

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070819\
 Data File : VL034008.D
 Acq On : 8 Jul 2019 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 8:49:51 AM

Quant Time: Jul 09 04:03:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 09
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1091030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2763482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3115663	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2436717	9.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1619993	7.195	ppbv 100
3) Chlorodifluoromethane	2.99	51	1191477	8.844	ppbv 99
4) Chloromethane	3.15	50	776308	10.021	ppbv 94
5) Vinyl Chloride	3.27	62	845206	9.703	ppbv 97
6) Bromomethane	3.49	94	529851	10.314	ppbv 95
7) Chloroethane	3.58	64	318569	10.232	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	2143287	9.764	ppbv 100
9) Propene	3.01	41	458953	9.260	ppbv 97
10) Heptane	8.21	43	1299278	10.470	ppbv 100
11) Trichlorofluoromethane	3.98	101	2296634	9.071	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1665390	9.293	ppbv 99
13) Ethanol	3.63	45	132001	8.573	ppbv 98
14) Bromoethene	3.76	108	712700	10.650	ppbv 99
15) Acetone	3.88	43	1546695	8.432	ppbv 97
16) 1,3-Butadiene	3.34	39	690018	10.653	ppbv 99
17) tert-Butyl alcohol	4.33	59	1385490	9.474	ppbv 99
18) 1,1-Dichloroethene	4.32	96	786349	9.852	ppbv 98
19) Isopropyl Alcohol	3.99	45	1079708	8.769	ppbv 99
20) Methylene Chloride	4.38	84	667839	8.348	ppbv 95
21) Allyl Chloride	4.45	41	1150901	10.063	ppbv 98
22) trans-1,2-Dichloroethene	4.93	96	788083	10.362	ppbv 96
23) Vinyl Acetate	5.12	43	1999767	10.922	ppbv 99
24) 1,1-Dichloroethane	5.06	63	1596702	9.840	ppbv 99
25) Ethyl Acetate	5.74	43	2580927	10.287	ppbv 99
26) Hexane	5.75	57	1184059	10.313	ppbv 98
27) Carbon Disulfide	4.59	76	2033291	10.417	ppbv 100
28) Methyl tert-Butyl Ether	5.08	73	2072001	10.657	ppbv 100
29) Chloroform	5.82	83	2031766	9.417	ppbv 99
30) Cyclohexane	7.21	84	997587	11.251	ppbv 95
31) cis-1,2-Dichloroethene	5.61	61	1210724	10.915	ppbv 96
32) 1,1,1-Trichloroethane	6.59	97	2024416	9.257	ppbv 99
34) 2-Butanone	5.30	43	1554342	10.628	ppbv 99
35) Carbon Tetrachloride	7.10	117	2197032	10.043	ppbv 98
36) Benzene	6.97	78	2373418	10.976	ppbv 98
37) 1,2-Dichloroethane	6.38	62	1560983	9.799	ppbv 100
38) Trichloroethene	7.92	130	1037109	10.779	ppbv 97
39) 1,2-Dichloropropane	7.70	63	847491	10.540	ppbv 94
40) 1,4-Dioxane	7.92	88	377025	10.156	ppbv # 96
41) Tetrahydrofuran	6.12	42	817177	11.393	ppbv 99
42) Bromodichloromethane	7.88	83	2233876	10.451	ppbv 97
43) Methyl Methacrylate	8.10	69	956622	11.660	ppbv 100

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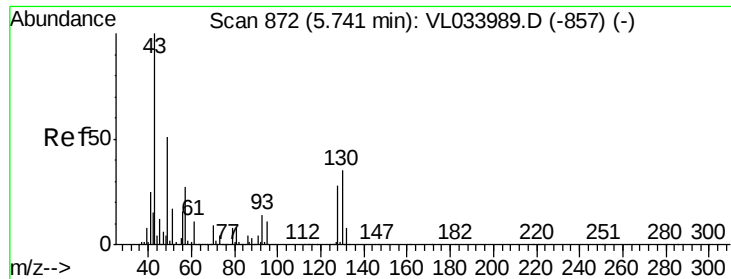
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	3932945	10.537	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1353588	12.617	ppbv	97
46) cis-1,3-Dichloropropene	8.80	75	1481851	11.926	ppbv	94
47) 1,1,2-Trichloroethane	9.58	97	1075925	10.643	ppbv	94
48) Dibromochloromethane	10.42	129	1958088	10.150	ppbv	100
49) Bromoform	13.16	173	1853404	11.246	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2346143	10.810	ppbv	100
51) 2-Hexanone	10.23	43	1963575	11.219	ppbv #	100
52) Tetrachloroethene	11.33	164	1016134	10.918	ppbv	98
53) Toluene	9.91	91	2977137	12.028	ppbv	99
54) 1,2-Dibromoethane	10.72	107	1672916	11.213	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.25	131	1336074	9.595	ppbv	99
57) Chlorobenzene	12.26	112	2343379	9.447	ppbv	97
58) Ethyl Benzene	12.83	91	4086656	10.907	ppbv	97
59) m/p-Xylene	13.11	91	6771475m	19.960	ppbv	
60) o-Xylene	13.81	91	3601805	10.613	ppbv	100
61) Styrene	13.65	104	2727398	12.143	ppbv	99
62) Isopropylbenzene	14.79	105	4837241	9.272	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	2501696	9.523	ppbv	100
64) n-propylbenzene	15.68	120	1231192	9.100	ppbv	98
65) tert-Butylbenzene	16.87	119	4122009	9.291	ppbv	99
66) Benzyl Chloride	17.12	91	2313674	10.193	ppbv	100
67) sec-Butylbenzene	17.42	105	5767941	9.262	ppbv	100
69) p-Isopropyltoluene	17.78	119	4795864	9.341	ppbv	100
70) n-Butylbenzene	18.68	91	4957409	9.191	ppbv	99
71) 2-Chlorotoluene	15.58	91	3649054	9.557	ppbv	99
72) 4-Ethyltoluene	15.96	105	3972310	9.114	ppbv	99
73) 1,3,5-Trimethylbenzene	16.12	105	3792959	9.353	ppbv	98
74) 1,2,4-Trimethylbenzene	16.89	105	4009443	8.927	ppbv	96
75) 1,3-Dichlorobenzene	17.13	146	2378527	8.337	ppbv	100
76) 1,4-Dichlorobenzene	17.27	146	2378135	8.850	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2289763	8.667	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2240545	9.967	ppbv	99
79) Naphthalene	22.37	128	3755157	9.944	ppbv	99
80) Naphthalene, 2-methyl-	25.08	142	2119450	15.424	ppbv	97
81) 1,2,4-Trichlorobenzene	22.09	180	2233316	9.209	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

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VSTDCCC010

Tot Ion: 49 Resp: 1091030

Ion Ratio Lower Upper

49 100

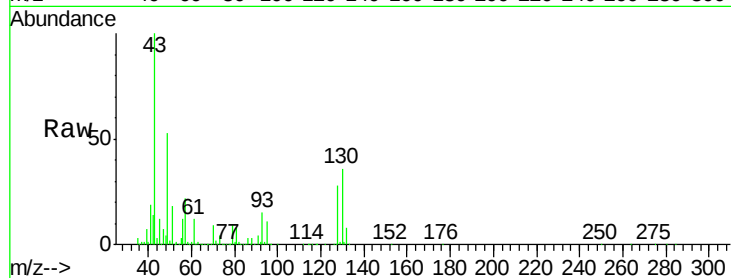
128 55.6 27.9 83.6

130 72.6 35.8 107.4

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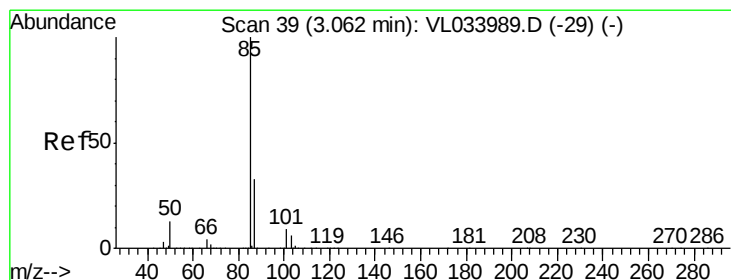
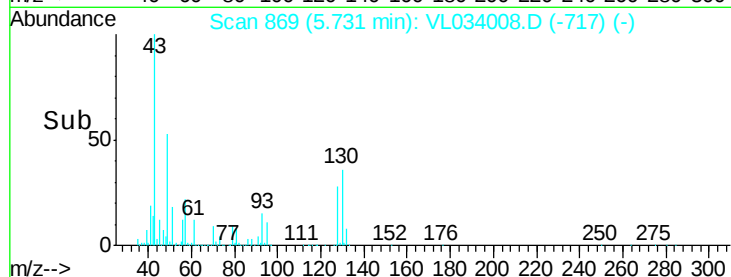
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.73

Time-->



#2

Dichlorodifluoromethane

Concen: 7.195 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL034008.D

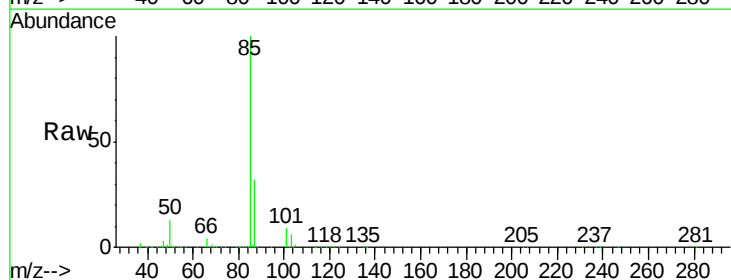
Acq: 8 Jul 2019 11:05

Tgt Ion: 85 Resp: 1619993

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0

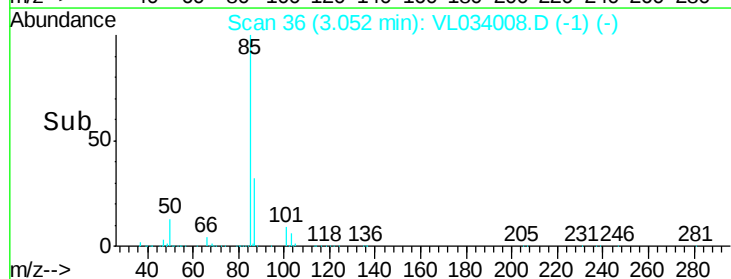


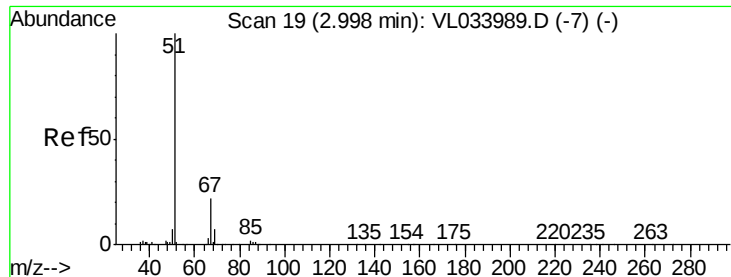
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 8.844 ppbv

RT: 2.99 min Scan# 17

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tot Ion: 51 Resp: 1191477

Ion Ratio Lower Upper

51 100

67 22.2 17.3 25.9

Instrument :

MSVOA_L

ClientSampleId :

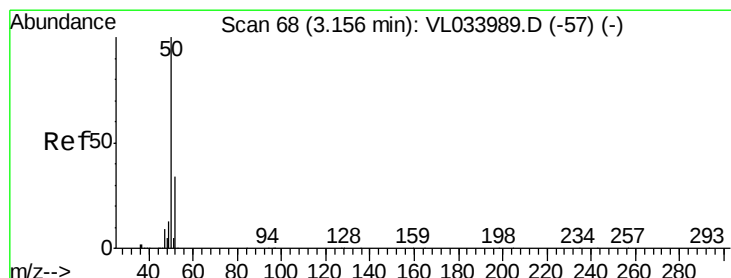
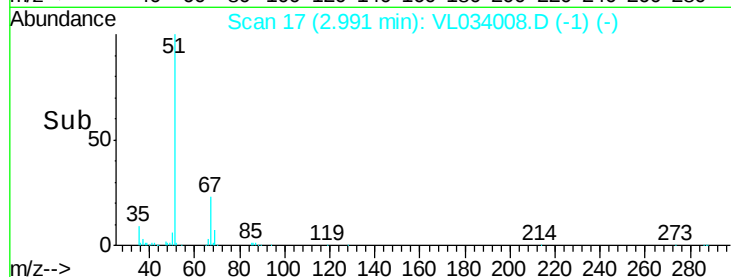
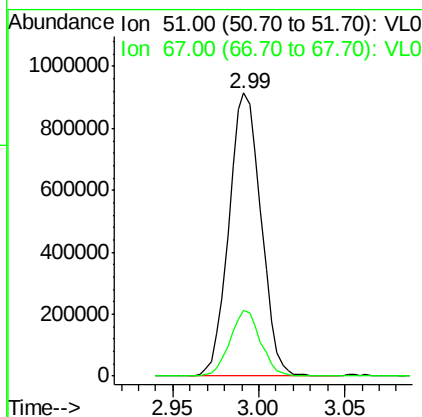
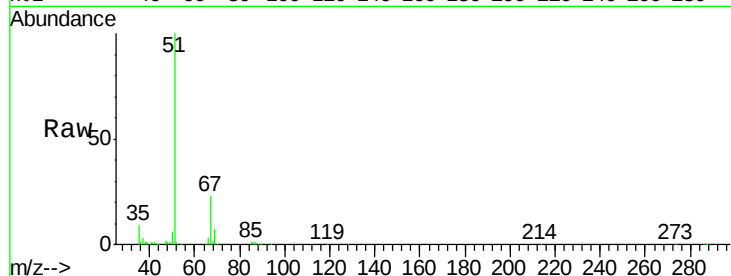
VSTDCCC010

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#4

Chloromethane

Concen: 10.021 ppbv

RT: 3.15 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL034008.D

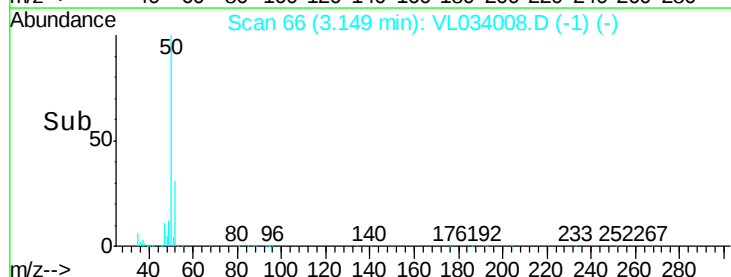
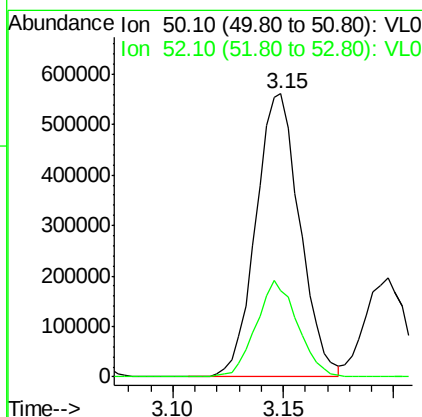
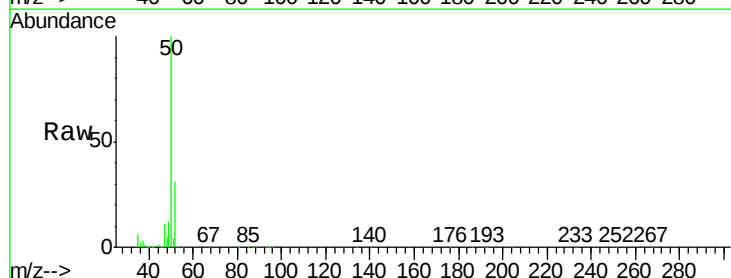
Acq: 8 Jul 2019 11:05

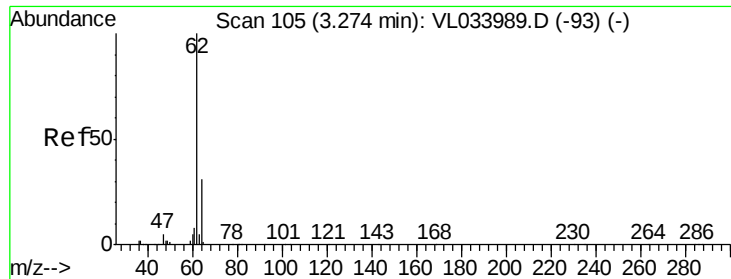
Tgt Ion: 50 Resp: 776308

Ion Ratio Lower Upper

50 100

52 30.6 27.4 41.0





#5

Vinyl Chloride

Concen: 9.703 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 845206

Ion Ratio Lower Upper

62 100

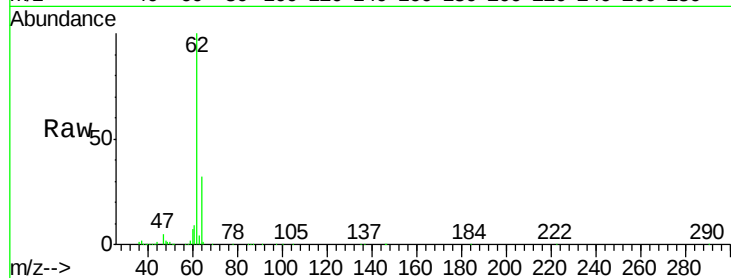
64 31.9 24.4 36.6

Manual Integrations

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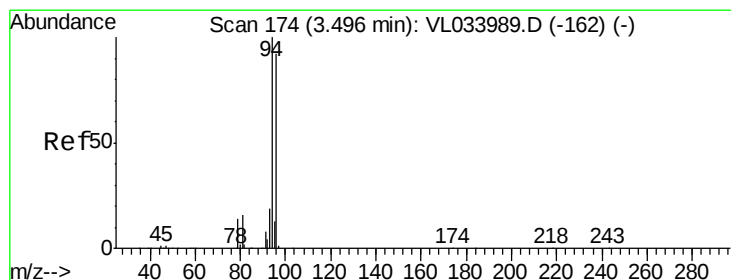
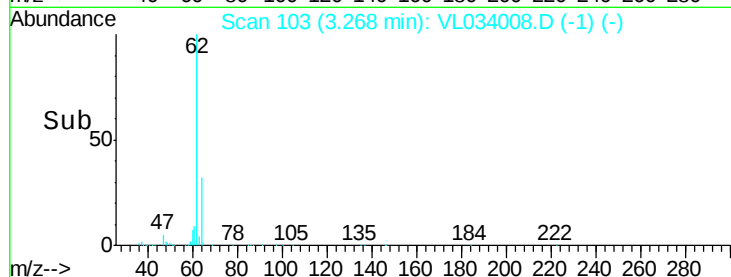
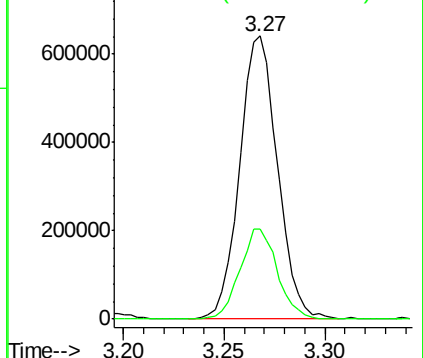
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.314 ppbv

RT: 3.49 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL034008.D

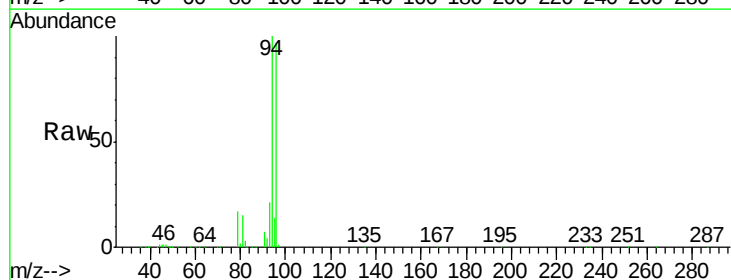
Acq: 8 Jul 2019 11:05

Tgt Ion: 94 Resp: 529851

Ion Ratio Lower Upper

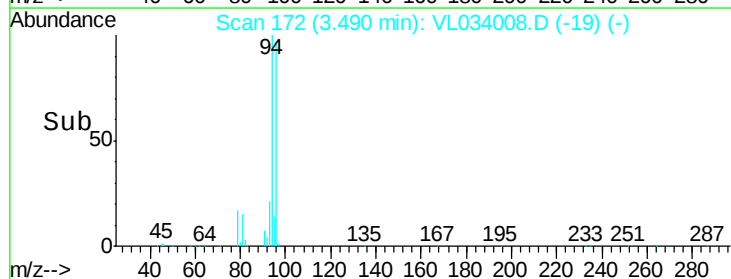
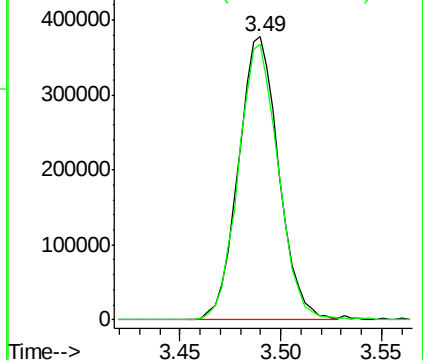
94 100

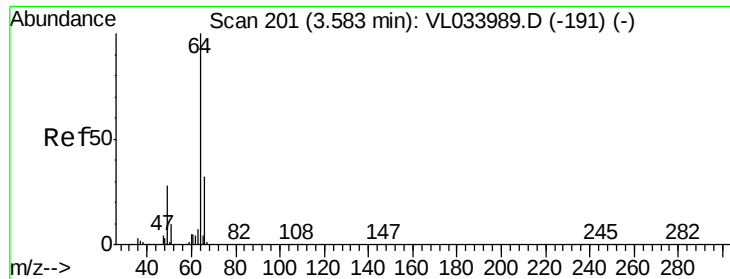
96 97.5 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.232 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 318569

Ion Ratio Lower Upper

64 100

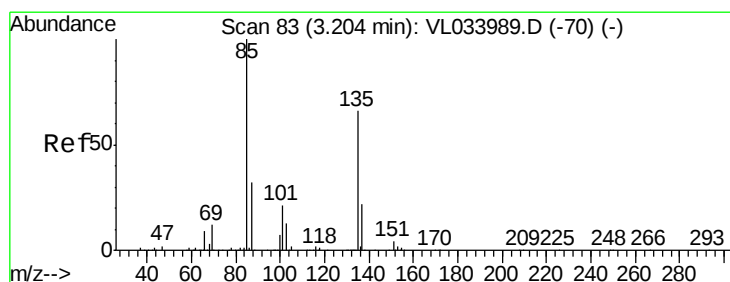
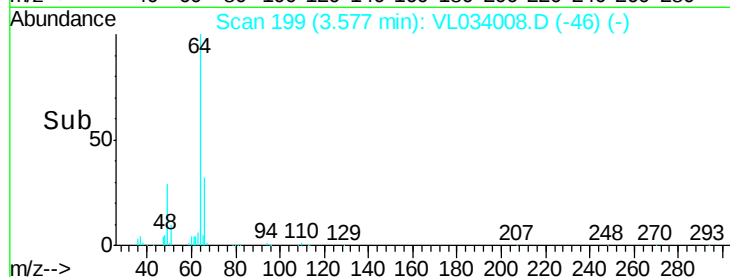
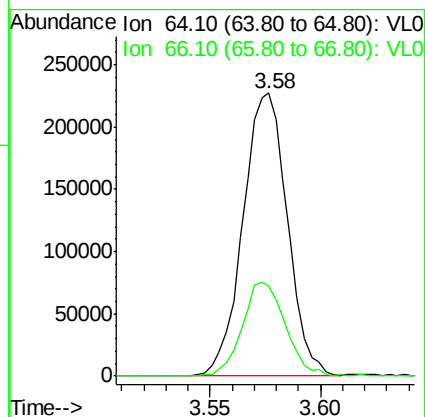
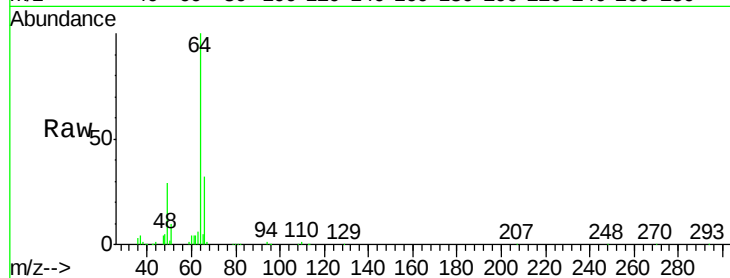
66 31.7 25.3 37.9

