

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034372.D
 Acq On : 25 Oct 2019 20:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 10/31/2019 3:36:52 PM

Quant Time: Oct 27 19:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	943093	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1904746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2093006	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1661727	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1629304	10.021	ppbv	100
3) Chlorodifluoromethane	2.96	51	1049263	9.492	ppbv	98
4) Chloromethane	3.12	50	555910	8.502	ppbv	96
5) Vinyl Chloride	3.24	62	541402	8.684	ppbv	97
6) Bromomethane	3.46	94	296977	9.728	ppbv	94
7) Chloroethane	3.54	64	200963	9.158	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1240879	8.808	ppbv	98
9) Propene	2.99	41	423758	8.648	ppbv	96
10) Heptane	8.16	43	1156131	9.193	ppbv	100
11) Trichlorofluoromethane	3.94	101	1404121	9.096	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	934482	9.240	ppbv	99
13) Ethanol	3.60	45	120633	10.995	ppbv	93
14) Bromoethene	3.73	108	384248	9.650	ppbv	98
15) Acetone	3.84	43	1023437	7.587	ppbv	99
16) 1,3-Butadiene	3.31	39	506404	9.239	ppbv	99
17) tert-Butyl alcohol	4.29	59	950556	11.041	ppbv	100
18) 1,1-Dichloroethene	4.29	96	409957	9.258	ppbv	99
19) Isopropyl Alcohol	3.96	45	800027	10.631	ppbv	100
20) Methylene Chloride	4.34	84	365636	7.498	ppbv	95
21) Allyl Chloride	4.41	41	713631	9.569	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	416404	9.428	ppbv	95
23) Vinyl Acetate	5.08	43	1588038	9.427	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1131844	9.053	ppbv	99
25) Ethyl Acetate	5.69	43	1963508	8.622	ppbv	99
26) Hexane	5.70	57	857304	8.832	ppbv	98
27) Carbon Disulfide	4.55	76	1040487	10.325	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1425034	9.700	ppbv	99
29) Chloroform	5.77	83	1403892	9.143	ppbv	98
30) Cyclohexane	7.17	84	681973	9.553	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	929830	9.439	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1369798	9.174	ppbv	99
34) 2-Butanone	5.26	43	1336729	8.586	ppbv	99
35) Carbon Tetrachloride	7.05	117	1418524	8.550	ppbv	97
36) Benzene	6.92	78	1639037	8.969	ppbv	98
37) 1,2-Dichloroethane	6.33	62	1201317	8.820	ppbv	100
38) Trichloroethene	7.88	130	645720	8.805	ppbv	96
39) 1,2-Dichloropropane	7.65	63	685991	8.717	ppbv	92
40) 1,4-Dioxane	7.87	88	286567m	10.362	ppbv	
41) Tetrahydrofuran	6.07	42	763376	8.835	ppbv	97
42) Bromodichloromethane	7.83	83	1554398	9.318	ppbv	98
43) Methyl Methacrylate	8.06	69	710018	9.394	ppbv	99

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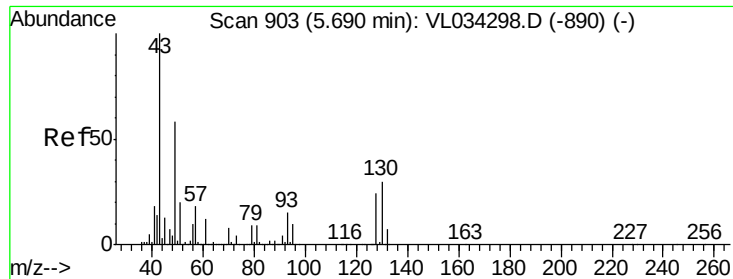
Manual Integrations
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Quant Time: Oct 27 19:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	2976326	8.799	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	912338	9.907	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1041735	9.846	ppbv	97
47) 1,1,2-Trichloroethane	9.53	97	702940	8.819	ppbv	98
48) Dibromochloromethane	10.37	129	1283029	9.812	ppbv	98
49) Bromoform	13.11	173	1131686	9.767	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2014538	9.038	ppbv	99
51) 2-Hexanone	10.18	43	1680863	9.200	ppbv	100
52) Tetrachloroethene	11.28	164	629379	8.786	ppbv	96
53) Toluene	9.86	91	1920426	9.522	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1117894	9.462	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	848830	8.800	ppbv	95
57) Chlorobenzene	12.21	112	1465087	8.391	ppbv	99
58) Ethyl Benzene	12.77	91	2687299	9.185	ppbv	96
59) m/p-Xylene	13.06	91	4372309m	17.248	ppbv	
60) o-Xylene	13.76	91	2223911	8.810	ppbv	99
61) Styrene	13.59	104	1606347	9.039	ppbv	99
62) Isopropylbenzene	14.73	105	2951795	8.858	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1582563	7.802	ppbv	99
64) n-propylbenzene	15.63	120	765292	8.949	ppbv	96
65) tert-Butylbenzene	16.82	119	2665017	9.024	ppbv	100
66) Benzyl Chloride	17.06	91	1137675	9.753	ppbv	99
67) sec-Butylbenzene	17.37	105	3701480	8.906	ppbv	99
69) p-Isopropyltoluene	17.73	119	3105473	9.165	ppbv	99
70) n-Butylbenzene	18.62	91	3330306	9.033	ppbv	98
71) 2-Chlorotoluene	15.53	91	2363451	9.147	ppbv	100
72) 4-Ethyltoluene	15.91	105	2592260	9.136	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2510721	8.930	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2564856	8.748	ppbv	95
75) 1,3-Dichlorobenzene	17.07	146	1455549	8.269	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1442622	8.390	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1430027	8.286	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1217131	8.526	ppbv	99
79) Naphthalene	22.30	128	2259364	10.549	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	681481	11.008	ppbv	95
81) 1,2,4-Trichlorobenzene	22.02	180	1283375m	9.175	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

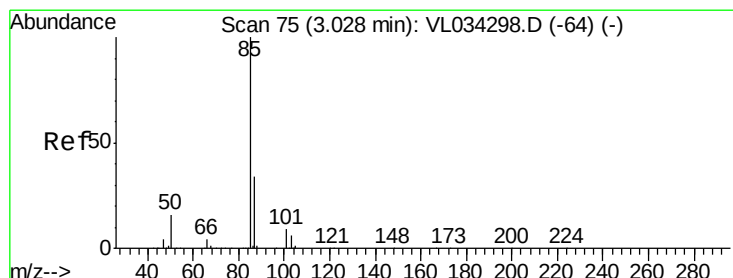
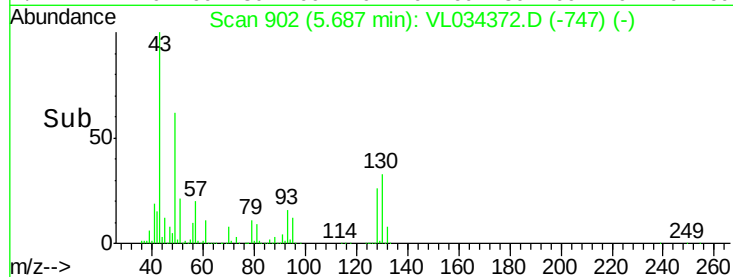
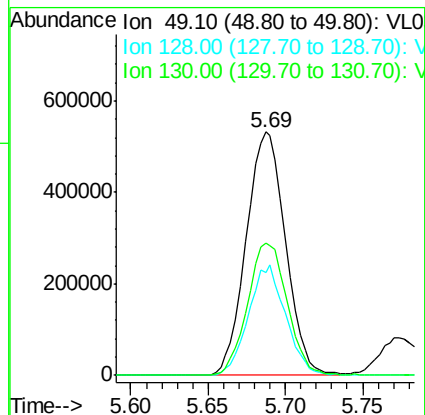
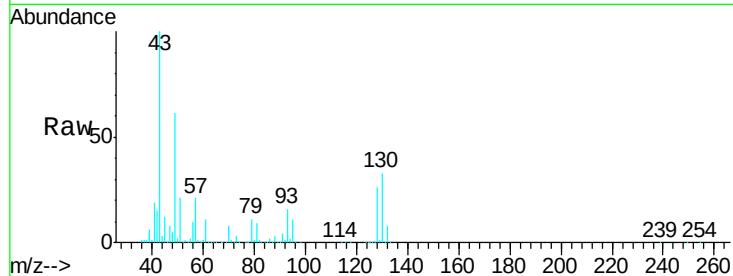
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	49	Resp:	943093
Ion Ratio	Lower	Upper	
49	100		
128	43.1	20.6	61.8
130	54.9	26.2	78.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.021 ppbv

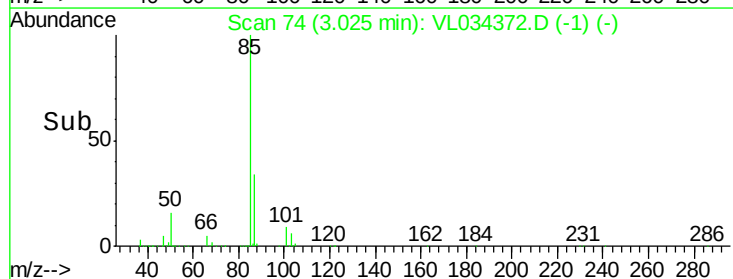
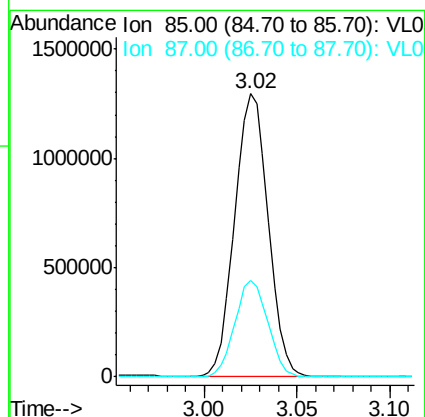
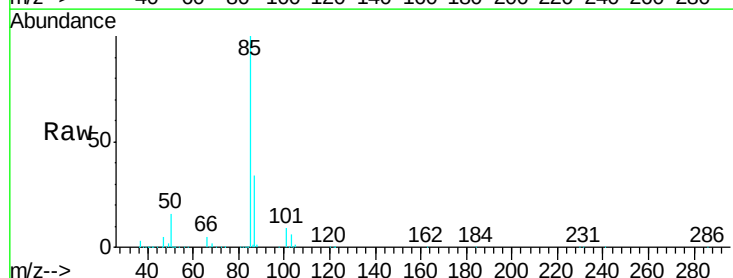
RT: 3.02 min Scan# 74

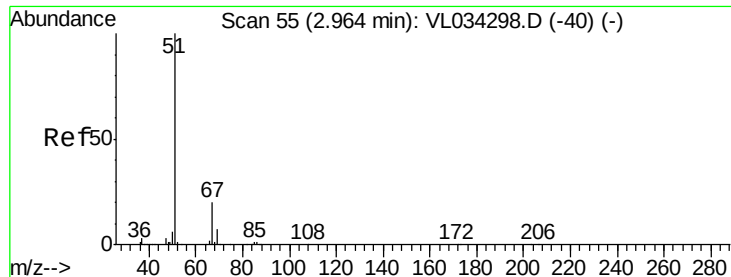
Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Tgt Ion:	85	Resp:	1629304
Ion Ratio	Lower	Upper	
85	100		
87	33.9	27.0	40.6





#3

Chlorodifluoromethane

Concen: 9.492 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1049263

Ion Ratio Lower Upper

51 100

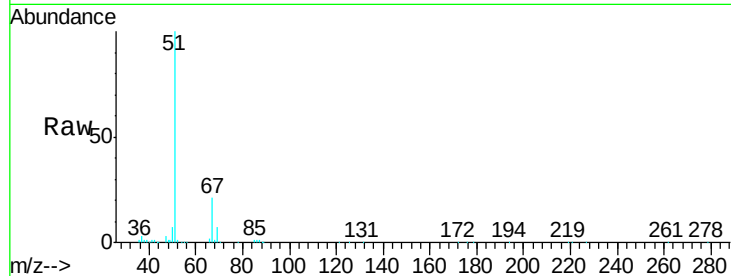
67 20.5 15.8 23.8

Manual Integrations

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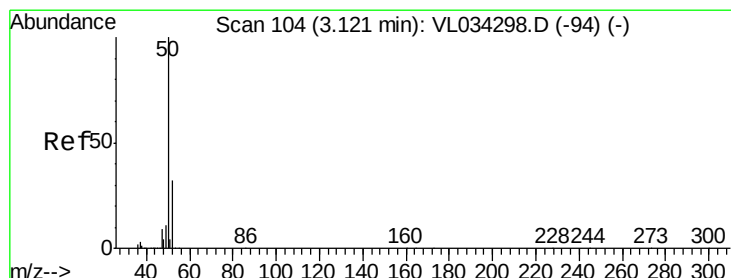
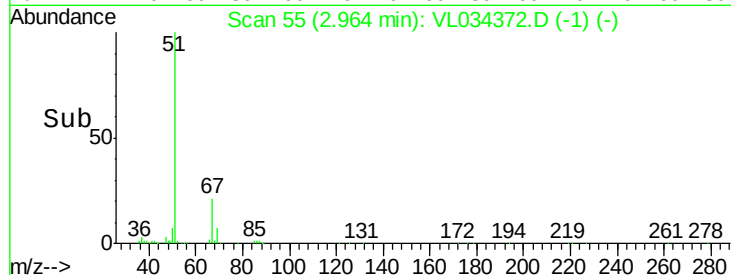
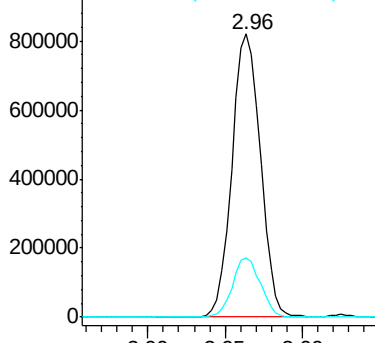
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.502 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034372.D

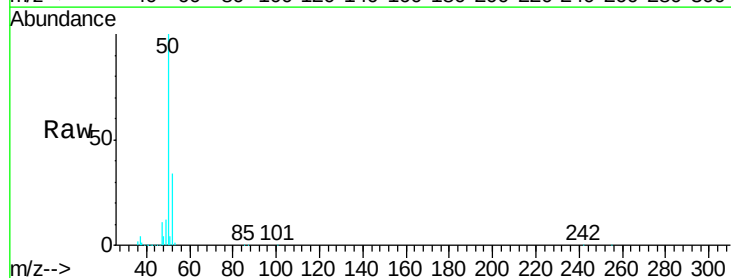
Acq: 25 Oct 2019 20:21

Tgt Ion: 50 Resp: 555910

Ion Ratio Lower Upper

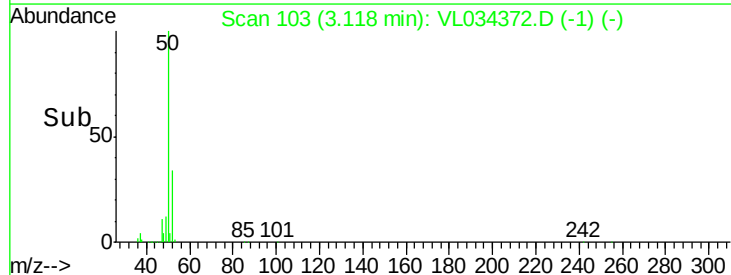
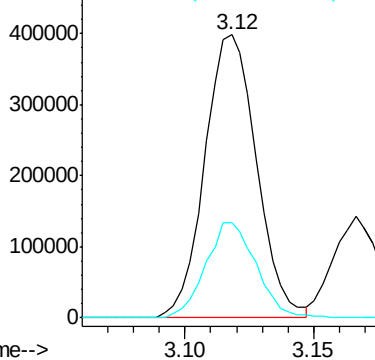
50 100

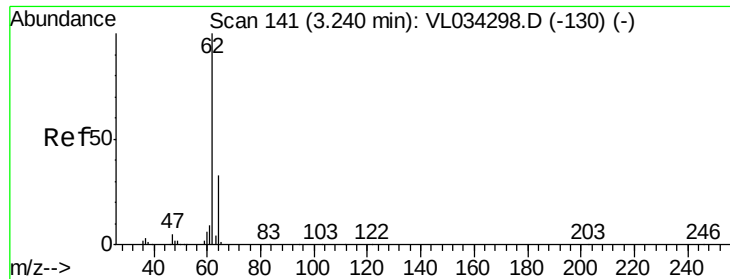
52 33.8 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.684 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 541402

Ion Ratio Lower Upper

62 100

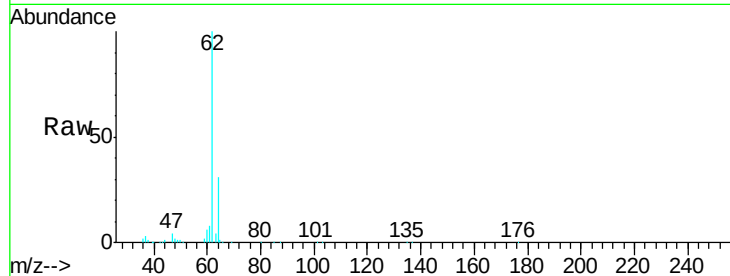
64 30.5 26.0 39.0

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

400000

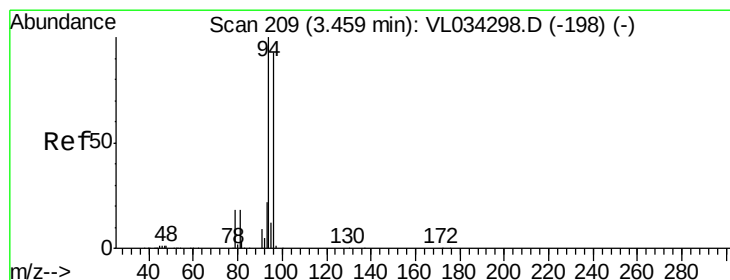
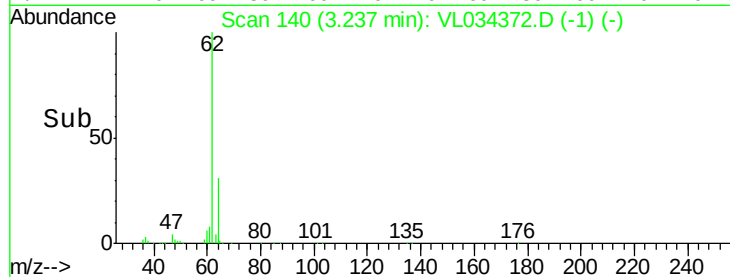
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.728 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL034372.D

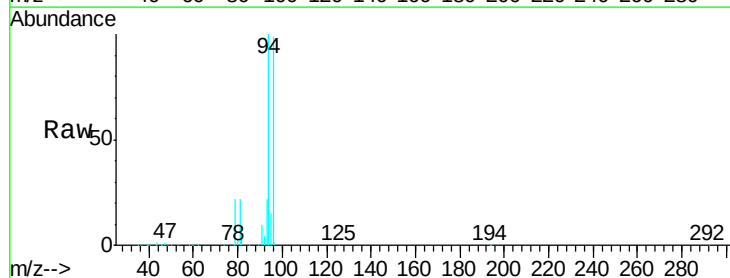
Acq: 25 Oct 2019 20:21

Tgt Ion: 94 Resp: 296977

Ion Ratio Lower Upper

94 100

96 98.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

200000

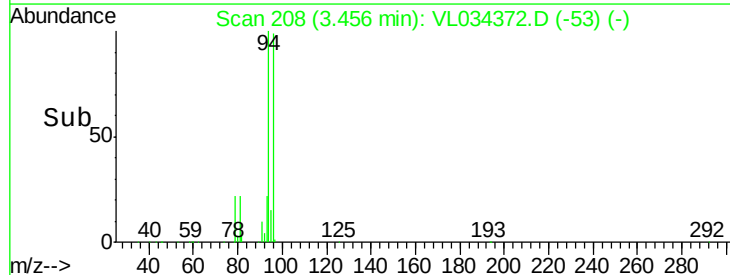
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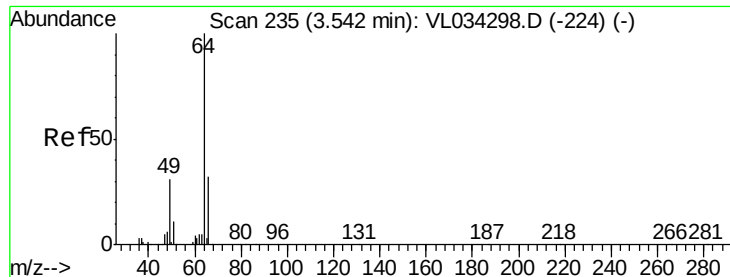
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.158 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 200963

Ion Ratio Lower Upper

64 100

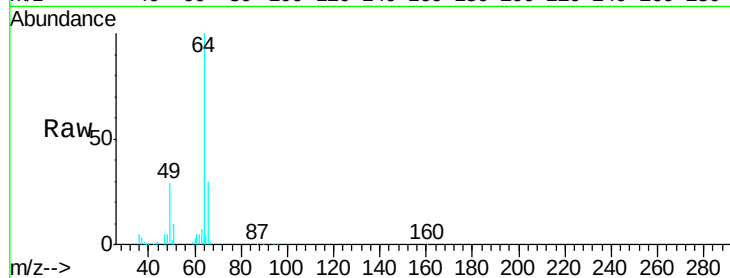
66 30.4 25.4 38.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

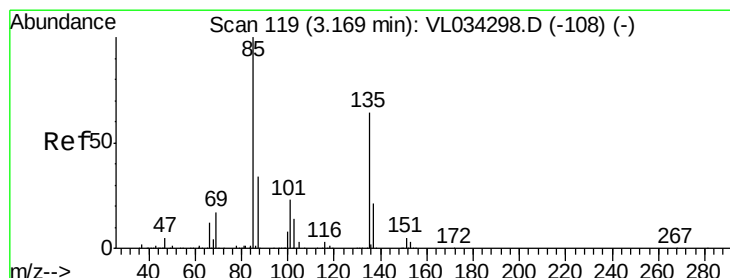
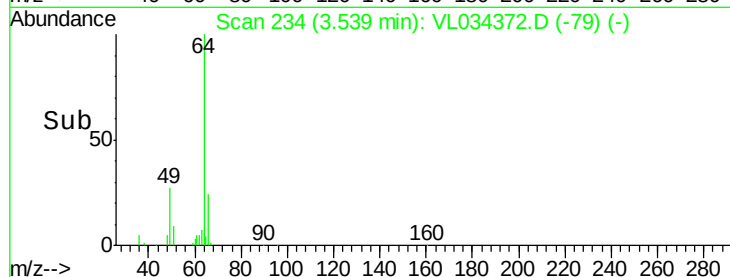
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.808 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034372.D

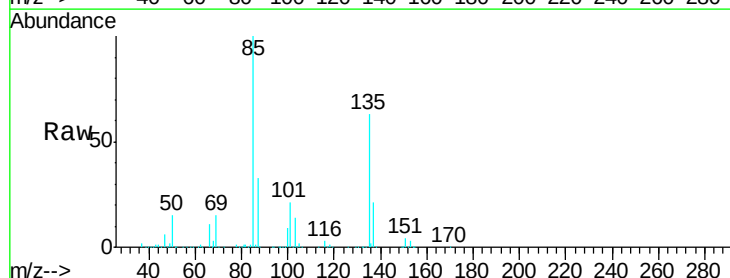
Acq: 25 Oct 2019 20:21

Tgt Ion: 85 Resp: 1240879

Ion Ratio Lower Upper

85 100

135 64.3 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1000000

800000

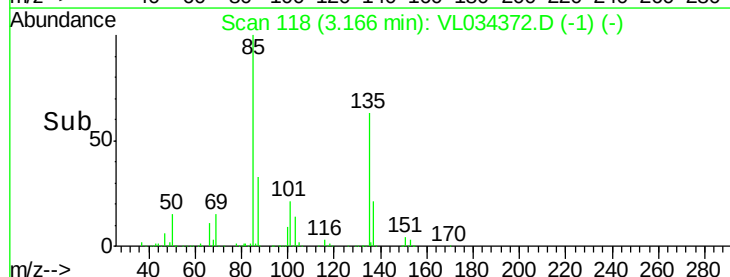
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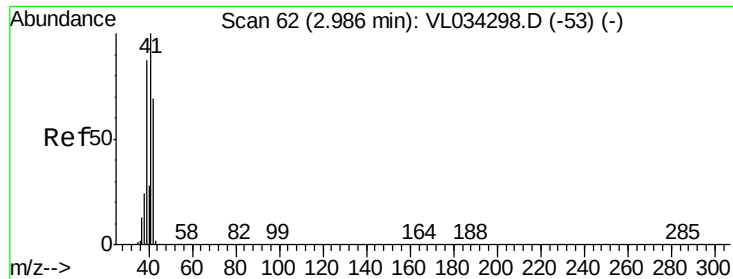
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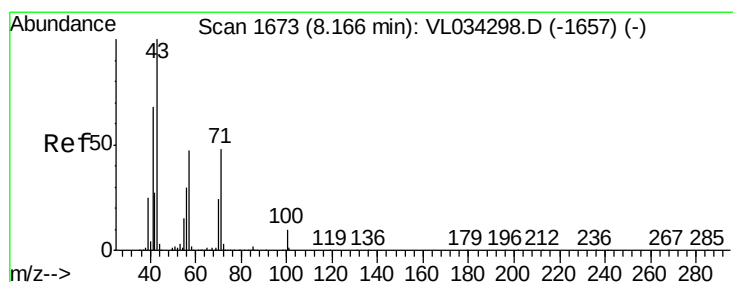
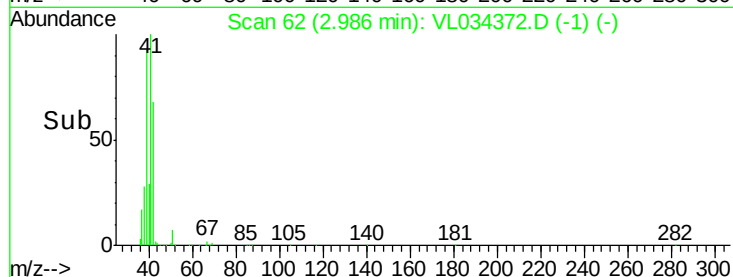
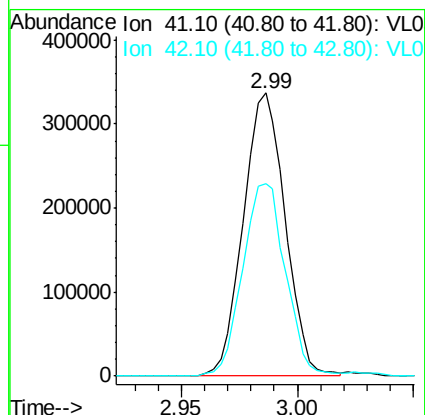
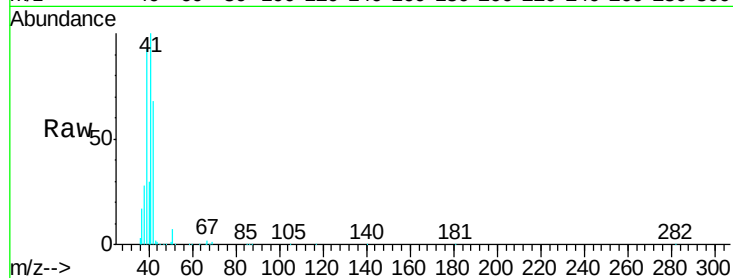
#9
 Propene
 Concen: 8.648 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 423758
 Ion Ratio Lower Upper
 41 100
 42 70.5 53.9 80.9

