

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
 Data File : VL034359.D
 Acq On : 25 Oct 2019 10:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 2:12:44 AM

Quant Time: Oct 25 23:49:30 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	5.68	49	900332	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1928239	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1958807m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1634832	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1605192	10.342	ppbv	99
3) Chlorodifluoromethane	2.96	51	953390	9.035	ppbv	100
4) Chloromethane	3.12	50	585349	9.377	ppbv	98
5) Vinyl Chloride	3.23	62	545149	9.159	ppbv	99
6) Bromomethane	3.45	94	286672	9.836	ppbv	97
7) Chloroethane	3.54	64	204175	9.747	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1267653	9.425	ppbv	98
9) Propene	2.98	41	468143	10.007	ppbv	99
10) Heptane	8.16	43	1198789	9.985	ppbv	99
11) Trichlorofluoromethane	3.94	101	1385858	9.404	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	928979	9.622	ppbv	98
13) Ethanol	3.59	45	78765	7.520	ppbv	98
14) Bromoethene	3.73	108	401020	10.550	ppbv	98
15) Acetone	3.84	43	1026872	7.974	ppbv	100
16) 1,3-Butadiene	3.31	39	515981	9.861	ppbv	100
17) tert-Butyl alcohol	4.29	59	746924	9.088	ppbv	100
18) 1,1-Dichloroethene	4.28	96	429383	10.158	ppbv	95
19) Isopropyl Alcohol	3.96	45	586589	8.165	ppbv	100
20) Methylene Chloride	4.34	84	380337	8.170	ppbv	94
21) Allyl Chloride	4.41	41	721033	10.128	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	438378	10.397	ppbv	99
23) Vinyl Acetate	5.08	43	1559814	9.699	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1129613	9.464	ppbv	99
25) Ethyl Acetate	5.69	43	2036507	9.367	ppbv	99
26) Hexane	5.70	57	894776	9.656	ppbv	97
27) Carbon Disulfide	4.55	76	1071913	11.142	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1532138	10.925	ppbv	98
29) Chloroform	5.77	83	1417806	9.672	ppbv	96
30) Cyclohexane	7.16	84	730600	10.720	ppbv	94
31) cis-1,2-Dichloroethene	5.56	61	964099	10.251	ppbv	99
32) 1,1,1-Trichloroethane	6.54	97	1386095	9.724	ppbv	98
34) 2-Butanone	5.25	43	1374300	8.720	ppbv	98
35) Carbon Tetrachloride	7.05	117	1374695	8.185	ppbv	98
36) Benzene	6.92	78	1750074	9.459	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1162885	8.434	ppbv #	97
38) Trichloroethene	7.87	130	666015	8.971	ppbv	97
39) 1,2-Dichloropropane	7.65	63	727702	9.135	ppbv	95
40) 1,4-Dioxane	7.87	88	234431	8.374	ppbv	71
41) Tetrahydrofuran	6.06	42	809324	9.253	ppbv	96
42) Bromodichloromethane	7.83	83	1551688	9.188	ppbv	99
43) Methyl Methacrylate	8.05	69	735361	9.610	ppbv	94

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
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Instrument :
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 ClientSampleId :
 VSTDCCC010

Manual Integrations
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MMDadoda
 10/31/2019 2:12:44 AM

Quant Time: Oct 25 23:49:30 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	7.90	57	3016764	8.810	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	978428	10.495	ppbv	98
46) cis-1,3-Dichloropropene	8.75	75	1109161	10.356	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	721623	8.943	ppbv	97
48) Dibromochloromethane	10.36	129	1262363	9.537	ppbv	98
49) Bromoform	13.11	173	1109134	9.456	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2044136	9.060	ppbv	99
51) 2-Hexanone	10.18	43	1720190	9.300	ppbv #	98
52) Tetrachloroethene	11.28	164	659688	9.097	ppbv	96
53) Toluene	9.85	91	2024263	9.915	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1099379	9.192	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	817252	9.053	ppbv #	59
57) Chlorobenzene	12.20	112	1498026	9.167	ppbv	98
58) Ethyl Benzene	12.77	91	2771471	10.121	ppbv	97
59) m/p-Xylene	13.05	91	4527866m	19.085	ppbv	
60) o-Xylene	13.75	91	2246656	9.510	ppbv	98
61) Styrene	13.59	104	1705317	10.253	ppbv	99
62) Isopropylbenzene	14.73	105	2954311	9.473	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1520968	8.012	ppbv	100
64) n-propylbenzene	15.63	120	766066	9.572	ppbv	98
65) tert-Butylbenzene	16.81	119	2571021	9.302	ppbv	99
66) Benzyl Chloride	17.06	91	1017674	9.322	ppbv	100
67) sec-Butylbenzene	17.37	105	3571713	9.183	ppbv	98
69) p-Isopropyltoluene	17.73	119	2956420	9.323	ppbv	99
70) n-Butylbenzene	18.62	91	3166427	9.177	ppbv	98
71) 2-Chlorotoluene	15.52	91	2322443	9.604	ppbv	99
72) 4-Ethyltoluene	15.91	105	2594508	9.770	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2464625	9.367	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2499947	9.111	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1425565	8.653	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1426682	8.866	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1390148m	8.607	ppbv	
78) Hexachloro-1,3-Butadiene	23.45	225	1358068	10.165	ppbv	99
79) Naphthalene	22.29	128	2487772	12.412	ppbv	99
80) Naphthalene,2-methyl-	25.04	142	1240758	21.415	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1452424	11.094	ppbv	98

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

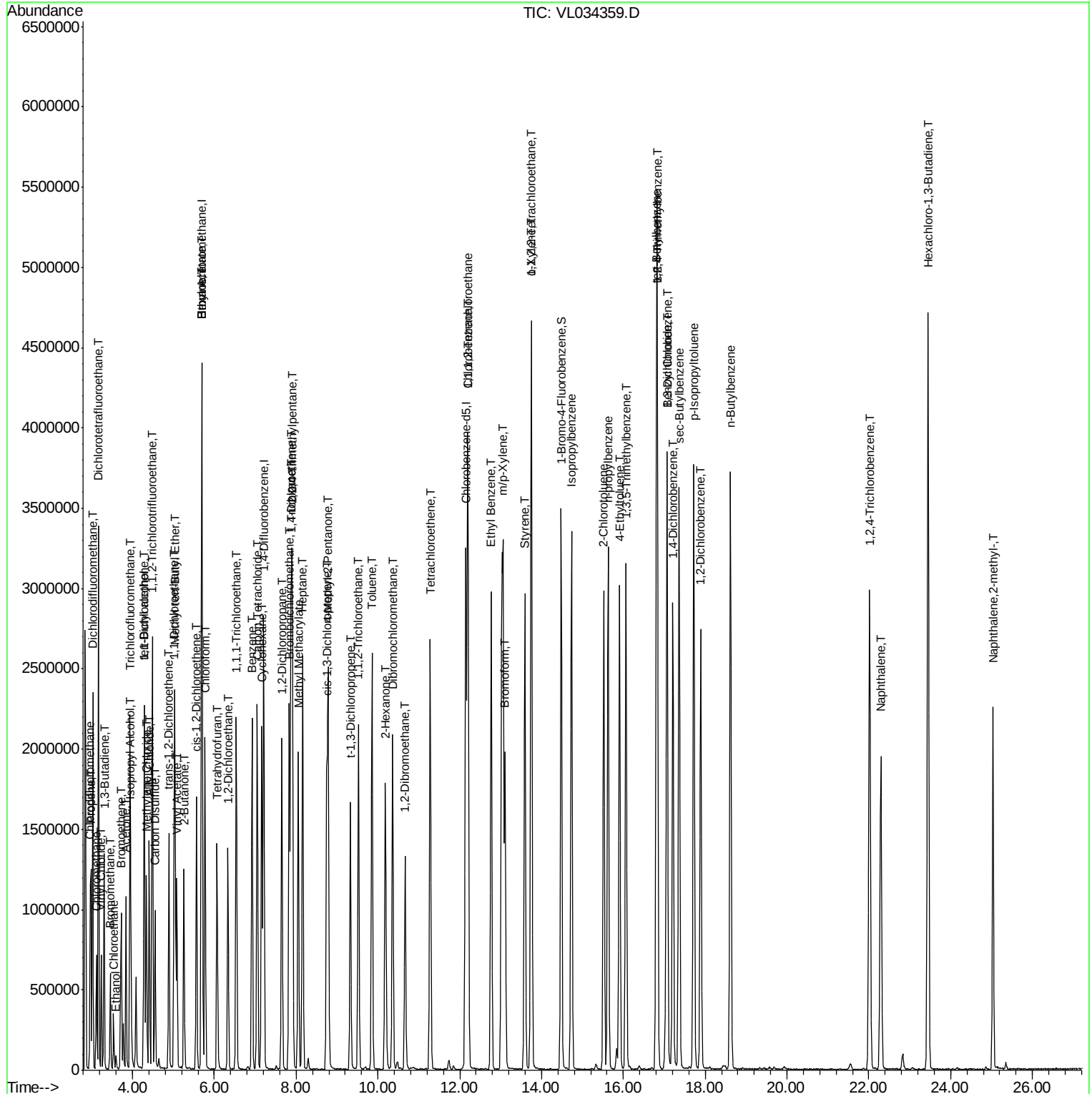
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102519\
Data File : VL034359.D
Acq On : 25 Oct 2019 10:14
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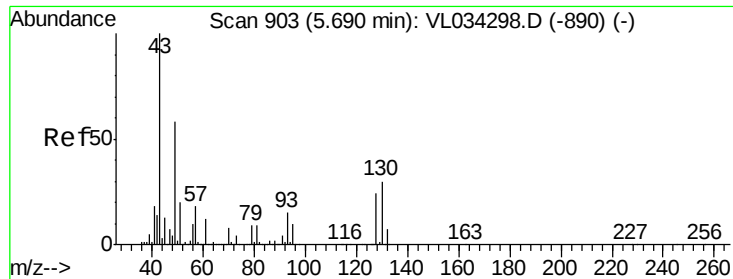
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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MMDadoda
10/31/2019 2:12:44 AM

Quant Time: Oct 25 23:49:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

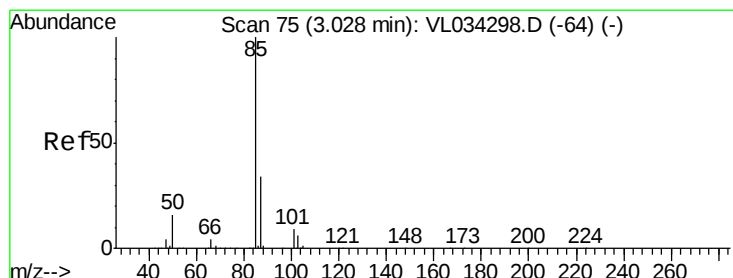
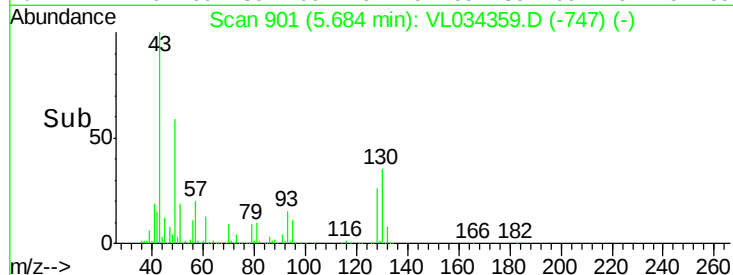
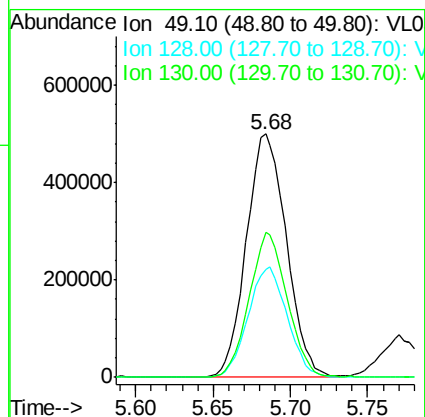
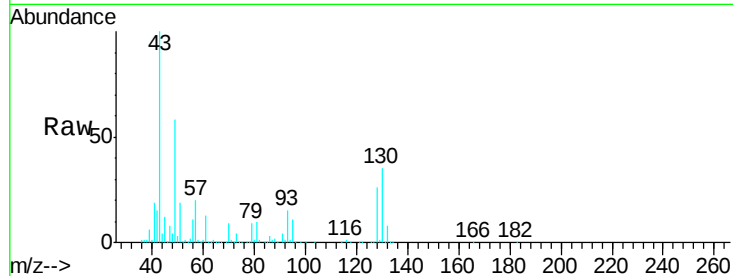
ClientSampleId :

VSTDCCC010

Tgt Ion:	49	Resp:	900332
Ion	Ratio	Lower	Upper
49	100		
128	44.6	20.6	61.8
130	56.8	26.2	78.5

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#2

Dichlorodifluoromethane

Concen: 10.342 ppbv

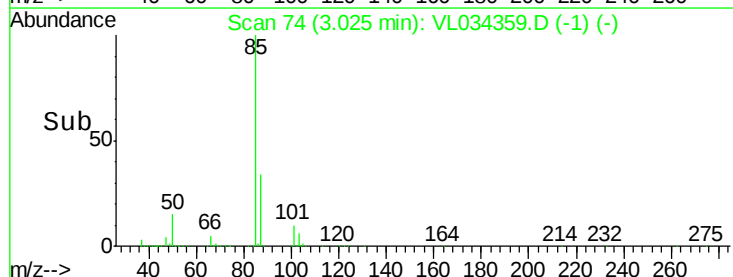
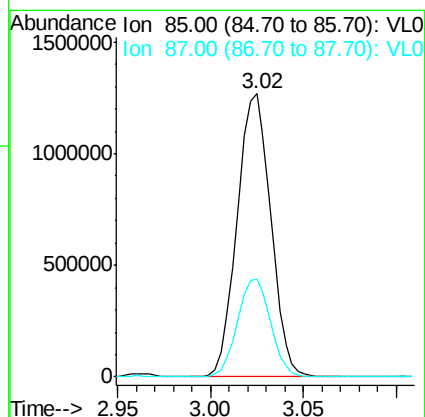
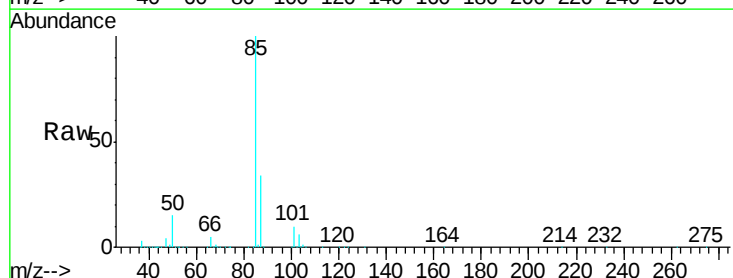
RT: 3.02 min Scan# 74

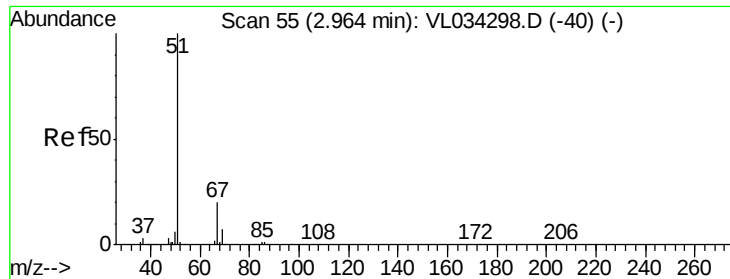
Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:	85	Resp:	1605192
Ion	Ratio	Lower	Upper
85	100		
87	34.4	27.0	40.6





#3

Chlorodifluoromethane

Concen: 9.035 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 953390

Ion Ratio Lower Upper

51 100

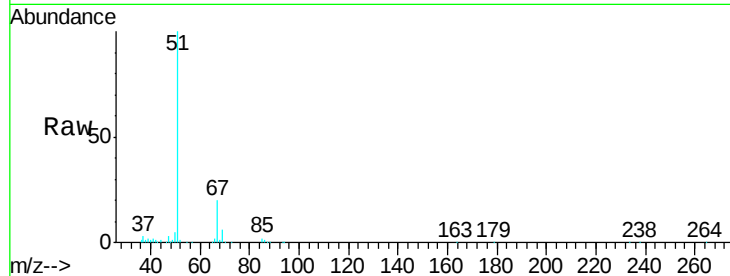
67 20.0 15.8 23.8

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

800000

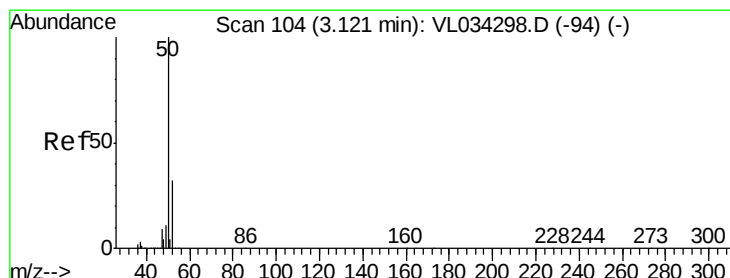
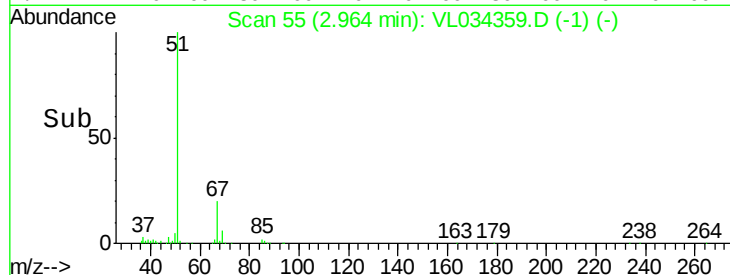
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.377 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034359.D

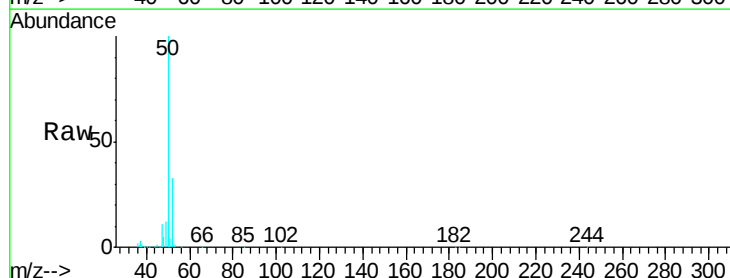
Acq: 25 Oct 2019 10:14

Tgt Ion: 50 Resp: 585349

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

400000

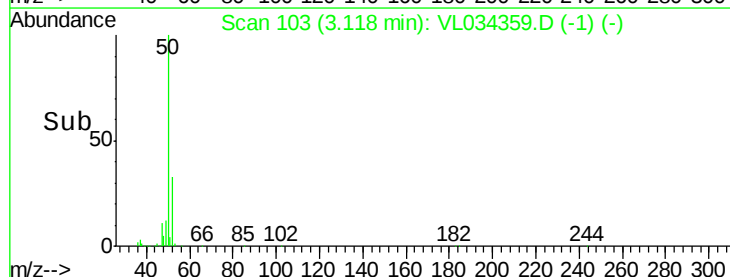
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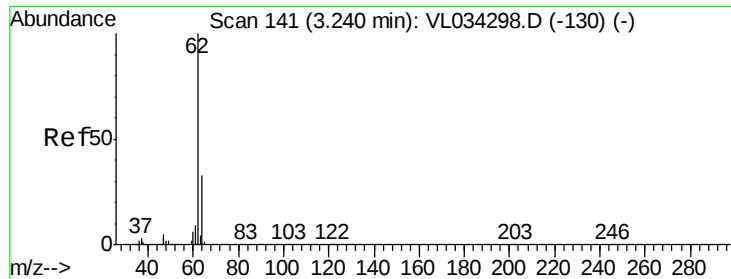
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.159 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 545149

Ion Ratio Lower Upper

62 100

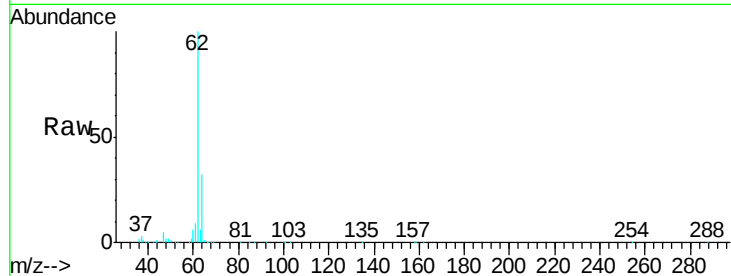
64 32.0 26.0 39.0

Manual Integrations

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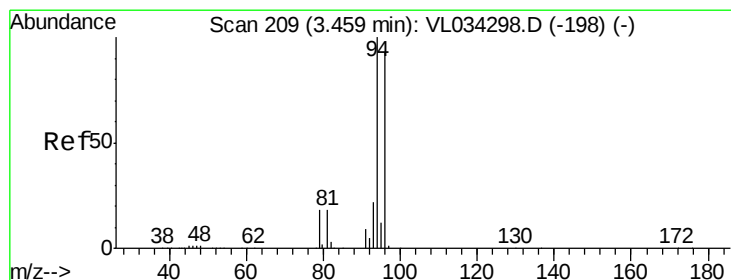
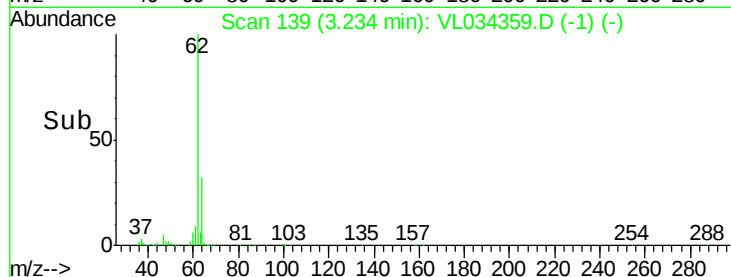
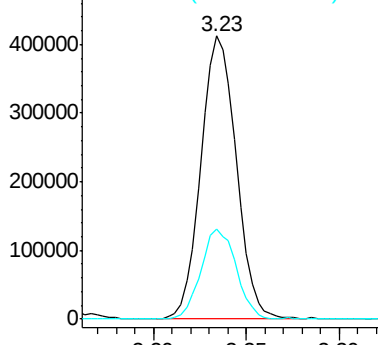
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.836 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL034359.D

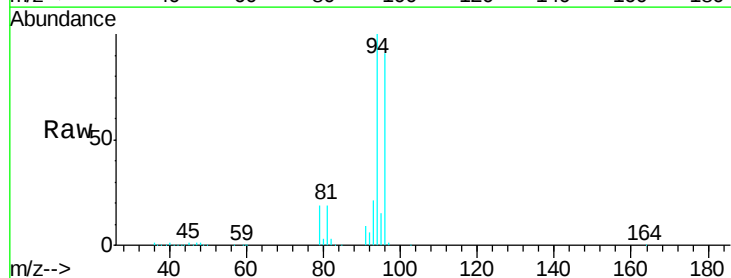
Acq: 25 Oct 2019 10:14

Tgt Ion: 94 Resp: 286672

Ion Ratio Lower Upper

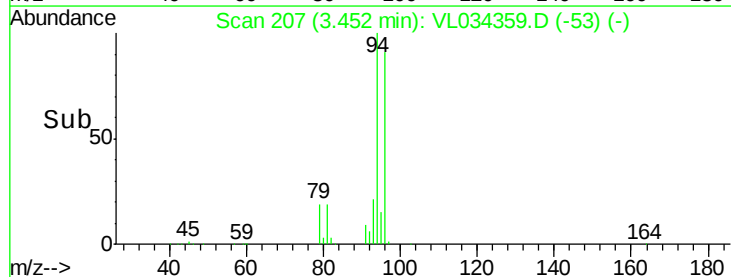
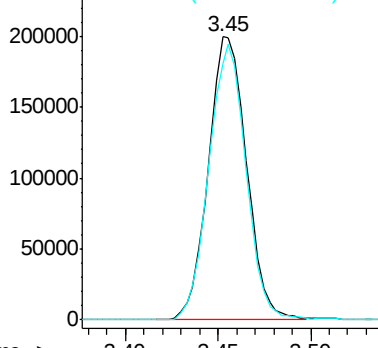
94 100

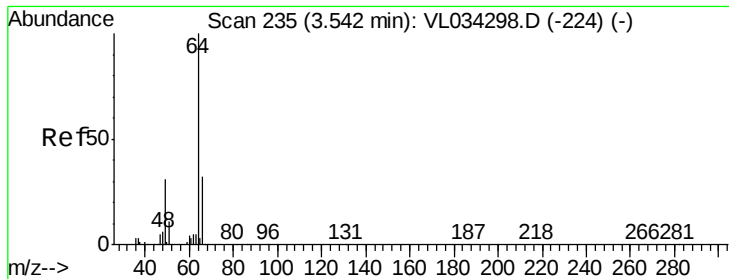
96 90.5 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.747 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 204175

Ion Ratio Lower Upper

64 100

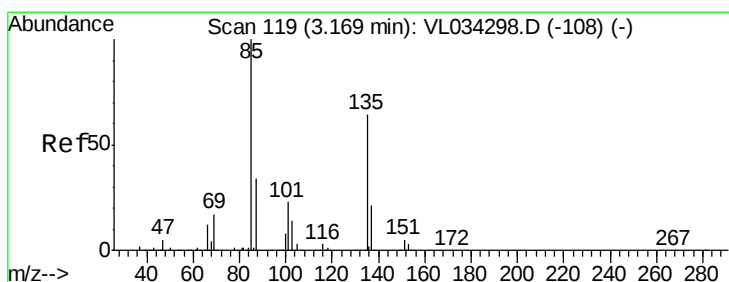
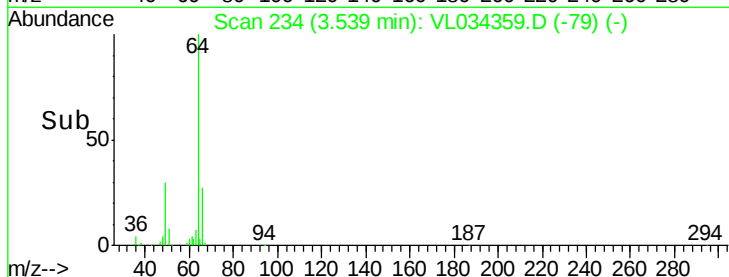
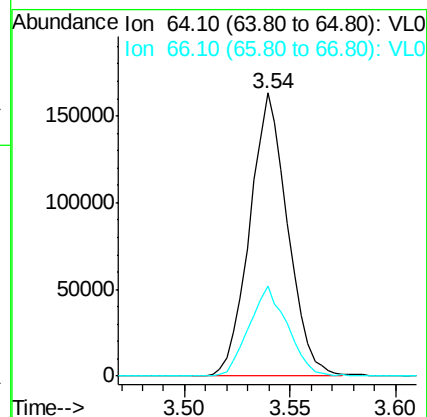
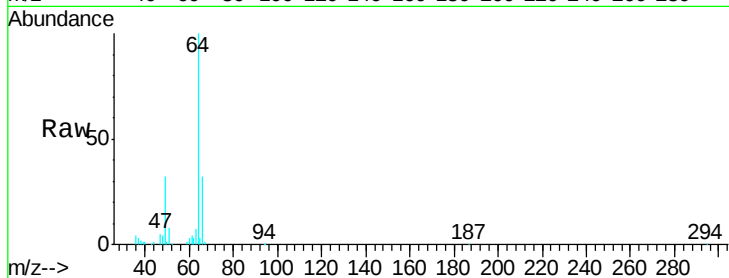
66 32.0 25.4 38.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.425 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034359.D