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#8

Dichlorotetrafluoroethane

Concen: 9.764 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034008.D

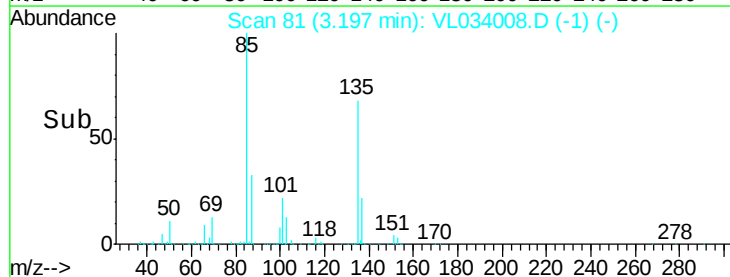
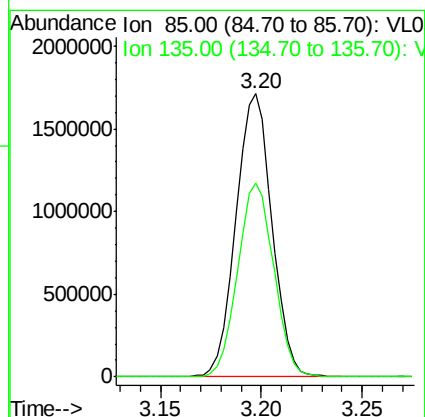
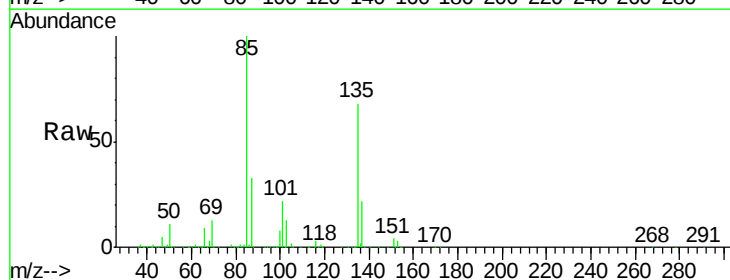
Acq: 8 Jul 2019 11:05

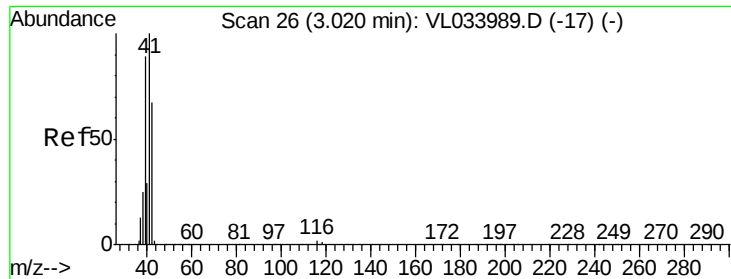
Tgt Ion: 85 Resp: 2143287

Ion Ratio Lower Upper

85 100

135 69.0 55.0 82.4





#9

Propene

Concen: 9.260 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 458953

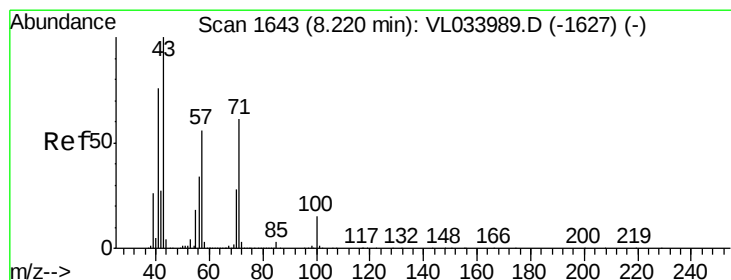
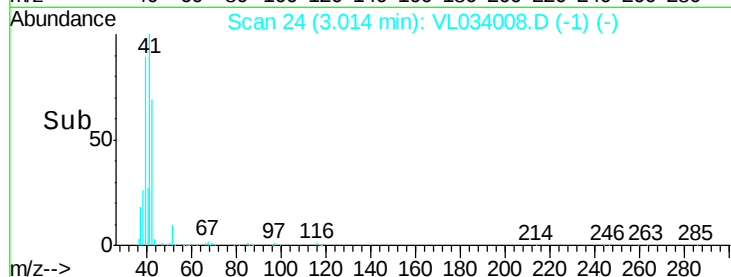
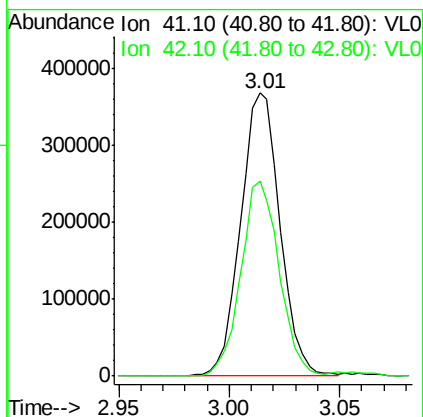
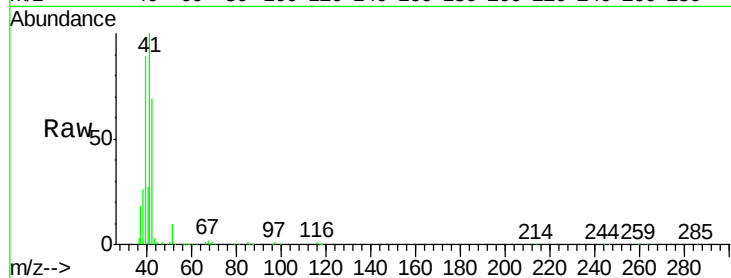
Ion Ratio Lower Upper

41 100

42 68.5 57.1 85.7

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#10

Heptane

Concen: 10.470 ppbv

RT: 8.21 min Scan# 1641

Delta R.T. -0.01 min

Lab File: VL034008.D

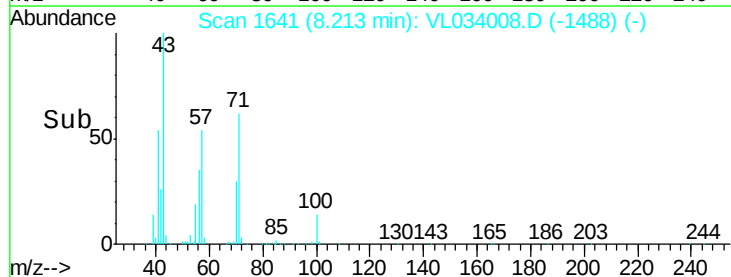
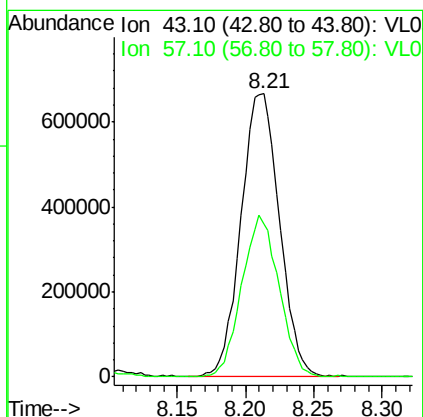
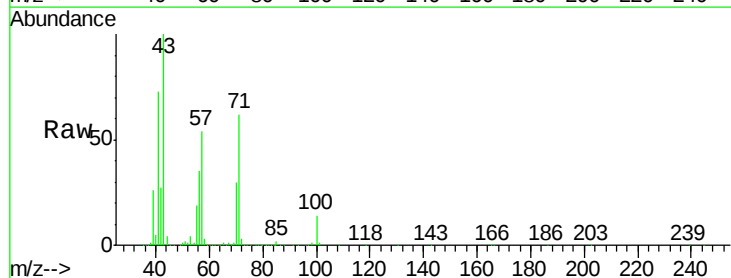
Acq: 8 Jul 2019 11:05

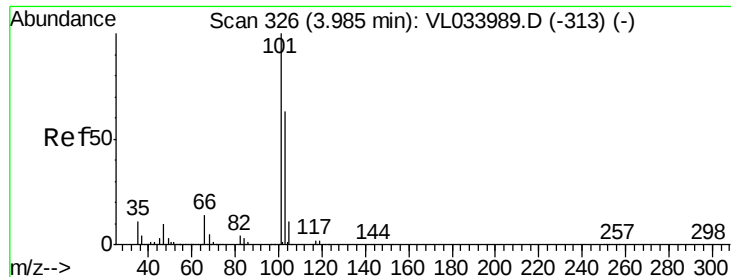
Tgt Ion: 43 Resp: 1299278

Ion Ratio Lower Upper

43 100

57 55.8 44.6 66.8





#11

Trichlorofluoromethane

Concen: 9.071 ppbv

RT: 3.98 min Scan# 323

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

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Tot Ion:101 Resp: 2296634

Ion Ratio Lower Upper

101 100

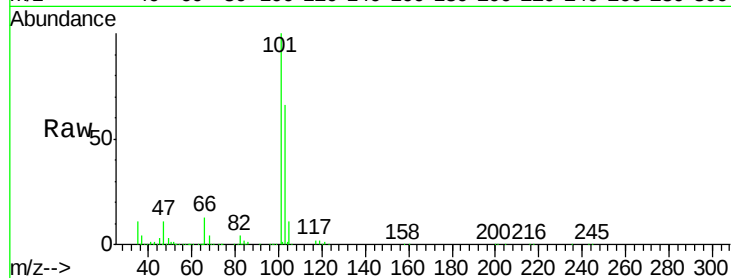
103 65.6 50.8 76.2

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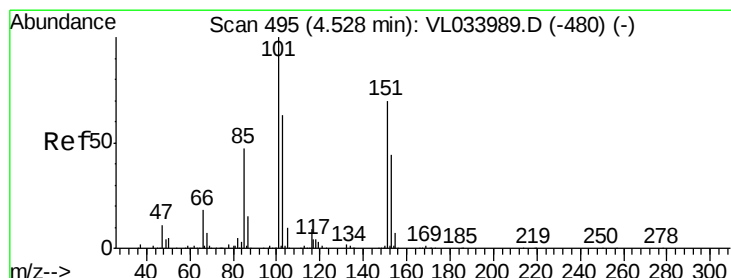
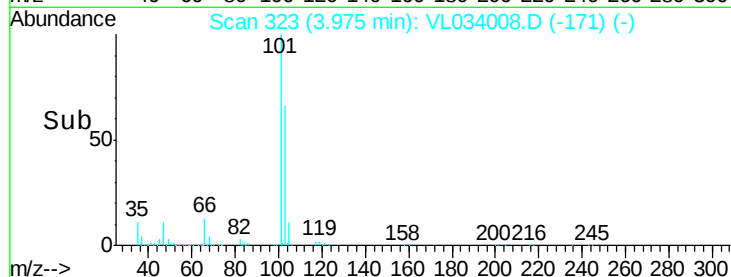
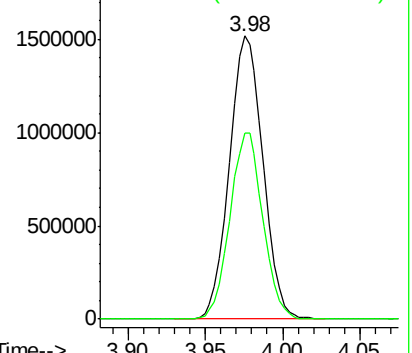
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.293 ppbv

RT: 4.53 min Scan# 494

Delta R.T. -0.00 min

Lab File: VL034008.D

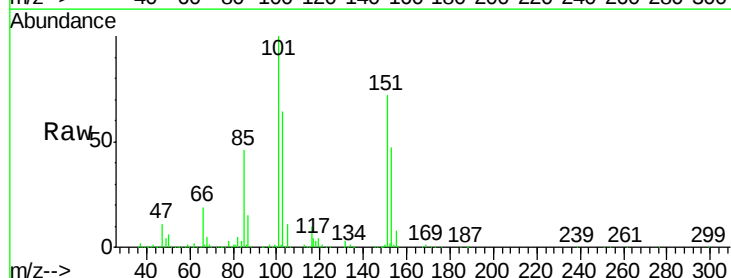
Acq: 8 Jul 2019 11:05

Tgt Ion:101 Resp: 1665390

Ion Ratio Lower Upper

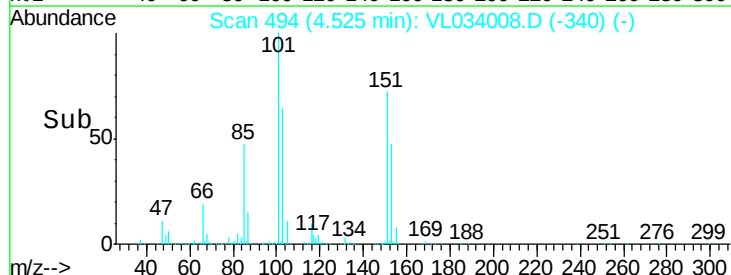
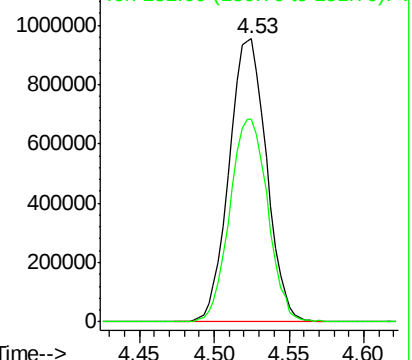
101 100

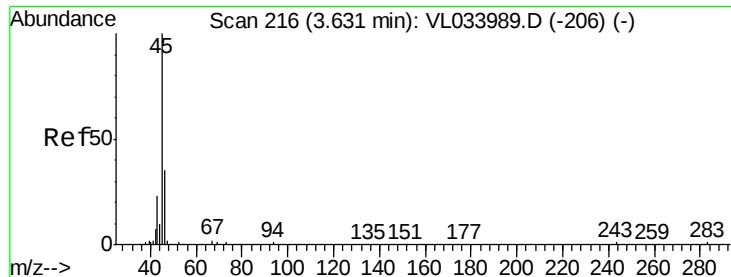
151 72.7 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





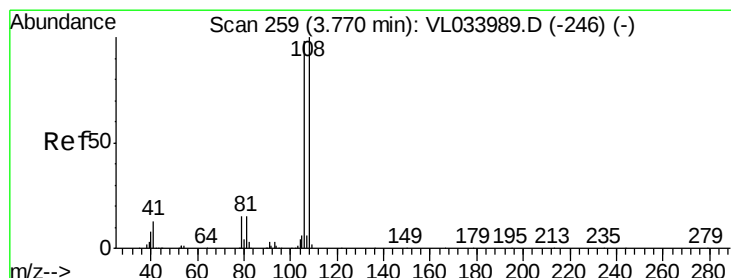
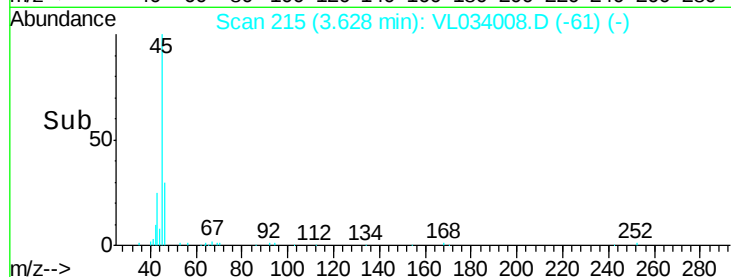
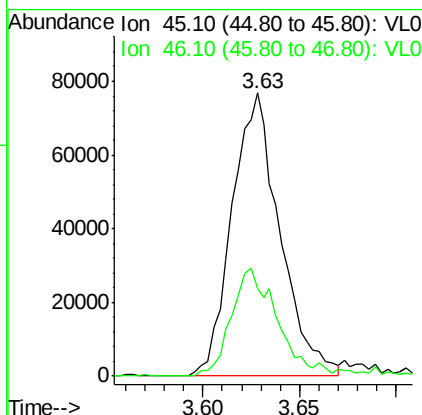
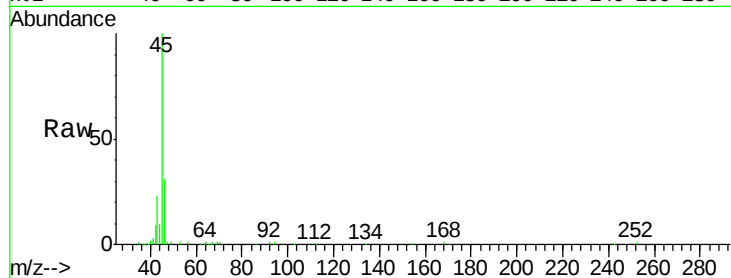
#13
Ethanol
Concen: 8.573 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
132001	100	39.4		16.2	64.6

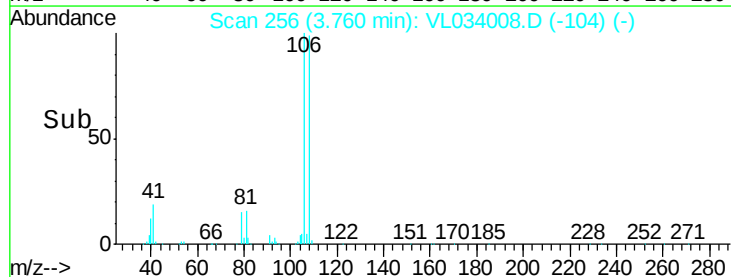
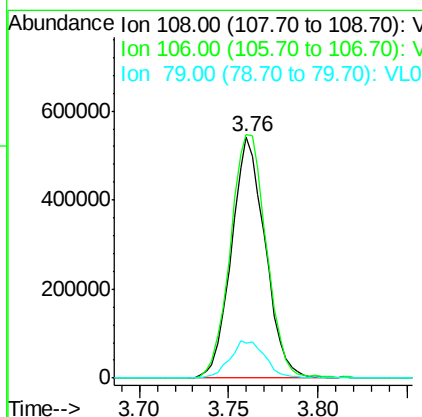
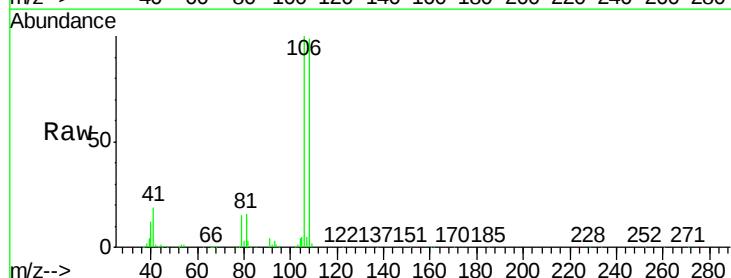
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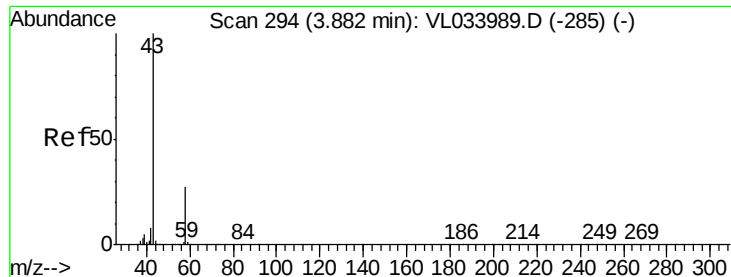
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#14
Bromoethene
Concen: 10.650 ppbv
RT: 3.76 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion	108	106	79	Ratio	Lower	Upper
712700	100	108.1	16.5		85.6	128.4
					14.0	21.0





#15

Acetone

Concen: 8.432 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1546695

Ion Ratio Lower Upper

43 100

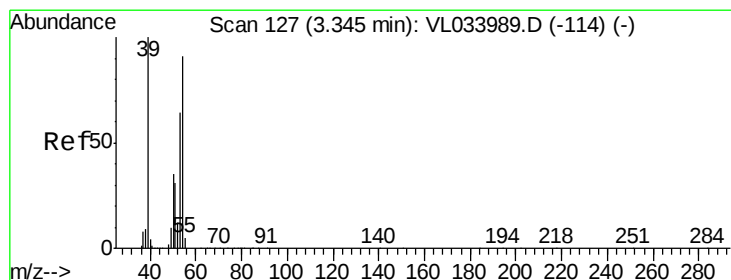
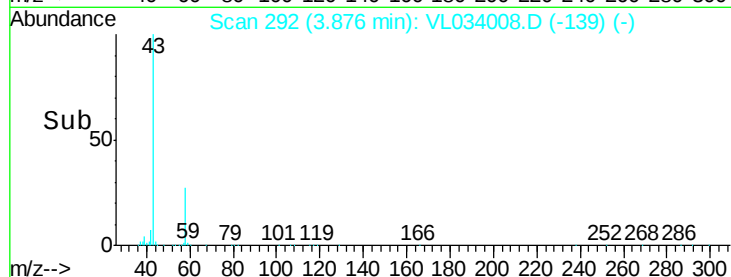
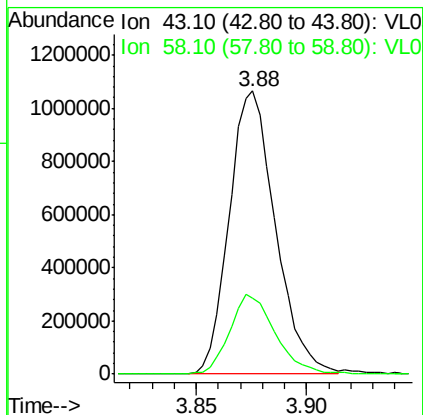
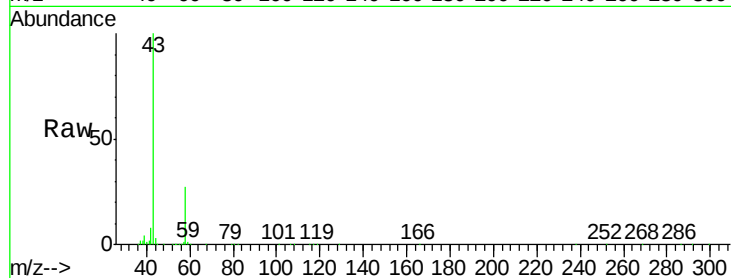
58 28.0 21.4 32.0