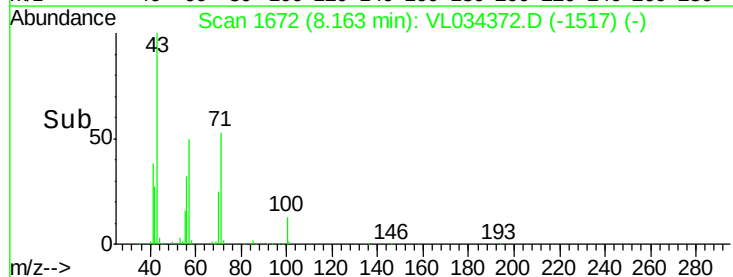
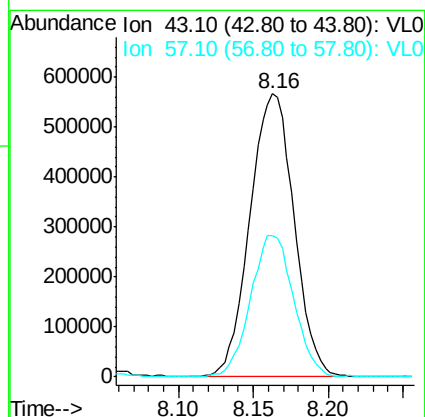
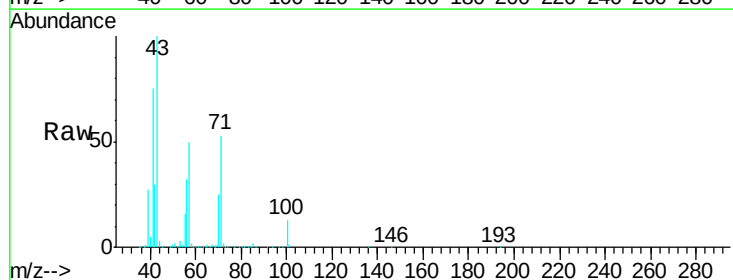
Manual Integrations
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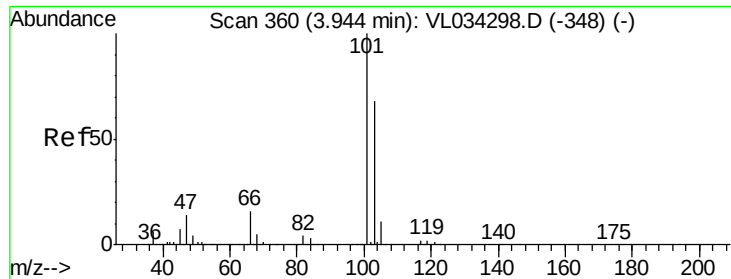
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#10
 Heptane
 Concen: 9.193 ppbv
 RT: 8.16 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion: 43 Resp: 1156131
 Ion Ratio Lower Upper
 43 100
 57 49.3 39.5 59.3





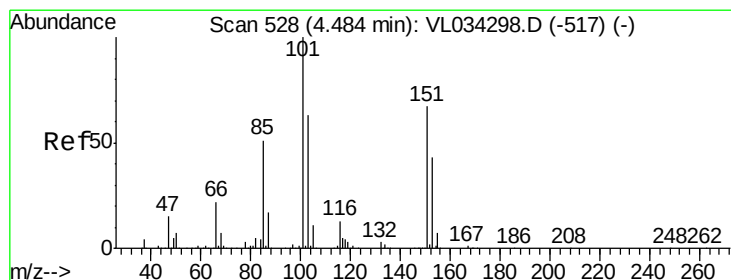
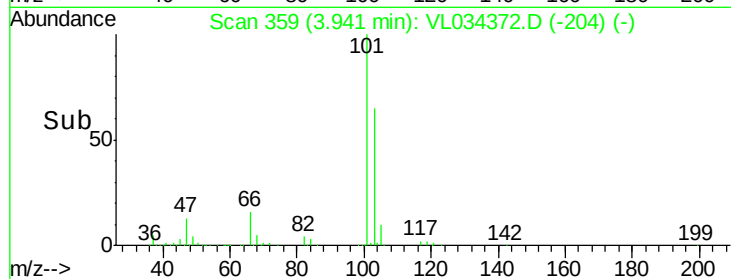
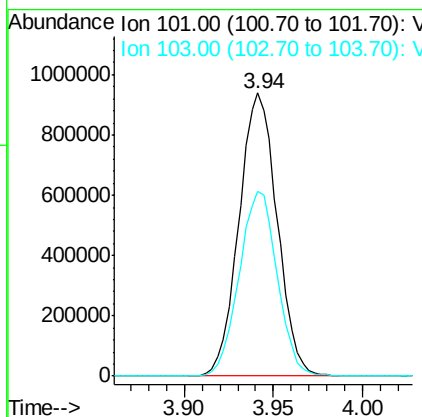
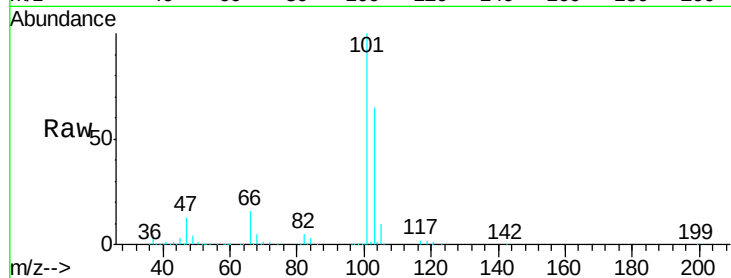
#11
 Trichlorofluoromethane
 Concen: 9.096 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1404121
 Ion Ratio Lower Upper
 101 100
 103 65.2 54.5 81.7

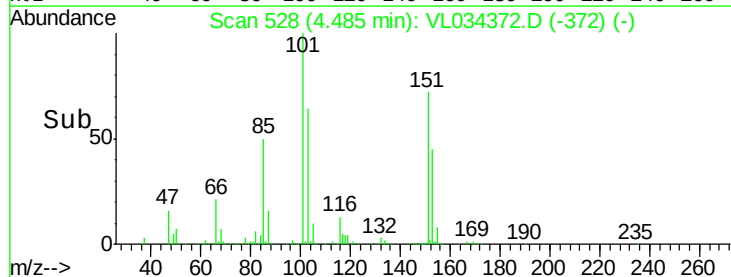
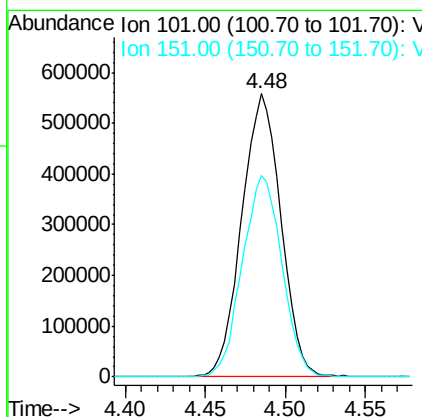
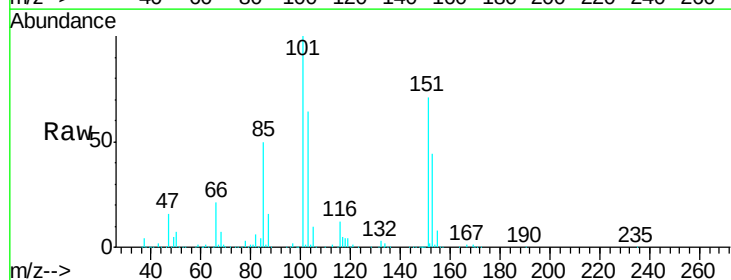
Manual Integrations
 APPROVED

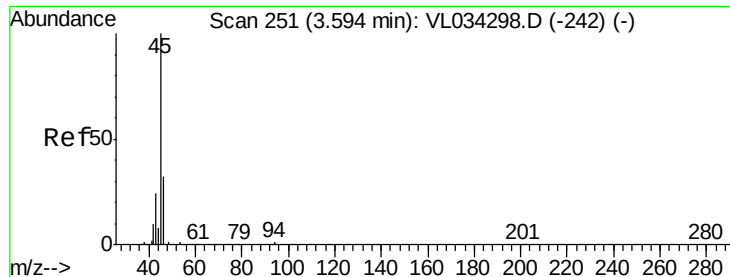
MMDadoda
 10/31/2019 3:36:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.240 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion:101 Resp: 934482
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.4 86.2





#13

Ethanol

Concen: 10.995 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 120633

Ion Ratio Lower Upper

45 100

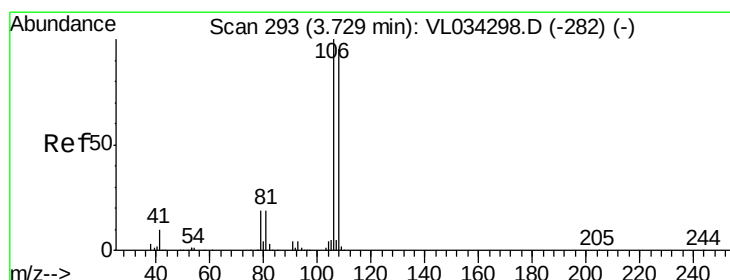
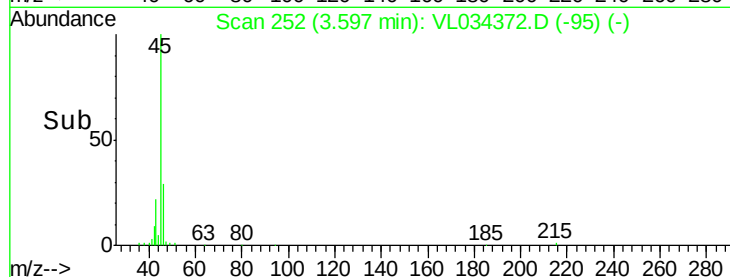
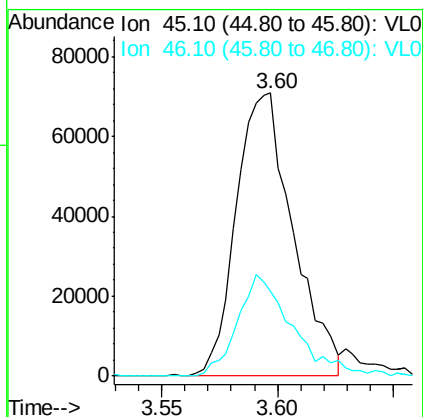
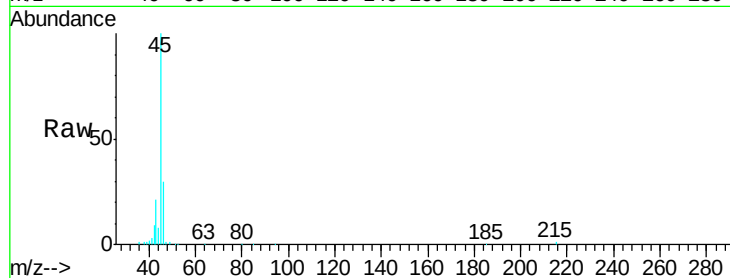
46 35.2 15.8 63.2

Manual Integrations

APPROVED

MMDadoda

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#14

Bromoethene

Concen: 9.650 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

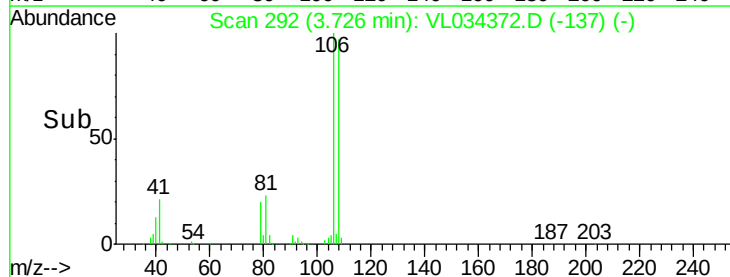
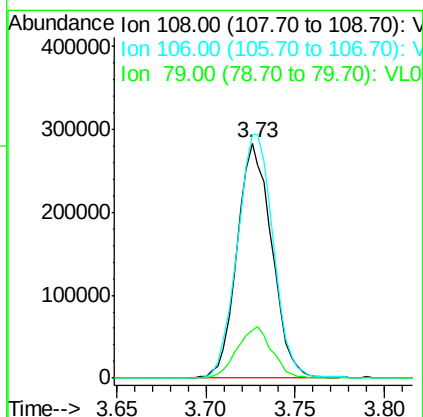
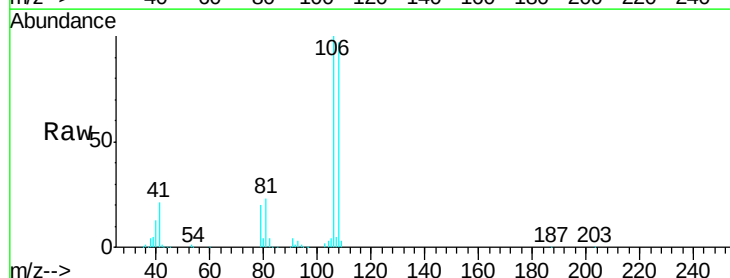
Tgt Ion: 108 Resp: 384248

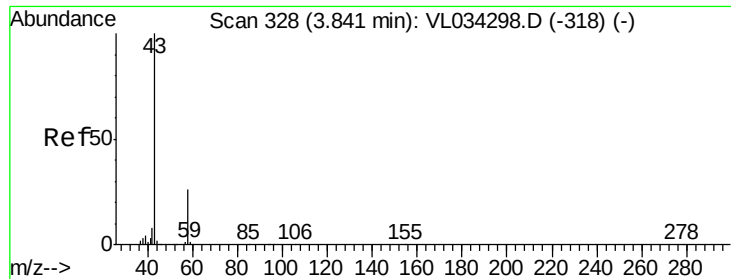
Ion Ratio Lower Upper

108 100

106 107.6 84.8 127.2

79 22.1 17.0 25.4





#15

Acetone

Concen: 7.587 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1023437

Ion Ratio Lower Upper

43 100

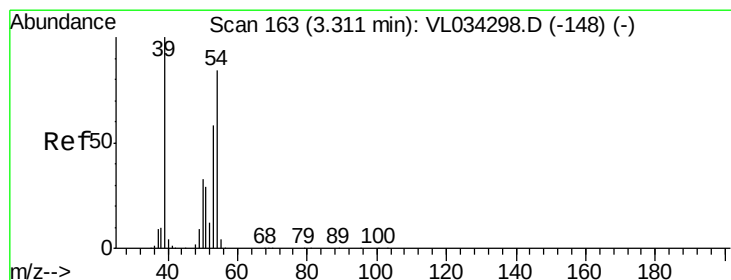
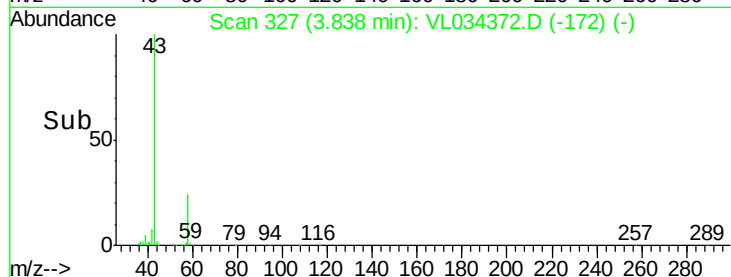
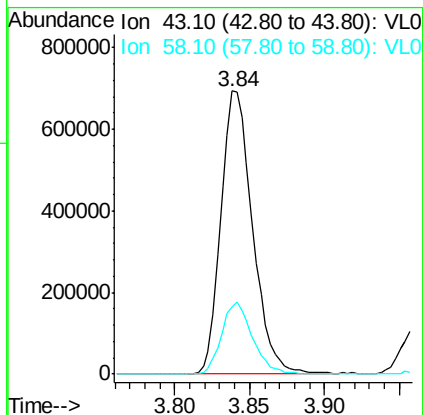
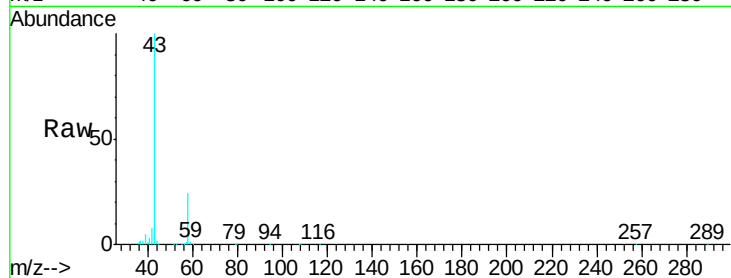
58 24.9 20.4 30.6

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.239 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.00 min

Lab File: VL034372.D

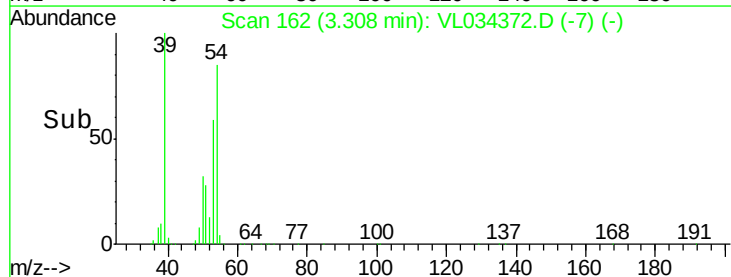
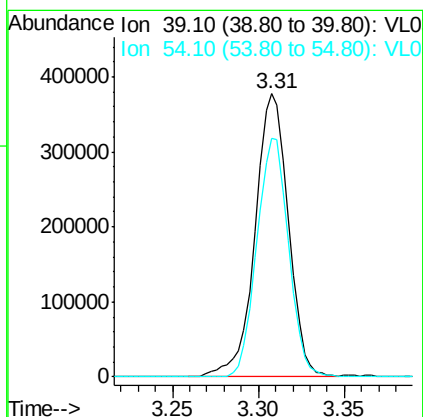
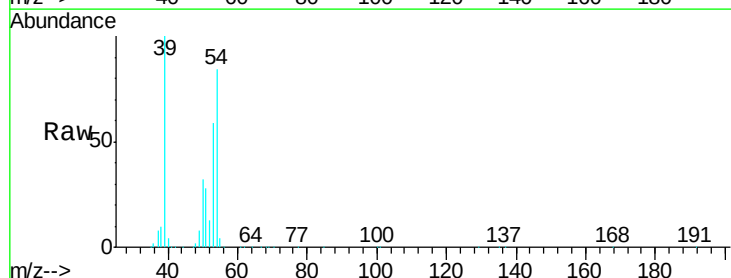
Acq: 25 Oct 2019 20:21

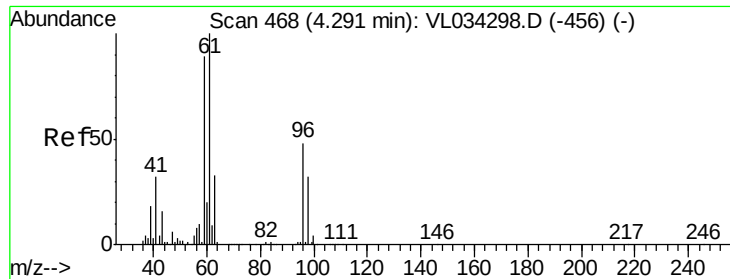
Tgt Ion: 39 Resp: 506404

Ion Ratio Lower Upper

39 100

54 80.9 63.9 95.9





#17

tert-Butyl alcohol

Concen: 11.041 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 950556

Ion Ratio Lower Upper

59 100

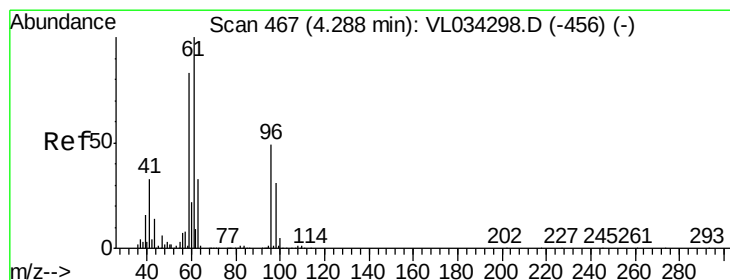
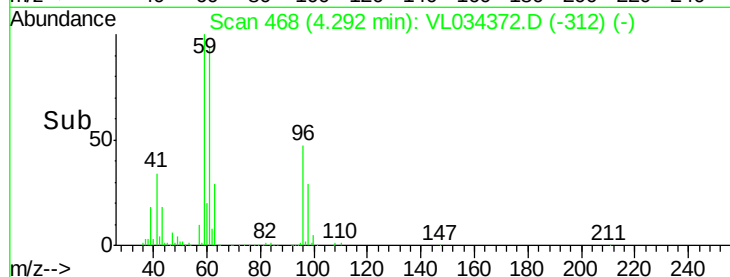
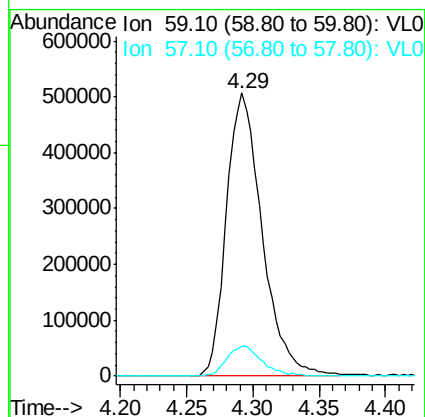
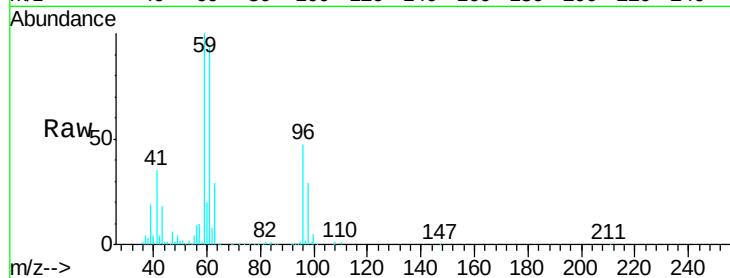
57 10.9 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

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#18

1,1-Dichloroethene

Concen: 9.258 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

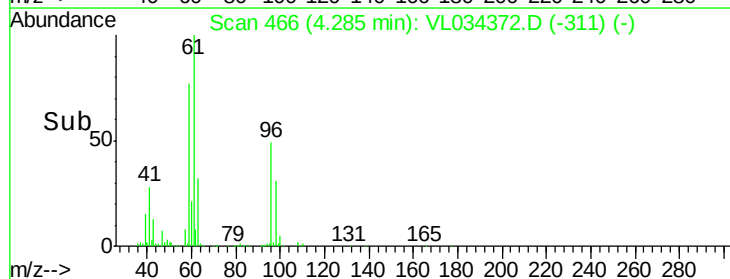
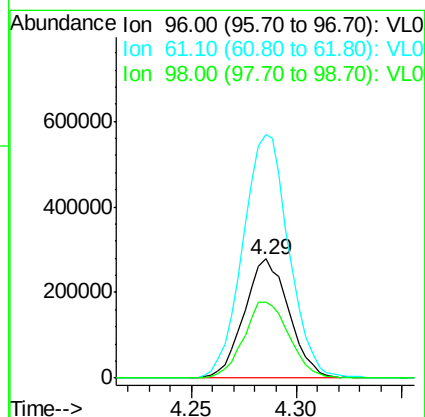
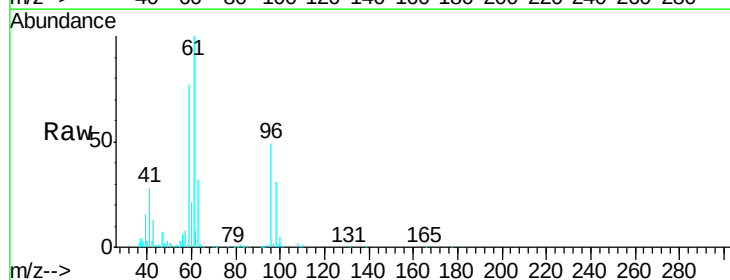
Tgt Ion: 96 Resp: 409957

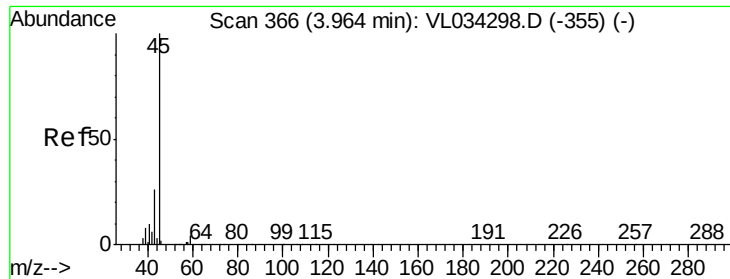
Ion Ratio Lower Upper

96 100

61 204.5 164.5 246.7

98 63.9 51.7 77.5





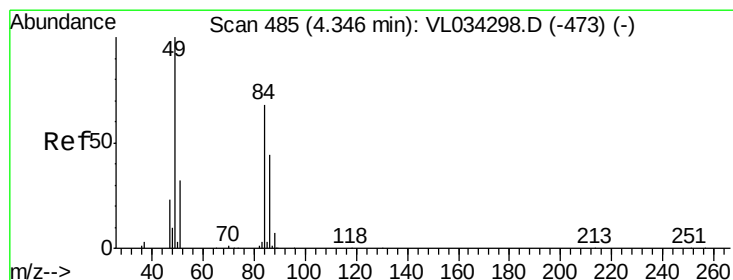
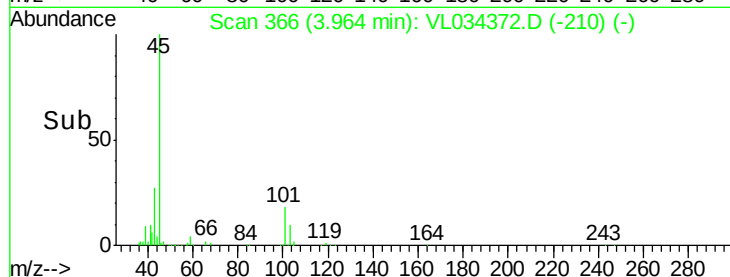
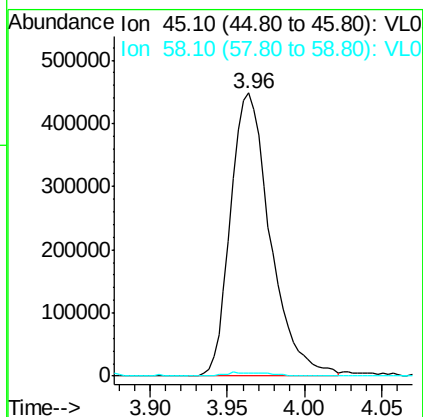
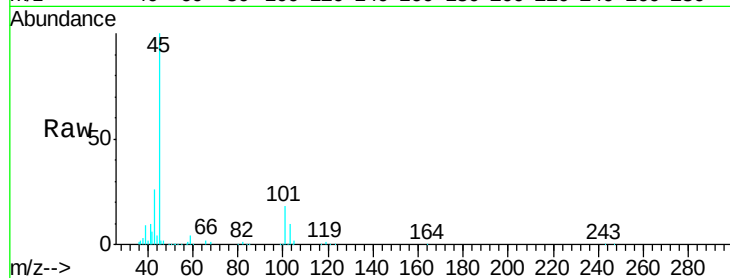
#19
Isopropyl Alcohol
Concen: 10.631 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 800027
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.2

