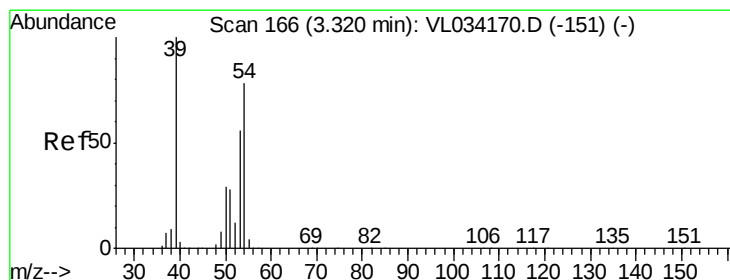
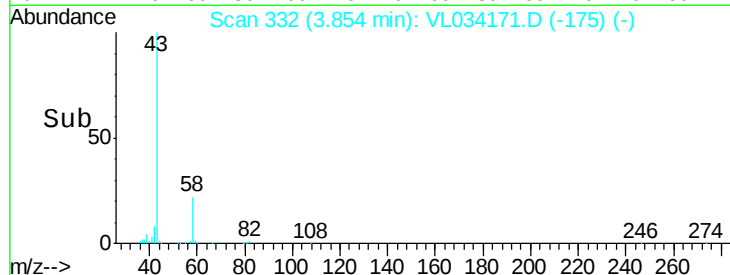
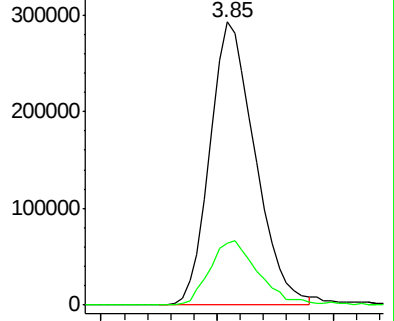
MMDadoda

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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: 2.101 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL034171.D

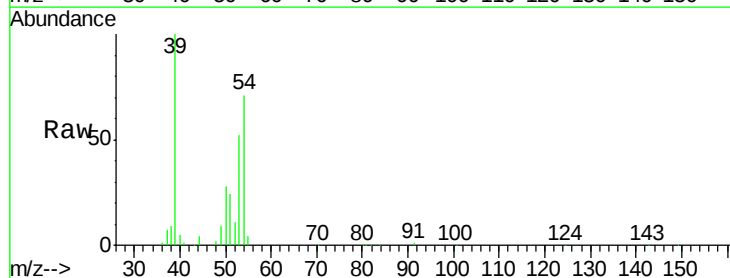
Acq: 17 Sep 2019 4:51

Tgt Ion: 39 Resp: 170673

Ion Ratio Lower Upper

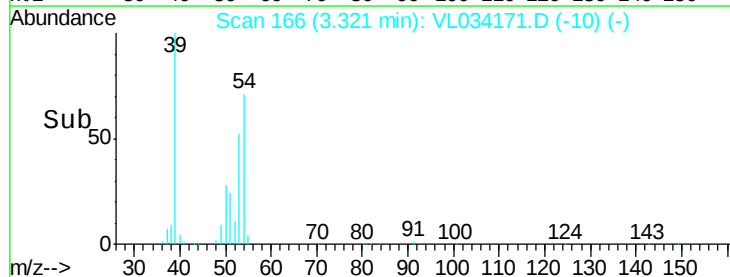
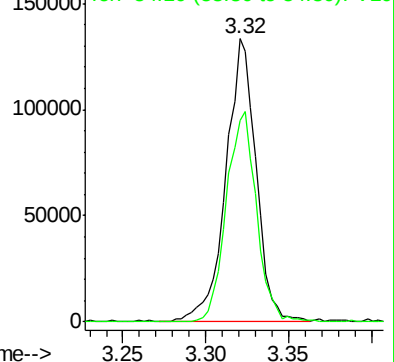
39 100

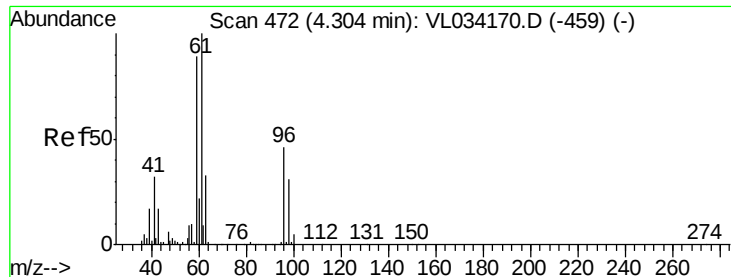
54 73.7 63.4 95.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

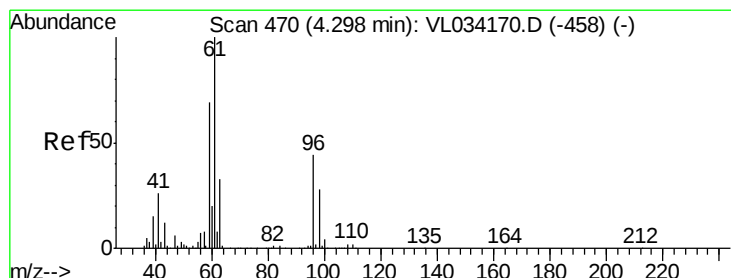
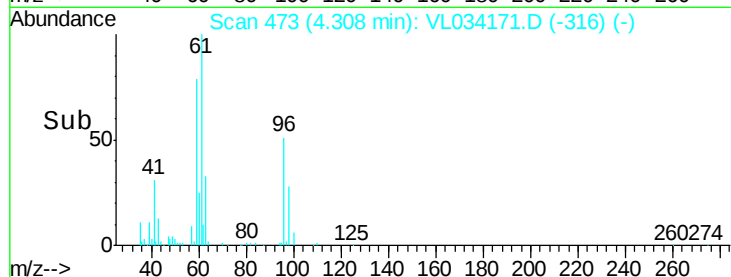
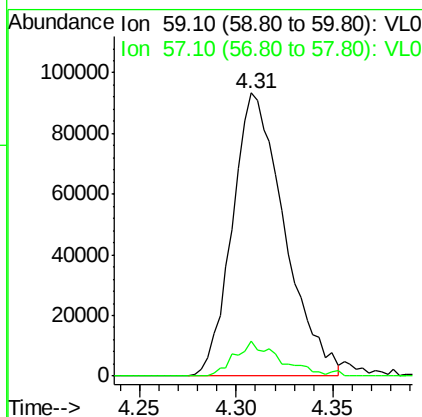
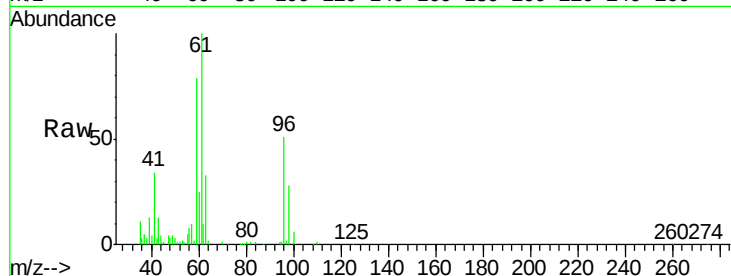
tert-Butyl alcohol
Concen: 1.499 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	59	Resp	174124
Ion Ratio	59	100	
Lower	57	10.9	8.7
Upper			13.1

Manual Integrations
APPROVED

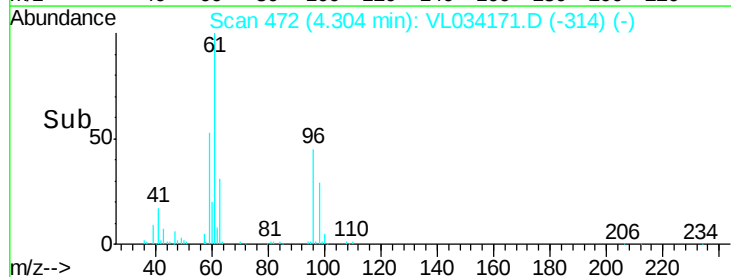
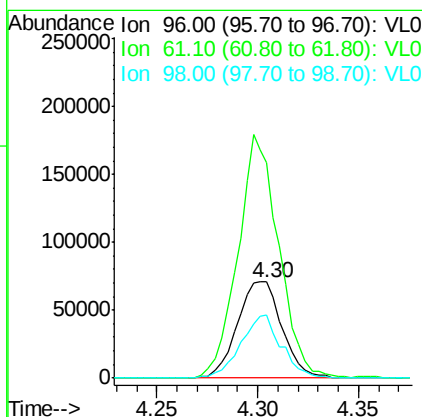
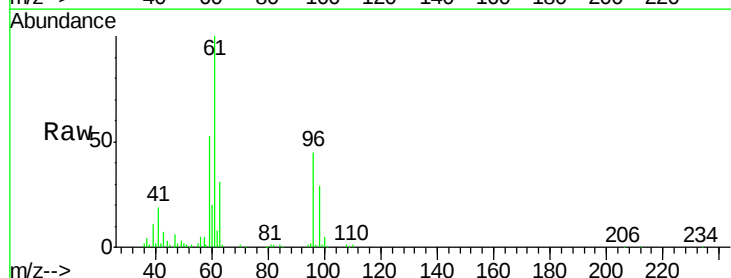
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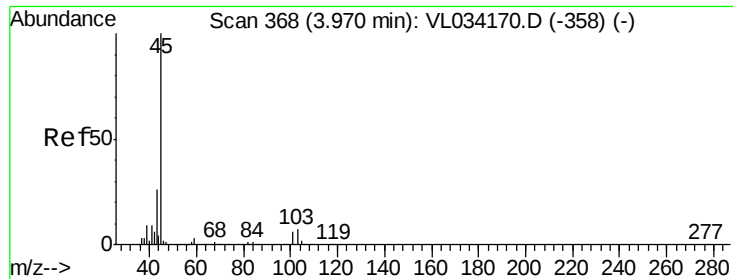


#18

1,1-Dichloroethene
Concen: 2.028 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	96	Resp	110099
Ion Ratio	96	100	
Lower	61	223.1	183.3
Upper	98	65.7	51.4





#19

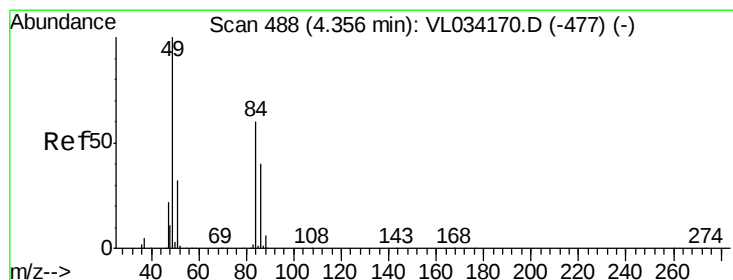
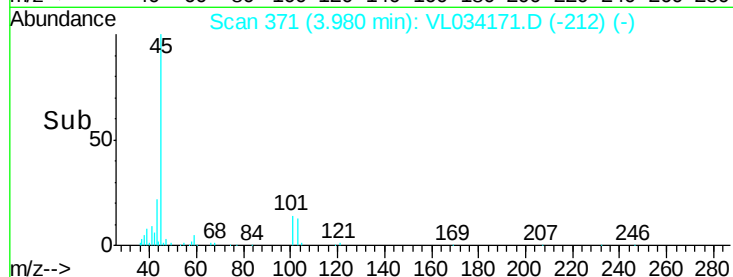
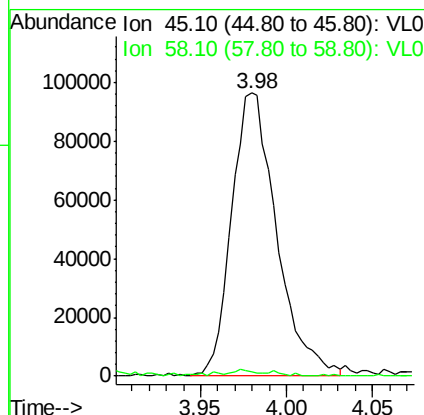
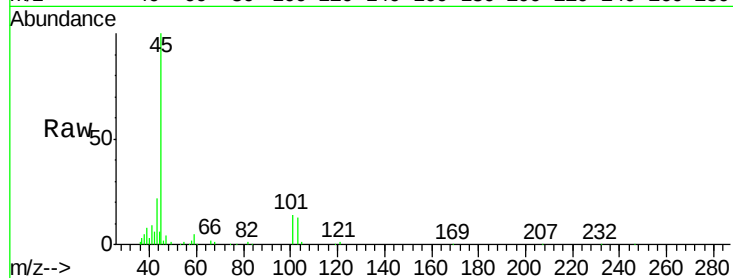
Isopropyl Alcohol
 Concen: 1.616 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

Tot Ion	45	58	Ratio	100	2.7	Resp:	174280	Lower	1.4	Upper	2.0#
Ion	45	58	Ratio	100	2.7	Resp:	174280	Lower	1.4	Upper	2.0#

Manual Integrations
 APPROVED

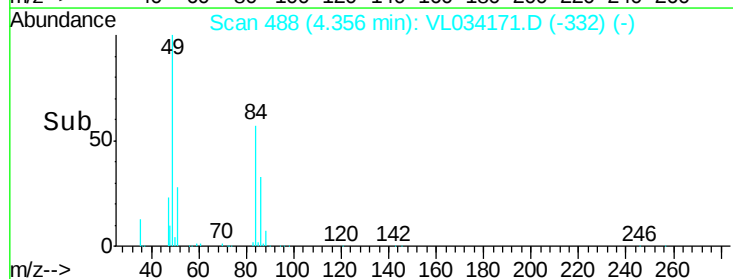
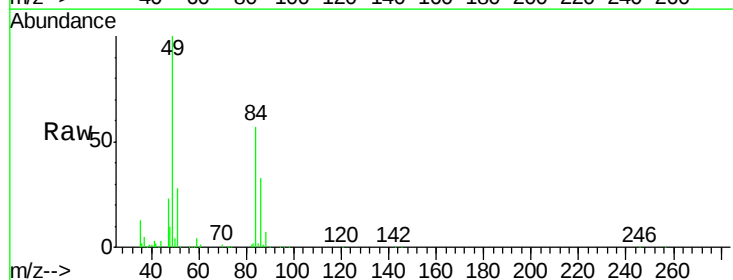
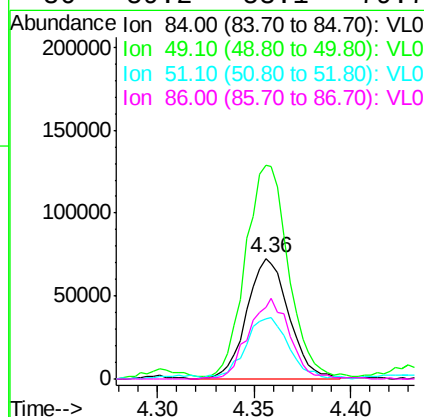
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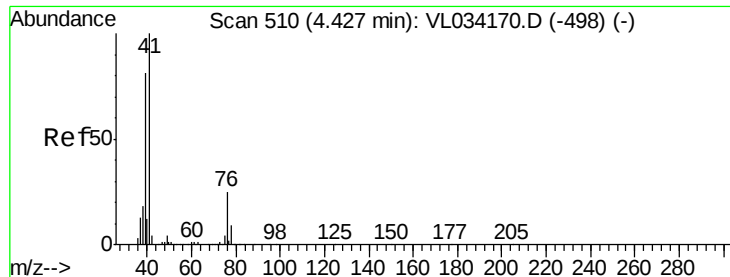


#20

Methylene Chloride
 Concen: 2.090 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	84	49	51	86	Ratio	100	174.0	47.8	59.2	Resp:	110278	Lower	133.8	200.8	Upper	65.4	79.7
Ion	84	49	51	86	Ratio	100	174.0	47.8	59.2	Resp:	110278	Lower	133.8	200.8	Upper	65.4	79.7





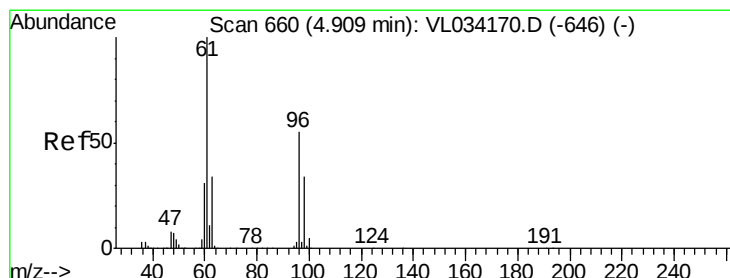
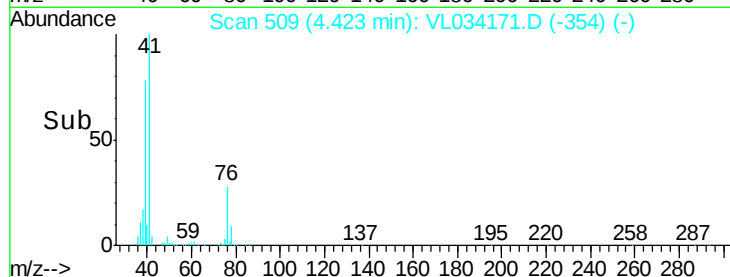
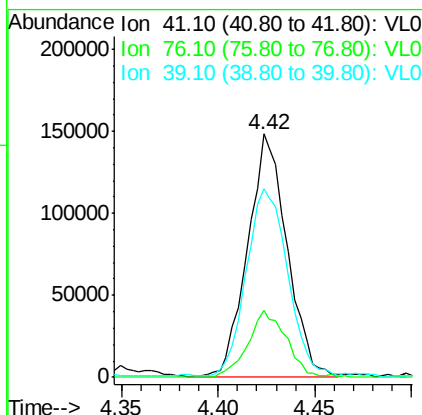
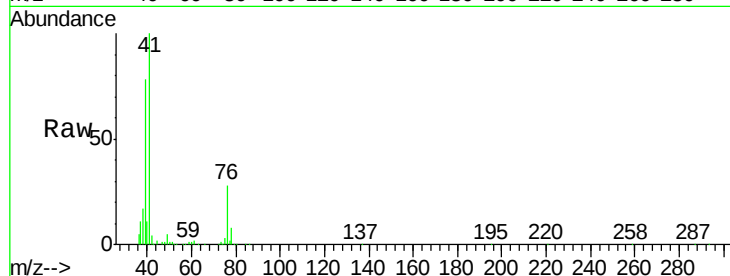
#21
Allvl Chloride
Concen: 1.982 ppbv
RT: 4.42 min Scan# 509
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.0	21.8	32.6
39	83.7	64.8	97.2

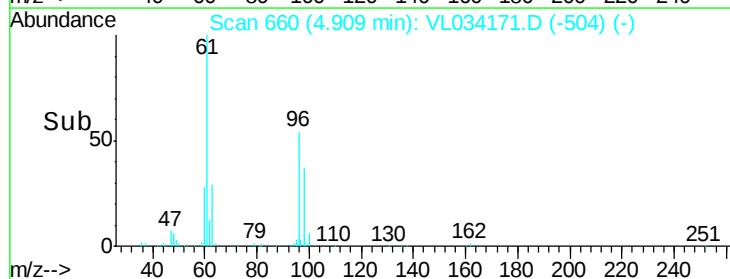
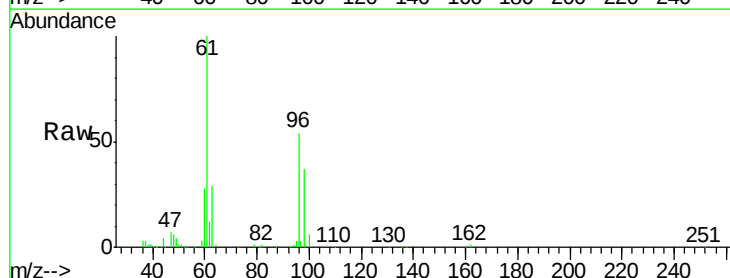
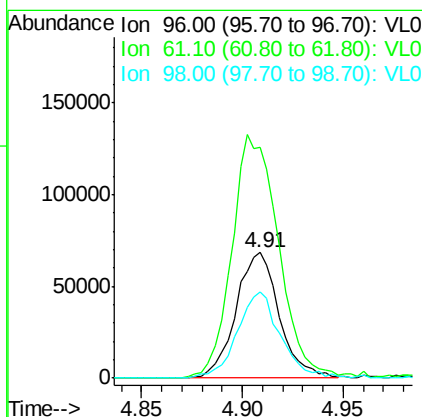
Manual Integrations
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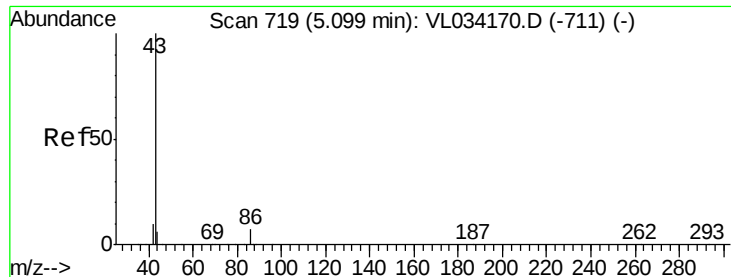
MMDadoda
9/20/2019 12:43:54 AM



#22
trans-1,2-Dichloroethene
Concen: 1.886 ppbv
RT: 4.91 min Scan# 660
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	145.5	218.3
98	68.1	49.9	74.9