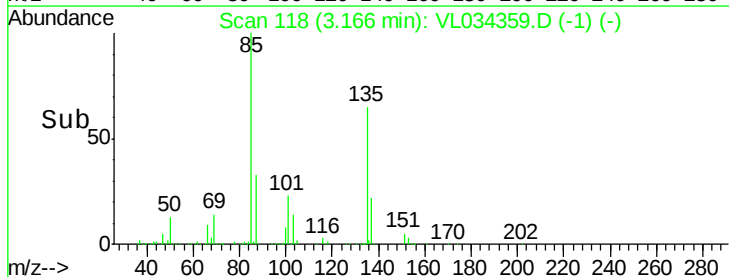
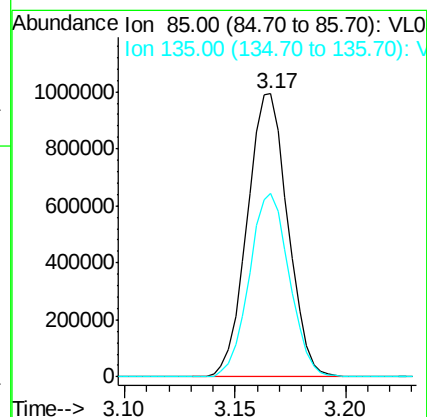
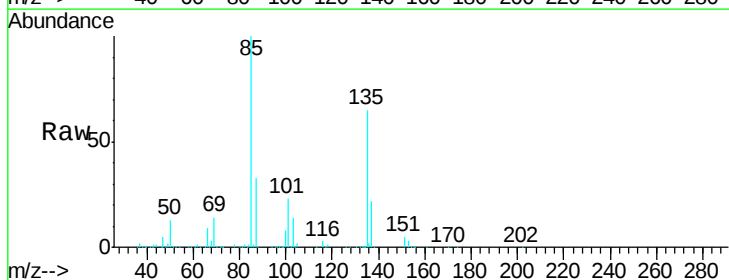
Acq: 25 Oct 2019 10:14

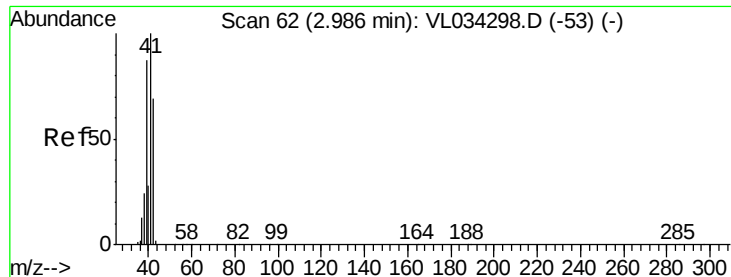
Tgt Ion: 85 Resp: 1267653

Ion Ratio Lower Upper

85 100

135 64.3 50.2 75.2





#9

Propene

Concen: 10.007 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 468143

Ion Ratio Lower Upper

41 100

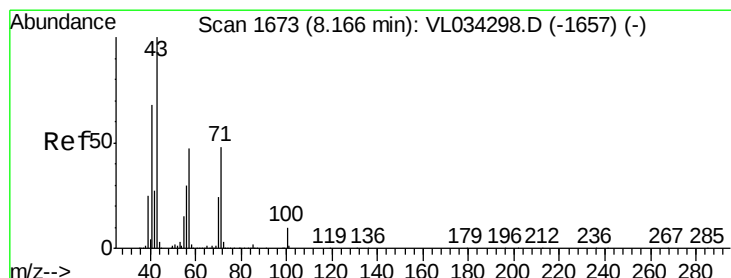
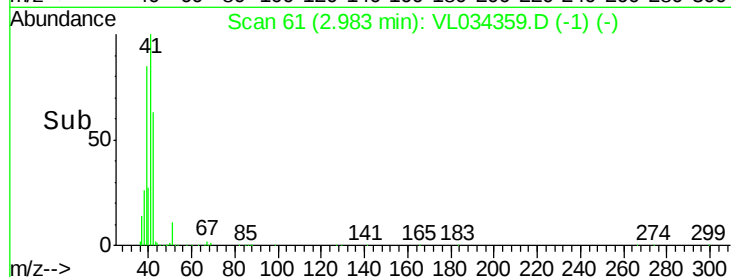
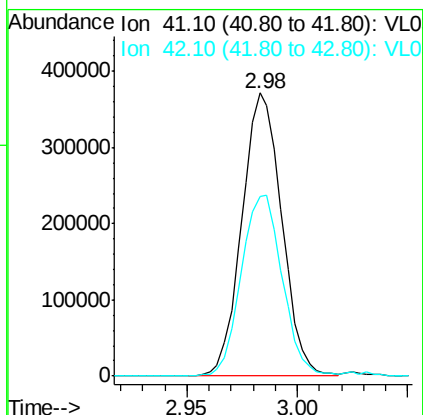
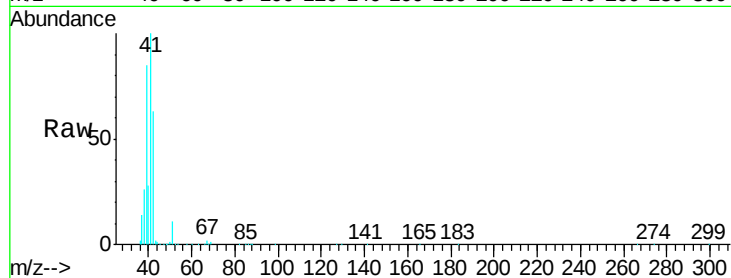
42 66.9 53.9 80.9

Manual Integrations

APPROVED

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10/31/2019 2:12:44 AM



#10

Heptane

Concen: 9.985 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VL034359.D

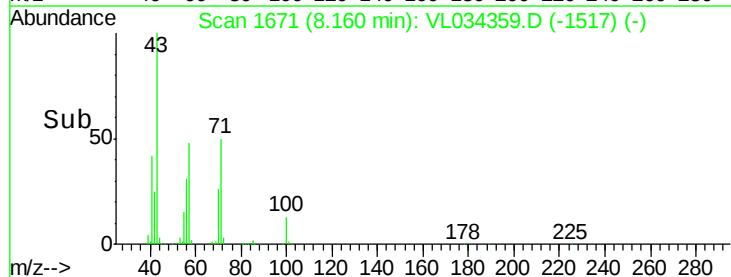
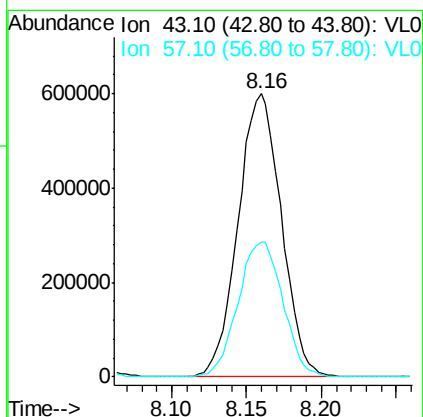
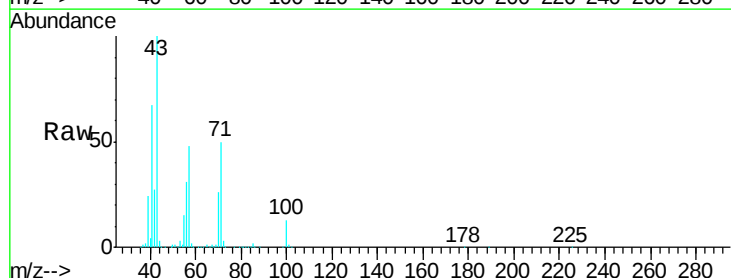
Acq: 25 Oct 2019 10:14

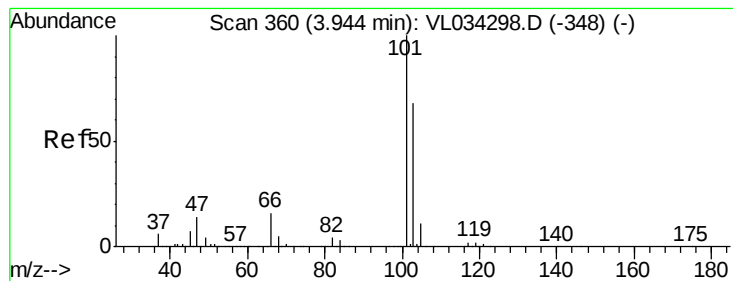
Tgt Ion: 43 Resp: 1198789

Ion Ratio Lower Upper

43 100

57 49.9 39.5 59.3





#11

Trichlorofluoromethane

Concen: 9.404 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:101 Resp: 1385858

Ion Ratio Lower Upper

101 100

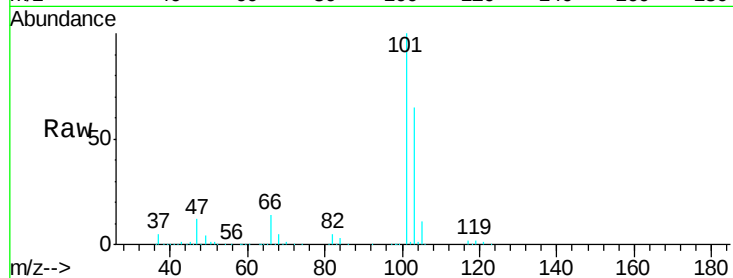
103 64.9 54.5 81.7

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.94

800000

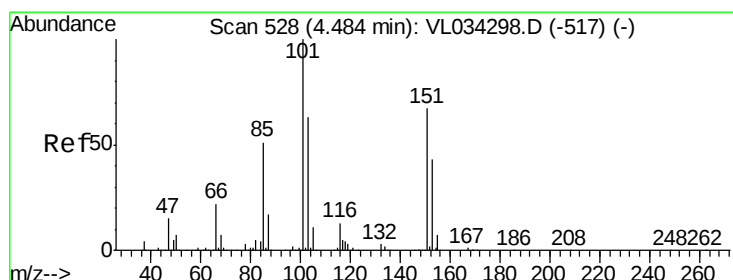
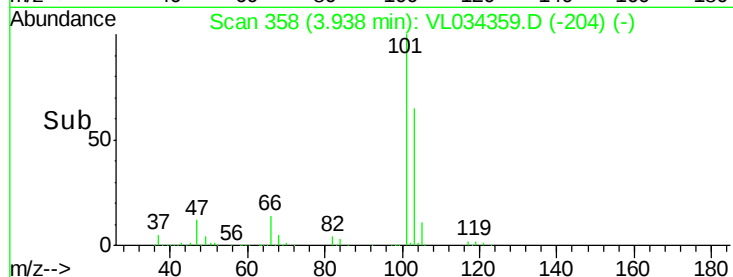
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.622 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL034359.D

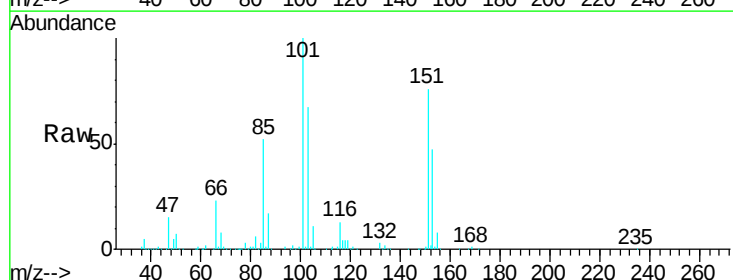
Acq: 25 Oct 2019 10:14

Tgt Ion:101 Resp: 928979

Ion Ratio Lower Upper

101 100

151 73.6 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.48

600000

500000

400000

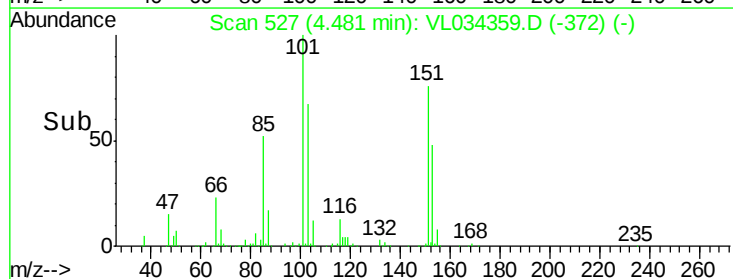
300000

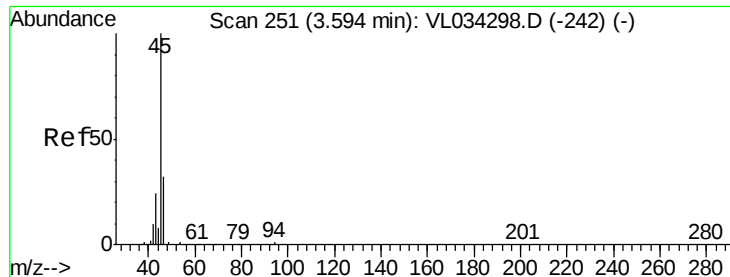
200000

100000

0

Time-->





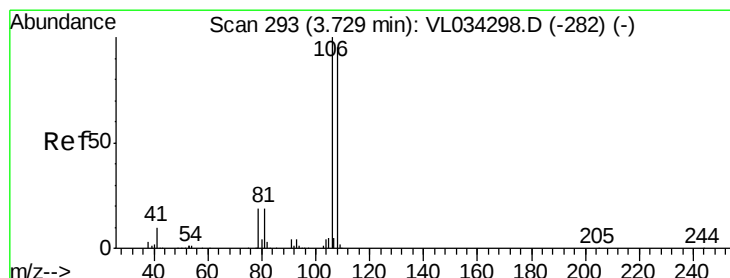
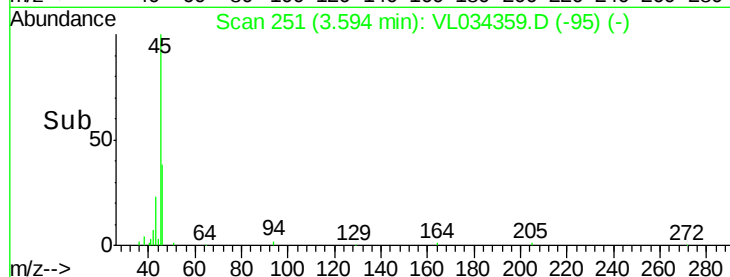
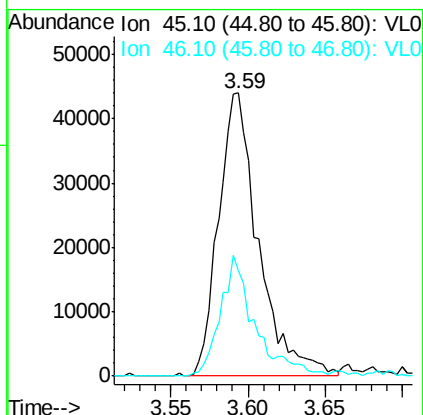
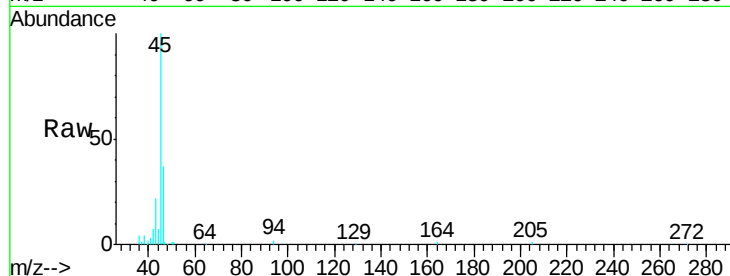
#13
Ethanol
Concen: 7.520 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 78765
Ion Ratio Lower Upper
45 100
46 38.5 15.8 63.2

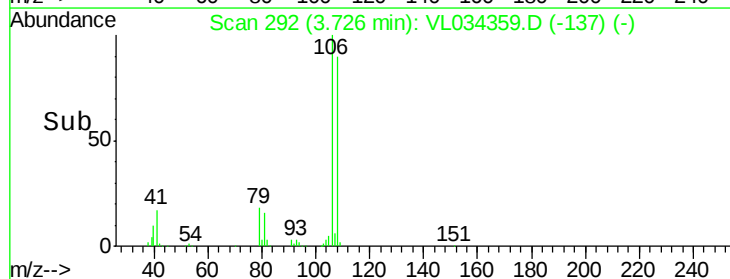
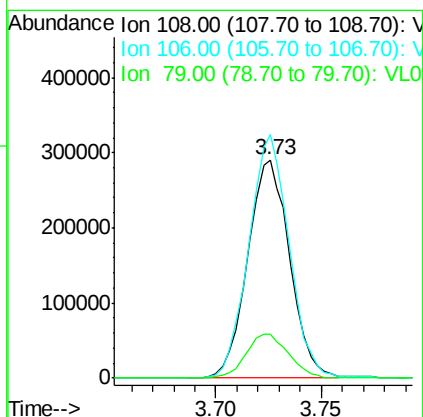
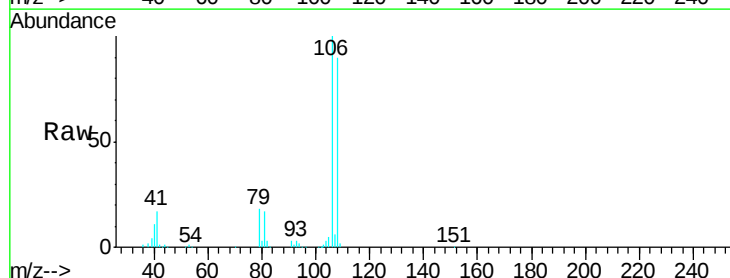
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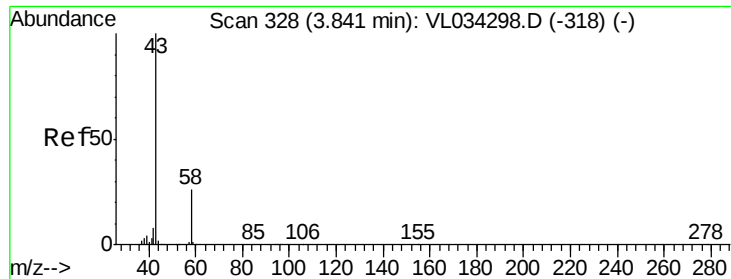
MMDadoda
10/31/2019 2:12:44 AM



#14
Bromoethene
Concen: 10.550 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 108 Resp: 401020
Ion Ratio Lower Upper
108 100
106 108.3 84.8 127.2
79 20.7 17.0 25.4





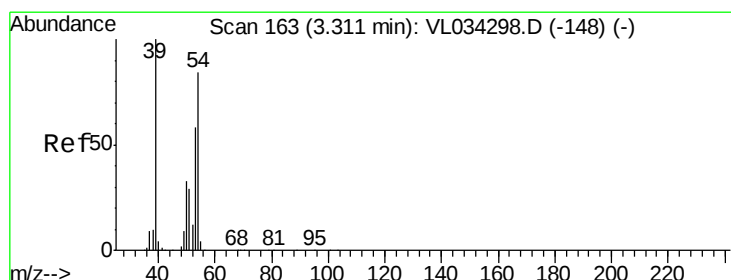
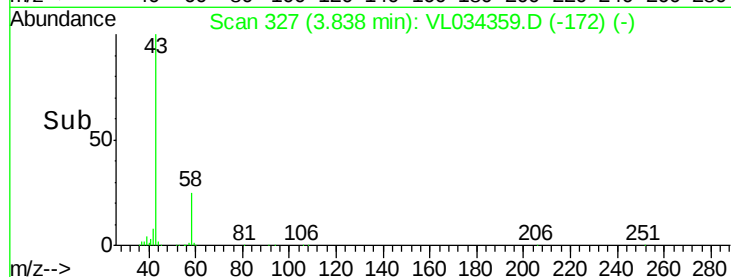
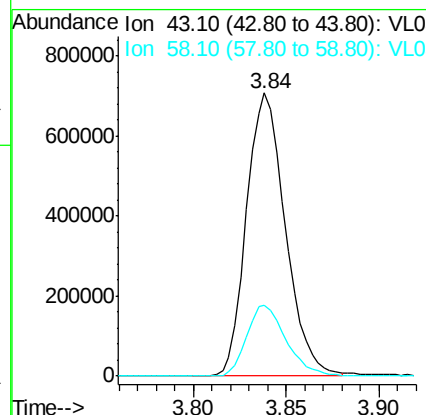
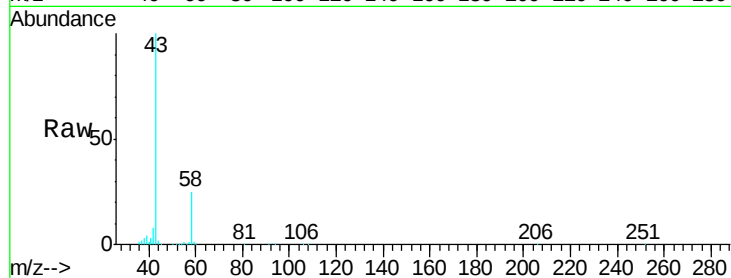
#15
Acetone
Concen: 7.974 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1026872
Ion Ratio Lower Upper
43 100
58 25.6 20.4 30.6

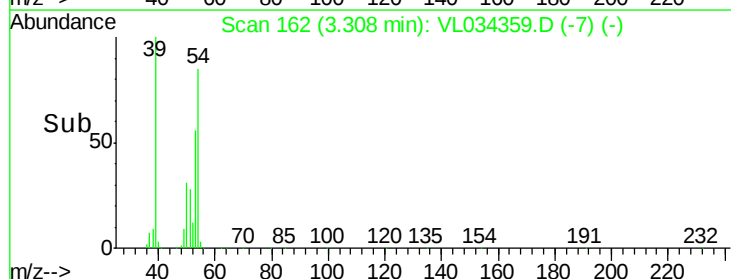
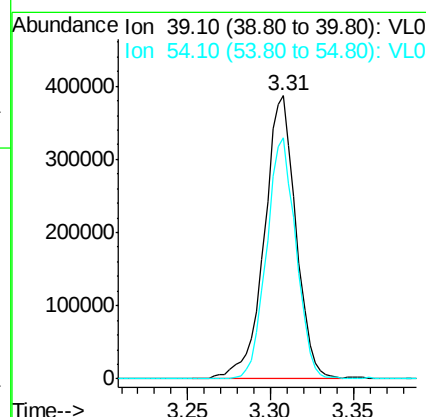
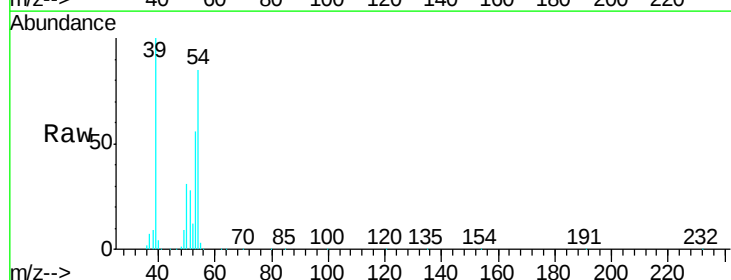
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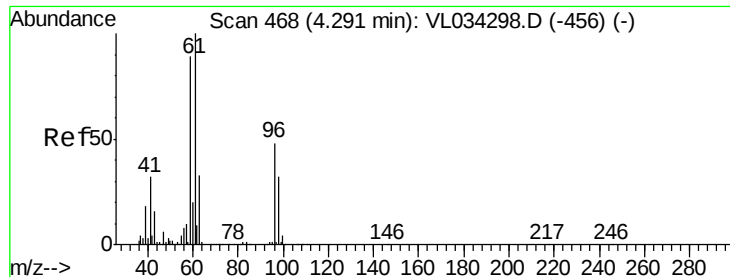
MMDadoda
10/31/2019 2:12:44 AM



#16
1,3-Butadiene
Concen: 9.861 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 39 Resp: 515981
Ion Ratio Lower Upper
39 100
54 79.6 63.9 95.9





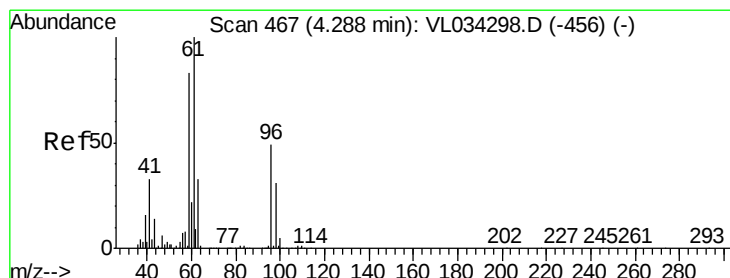
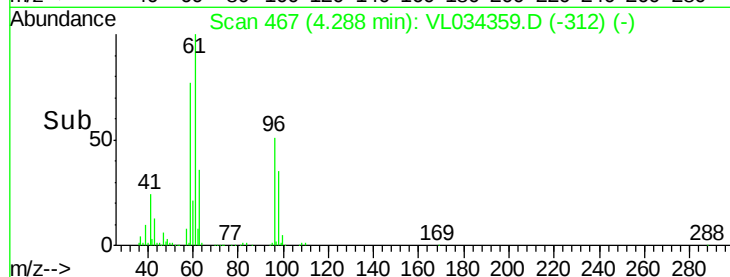
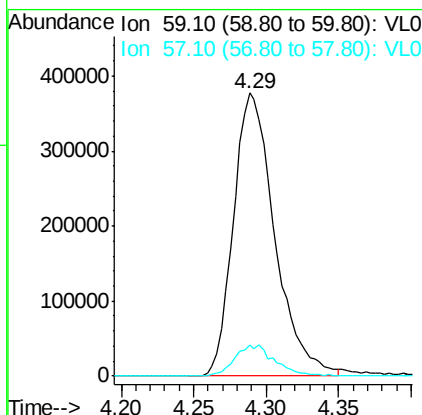
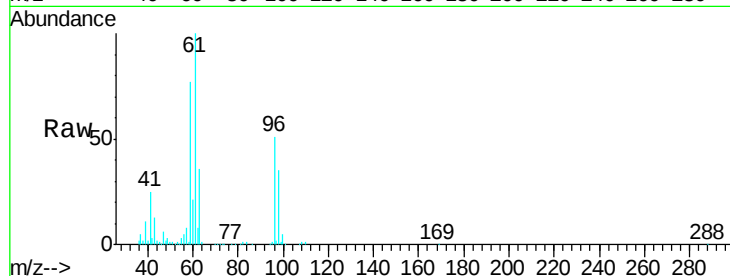
#17
 tert-Butyl alcohol
 Concen: 9.088 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 59 Resp: 746924
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.8 13.2

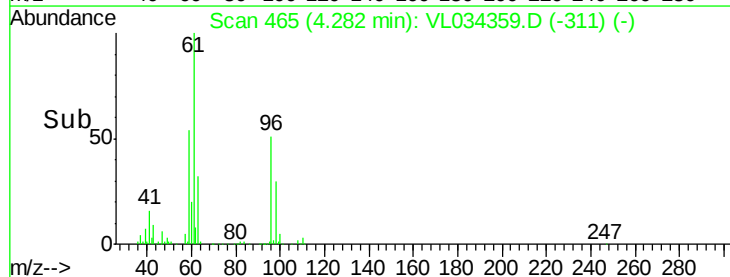
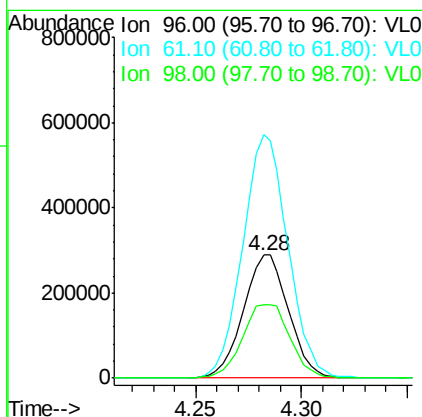
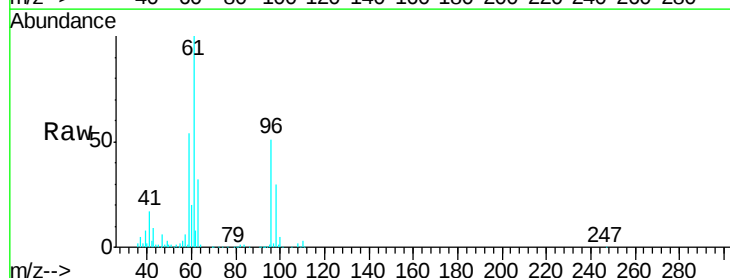
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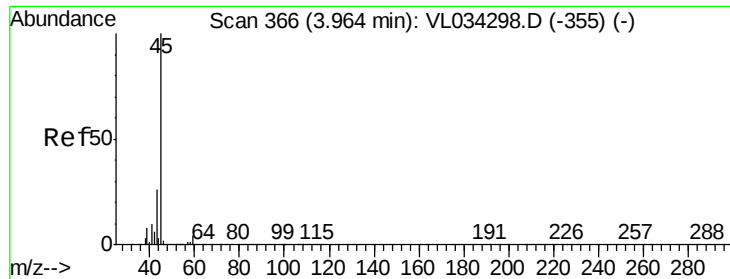
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.158 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 96 Resp: 429383
 Ion Ratio Lower Upper
 96 100
 61 197.6 164.5 246.7
 98 59.5 51.7 77.5