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#16

1,3-Butadiene

Concen: 10.653 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.01 min

Lab File: VL034008.D

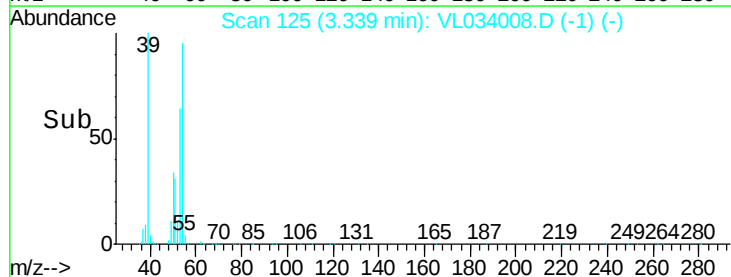
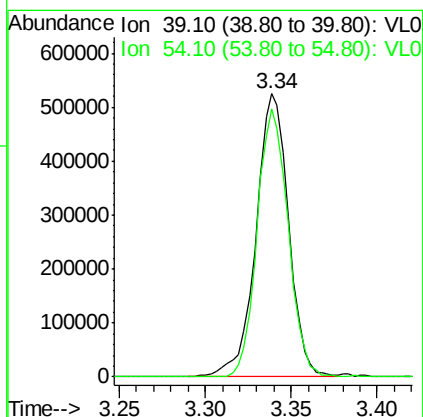
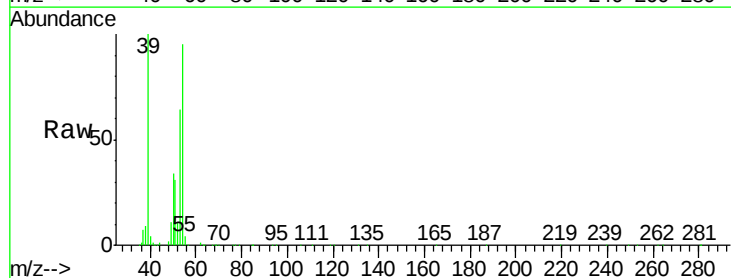
Acq: 8 Jul 2019 11:05

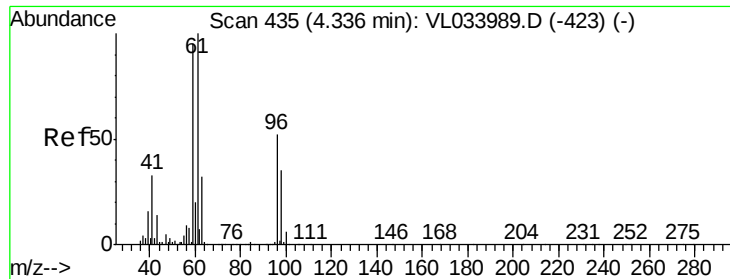
Tgt Ion: 39 Resp: 690018

Ion Ratio Lower Upper

39 100

54 90.3 71.4 107.2





#17

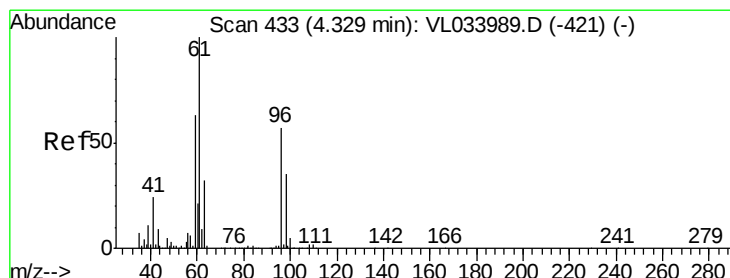
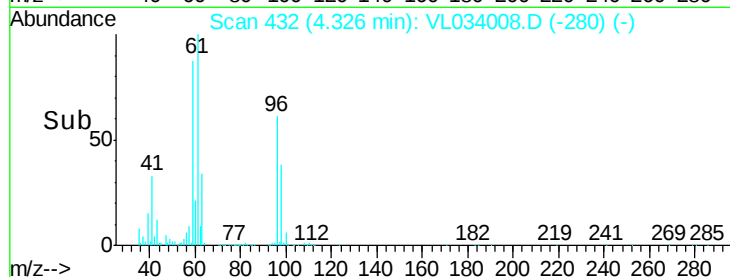
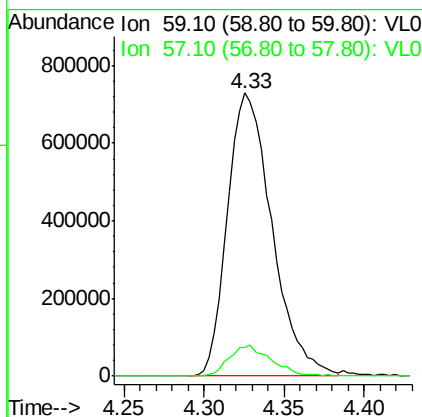
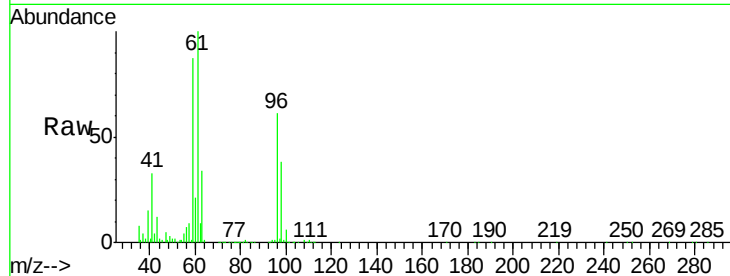
tert-Butyl alcohol
Concen: 9.474 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1385490
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

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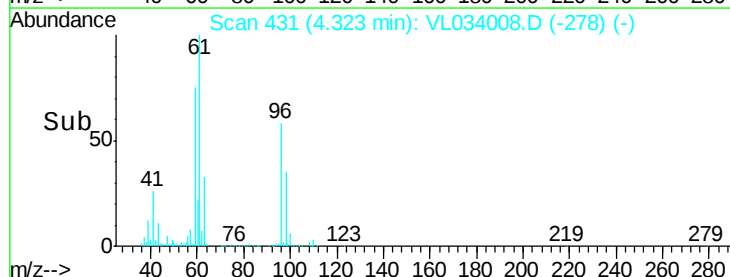
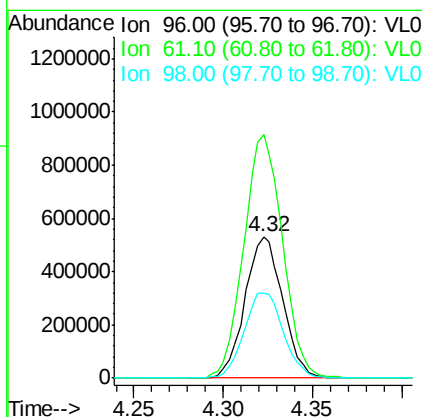
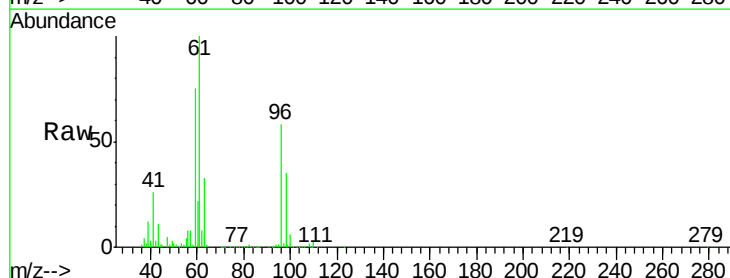
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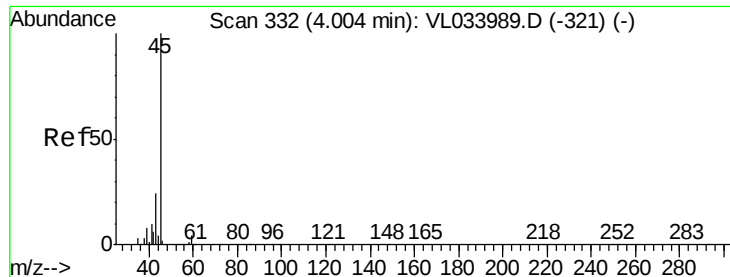


#18

1,1-Dichloroethene
Concen: 9.852 ppbv
RT: 4.32 min Scan# 431
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 96 Resp: 786349
Ion Ratio Lower Upper
96 100
61 171.9 139.4 209.0
98 60.4 49.4 74.0





#19

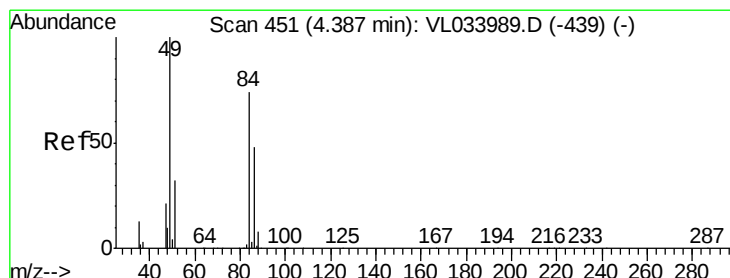
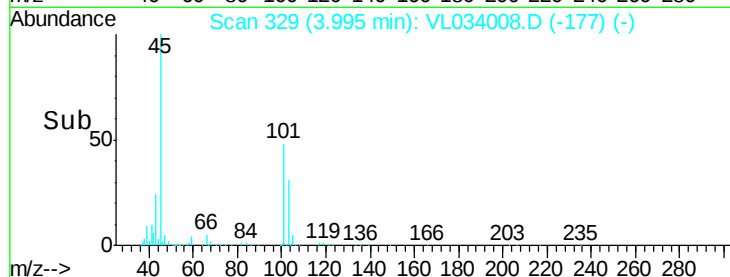
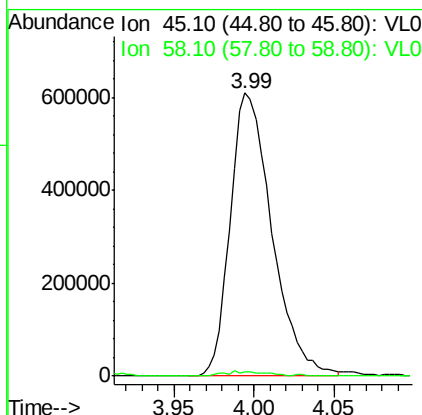
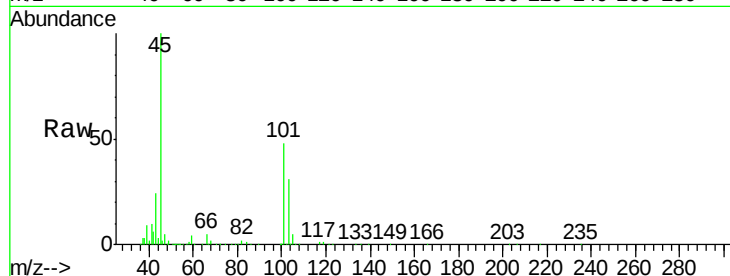
Isopropyl Alcohol
 Concen: 8.769 ppbv
 RT: 3.99 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 45 Resp: 1079708
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.7 2.5

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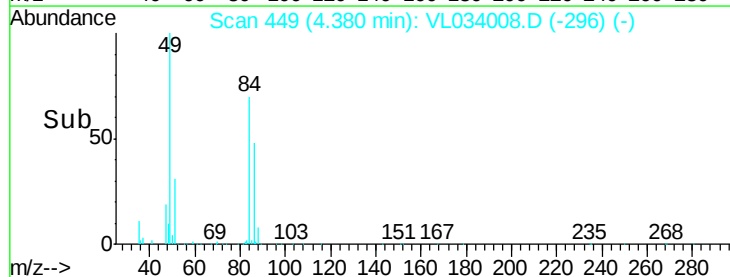
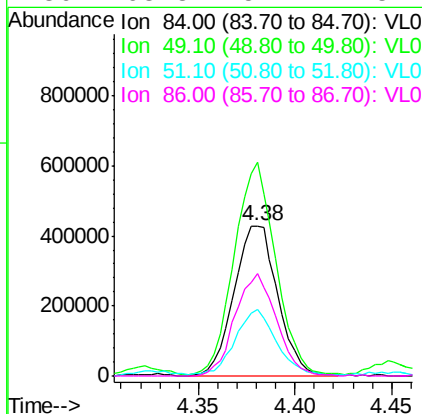
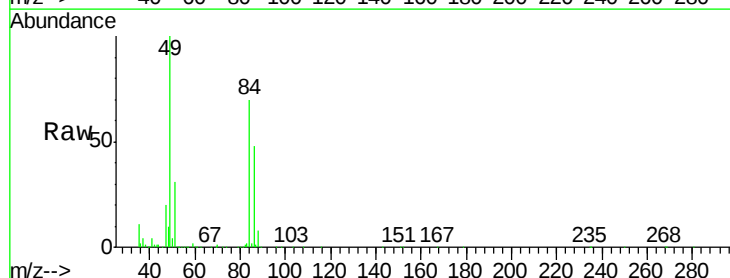
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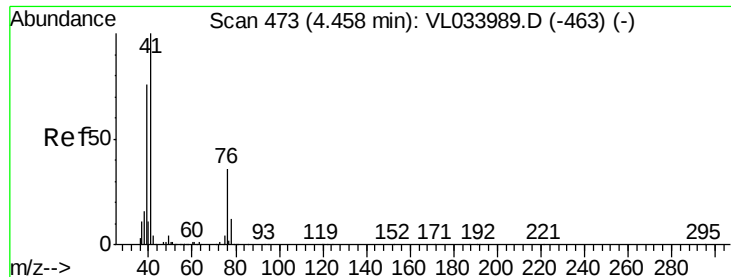


#20

Methylene Chloride
 Concen: 8.348 ppbv
 RT: 4.38 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion: 84 Resp: 667839
 Ion Ratio Lower Upper
 84 100
 49 141.7 107.6 161.4
 51 43.6 35.0 52.6
 86 68.8 52.1 78.1





#21

Allvl Chloride

Concen: 10.063 ppbv

RT: 4.45 min Scan# 470

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

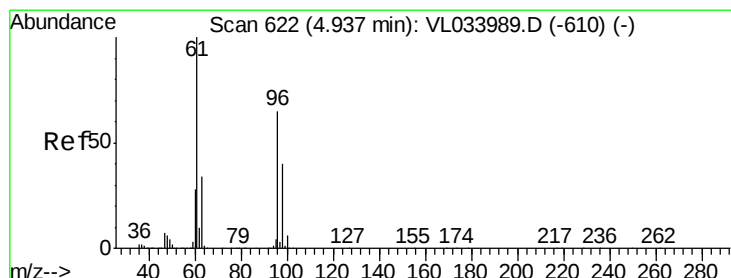
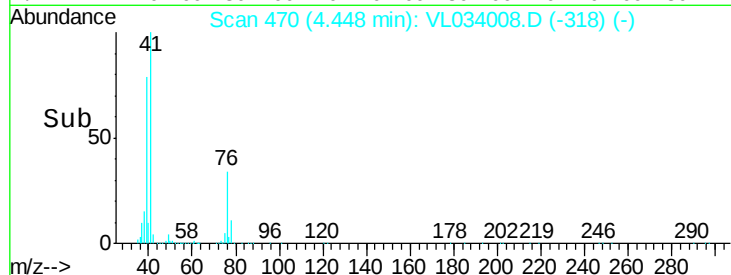
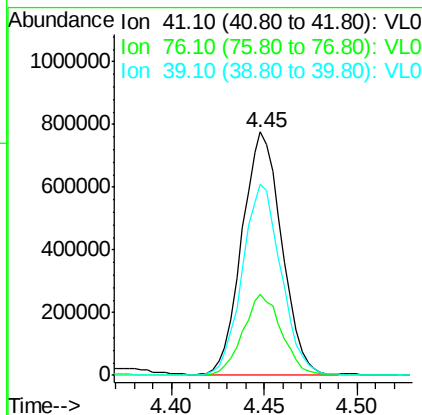
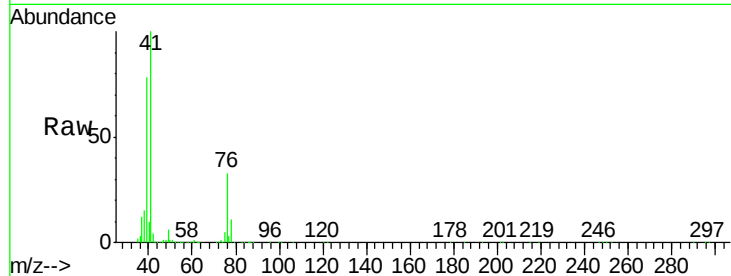
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	1150901
Ion	Ratio	Lower	Upper
41	100		
76	32.6	26.8	40.2
39	76.9	63.1	94.7

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#22

trans-1,2-Dichloroethene

Concen: 10.362 ppbv

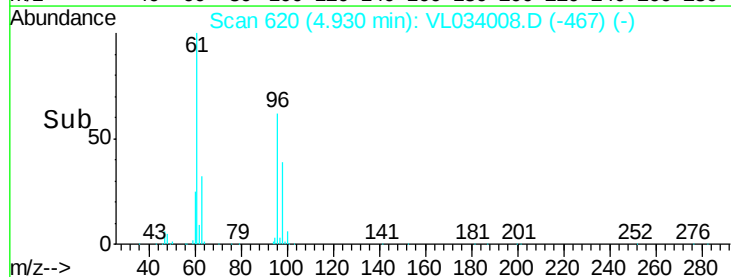
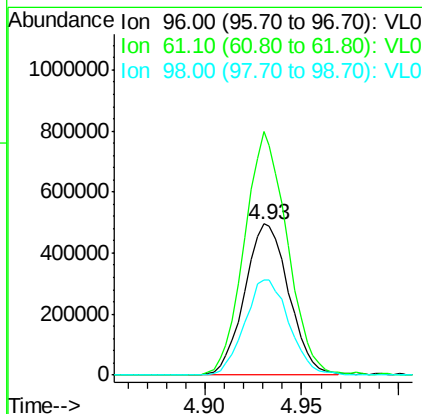
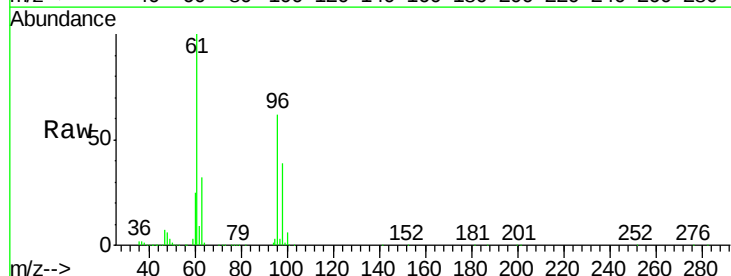
RT: 4.93 min Scan# 620

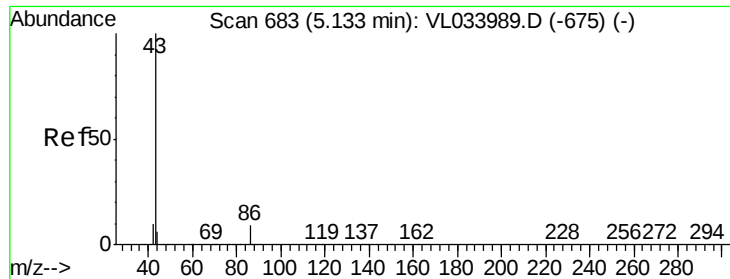
Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion:	96	Resp:	788083
Ion	Ratio	Lower	Upper
96	100		
61	161.2	122.9	184.3
98	62.5	49.6	74.4





#23

Vinyl Acetate

Concen: 10.922 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034008.D

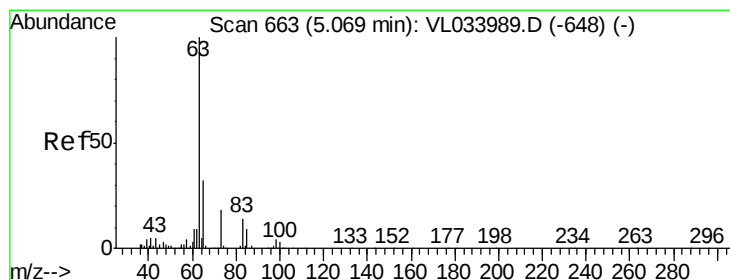
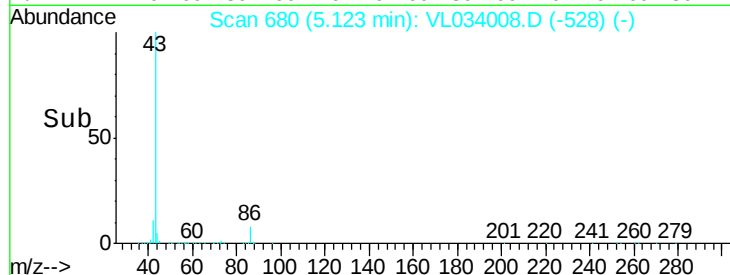
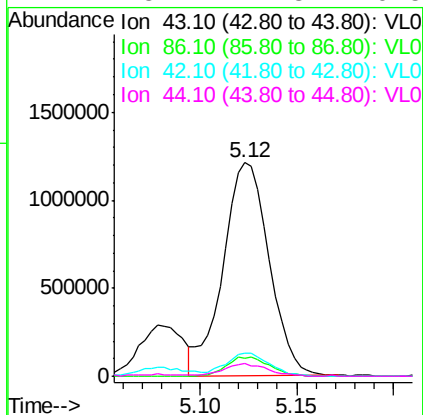
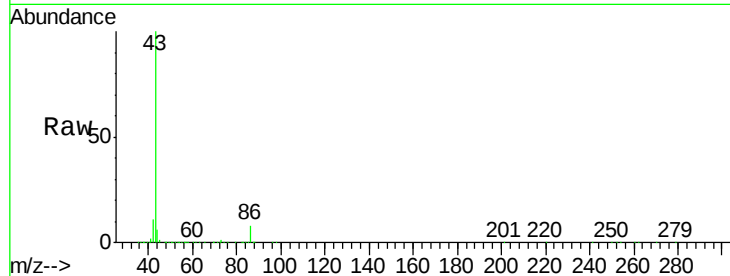
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	1999767
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8
42	10.9	8.3	12.5
44	5.7	4.3	6.5

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#24

1,1-Dichloroethane

Concen: 9.840 ppbv

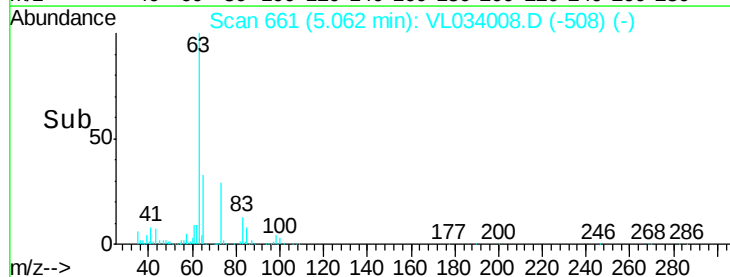
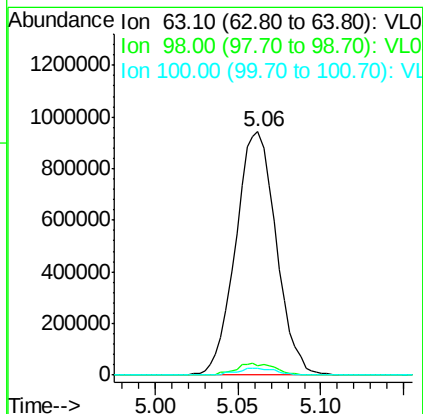
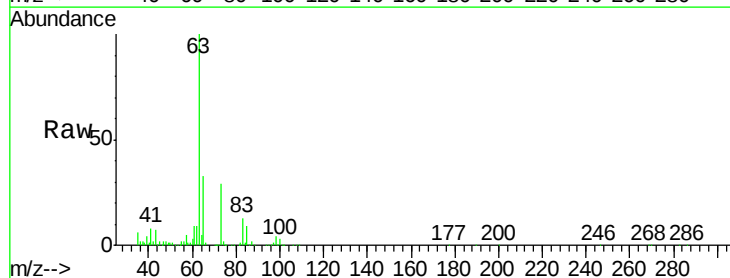
RT: 5.06 min Scan# 661