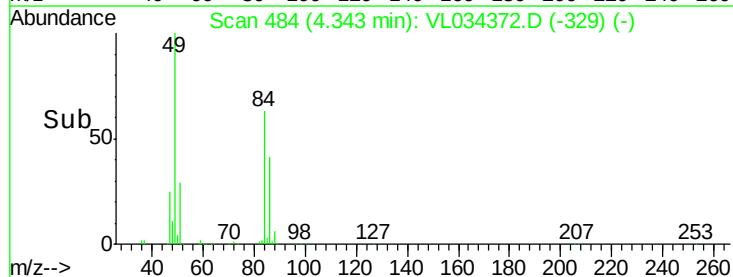
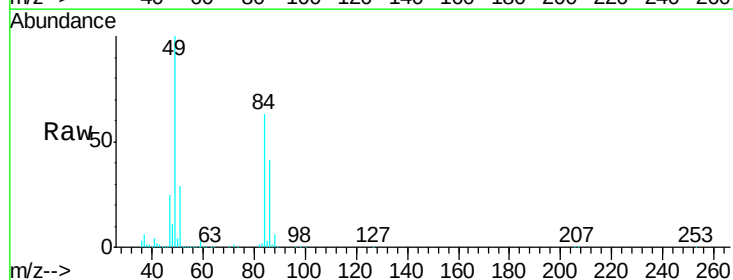
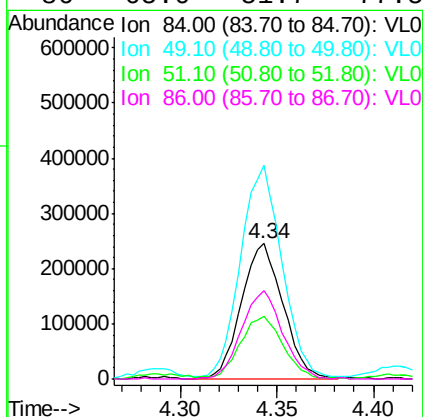
Manual Integrations
APPROVED

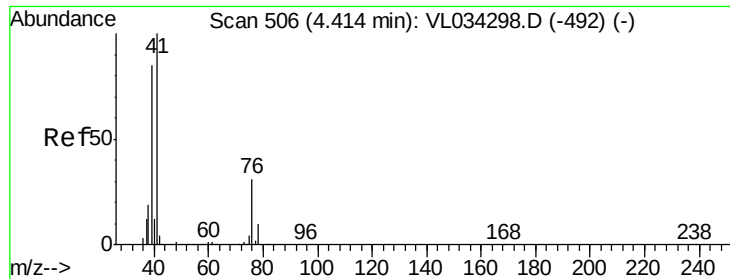
MMDadoda
10/31/2019 3:36:52 PM



#20
Methylene Chloride
Concen: 7.498 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion: 84 Resp: 365636
Ion Ratio Lower Upper
84 100
49 156.6 118.5 177.7
51 45.7 38.8 58.2
86 65.0 51.7 77.5





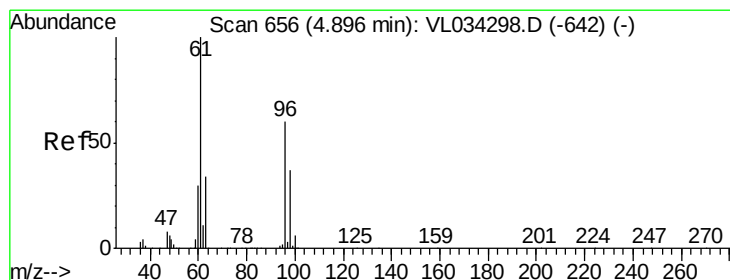
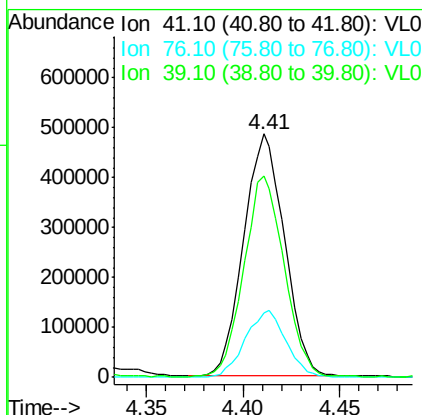
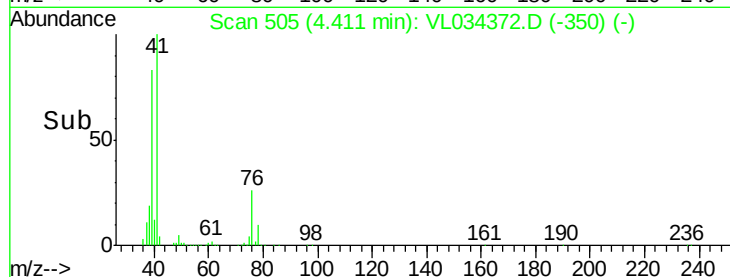
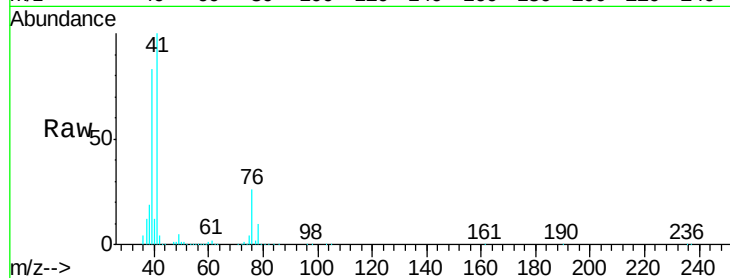
#21
 Allyl Chloride
 Concen: 9.569 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	27.8	22.8	34.2
39	82.6	66.0	99.0

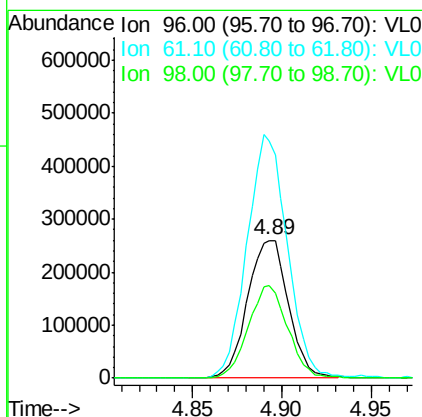
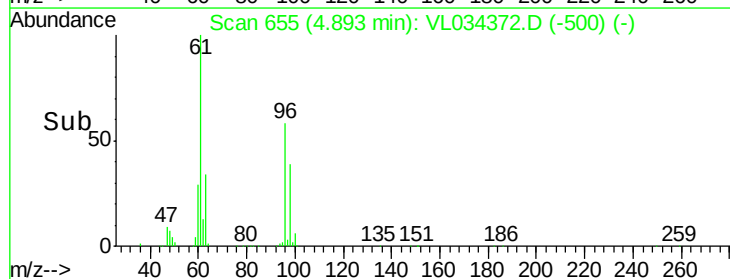
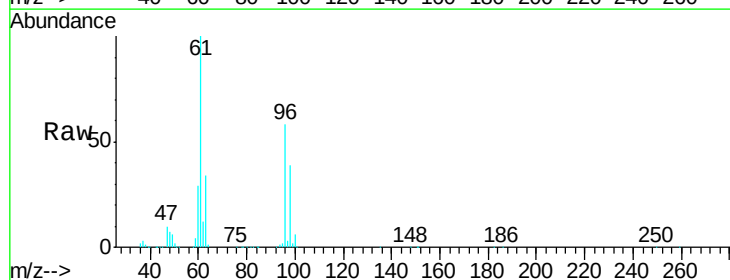
Manual Integrations
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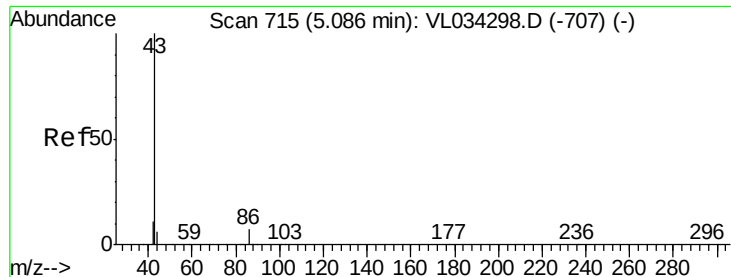
MMDadoda
 10/31/2019 3:36:52 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.428 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.5	133.8	200.6
98	67.4	49.4	74.0





#23

Vinyl Acetate

Concen: 9.427 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1588038

Ion Ratio Lower Upper

43 100

86 5.8 5.0 7.4

42 10.6 8.6 13.0

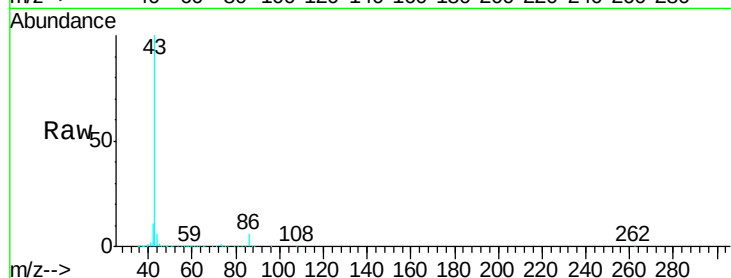
44 5.4 4.8 7.2

Manual Integrations

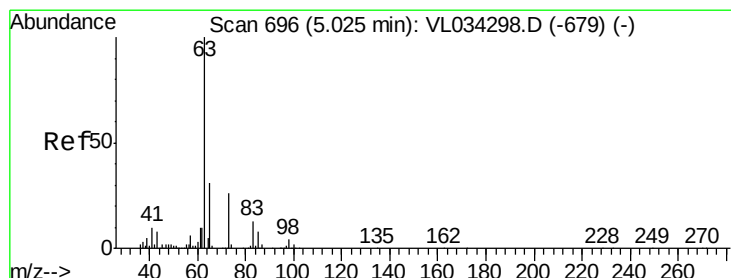
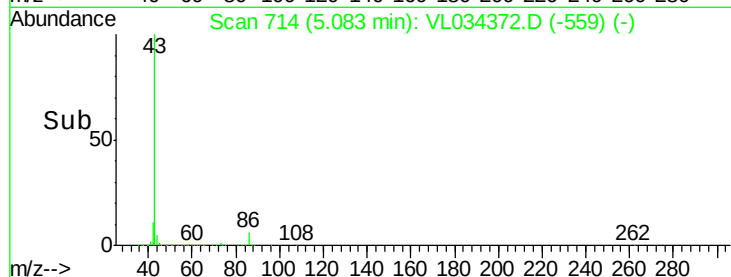
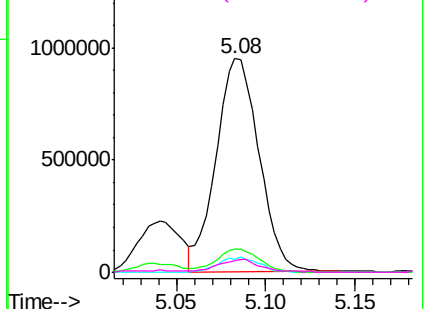
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.053 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

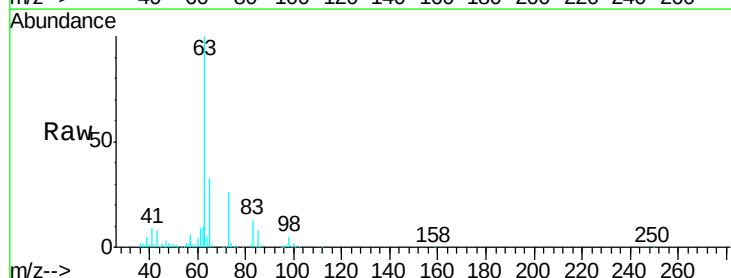
Tgt Ion: 63 Resp: 1131844

Ion Ratio Lower Upper

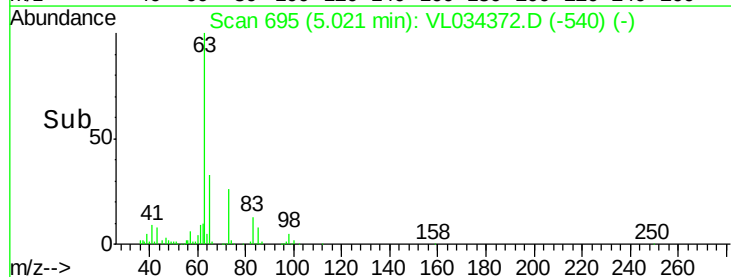
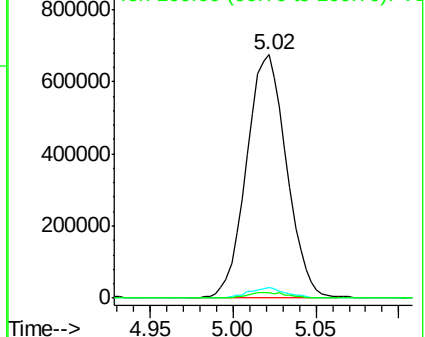
63 100

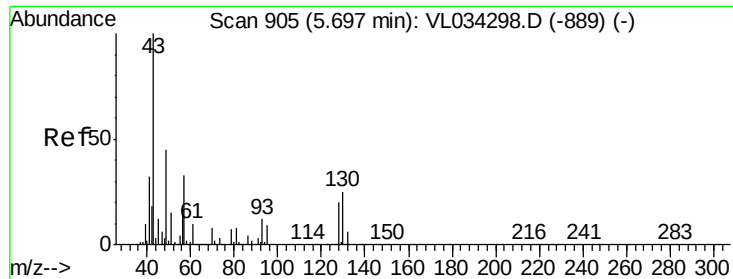
98 4.6 2.0 6.0

100 2.6 1.1 3.5



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





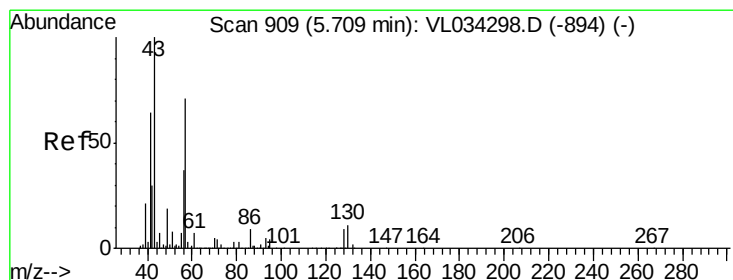
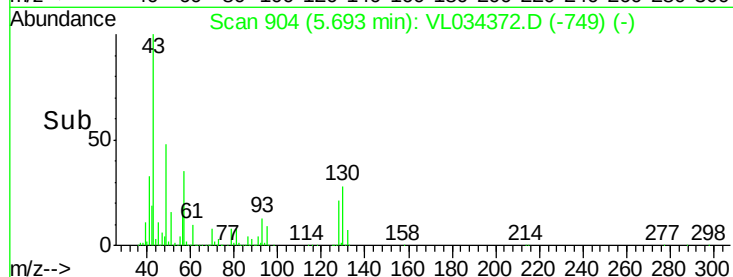
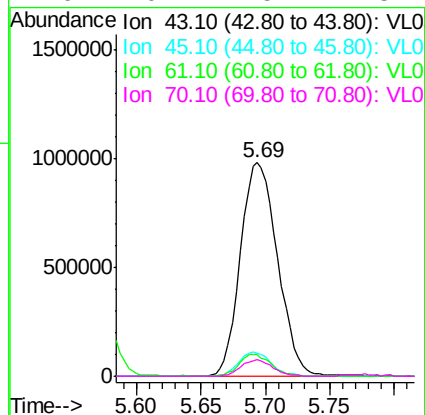
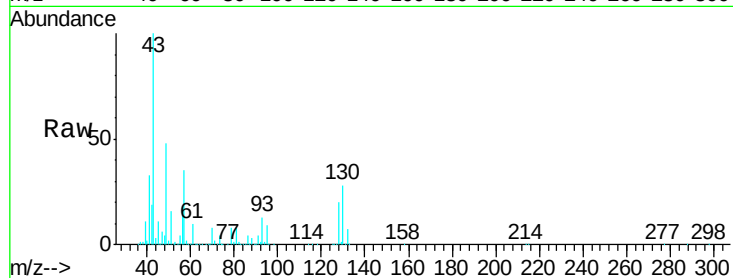
#25
Ethyl Acetate
Concen: 8.622 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	9.1	7.7	11.5
70	6.7	5.4	8.2

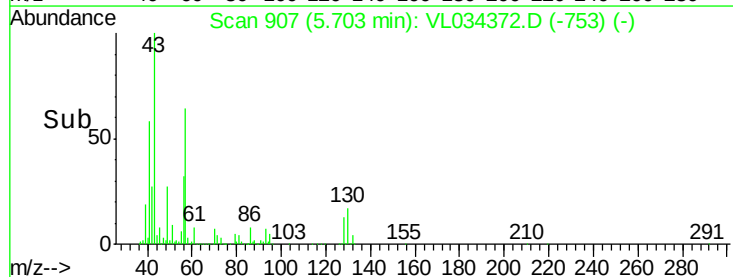
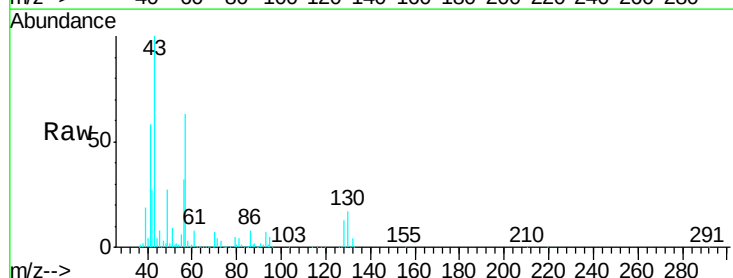
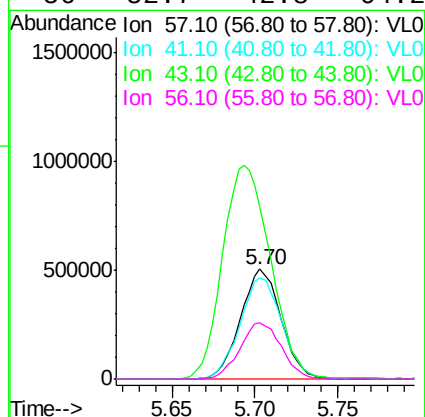
Manual Integrations
APPROVED

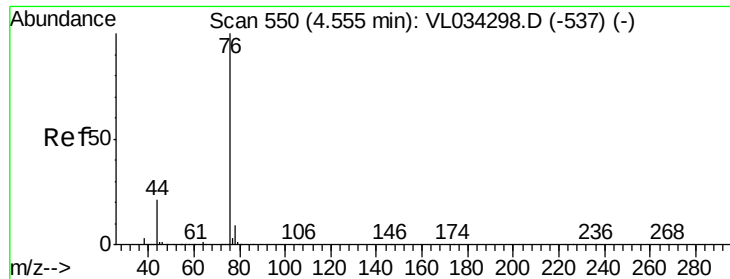
MMDadoda
10/31/2019 3:36:52 PM



#26
Hexane
Concen: 8.832 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.9	76.5	114.7
43	230.0	188.5	282.7
56	52.7	42.8	64.2





#27

Carbon Disulfide

Concen: 10.325 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1040487

Ion Ratio Lower Upper

76 100

44 19.9 17.3 25.9

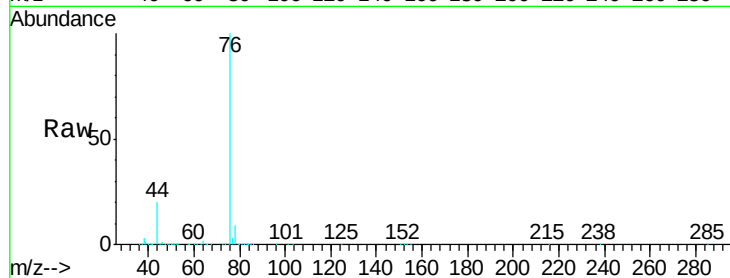
78 9.9 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

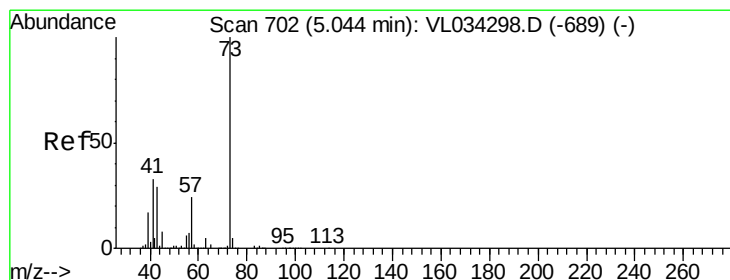
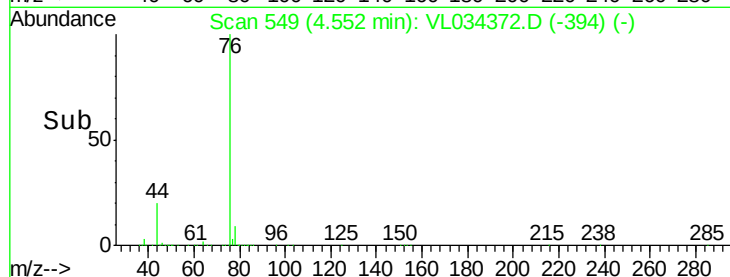
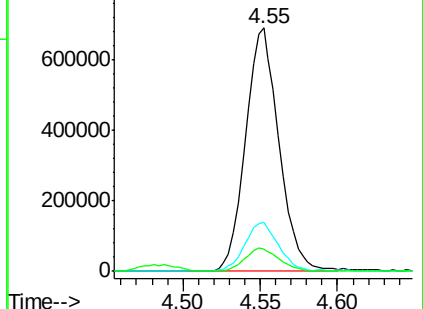
10/31/2019 3:36:52 PM



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: 9.700 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL034372.D

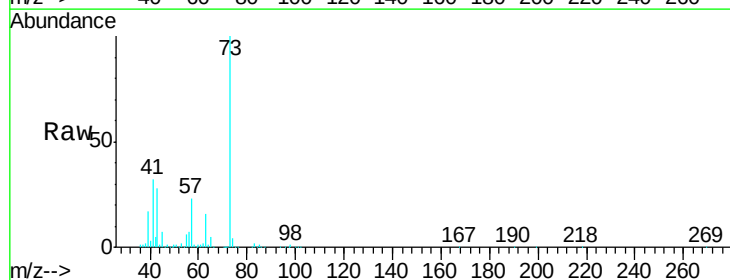
Acq: 25 Oct 2019 20:21

Tgt Ion: 73 Resp: 1425034

Ion Ratio Lower Upper

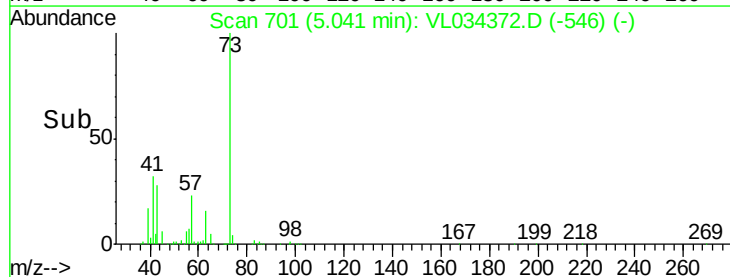
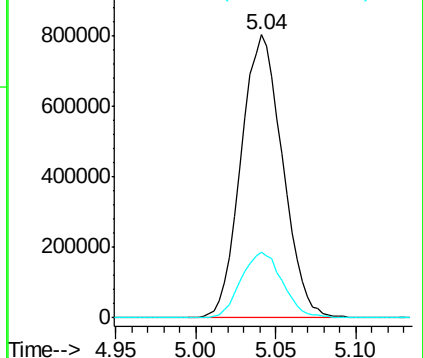
73 100

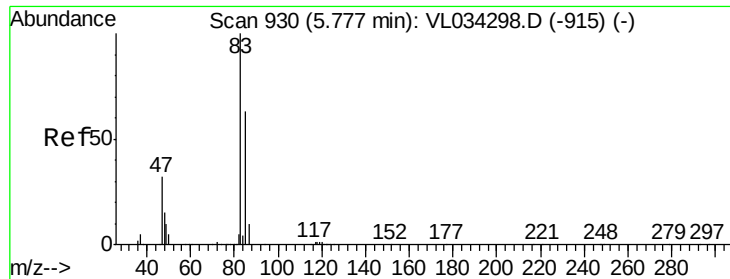
57 23.3 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





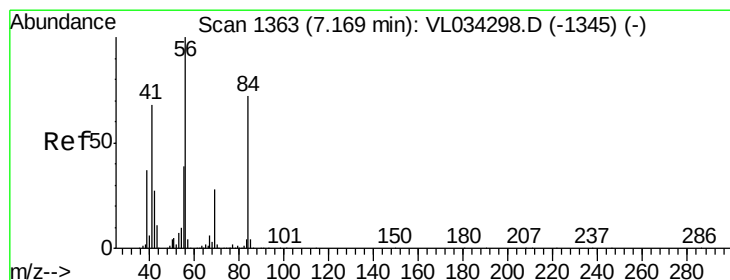
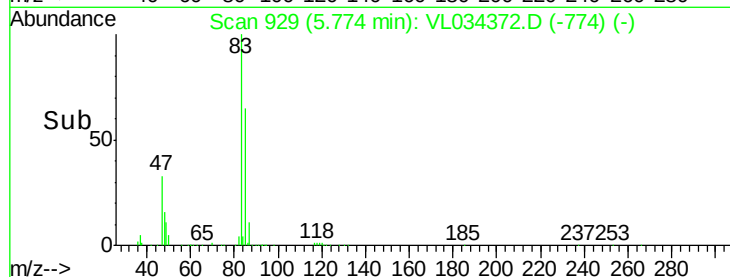
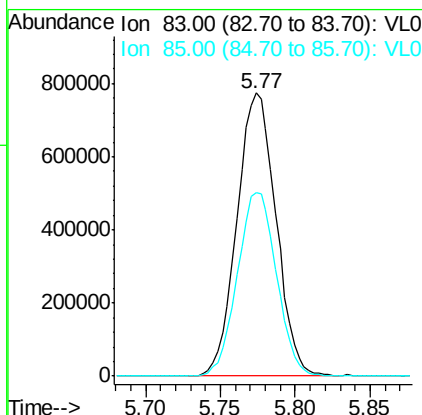
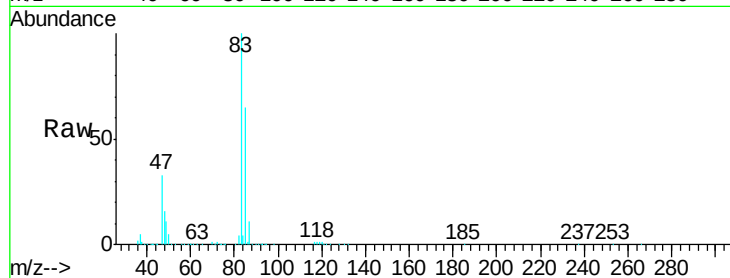
#29
Chloroform
Concen: 9.143 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1403892
Ion Ratio Lower Upper
83 100
85 64.6 50.5 75.7