#23

Vinyl Acetate

Concen: 2.116 ppbv

RT: 5.10 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

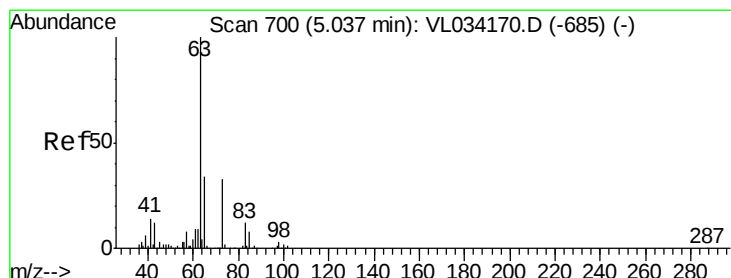
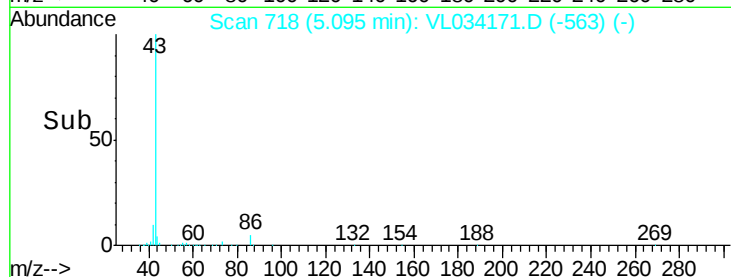
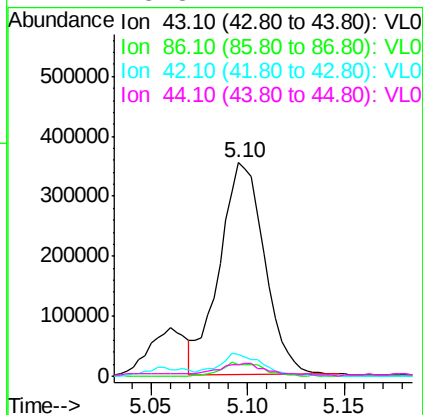
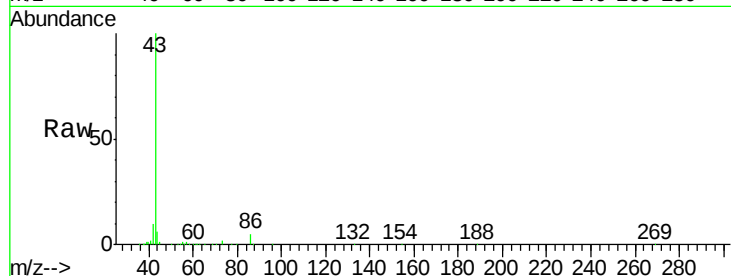
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		573878		
86	5.3		5.1	7.7	
42	10.3		8.6	12.8	
44	5.3		4.7	7.1	

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.075 ppbv

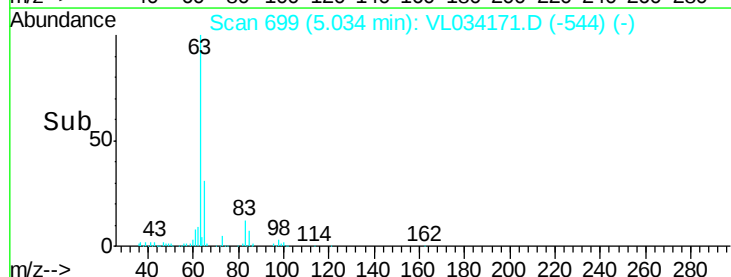
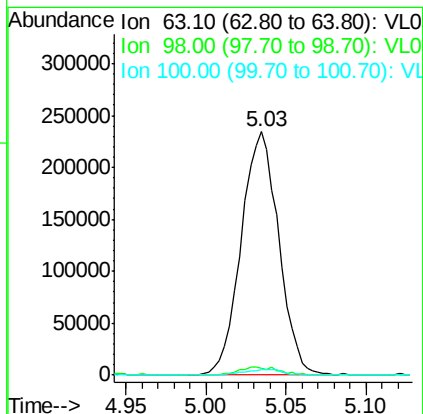
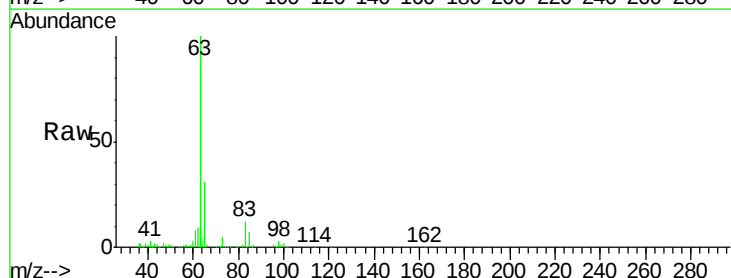
RT: 5.03 min Scan# 699

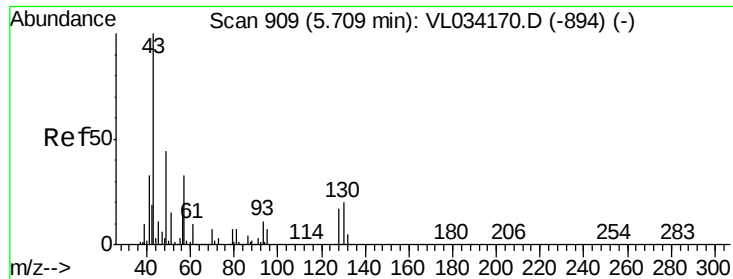
Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		375079		
98	2.7		1.8	5.3	
100	2.0		1.0	3.0	





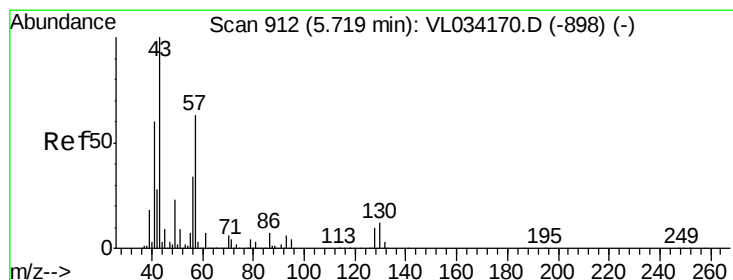
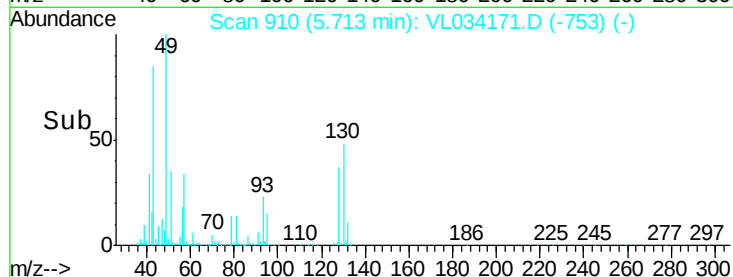
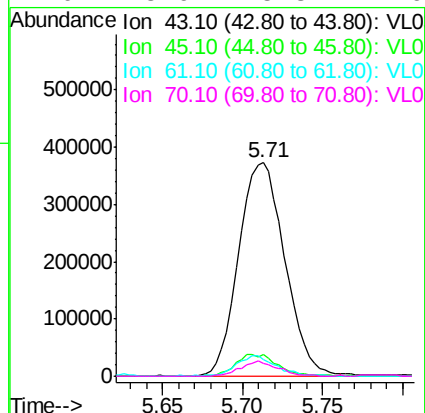
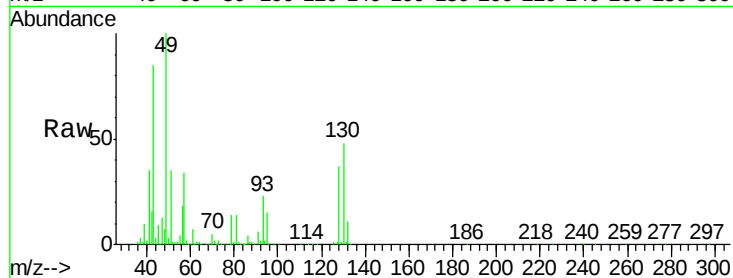
#25
Ethyl Acetate
Concen: 2.073 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	9.5	8.4	12.6		
61	8.6	7.2	10.8		
70	5.9	5.3	7.9		

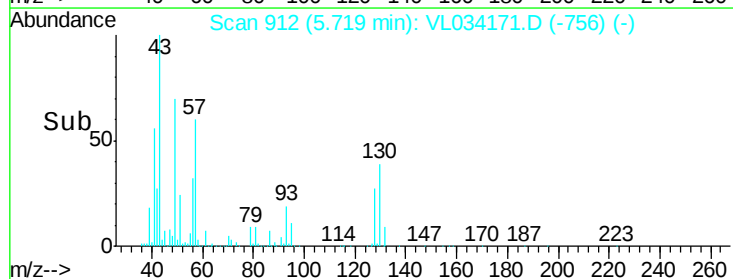
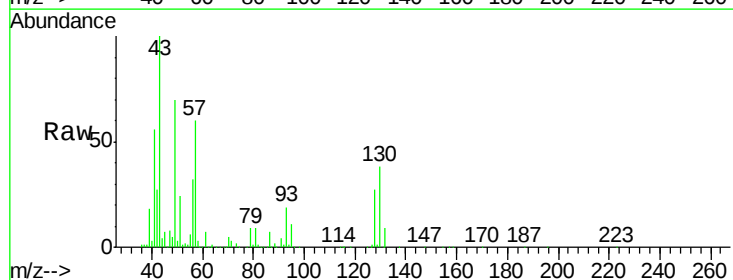
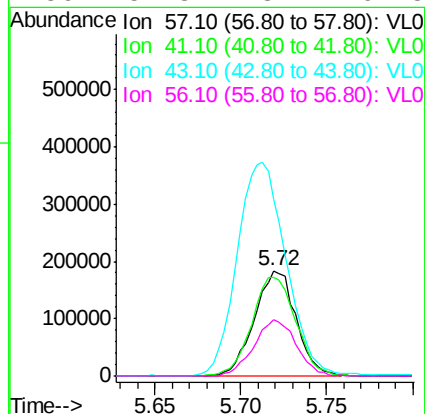
Manual Integrations
APPROVED

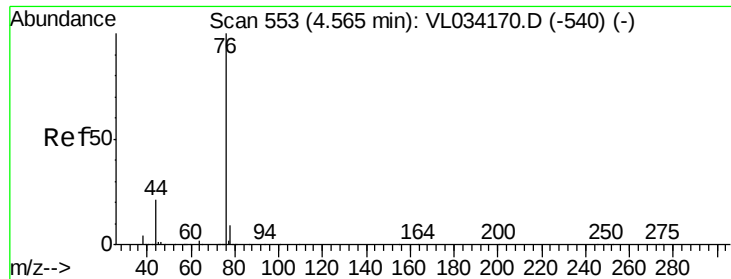
MMDadoda
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#26
Hexane
Concen: 1.974 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	99.8	78.5	117.7		
43	239.9	189.5	284.3		
56	54.3	43.2	64.8		





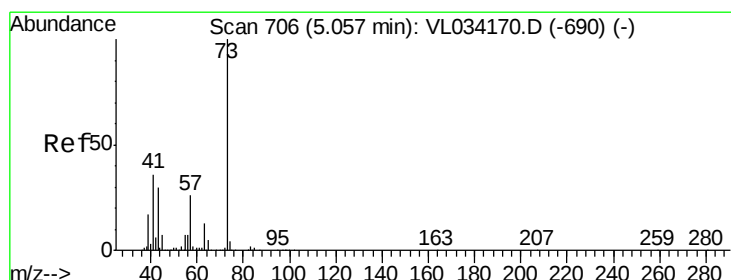
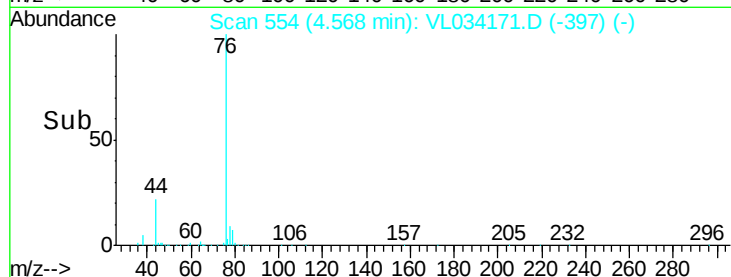
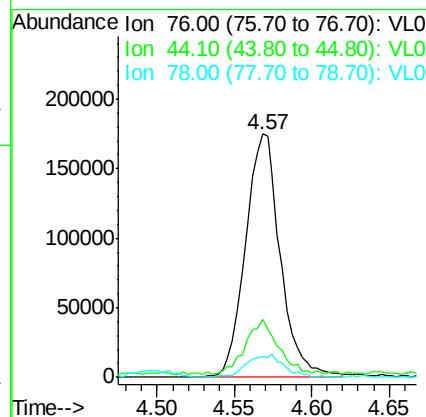
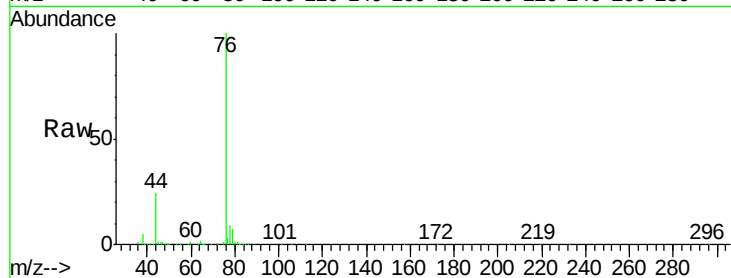
#27
Carbon Disulfide
Concen: 1.954 ppbv
RT: 4.57 min Scan# 554
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.7	17.6	26.4
78	9.9	7.6	11.4

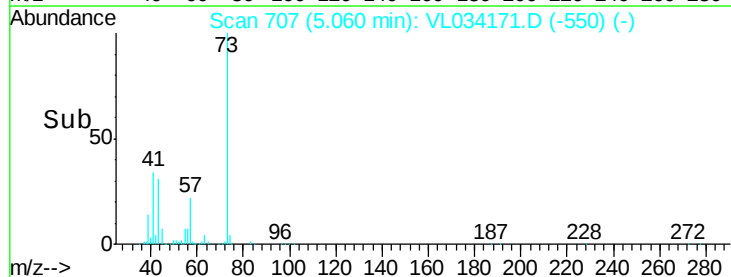
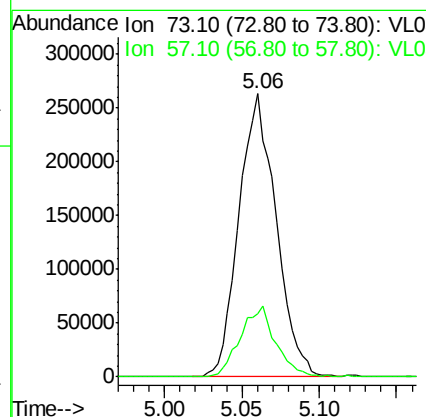
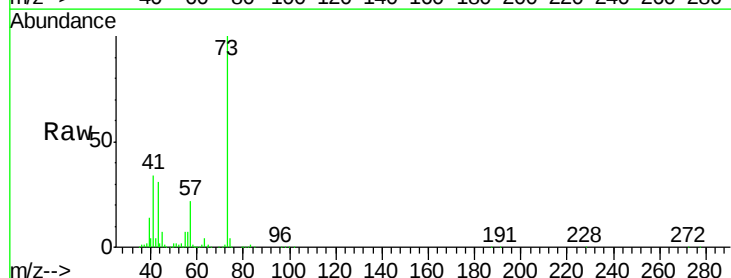
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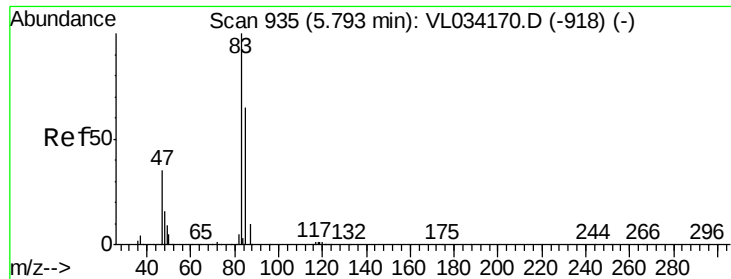
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 1.944 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.0	20.2	30.2





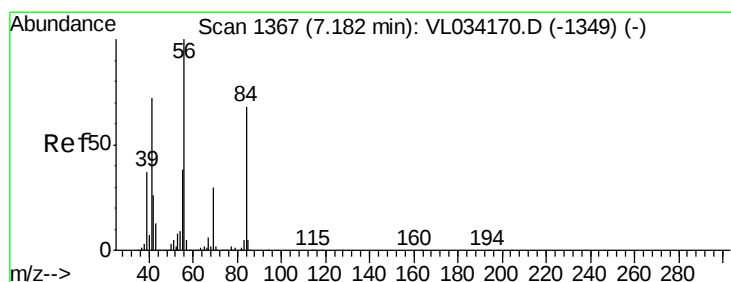
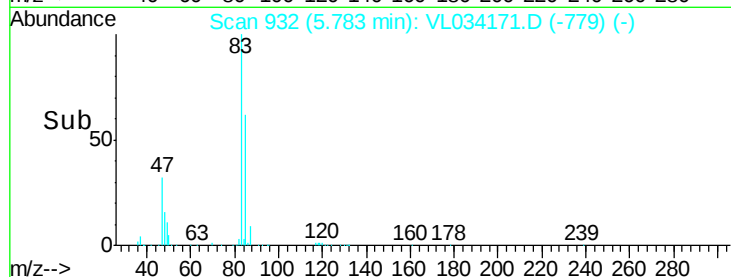
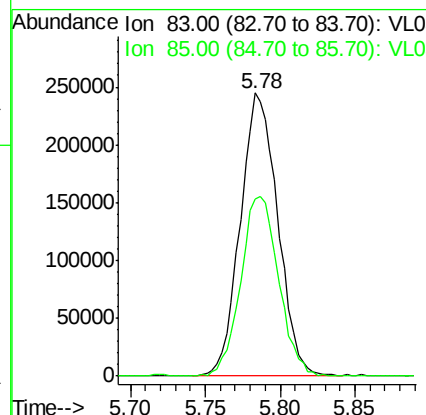
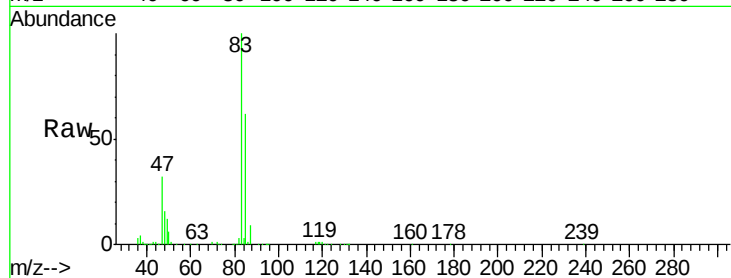
#29
Chloroform
Concen: 2.020 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampled :
VSTDIC002

Tot Ion	83	Resp	426238
Ion Ratio	Lower	Upper	
83	100		
85	62.5	52.3	78.5

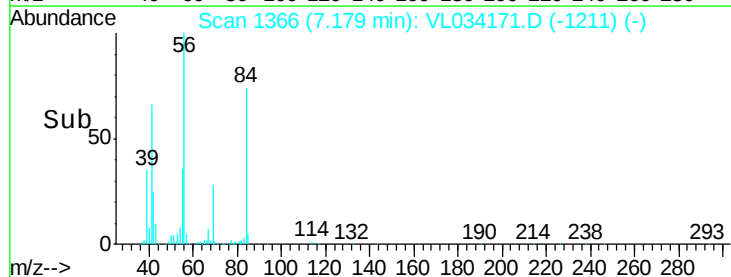
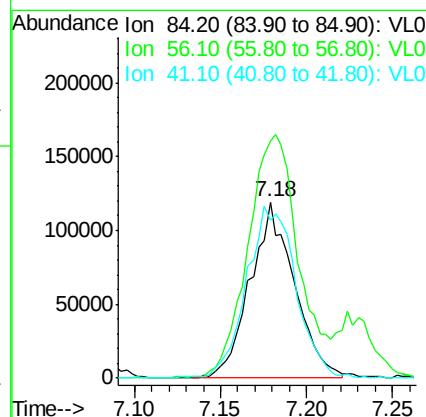
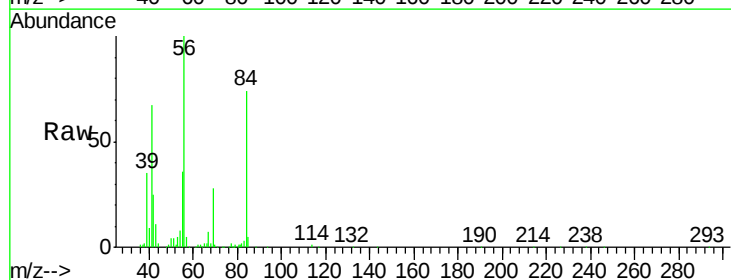
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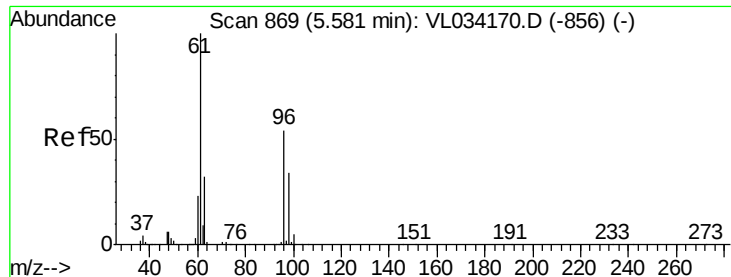
MMDadoda
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#30
Cyclohexane
Concen: 1.884 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	84	Resp	210622
Ion Ratio	Lower	Upper	
84	100		
56	188.9	126.2	189.2
41	109.9	85.8	128.8





#31

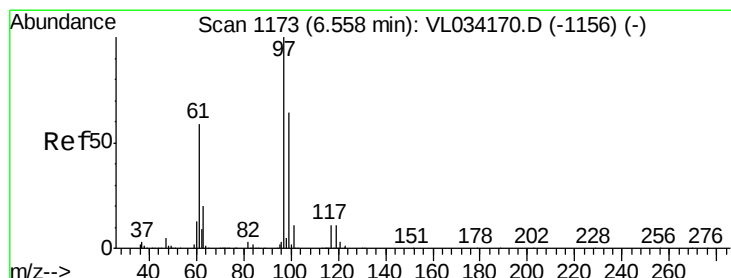
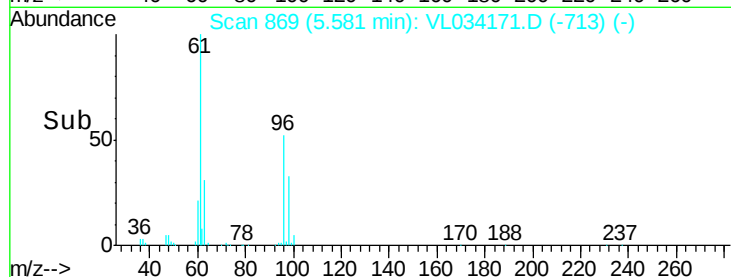
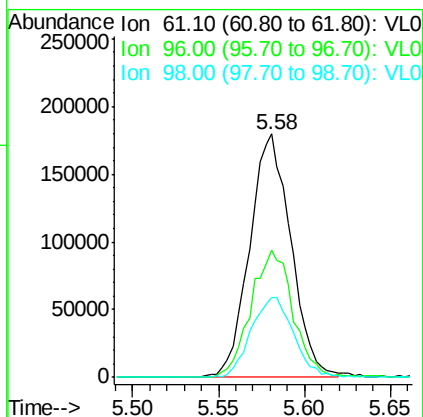
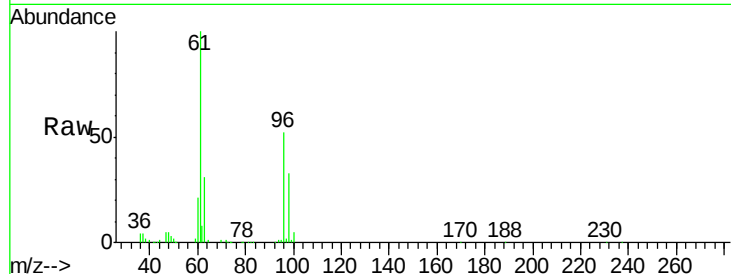
cis-1,2-Dichloroethene
 Concen: 1.989 ppbv
 RT: 5.58 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
61	100	298184		
96	52.3		43.0	64.4
98	32.9		27.2	40.8