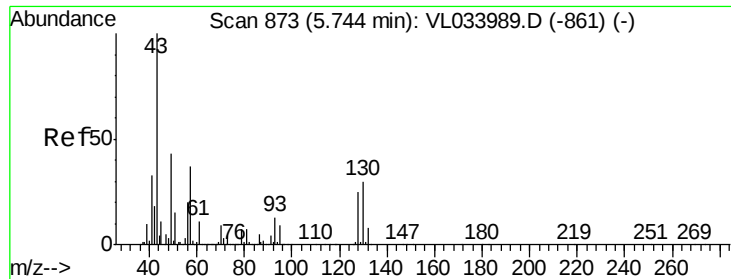
Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion	63	Resp	1596702
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.2	6.6
100	3.0	1.4	4.2





#25

Ethyl Acetate

Concen: 10.287 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2580927

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	10.6	8.1	12.1
70	8.0	6.3	9.5

43 100

45 10.3 8.1 12.1

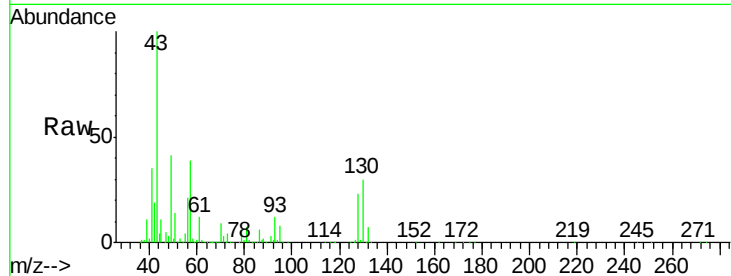
61 10.6 8.1 12.1

70 8.0 6.3 9.5

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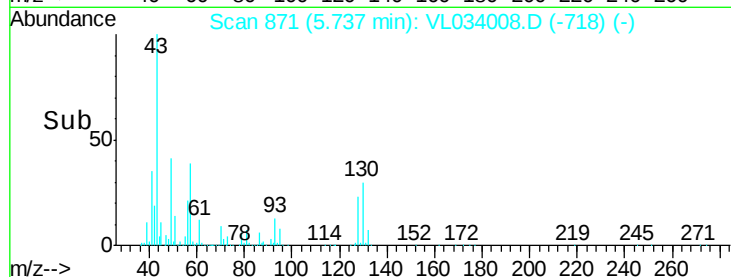
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

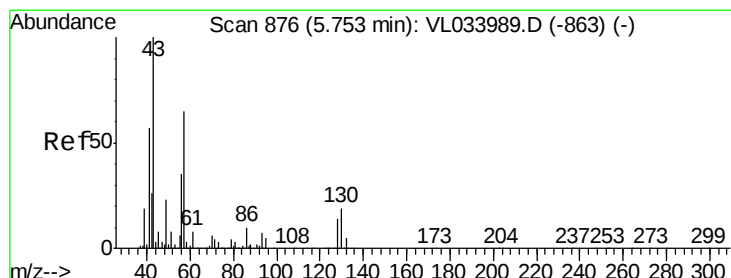
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

Time-->



Time-->



#26

Hexane

Concen: 10.313 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion: 57 Resp: 1184059

Ion	Ratio	Lower	Upper
57	100		
41	86.9	70.6	105.8
43	218.8	177.6	266.4
56	53.9	42.6	64.0

57 100

41 86.9 70.6 105.8

43 218.8 177.6 266.4

56 53.9 42.6 64.0

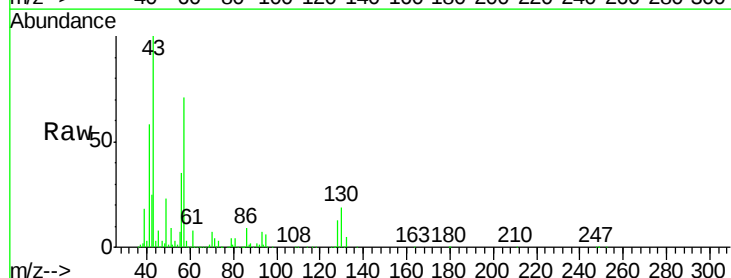
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

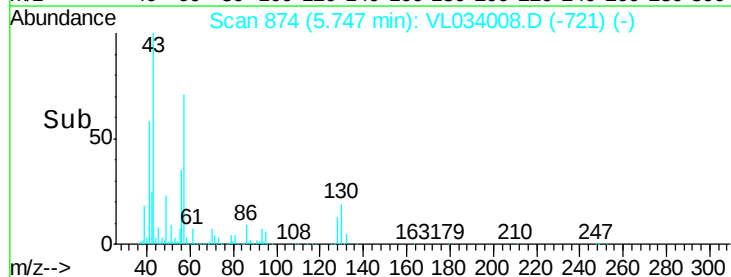
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

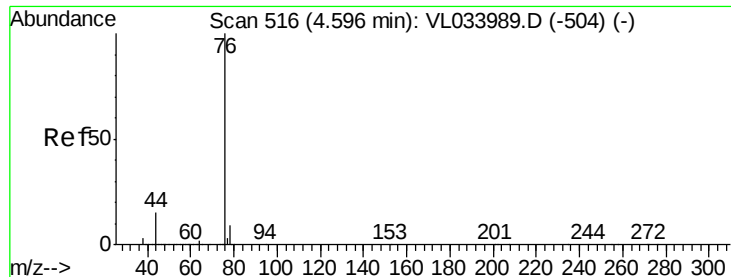
Time-->



Time-->



Time-->



#27

Carbon Disulfide

Concen: 10.417 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2033291

Ion Ratio Lower Upper

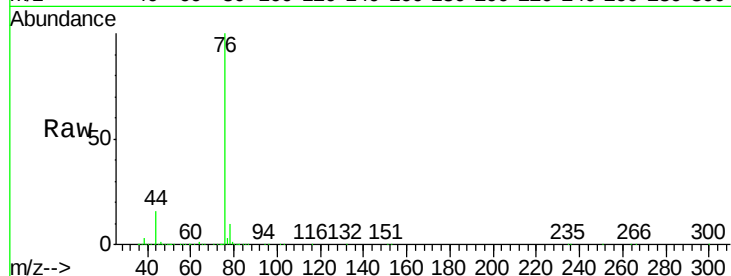
76 100

44 15.7 12.6 18.8

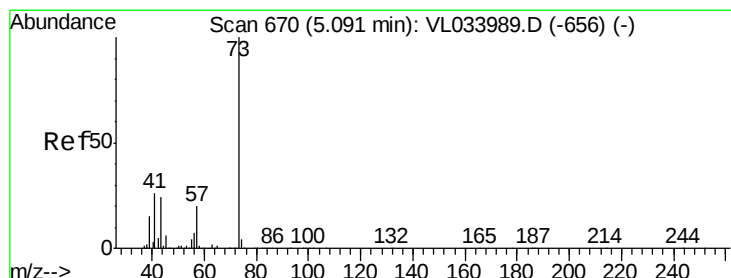
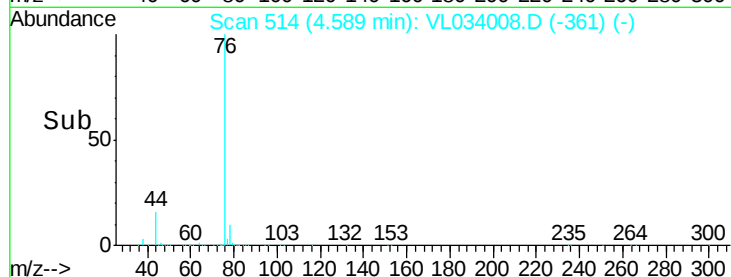
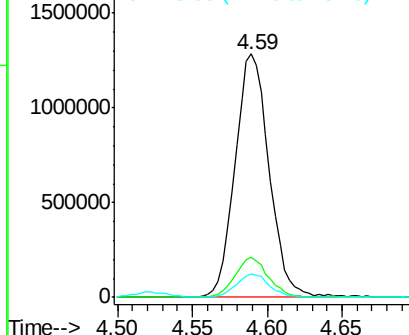
78 9.5 7.2 10.8

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



#28

Methyl tert-Butyl Ether

Concen: 10.657 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034008.D

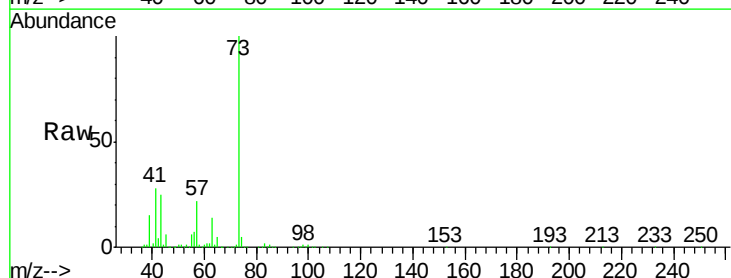
Acq: 8 Jul 2019 11:05

Tgt Ion: 73 Resp: 2072001

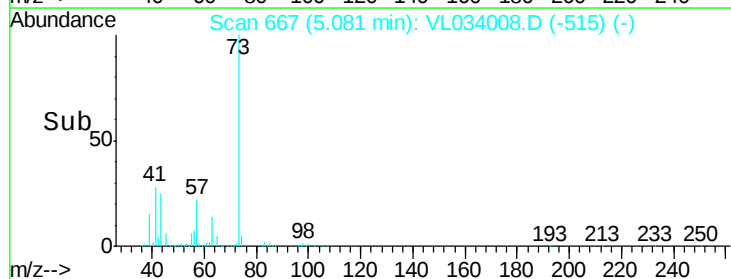
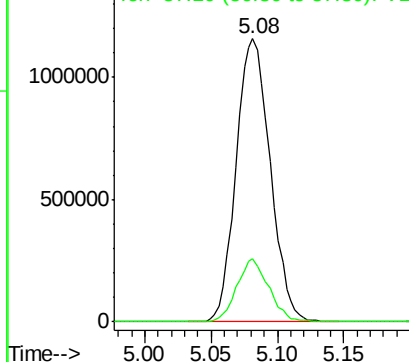
Ion Ratio Lower Upper

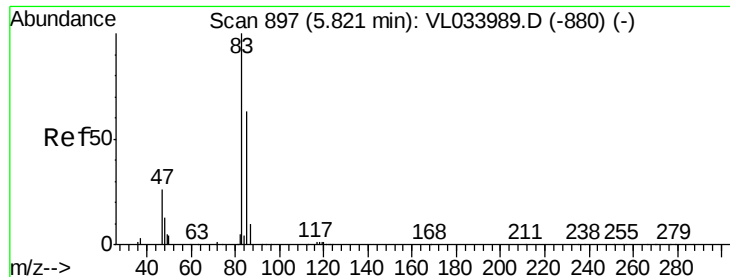
73 100

57 21.0 16.9 25.3



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





#29

Chloroform

Concen: 9.417 ppbv

RT: 5.82 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2031766

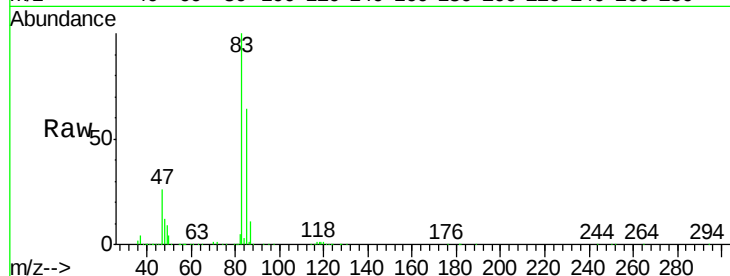
Ion Ratio Lower Upper

83 100

85 64.1 50.6 75.8

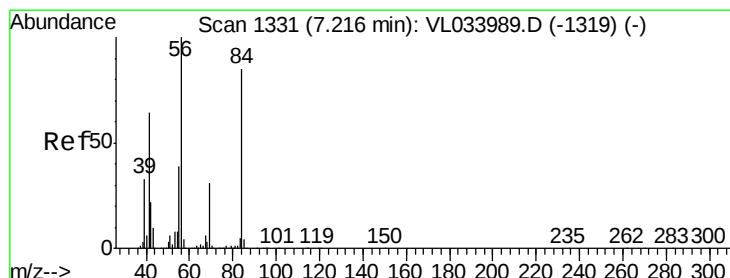
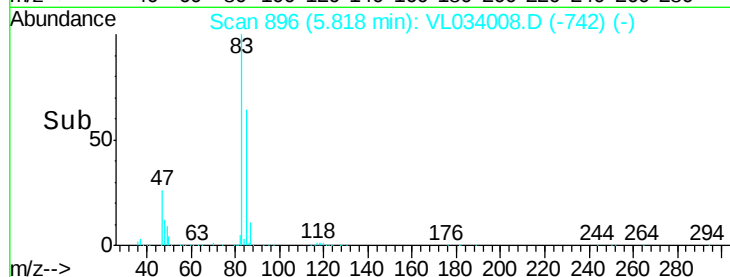
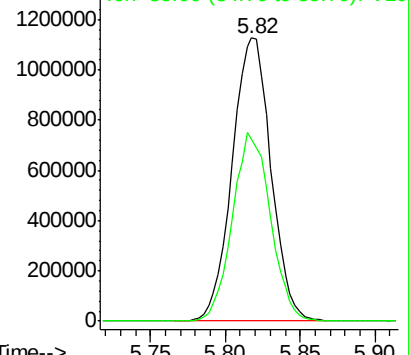
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.251 ppbv

RT: 7.21 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

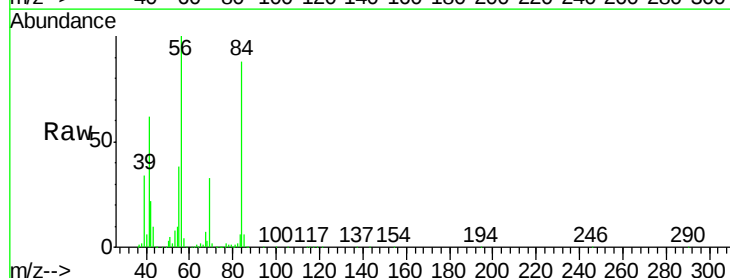
Tgt Ion: 84 Resp: 997587

Ion Ratio Lower Upper

84 100

56 124.7 103.7 155.5

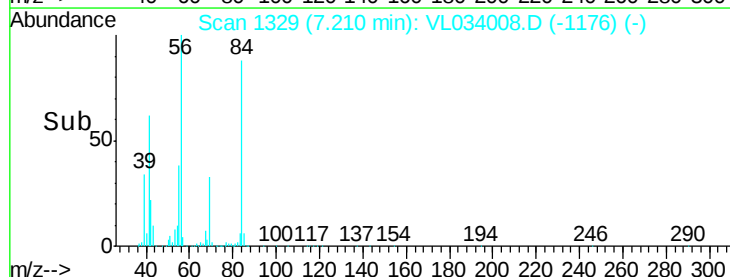
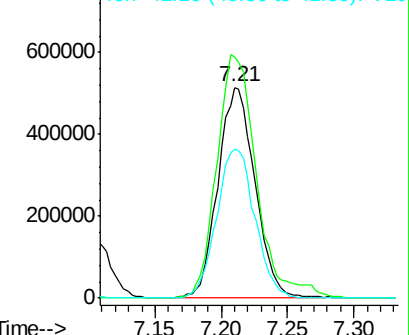
41 73.5 62.6 94.0

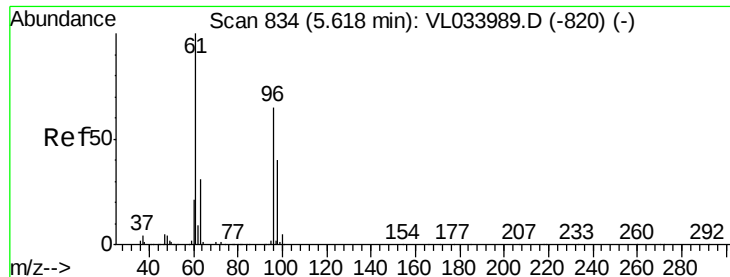


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

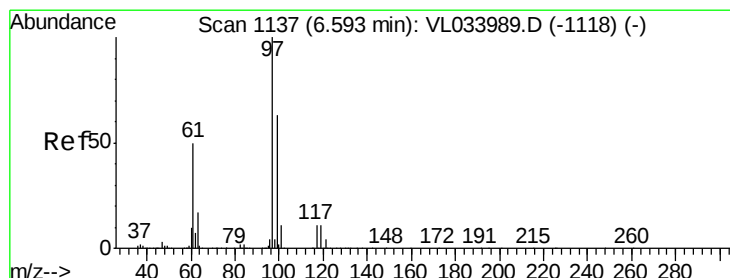
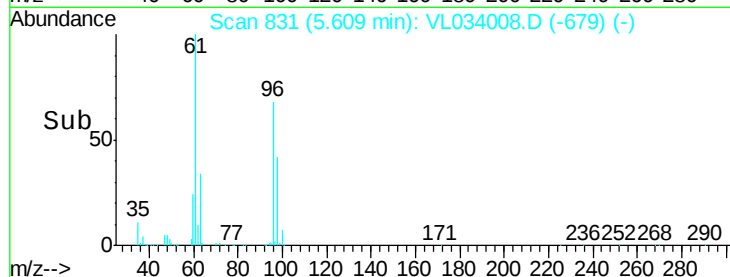
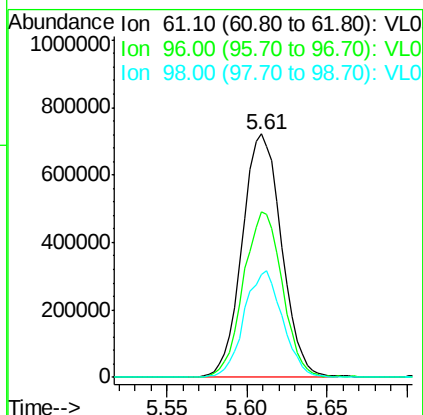
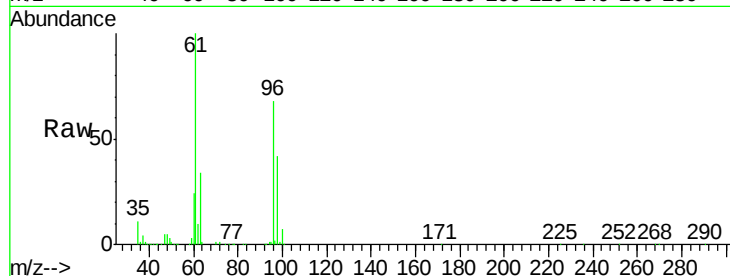
cis-1,2-Dichloroethene
 Concen: 10.915 ppbv
 RT: 5.61 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.9	51.8	77.6
98	42.3	32.1	48.1

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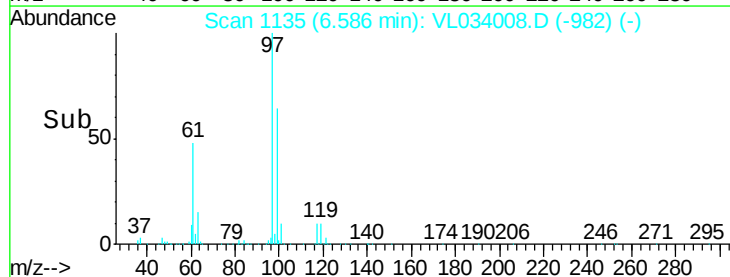
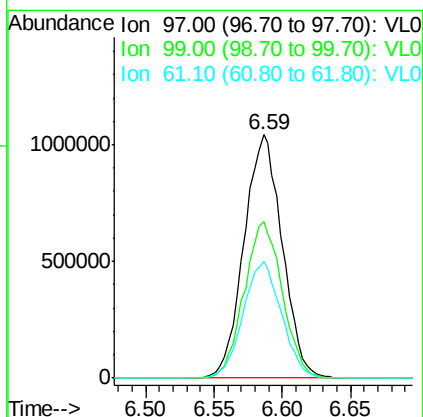
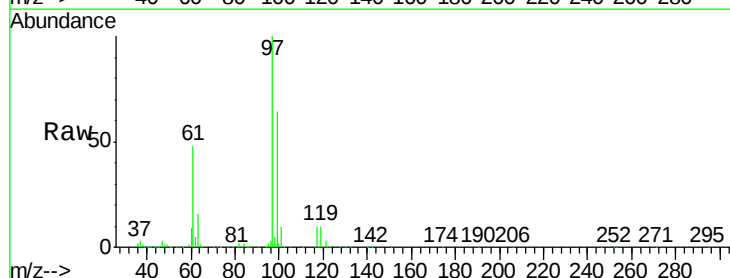
MMDadoda
 7/10/2019 8:49:51 AM

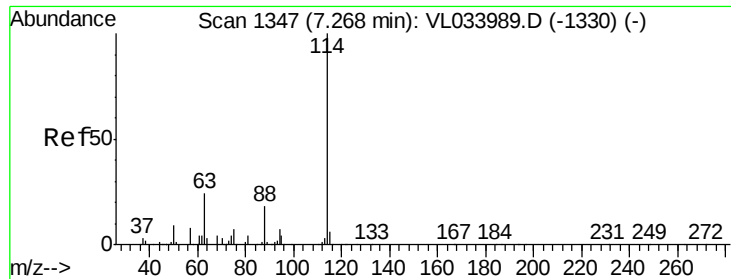


#32

1,1,1-Trichloroethane
 Concen: 9.257 ppbv
 RT: 6.59 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.9	77.9
61	48.1	39.8	59.8





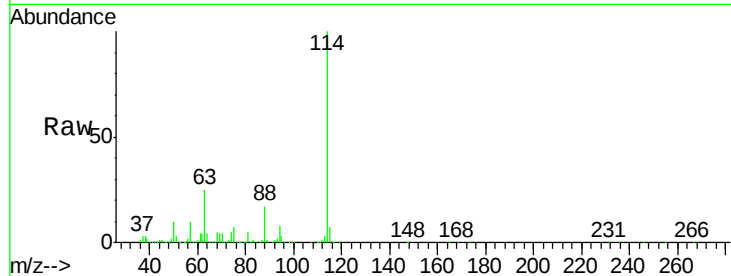
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

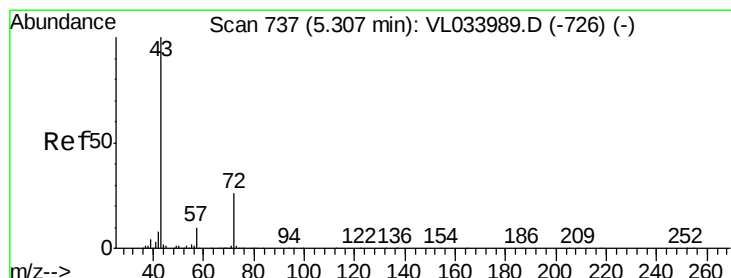
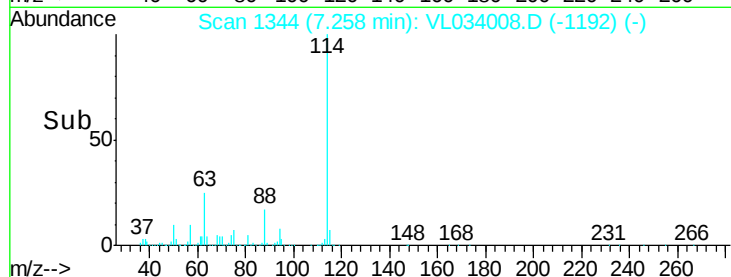
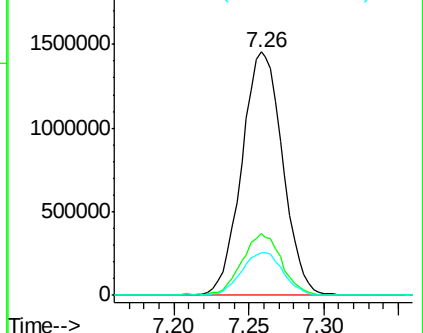
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.2
88	17.9	14.1	21.1