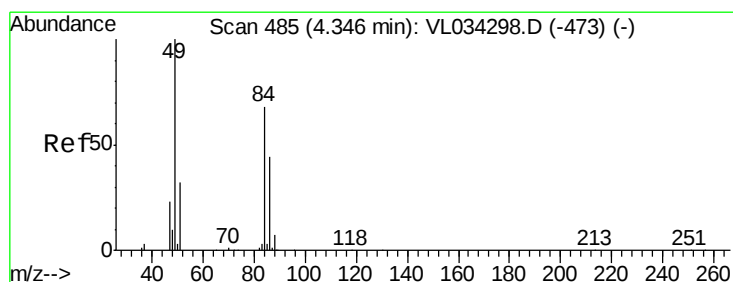
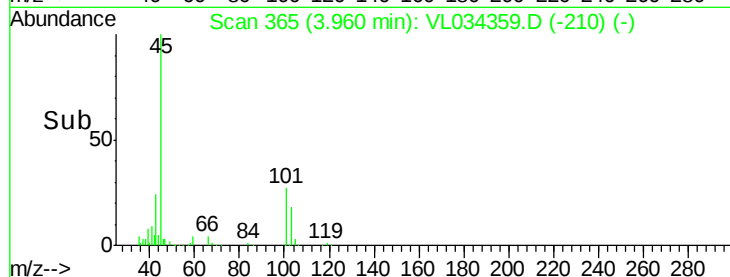
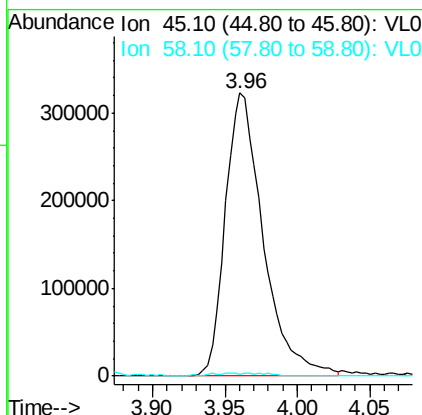
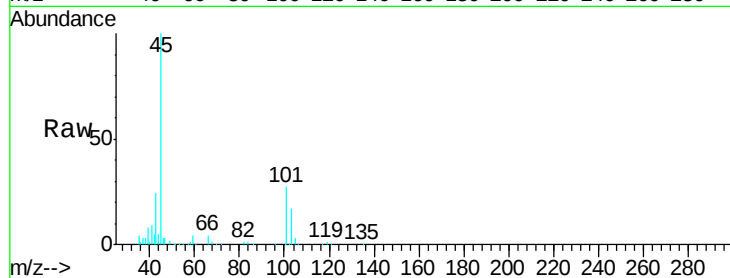
#19
Isopropyl Alcohol
Concen: 8.165 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.00 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

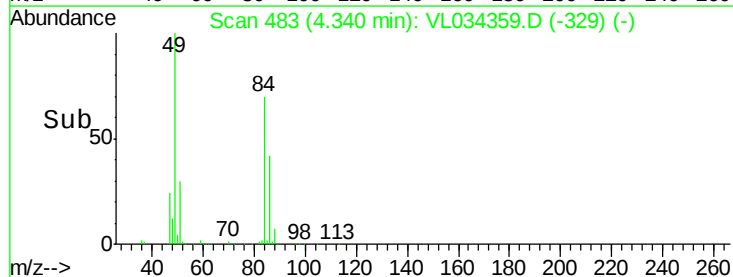
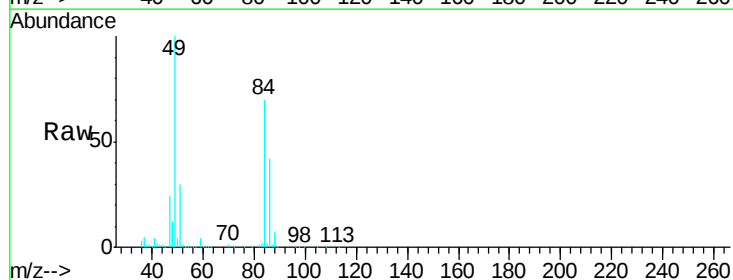
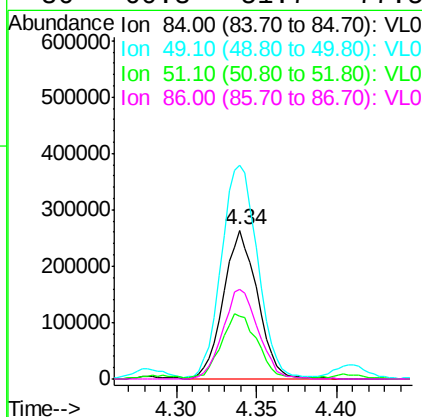
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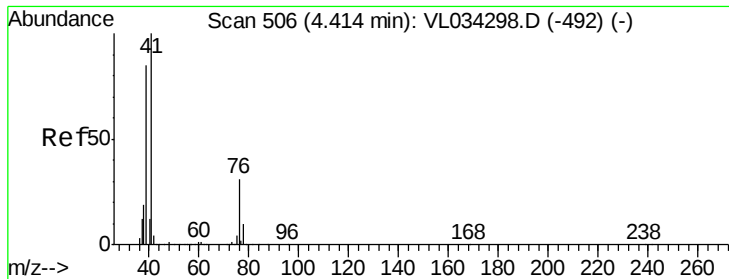
MMDadoda
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#20
Methylene Chloride
Concen: 8.170 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.7	118.5	177.7
51	41.2	38.8	58.2
86	60.3	51.7	77.5





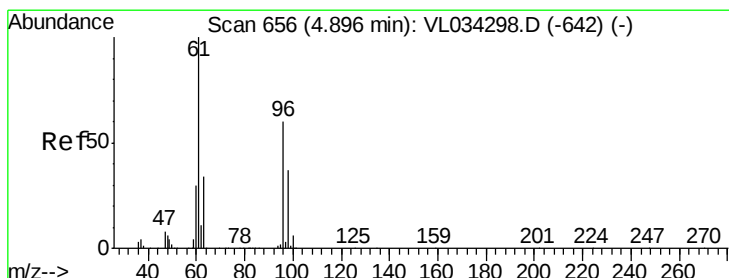
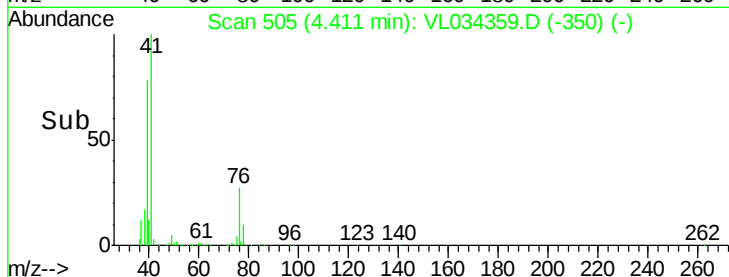
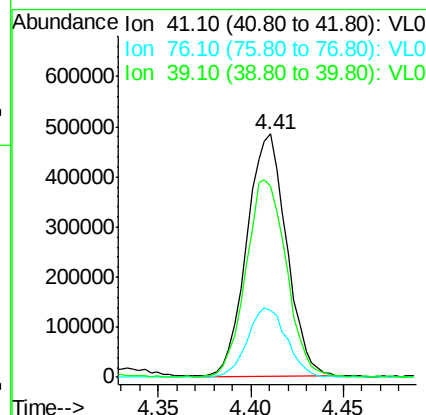
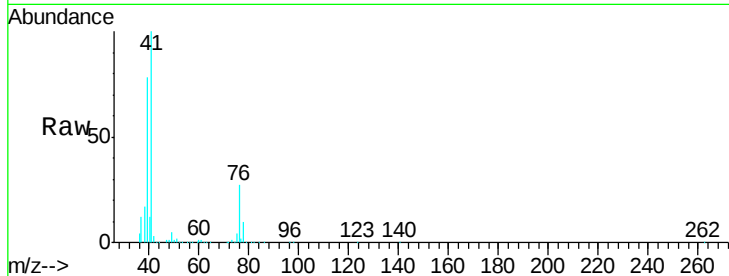
#21
 Allyl Chloride
 Concen: 10.128 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.8	34.2
39	83.8	66.0	99.0

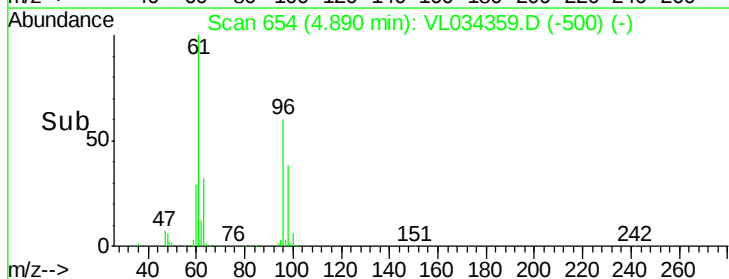
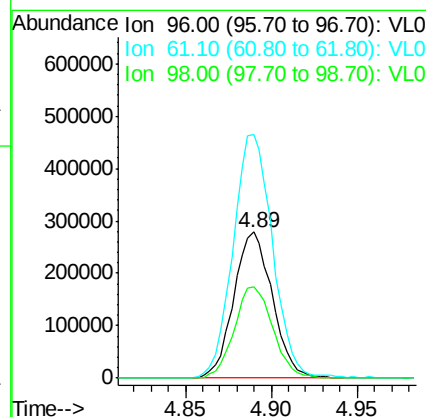
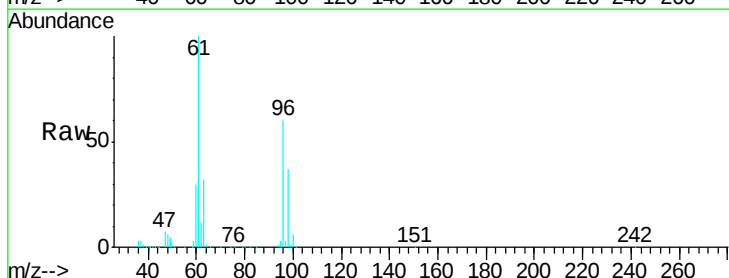
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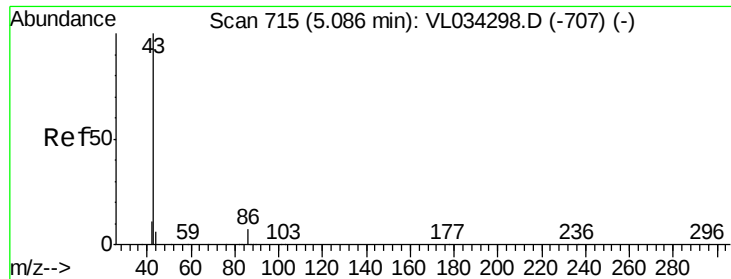
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#22
 trans-1,2-Dichloroethene
 Concen: 10.397 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	133.8	200.6
98	62.1	49.4	74.0





#23

Vinyl Acetate

Concen: 9.699 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

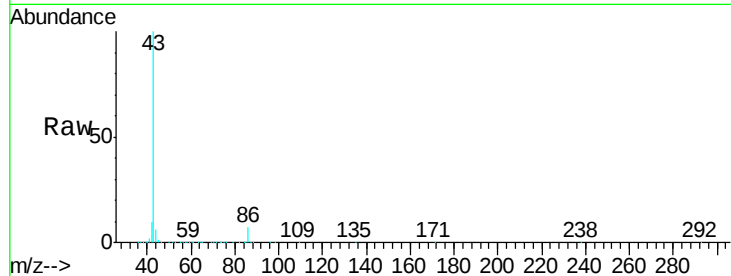
ClientSampleId :

VSTDCCC010

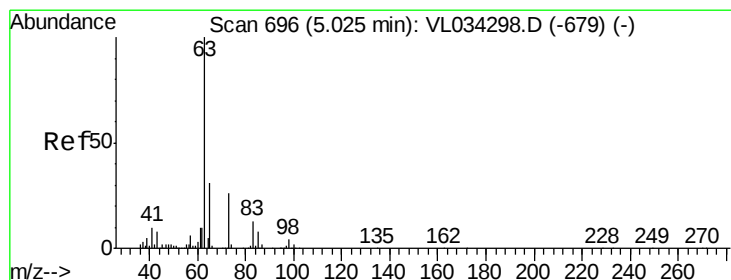
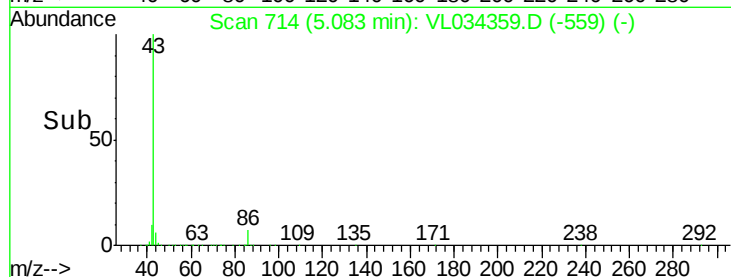
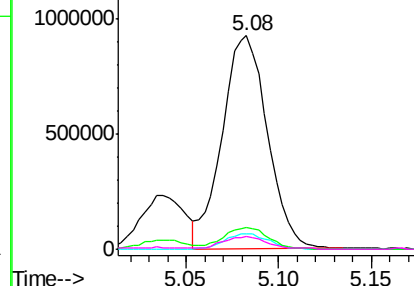
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.4#
42	9.9	8.6	13.0
44	5.8	4.8	7.2

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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: 9.464 ppbv

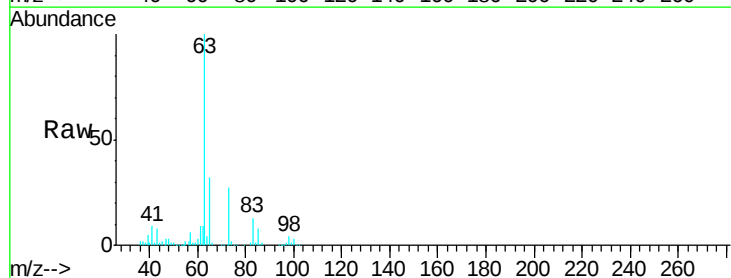
RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

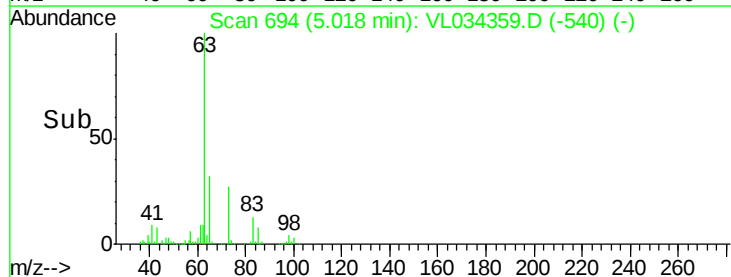
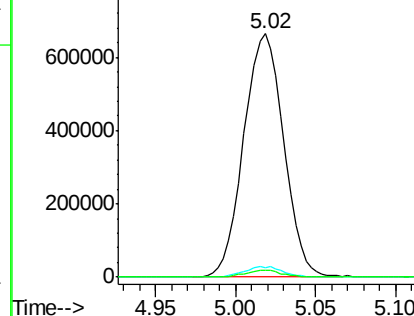
Lab File: VL034359.D

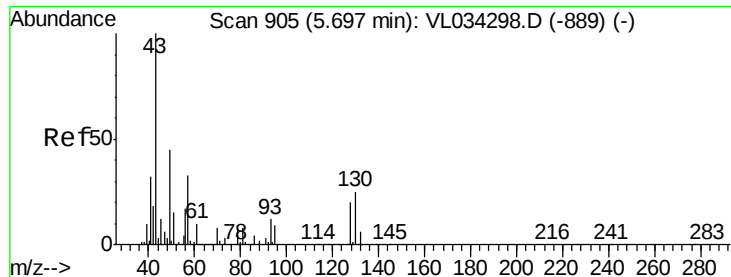
Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.9	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: 9.367 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2036507

Ion Ratio Lower Upper

43 100

45 10.7 8.3 12.5

61 9.3 7.7 11.5

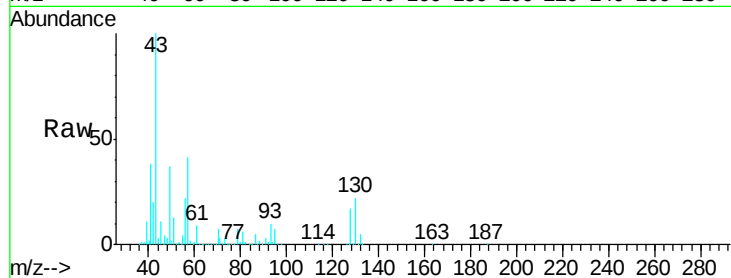
70 7.2 5.4 8.2

Manual Integrations

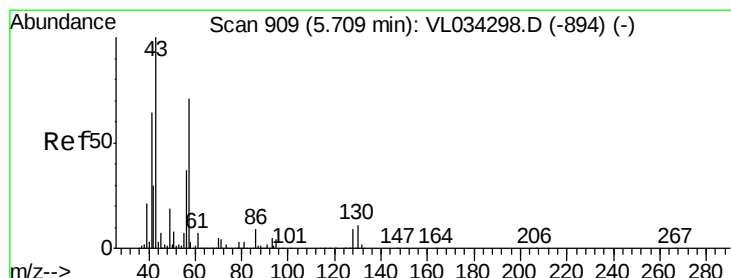
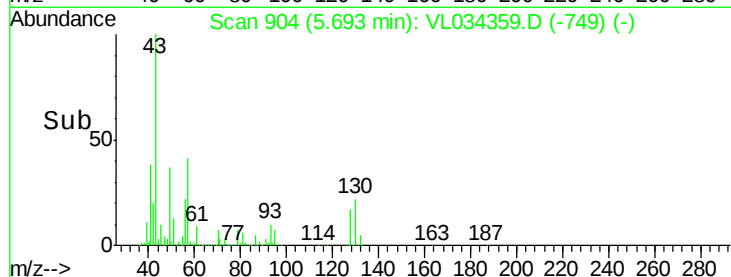
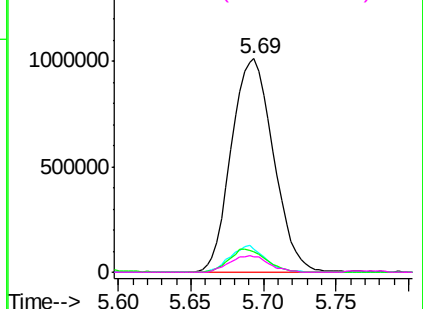
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.656 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion: 57 Resp: 894776

Ion Ratio Lower Upper

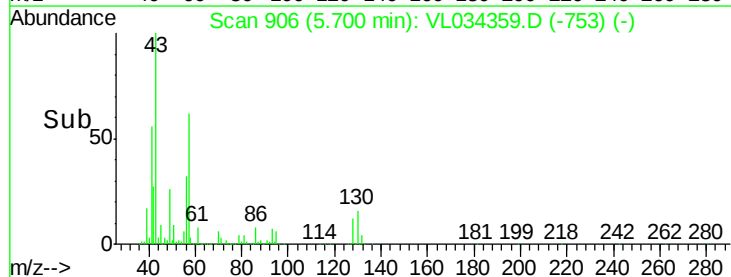
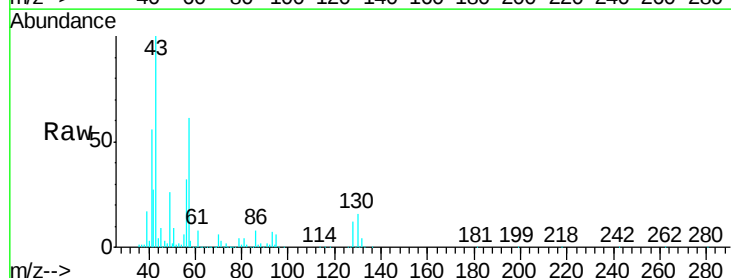
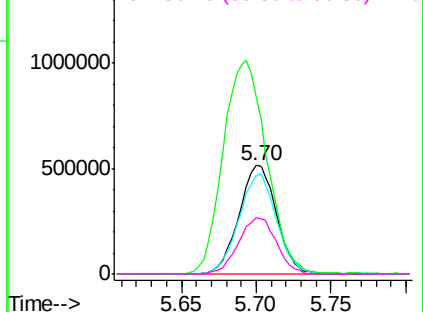
57 100

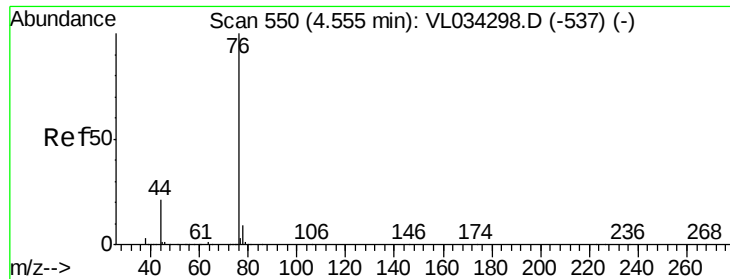
41 93.9 76.5 114.7

43 229.2 188.5 282.7

56 53.0 42.8 64.2

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





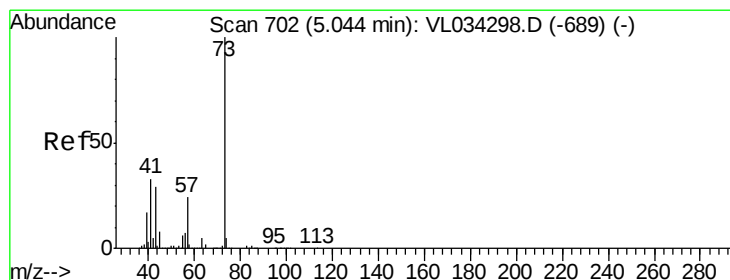
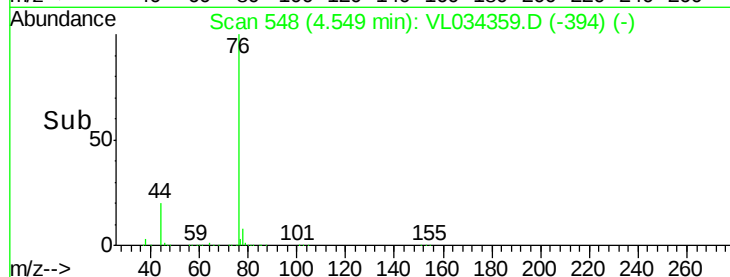
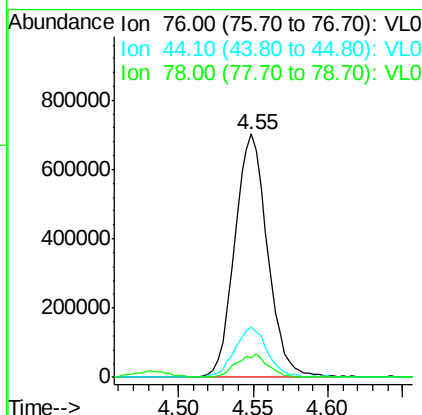
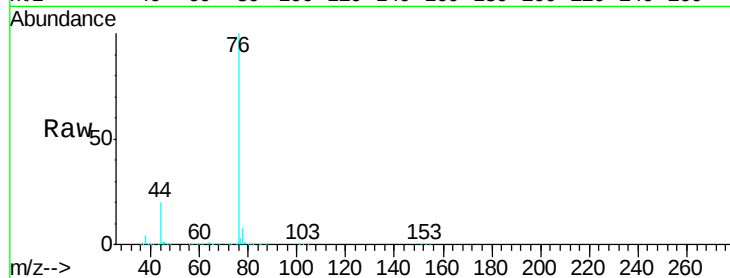
#27
Carbon Disulfide
Concen: 11.142 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1071913
Ion Ratio Lower Upper
76 100
44 20.5 17.3 25.9
78 9.2 7.8 11.6

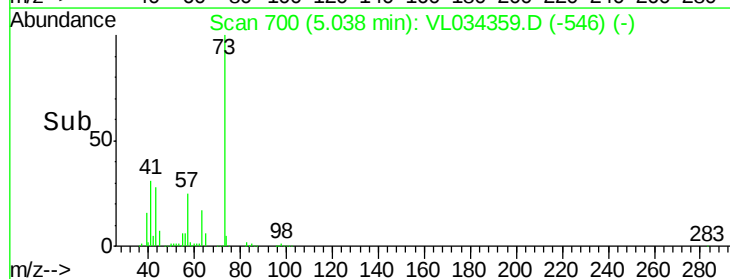
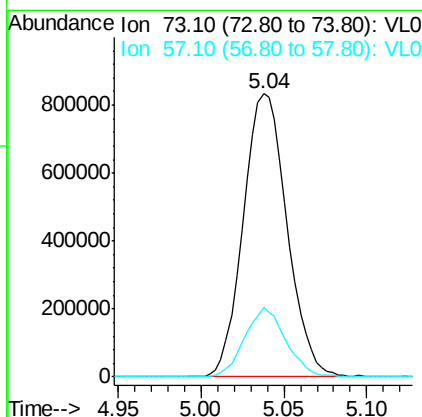
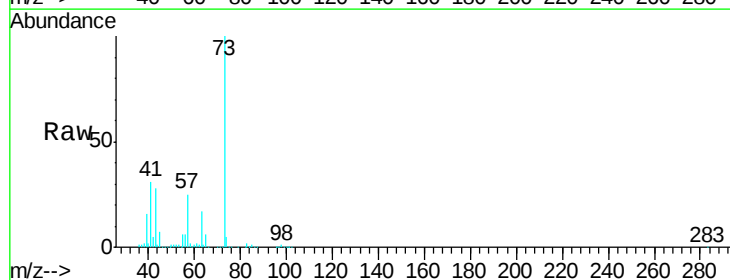
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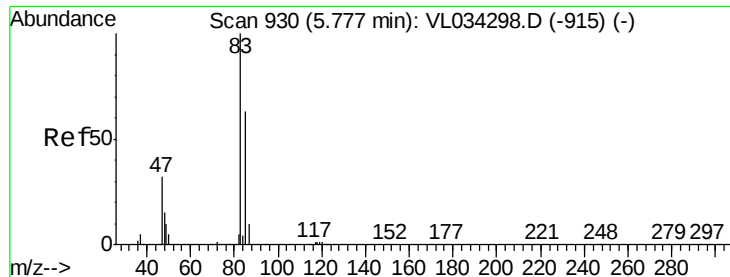
MMDadoda
10/31/2019 2:12:44 AM



#28
Methyl tert-Butyl Ether
Concen: 10.925 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 73 Resp: 1532138
Ion Ratio Lower Upper
73 100
57 23.3 19.2 28.8