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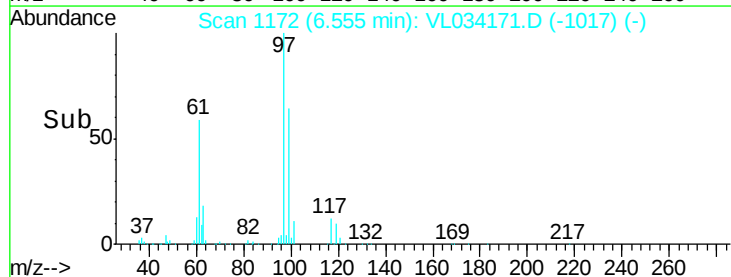
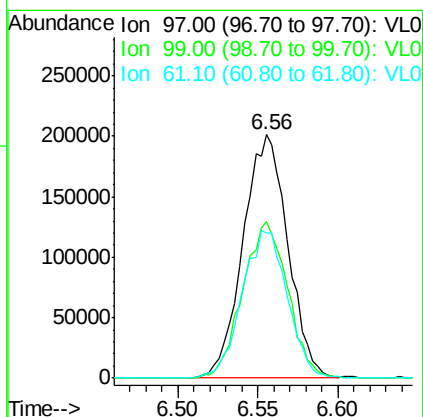
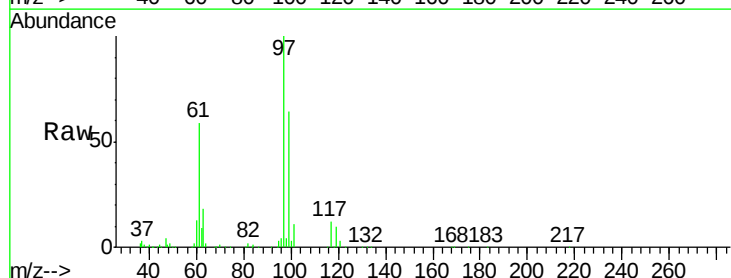
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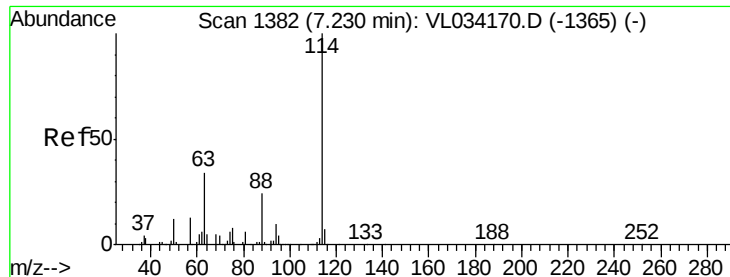


#32

1,1,1-Trichloroethane
 Concen: 1.929 ppbv
 RT: 6.56 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	384910		
99	64.6		51.4	77.2
61	61.4		48.4	72.6





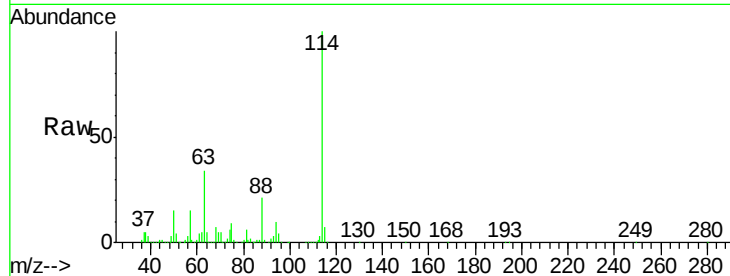
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

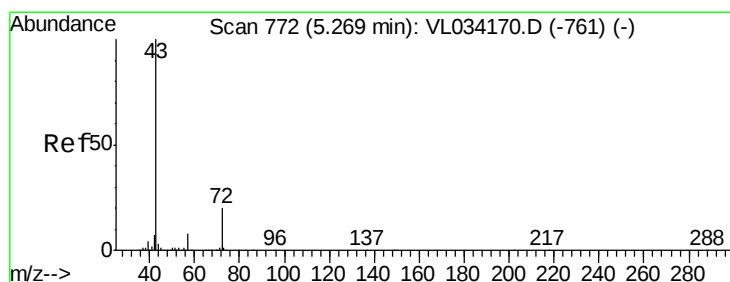
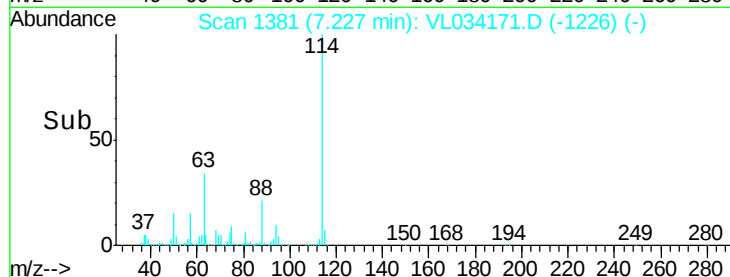
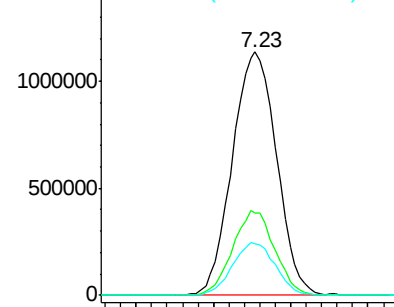
Tot Ion	Ratio	Lower	Upper
114	100		
63	33.3	27.8	41.6
88	20.9	17.1	25.7

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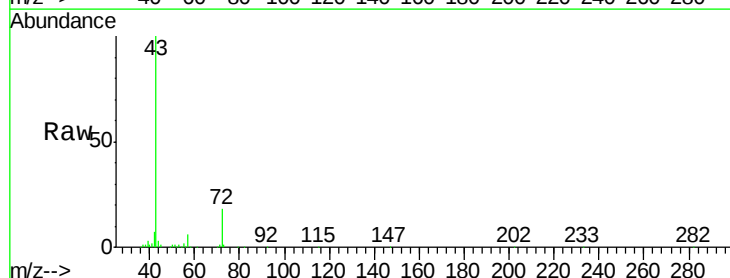


Abundance Ion 114.10 (113.80 to 114.80): VL0

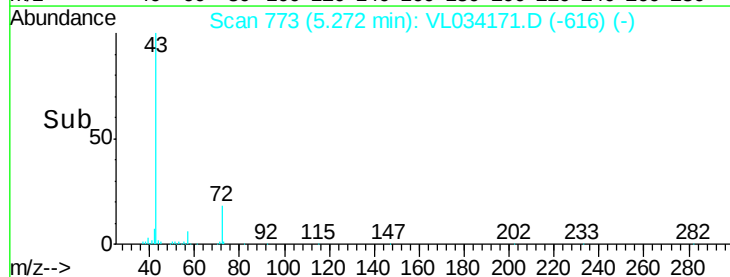
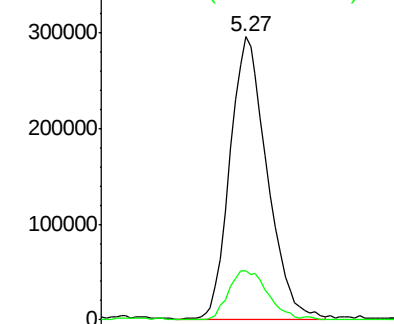


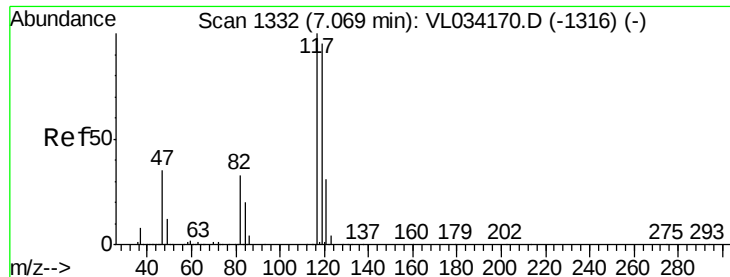
#34
 2-Butanone
 Concen: 2.234 ppbv
 RT: 5.27 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.0	15.0	22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0





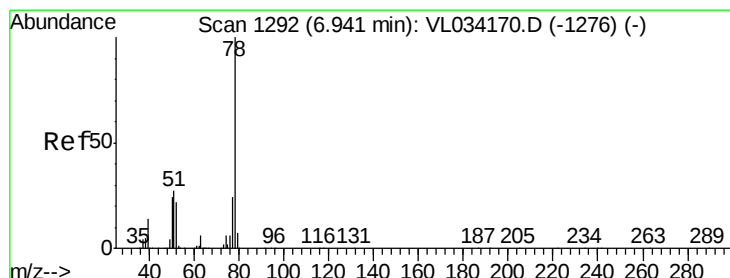
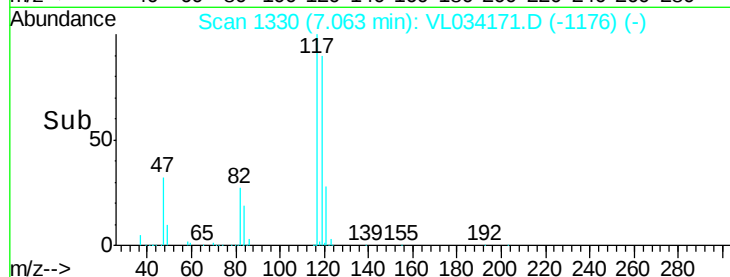
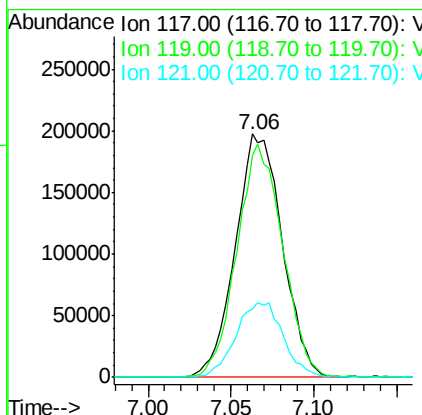
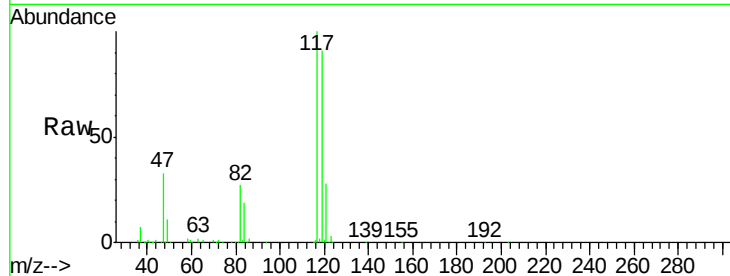
#35
Carbon Tetrachloride
Concen: 2.175 ppbv
RT: 7.06 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.8	113.6
121	28.1	25.0	37.6

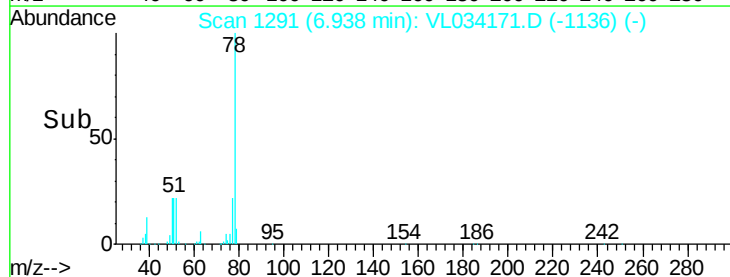
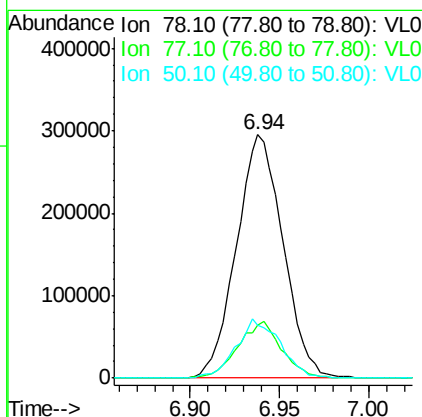
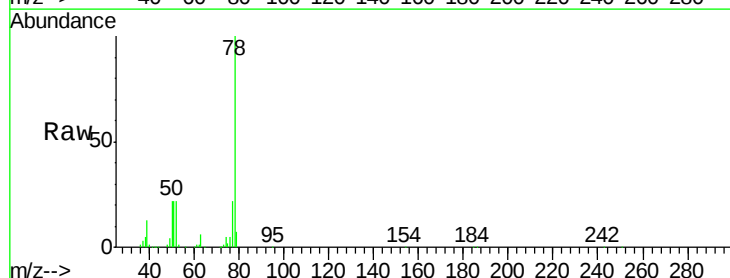
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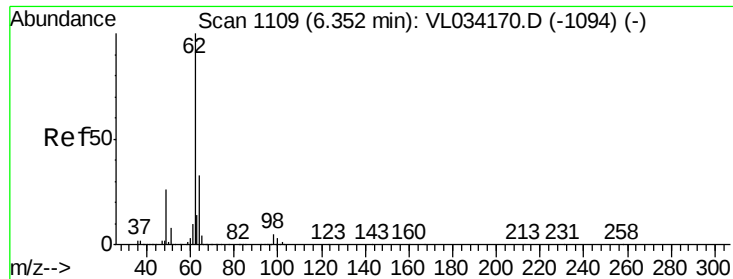
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#36
Benzene
Concen: 2.063 ppbv
RT: 6.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.0	28.4
50	21.9	18.9	28.3





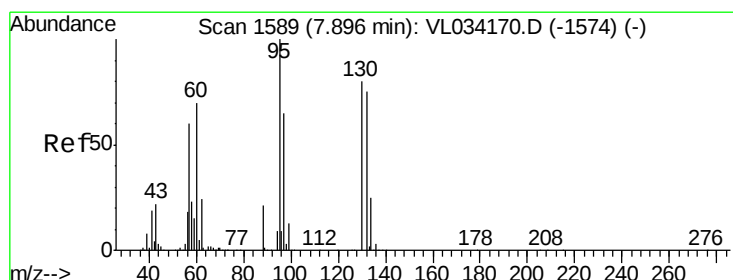
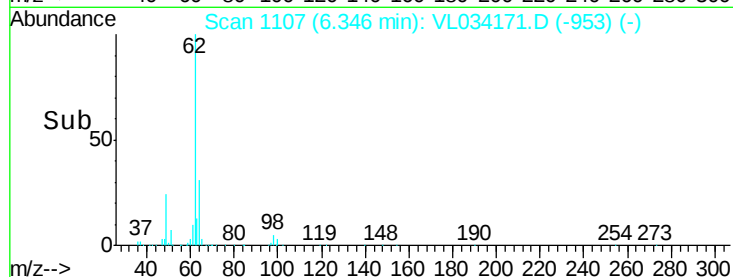
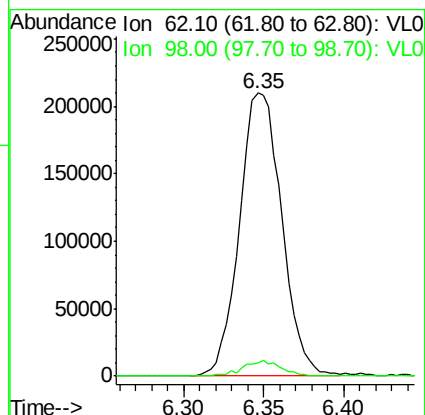
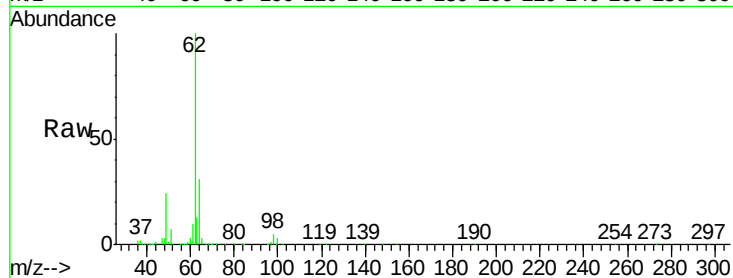
#37
 1,2-Dichloroethane
 Concen: 2.309 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
62	100	377568		
98	4.9		3.8	5.8

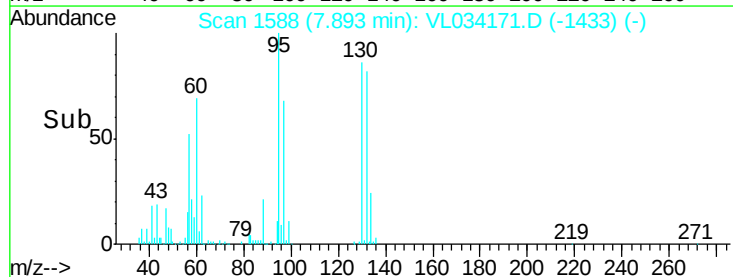
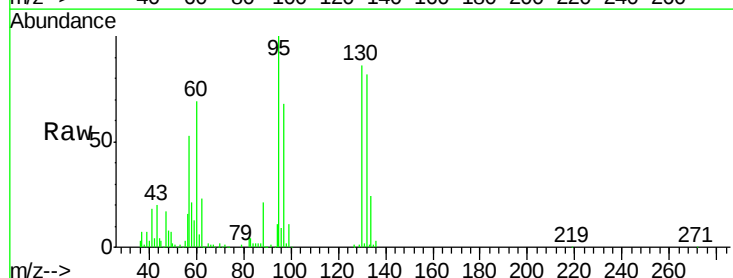
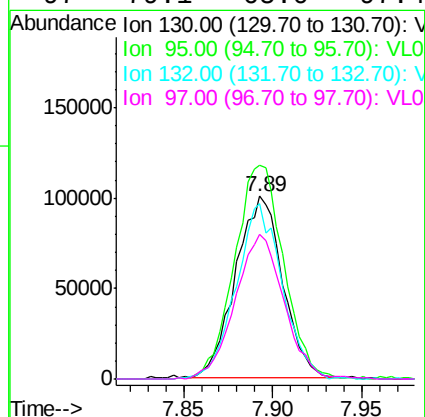
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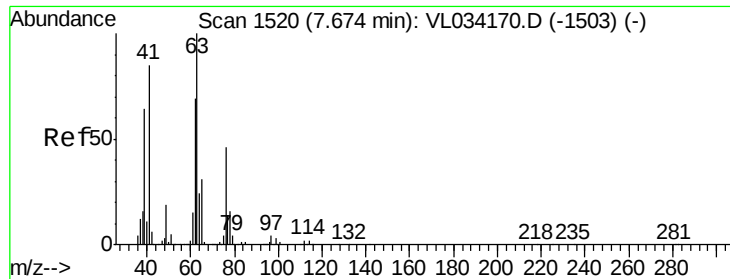
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#38
 Trichloroethene
 Concen: 1.912 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	185003		
95	117.1		99.8	149.6
132	96.4		75.2	112.8
97	79.1		65.0	97.4





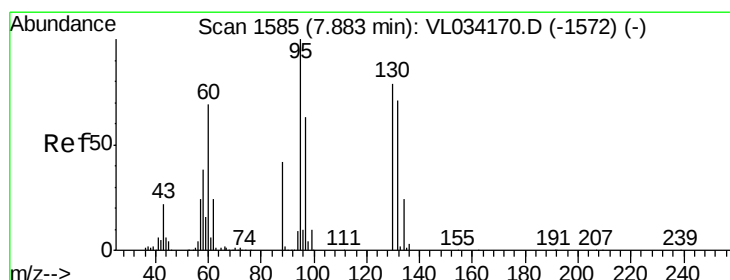
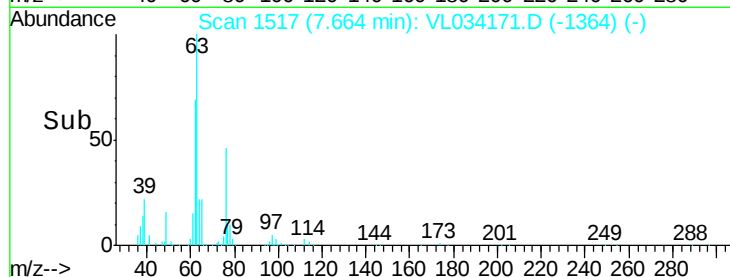
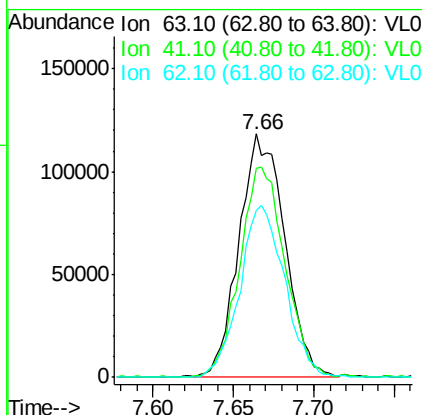
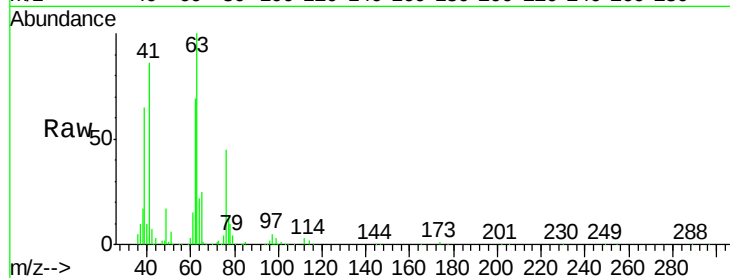
#39
 1,2-Dichloropropane
 Concen: 2.099 ppbv m
 RT: 7.66 min Scan# 1517
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	85.9	68.4	102.6
62	68.7	55.4	83.2