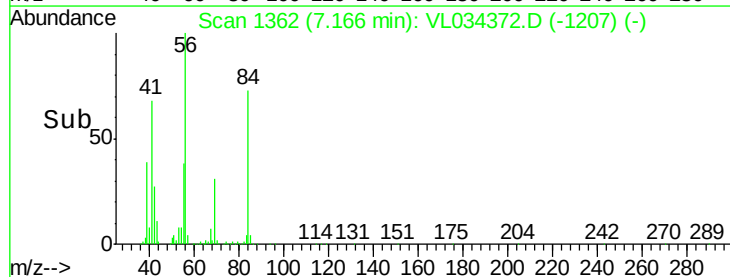
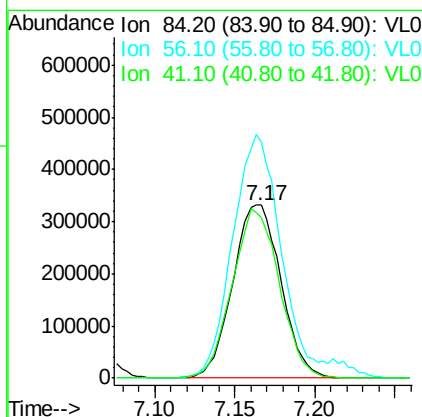
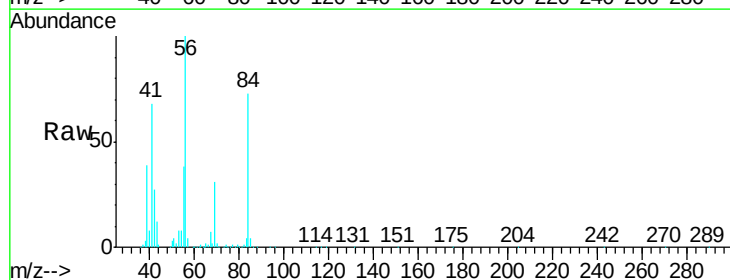
Manual Integrations
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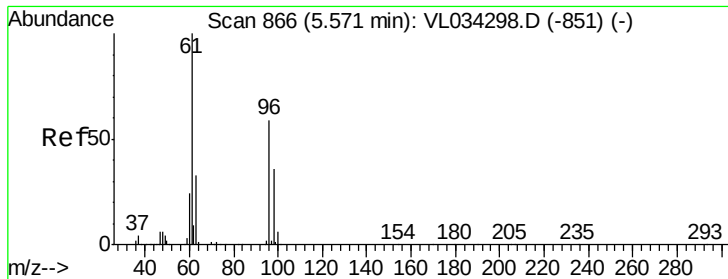
MMDadoda
10/31/2019 3:36:52 PM



#30
Cyclohexane
Concen: 9.553 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion: 84 Resp: 681973
Ion Ratio Lower Upper
84 100
56 146.8 119.4 179.0
41 96.0 78.7 118.1





#31

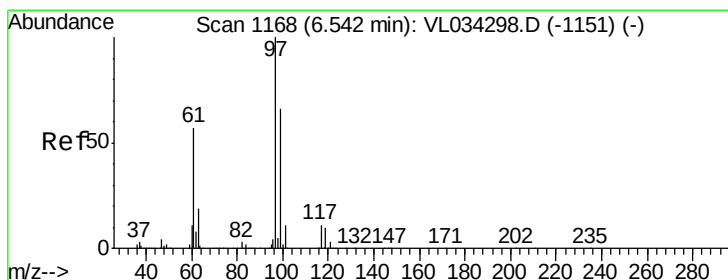
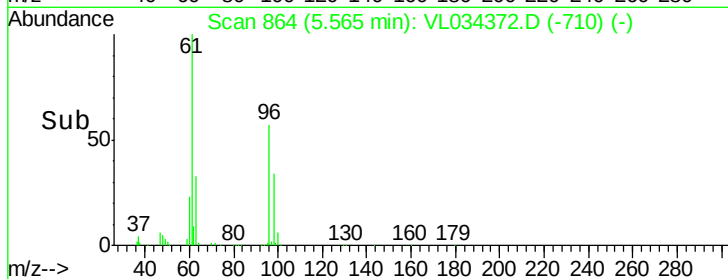
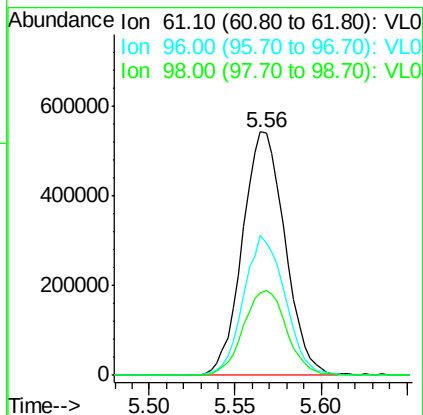
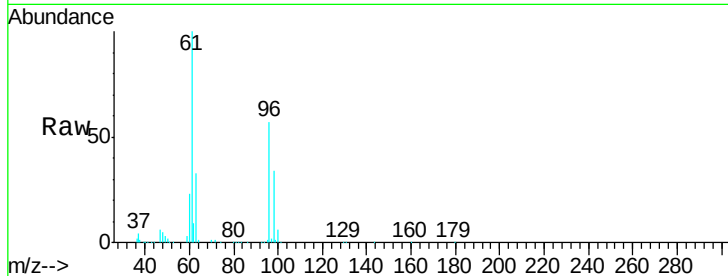
cis-1,2-Dichloroethene
 Concen: 9.439 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	57.3	47.5	71.3
98	34.0	28.8	43.2

Manual Integrations
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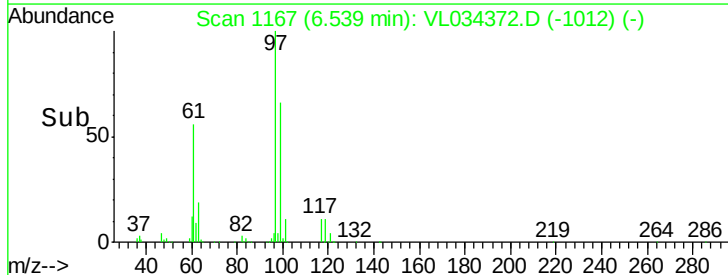
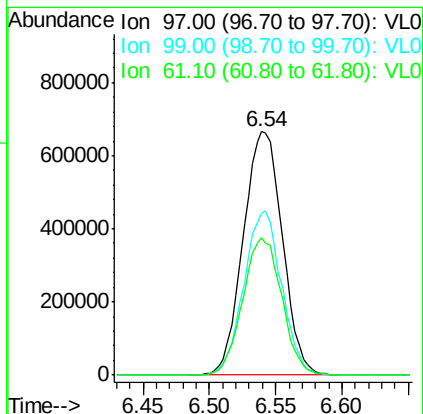
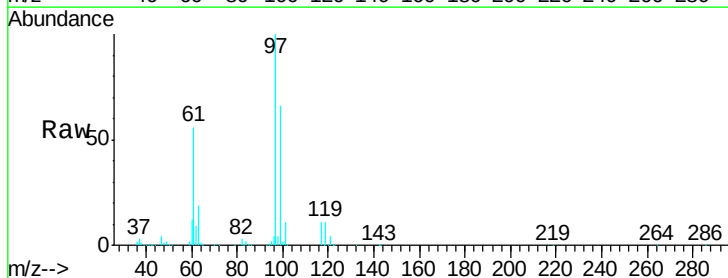
MMDadoda
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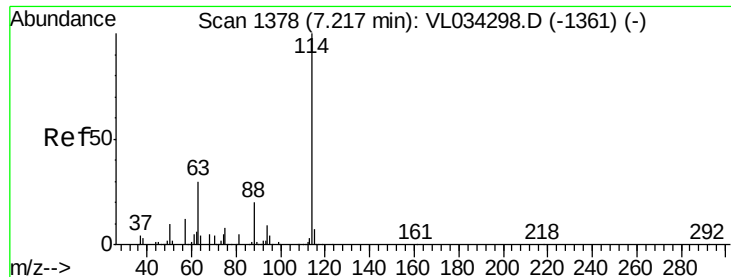


#32

1,1,1-Trichloroethane
 Concen: 9.174 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.6	78.8
61	56.0	44.5	66.7





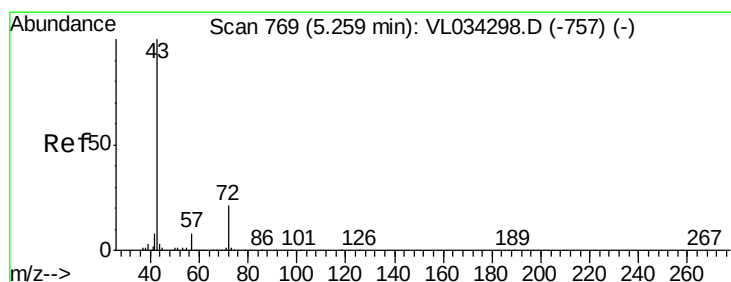
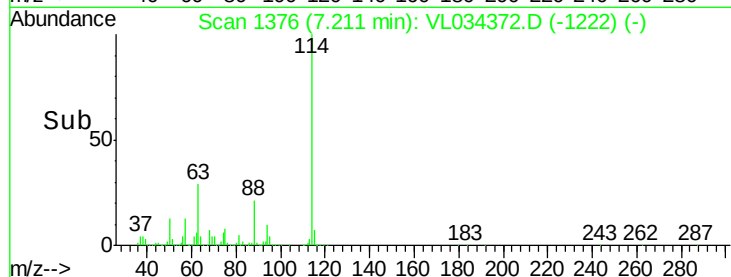
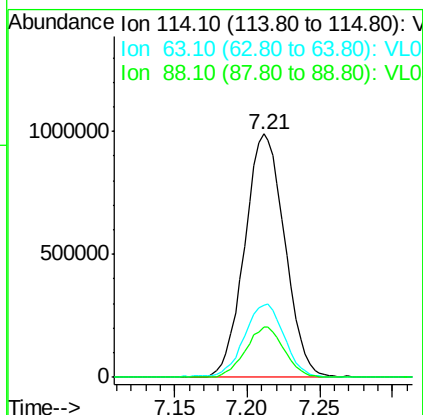
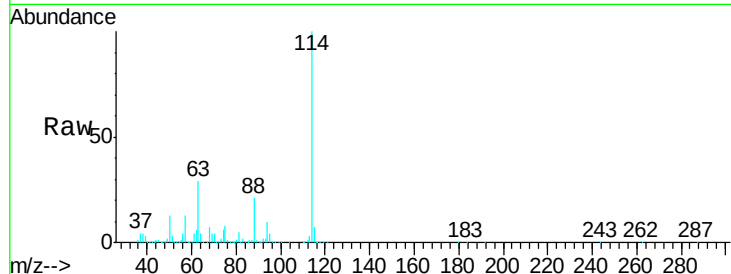
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.5	25.2	37.8
88	19.9	16.0	24.0

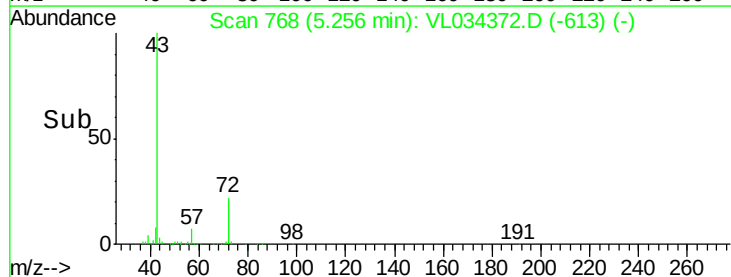
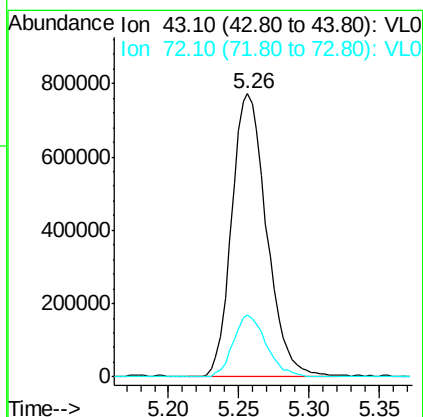
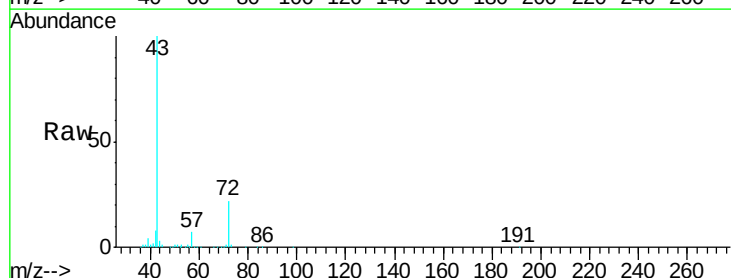
Manual Integrations
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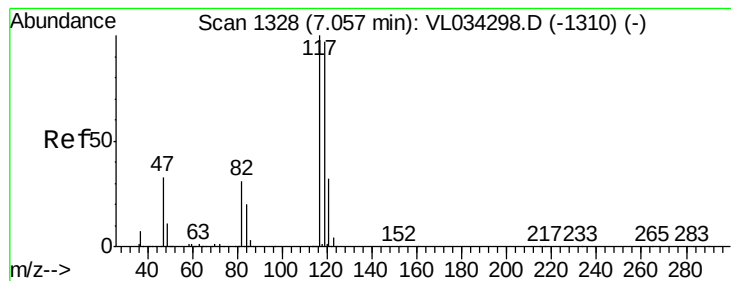
MMDadoda
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#34
 2-Butanone
 Concen: 8.586 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.0	16.3	24.5





#35

Carbon Tetrachloride

Concen: 8.550 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 1418524

Ion Ratio Lower Upper

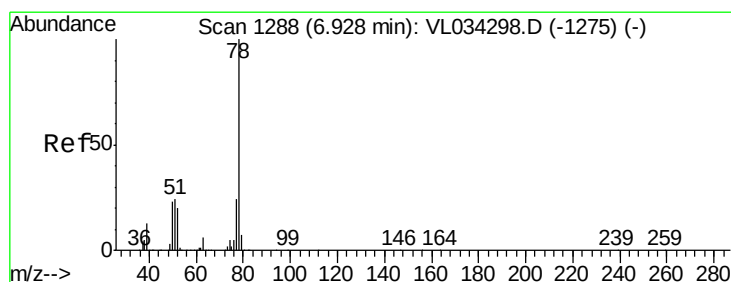
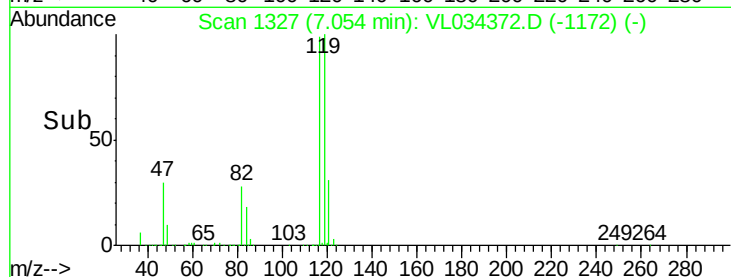
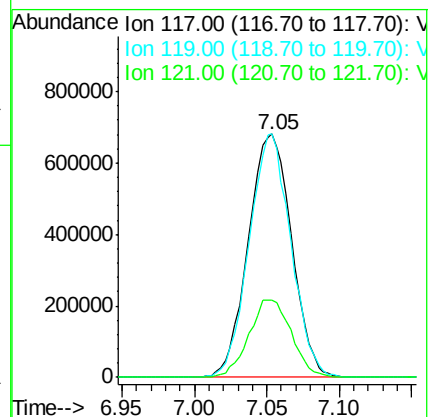
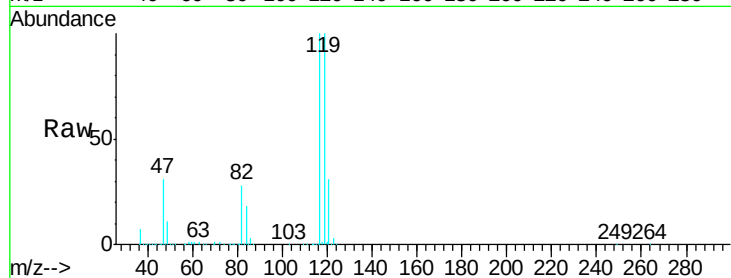
117 100

119 100.0 77.3 115.9

121 31.5 25.5 38.3

Manual Integrations
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#36

Benzene

Concen: 8.969 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

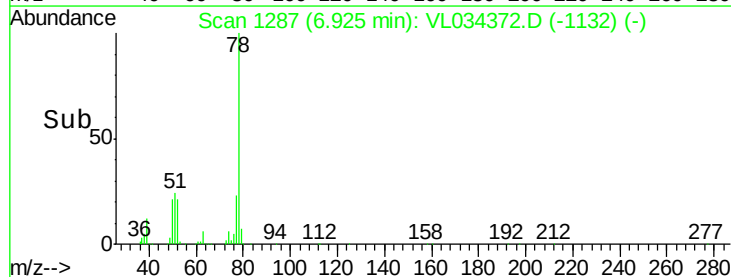
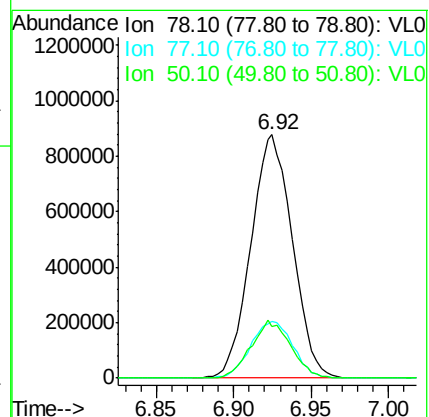
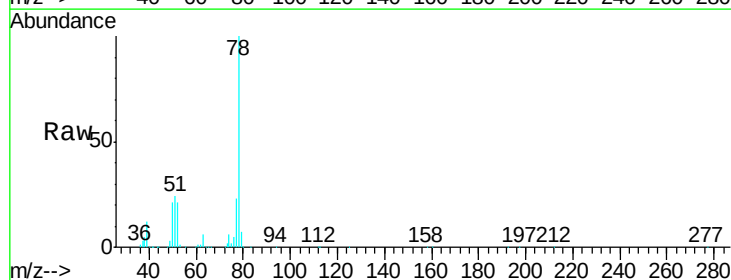
Tgt Ion: 78 Resp: 1639037

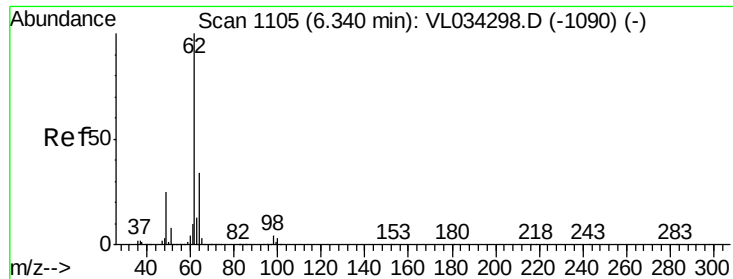
Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4

50 21.1 18.6 27.8





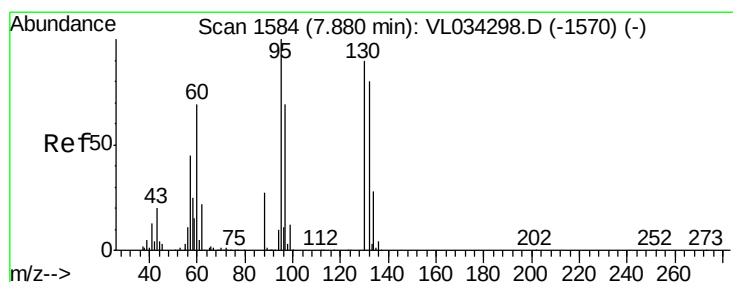
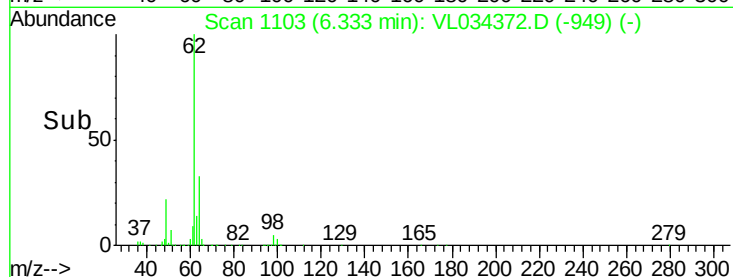
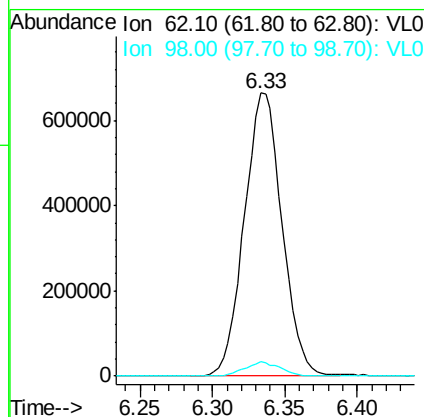
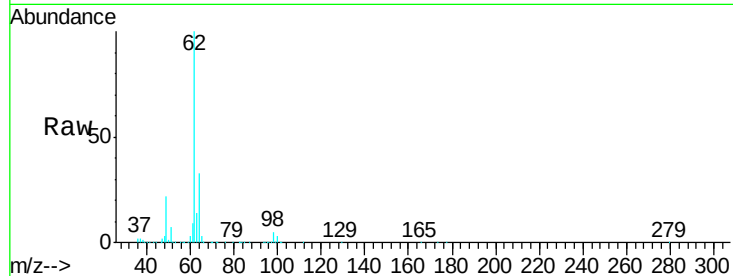
#37
 1,2-Dichloroethane
 Concen: 8.820 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1201317
 Ion Ratio Lower Upper
 62 100
 98 4.9 3.8 5.6

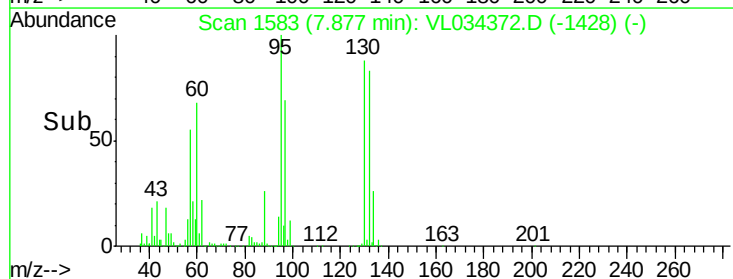
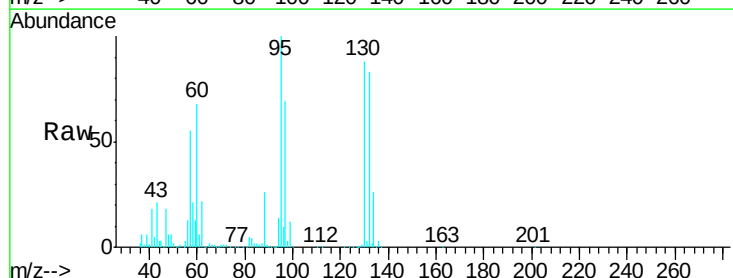
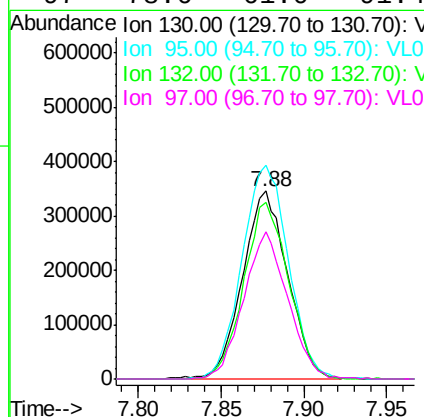
Manual Integrations
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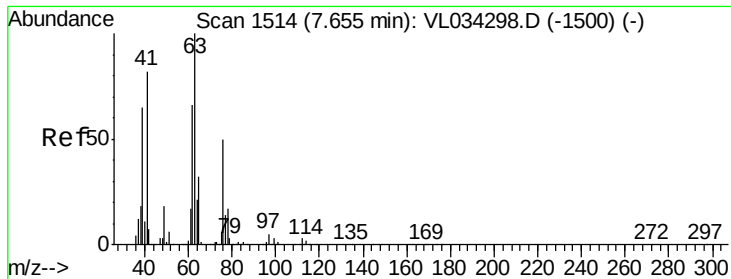
MMDadoda
 10/31/2019 3:36:52 PM



#38
 Trichloroethene
 Concen: 8.805 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion: 130 Resp: 645720
 Ion Ratio Lower Upper
 130 100
 95 113.9 88.6 132.8
 132 94.7 71.2 106.8
 97 78.6 61.0 91.4





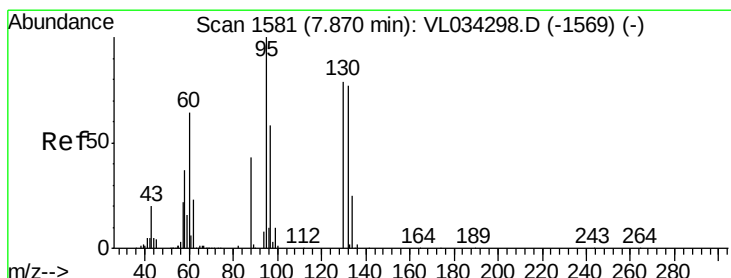
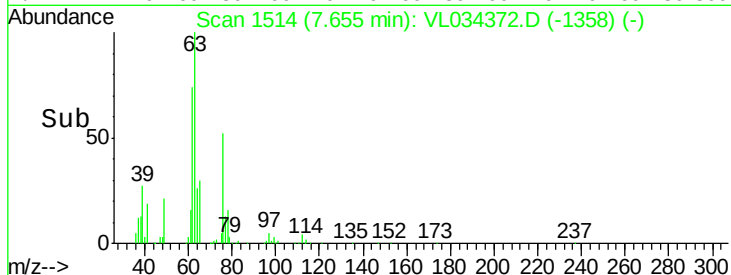
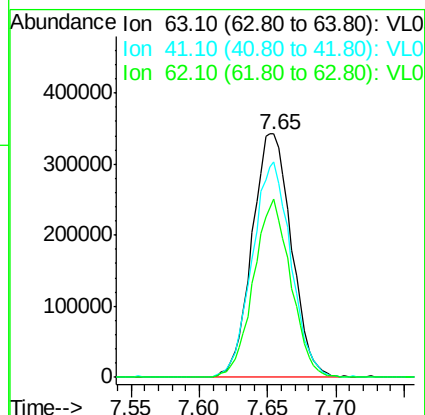
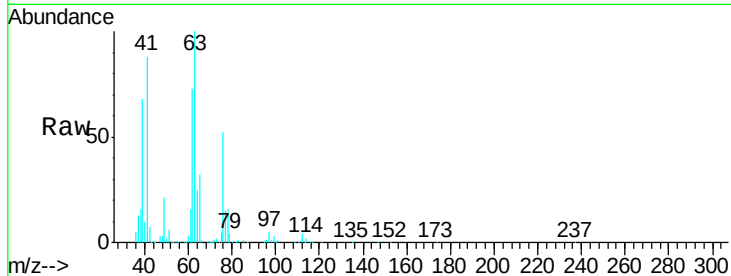
#39
 1,2-Dichloropropane
 Concen: 8.717 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	88.5	65.6	98.4
62	73.0	53.0	79.6