#29

Chloroform

Concen: 9.672 ppbv

RT: 5.77 min Scan# 928

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1417806

Ion Ratio Lower Upper

83 100

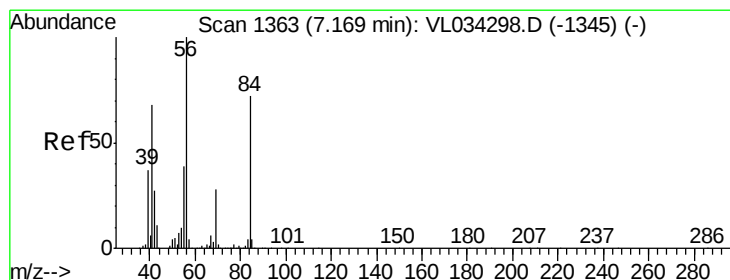
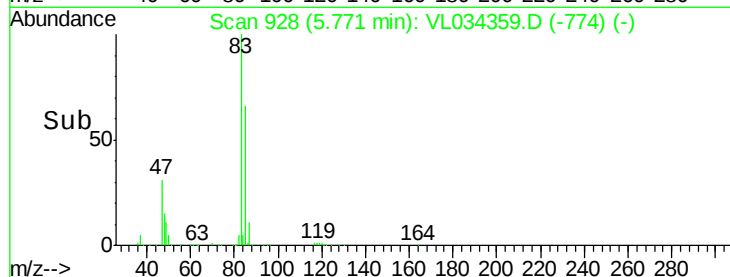
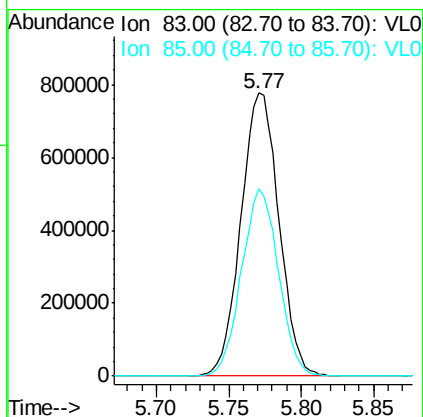
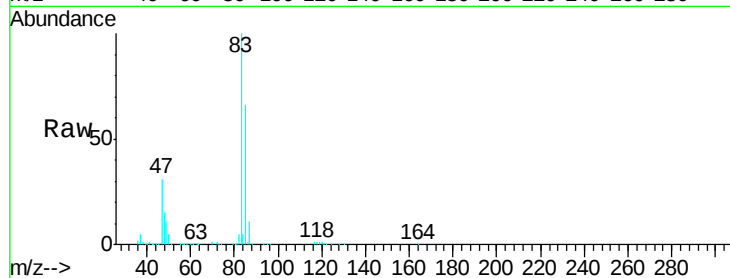
85 66.0 50.5 75.7

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#30

Cyclohexane

Concen: 10.720 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

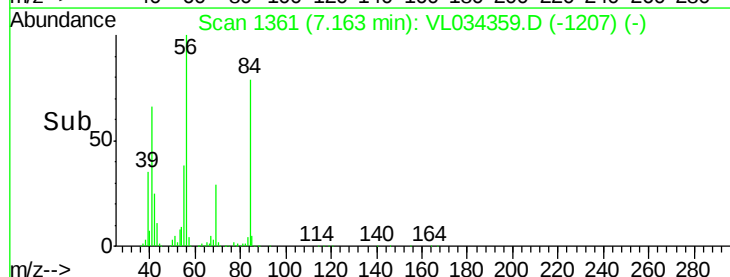
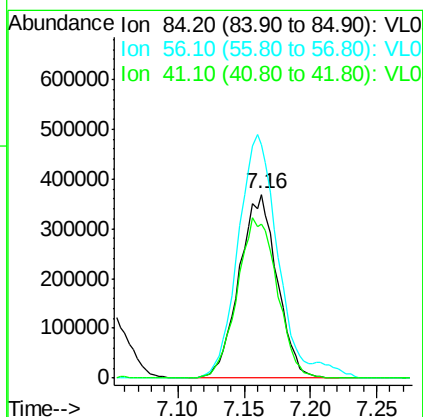
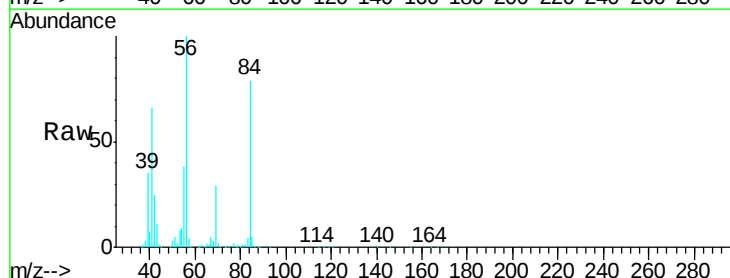
Tgt Ion: 84 Resp: 730600

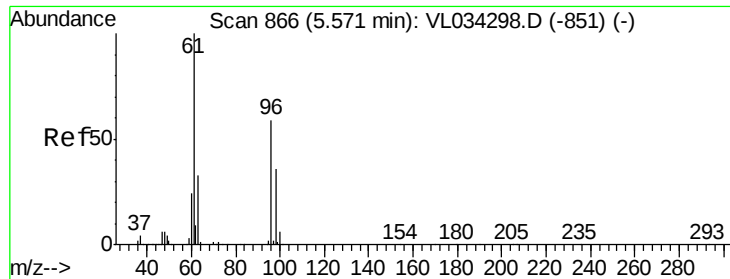
Ion Ratio Lower Upper

84 100

56 141.9 119.4 179.0

41 92.0 78.7 118.1





#31

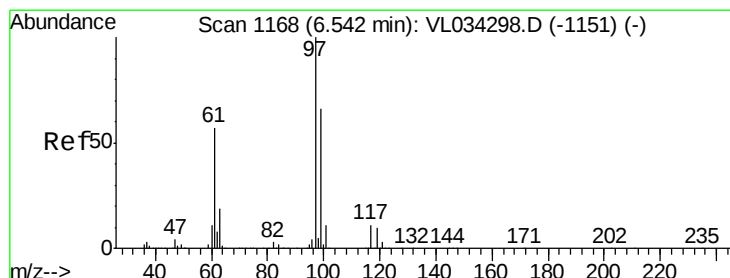
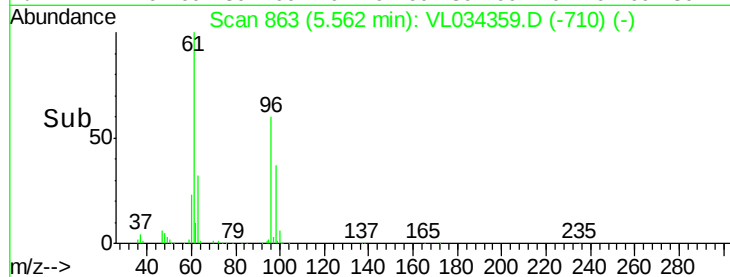
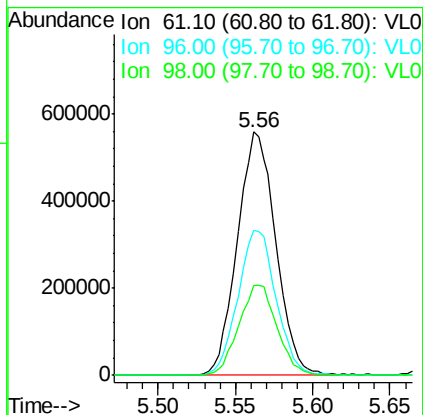
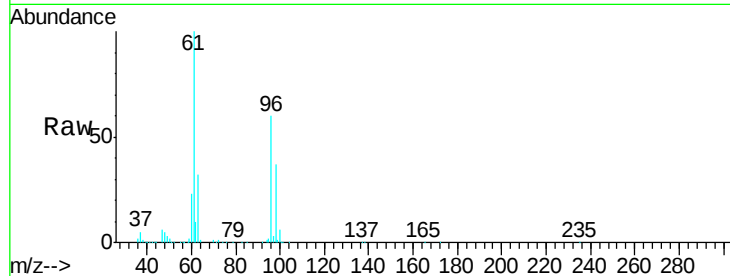
cis-1,2-Dichloroethene
 Concen: 10.251 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.8	47.5	71.3
98	36.9	28.8	43.2

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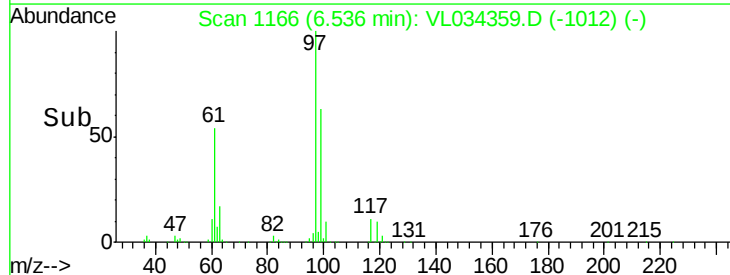
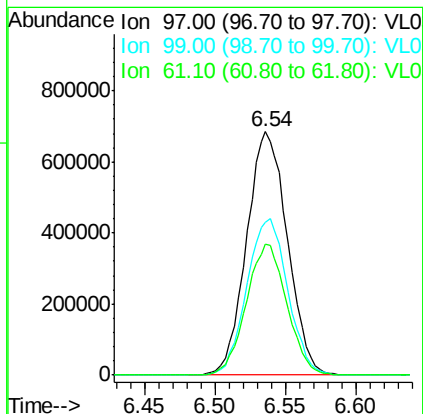
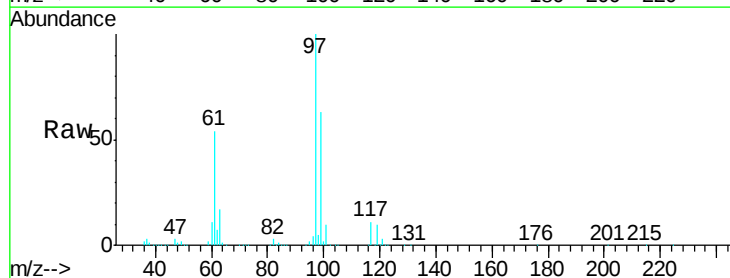
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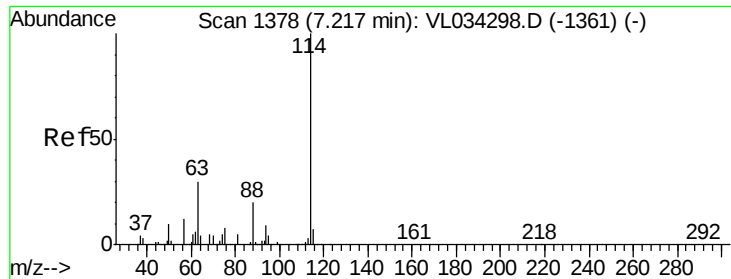


#32

1,1,1-Trichloroethane
 Concen: 9.724 ppbv
 RT: 6.54 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	53.6	44.5	66.7





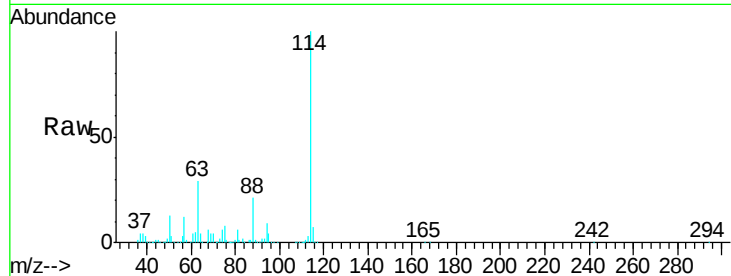
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

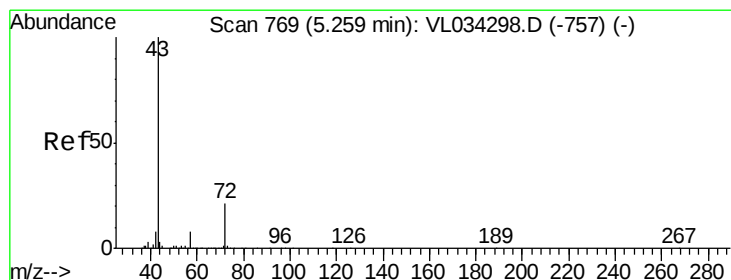
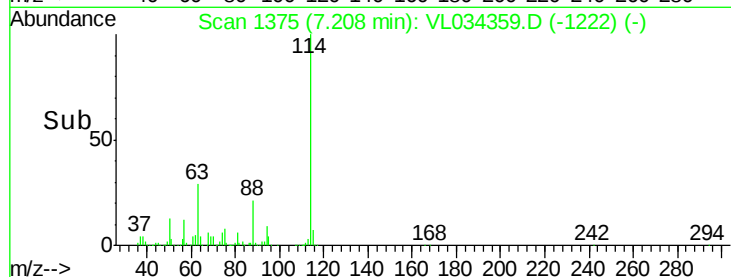
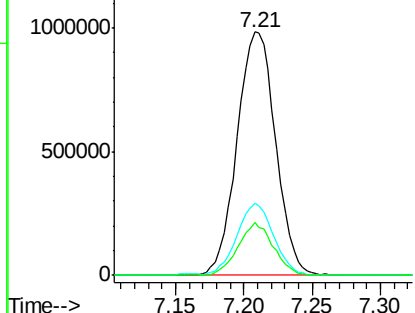
Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.8	25.2	37.8
88	19.7	16.0	24.0

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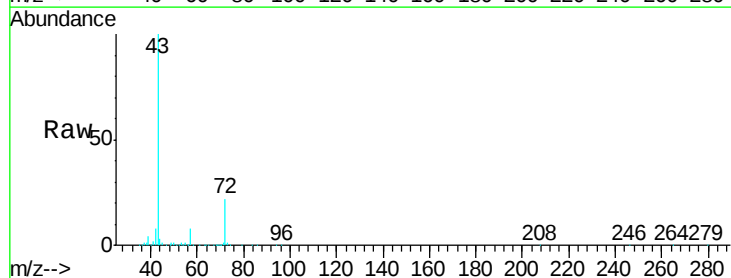


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

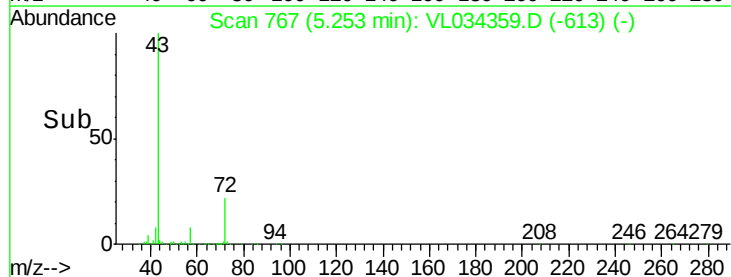
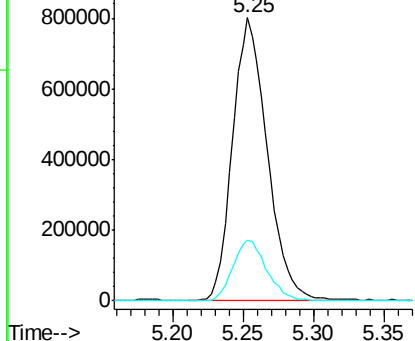


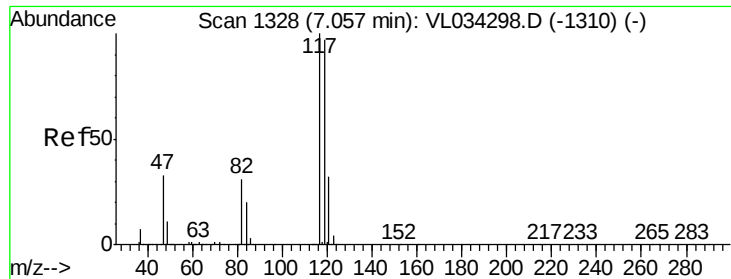
#34
 2-Butanone
 Concen: 8.720 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	16.3	24.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.185 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 1374695

Ion Ratio Lower Upper

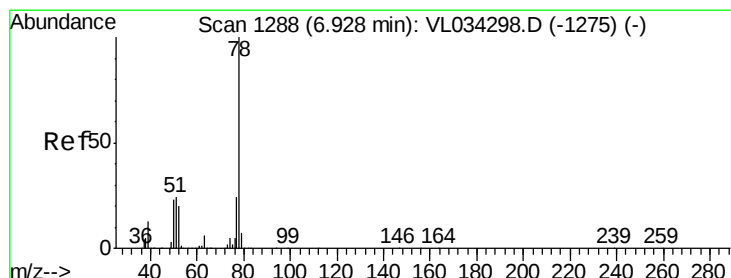
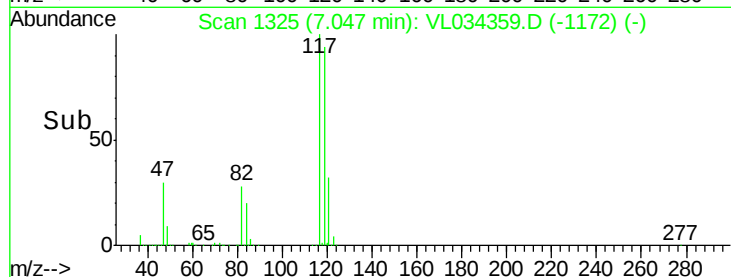
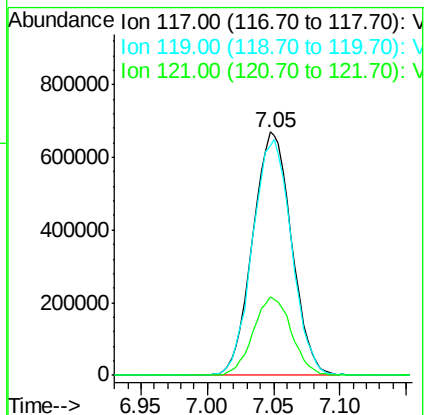
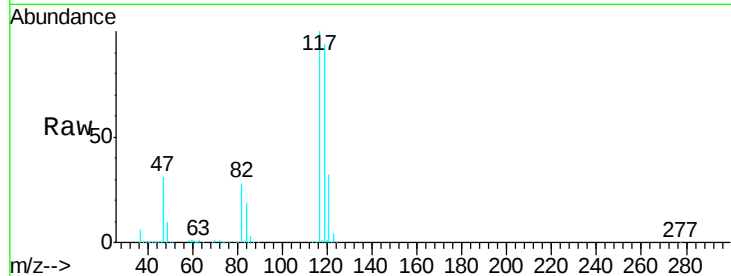
117 100

119 94.1 77.3 115.9

121 32.2 25.5 38.3

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#36

Benzene

Concen: 9.459 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

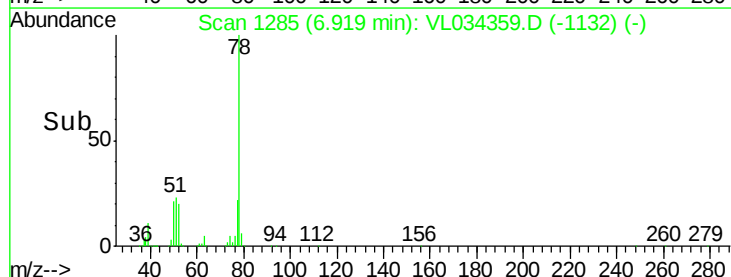
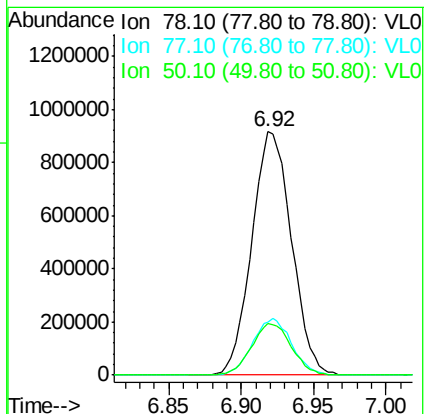
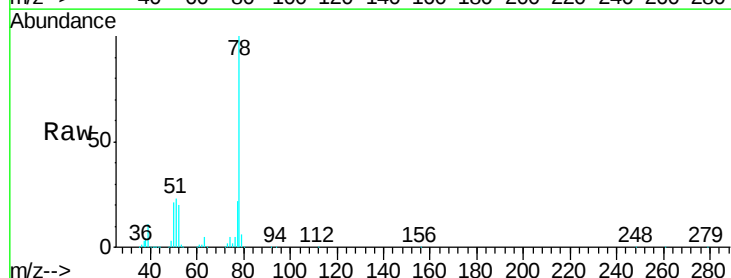
Tgt Ion: 78 Resp: 1750074

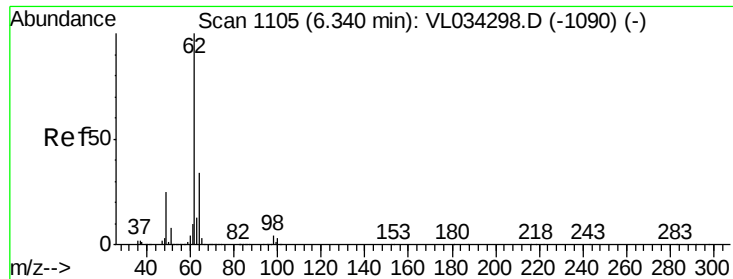
Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.4

50 21.4 18.6 27.8





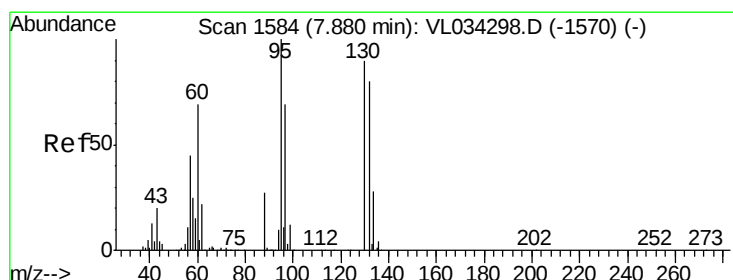
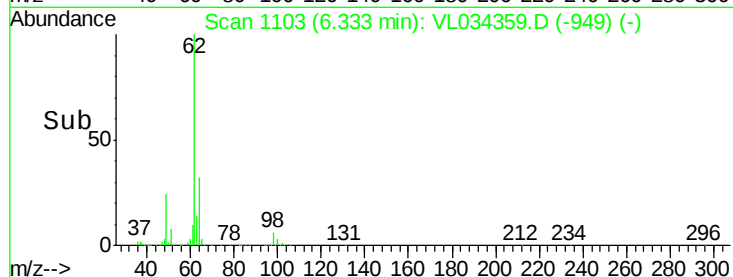
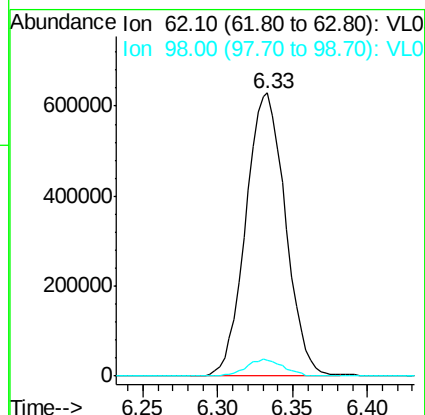
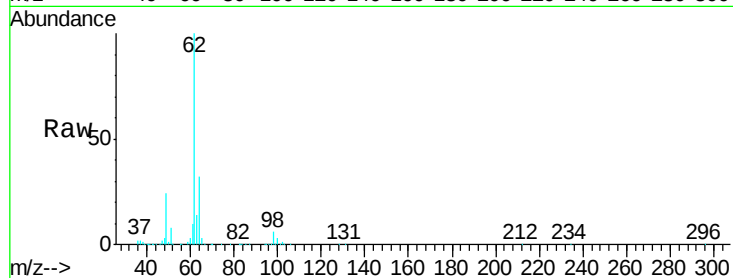
#37
 1,2-Dichloroethane
 Concen: 8.434 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1162885
 Ion Ratio Lower Upper
 62 100
 98 5.7 3.8 5.6#

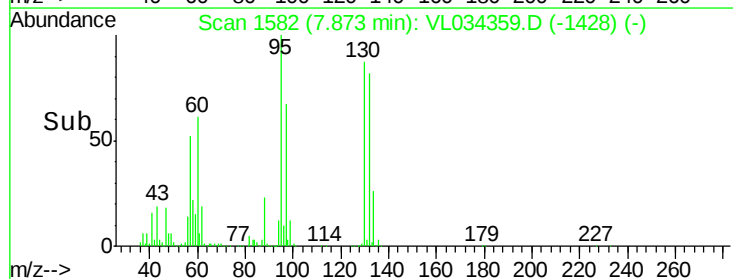
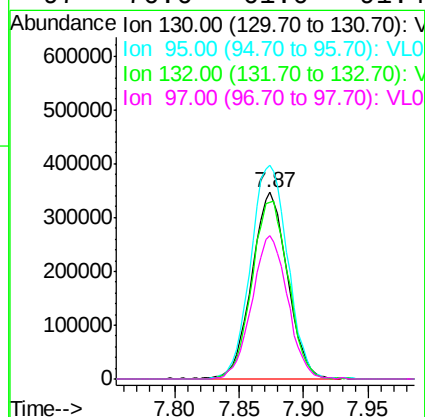
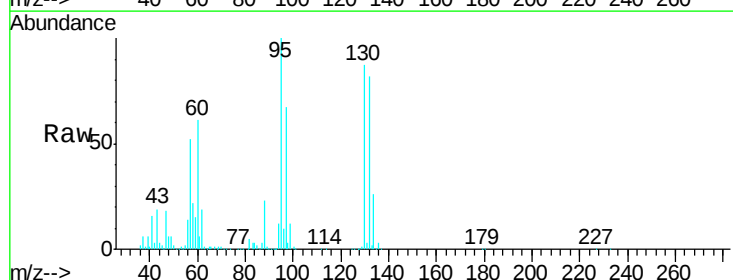
Manual Integrations
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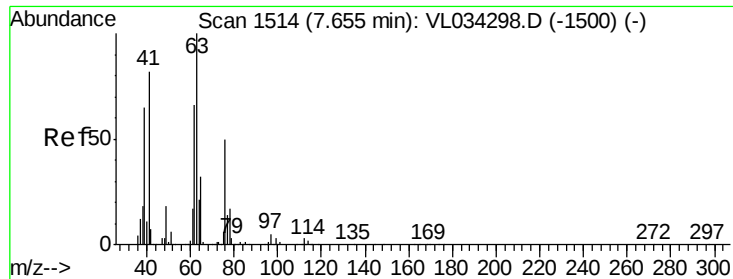
MMDadoda
 10/31/2019 2:12:44 AM



#38
 Trichloroethene
 Concen: 8.971 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 130 Resp: 666015
 Ion Ratio Lower Upper
 130 100
 95 114.6 88.6 132.8
 132 94.3 71.2 106.8
 97 76.6 61.0 91.4





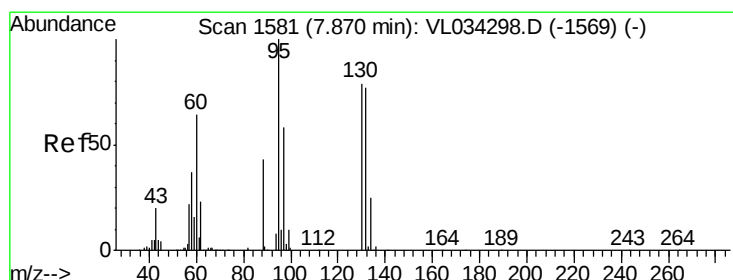
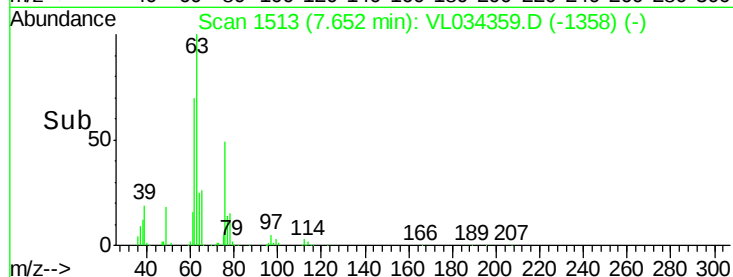
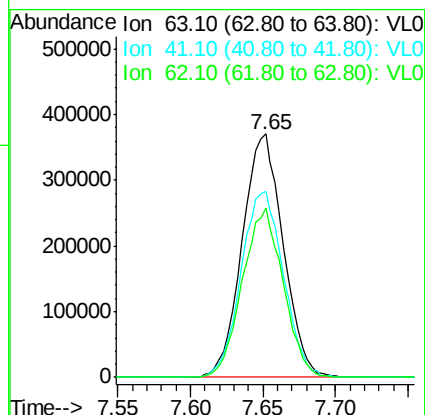
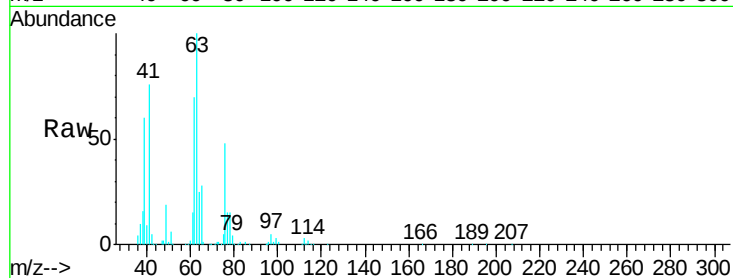
#39
 1,2-Dichloropropane
 Concen: 9.135 ppbv
 RT: 7.65 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.1	65.6	98.4
62	69.4	53.0	79.6