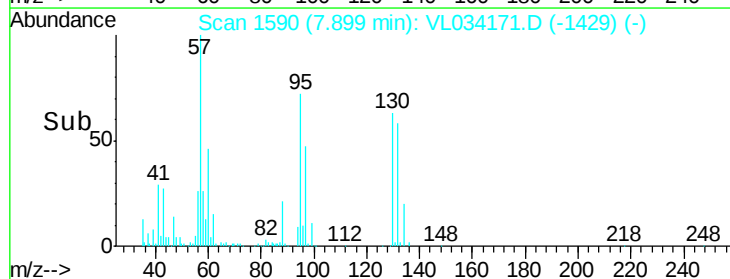
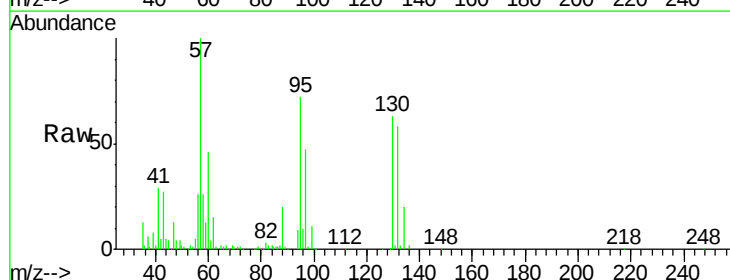
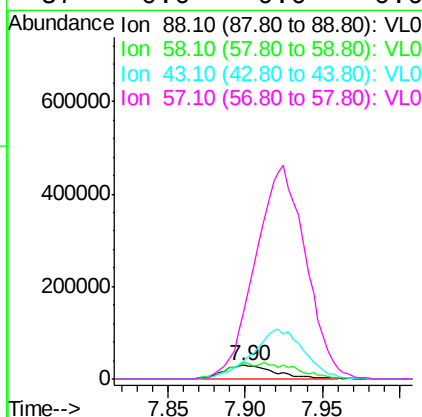
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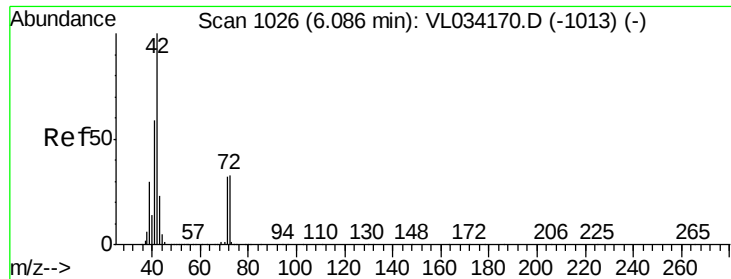
MMDadoda
 9/20/2019 12:43:54 AM



#40
 1,4-Dioxane
 Concen: 1.783 ppbv m
 RT: 7.90 min Scan# 1590
 Delta R.T. 0.02 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.0	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





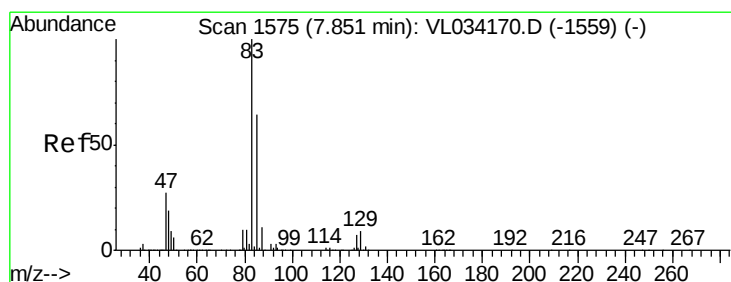
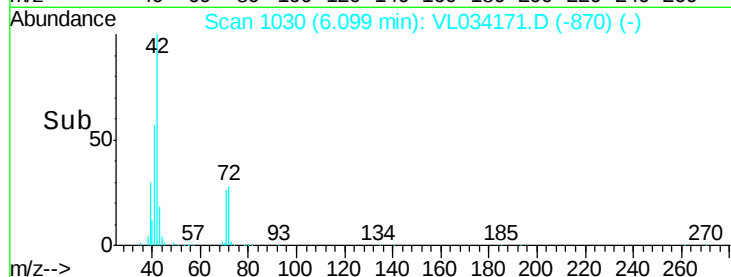
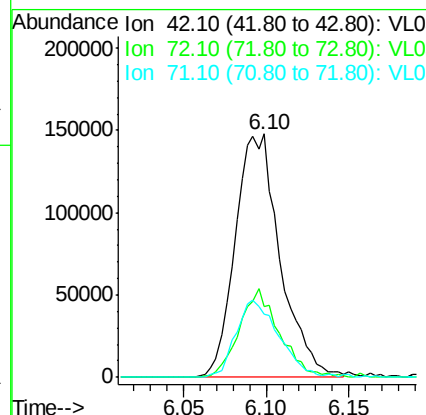
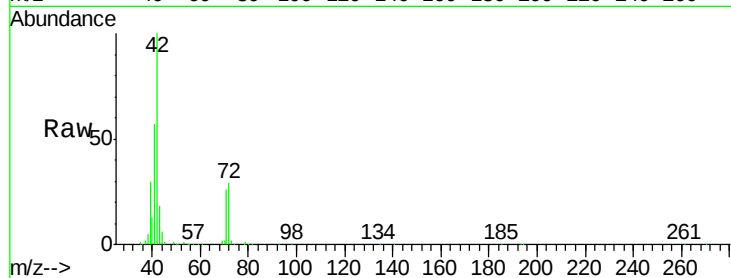
#41
Tetrahydrofuran
Concen: 2.131 ppbv m
RT: 6.10 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.6	40.0#
71	30.7	25.1	37.7

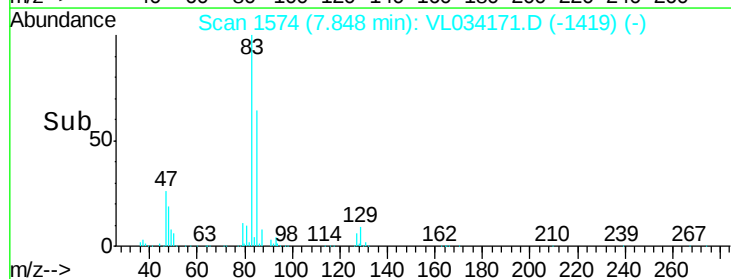
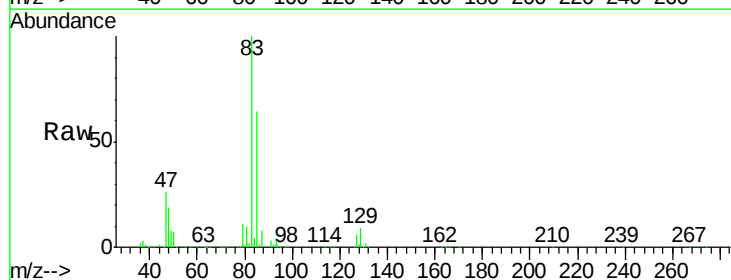
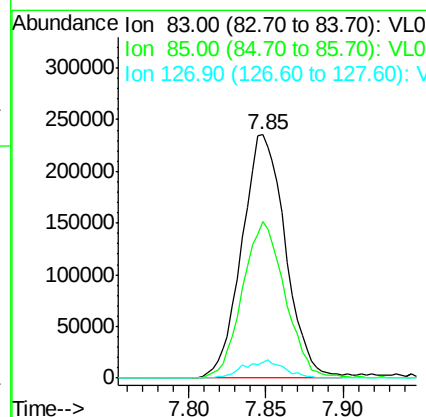
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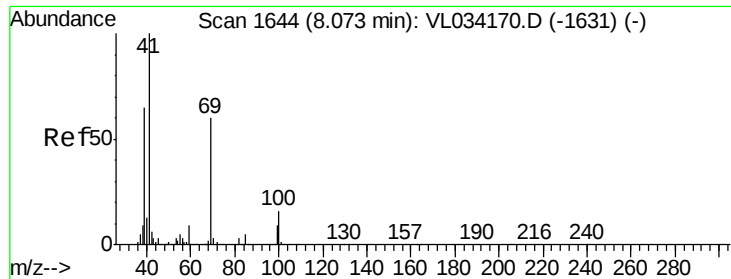
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#42
Bromodichloromethane
Concen: 2.201 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0
127	6.2	5.5	8.3





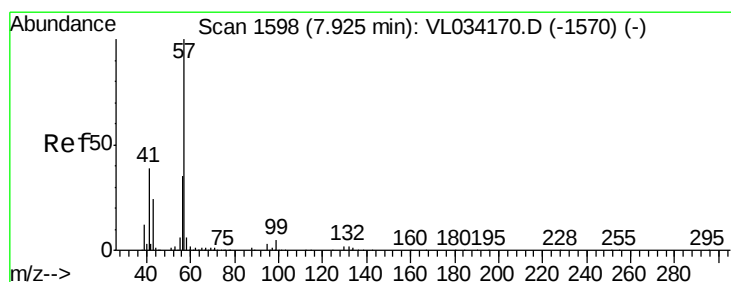
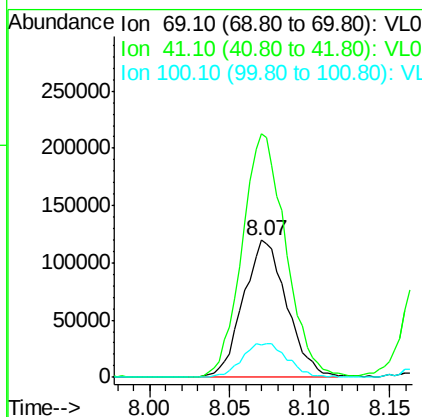
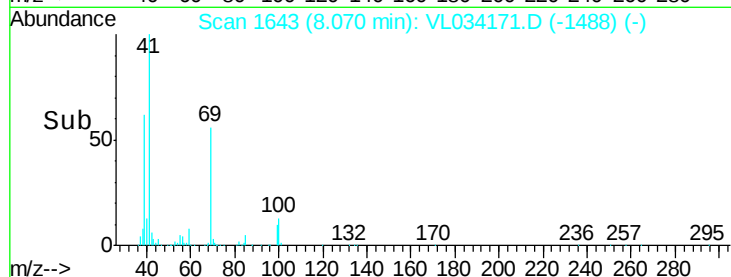
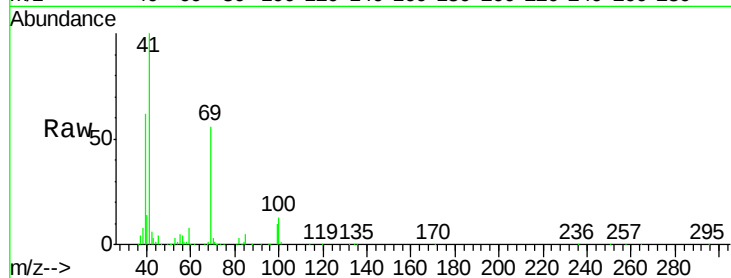
#43
Methvl Methacrilate
Concen: 2.097 ppbv
RT: 8.07 min Scan# 1643
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	177.4	140.4	210.6	
100	25.9	21.9	32.9	

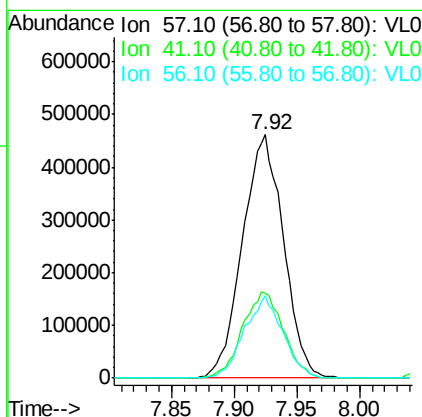
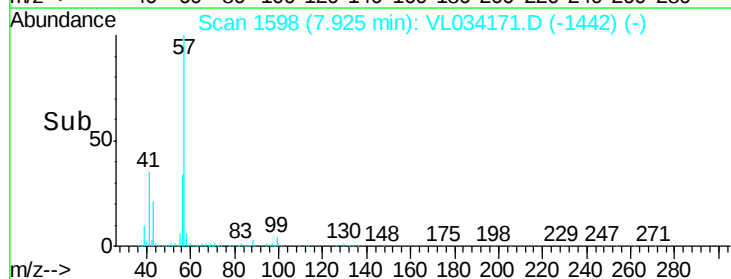
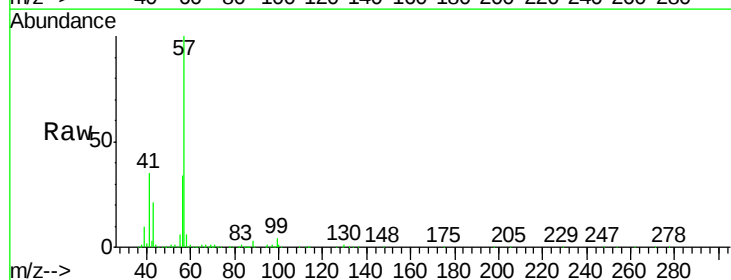
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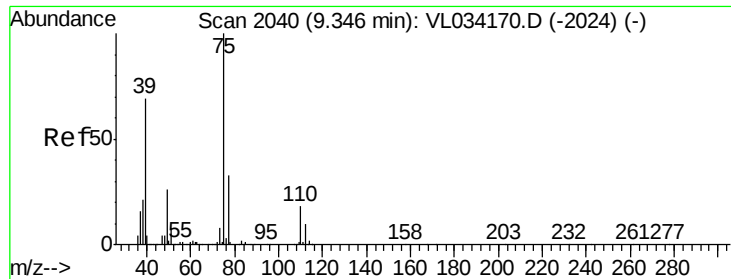
MMDadoda
9/20/2019 12:43:54 AM



#44
2,2,4-Trimethylpentane
Concen: 2.186 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.3	29.8	44.6	
56	31.7	25.9	38.9	





#45

t-1,3-Dichloropropene

Concen: 2.048 ppbv

RT: 9.34 min Scan# 2039

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Tot Ion: 75 Resp: 258103

Ion Ratio Lower Upper

75 100

77 30.2 26.2 39.2

Instrument :

MSVOA_L

ClientSampleId :

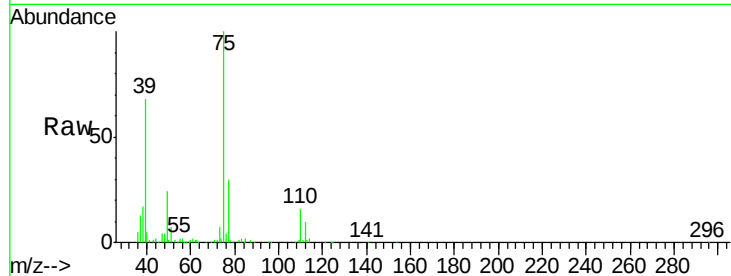
VSTDIC002

Manual Integrations

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9/20/2019 12:43:54 AM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.34

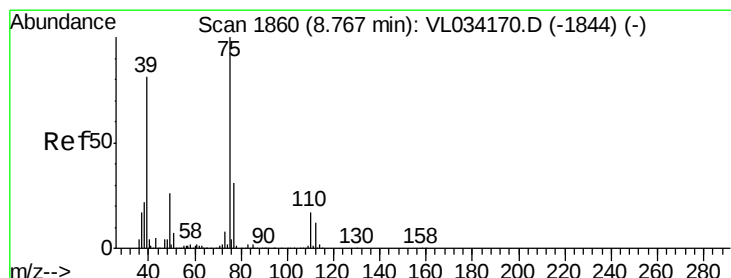
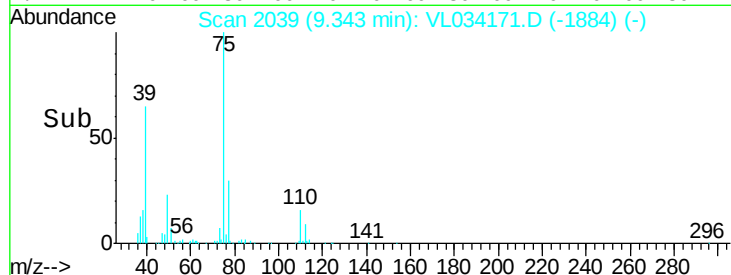
150000

100000

50000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 2.080 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

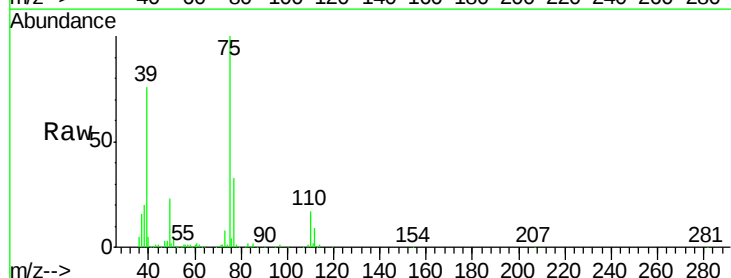
Tgt Ion: 75 Resp: 318527

Ion Ratio Lower Upper

75 100

39 75.5 65.0 97.4

77 33.0 24.5 36.7



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

8.77

200000

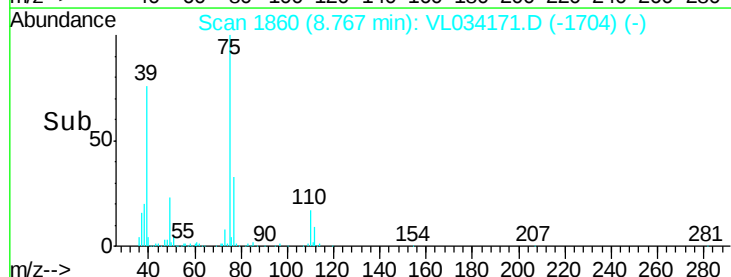
150000

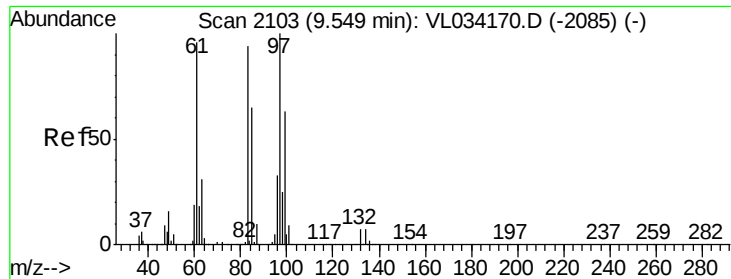
100000

50000

0

Time-->





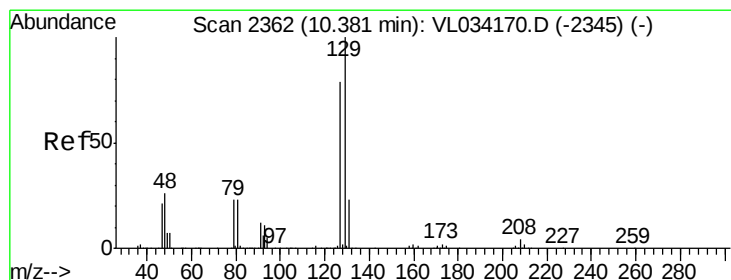
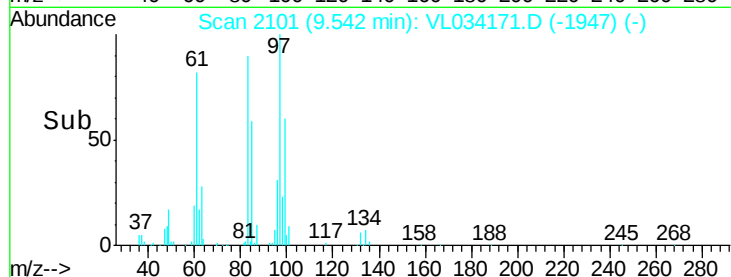
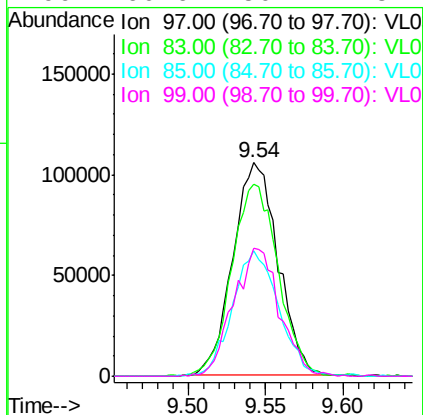
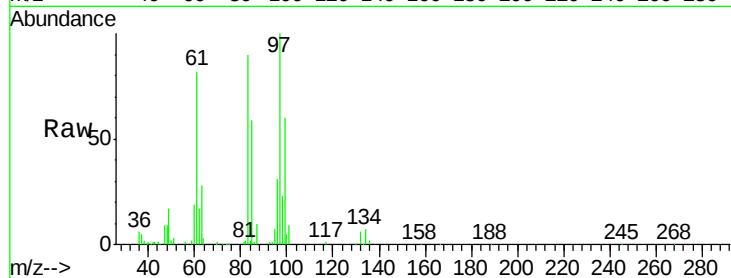
#47
 1,1,2-Trichloroethane
 Concen: 2.113 ppbv
 RT: 9.54 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.9	75.3	112.9
85	58.8	52.1	78.1
99	60.6	50.2	75.2