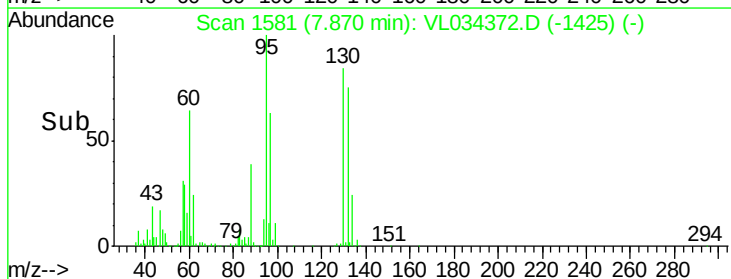
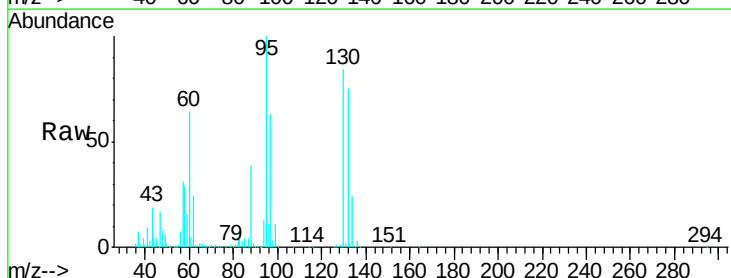
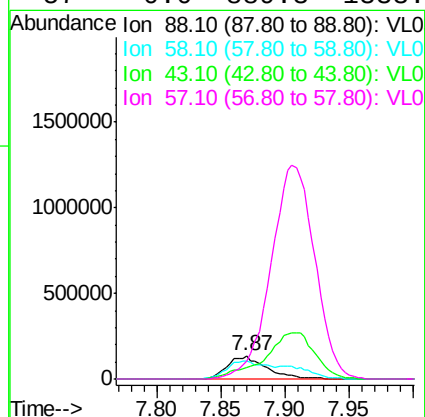
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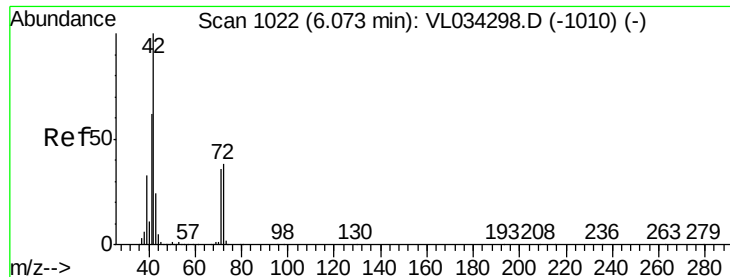
MMDadoda
 10/31/2019 3:36:52 PM



#40
 1,4-Dioxane
 Concen: 10.362 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

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





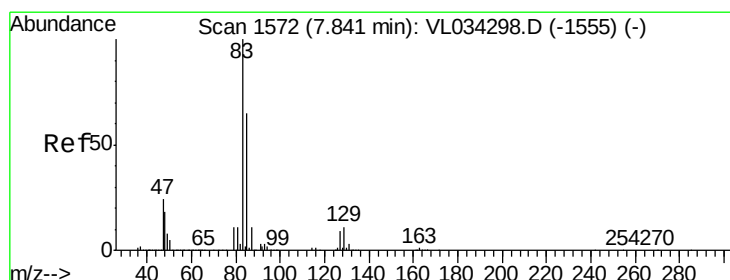
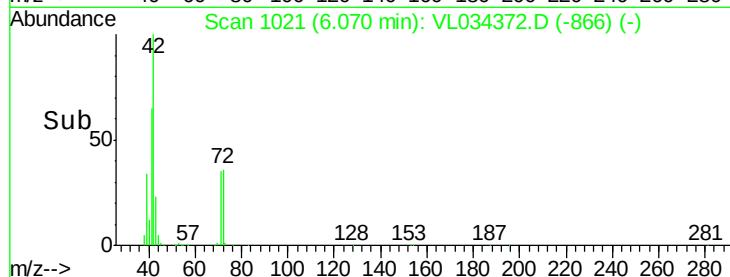
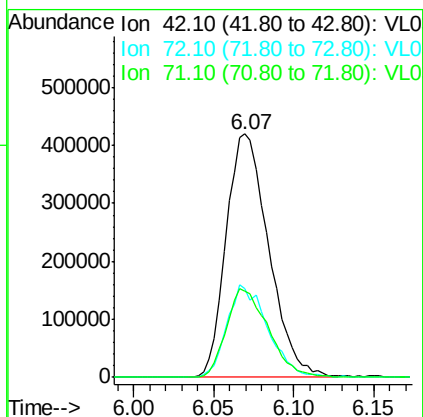
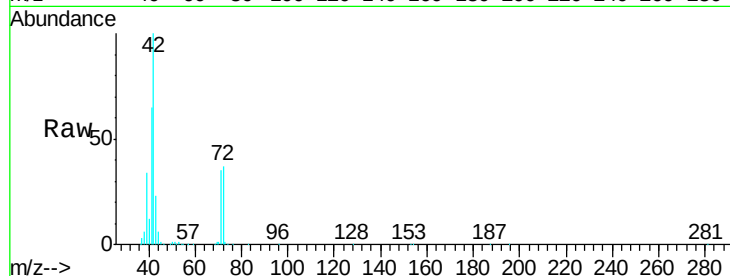
#41
Tetrahydrofuran
Concen: 8.835 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.5	28.0	42.0
71	35.8	27.3	40.9

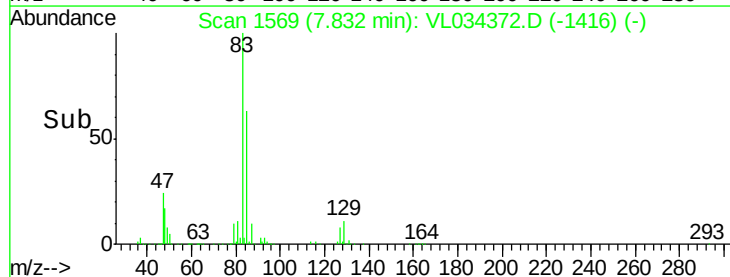
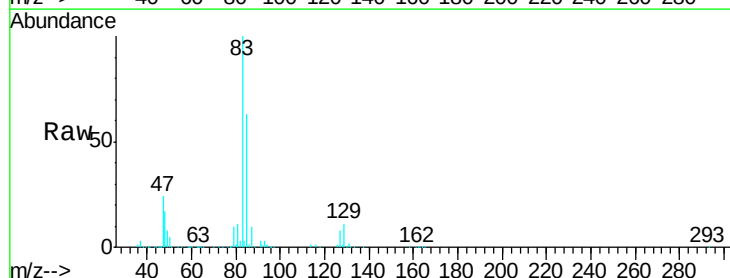
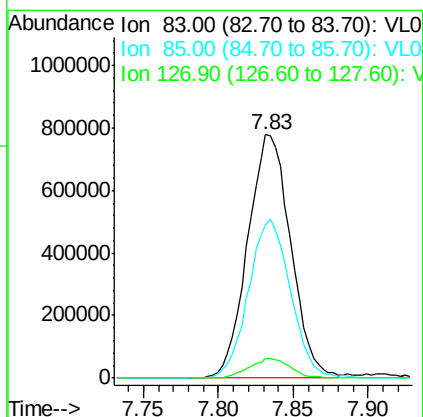
Manual Integrations
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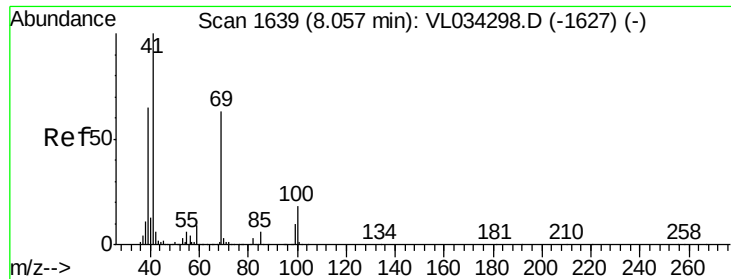
MMDadoda
10/31/2019 3:36:52 PM



#42
Bromodichloromethane
Concen: 9.318 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6
127	7.9	7.0	10.6





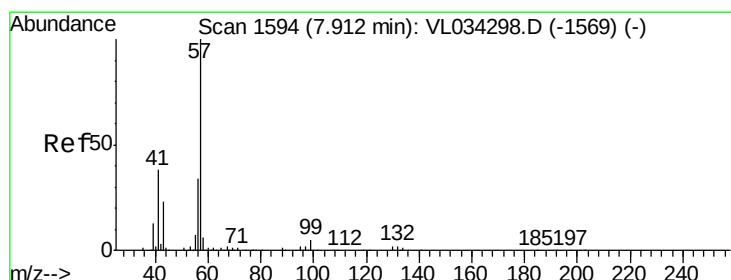
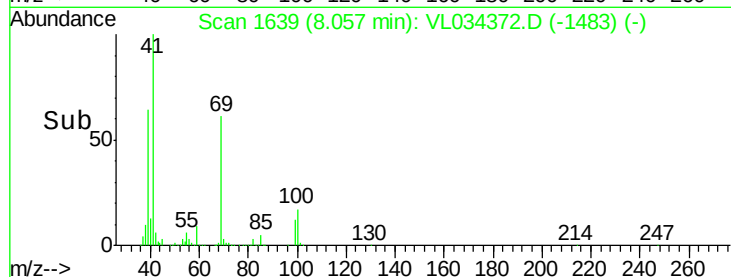
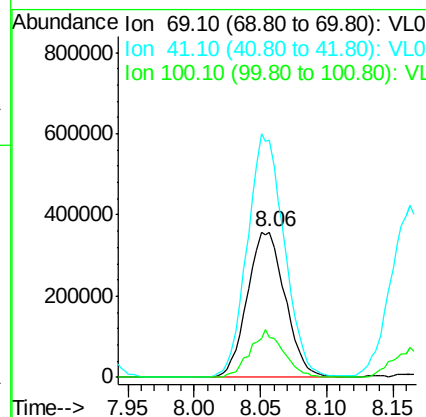
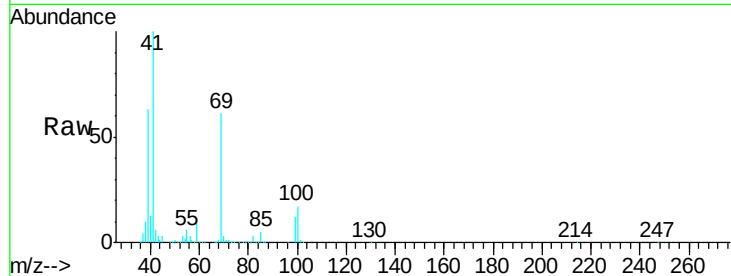
#43
Methyl Methacrylate
Concen: 9.394 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	163.2	132.1	198.1
100	29.0	23.2	34.8

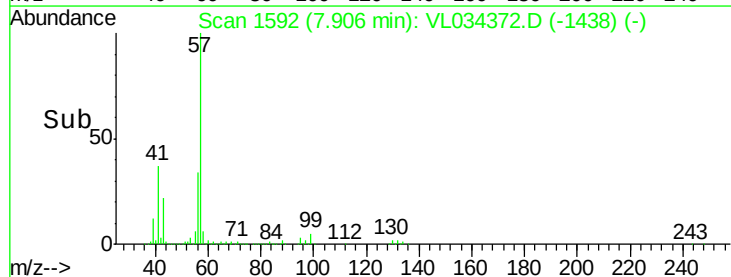
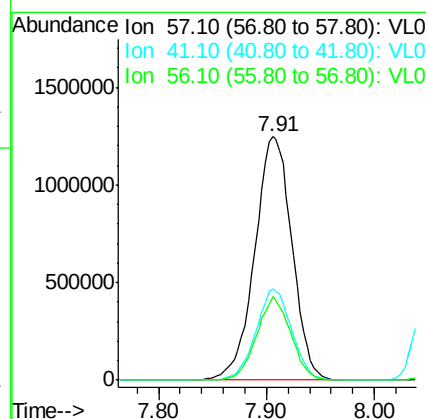
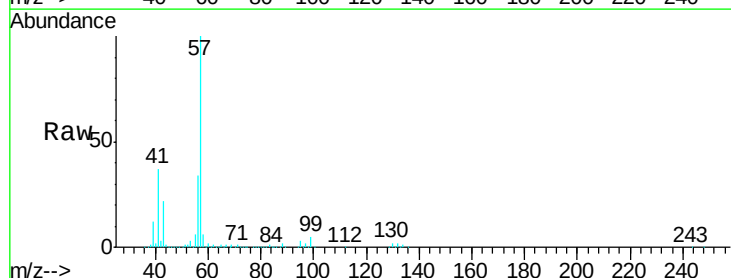
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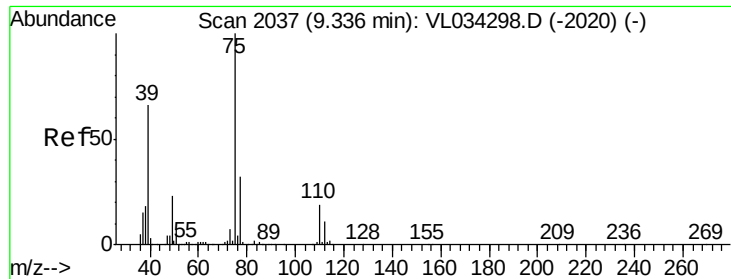
MMDadoda
10/31/2019 3:36:52 PM



#44
2,2,4-Trimethylpentane
Concen: 8.799 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.9	29.3	43.9
56	31.2	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 9.907 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 912338

Ion Ratio Lower Upper

75 100

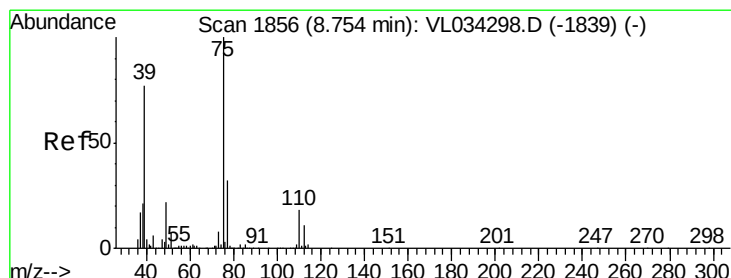
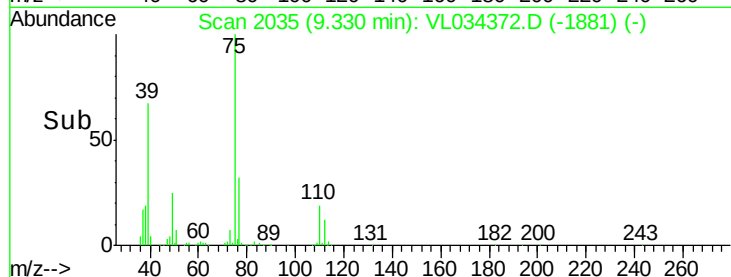
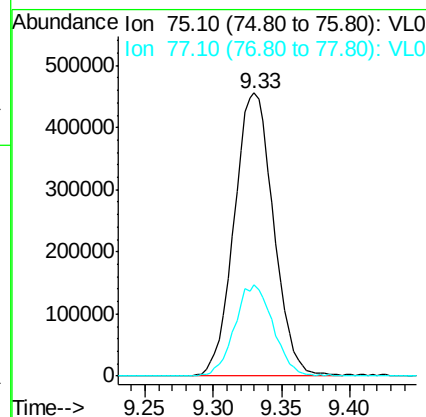
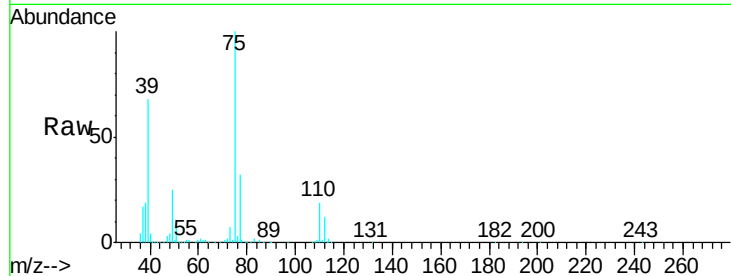
77 32.1 25.6 38.4

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#46

cis-1,3-Dichloropropene

Concen: 9.846 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

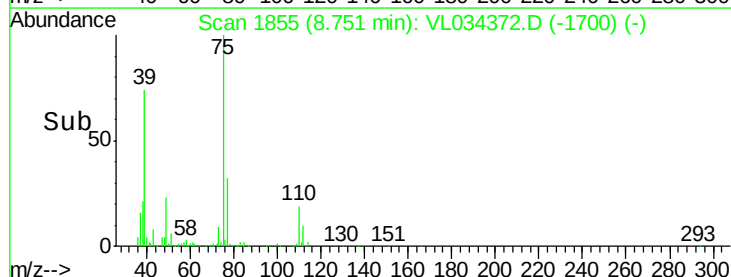
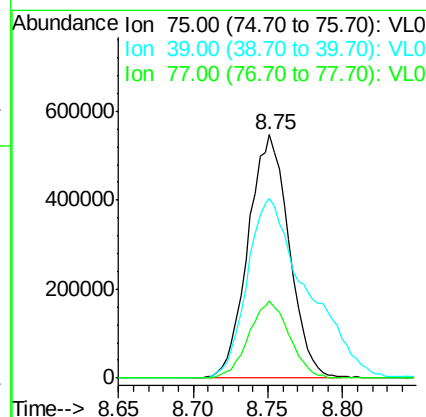
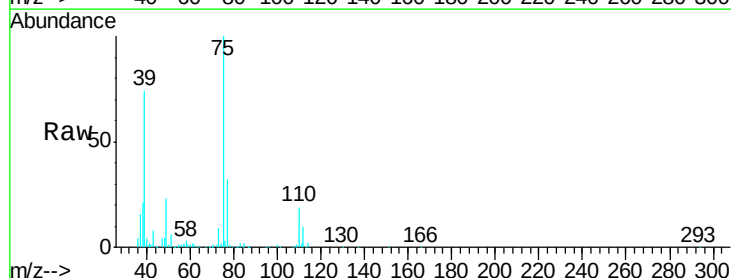
Tgt Ion: 75 Resp: 1041735

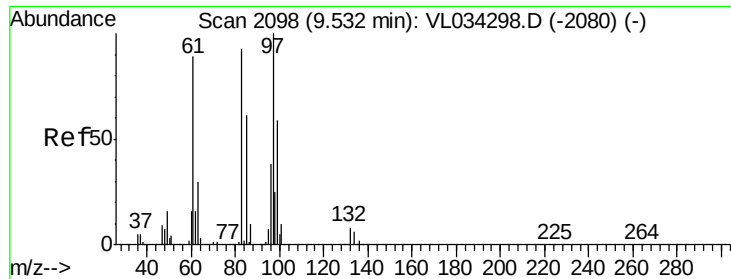
Ion Ratio Lower Upper

75 100

39 73.8 61.2 91.8

77 31.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 8.819 ppbv

RT: 9.53 min Scan# 2097

Delta R.T. -0.00 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

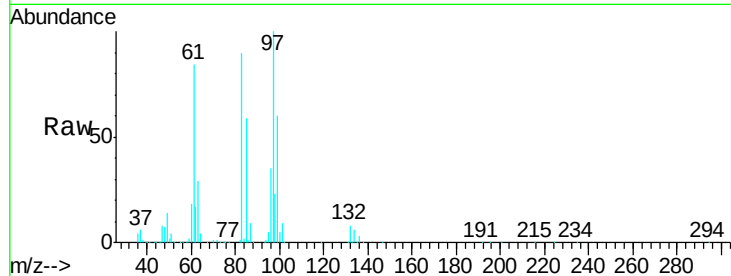
ClientSampleId :

VSTDCCC010EC

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.6	74.2	111.2	
85	59.3	48.6	73.0	
99	59.6	47.0	70.6	

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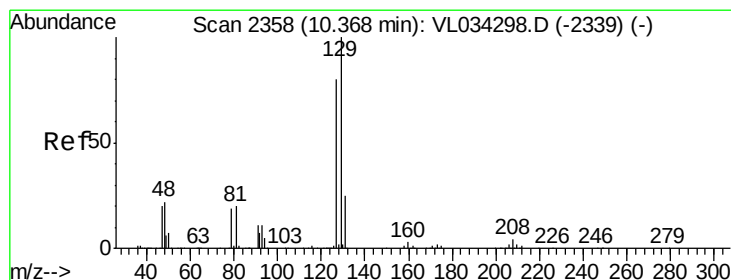
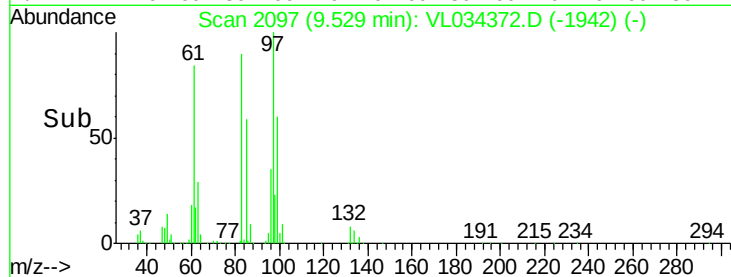
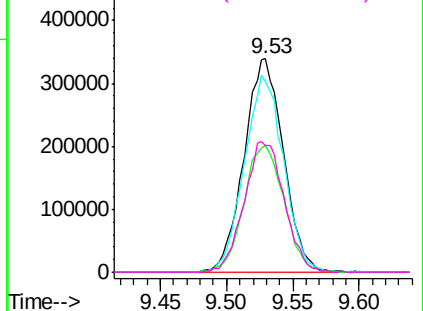


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.812 ppbv

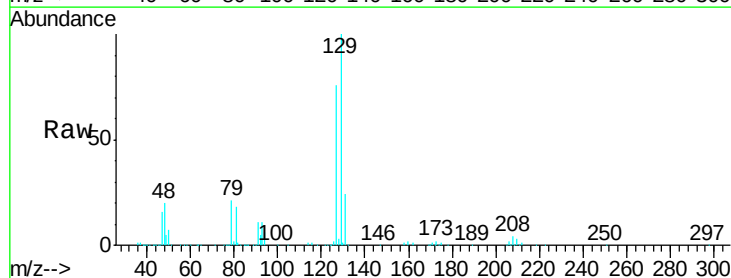
RT: 10.37 min Scan# 2357

Delta R.T. -0.00 min

Lab File: VL034372.D

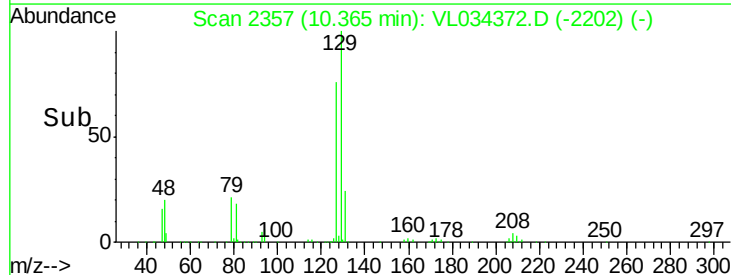
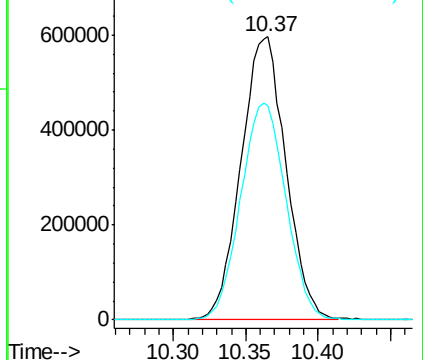
Acq: 25 Oct 2019 20:21

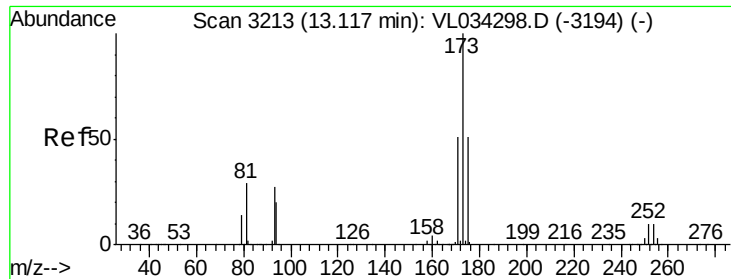
Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.6	39.7	119.1	



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





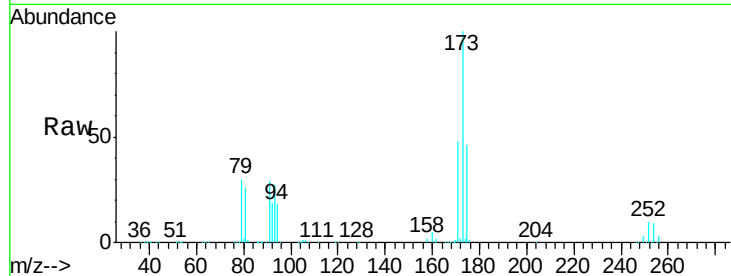
#49
Bromoform
Concen: 9.767 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

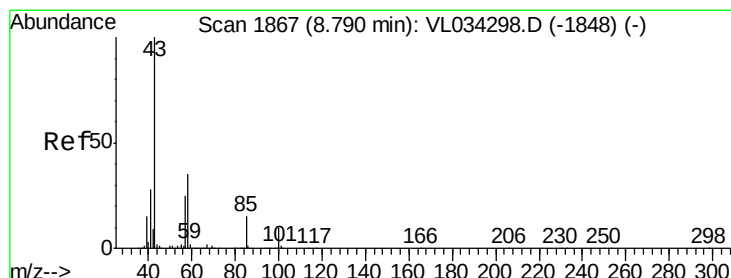
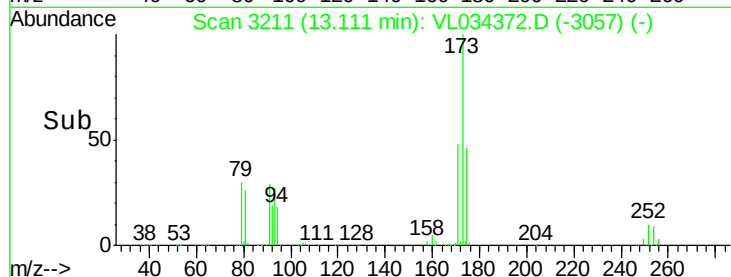
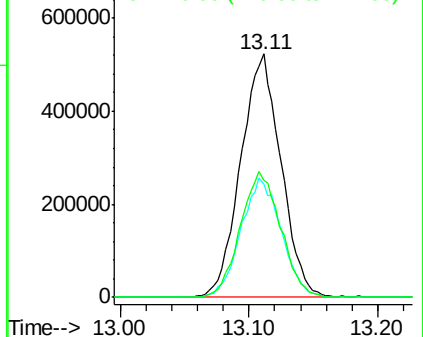
Tgt Ion: 173 Resp: 1131686
Ion Ratio Lower Upper
173 100
175 49.4 39.8 59.6
171 52.2 41.8 62.6

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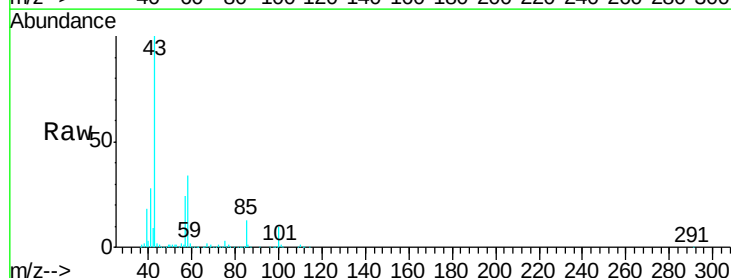


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

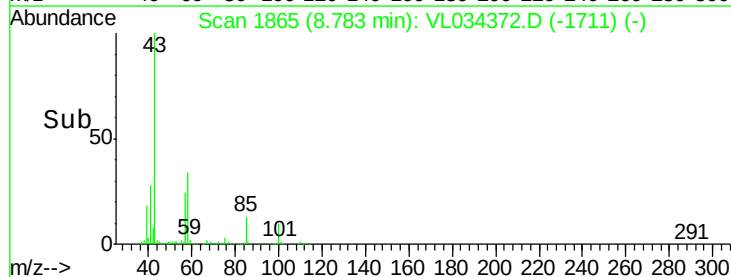
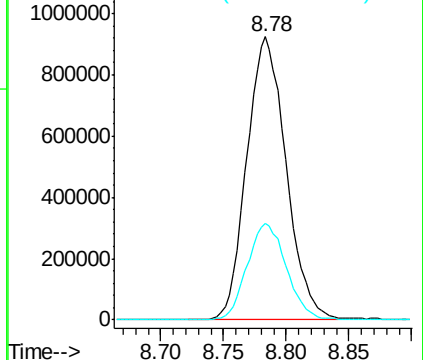