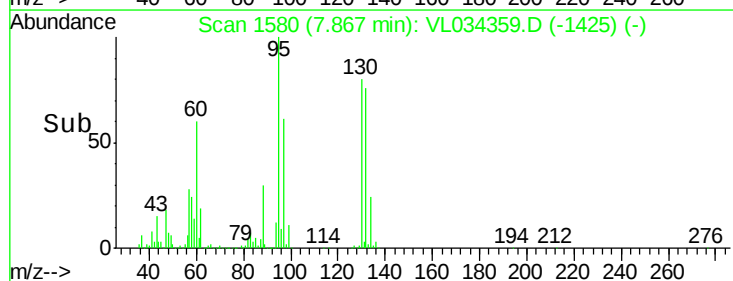
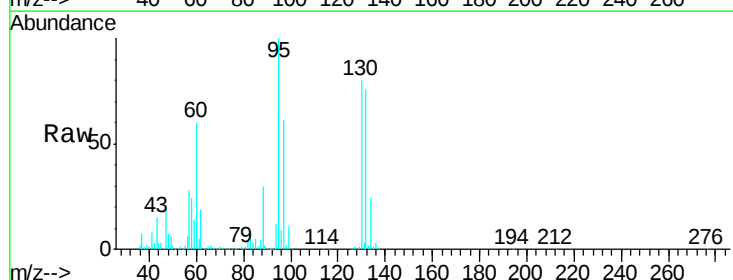
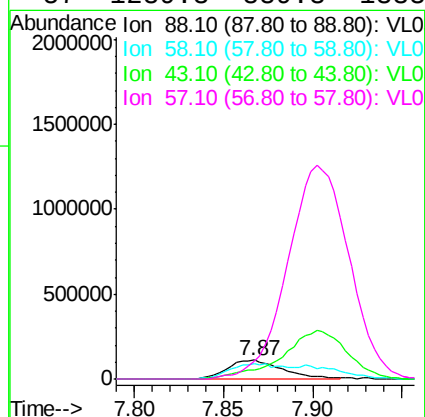
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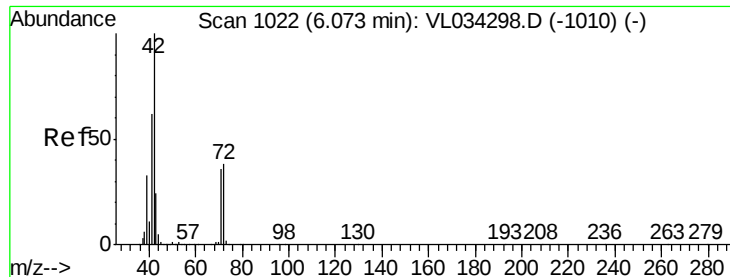
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#40
 1,4-Dioxane
 Concen: 8.374 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	141.6	110.3	165.5
43	309.7	228.1	342.1
57	1289.3	889.3	1333.9





#41

Tetrahydrofuran

Concen: 9.253 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

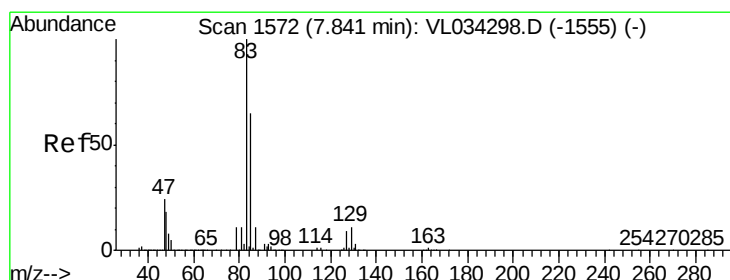
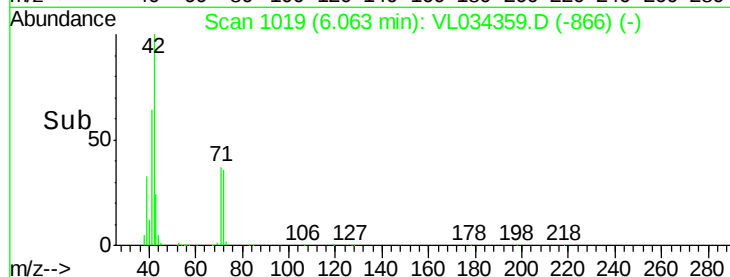
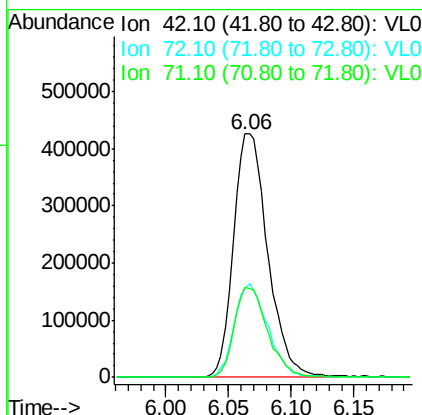
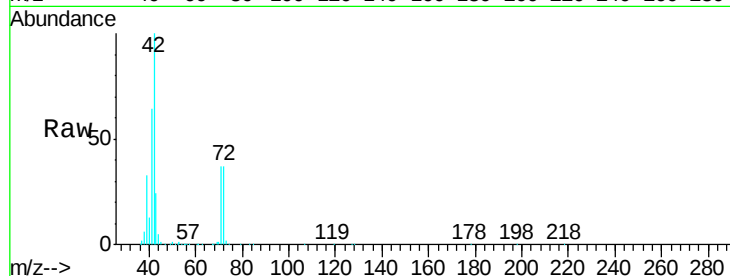
ClientSampleId :

VSTDCCC010

Tgt Ion:	42	Resp:	809324
Ion Ratio		Lower	Upper
42	100		
72	37.6	28.0	42.0
71	36.2	27.3	40.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.188 ppbv

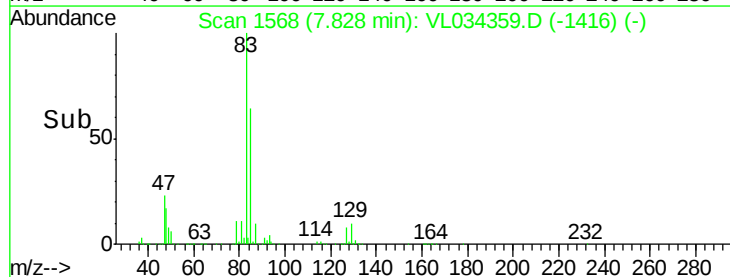
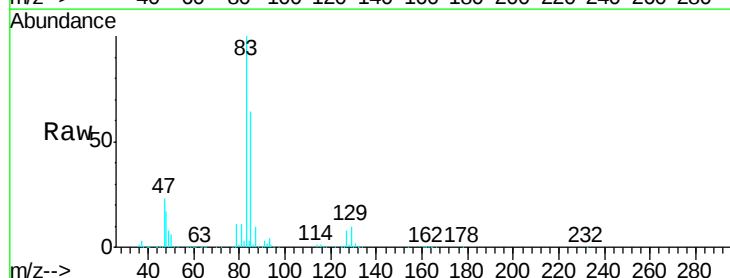
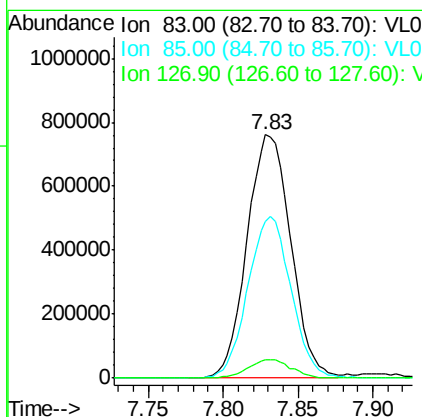
RT: 7.83 min Scan# 1568

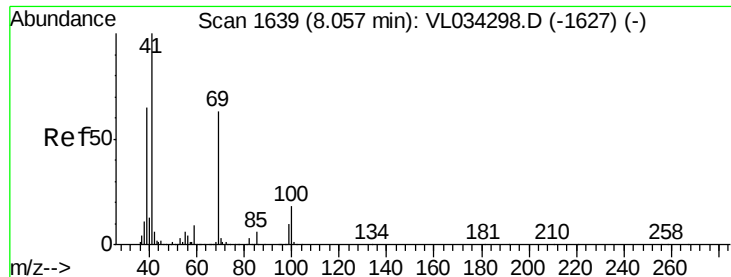
Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:	83	Resp:	1551688
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.8	77.6
127	7.8	7.0	10.6





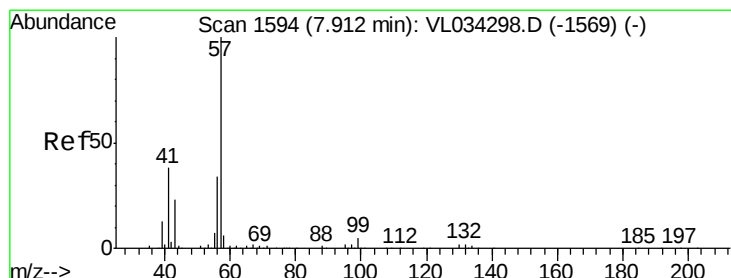
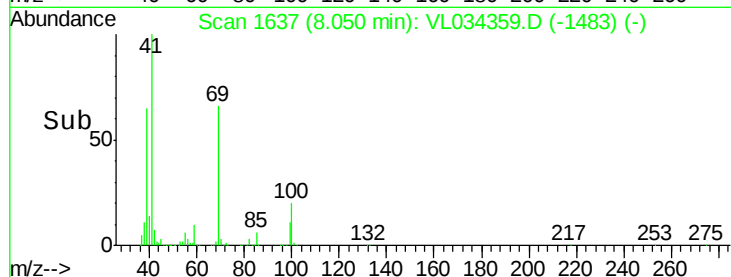
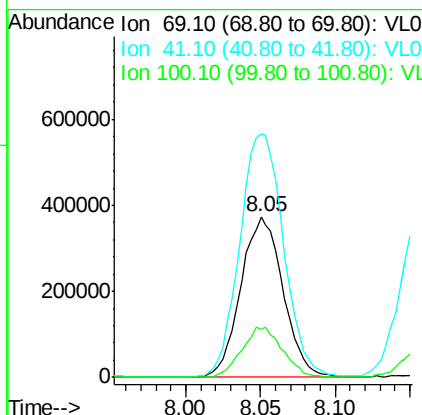
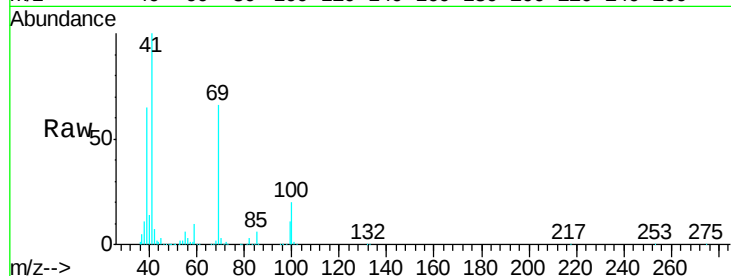
#43
Methyl Methacrylate
Concen: 9.610 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	156.9	132.1	198.1
100	30.2	23.2	34.8

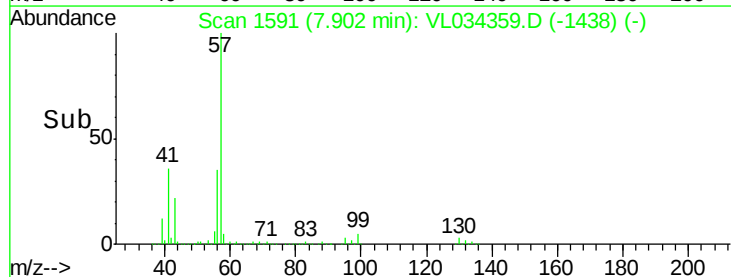
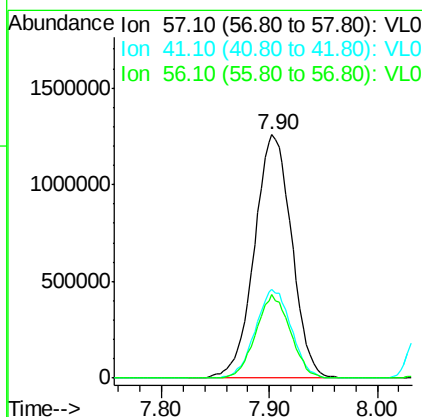
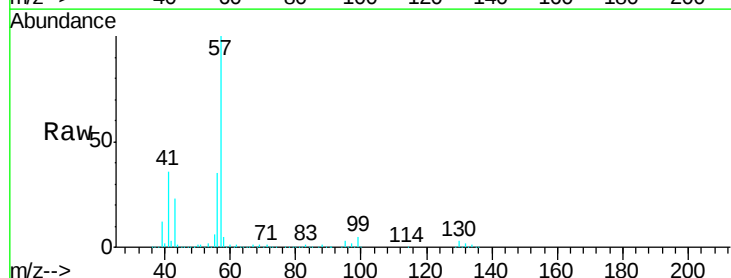
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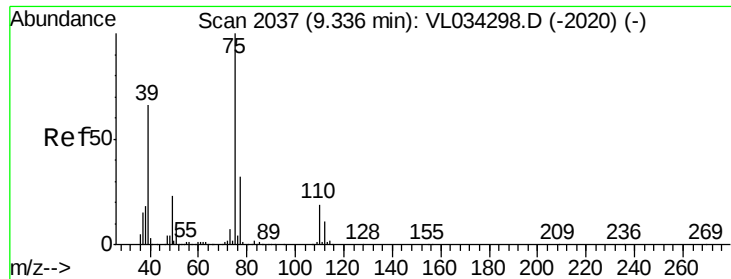
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.810 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.0	29.3	43.9
56	31.7	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 10.495 ppbv

RT: 9.33 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 978428

Ion Ratio Lower Upper

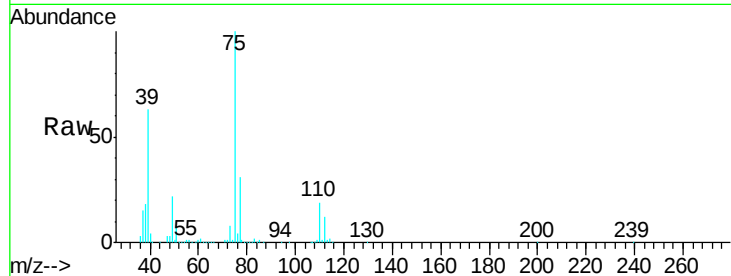
75 100

77 31.0 25.6 38.4

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.33

500000

400000

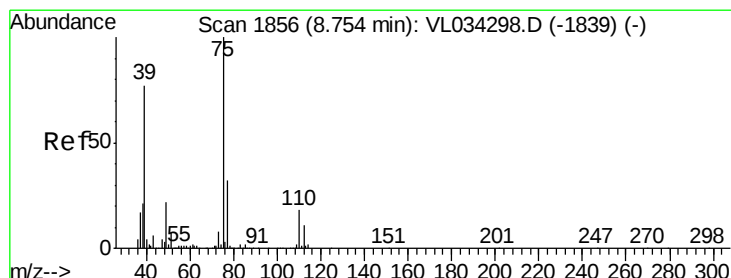
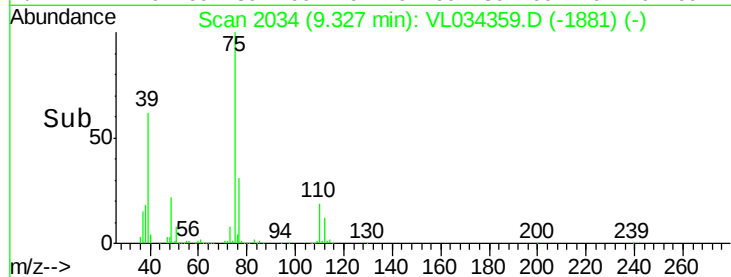
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.356 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

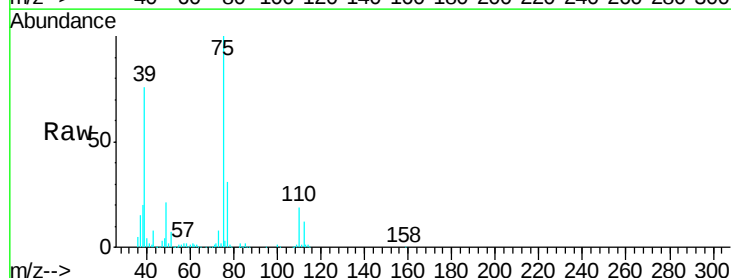
Tgt Ion: 75 Resp: 1109161

Ion Ratio Lower Upper

75 100

39 75.7 61.2 91.8

77 31.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.75

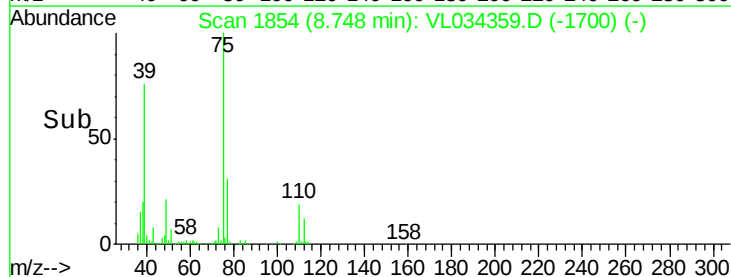
600000

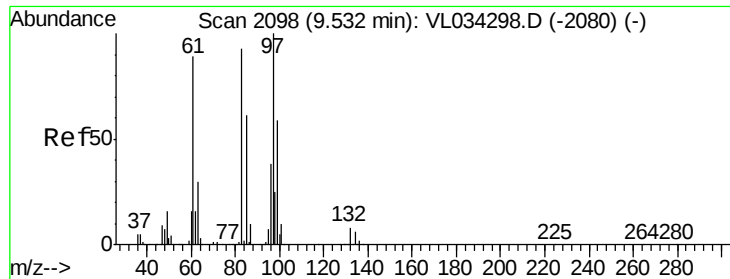
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 8.943 ppbv

RT: 9.53 min Scan# 2096

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

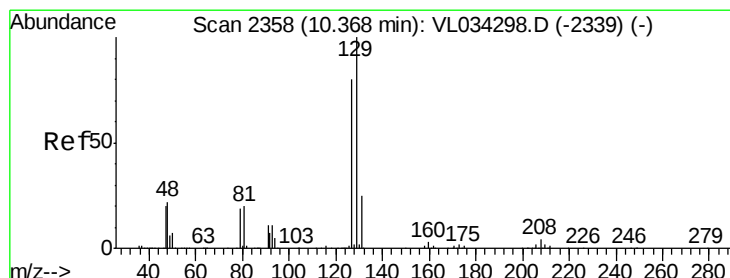
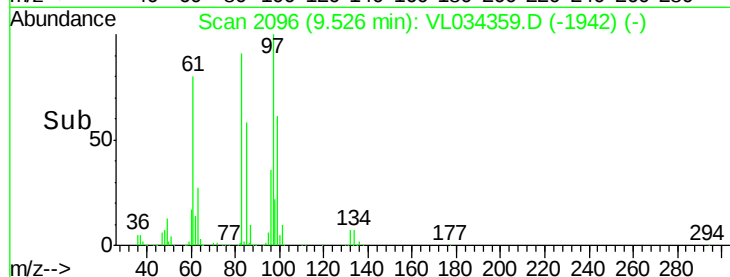
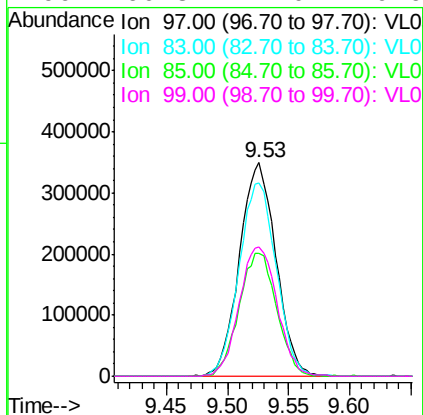
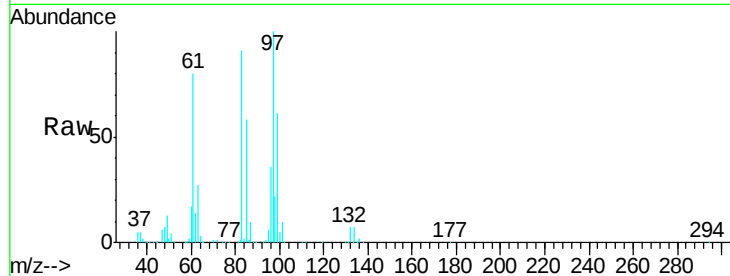
ClientSampleId :

VSTDCCC010

Tgt Ion:	97	Resp:	721623
Ion Ratio	Lower	Upper	
97	100		
83	90.4	74.2	111.2
85	57.8	48.6	73.0
99	60.8	47.0	70.6

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#48

Dibromochloromethane

Concen: 9.537 ppbv

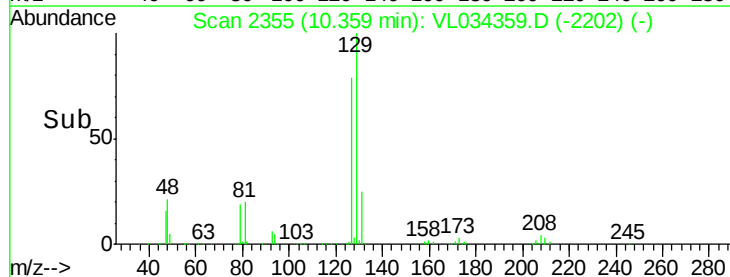
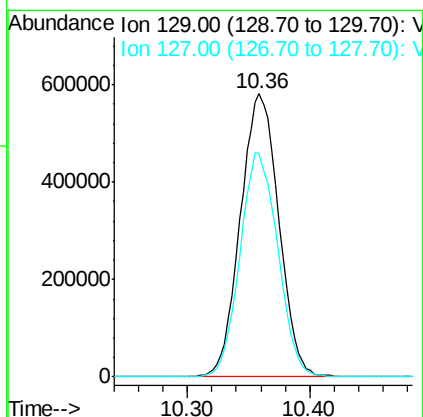
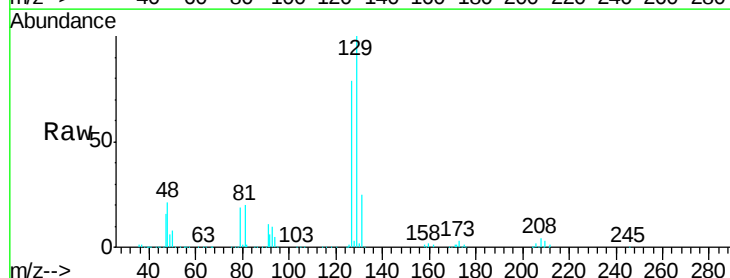
RT: 10.36 min Scan# 2355

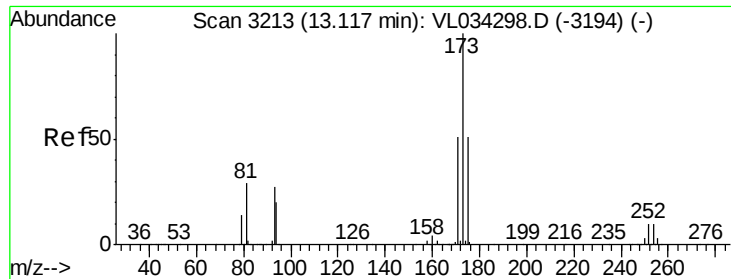
Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:	129	Resp:	1262363
Ion Ratio	Lower	Upper	
129	100		
127	78.1	39.7	119.1





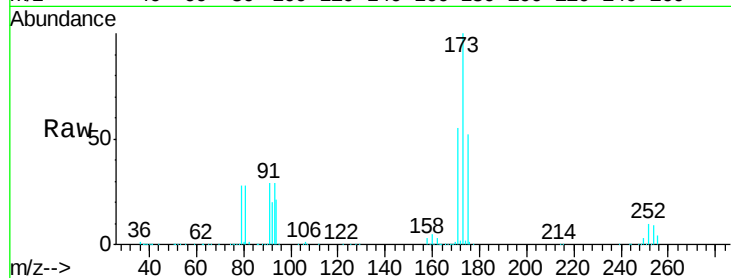
#49
Bromoform
Concen: 9.456 ppbv
RT: 13.11 min Scan# 3210
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

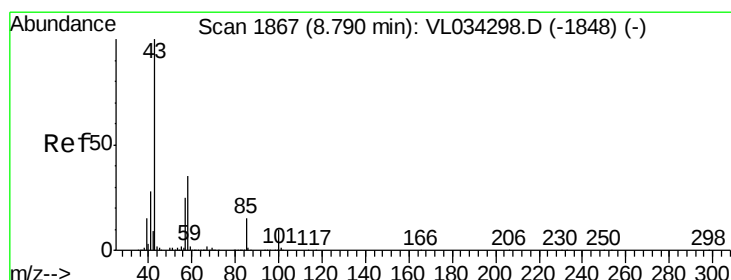
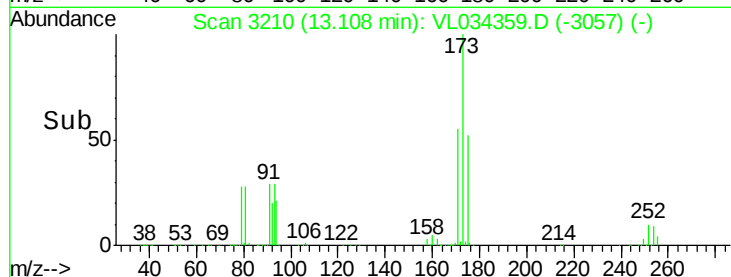
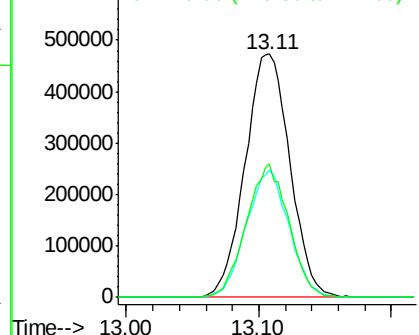
Tgt Ion: 173 Resp: 1109134
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
171 52.1 41.8 62.6

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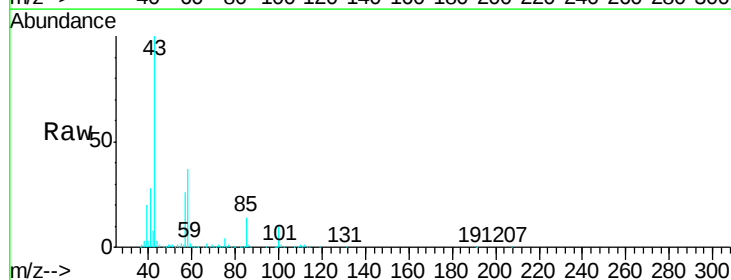