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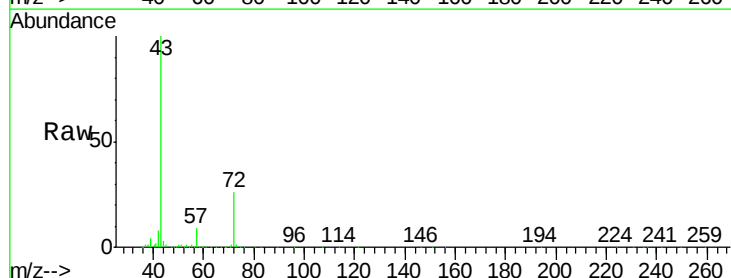


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

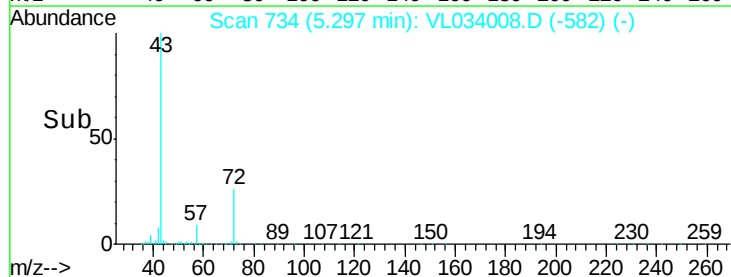
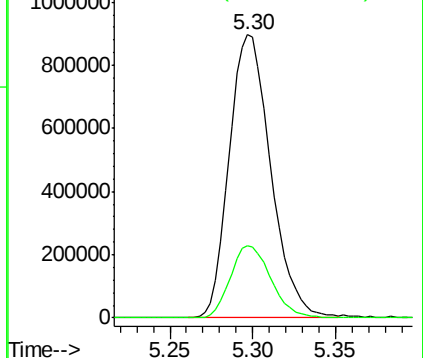


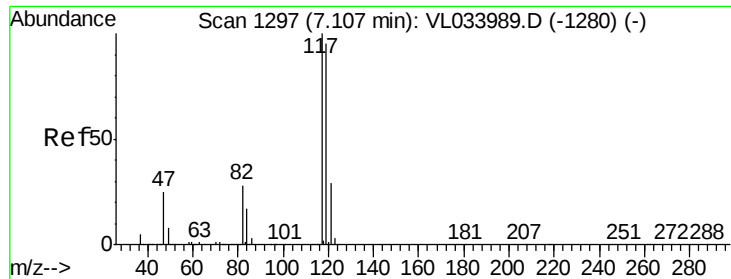
#34
 2-Butanone
 Concen: 10.628 ppbv
 RT: 5.30 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.9	29.9



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





#35

Carbon Tetrachloride

Concen: 10.043 ppbv

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2197032

Ion Ratio Lower Upper

117 100

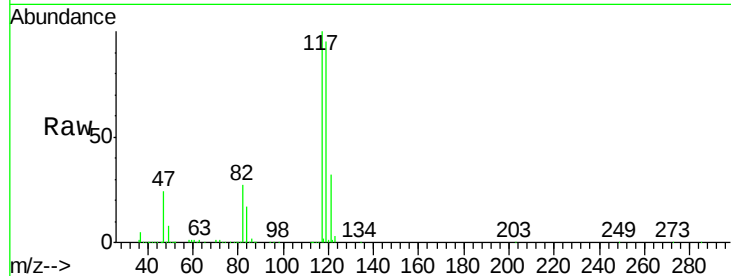
119 95.2 75.8 113.6

121 31.9 23.4 35.2

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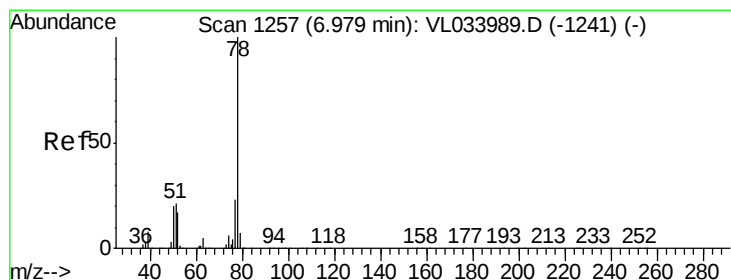
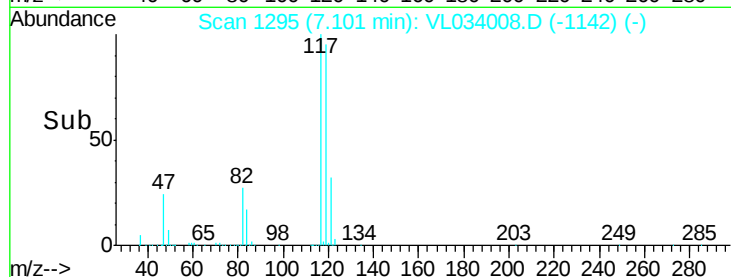
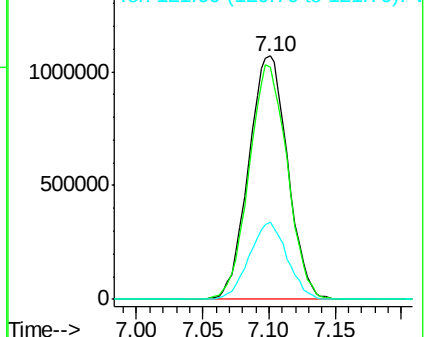
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.976 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

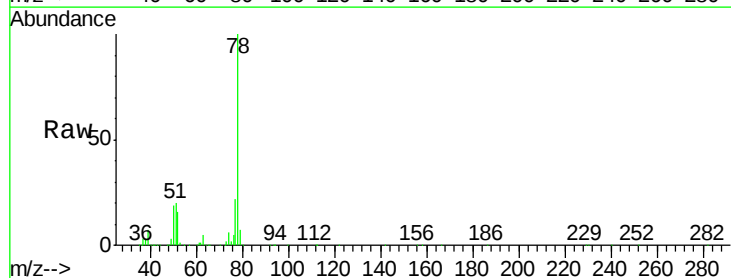
Tgt Ion: 78 Resp: 2373418

Ion Ratio Lower Upper

78 100

77 22.4 18.7 28.1

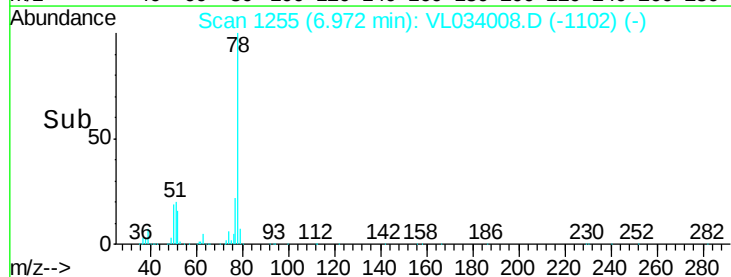
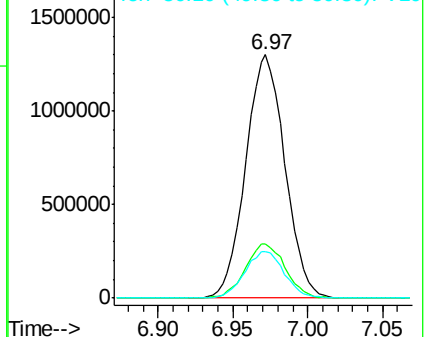
50 19.2 16.2 24.2

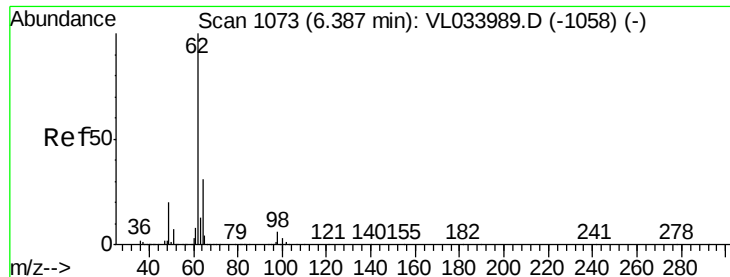


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





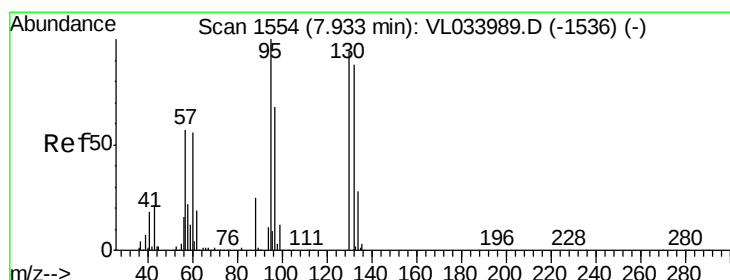
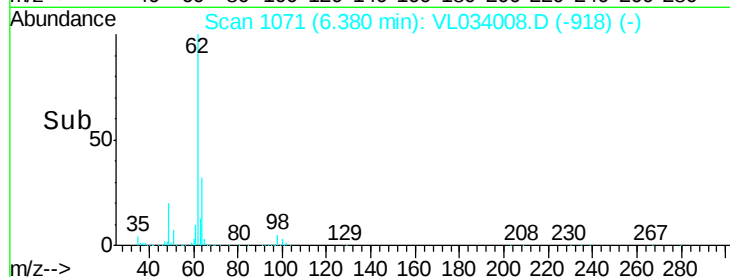
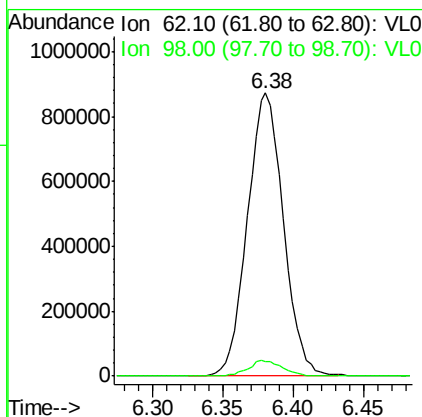
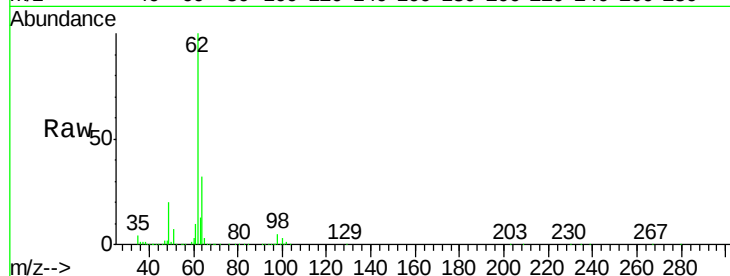
#37
 1,2-Dichloroethane
 Concen: 9.799 ppbv
 RT: 6.38 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1560983
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.4 6.6

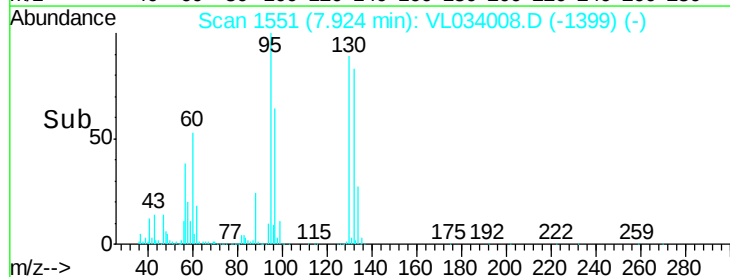
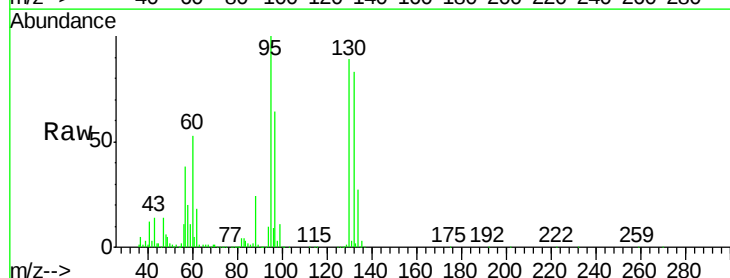
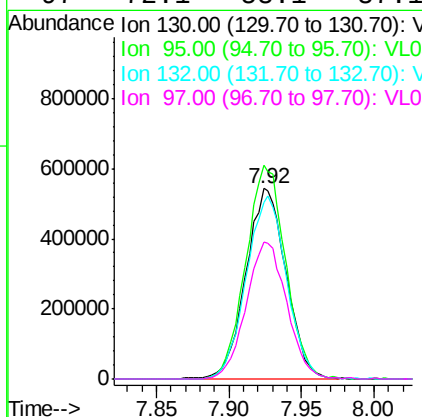
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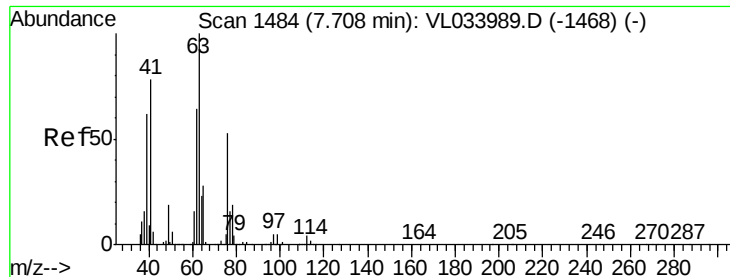
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#38
 Trichloroethene
 Concen: 10.779 ppbv
 RT: 7.92 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion: 130 Resp: 1037109
 Ion Ratio Lower Upper
 130 100
 95 112.4 85.5 128.3
 132 92.7 75.1 112.7
 97 72.1 58.1 87.1





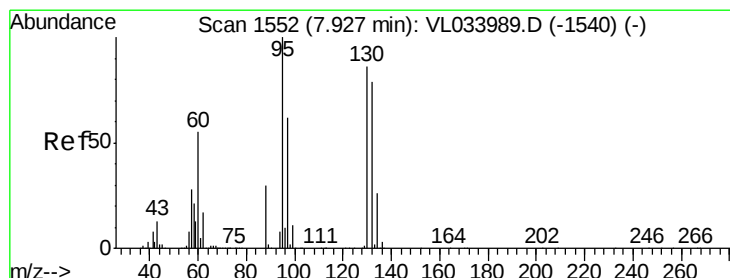
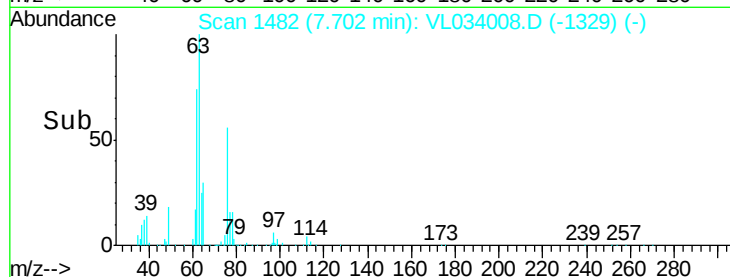
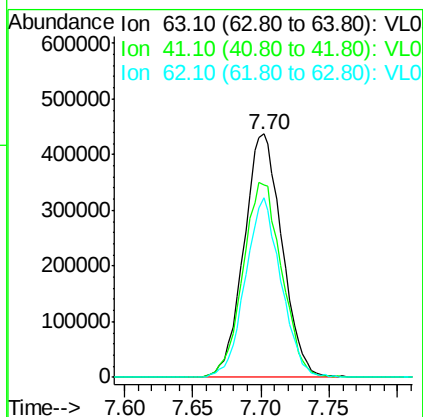
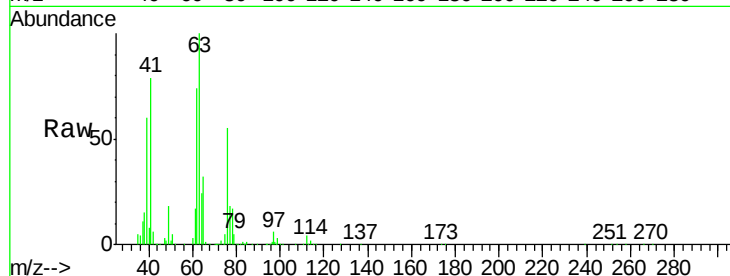
#39
 1,2-Dichloropropane
 Concen: 10.540 ppbv
 RT: 7.70 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.8	62.3	93.5
62	73.7	51.4	77.2

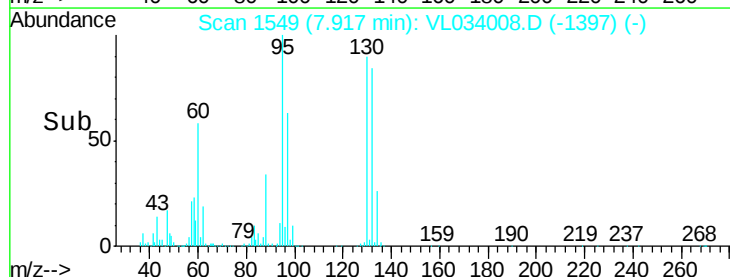
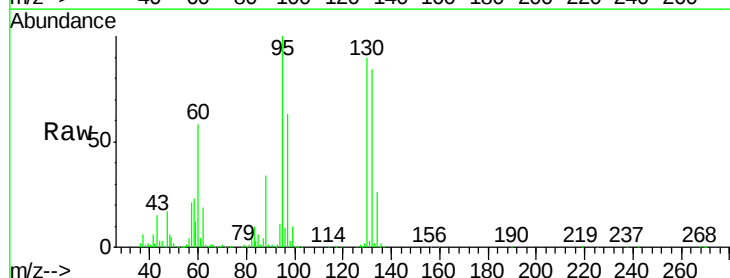
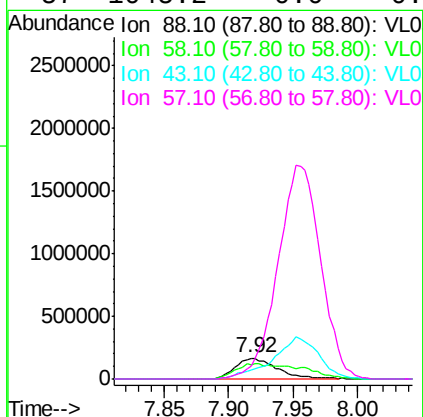
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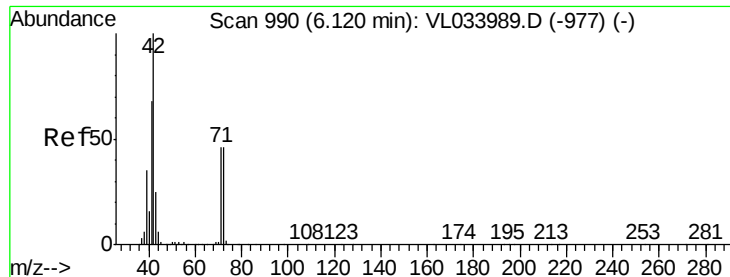
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#40
 1,4-Dioxane
 Concen: 10.156 ppbv
 RT: 7.92 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	119.1	99.1	148.7
43	221.1	0.0	0.0#
57	1045.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.393 ppbv

RT: 6.12 min Scan# 989

Delta R.T. -0.00 min

Lab File: VL034008.D

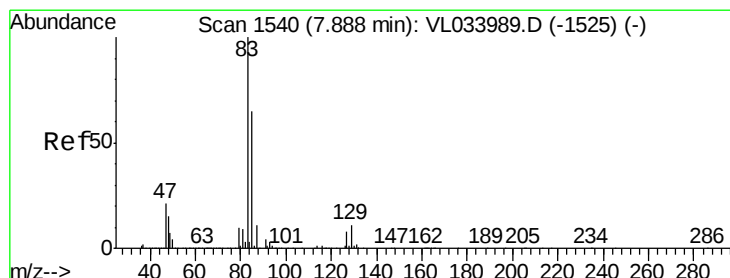
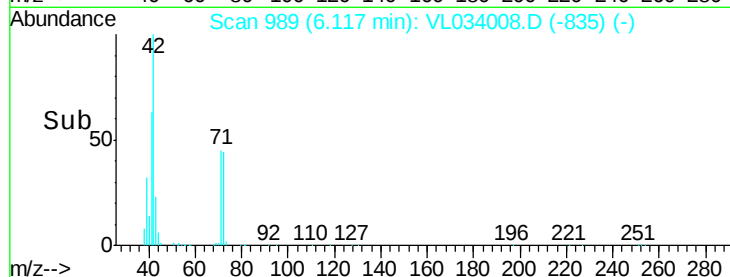
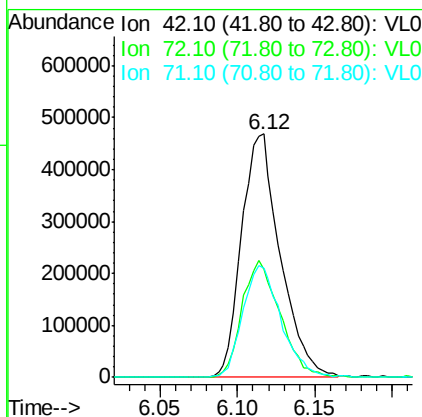
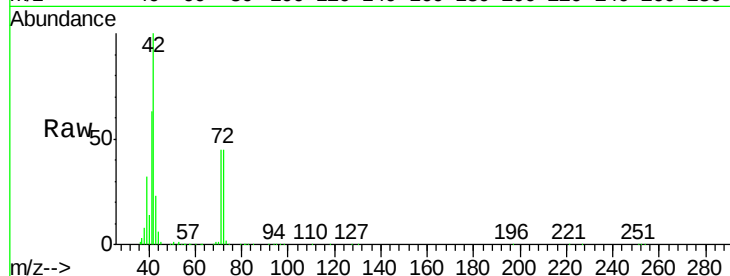
Acq: 8 Jul 2019 11:05

Tot Ion:	42	Resp:	817177
Ion Ratio		Lower	Upper
42	100		
72	47.3	37.3	55.9
71	45.8	36.2	54.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#42

Bromodichloromethane

Concen: 10.451 ppbv

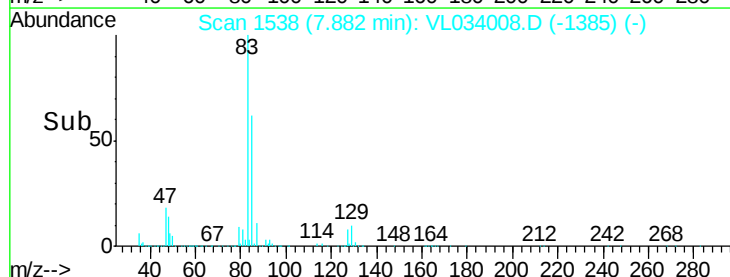
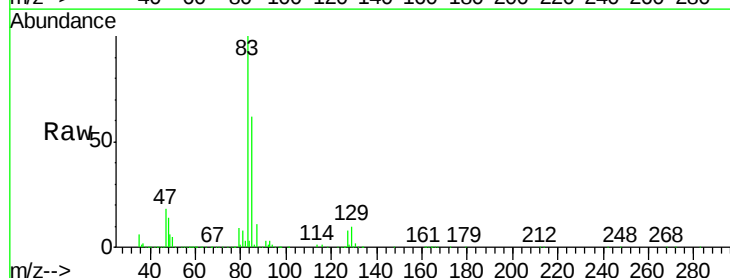
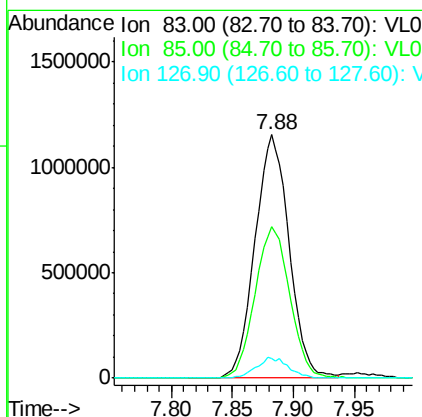
RT: 7.88 min Scan# 1538