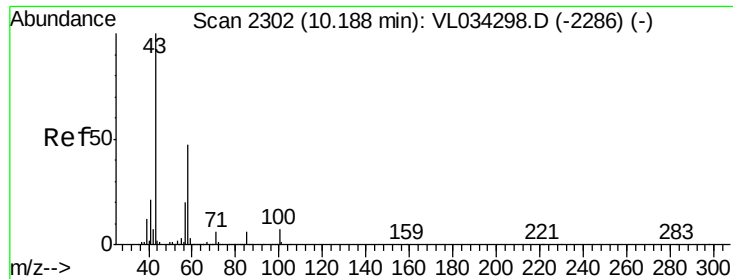
#50
4-Methyl-2-Pentanone
Concen: 9.038 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion: 43 Resp: 2014538
Ion Ratio Lower Upper
43 100
58 34.2 27.6 41.4



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





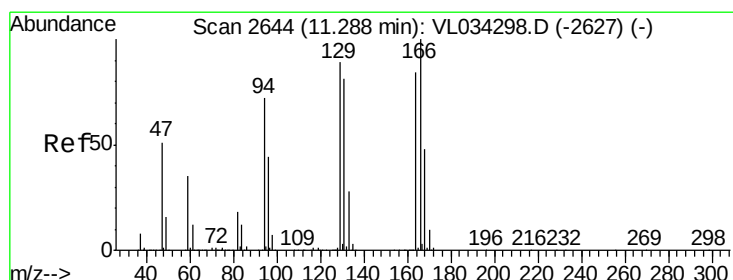
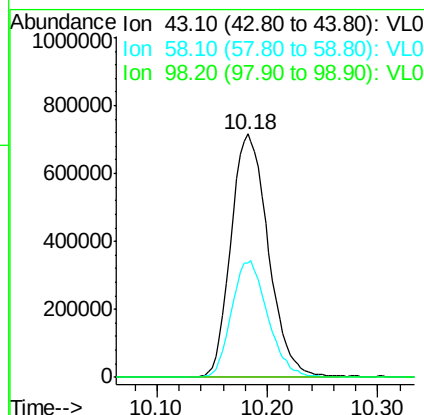
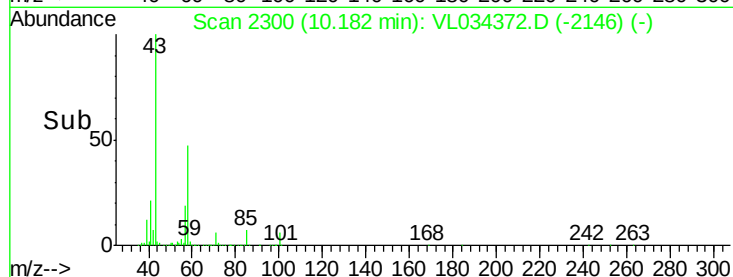
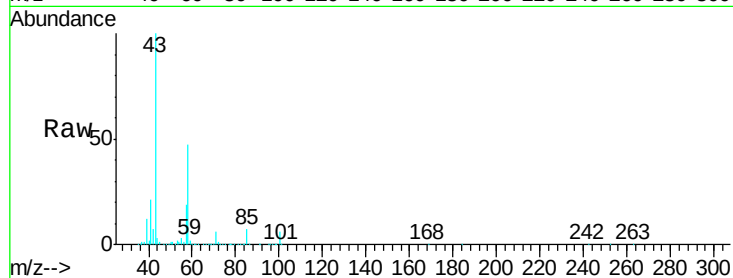
#51
2-Hexanone
Concen: 9.200 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1680863
Ion Ratio Lower Upper
43 100
58 46.6 37.0 55.6
98 0.2 0.2 0.2

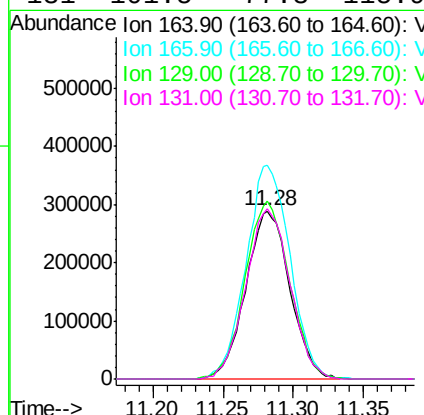
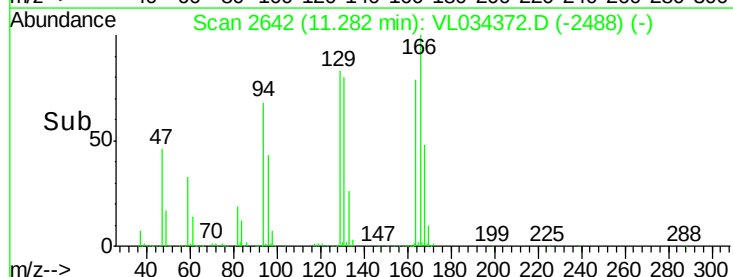
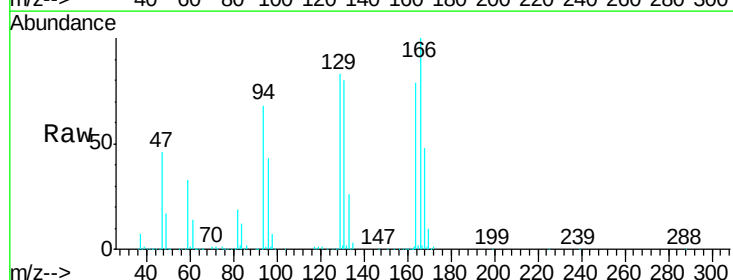
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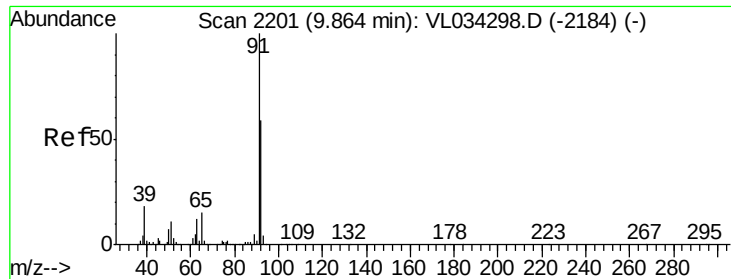
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#52
Tetrachloroethene
Concen: 8.786 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion: 164 Resp: 629379
Ion Ratio Lower Upper
164 100
166 126.9 95.3 142.9
129 105.6 84.5 126.7
131 101.5 77.3 115.9





#53

Toluene

Concen: 9.522 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 1920426

Ion Ratio Lower Upper

91 100

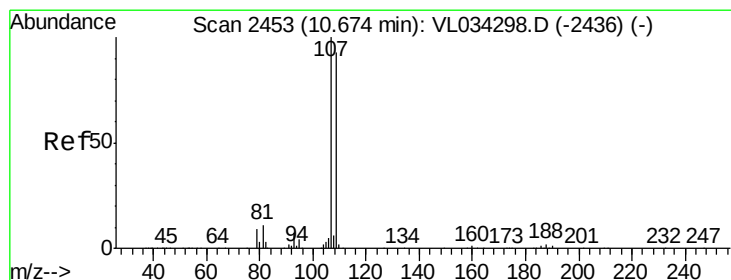
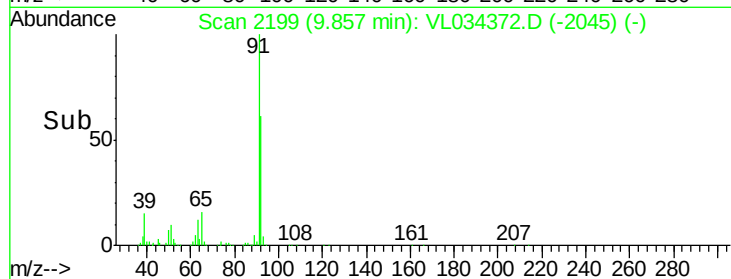
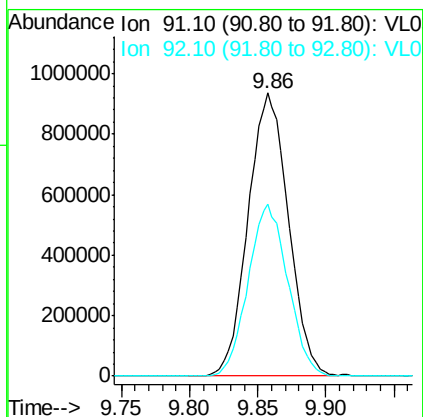
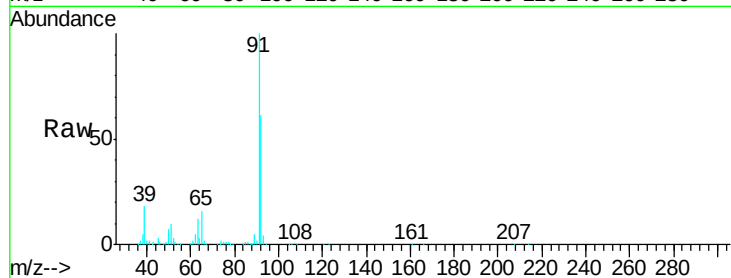
92 60.0 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.462 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034372.D

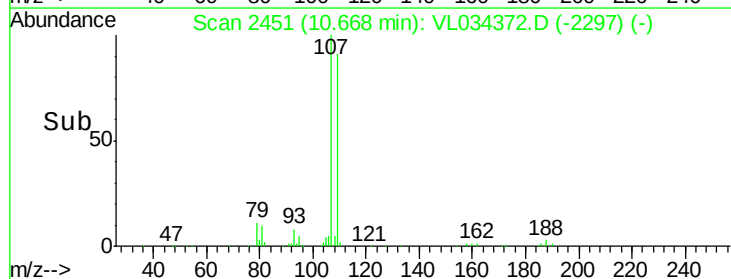
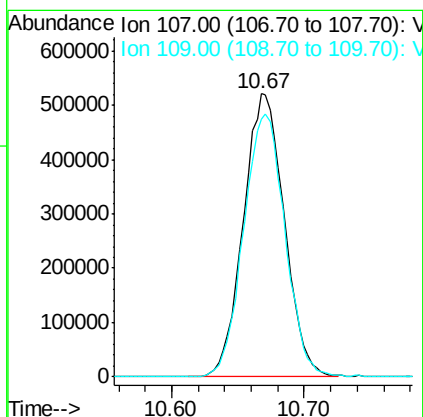
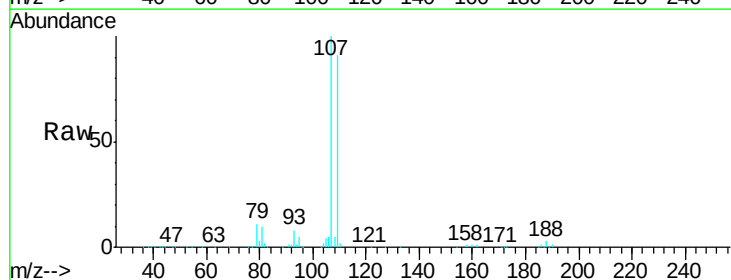
Acq: 25 Oct 2019 20:21

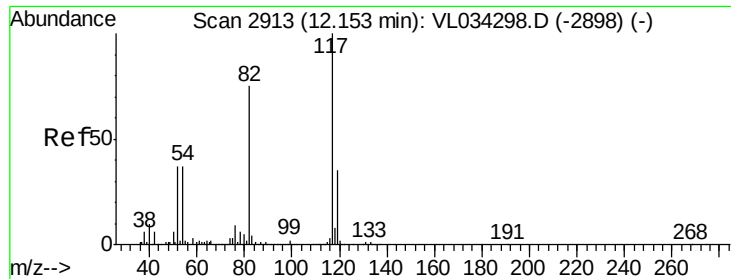
Tgt Ion: 107 Resp: 1117894

Ion Ratio Lower Upper

107 100

109 90.9 74.6 112.0





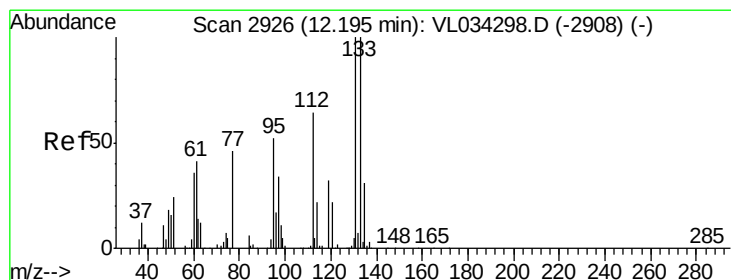
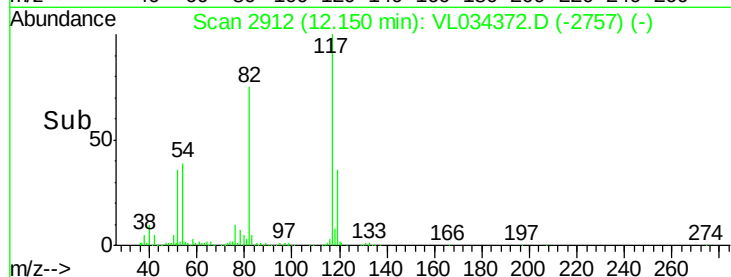
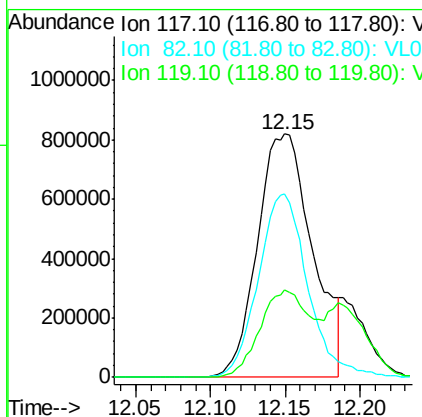
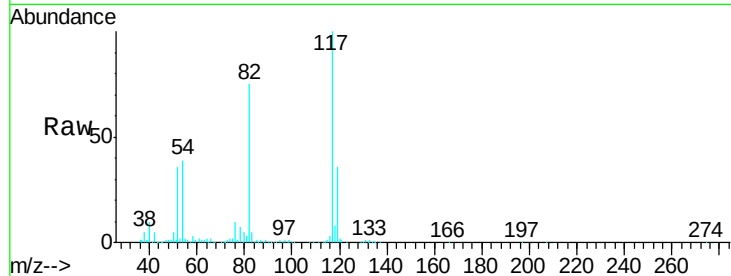
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2093006
Ion Ratio Lower Upper
117 100
82 68.0 55.5 83.3
119 32.6 26.5 39.7

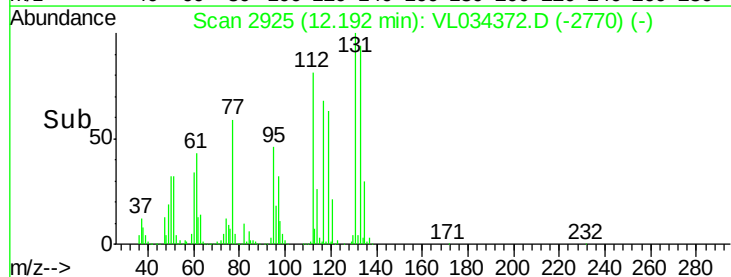
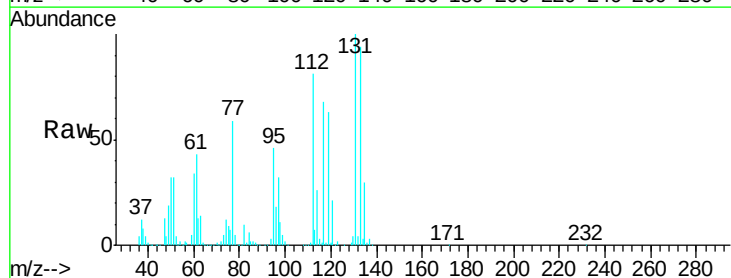
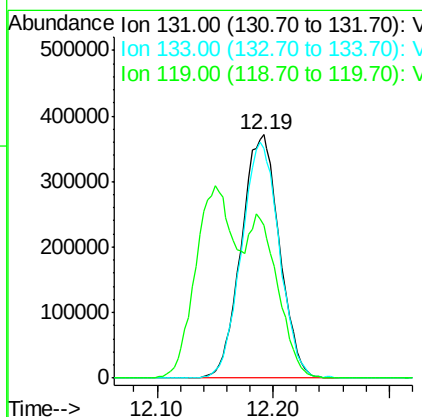
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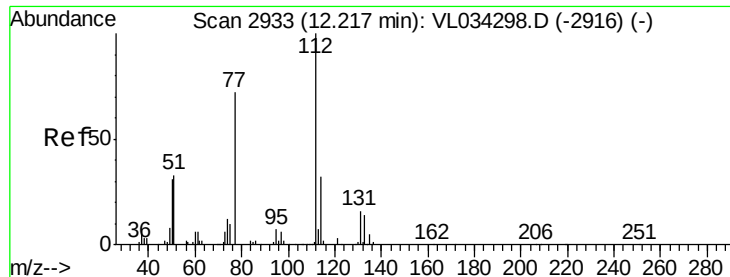
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.800 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion:131 Resp: 848830
Ion Ratio Lower Upper
131 100
133 96.2 77.1 115.7
119 51.4 49.0 73.4





#57

Chlorobenzene

Concen: 8.391 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 112 Resp: 1465087

Ion Ratio Lower Upper

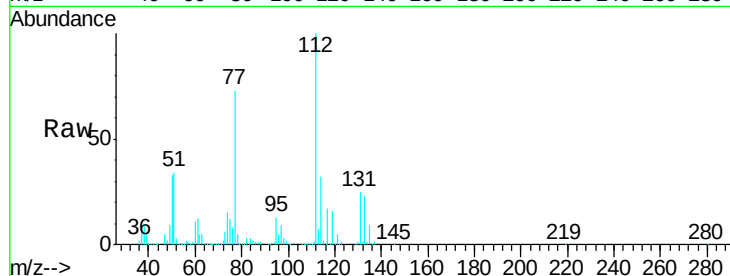
112 100

77 72.7 58.6 88.0

114 31.7 28.6 35.0

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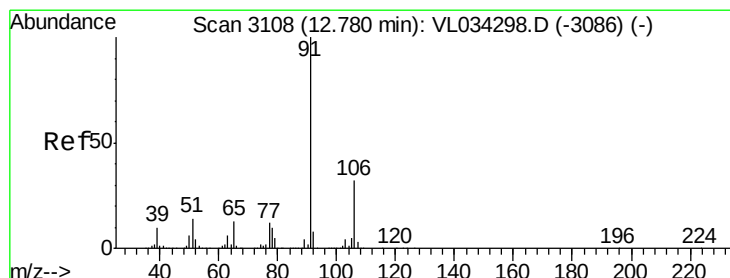
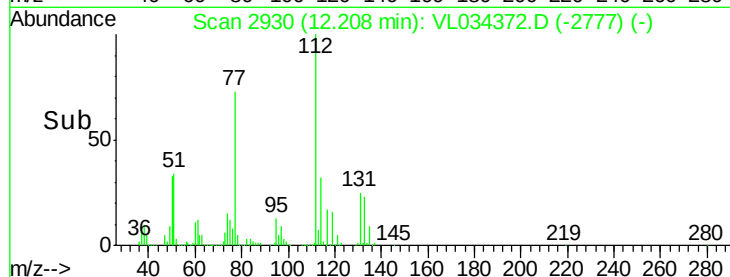
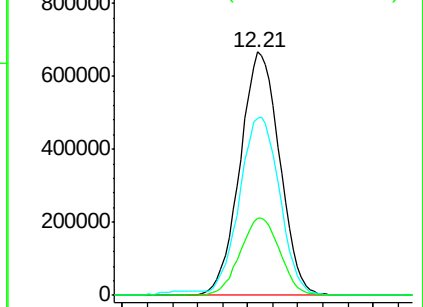
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.185 ppbv

RT: 12.77 min Scan# 3105

Delta R.T. -0.01 min

Lab File: VL034372.D

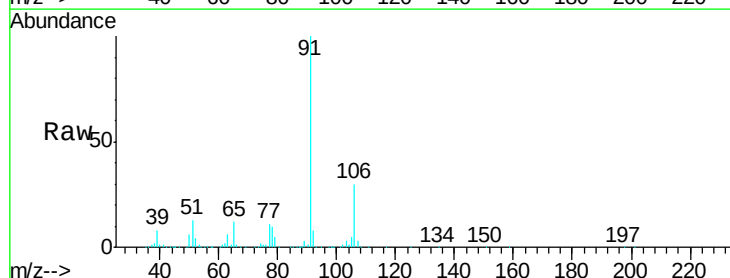
Acq: 25 Oct 2019 20:21

Tgt Ion: 91 Resp: 2687299

Ion Ratio Lower Upper

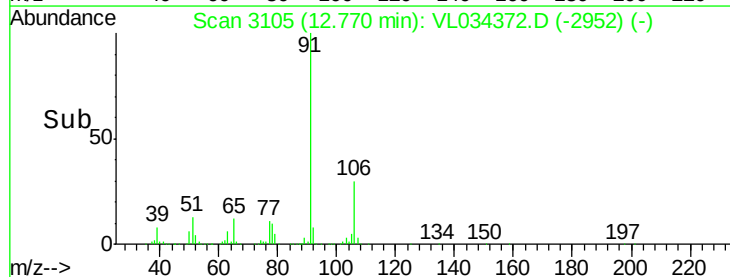
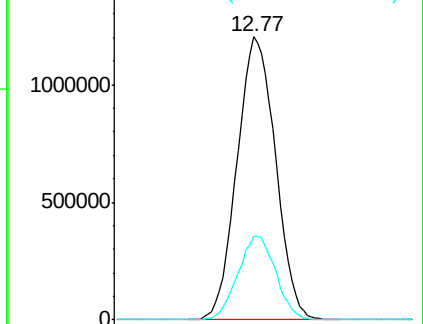
91 100

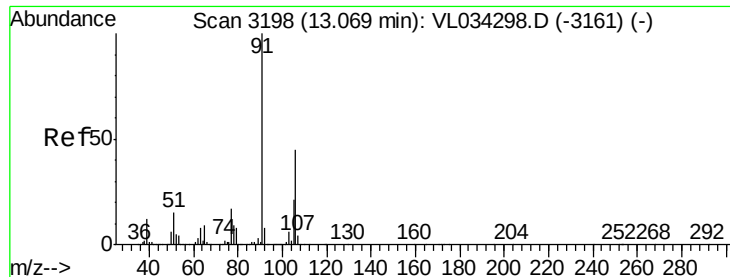
106 29.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





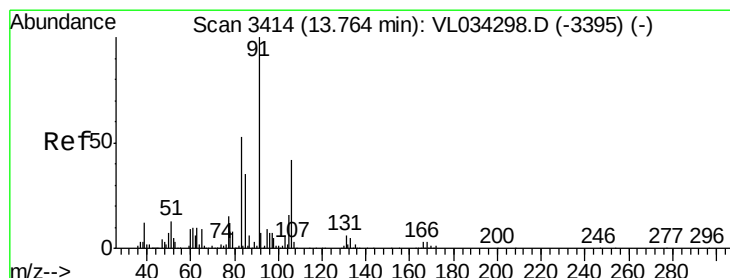
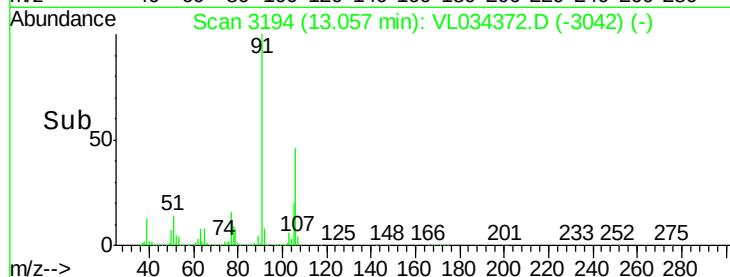
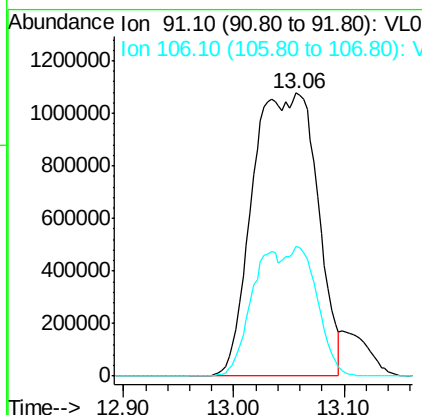
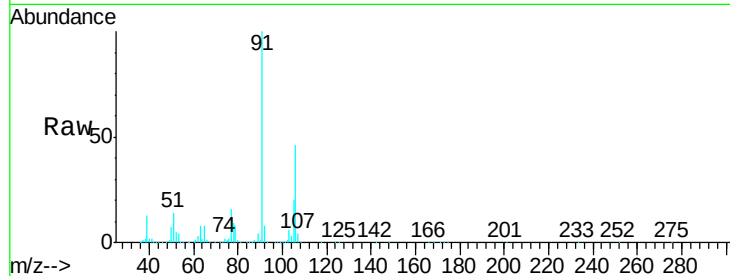
#59
m/p-Xylene
Concen: 17.248 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4372309
Ion Ratio Lower Upper
91 100
106 43.9 35.4 53.2

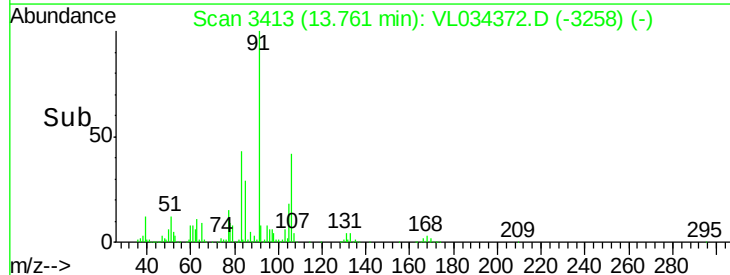
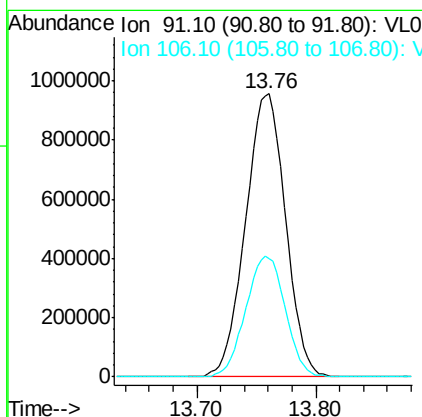
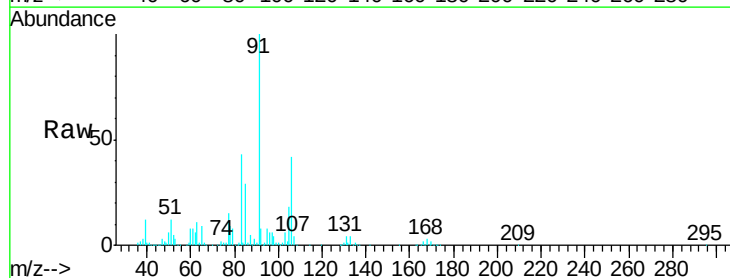
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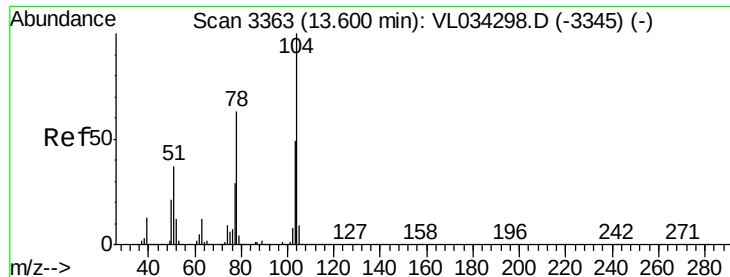
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#60
o-Xylene
Concen: 8.810 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034372.D
Acq: 25 Oct 2019 20:21