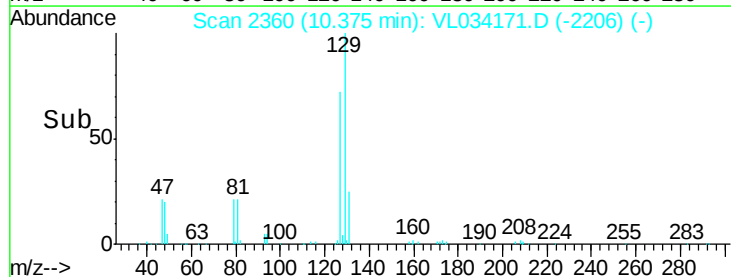
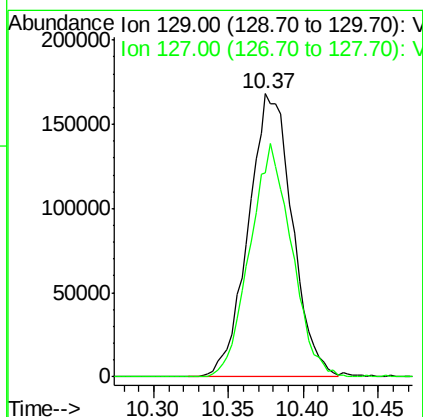
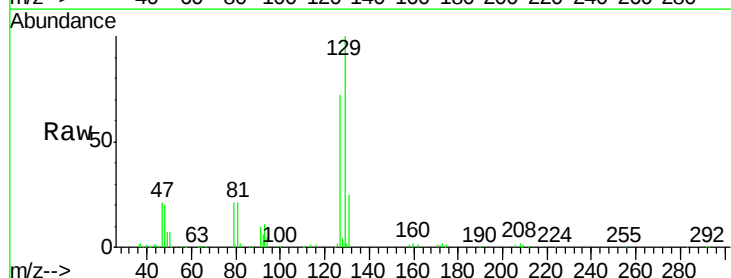
Manual Integrations
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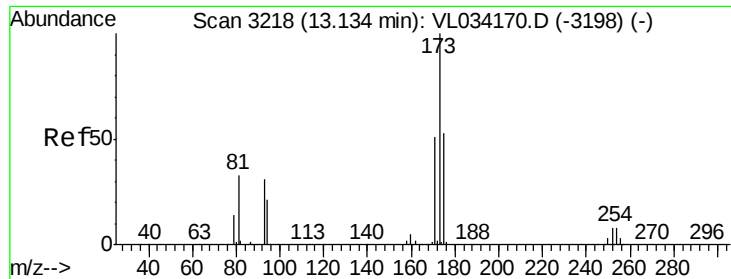
MMDadoda
 9/20/2019 12:43:54 AM



#48
 Dibromochloromethane
 Concen: 2.243 ppbv
 RT: 10.37 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6





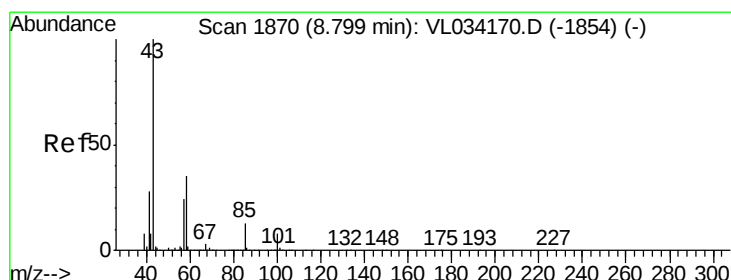
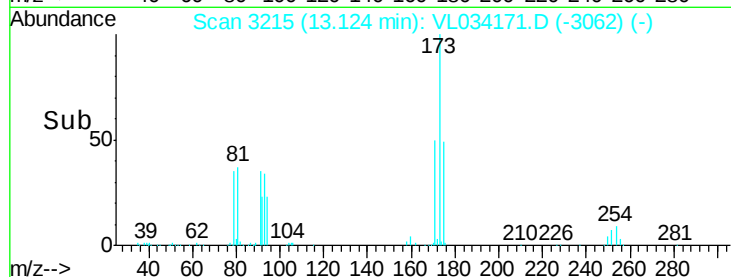
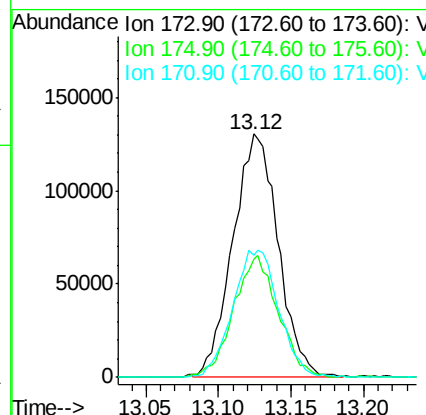
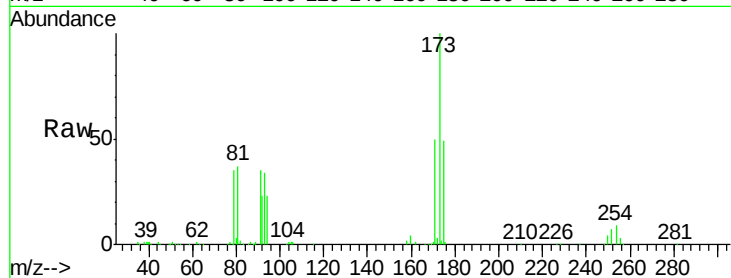
#49
Bromoform
Concen: 2.140 ppbv
RT: 13.12 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	40.3	60.5
171	53.0	42.0	63.0

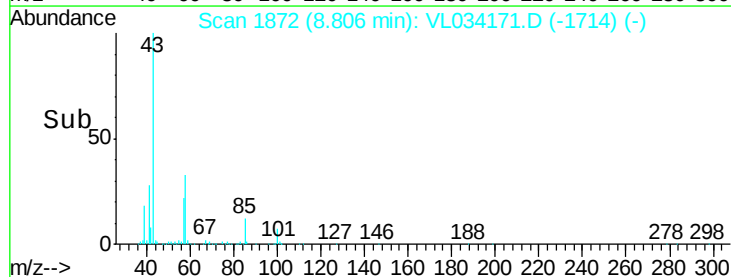
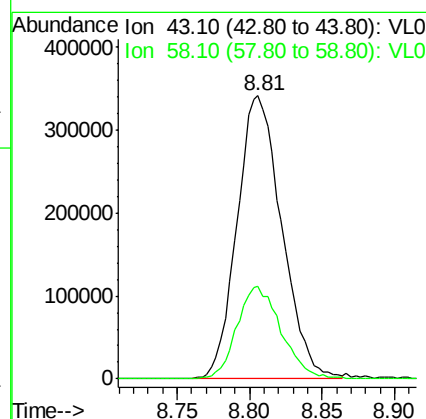
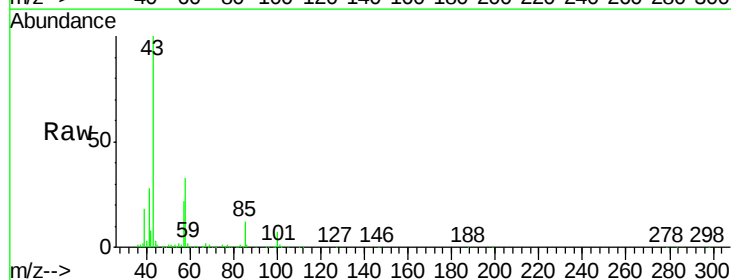
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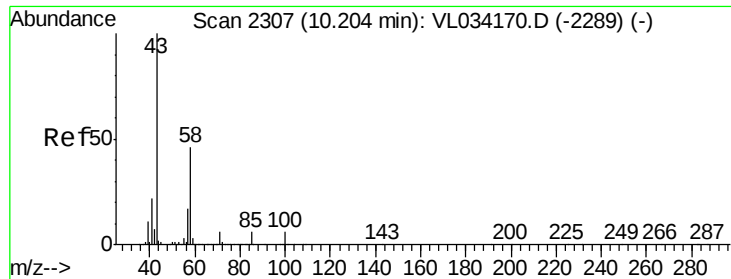
MMDadoda
9/20/2019 12:43:54 AM



#50
4-Methyl-2-Pentanone
Concen: 2.170 ppbv
RT: 8.81 min Scan# 1872
Delta R.T. 0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.6	41.4





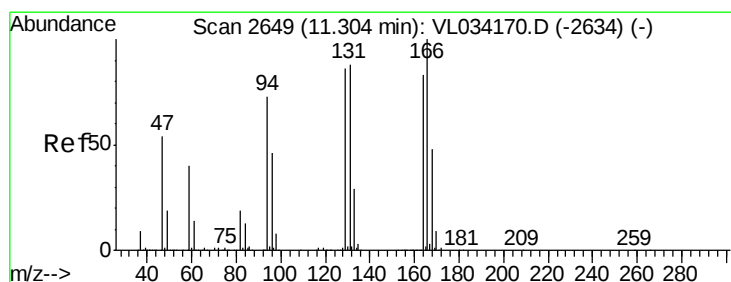
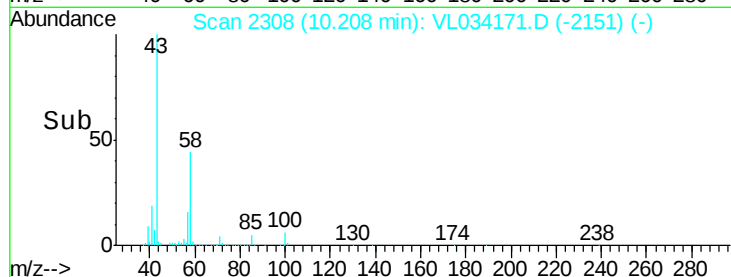
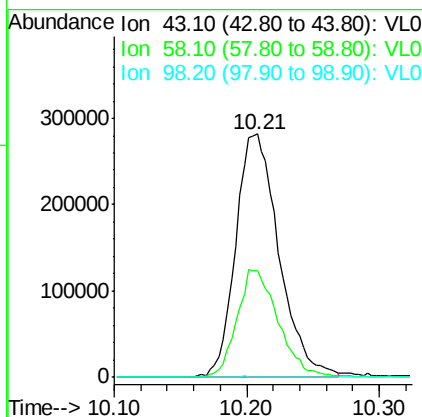
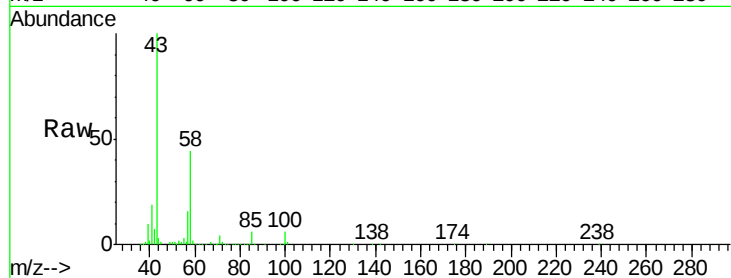
#51
2-Hexanone
Concen: 2.206 ppbv
RT: 10.21 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.3	36.2	54.4
98	0.2	0.2	0.2

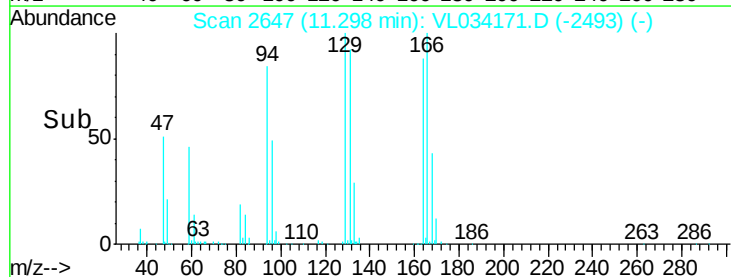
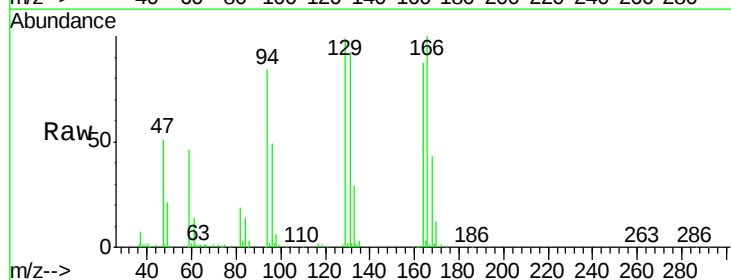
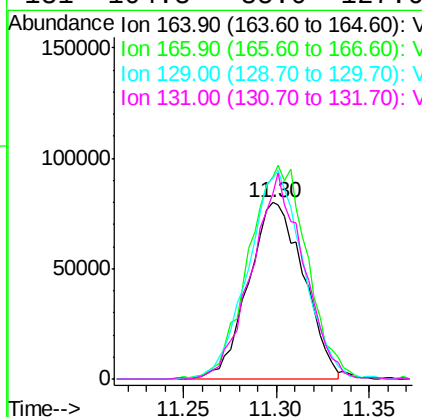
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#52
Tetrachloroethene
Concen: 1.824 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.4	96.7	145.1
129	113.8	82.8	124.2
131	104.8	85.0	127.6





#53

Toluene

Concen: 2.071 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 592063

Ion Ratio Lower Upper

91 100

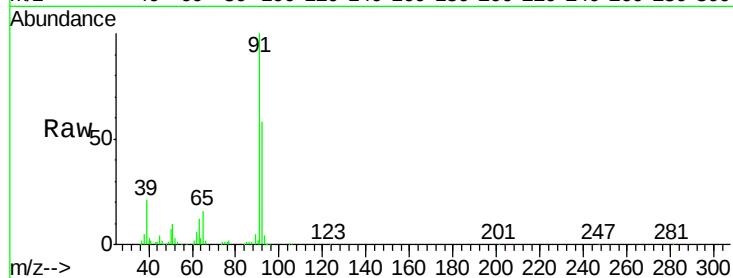
92 59.6 49.0 73.6

Manual Integrations

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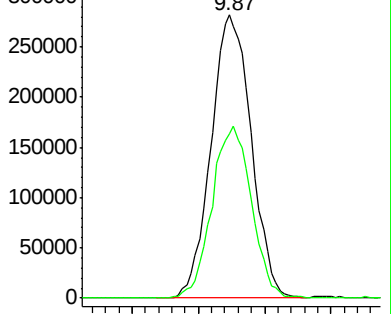
MMDadoda

9/20/2019 12:43:54 AM

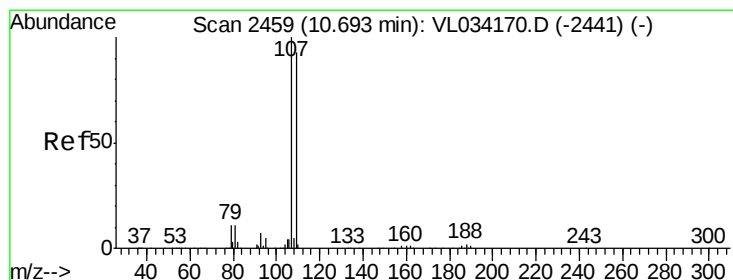
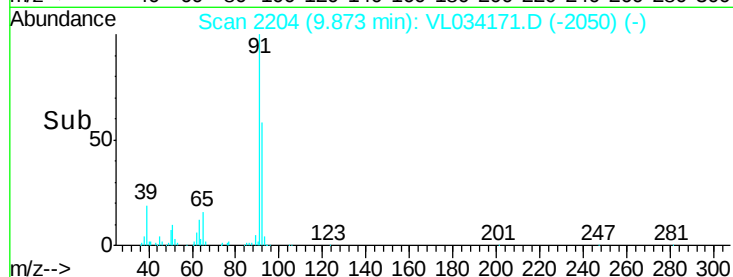


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



Time-->



#54

1,2-Dibromoethane

Concen: 2.115 ppbv

RT: 10.69 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VL034171.D

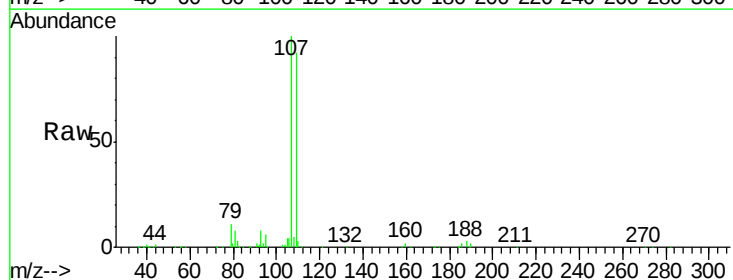
Acq: 17 Sep 2019 4:51

Tgt Ion: 107 Resp: 319460

Ion Ratio Lower Upper

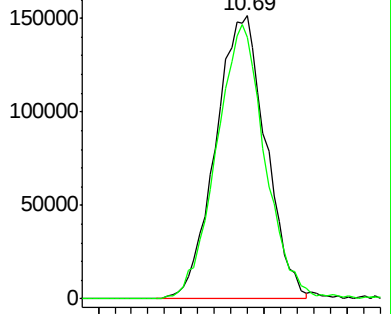
107 100

109 91.9 74.5 111.7

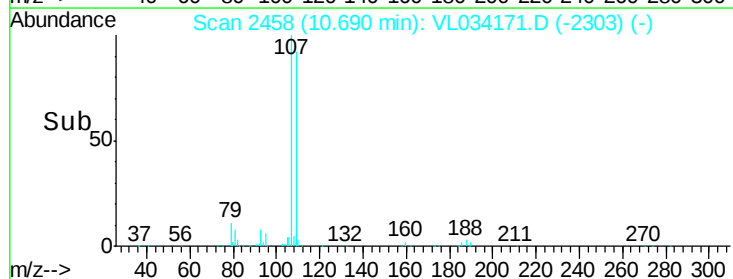


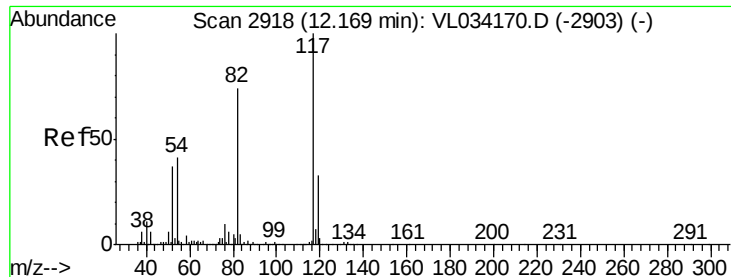
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





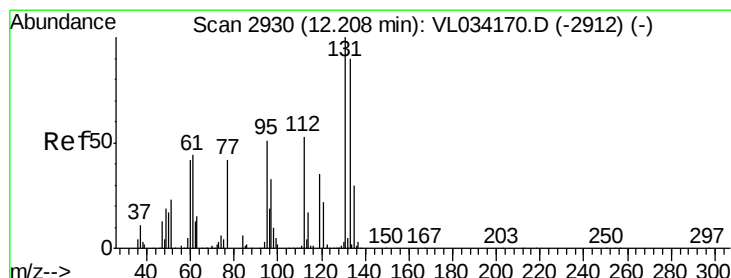
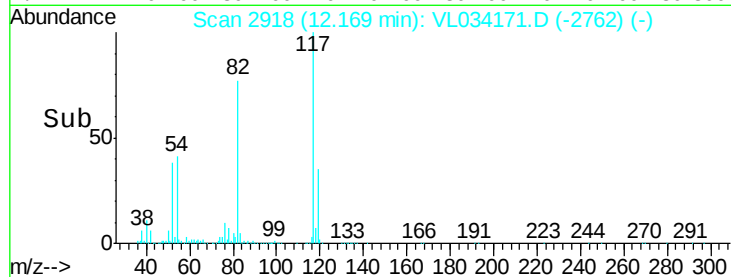
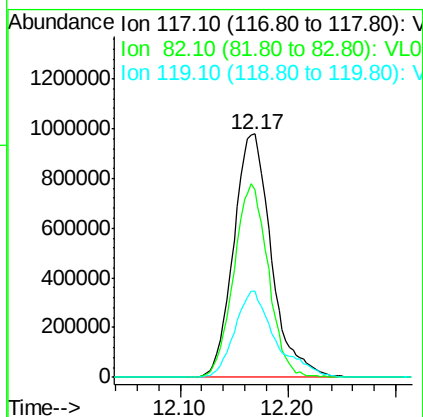
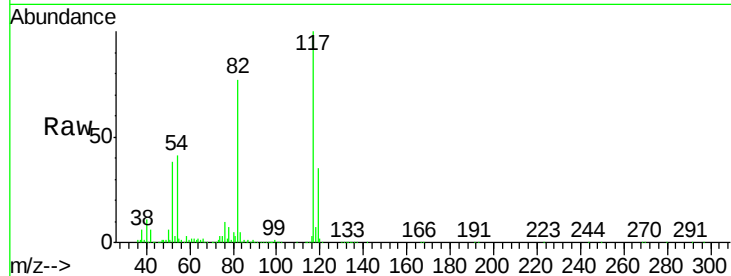
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 2389349
Ion Ratio Lower Upper
117 100
82 72.6 58.2 87.4
119 37.9 23.7 35.5#

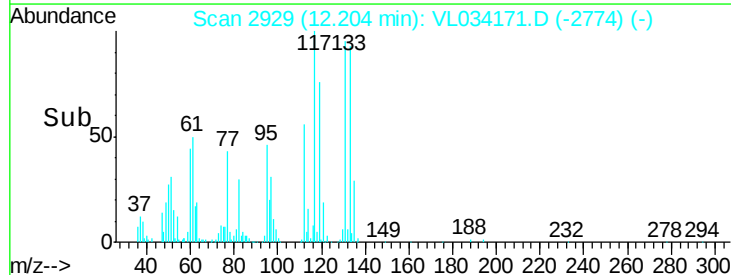
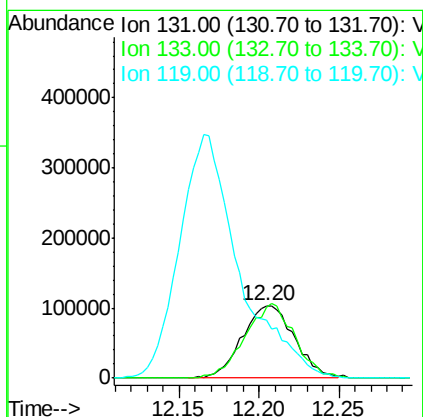
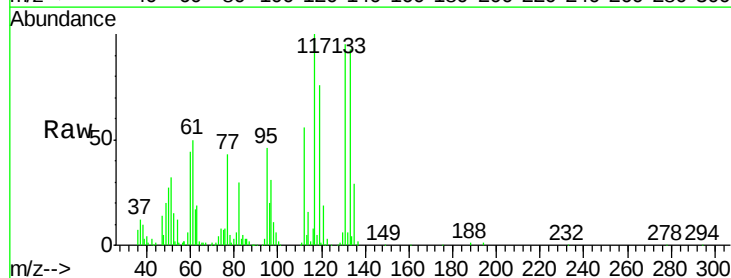
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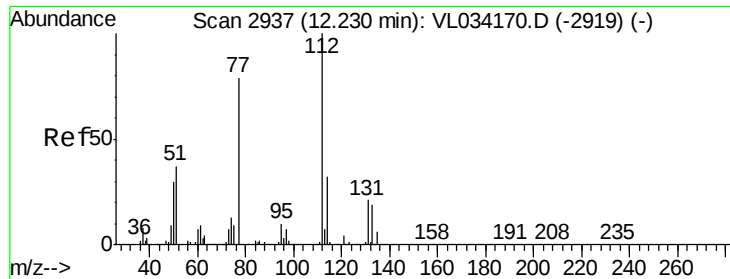
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.220 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion:131 Resp: 230078
Ion Ratio Lower Upper
131 100
133 98.1 75.1 112.7
119 393.4 47.4 71.0#