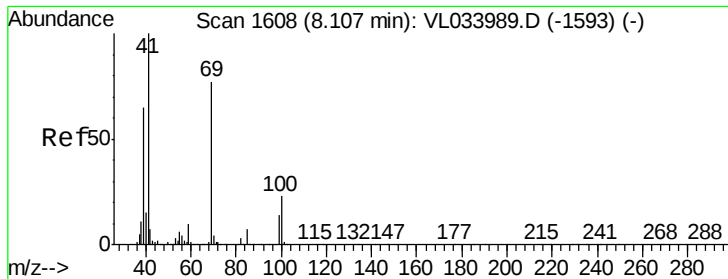
Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion:	83	Resp:	2233876
Ion Ratio		Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.2	6.5	9.7





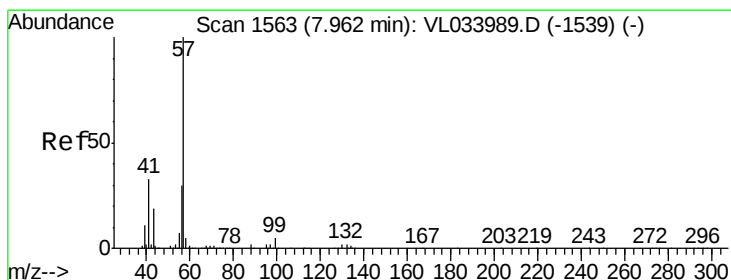
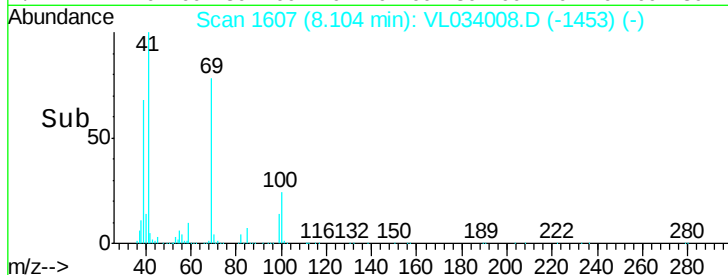
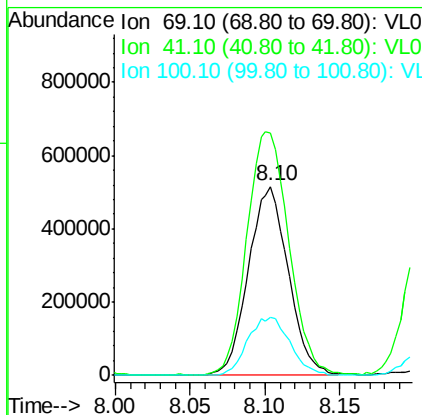
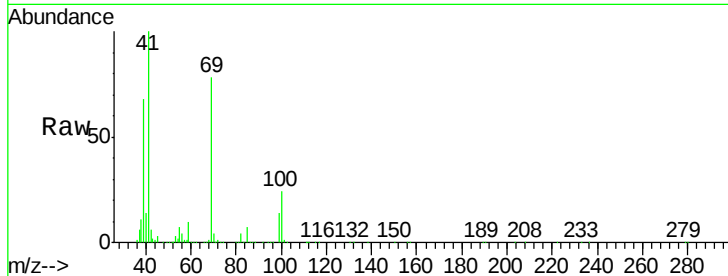
#43
Methvl Methacrilate
Concen: 11.660 ppbv
RT: 8.10 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	136.3	109.1	163.7	
100	32.6	25.3	37.9	

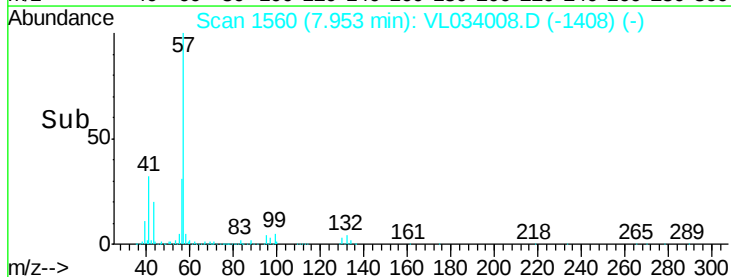
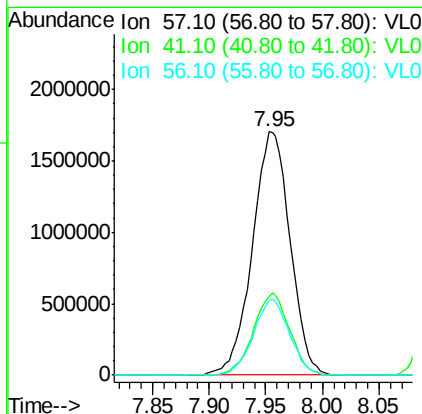
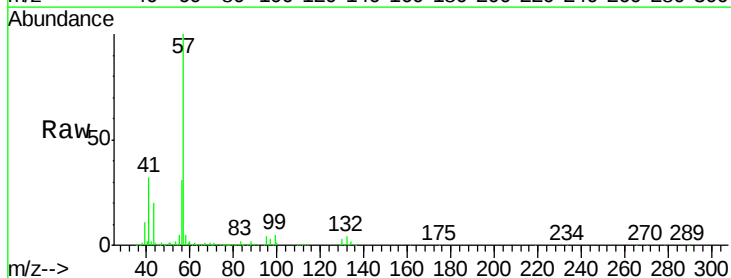
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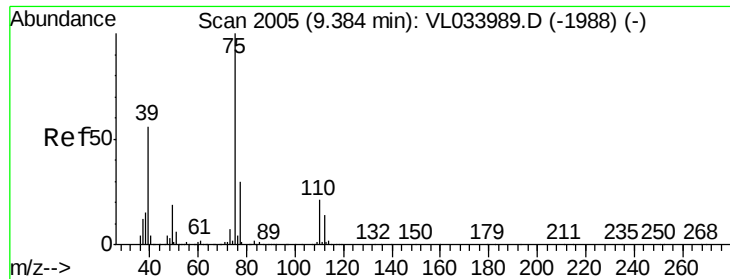
MMDadoda
7/10/2019 8:49:51 AM



#44
2,2,4-Trimethylpentane
Concen: 10.537 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	32.5	26.1	39.1	
56	29.9	24.4	36.6	





#45

t-1,3-Dichloropropene

Concen: 12.617 ppbv

RT: 9.38 min Scan# 2003

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tot Ion: 75 Resp: 1353588

Ion Ratio Lower Upper

75 100

77 32.3 24.3 36.5

Instrument :

MSVOA_L

ClientSampleId :

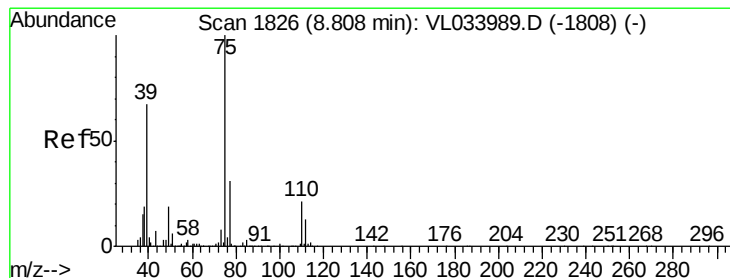
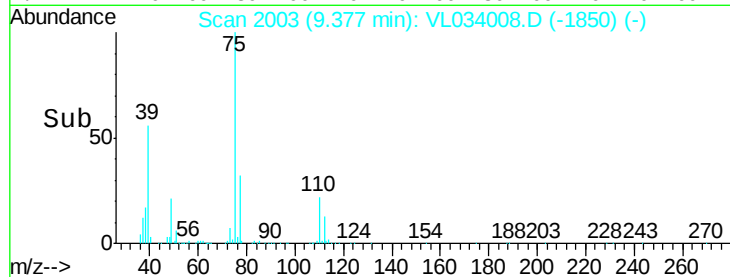
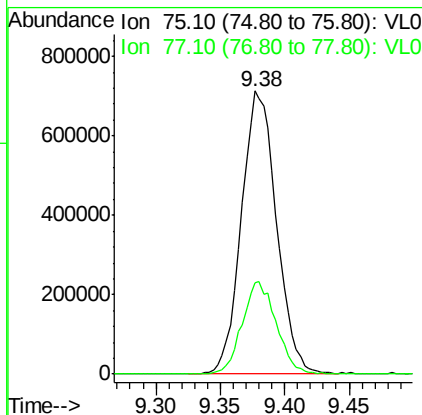
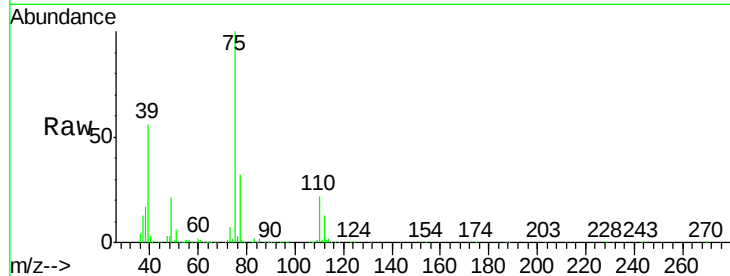
VSTDCCC010

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7/10/2019 8:49:51 AM



#46

cis-1,3-Dichloropropene

Concen: 11.926 ppbv

RT: 8.80 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

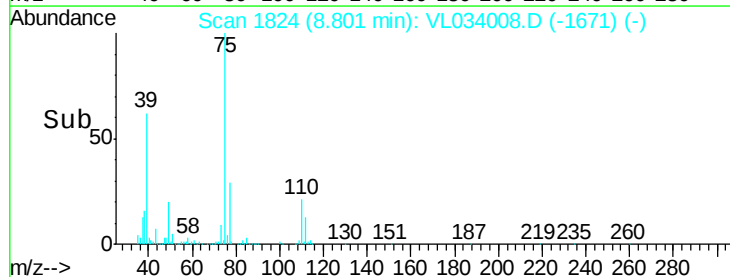
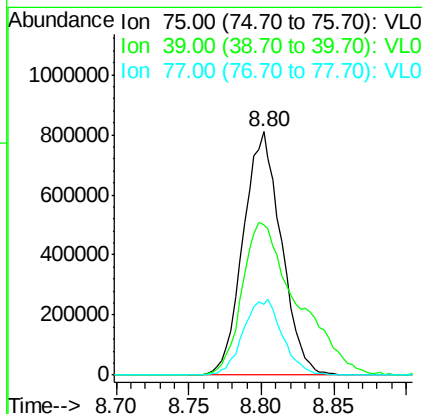
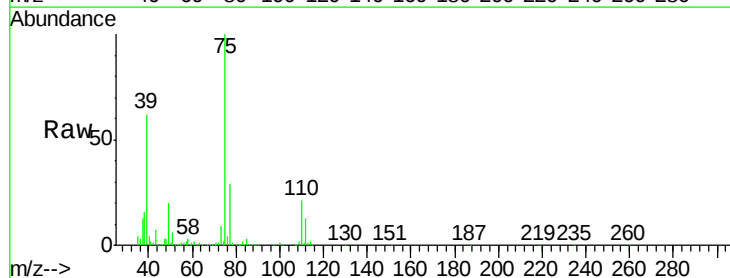
Tgt Ion: 75 Resp: 1481851

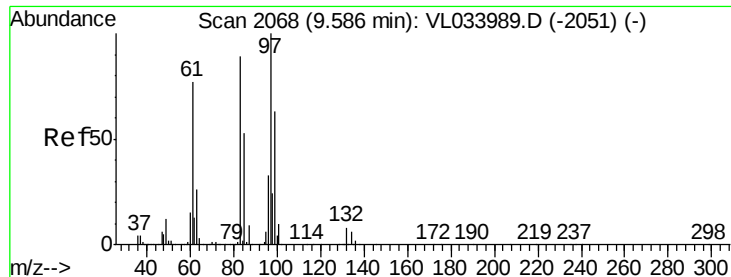
Ion Ratio Lower Upper

75 100

39 61.7 53.8 80.6

77 29.2 24.5 36.7





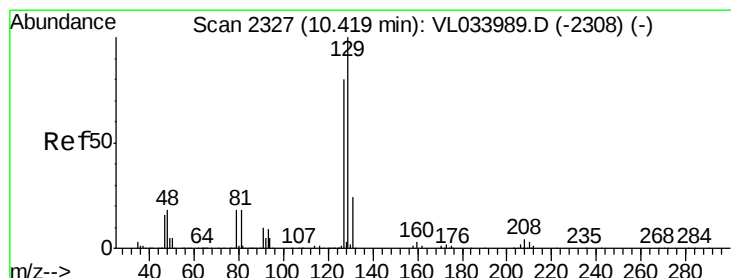
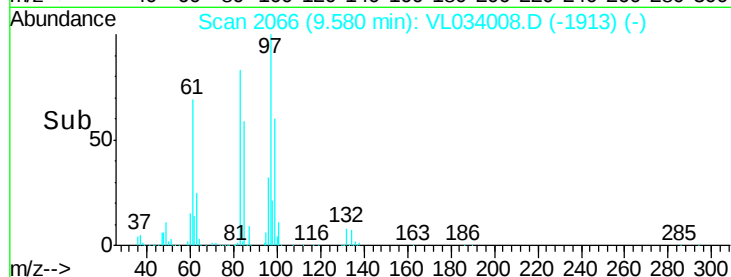
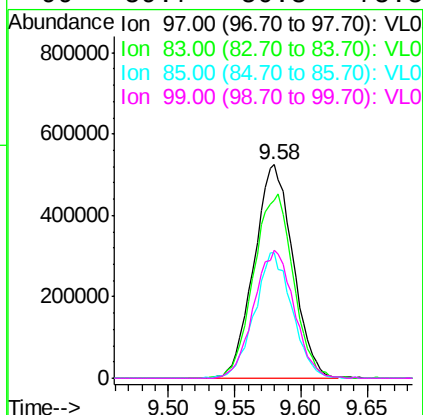
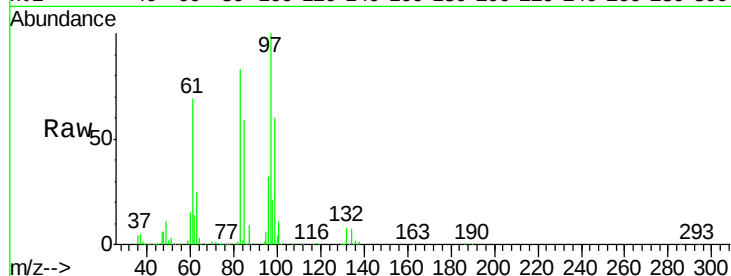
#47
 1,1,2-Trichloroethane
 Concen: 10.643 ppbv
 RT: 9.58 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.5	71.1	106.7
85	58.5	42.6	64.0
99	59.7	50.3	75.5

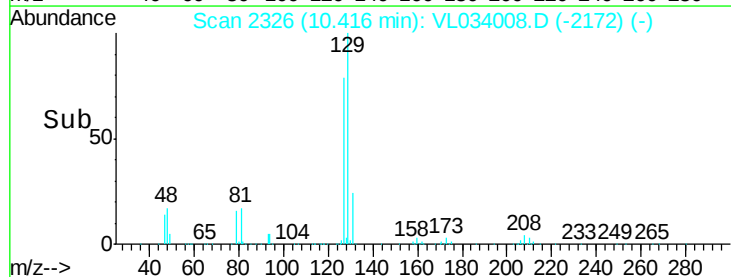
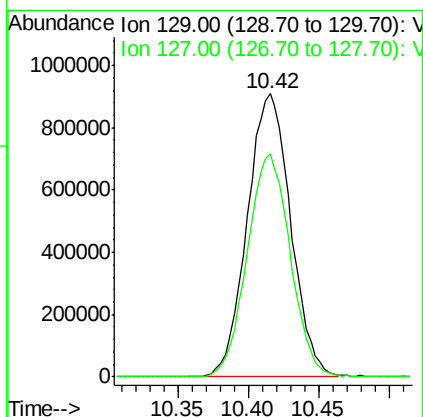
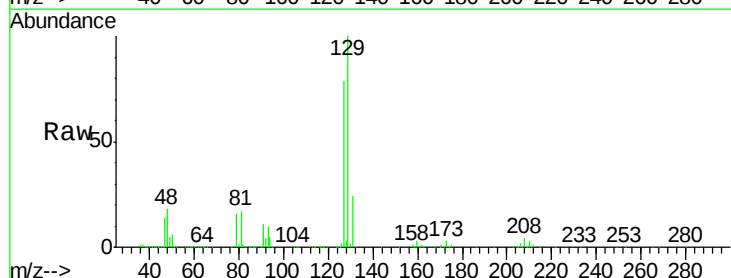
Manual Integrations
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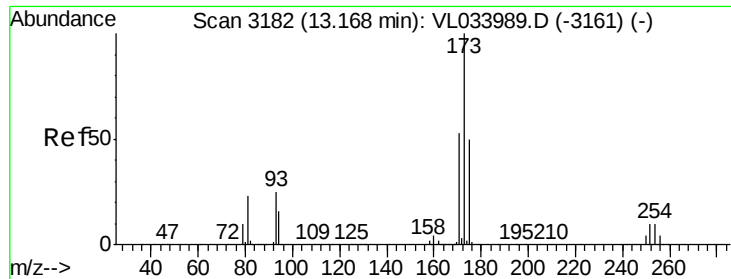
MMDadoda
 7/10/2019 8:49:51 AM



#48
 Dibromochloromethane
 Concen: 10.150 ppbv
 RT: 10.42 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.3





#49

Bromoform

Concen: 11.246 ppbv

RT: 13.16 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1853404

Ion Ratio Lower Upper

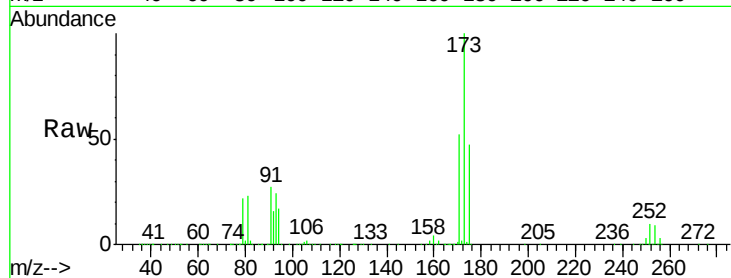
173 100

175 49.1 39.3 58.9

171 52.5 41.4 62.0

Manual Integrations
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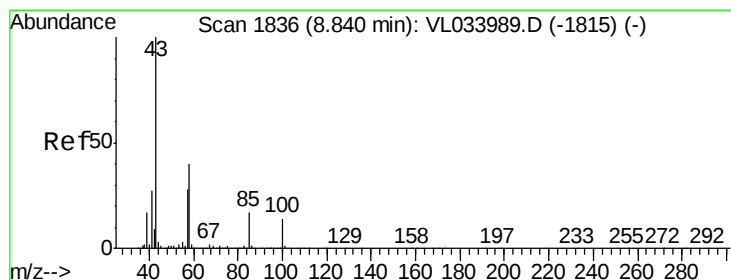
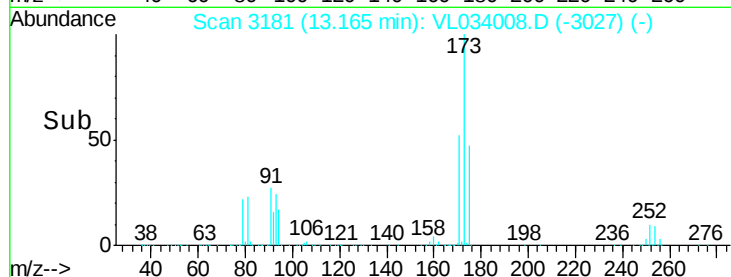
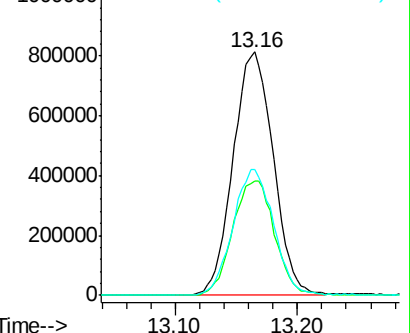
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.810 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL034008.D

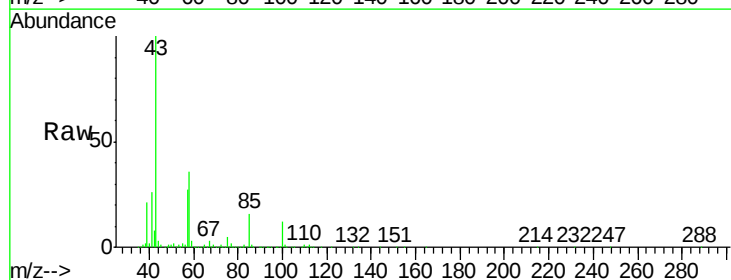
Acq: 8 Jul 2019 11:05

Tgt Ion: 43 Resp: 2346143

Ion Ratio Lower Upper

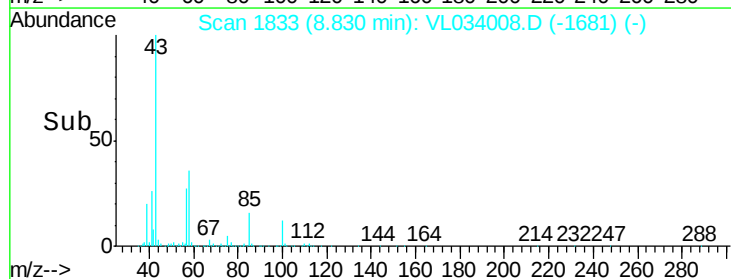
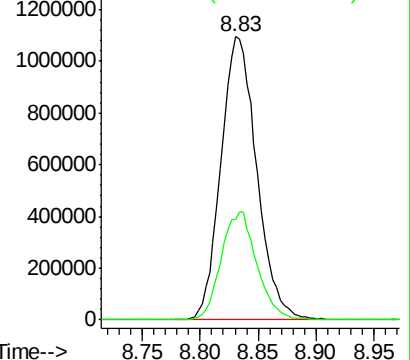
43 100

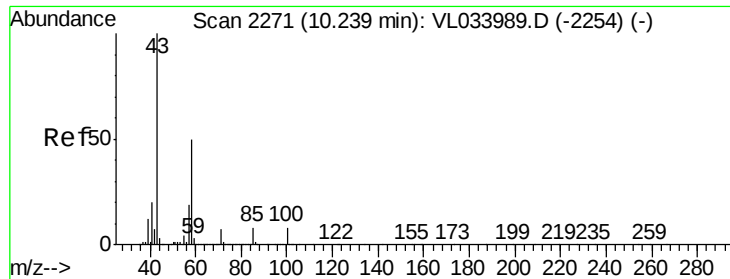
58 38.1 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.219 ppbv