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

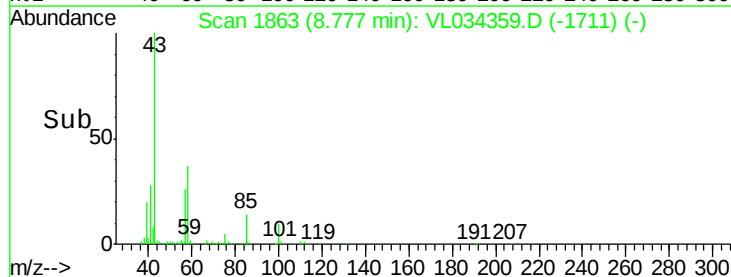
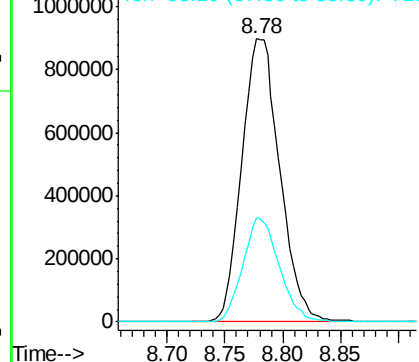


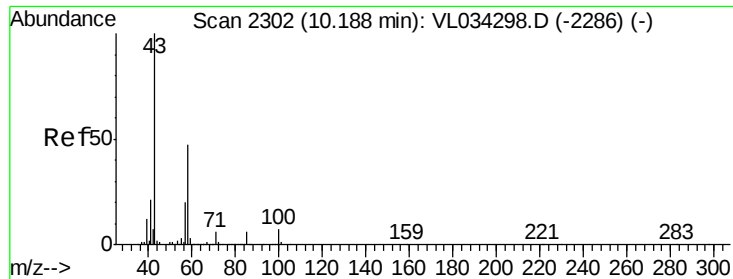
#50
4-Methyl-2-Pentanone
Concen: 9.060 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 43 Resp: 2044136
Ion Ratio Lower Upper
43 100
58 35.3 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: 9.300 ppbv

RT: 10.18 min Scan# 2299

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1720190

Ion Ratio Lower Upper

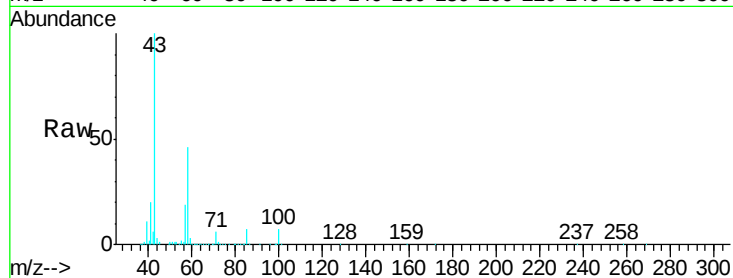
43 100

58 47.6 37.0 55.6

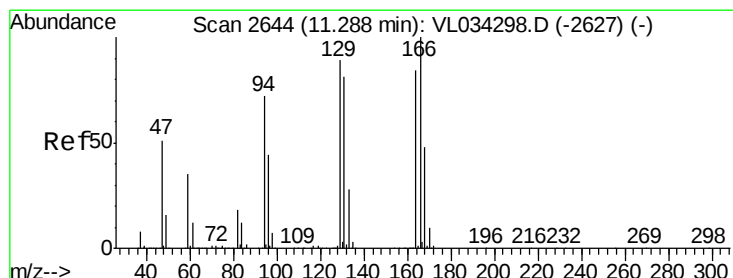
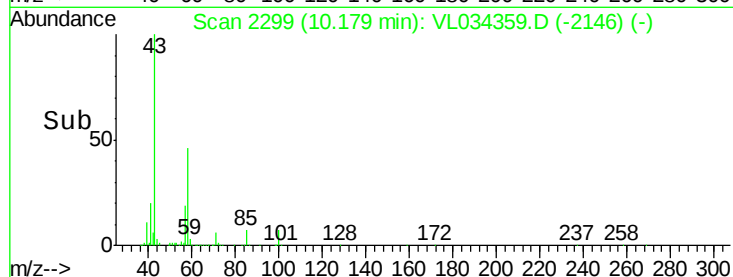
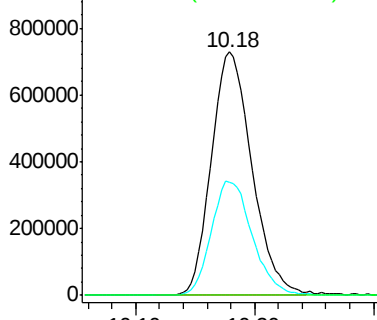
98 0.1 0.2 0.2#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.097 ppbv

RT: 11.28 min Scan# 2641

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion: 164 Resp: 659688

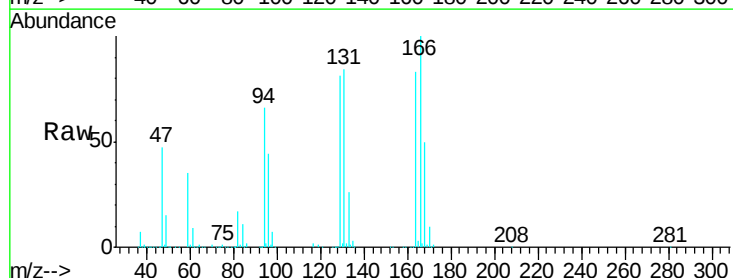
Ion Ratio Lower Upper

164 100

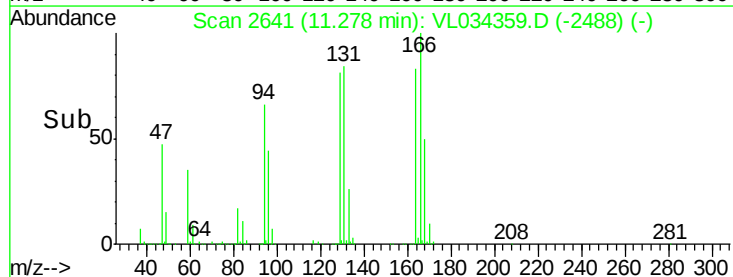
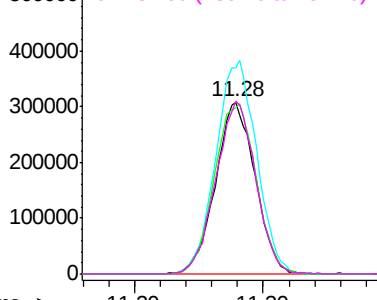
166 120.2 95.3 142.9

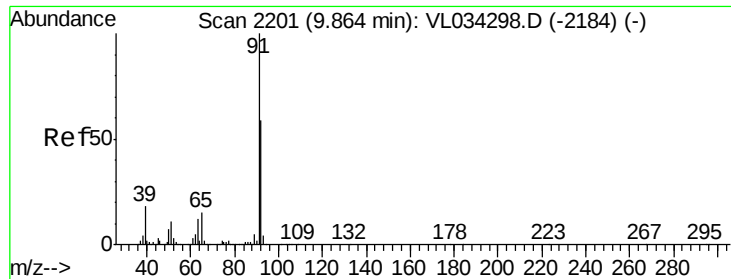
129 97.1 84.5 126.7

131 100.6 77.3 115.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.915 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2024263

Ion Ratio Lower Upper

91 100

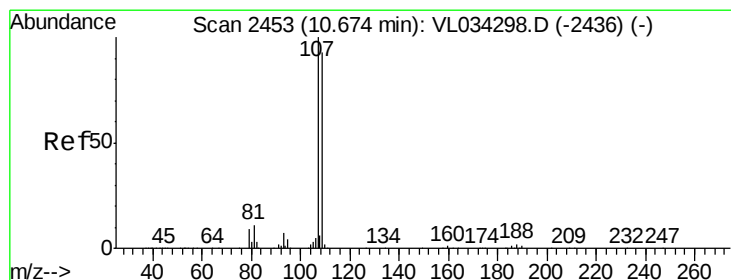
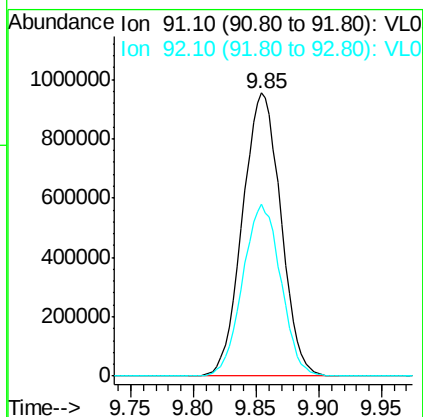
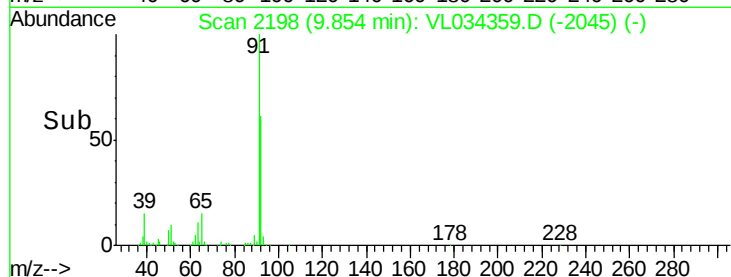
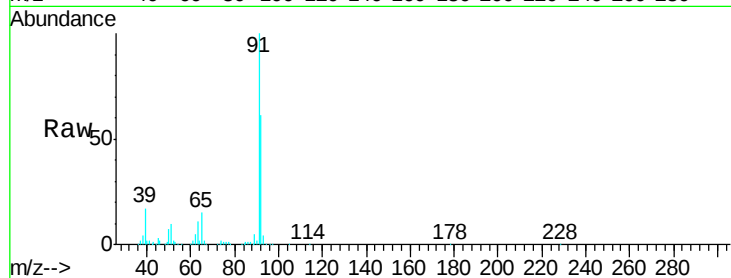
92 60.5 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.192 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034359.D

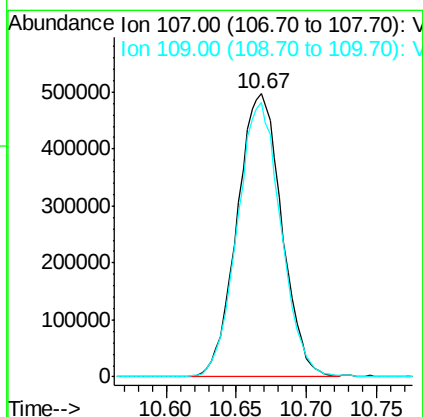
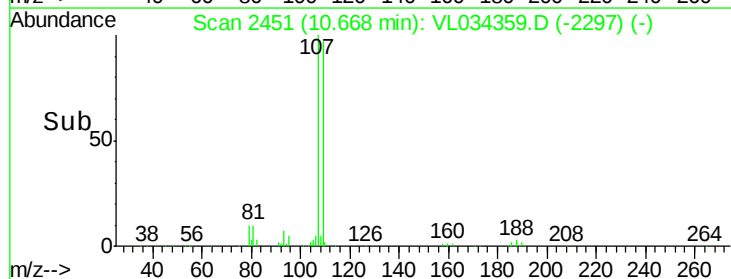
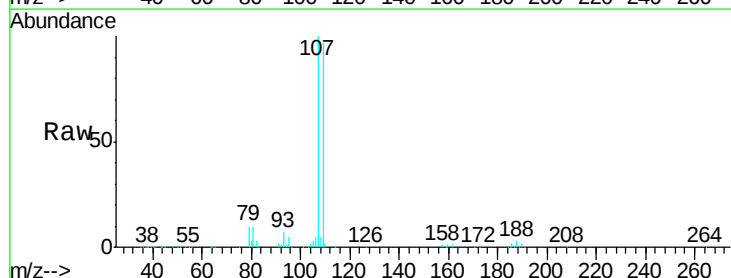
Acq: 25 Oct 2019 10:14

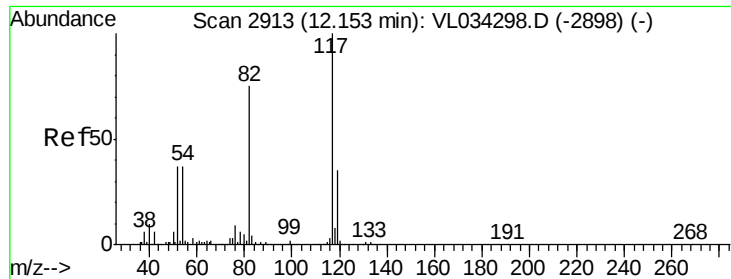
Tgt Ion: 107 Resp: 1099379

Ion Ratio Lower Upper

107 100

109 96.7 74.6 112.0





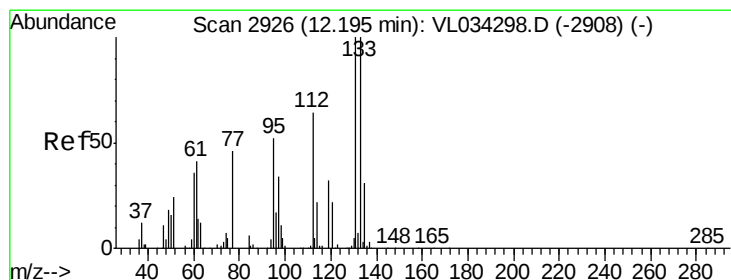
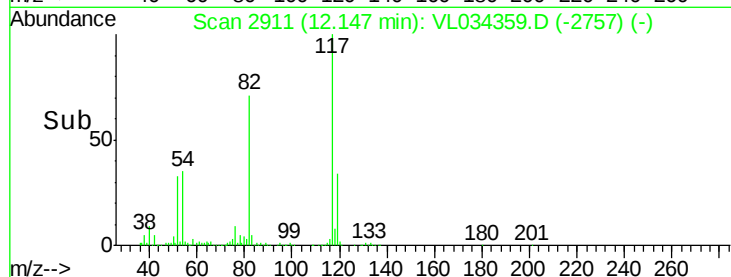
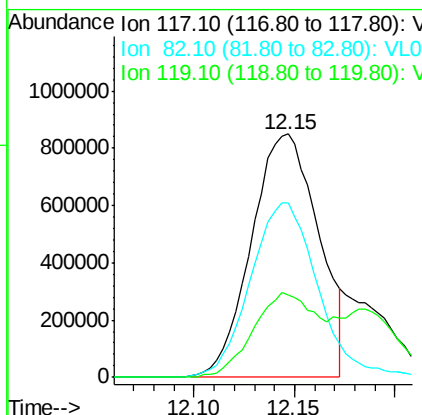
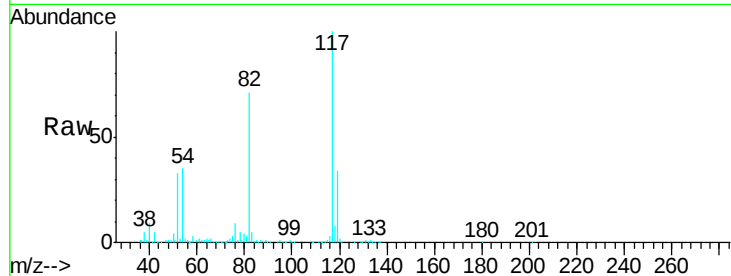
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1958807
Ion Ratio Lower Upper
117 100
82 72.4 55.5 83.3
119 58.8 26.5 39.7#

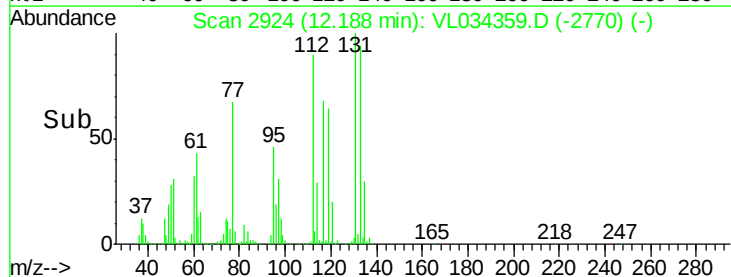
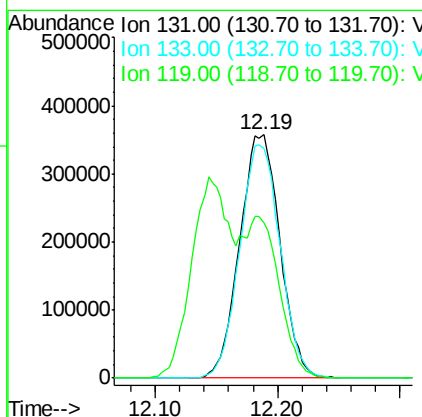
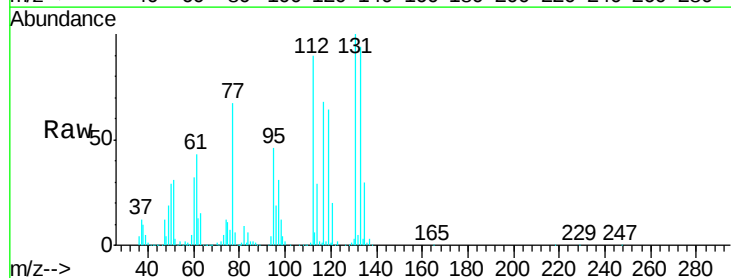
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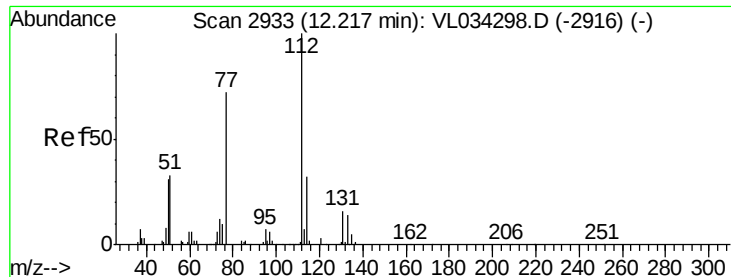
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.053 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion:131 Resp: 817252
Ion Ratio Lower Upper
131 100
133 96.3 77.1 115.7
119 140.9 49.0 73.4#





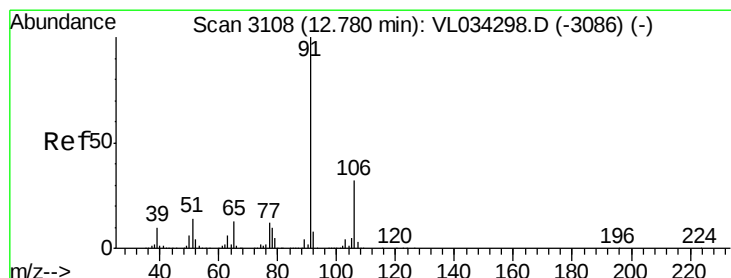
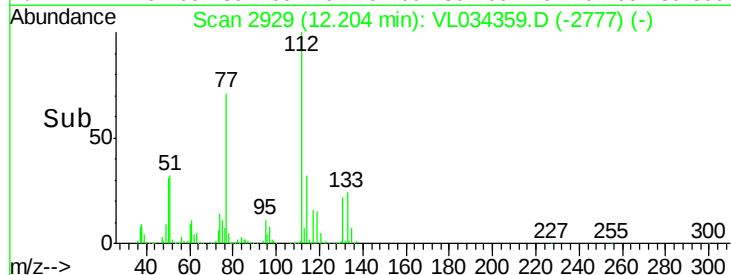
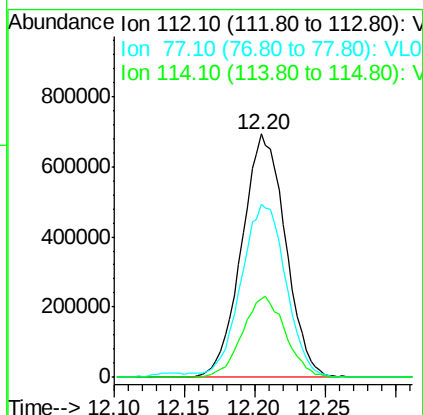
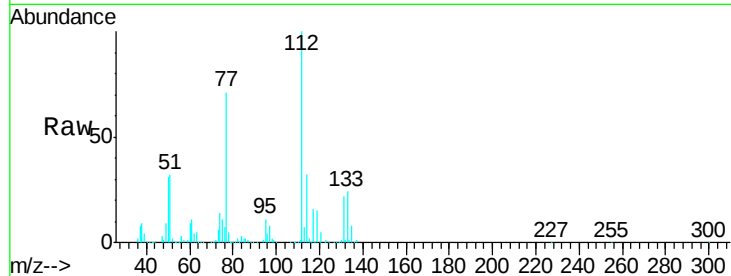
#57
Chlorobenzene
Concen: 9.167 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 1498026
Ion Ratio Lower Upper
112 100
77 71.0 58.6 88.0
114 32.2 28.6 35.0

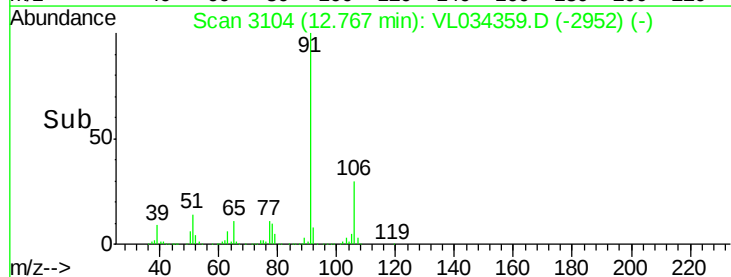
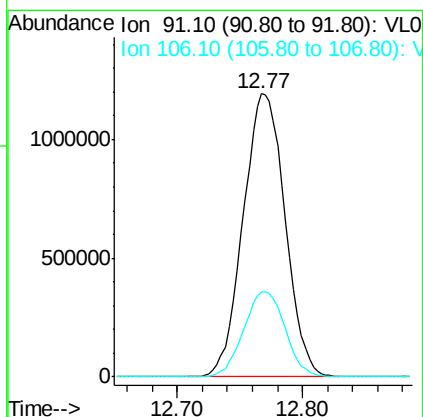
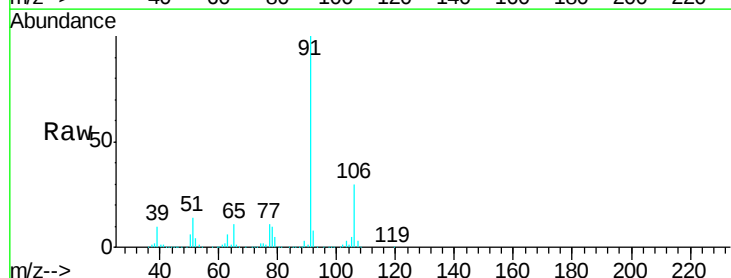
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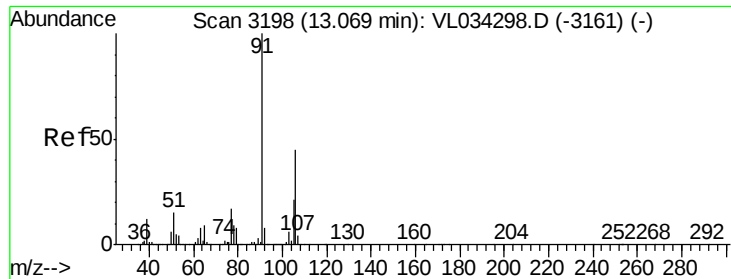
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#58
Ethyl Benzene
Concen: 10.121 ppbv
RT: 12.77 min Scan# 3104
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 2771471
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9





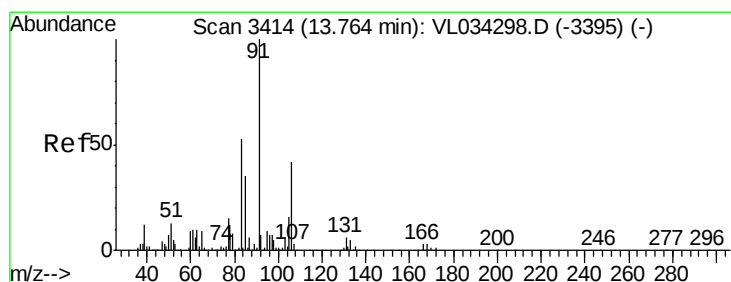
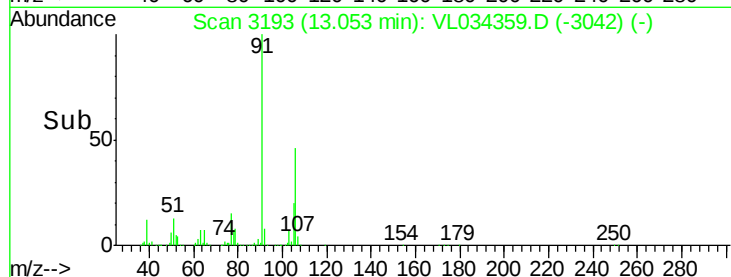
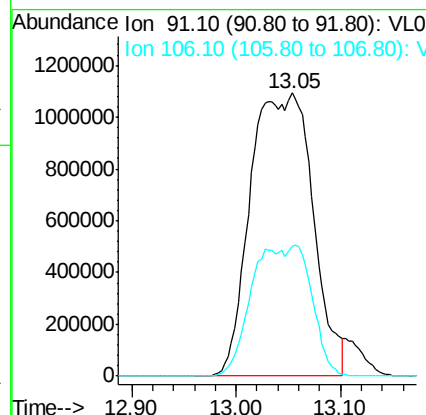
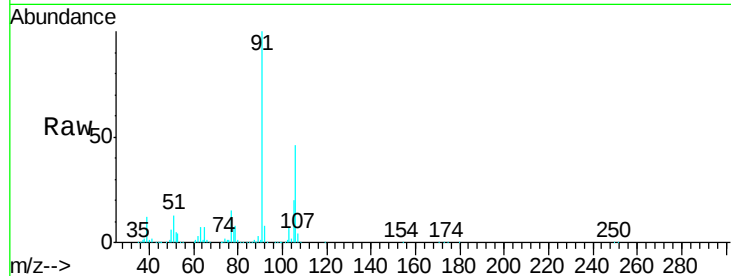
#59
m/p-Xylene
Concen: 19.085 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4527866
Ion Ratio Lower Upper
91 100
106 44.3 35.4 53.2

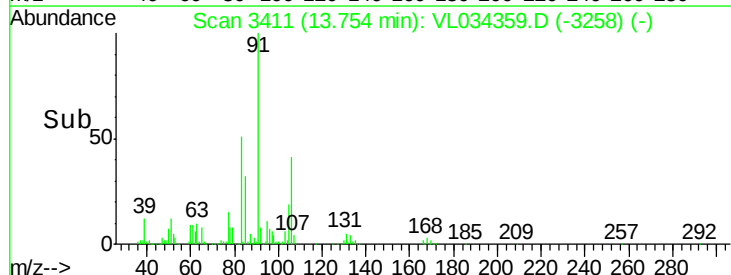
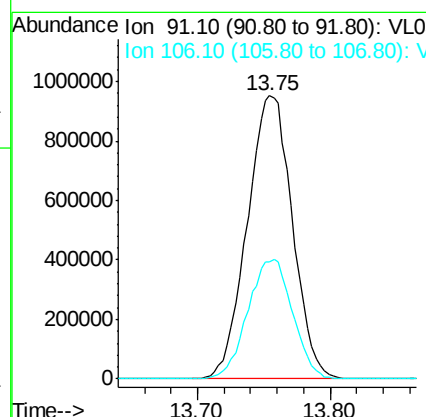
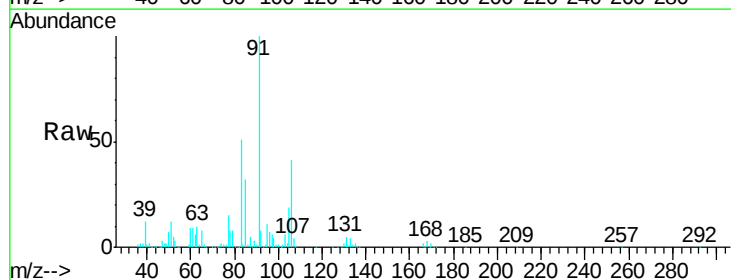
Manual Integrations
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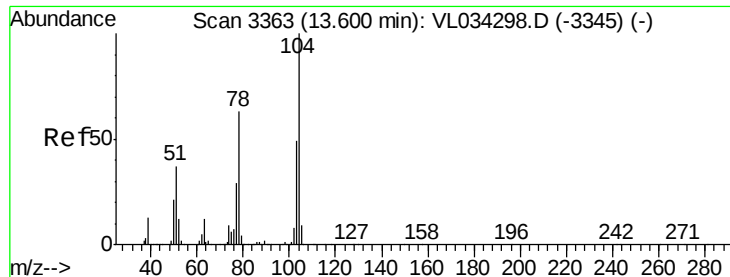
MMDadoda
10/31/2019 2:12:44 AM