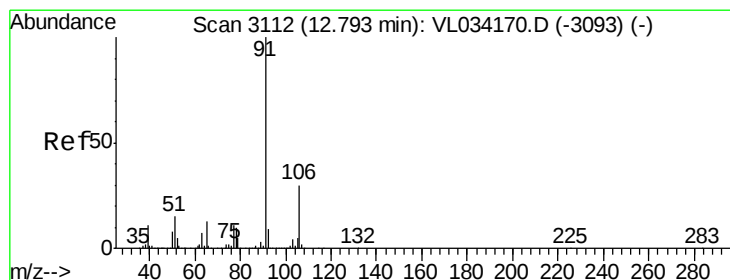
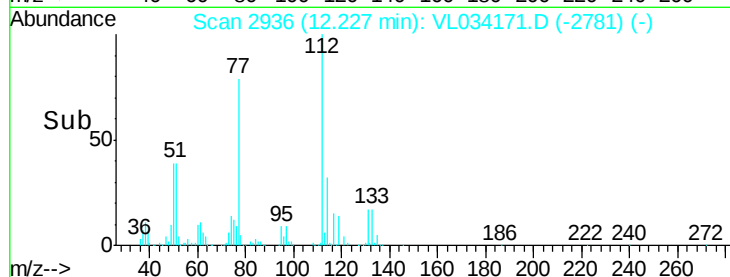
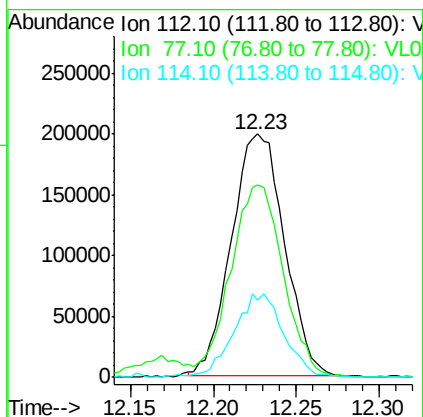
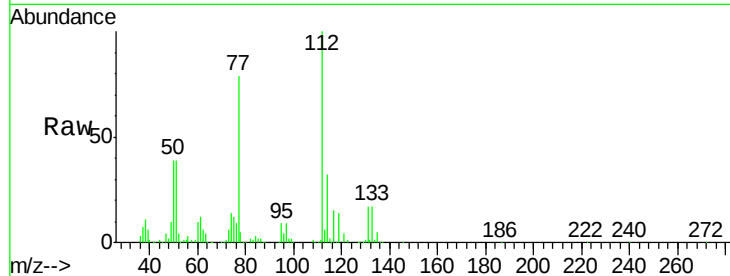
#57
Chlorobenzene
Concen: 2.127 ppbv
RT: 12.23 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	78.8	64.3	96.5
114	31.4	28.9	35.3

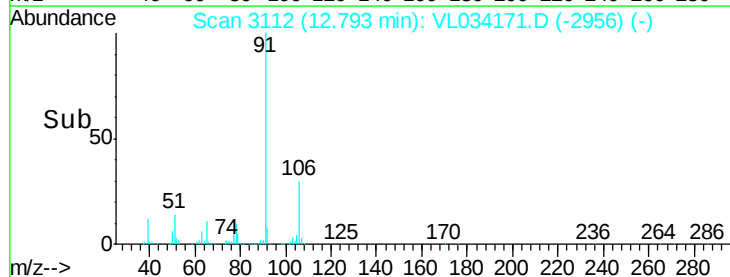
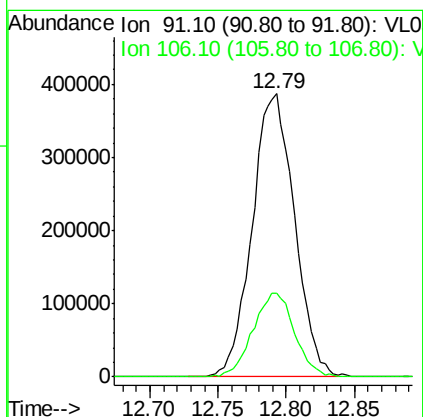
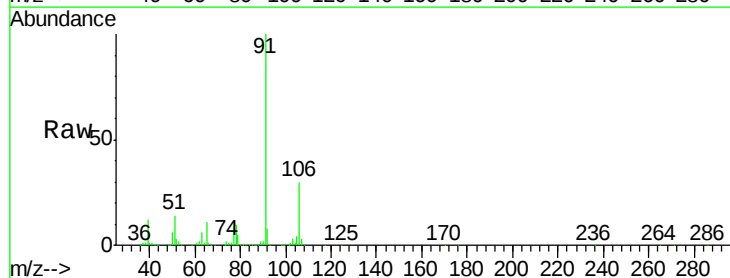
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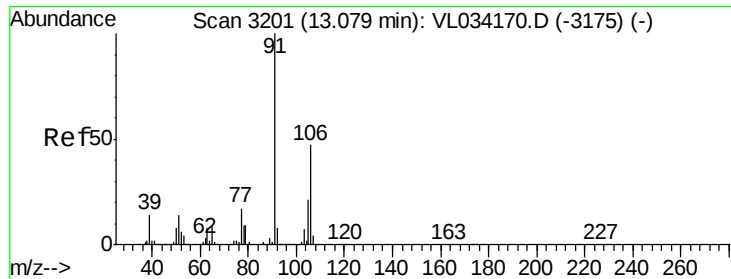
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9/20/2019 12:43:54 AM



#58
Ethyl Benzene
Concen: 2.122 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.2	36.4





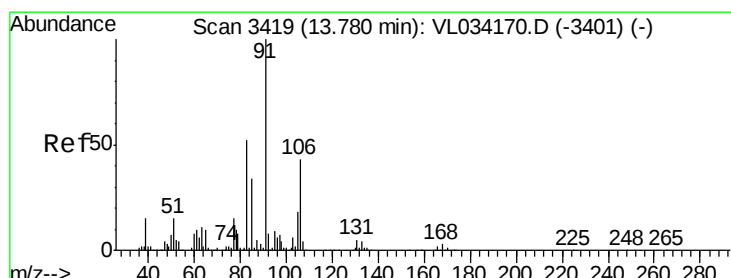
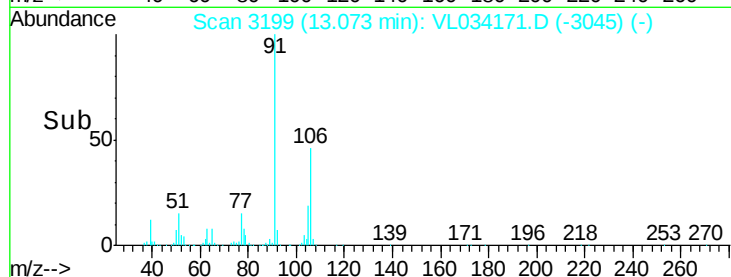
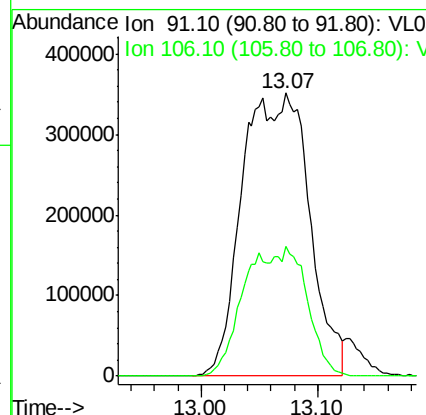
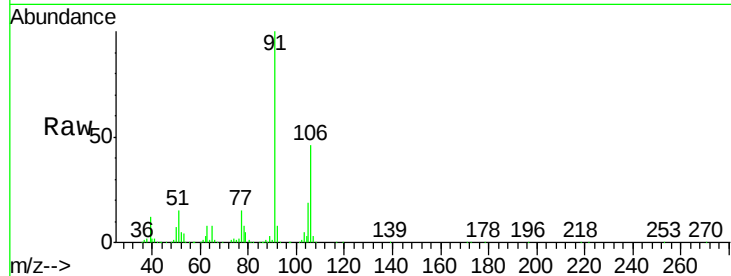
#59
m/p-Xylene
Concen: 4.391 ppbv m
RT: 13.07 min Scan# 3199
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1406343
Ion Ratio Lower Upper
91 100
106 42.7 35.5 53.3

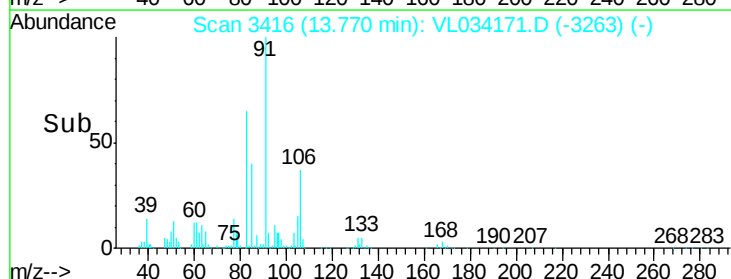
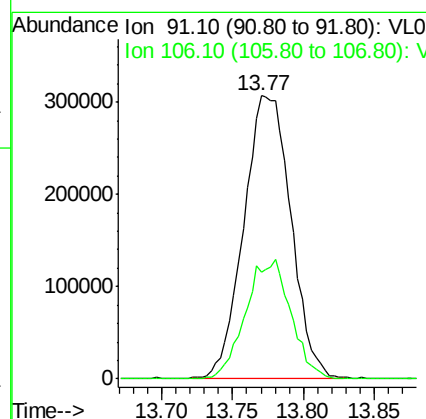
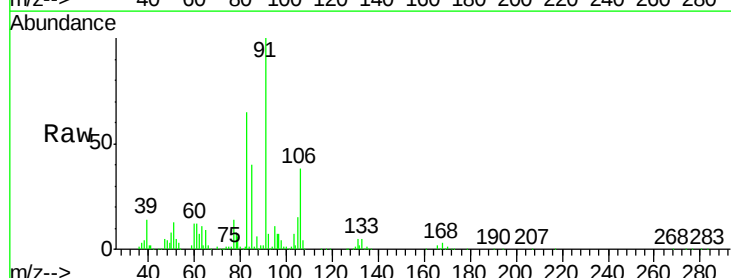
Manual Integrations
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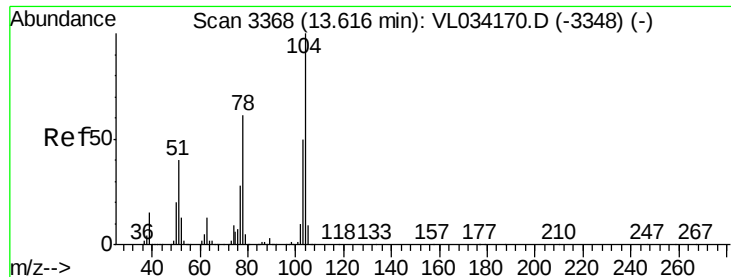
MMDadoda
9/20/2019 12:43:54 AM



#60
o-Xylene
Concen: 2.225 ppbv m
RT: 13.77 min Scan# 3416
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion: 91 Resp: 710683
Ion Ratio Lower Upper
91 100
106 40.2 21.2 63.6





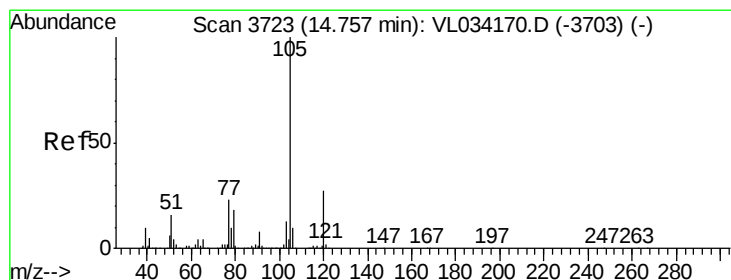
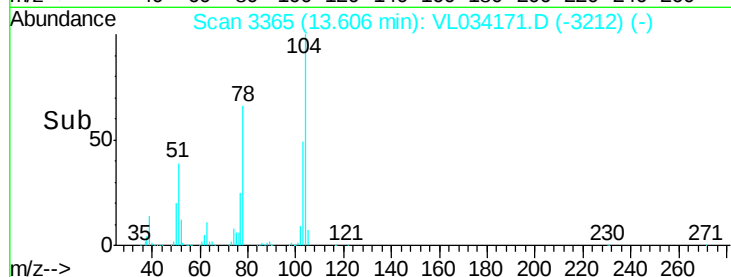
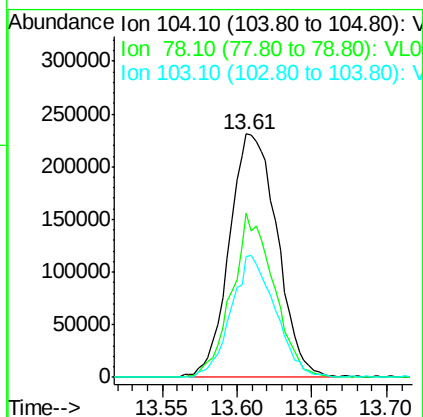
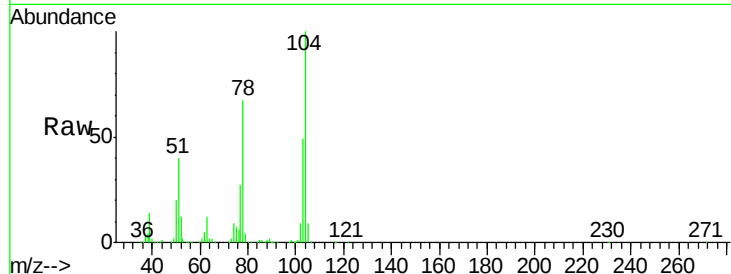
#61
Stvrene
Concen: 2.146 ppbv
RT: 13.61 min Scan# 3365
Delta R.T. -0.01 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.0	49.7	74.5
103	46.8	38.4	57.6

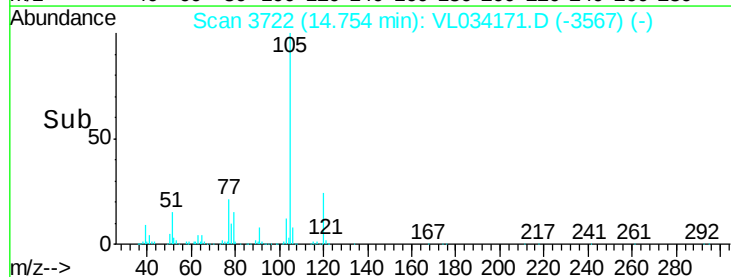
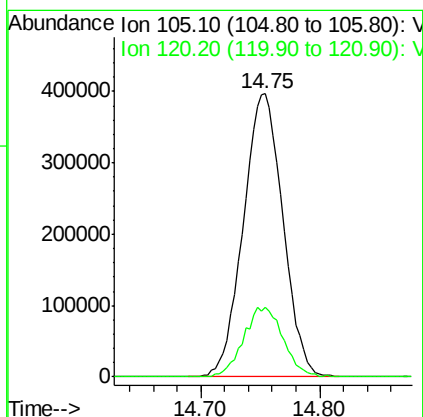
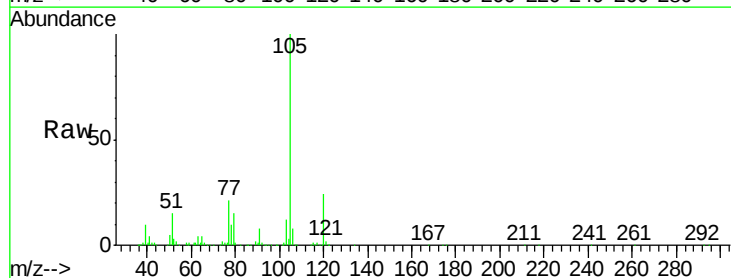
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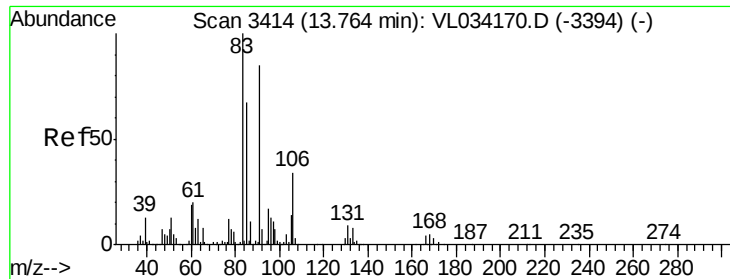
MMDadoda
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#62
Isopropylbenzene
Concen: 2.203 ppbv
RT: 14.75 min Scan# 3722
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 1.997 ppbv

RT: 13.76 min Scan# 3412

Delta R.T. -0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 520672
Ion Ratio Lower Upper

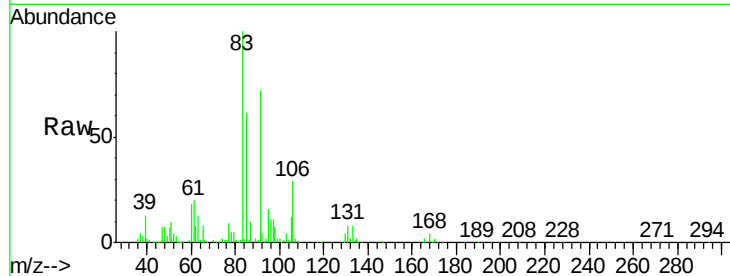
83 100

131 8.5 4.3 12.8

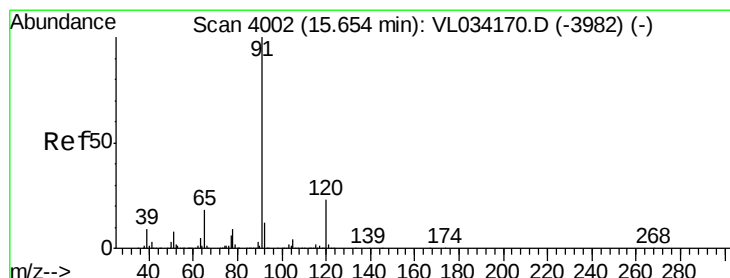
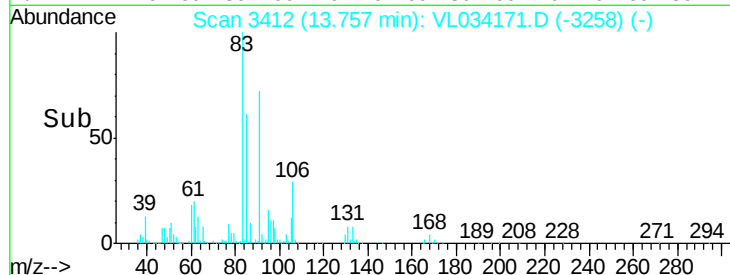
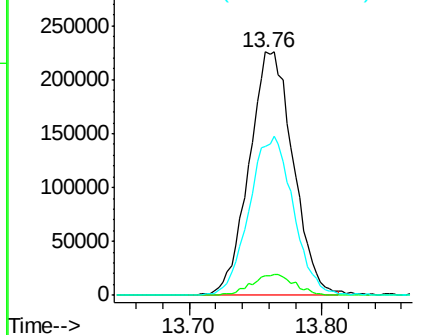
85 65.5 32.8 98.4

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.157 ppbv m

RT: 15.65 min Scan# 4000

Delta R.T. -0.01 min

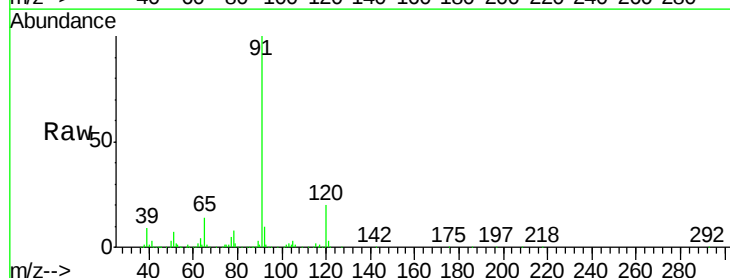
Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

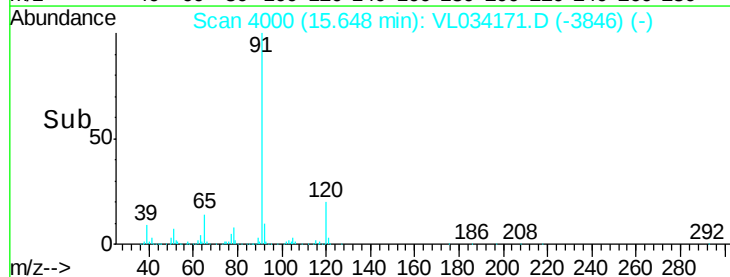
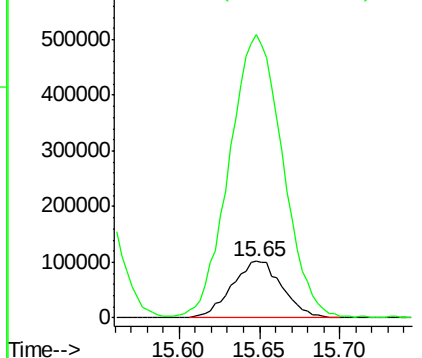
Tgt Ion:120 Resp: 224906
Ion Ratio Lower Upper