RT: 10.23 min Scan# 2269

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1963575

Ion Ratio Lower Upper

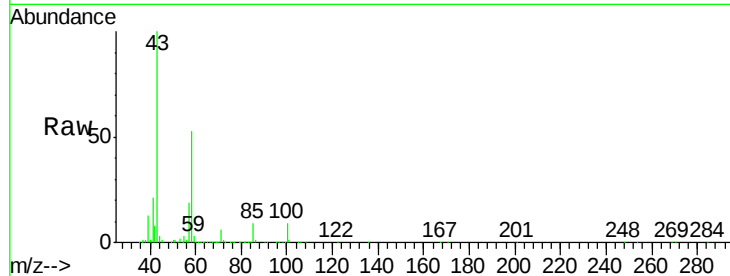
43 100

58 51.3 41.0 61.4

98 0.5 0.2 0.2#

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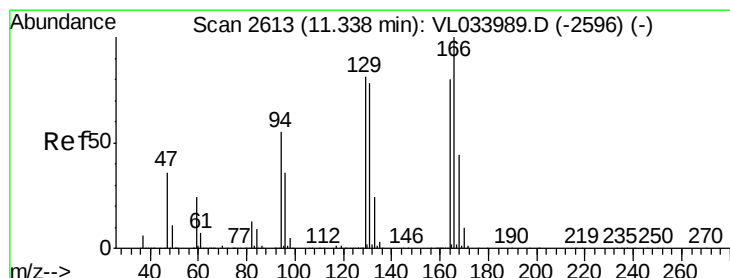
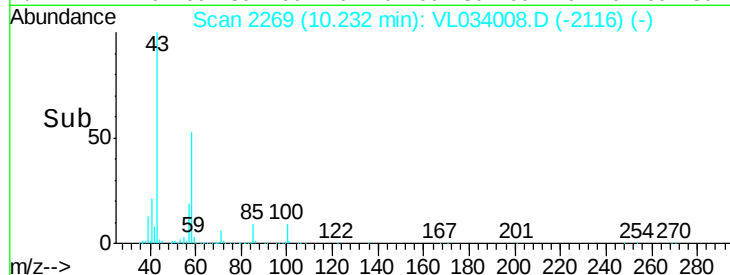
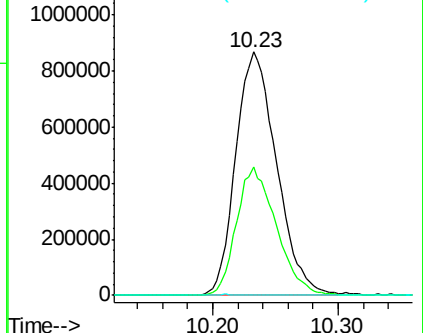


Abundance

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: 10.918 ppbv

RT: 11.33 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion: 164 Resp: 1016134

Ion Ratio Lower Upper

164 100

166 124.1 100.2 150.2

129 101.5 81.0 121.6

131 92.6 78.3 117.5

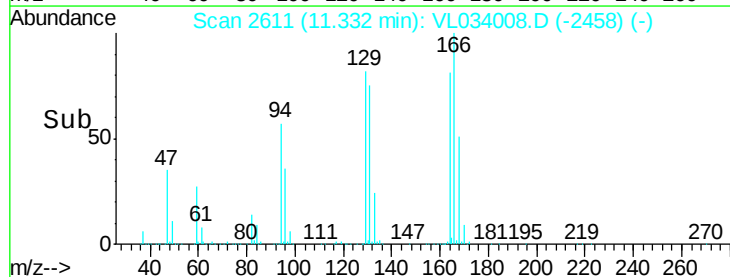
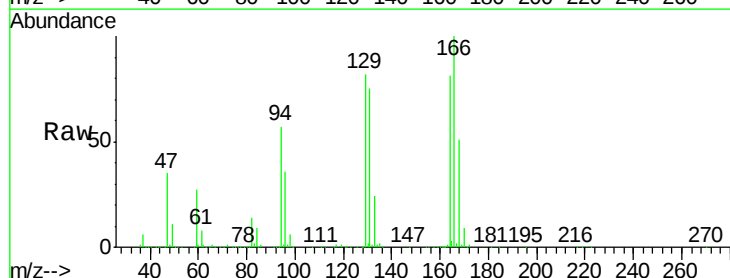
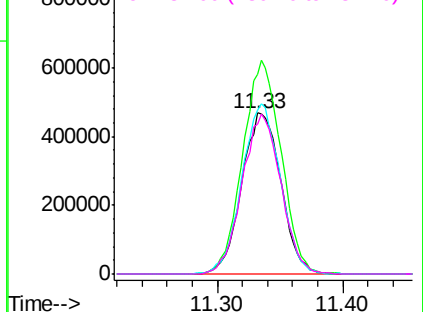
Abundance

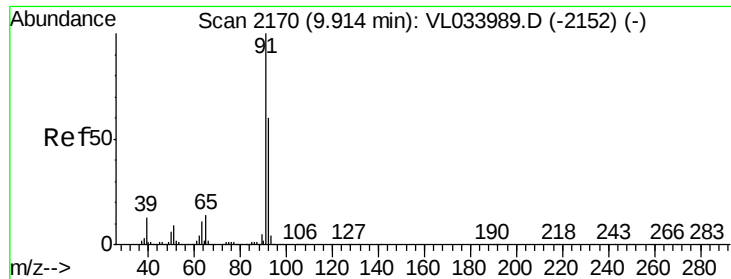
Ion 163.90 (163.60 to 164.60): V

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: 12.028 ppbv

RT: 9.91 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2977137

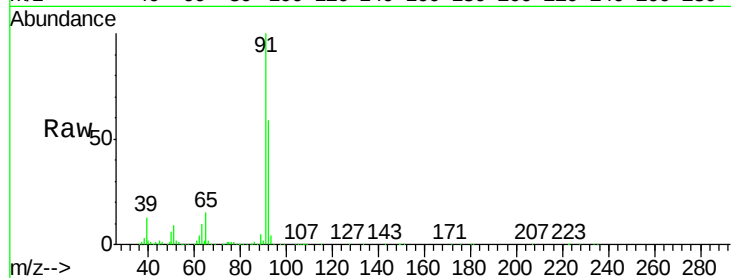
Ion Ratio Lower Upper

91 100

92 58.5 47.7 71.5

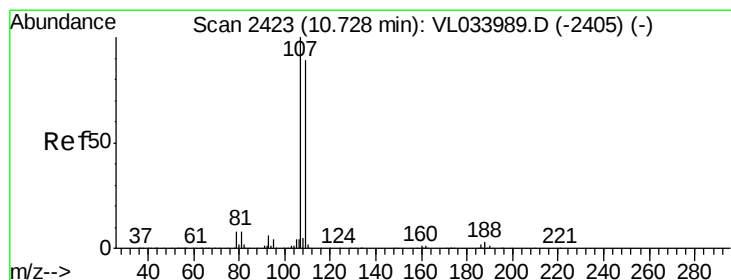
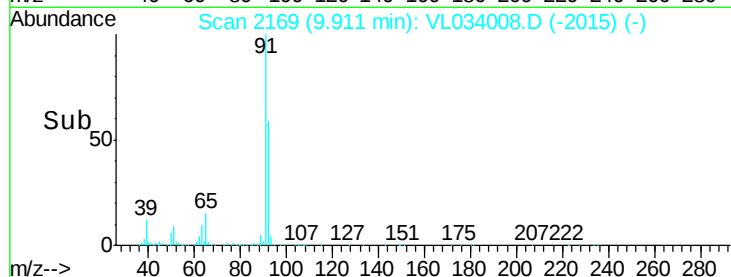
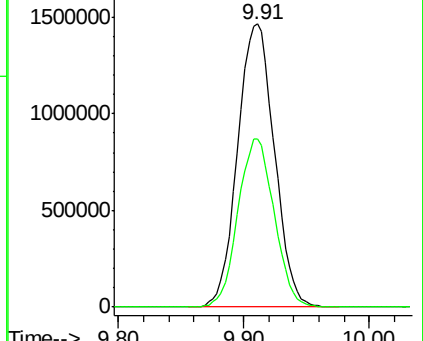
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.213 ppbv

RT: 10.72 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL034008.D

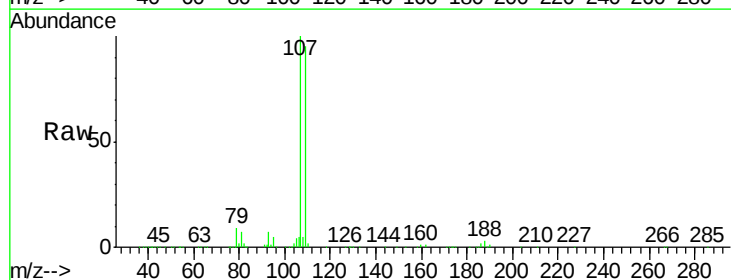
Acq: 8 Jul 2019 11:05

Tgt Ion: 107 Resp: 1672916

Ion Ratio Lower Upper

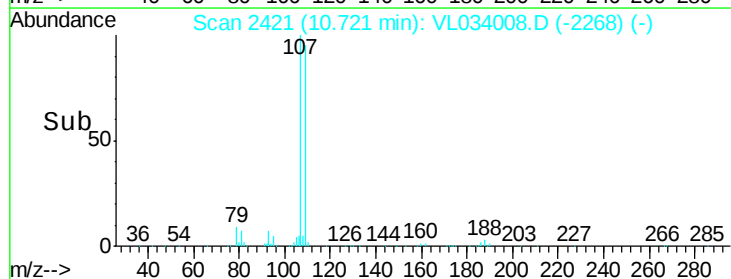
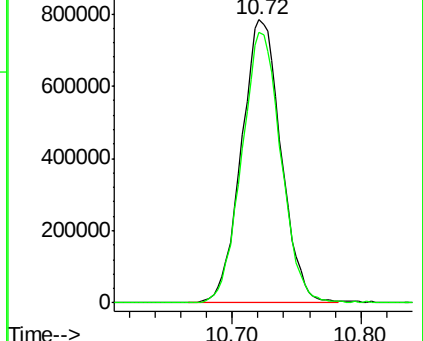
107 100

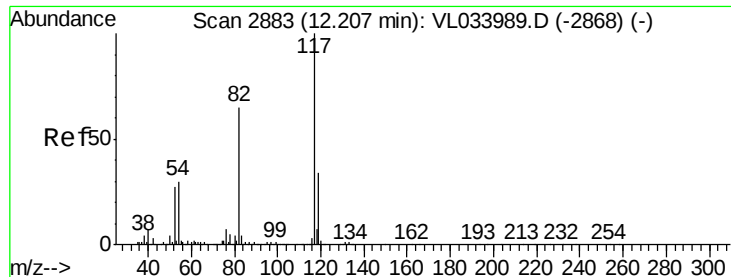
109 95.4 71.5 107.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





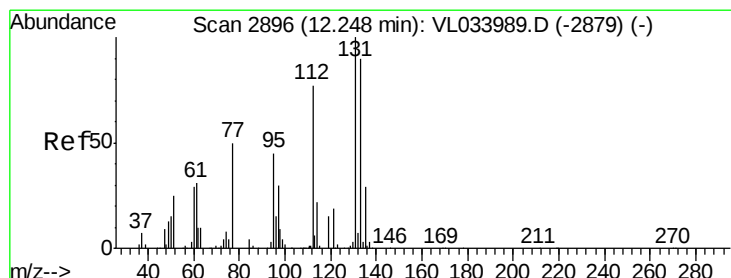
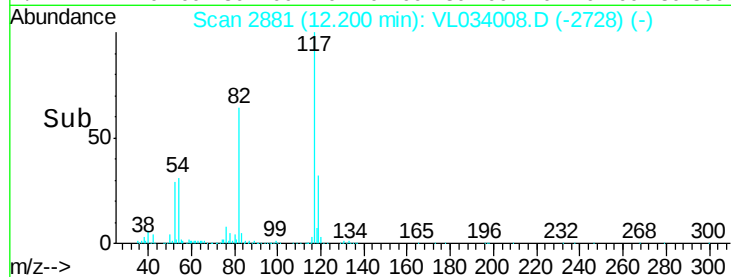
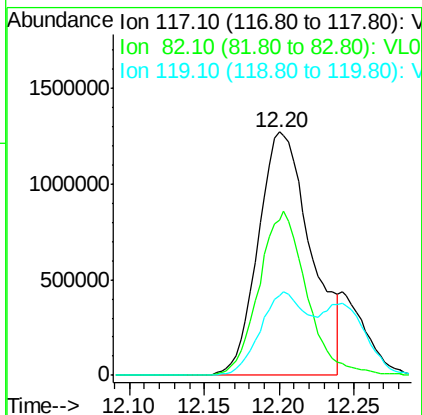
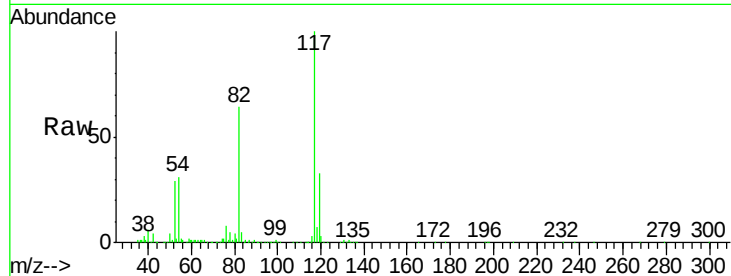
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 3115663
Ion Ratio Lower Upper
117 100
82 61.5 50.8 76.2
119 29.6 24.0 36.0

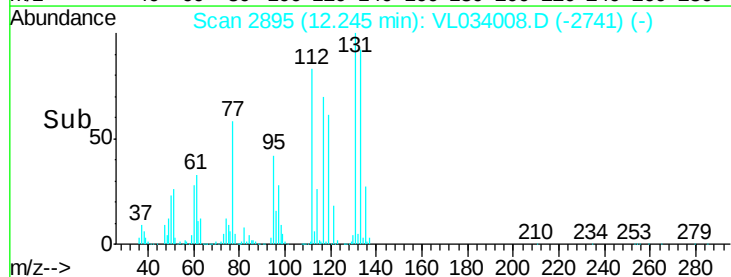
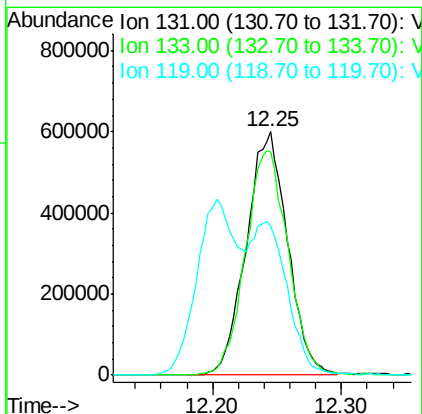
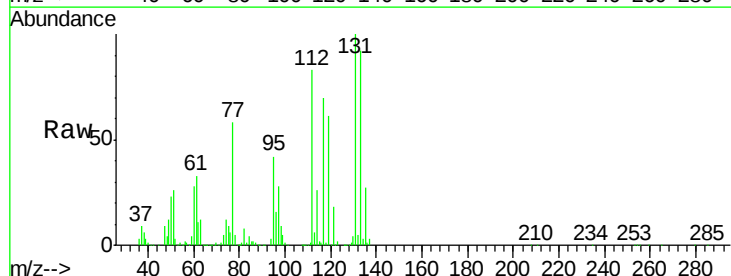
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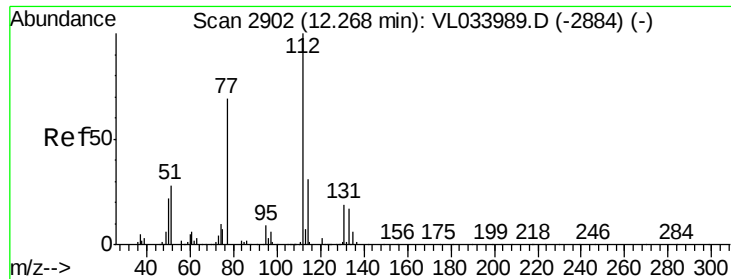
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.595 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion:131 Resp: 1336074
Ion Ratio Lower Upper
131 100
133 95.8 76.2 114.2
119 56.0 43.1 64.7





#57

Chlorobenzene

Concen: 9.447 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 2343379

Ion Ratio Lower Upper

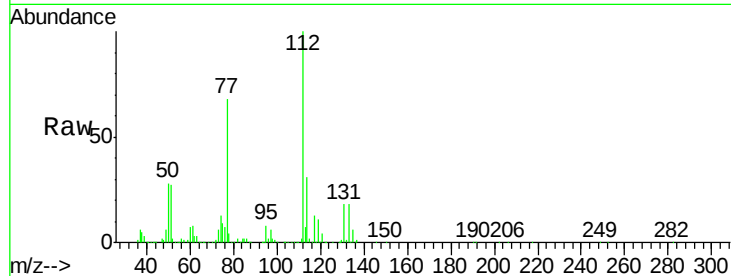
112 100

77 67.1 55.9 83.9

114 31.3 27.6 33.8

Manual Integrations
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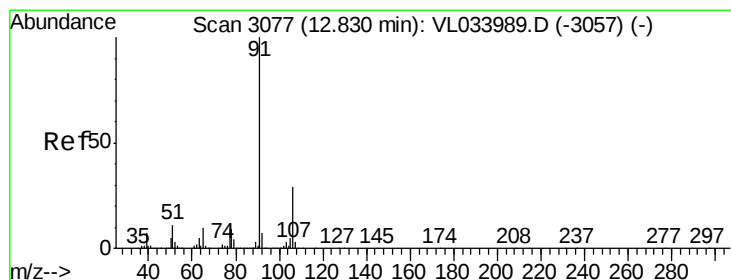
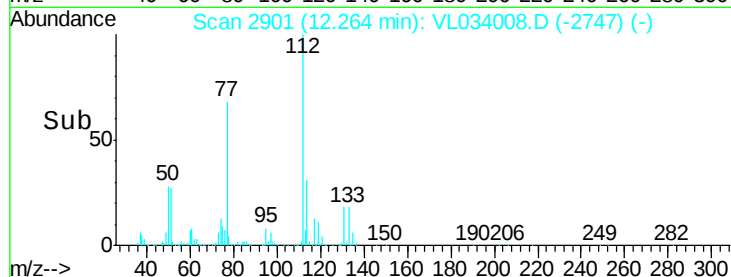
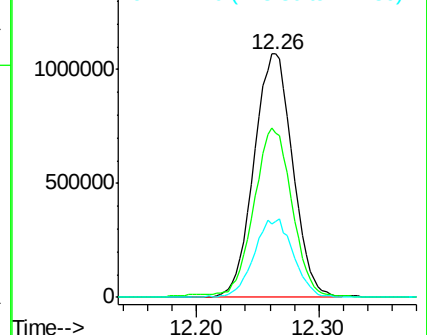
MMDadoda
7/10/2019 8:49:51 AM



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: 10.907 ppbv

RT: 12.83 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VL034008.D

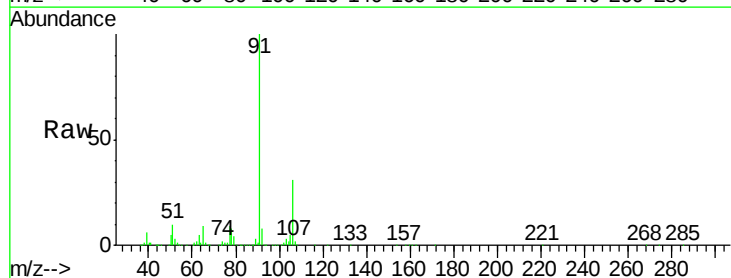
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 4086656

Ion Ratio Lower Upper

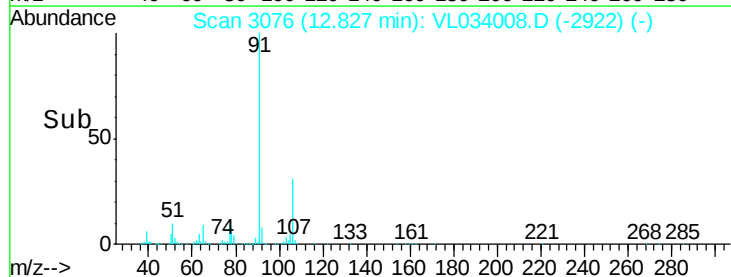
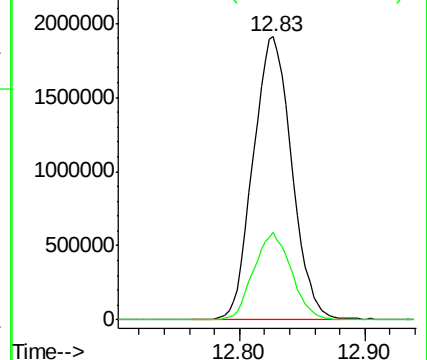
91 100

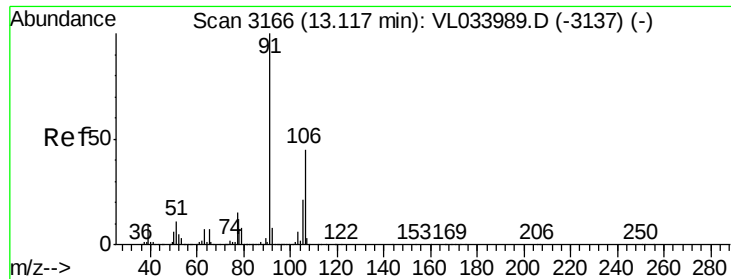
106 30.7 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





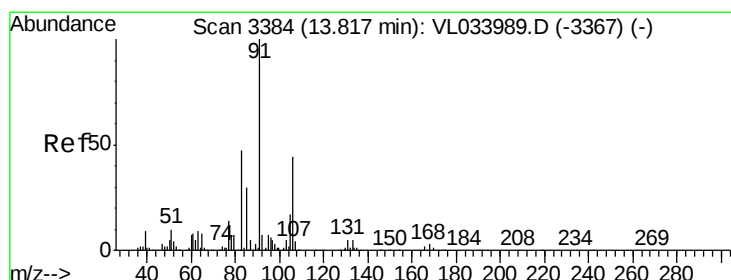
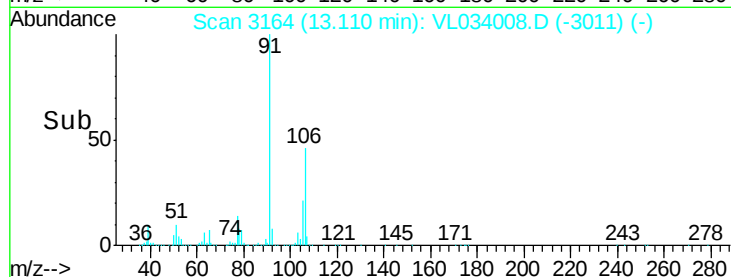
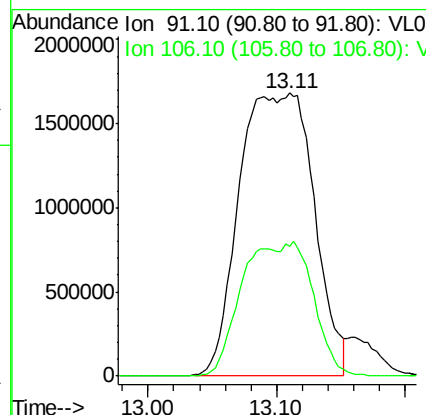
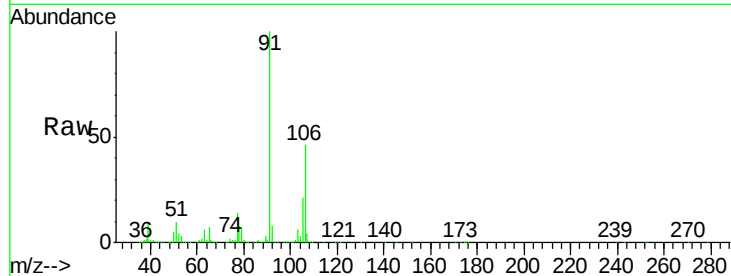
#59
m/p-Xylene
Concen: 19.960 ppbv m
RT: 13.11 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6771475
Ion Ratio Lower Upper
91 100
106 45.4 35.7 53.5