Tgt Ion: 91 Resp: 2223911
Ion Ratio Lower Upper
91 100
106 42.3 21.6 64.6





#61

Styrene

Concen: 9.039 ppbv

RT: 13.59 min Scan# 3361

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 1606347

Ion Ratio Lower Upper

104 100

78 60.5 47.8 71.8

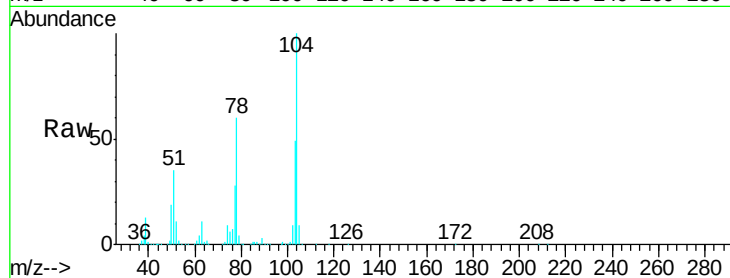
103 47.9 39.0 58.6

Manual Integrations

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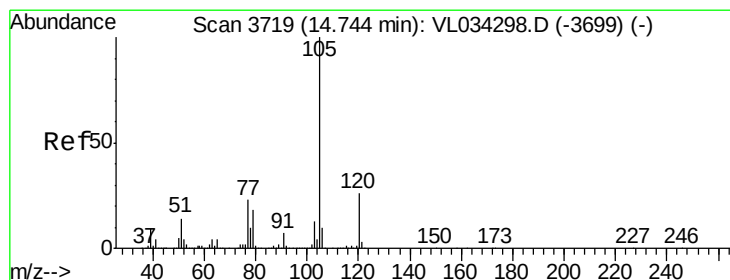
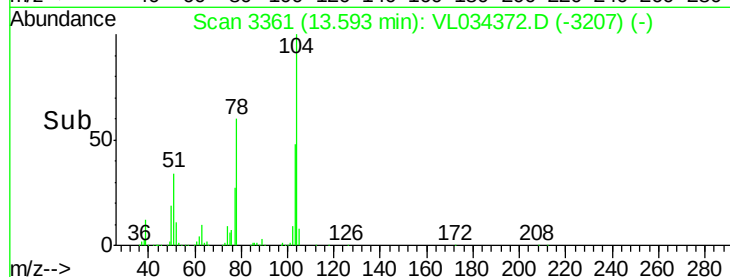
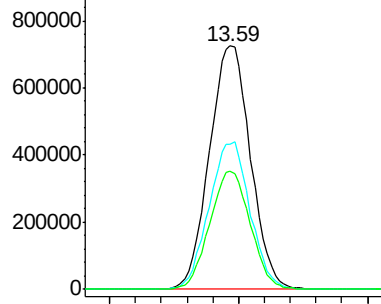
10/31/2019 3:36:52 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.858 ppbv

RT: 14.73 min Scan# 3716

Delta R.T. -0.01 min

Lab File: VL034372.D

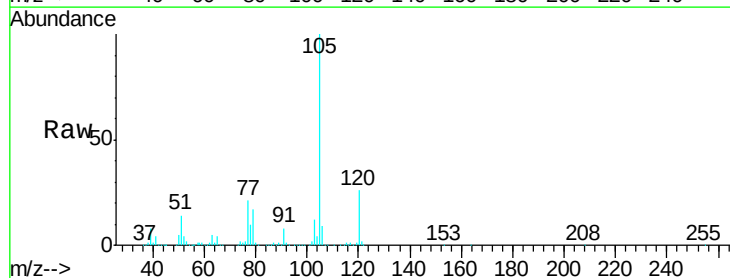
Acq: 25 Oct 2019 20:21

Tgt Ion:105 Resp: 2951795

Ion Ratio Lower Upper

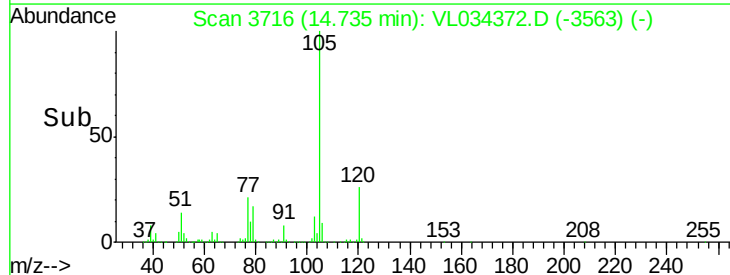
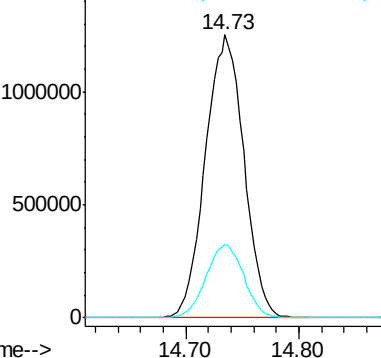
105 100

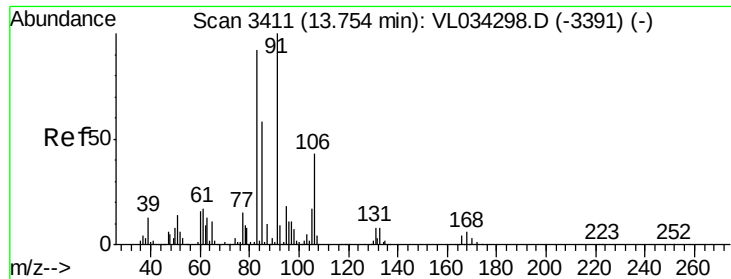
120 25.5 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





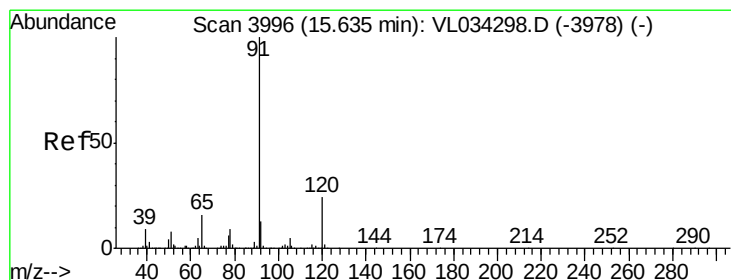
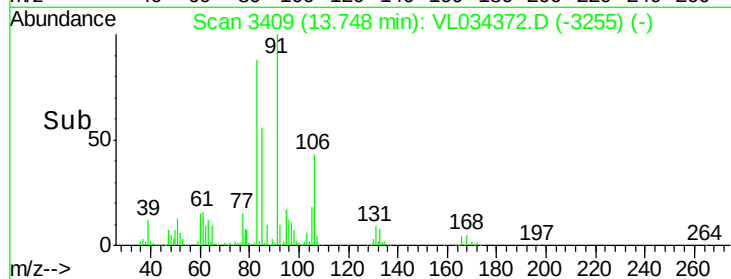
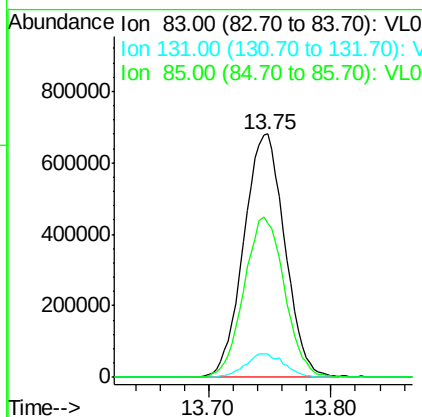
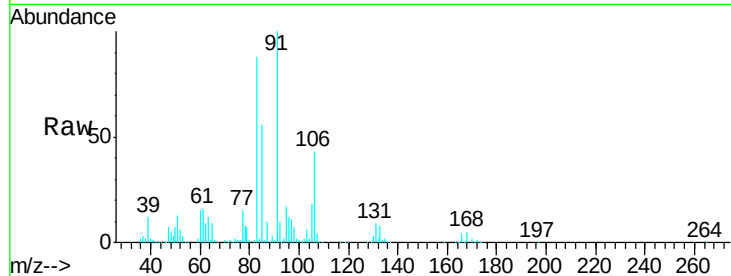
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.802 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	65.3	32.5	97.4

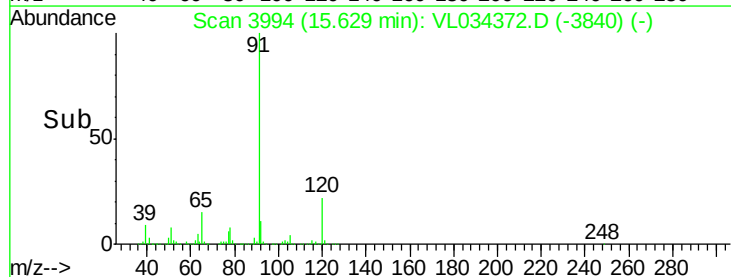
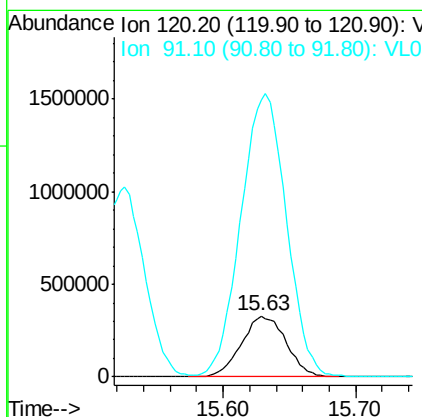
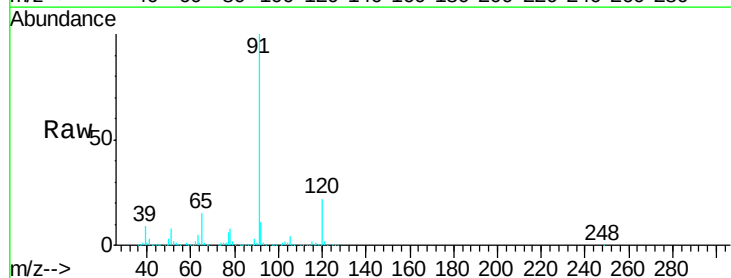
Manual Integrations
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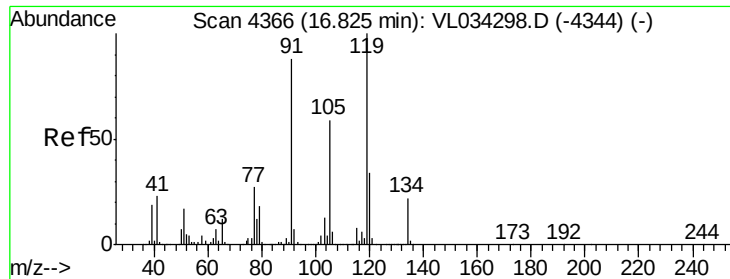
MMDadoda
 10/31/2019 3:36:52 PM



#64
 n-propylbenzene
 Concen: 8.949 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion	Ratio	Lower	Upper
120	100		
91	478.4	374.9	562.3





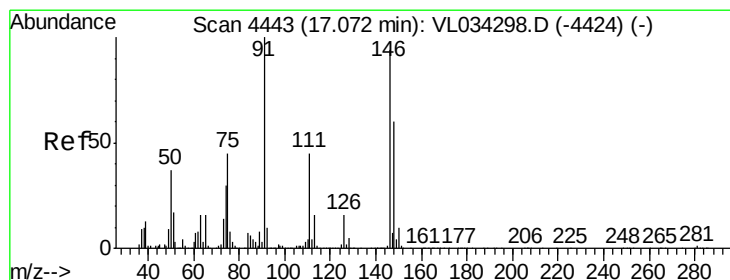
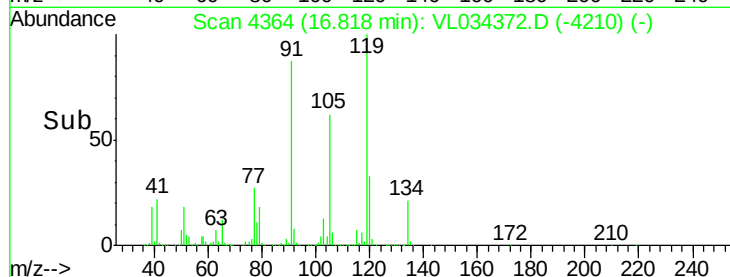
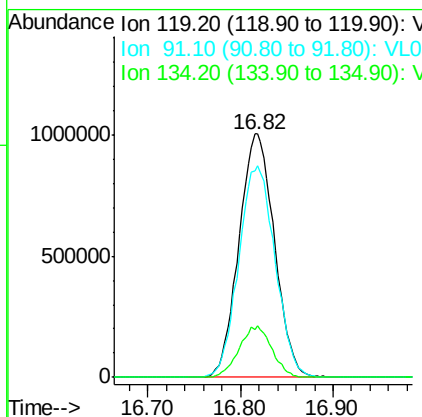
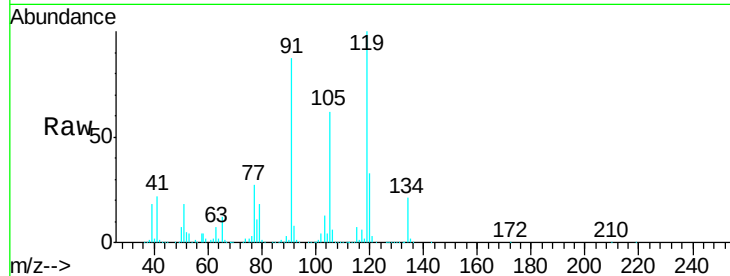
#65
 tert-Butylbenzene
 Concen: 9.024 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 2665017
 Ion Ratio Lower Upper
 119 100
 91 89.2 71.4 107.0
 134 19.4 15.9 23.9

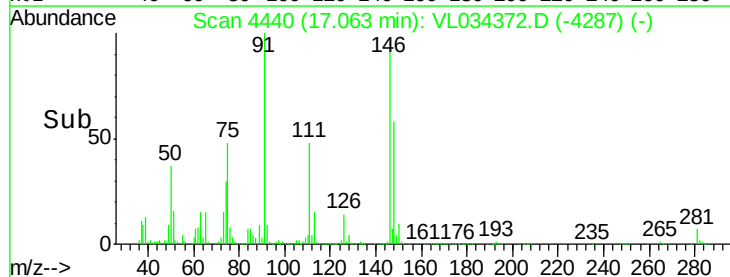
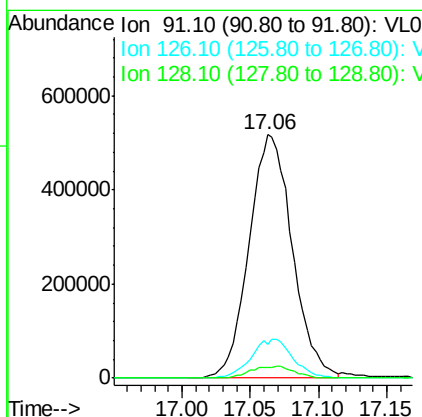
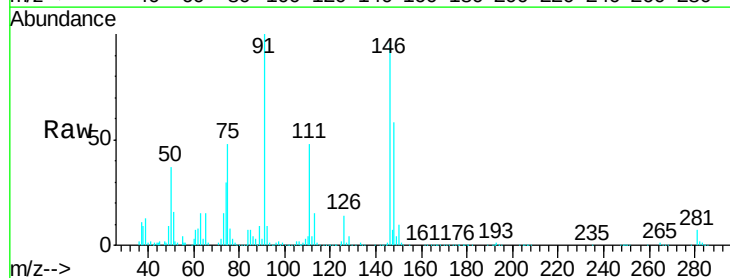
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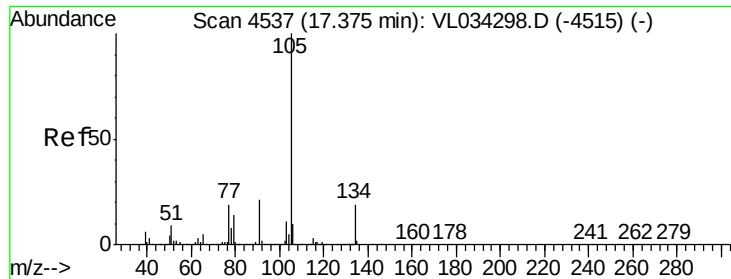
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#66
 Benzyl Chloride
 Concen: 9.753 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion: 91 Resp: 1137675
 Ion Ratio Lower Upper
 91 100
 126 15.7 12.9 19.3
 128 5.0 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.906 ppbv

RT: 17.37 min Scan# 4535

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 3701480

Ion Ratio Lower Upper

105 100

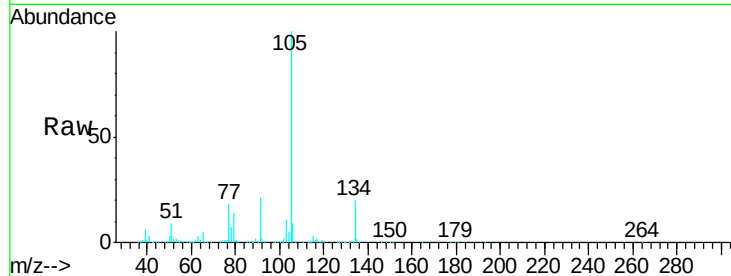
134 18.7 15.4 23.0

Manual Integrations

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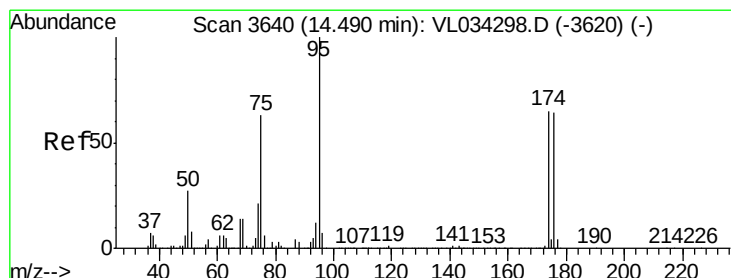
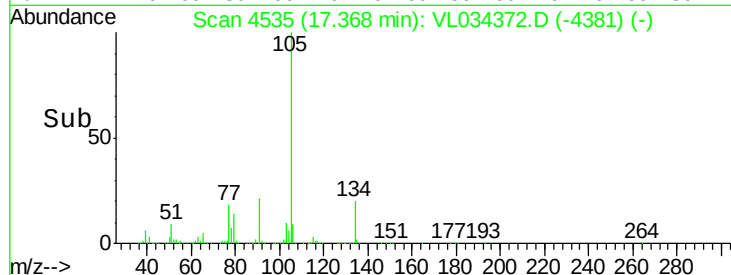
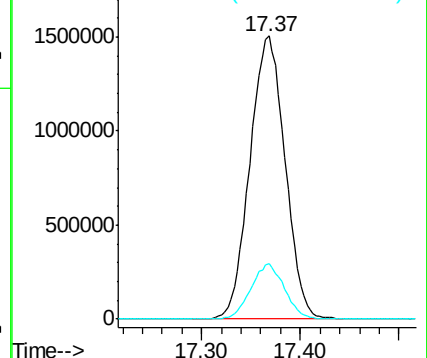
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.374 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

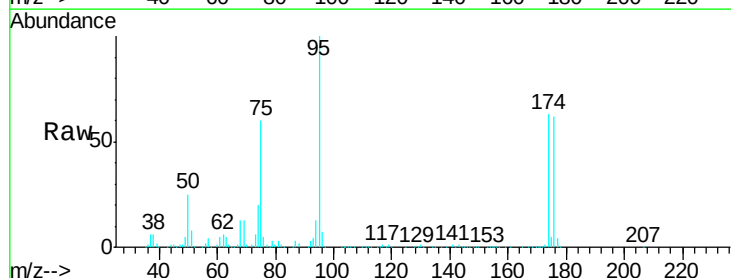
Tgt Ion: 95 Resp: 1661727

Ion Ratio Lower Upper

95 100

174 65.0 52.6 78.8

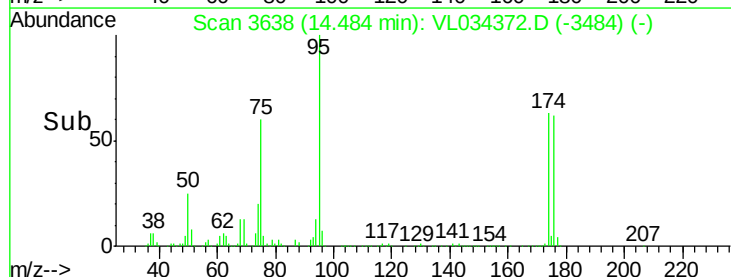
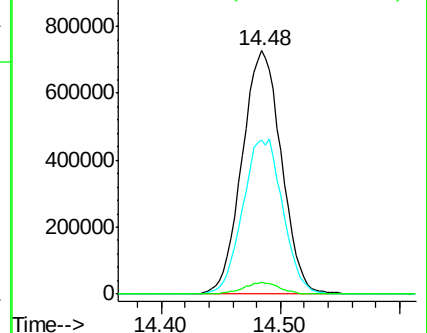
175 4.6 3.8 5.6

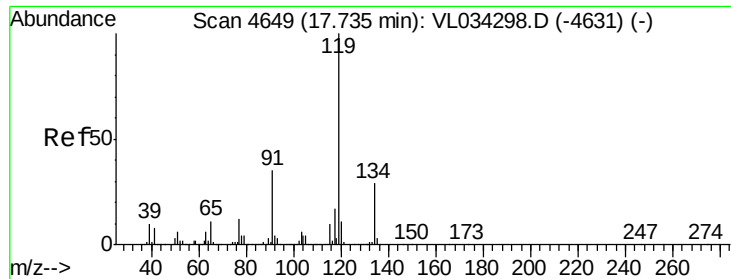


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





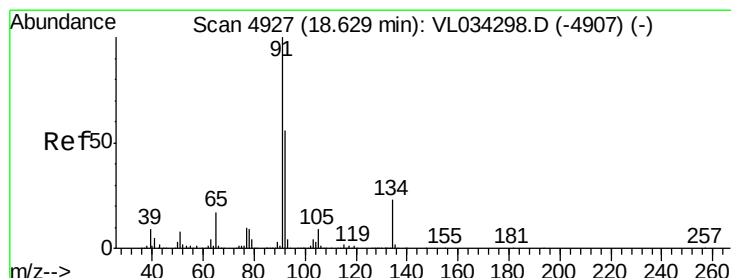
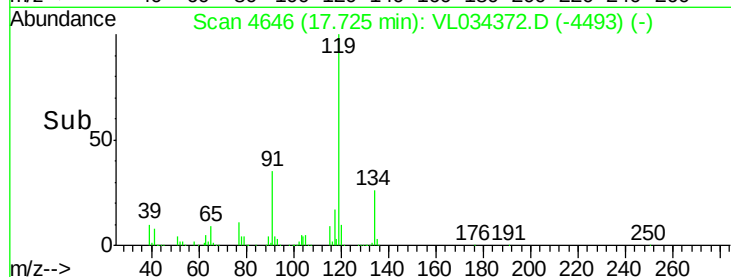
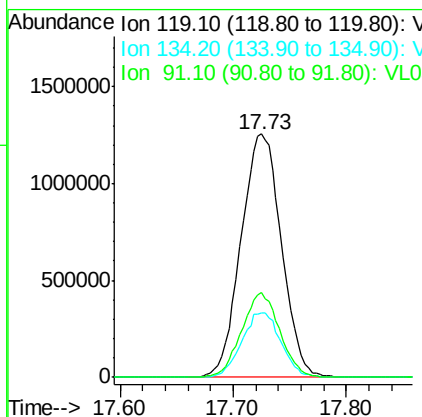
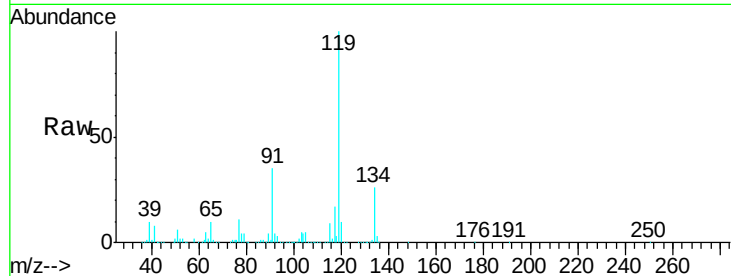
#69
 p-Isopropyltoluene
 Concen: 9.165 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3105473
 Ion Ratio Lower Upper
 119 100
 134 25.8 21.3 31.9
 91 33.1 26.6 39.8

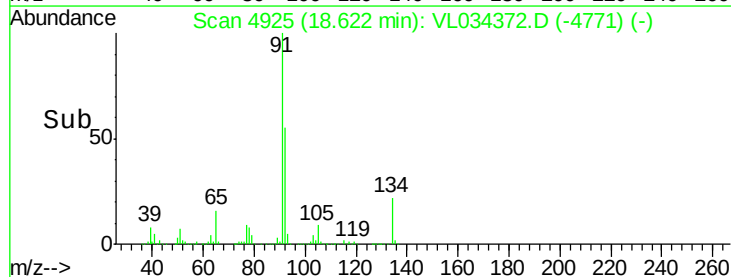
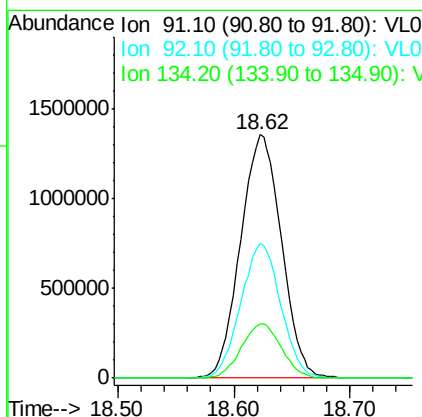
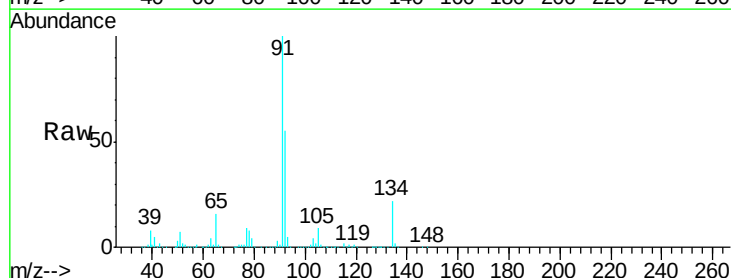
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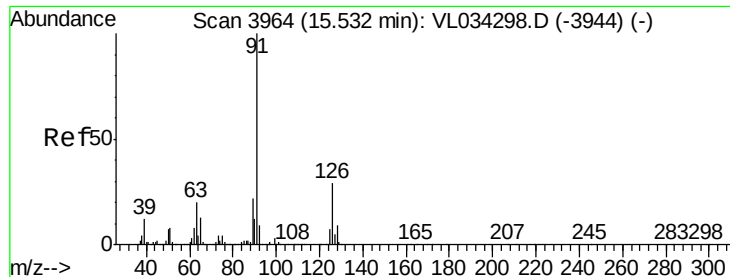
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#70
 n-Butylbenzene
 Concen: 9.033 ppbv
 RT: 18.62 min Scan# 4925
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion: 91 Resp: 3330306
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.5 66.7
 134 21.9 18.2 27.2