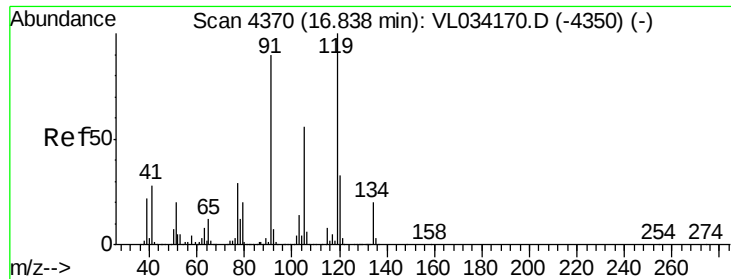
120 100

91 527.4 378.2 567.2



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





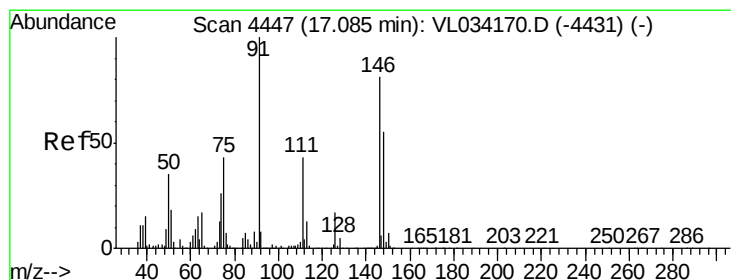
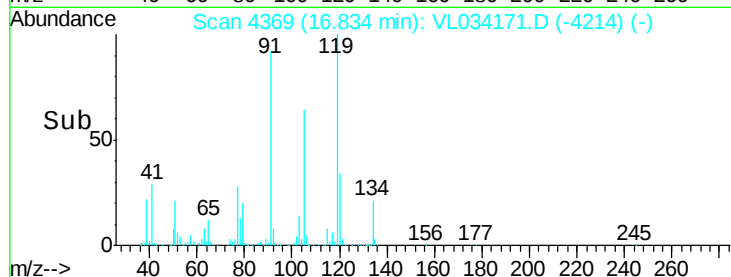
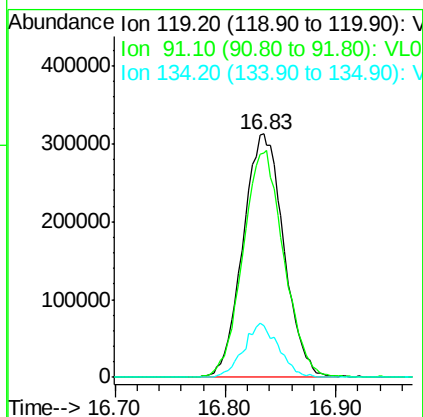
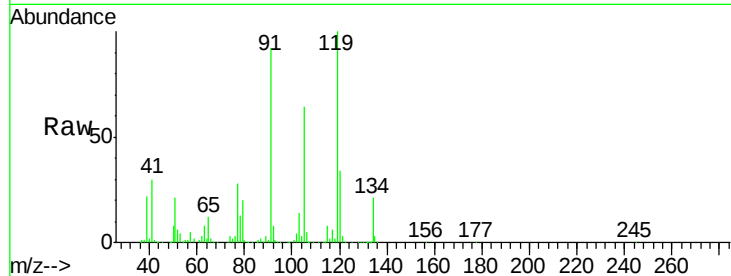
#65
tert-Butylbenzene
Concen: 2.232 ppbv
RT: 16.83 min Scan# 4369
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	93.3	74.9	112.3
134	19.1	15.8	23.6

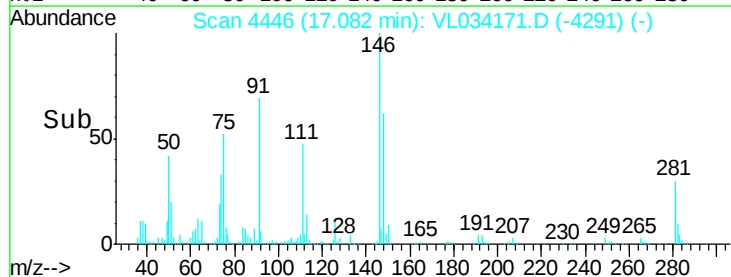
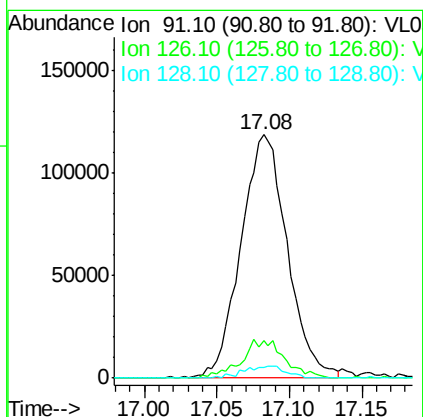
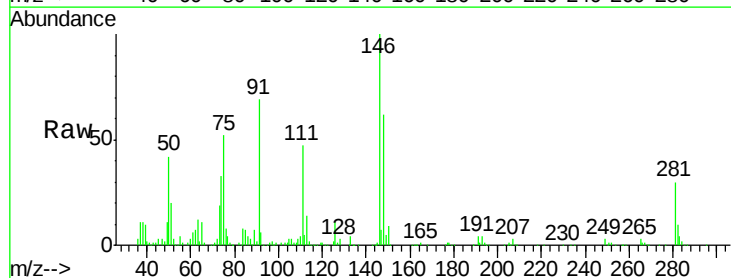
Manual Integrations
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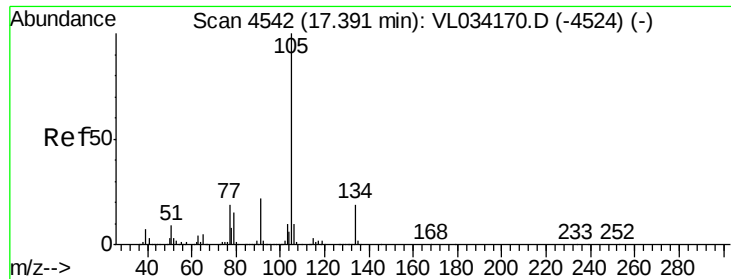
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#66
Benzyl Chloride
Concen: 2.020 ppbv
RT: 17.08 min Scan# 4446
Delta R.T. -0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	14.9	12.6	19.0
128	4.7	4.0	6.0





#67

sec-Butylbenzene

Concen: 2.244 ppbv

RT: 17.39 min Scan# 4541

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 105 Resp: 1162062

Ion Ratio Lower Upper

105 100

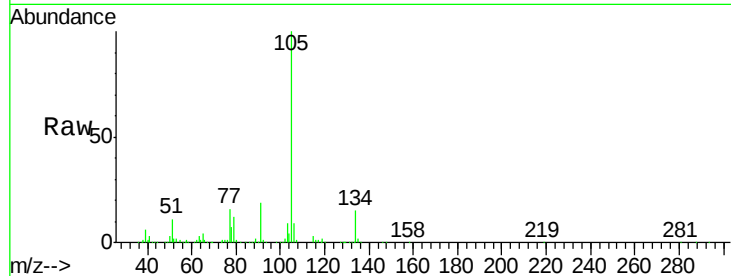
134 17.3 14.6 22.0

Manual Integrations

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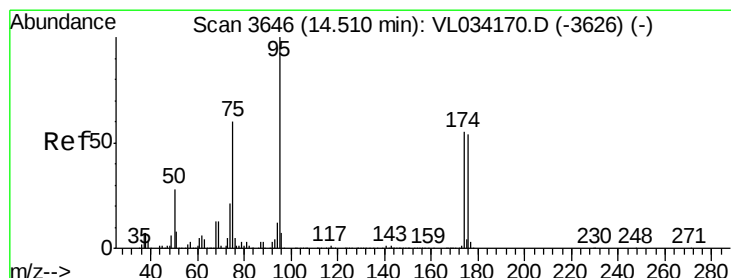
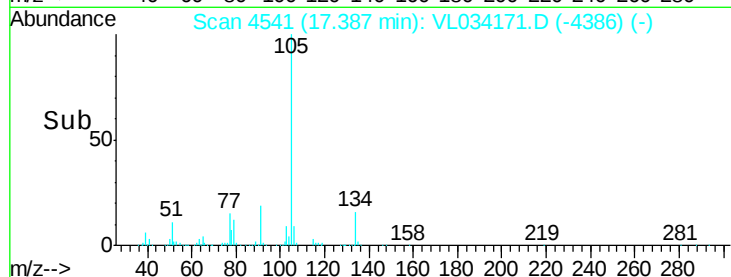
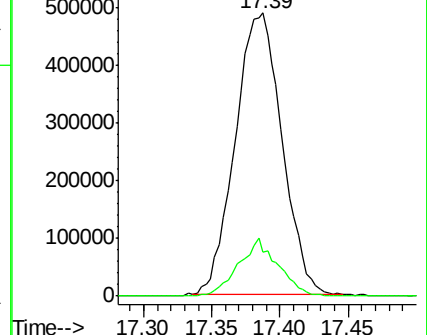
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.193 ppbv

RT: 14.50 min Scan# 3644

Delta R.T. -0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

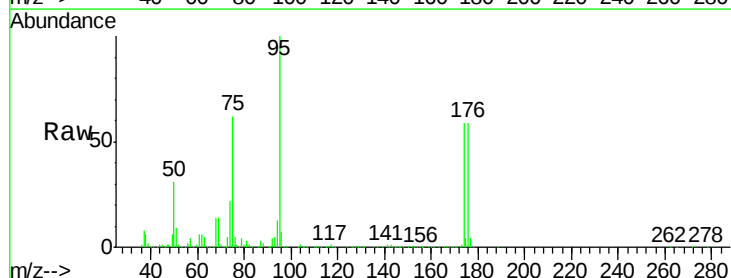
Tgt Ion: 95 Resp: 2008380

Ion Ratio Lower Upper

95 100

174 58.3 45.1 67.7

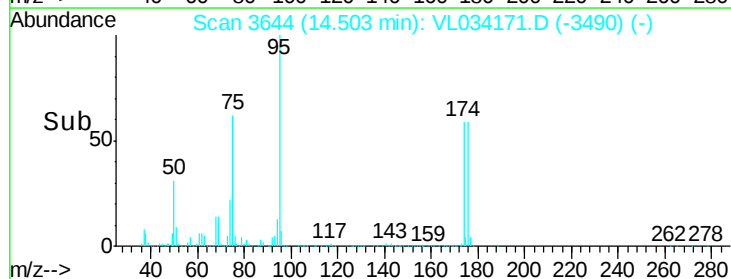
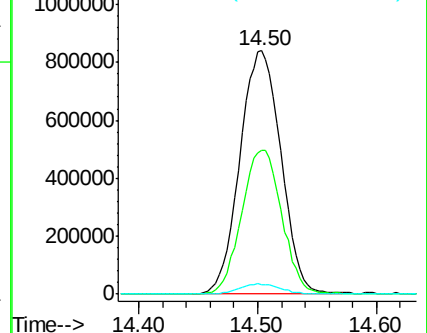
175 4.1 3.3 4.9

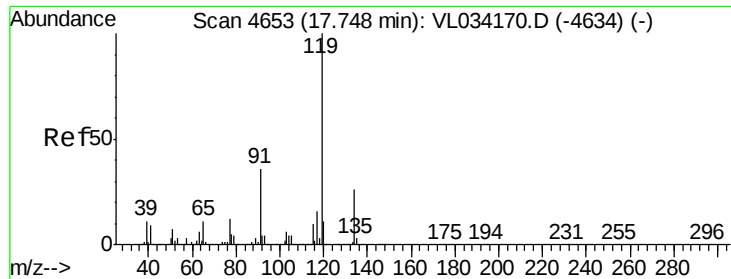


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





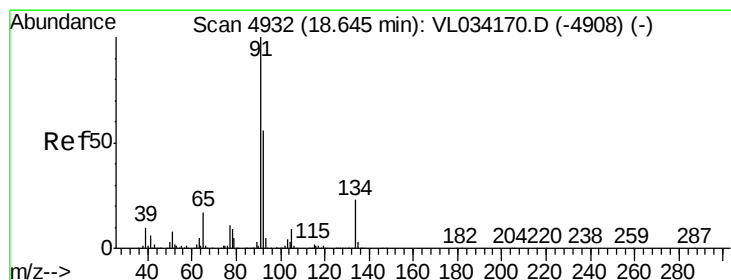
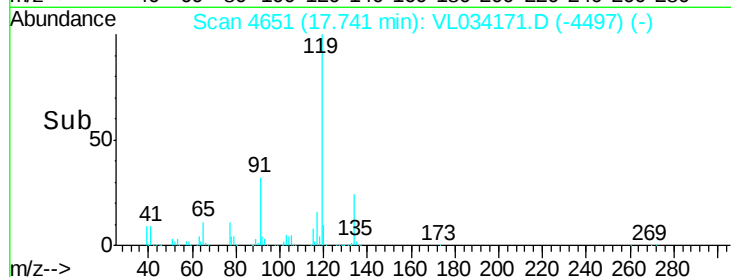
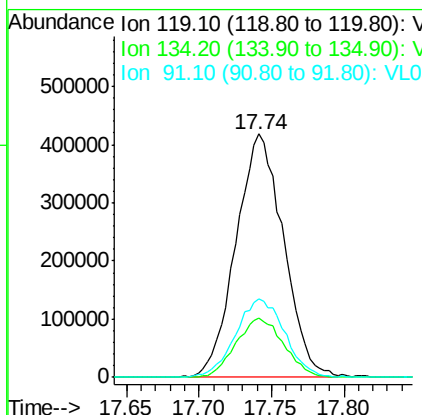
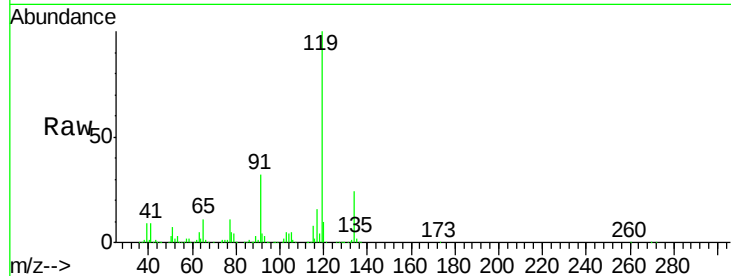
#69
 p-Isopropyltoluene
 Concen: 2.277 ppbv
 RT: 17.74 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	943944		
134	24.9	20.6	30.8	
91	33.9	27.6	41.4	

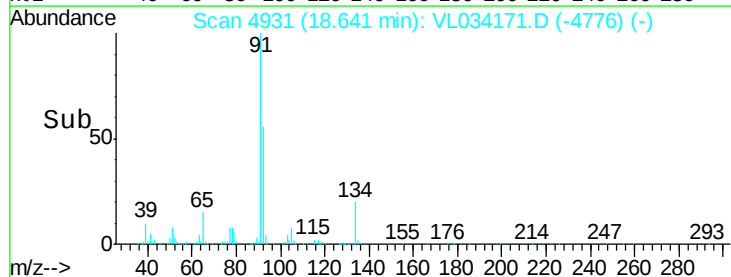
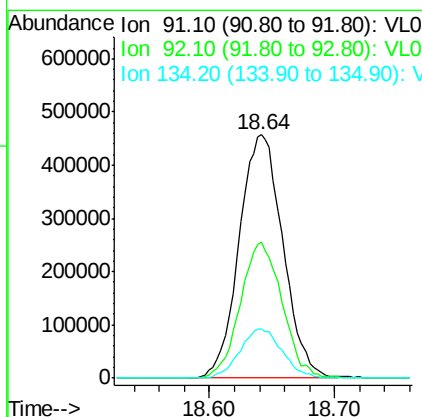
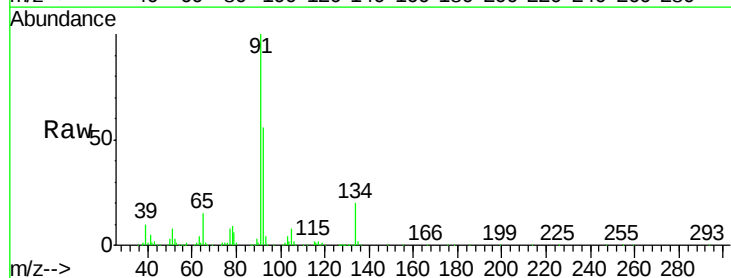
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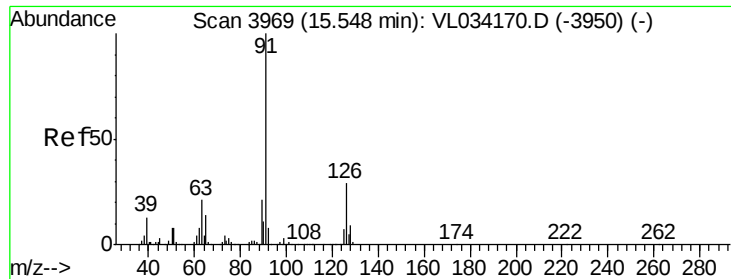
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#70
 n-Butylbenzene
 Concen: 2.321 ppbv
 RT: 18.64 min Scan# 4931
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1099349		
92	53.8	44.8	67.2	
134	19.9	17.3	25.9	





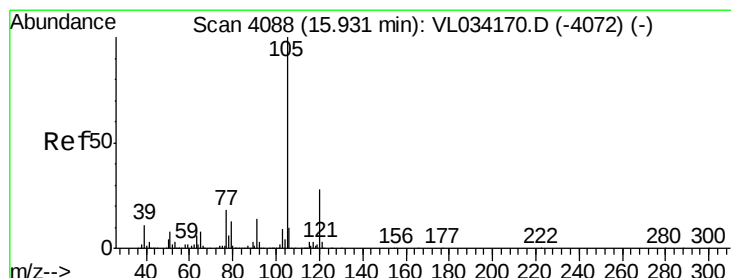
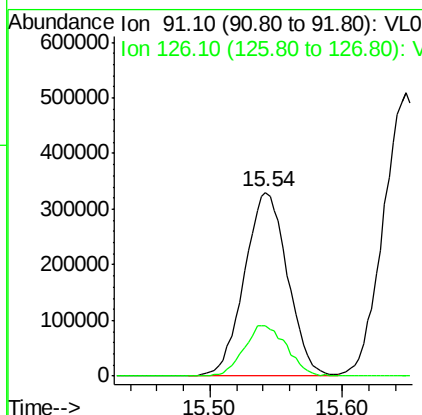
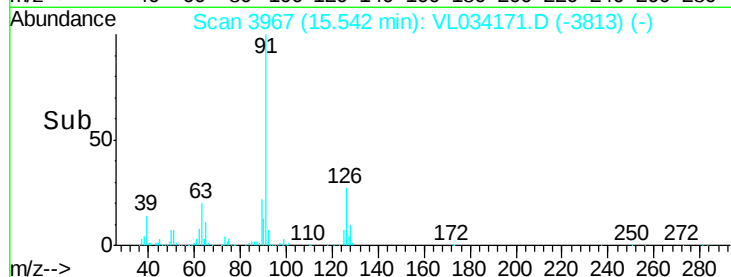
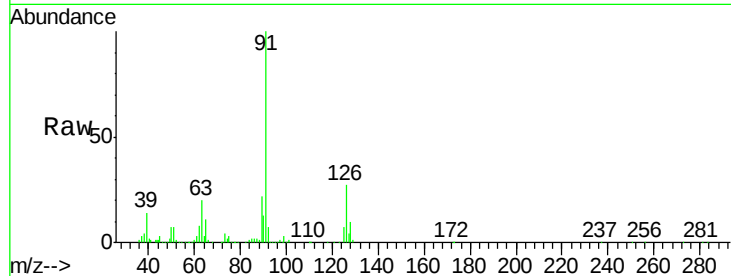
#71
 2-Chlorotoluene
 Concen: 2.187 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 91 Resp: 742868
 Ion Ratio Lower Upper
 91 100
 126 27.5 11.2 45.0

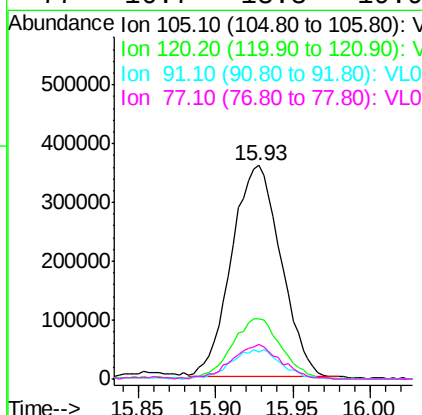
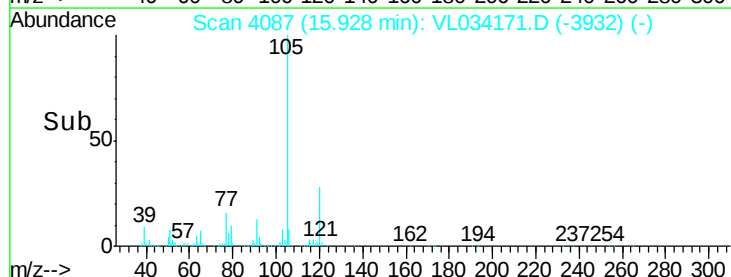
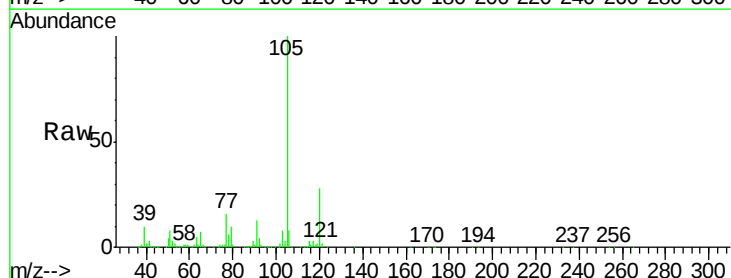
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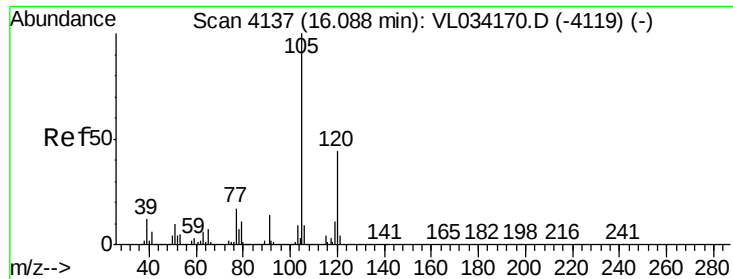
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#72
 4-Ethyltoluene
 Concen: 2.214 ppbv
 RT: 15.93 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion: 105 Resp: 799114
 Ion Ratio Lower Upper
 105 100
 120 28.6 23.3 34.9
 91 14.3 11.4 17.2
 77 16.7 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 2.235 ppbv