#60
o-Xylene
Concen: 9.510 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion: 91 Resp: 2246656
Ion Ratio Lower Upper
91 100
106 42.0 21.6 64.6





#61

Styrene

Concen: 10.253 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

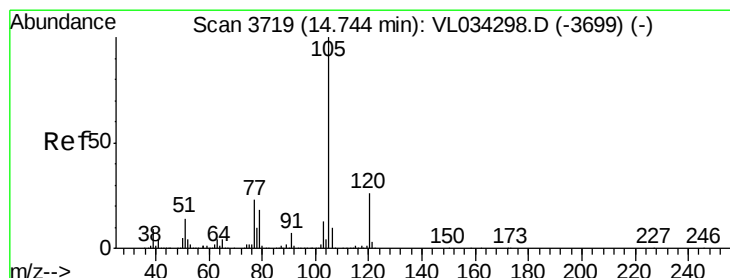
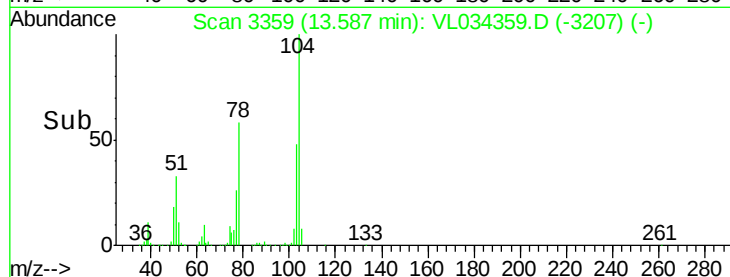
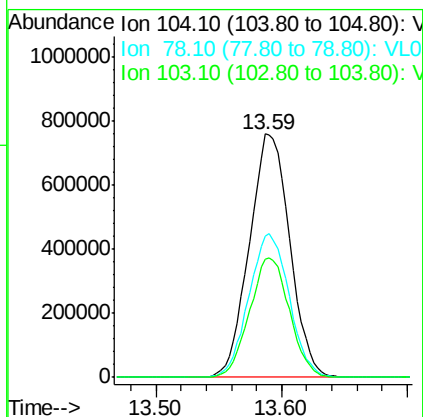
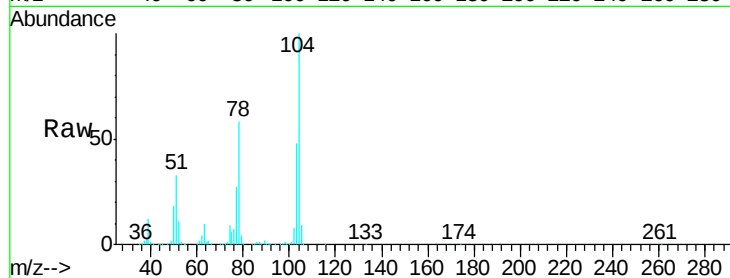
VSTDCCC010

Tgt Ion:104 Resp: 1705317

Ion	Ratio	Lower	Upper
104	100		
78	58.8	47.8	71.8
103	48.4	39.0	58.6

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10/31/2019 2:12:44 AM



#62

Isopropylbenzene

Concen: 9.473 ppbv

RT: 14.73 min Scan# 3715

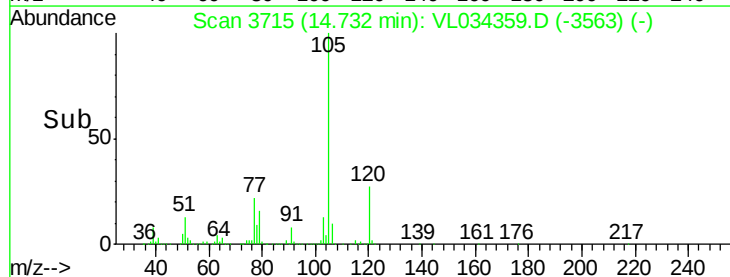
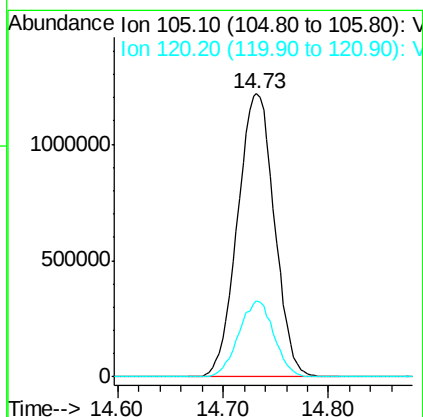
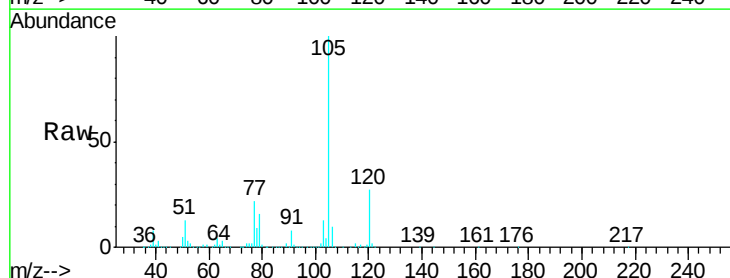
Delta R.T. -0.01 min

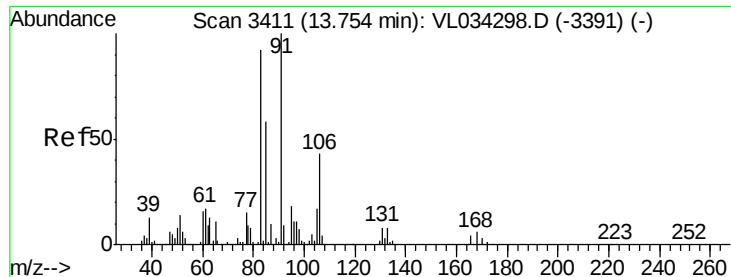
Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:105 Resp: 2954311

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.8	31.2





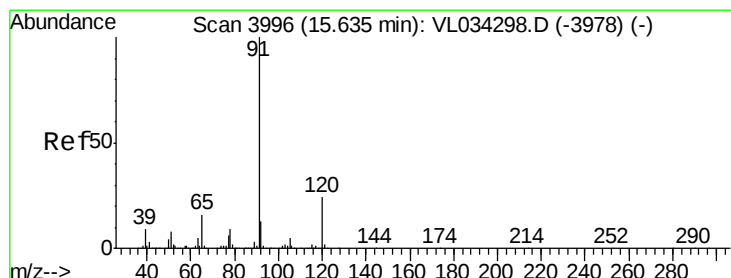
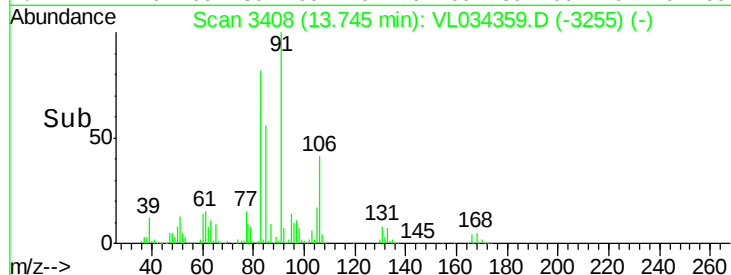
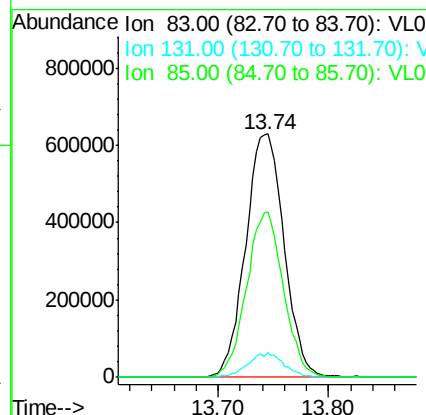
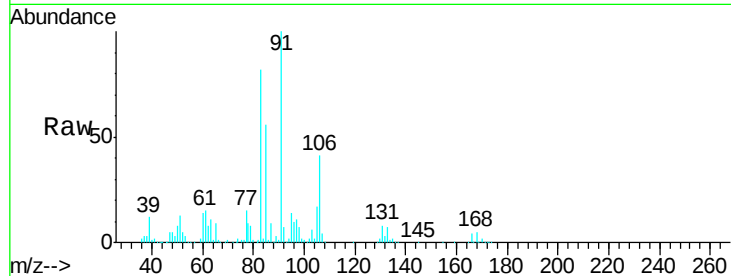
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.012 ppbv
 RT: 13.74 min Scan# 3408
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 1520968
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.4
 85 65.2 32.5 97.4

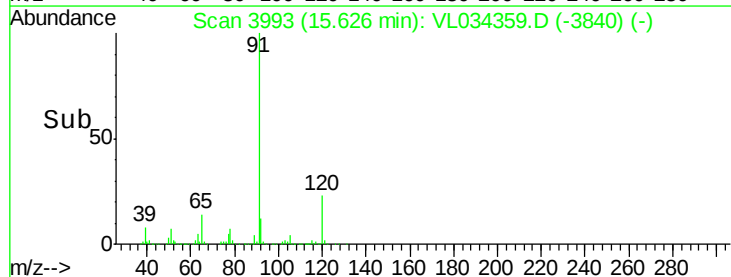
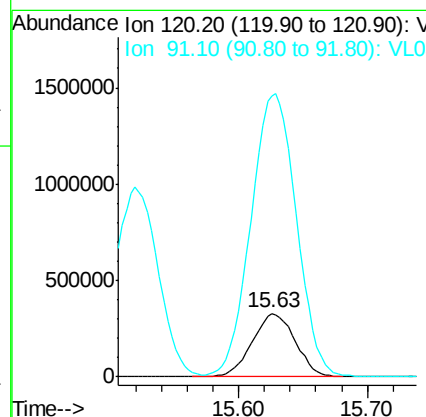
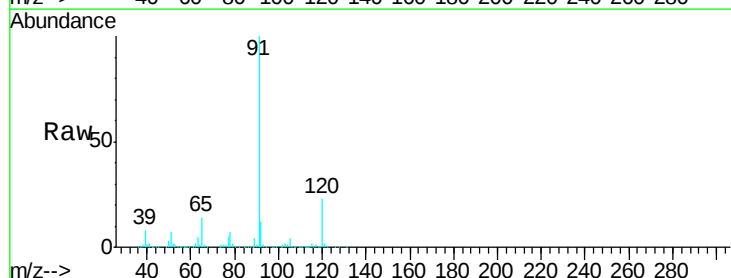
Manual Integrations
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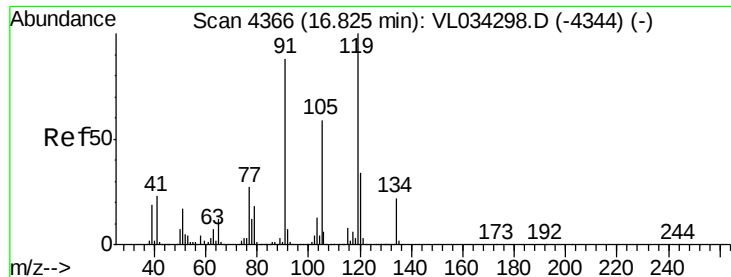
MMDadoda
 10/31/2019 2:12:44 AM



#64
 n-propylbenzene
 Concen: 9.572 ppbv
 RT: 15.63 min Scan# 3993
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 120 Resp: 766066
 Ion Ratio Lower Upper
 120 100
 91 472.6 374.9 562.3





#65

tert-Butylbenzene

Concen: 9.302 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:119 Resp: 2571021

Ion Ratio Lower Upper

119 100

91 87.8 71.4 107.0

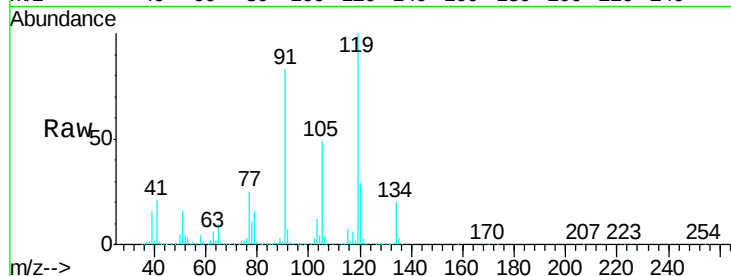
134 19.8 15.9 23.9

Manual Integrations

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MMDadoda

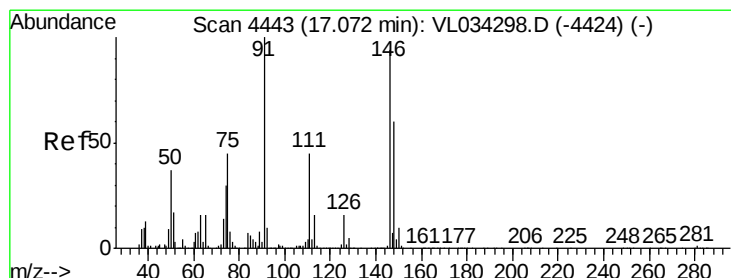
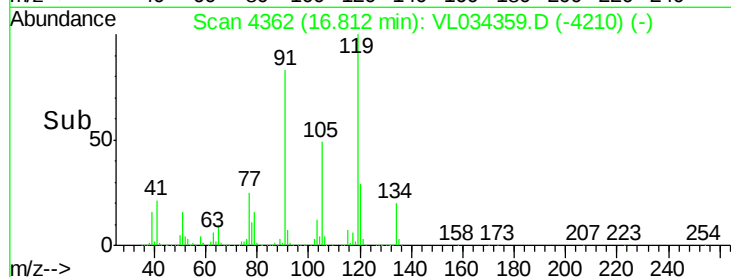
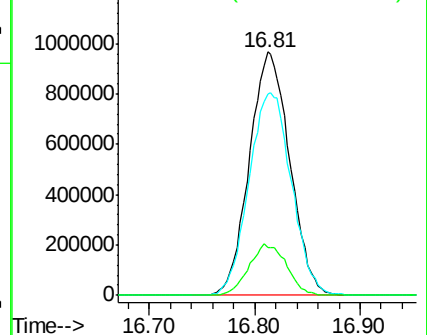
10/31/2019 2:12:44 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.322 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

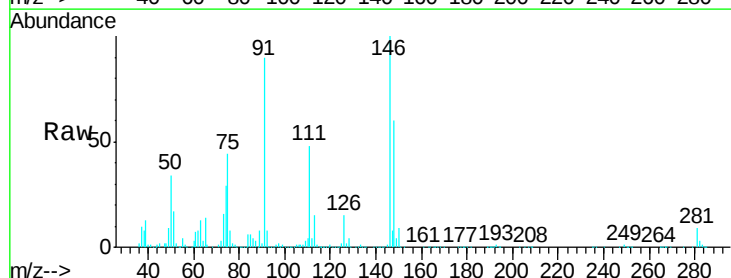
Tgt Ion: 91 Resp: 1017674

Ion Ratio Lower Upper

91 100

126 16.0 12.9 19.3

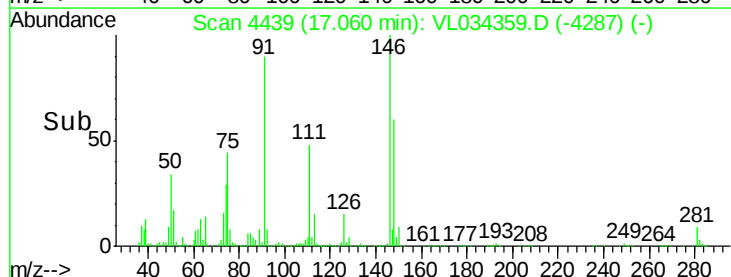
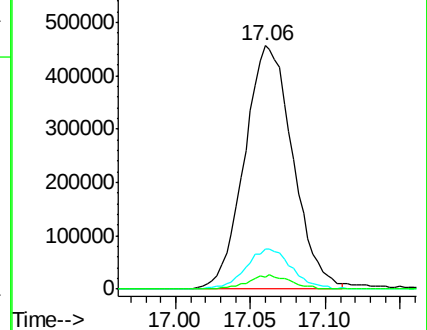
128 5.2 4.3 6.5

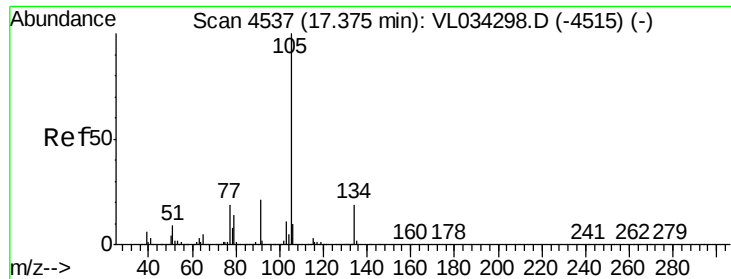


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.183 ppbv

RT: 17.37 min Scan# 4534

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 3571713

Ion Ratio Lower Upper

105 100

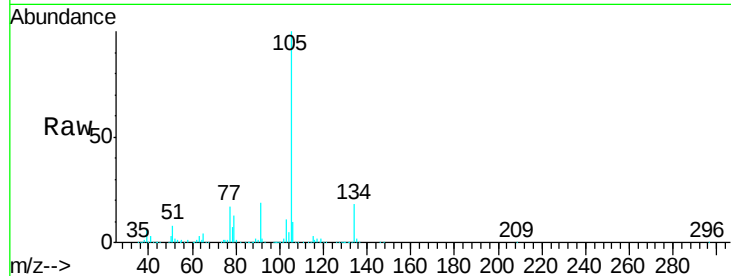
134 18.3 15.4 23.0

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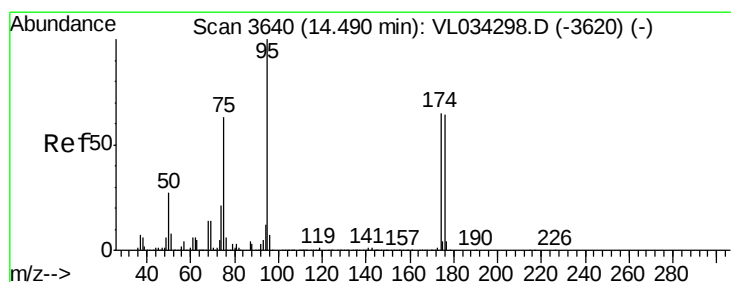
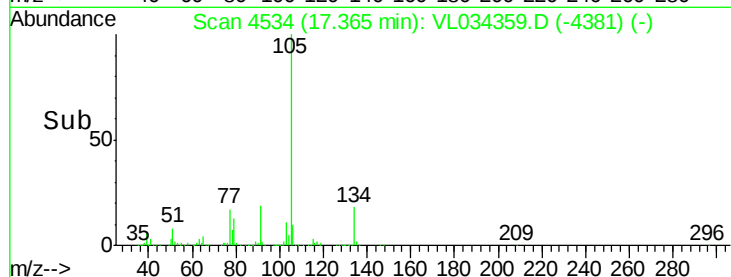
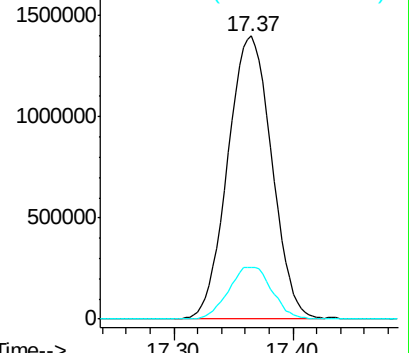
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.854 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

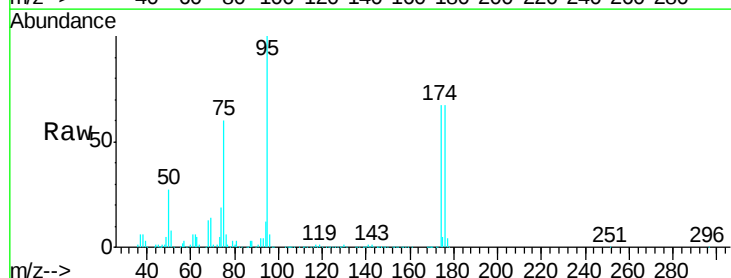
Tgt Ion: 95 Resp: 1634832

Ion Ratio Lower Upper

95 100

174 66.8 52.6 78.8

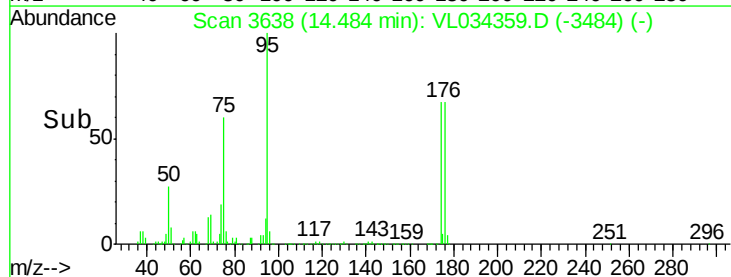
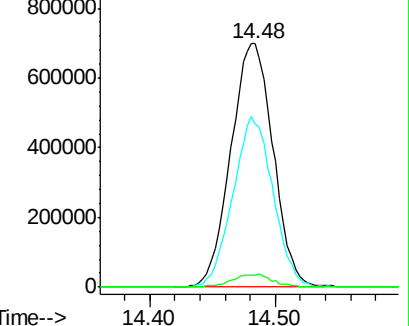
175 5.0 3.8 5.6

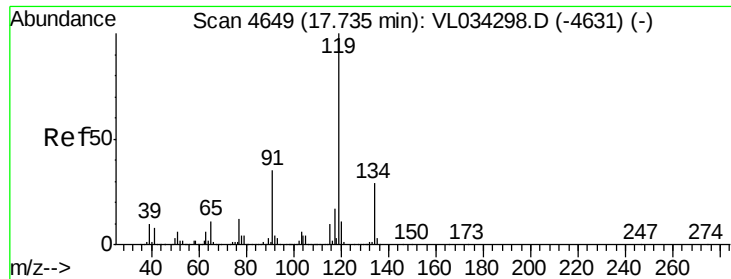


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





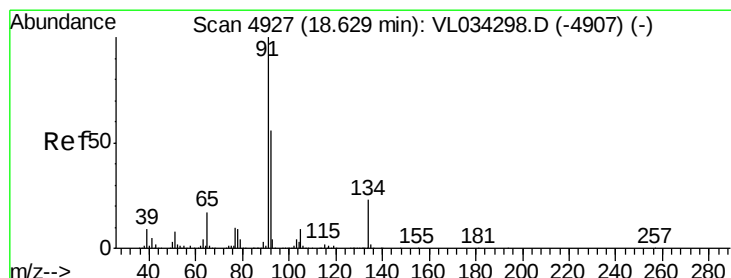
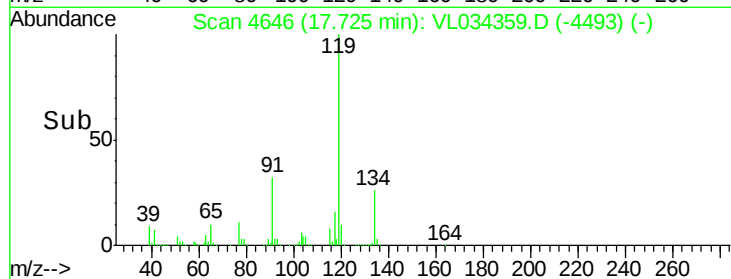
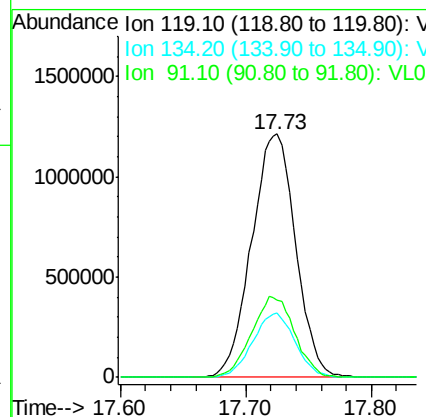
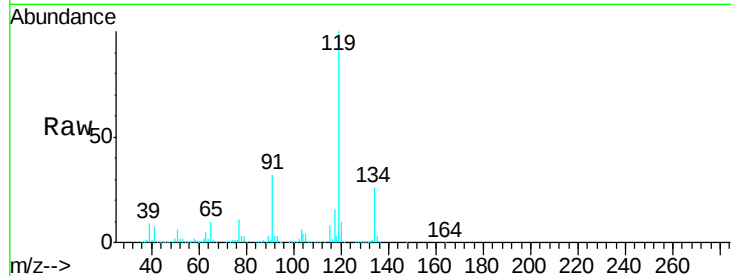
#69
 p-Isopropyltoluene
 Concen: 9.323 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	21.3	31.9
91	32.8	26.6	39.8

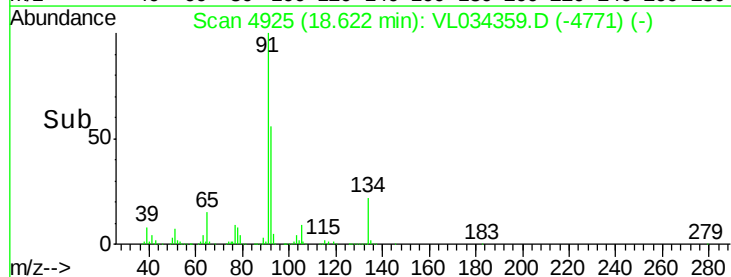
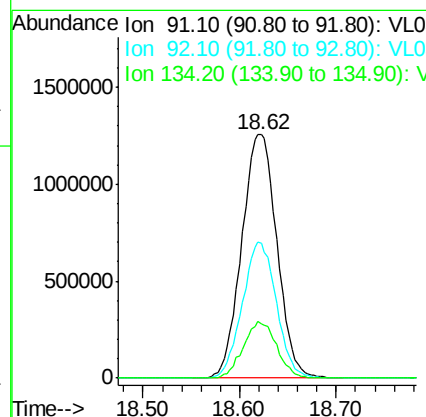
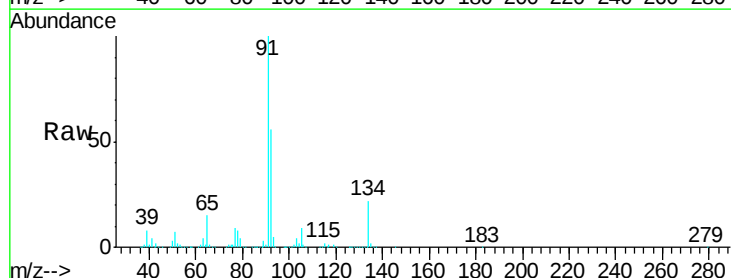
Manual Integrations
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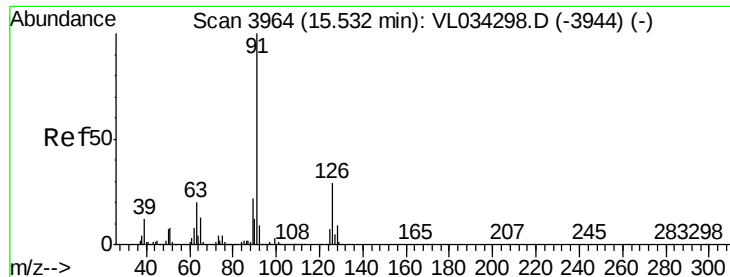
MMDadoda
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#70
 n-Butylbenzene
 Concen: 9.177 ppbv
 RT: 18.62 min Scan# 4925
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.5	66.7
134	22.1	18.2	27.2