#71

2-Chlorotoluene

Concen: 9.147 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2363451

Ion Ratio Lower Upper

91 100

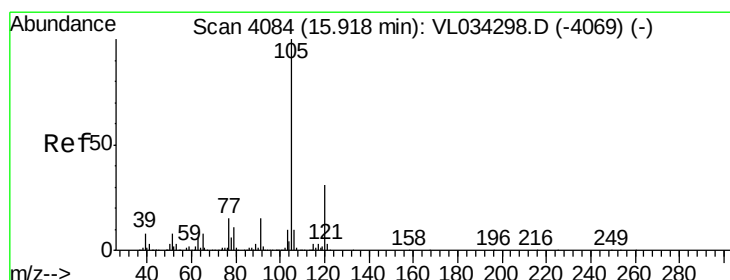
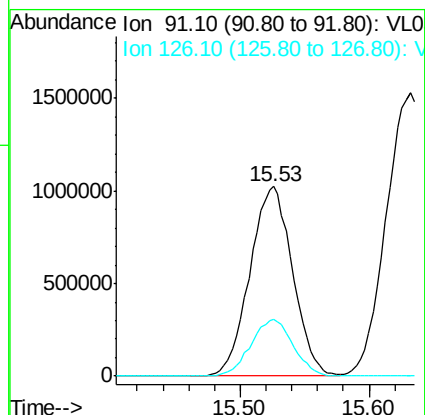
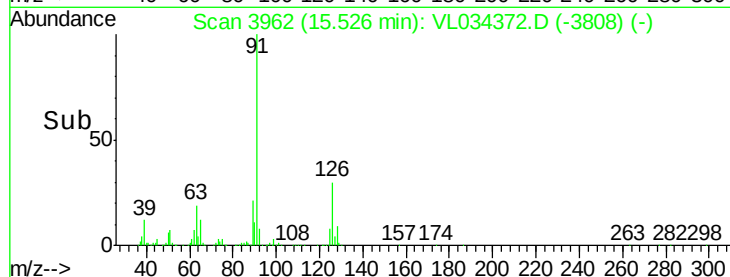
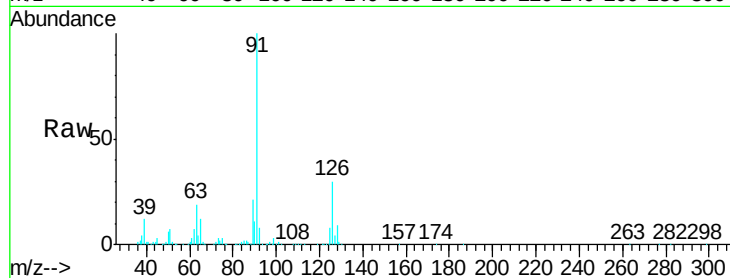
126 29.7 11.9 47.5

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.136 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Tgt Ion: 105 Resp: 2592260

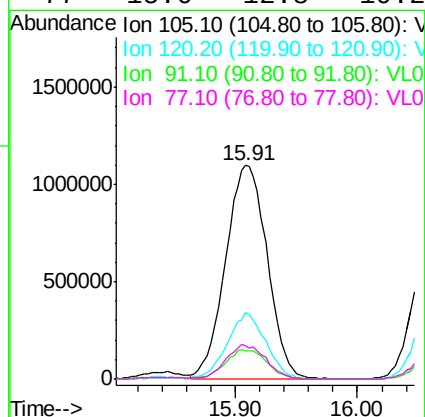
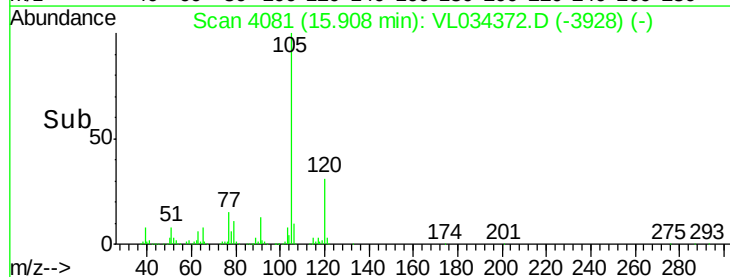
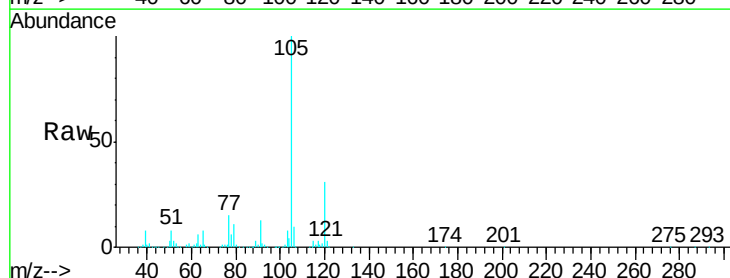
Ion Ratio Lower Upper

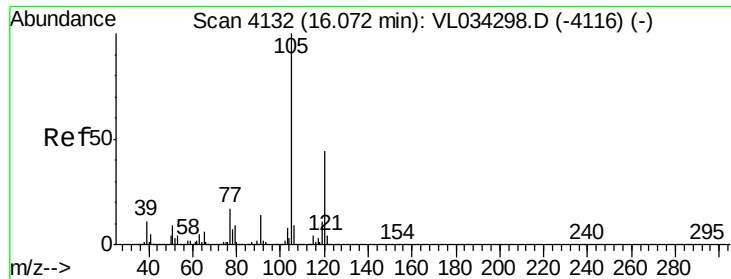
105 100

120 28.8 23.8 35.8

91 13.7 11.2 16.8

77 15.6 12.8 19.2





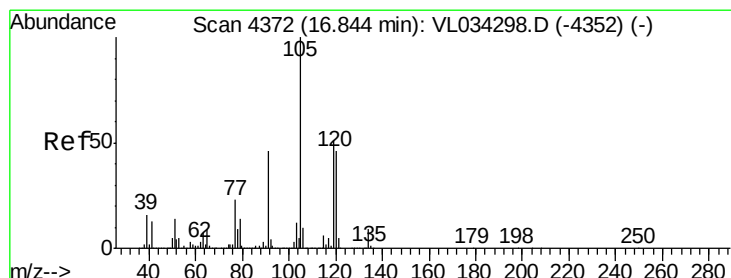
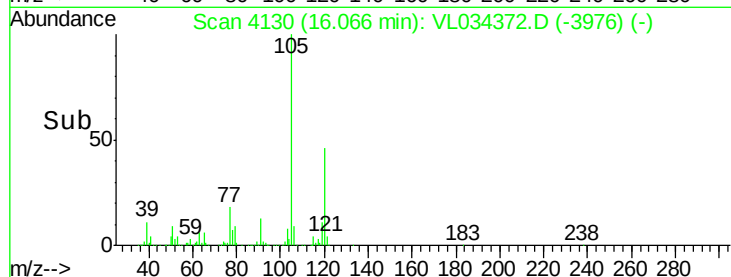
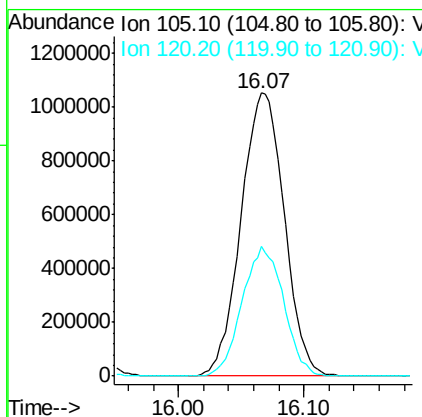
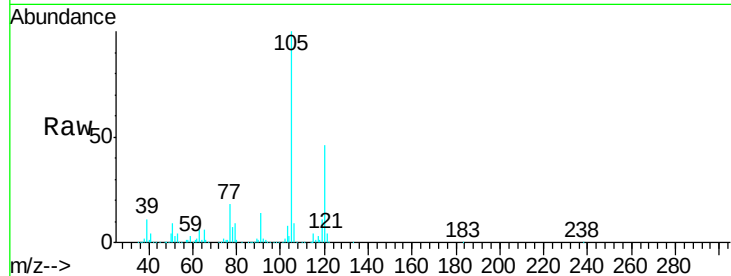
#73
 1,3,5-Trimethylbenzene
 Concen: 8.930 ppbv
 RT: 16.07 min Scan# 4130
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 2510721
 Ion Ratio Lower Upper
 105 100
 120 46.0 35.2 52.8

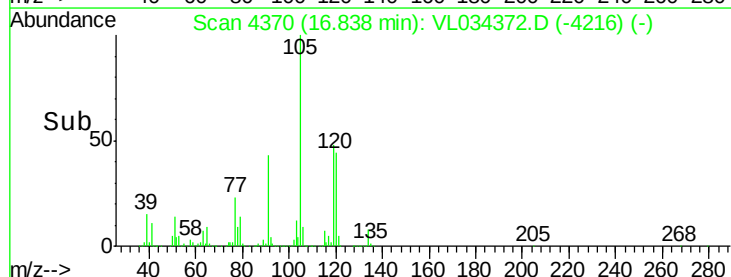
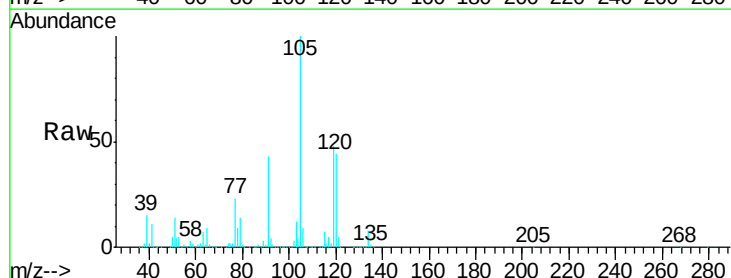
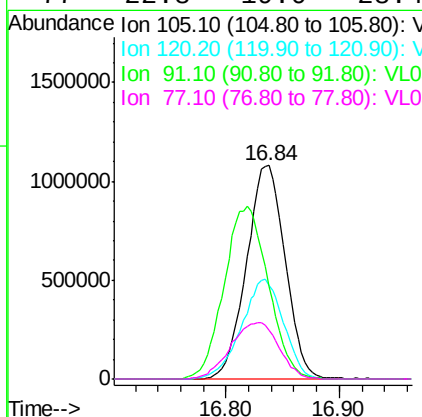
Manual Integrations
 APPROVED

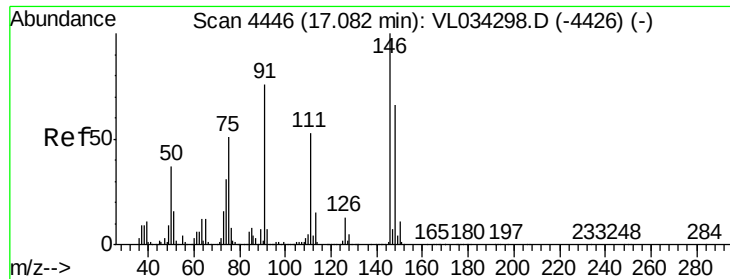
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.748 ppbv
 RT: 16.84 min Scan# 4370
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion:105 Resp: 2564856
 Ion Ratio Lower Upper
 105 100
 120 43.6 37.0 55.6
 91 43.1 38.2 57.2
 77 22.8 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.269 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

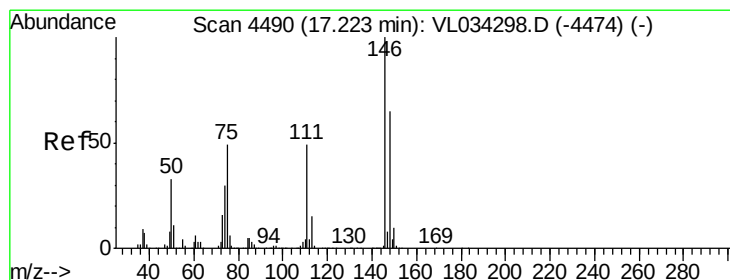
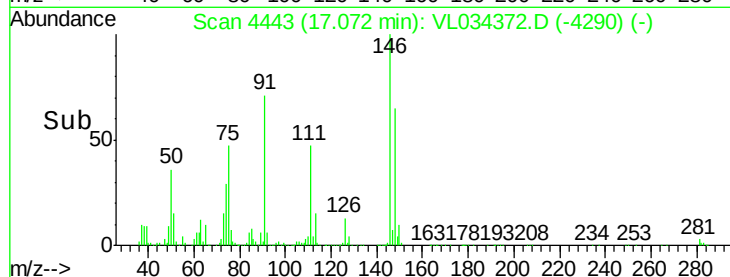
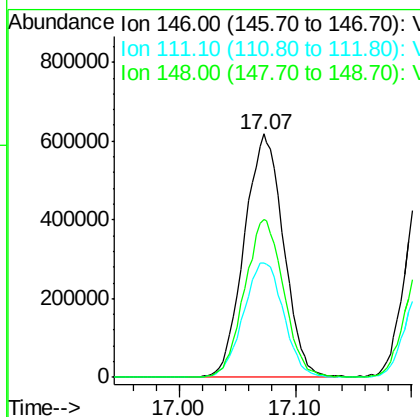
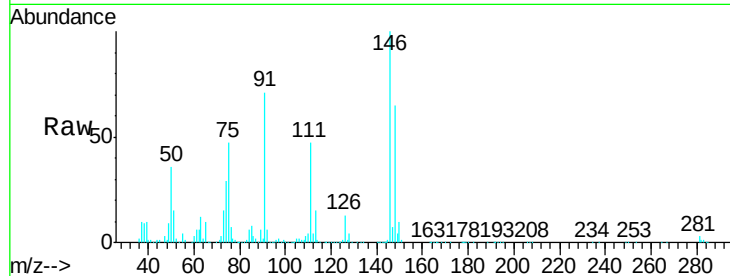
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	146	Resp:	1455549
Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.5	73.5
148	64.4	32.3	96.8

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#76

1,4-Dichlorobenzene

Concen: 8.390 ppbv

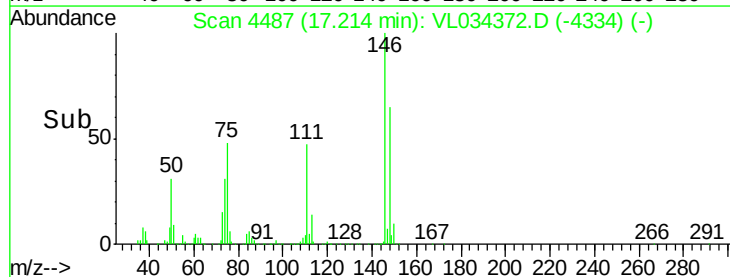
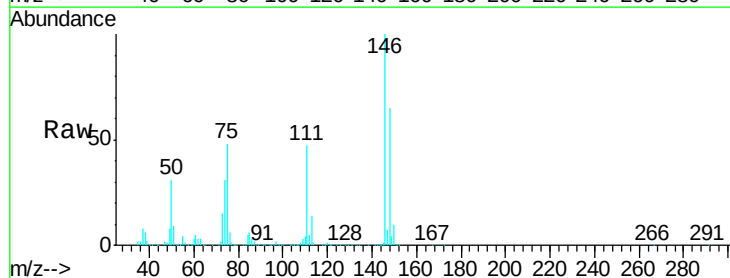
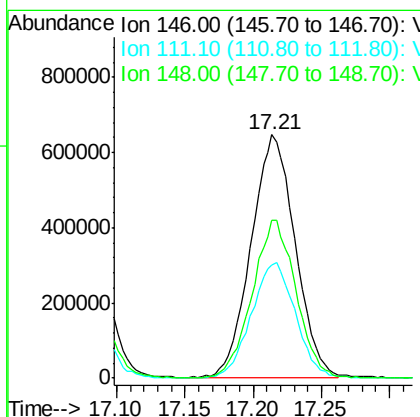
RT: 17.21 min Scan# 4487

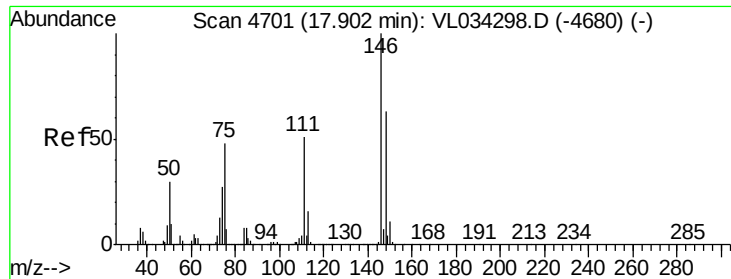
Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Tgt Ion:	146	Resp:	1442622
Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.9	71.7
148	64.9	33.1	99.2





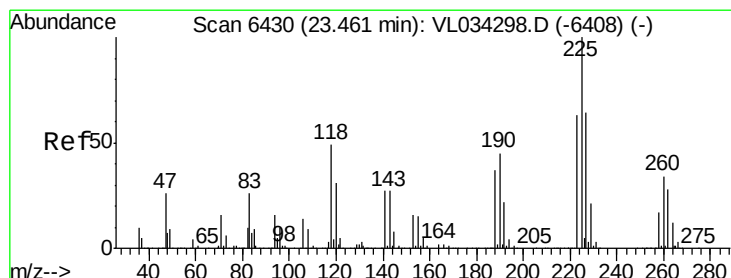
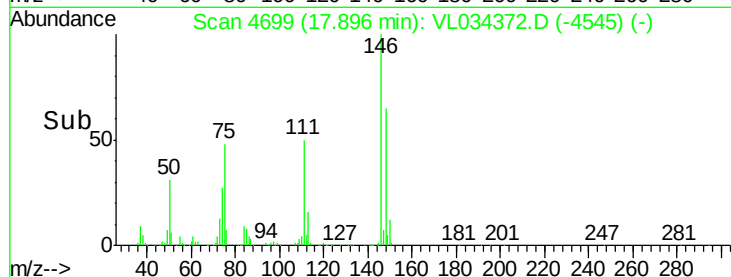
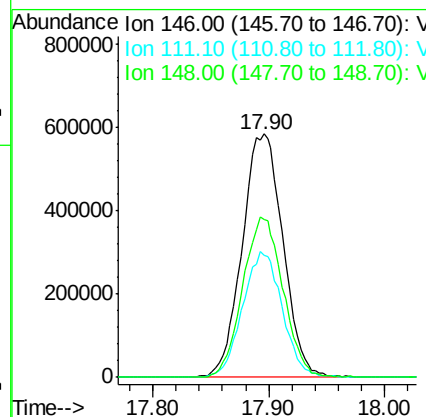
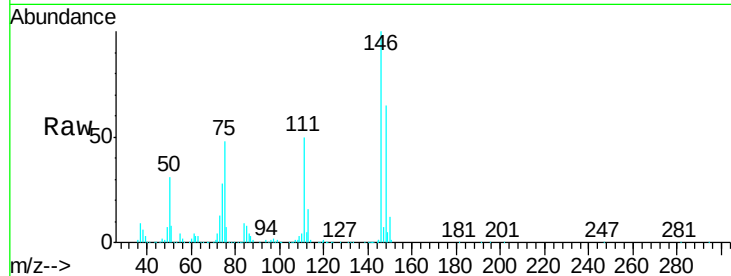
#77
 1,2-Dichlorobenzene
 Concen: 8.286 ppbv
 RT: 17.90 min Scan# 4699
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1430027
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.1 75.3
 148 65.1 32.3 96.8

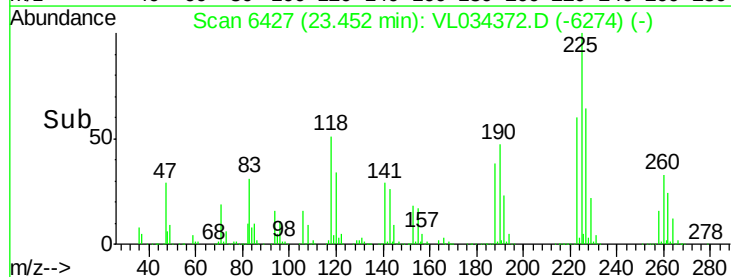
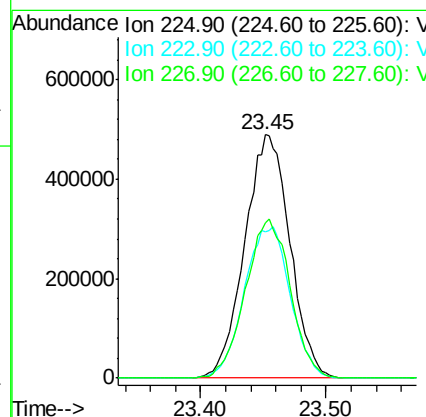
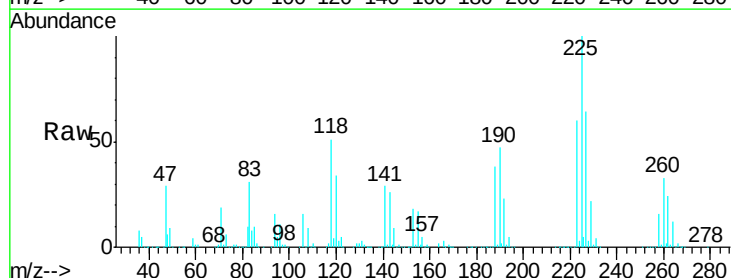
Manual Integrations
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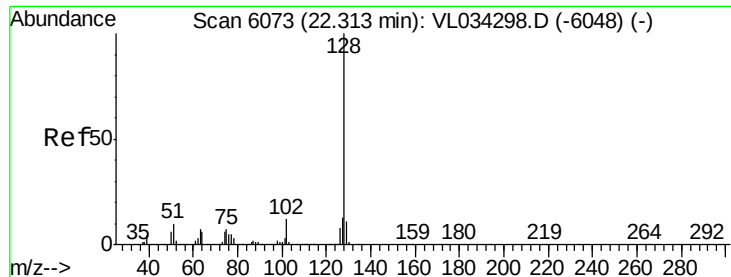
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.526 ppbv
 RT: 23.45 min Scan# 6427
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Tgt Ion:225 Resp: 1217131
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.8 76.2
 227 65.2 51.5 77.3





#79

Naphthalene

Concen: 10.549 ppbv

RT: 22.30 min Scan# 6068

Delta R.T. -0.02 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Instrument :

MSVOA_L

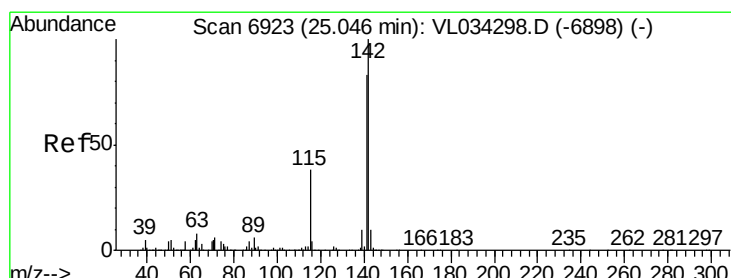
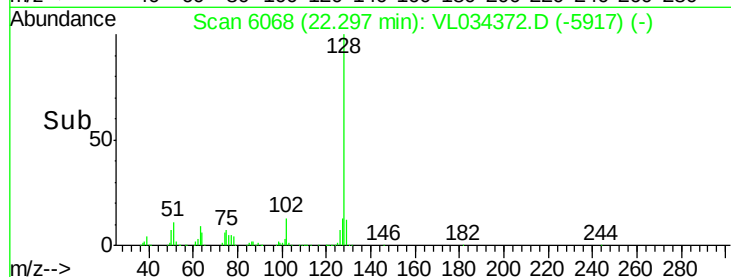
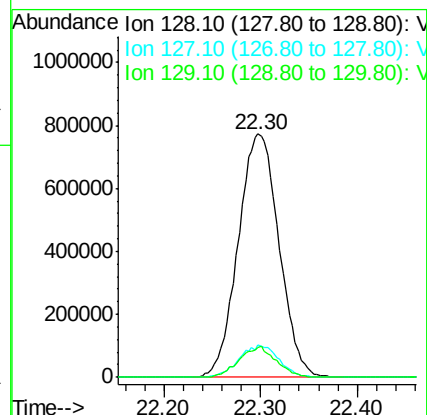
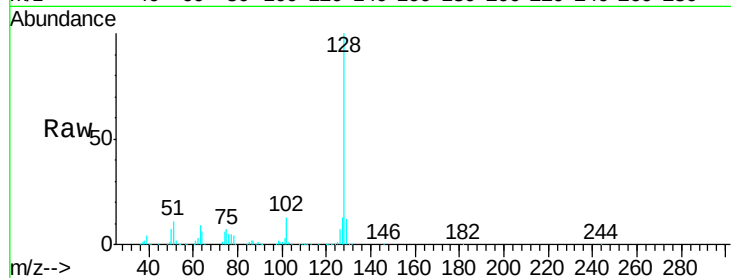
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	128	Resp:	2259364
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	12.1	8.9	13.3

Manual Integrations
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MMDadoda
10/31/2019 3:36:52 PM



#80

Naphthalene, 2-methyl-

Concen: 11.008 ppbv

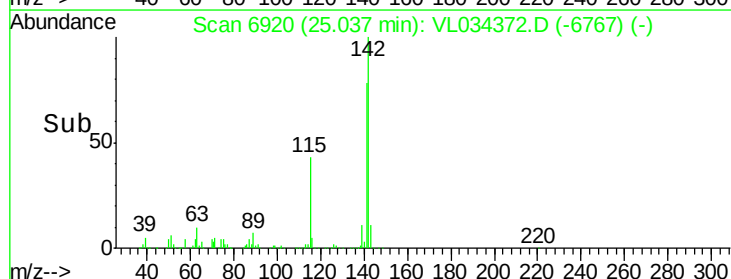
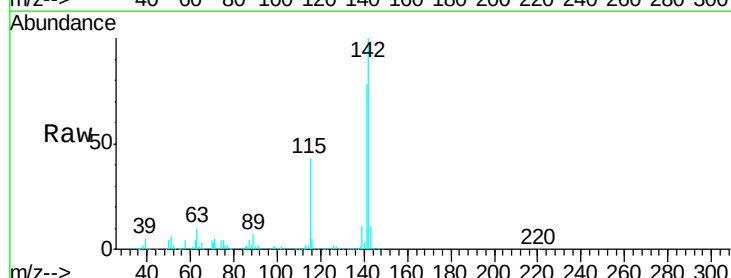
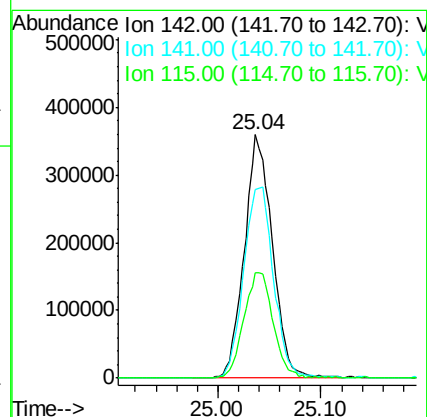
RT: 25.04 min Scan# 6920

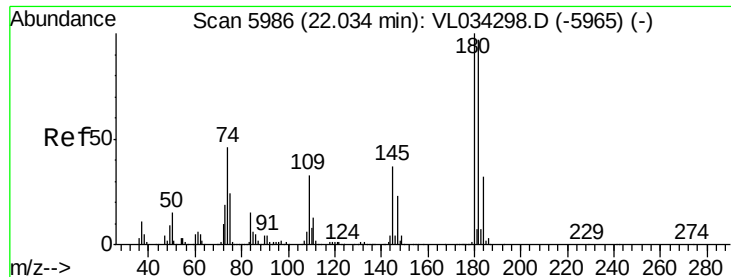
Delta R.T. -0.01 min

Lab File: VL034372.D

Acq: 25 Oct 2019 20:21

Tgt Ion:	142	Resp:	681481
Ion	Ratio	Lower	Upper
142	100		
141	84.0	65.7	98.5
115	45.5	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.175 ppbv m
 RT: 22.02 min Scan# 5983
 Delta R.T. -0.01 min
 Lab File: VL034372.D
 Acq: 25 Oct 2019 20:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1283375
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.8 116.8#
 184 30.8 25.4 38.2

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:36:52 PM