RT: 16.09 min Scan# 4136

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 783706

Ion Ratio Lower Upper

105 100

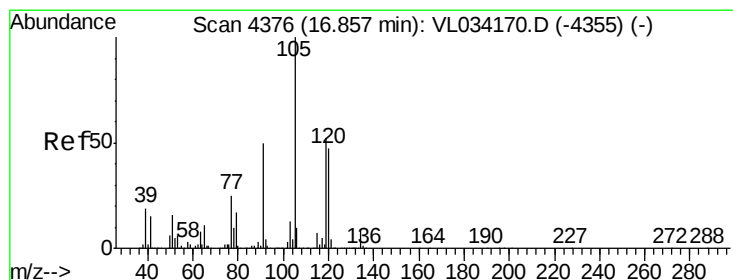
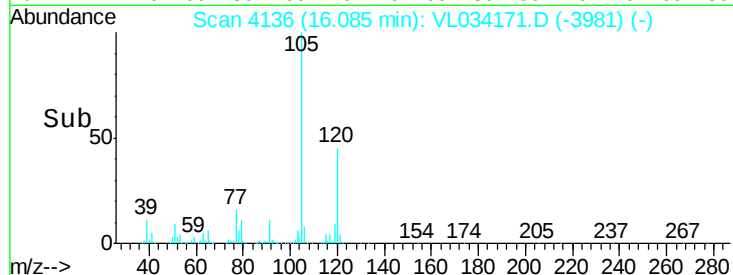
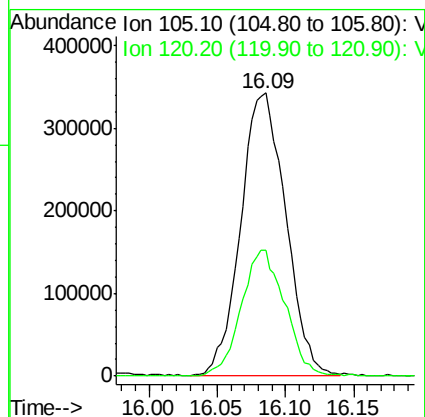
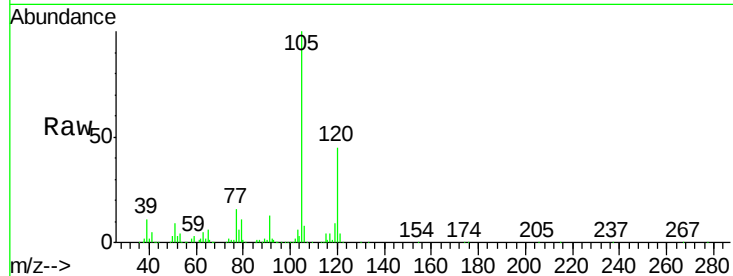
120 44.8 35.6 53.4

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#74

1,2,4-Trimethylbenzene

Concen: 2.257 ppbv

RT: 16.85 min Scan# 4375

Delta R.T. -0.00 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Tgt Ion:105 Resp: 817739

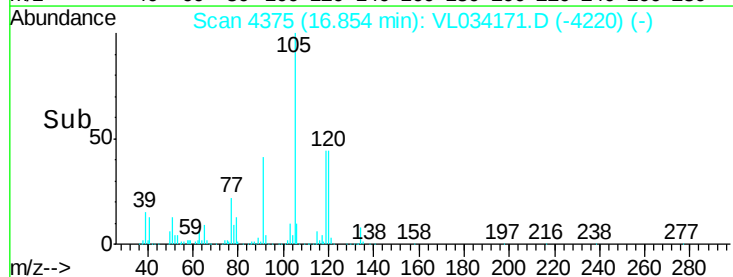
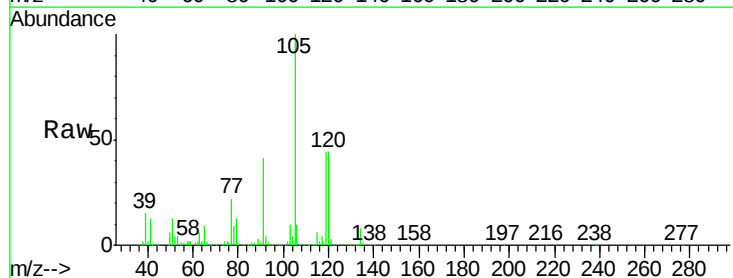
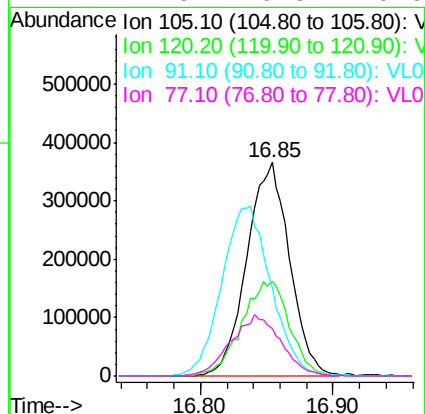
Ion Ratio Lower Upper

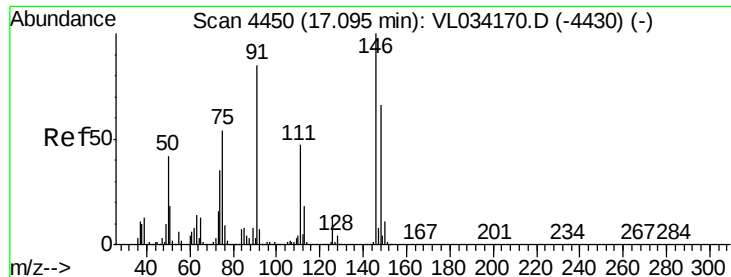
105 100

120 44.3 37.5 56.3

91 40.3 41.1 61.7#

77 21.9 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 2.227 ppbv

RT: 17.09 min Scan# 4447

Delta R.T. -0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Instrument :

MSVOA_L

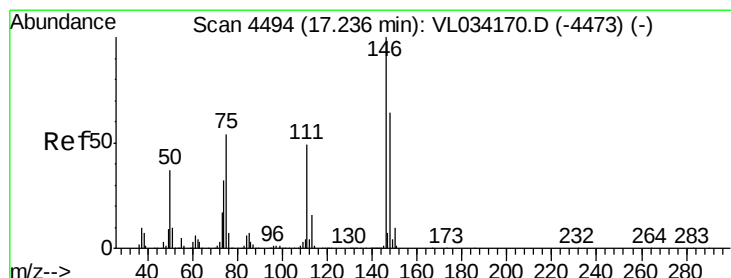
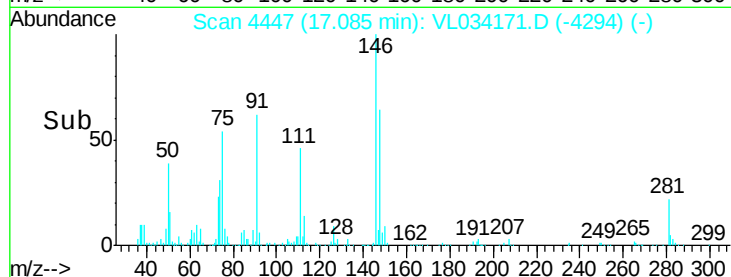
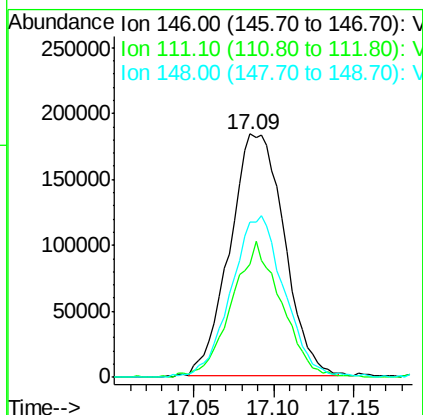
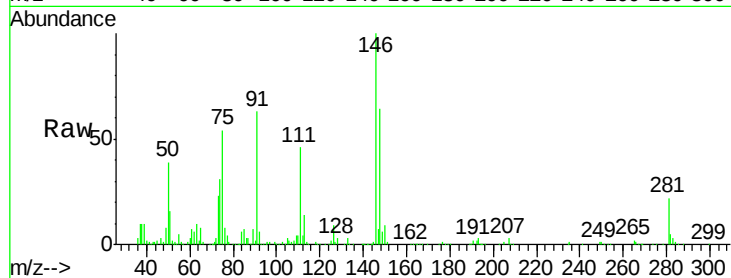
ClientSampleID :

VSTDIC002

Tot Ion:	146	Resp:	427629
Ion Ratio	Lower	Upper	
146	100		
111	51.5	25.9	77.8
148	65.4	32.6	97.7

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#76

1,4-Dichlorobenzene

Concen: 2.176 ppbv

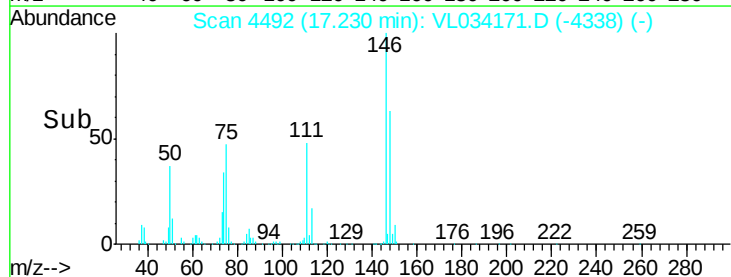
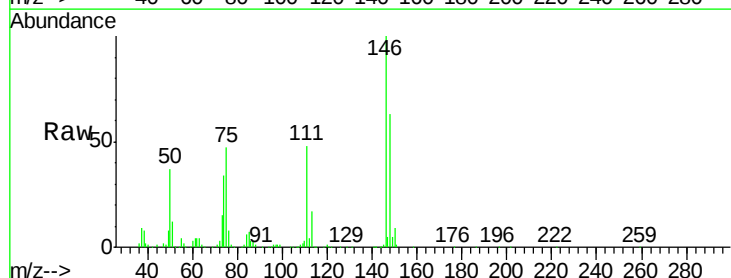
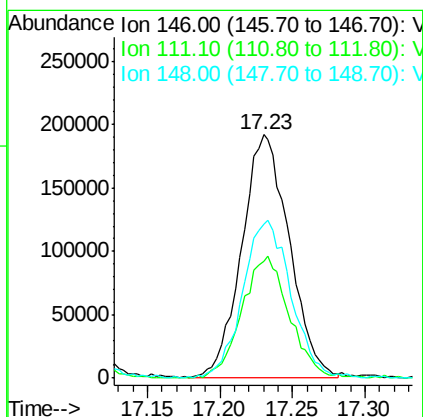
RT: 17.23 min Scan# 4492

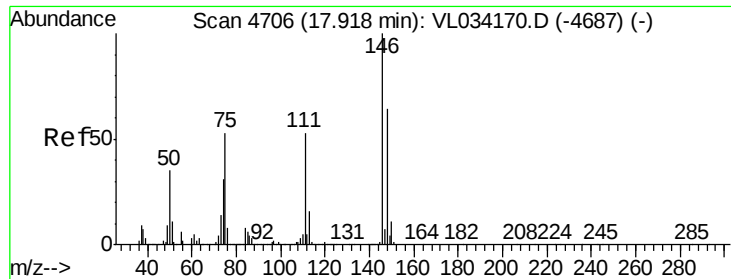
Delta R.T. -0.01 min

Lab File: VL034171.D

Acq: 17 Sep 2019 4:51

Tgt Ion:	146	Resp:	437047
Ion Ratio	Lower	Upper	
146	100		
111	50.4	24.6	74.0
148	66.5	32.4	97.0





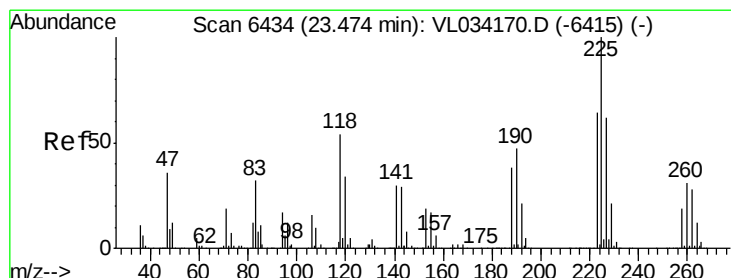
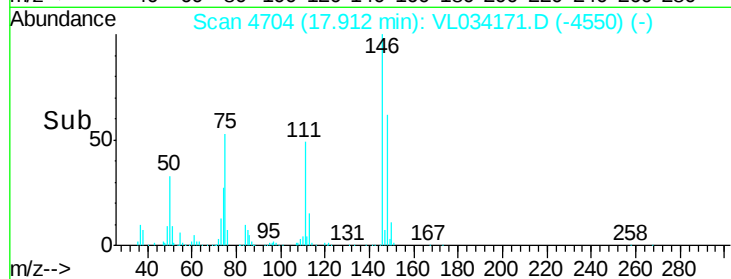
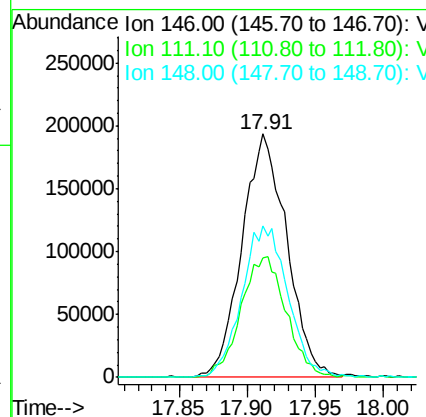
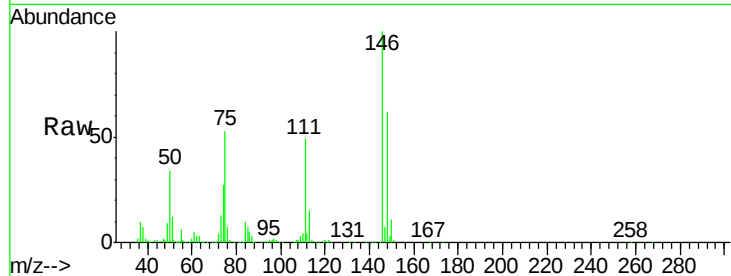
#77
 1,2-Dichlorobenzene
 Concen: 2.236 ppbv
 RT: 17.91 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	26.1	78.3
148	64.8	31.9	95.9

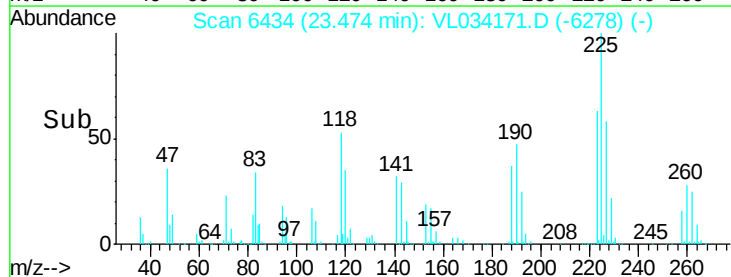
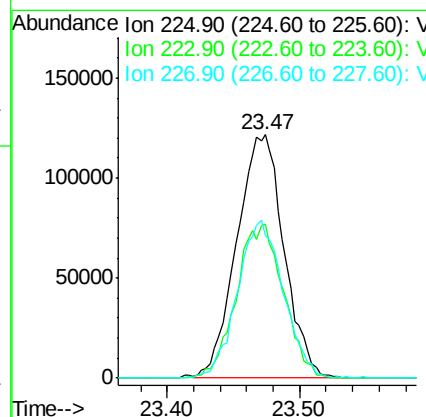
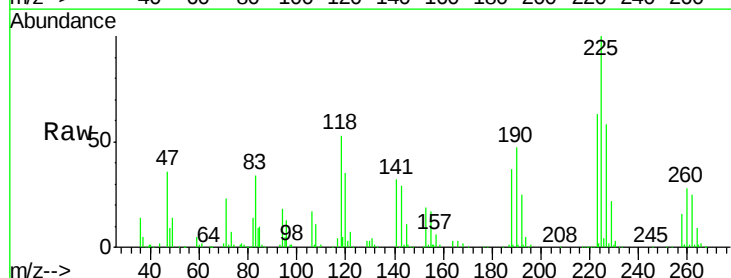
Manual Integrations
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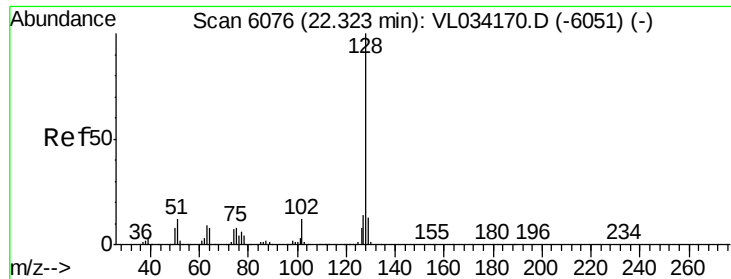
MMDadoda
 9/20/2019 12:43:54 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.264 ppbv
 RT: 23.47 min Scan# 6434
 Delta R.T. 0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.7	77.5
227	63.3	52.1	78.1





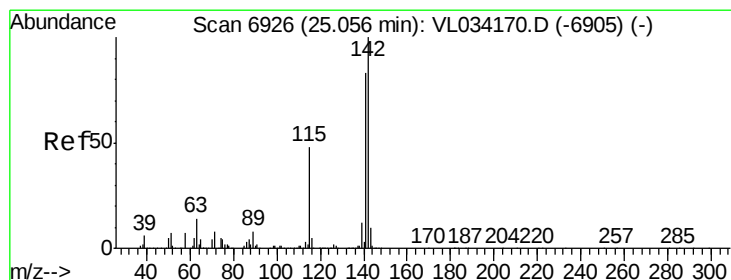
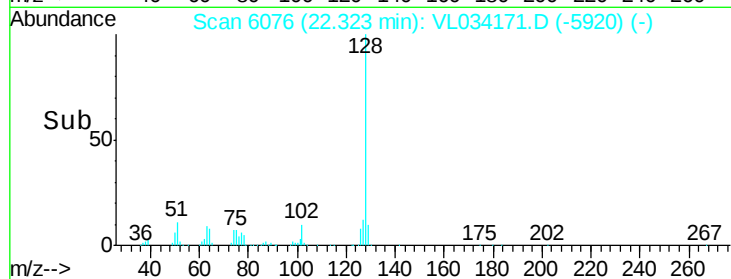
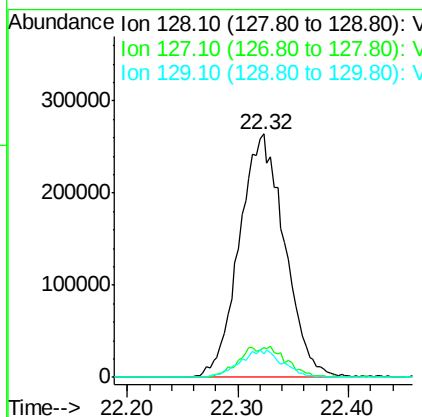
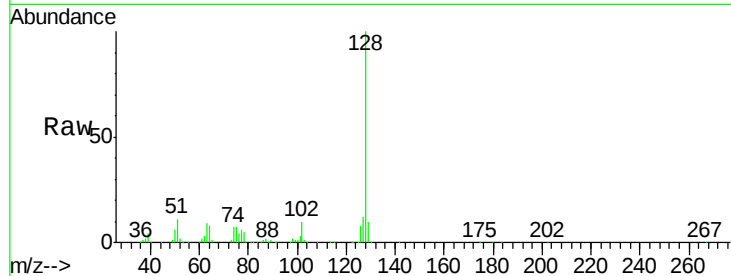
#79
Naphthalene
Concen: 2.307 ppbv
RT: 22.32 min Scan# 6076
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
128	100	747924		
127	12.3		11.1	16.7
129	9.7		10.2	15.4

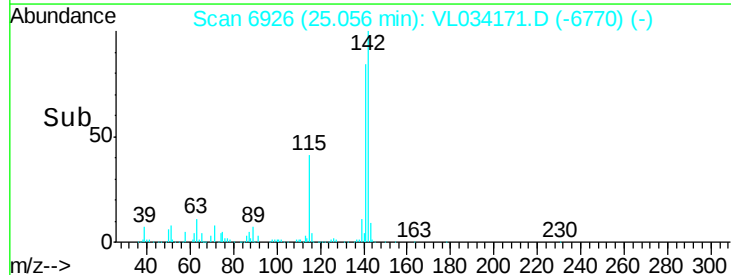
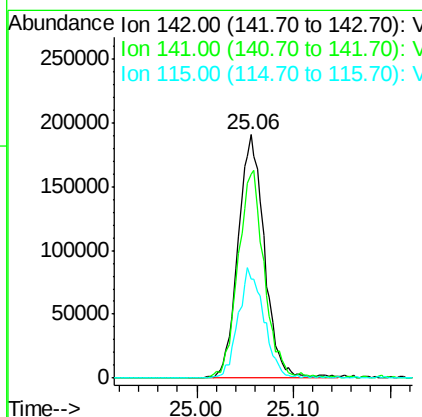
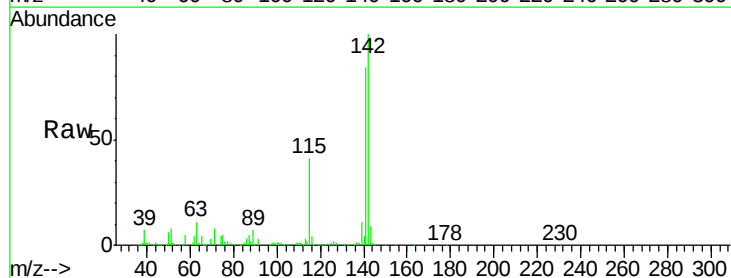
Manual Integrations
APPROVED

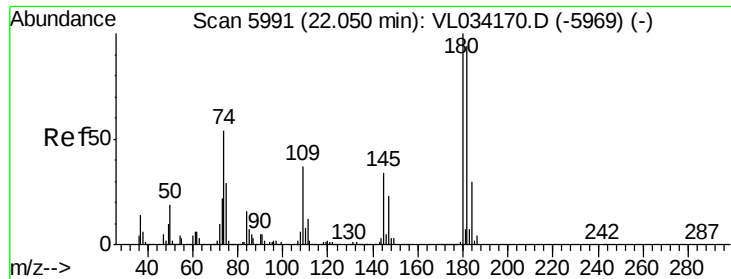
MMDadoda
9/20/2019 12:43:54 AM



#80
Naphthalene, 2-methyl-
Concen: 3.278 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. 0.00 min
Lab File: VL034171.D
Acq: 17 Sep 2019 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	359863		
141	85.6		67.6	101.4
115	44.5		36.9	55.3





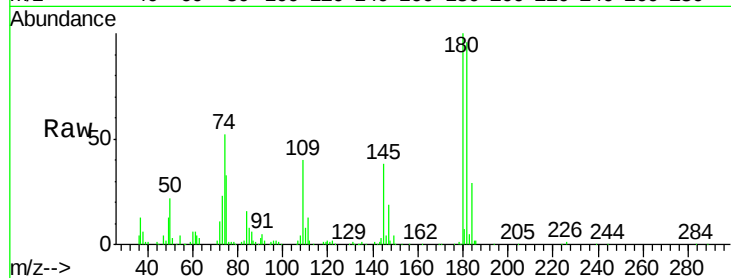
#81
 1,2,4-Trichlorobenzene
 Concen: 2.275 ppbv m
 RT: 22.05 min Scan# 5990
 Delta R.T. -0.00 min
 Lab File: VL034171.D
 Acq: 17 Sep 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

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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