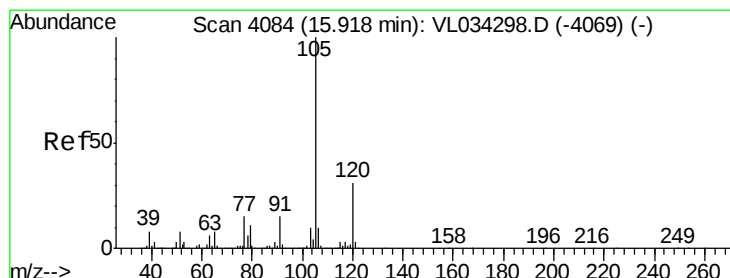
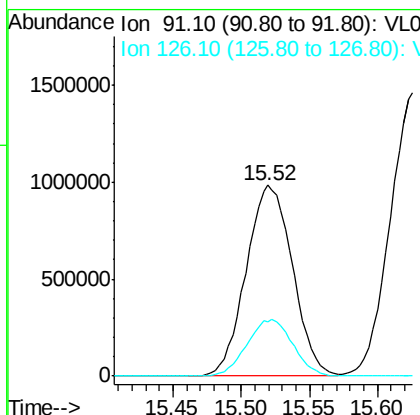
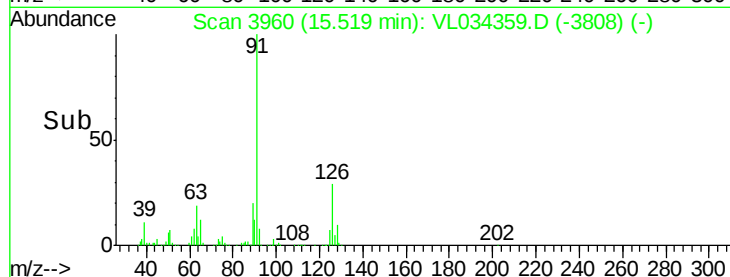
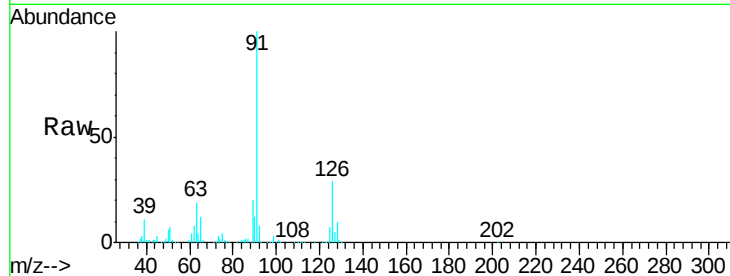
#71
 2-Chlorotoluene
 Concen: 9.604 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 91 Resp: 2322443
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.9 47.5

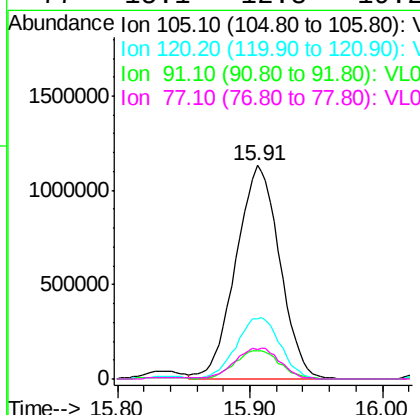
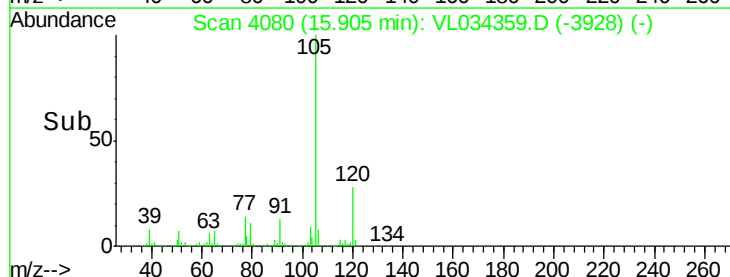
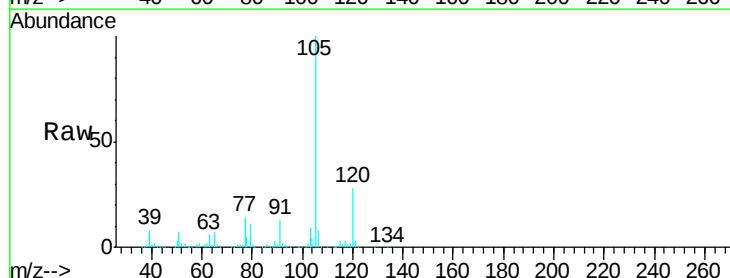
Manual Integrations
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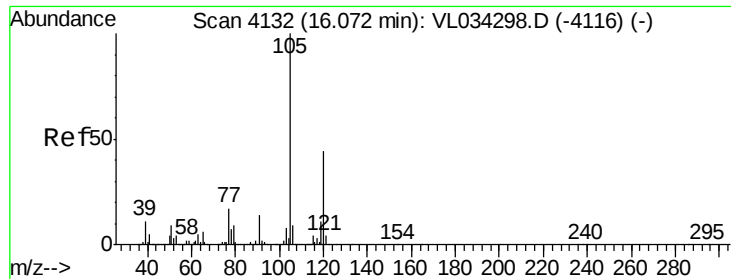
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 10/31/2019 2:12:44 AM



#72
 4-Ethyltoluene
 Concen: 9.770 ppbv
 RT: 15.91 min Scan# 4080
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion: 105 Resp: 2594508
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.8 35.8
 91 14.0 11.2 16.8
 77 15.1 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 9.367 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 2464625

Ion Ratio Lower Upper

105 100

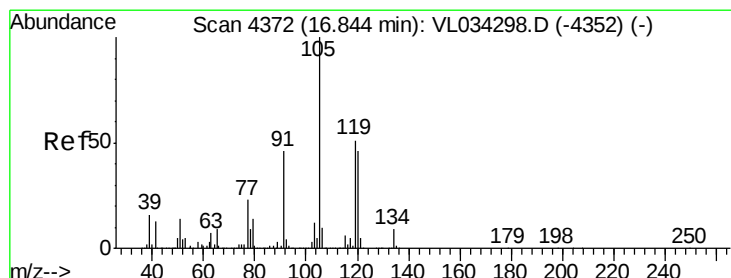
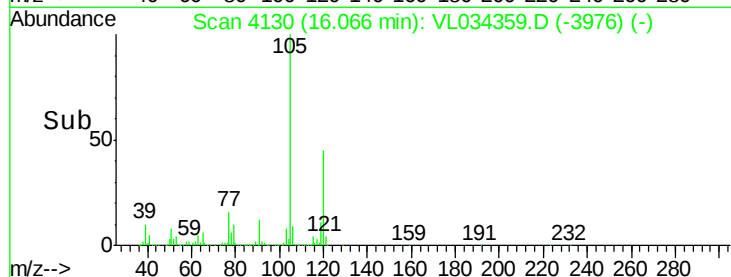
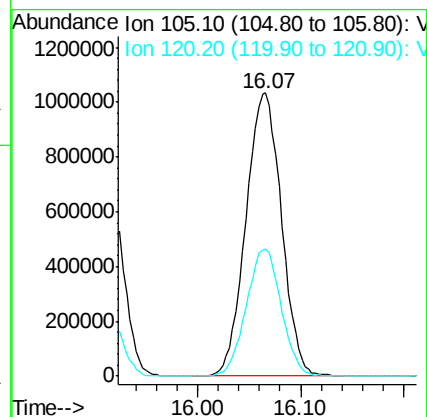
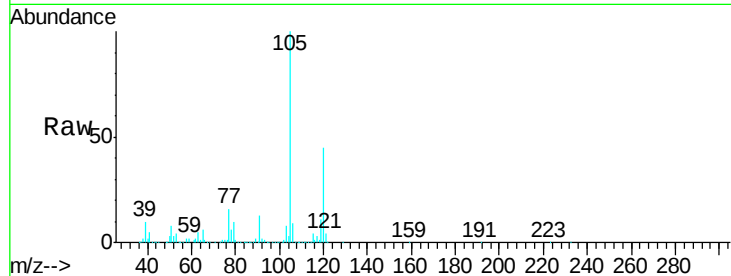
120 44.7 35.2 52.8

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#74

1,2,4-Trimethylbenzene

Concen: 9.111 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Tgt Ion:105 Resp: 2499947

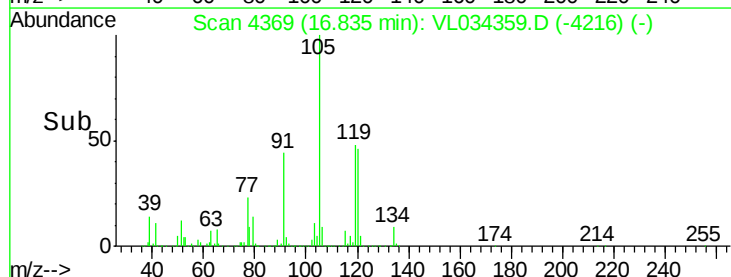
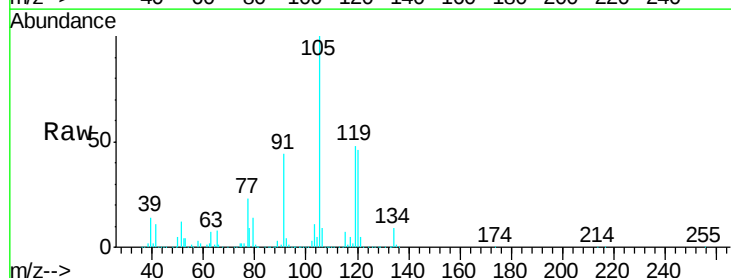
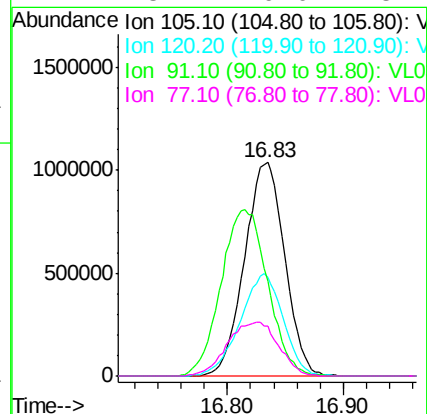
Ion Ratio Lower Upper

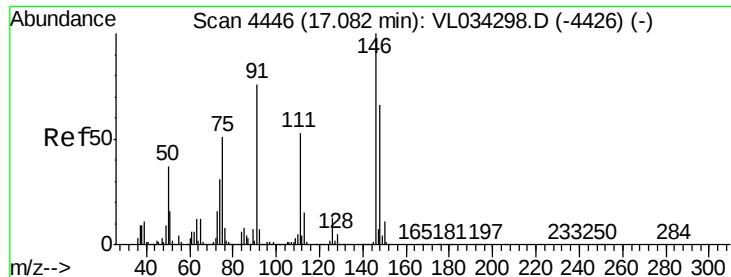
105 100

120 45.7 37.0 55.6

91 43.9 38.2 57.2

77 23.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.653 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1425565

Ion Ratio Lower Upper

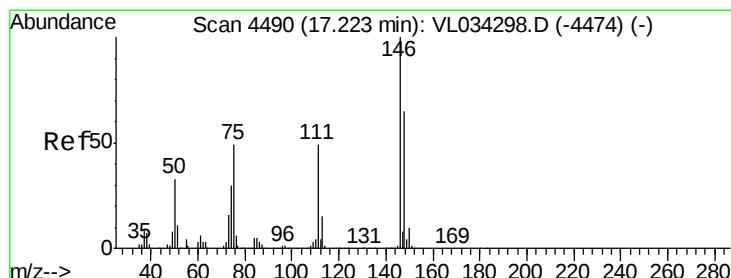
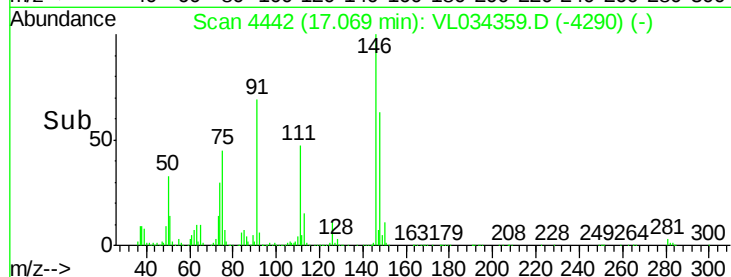
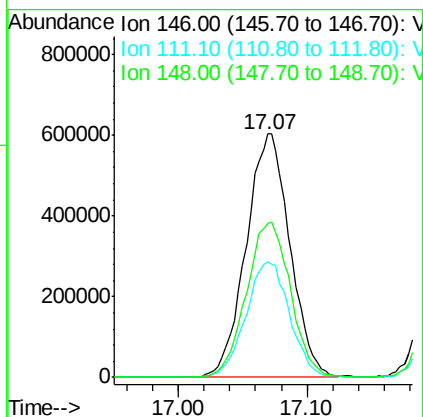
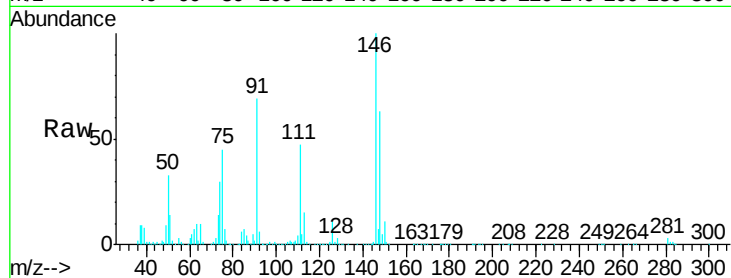
146 100

111 47.6 24.5 73.5

148 64.1 32.3 96.8

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.866 ppbv

RT: 17.21 min Scan# 4487

Delta R.T. -0.01 min

Lab File: VL034359.D

Acq: 25 Oct 2019 10:14

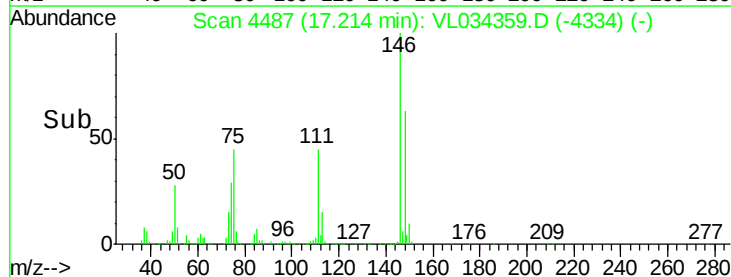
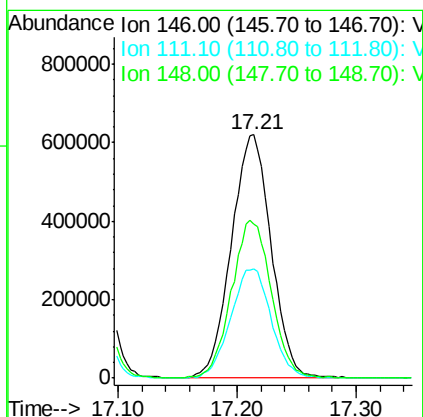
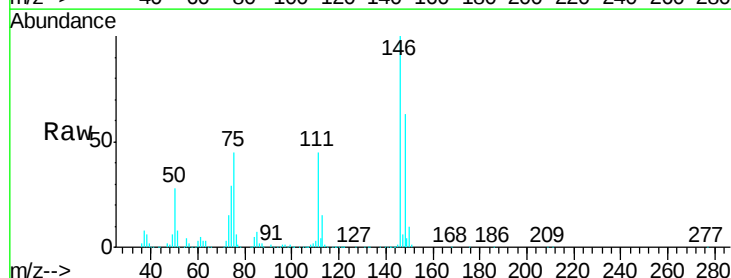
Tgt Ion:146 Resp: 1426682

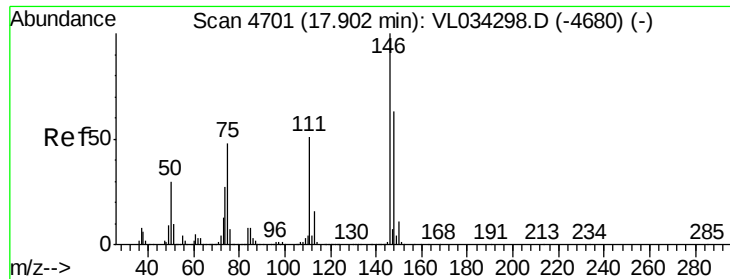
Ion Ratio Lower Upper

146 100

111 46.1 23.9 71.7

148 65.7 33.1 99.2





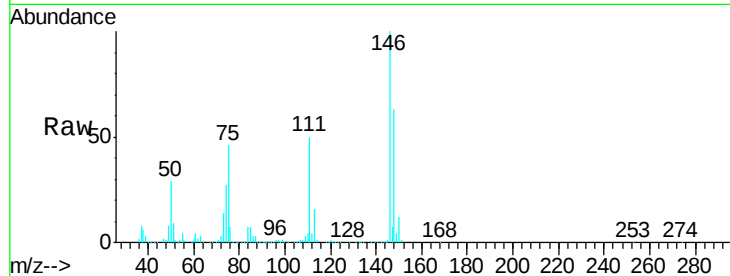
#77
 1,2-Dichlorobenzene
 Concen: 8.607 ppbv m
 RT: 17.89 min Scan# 4698
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

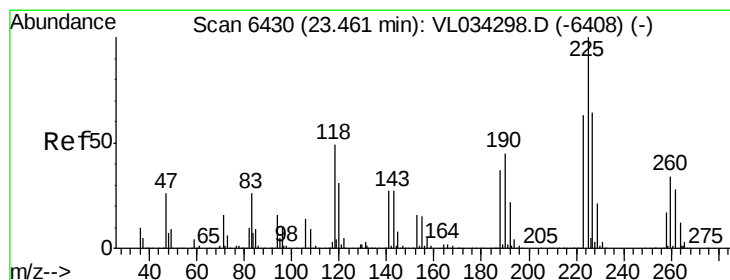
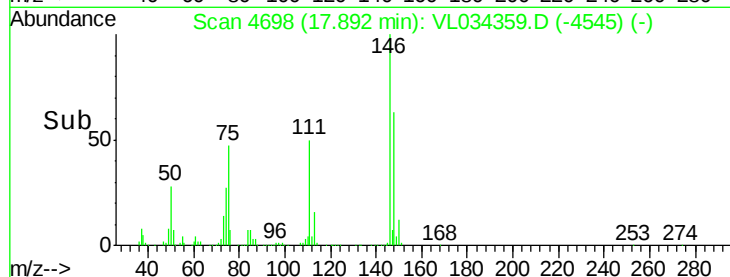
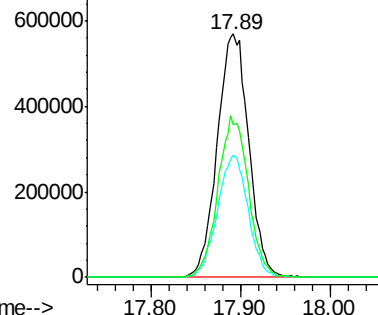
Tgt Ion:146 Resp: 1390148
 Ion Ratio Lower Upper
 146 100
 111 48.8 25.1 75.3
 148 63.9 32.3 96.8

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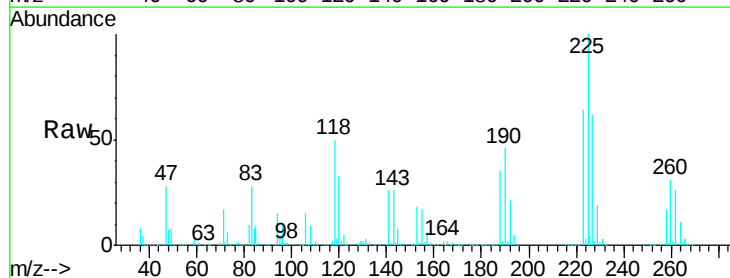


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

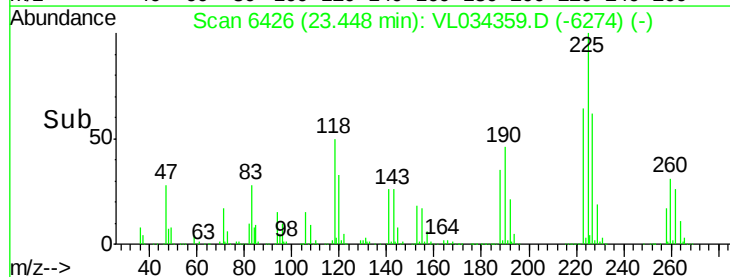
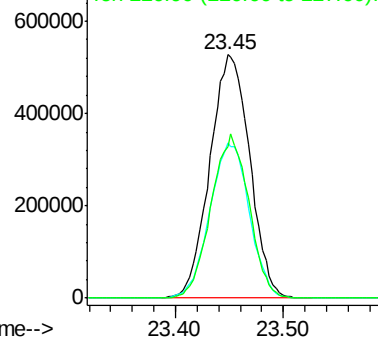


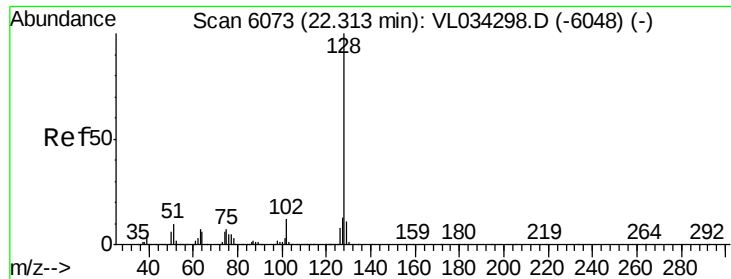
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.165 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Tgt Ion:225 Resp: 1358068
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.8 76.2
 227 64.0 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





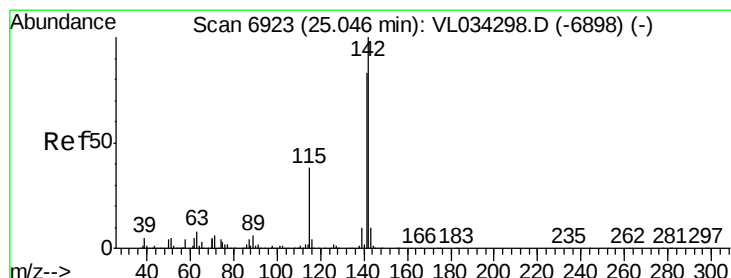
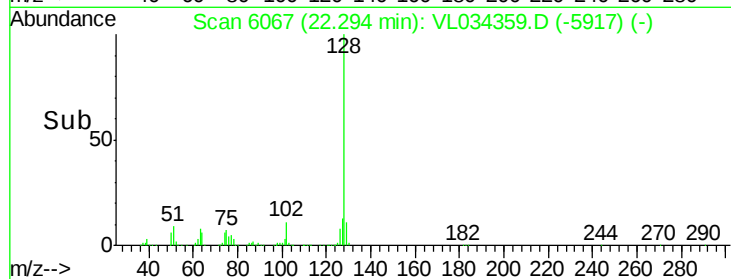
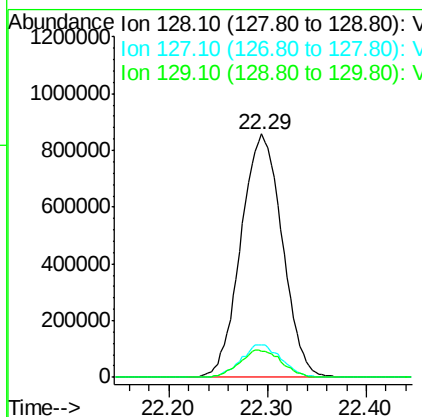
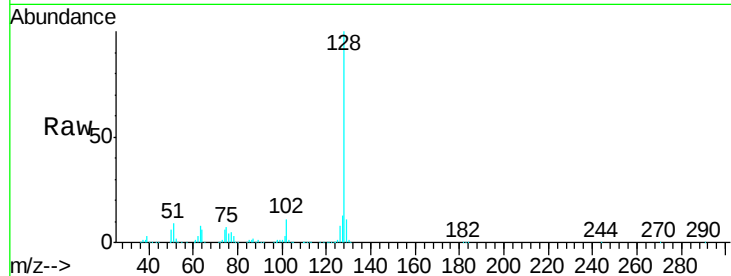
#79
Naphthalene
Concen: 12.412 ppbv
RT: 22.29 min Scan# 6067
Delta R.T. -0.02 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.6	8.9	13.3

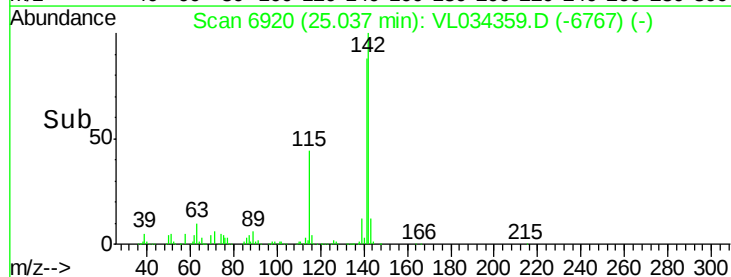
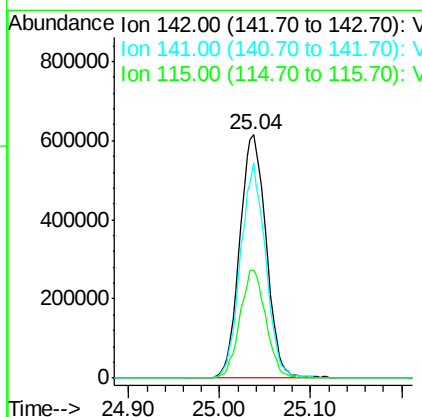
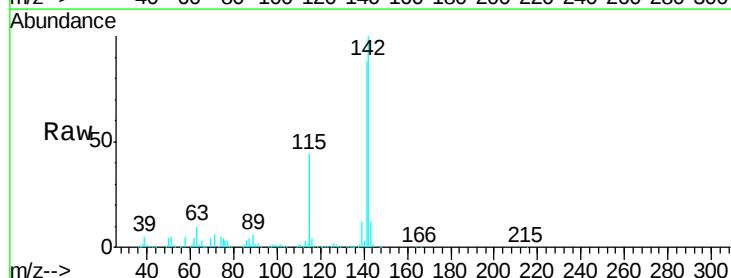
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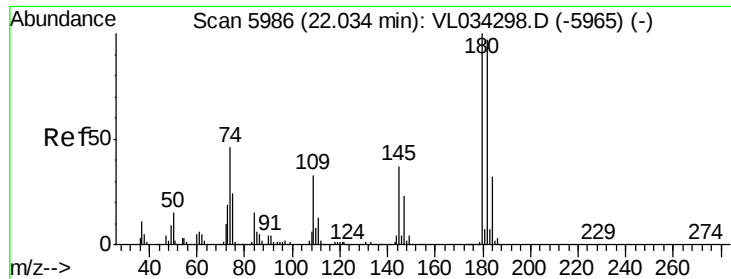
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#80
Naphthalene, 2-methyl-
Concen: 21.415 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. -0.01 min
Lab File: VL034359.D
Acq: 25 Oct 2019 10:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	65.7	98.5
115	43.7	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.094 ppbv
 RT: 22.02 min Scan# 5983
 Delta R.T. -0.01 min
 Lab File: VL034359.D
 Acq: 25 Oct 2019 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1452424
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.8 116.8
 184 30.6 25.4 38.2

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