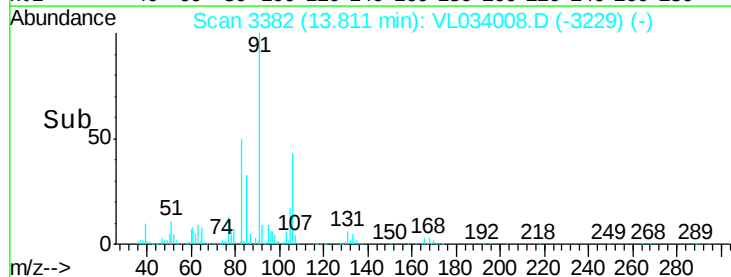
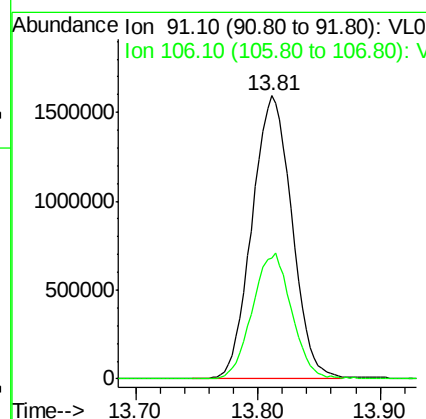
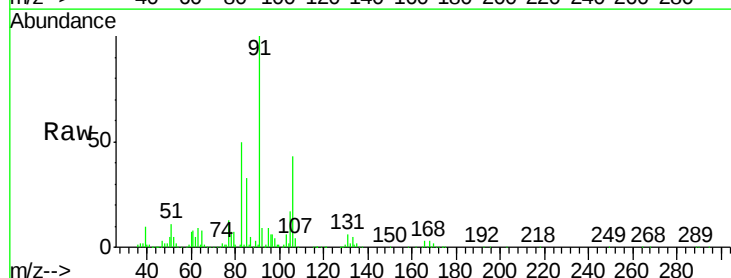
Manual Integrations
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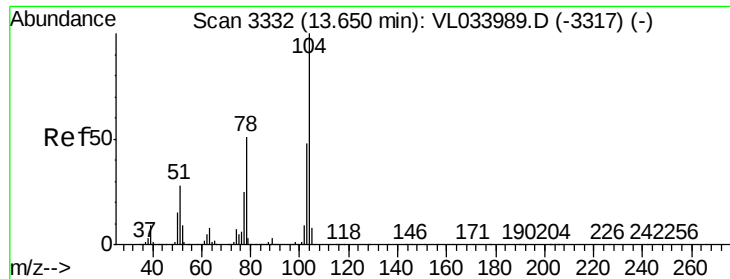
MMDadoda
7/10/2019 8:49:51 AM



#60
o-Xylene
Concen: 10.613 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 3601805
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.7





#61

Stvrene

Concen: 12.143 ppbv

RT: 13.65 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 2727398

Ion Ratio Lower Upper

104 100

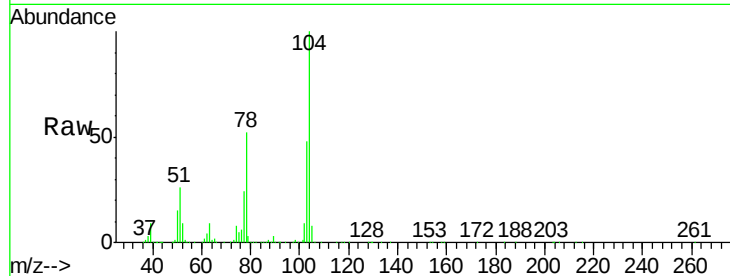
78 53.9 43.9 65.9

103 47.7 38.1 57.1

Manual Integrations
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MMDadoda

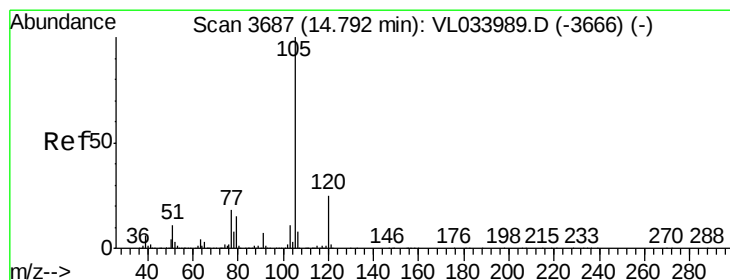
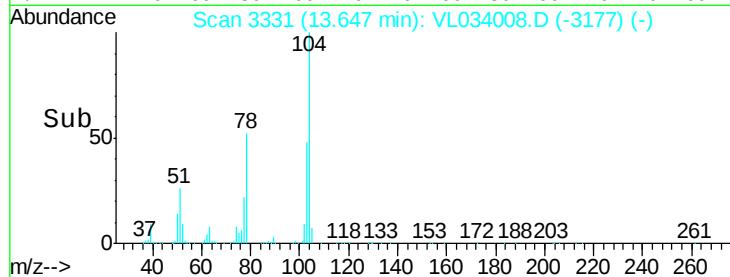
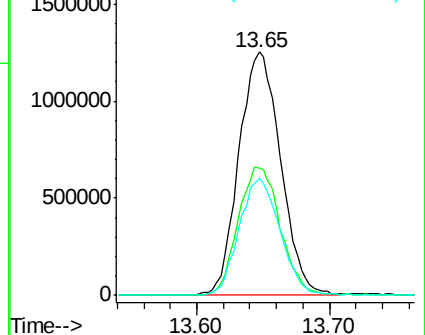
7/10/2019 8:49:51 AM



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: 9.272 ppbv

RT: 14.79 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VL034008.D

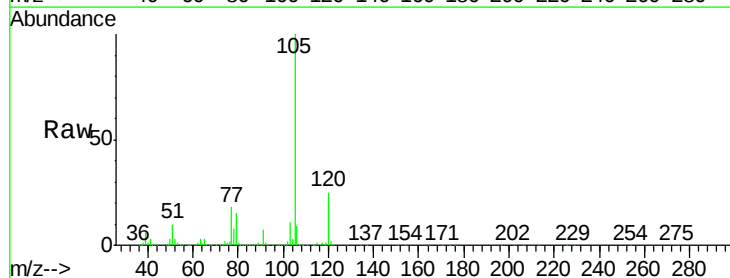
Acq: 8 Jul 2019 11:05

Tgt Ion:105 Resp: 4837241

Ion Ratio Lower Upper

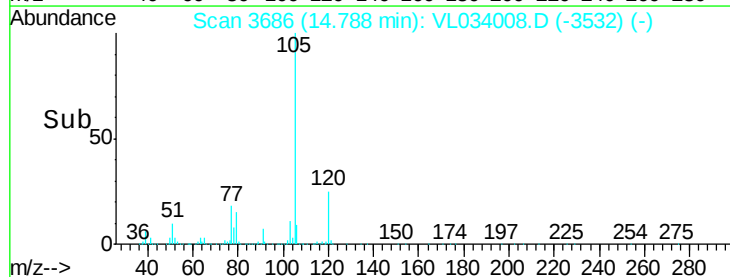
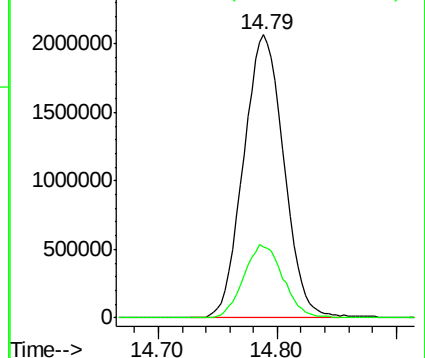
105 100

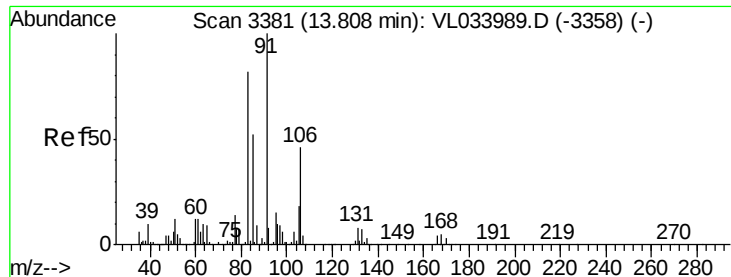
120 25.5 20.4 30.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





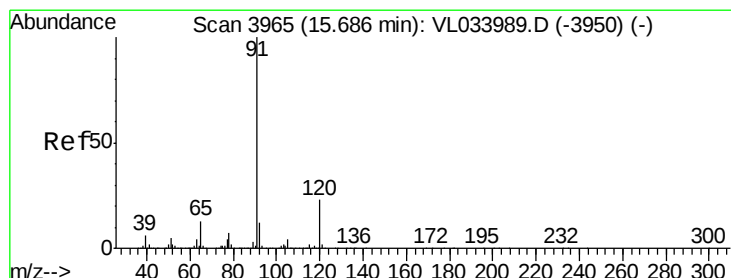
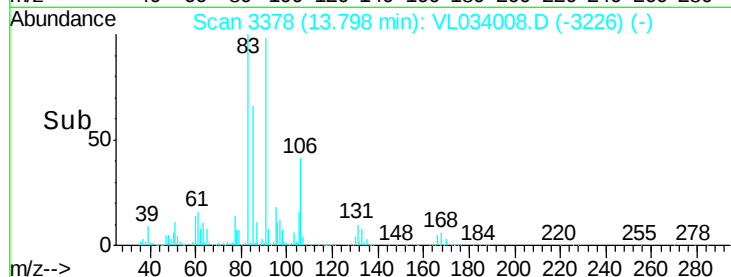
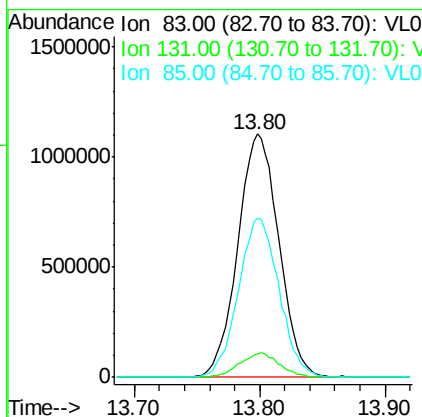
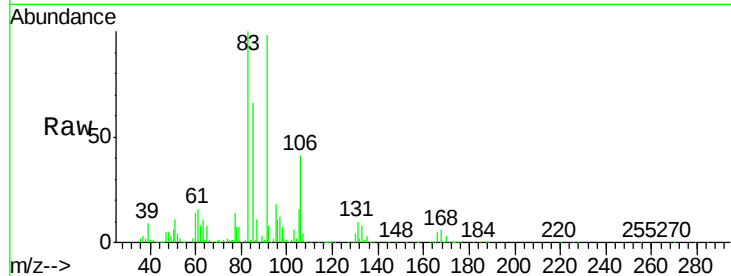
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.523 ppbv
 RT: 13.80 min Scan# 3378
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	2501696
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	65.3	32.8	98.3

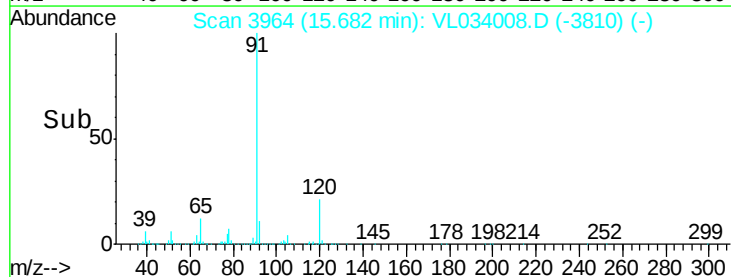
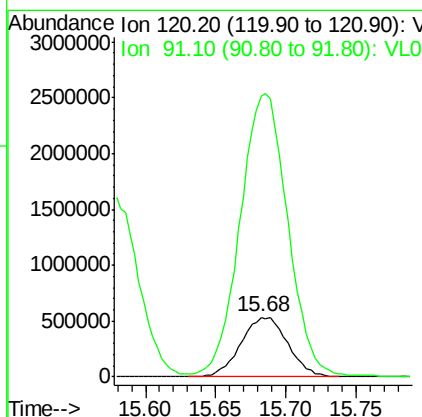
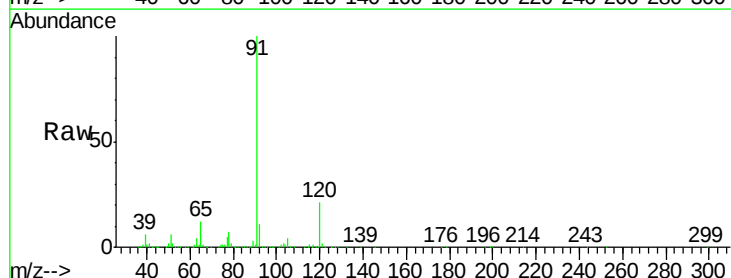
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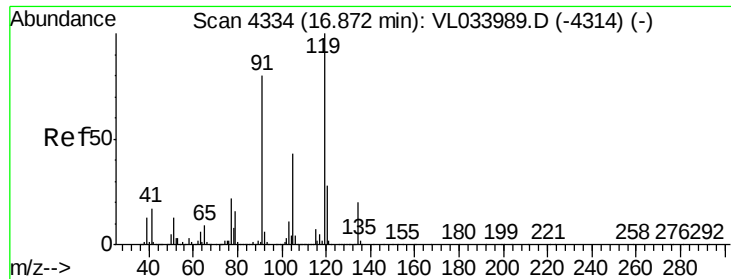
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 7/10/2019 8:49:51 AM



#64
 n-propylbenzene
 Concen: 9.100 ppbv
 RT: 15.68 min Scan# 3964
 Delta R.T. -0.00 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	120	Resp	1231192
Ion Ratio	Lower	Upper	
120	100		
91	488.0	386.6	579.8





#65

tert-Butylbenzene

Concen: 9.291 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 4122009

Ion Ratio Lower Upper

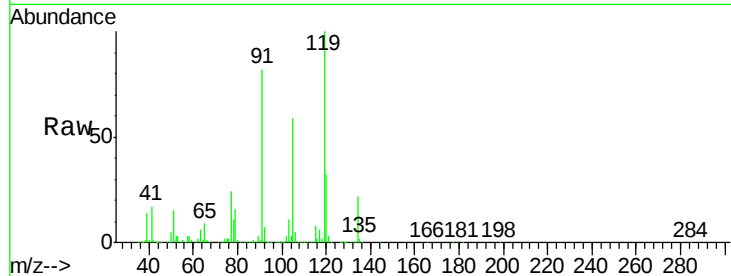
119 100

91 82.7 67.0 100.6

134 19.7 15.8 23.6

Manual Integrations
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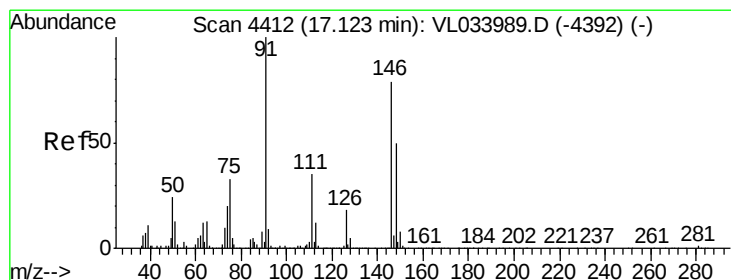
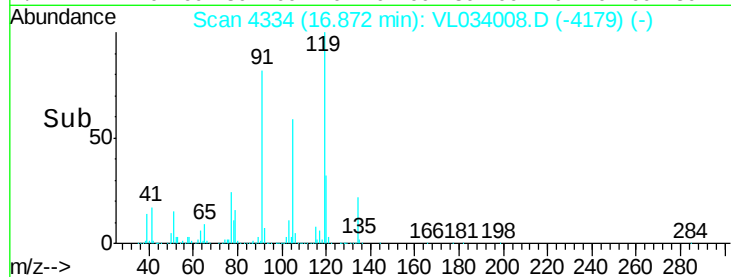
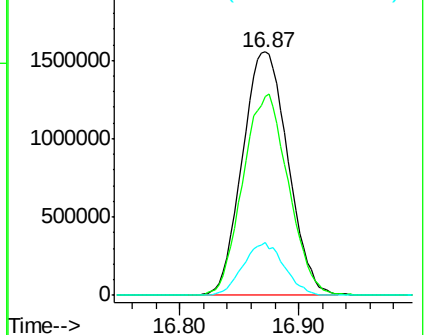
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.193 ppbv

RT: 17.12 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

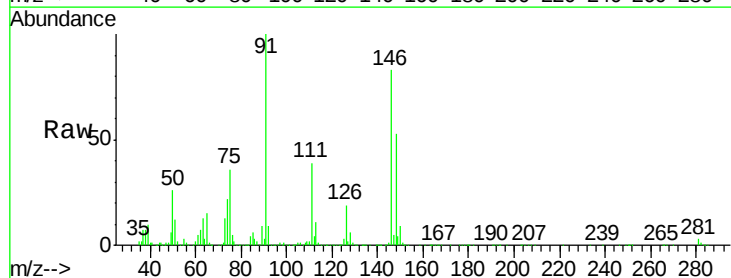
Tgt Ion: 91 Resp: 2313674

Ion Ratio Lower Upper

91 100

126 17.3 13.9 20.9

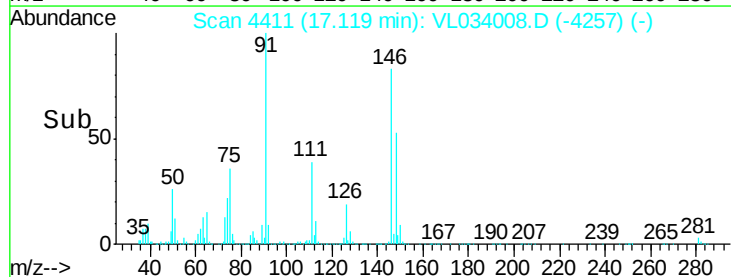
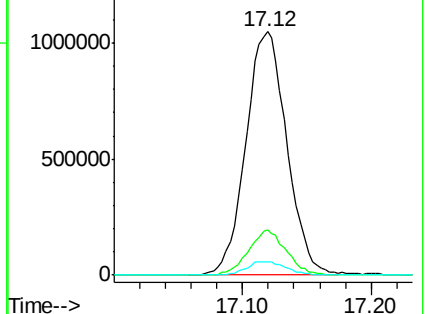
128 5.5 4.6 7.0

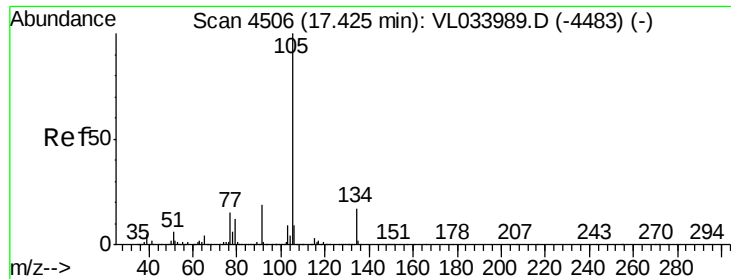


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





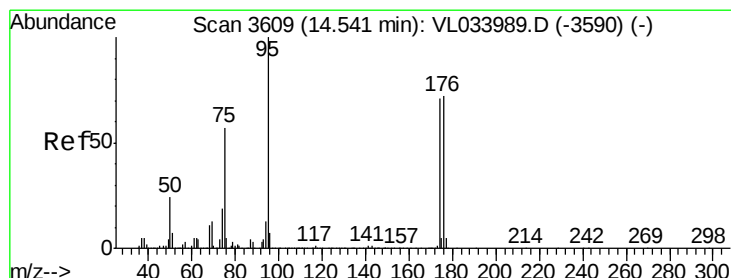
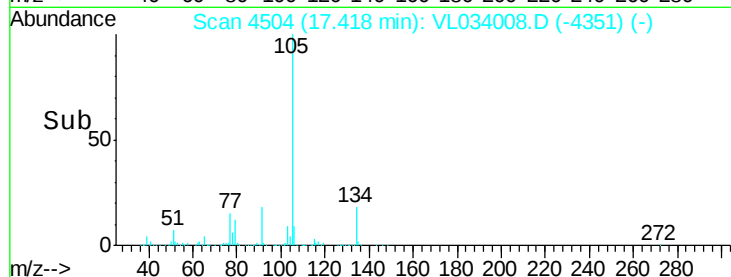
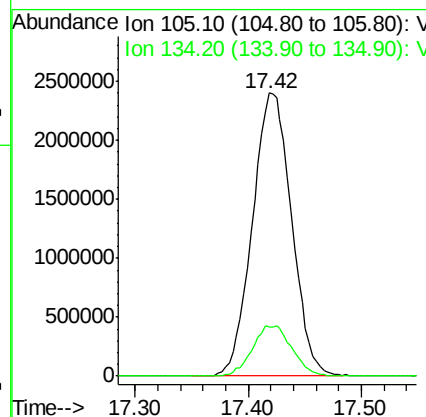
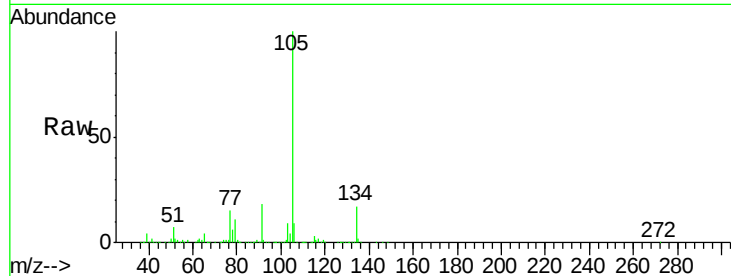
#67
 sec-Butylbenzene
 Concen: 9.262 ppbv
 RT: 17.42 min Scan# 4504
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 5767941
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1

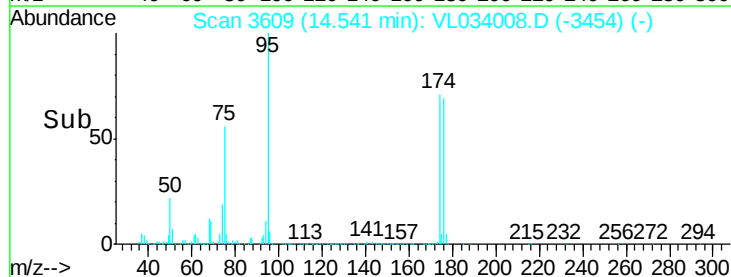
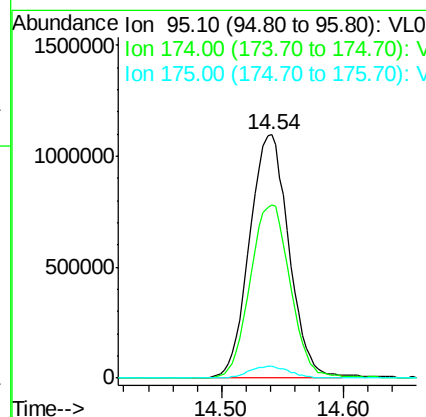
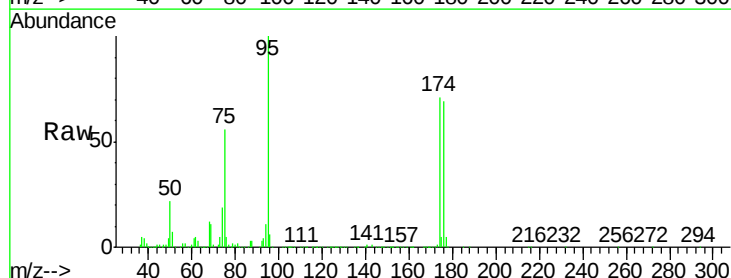
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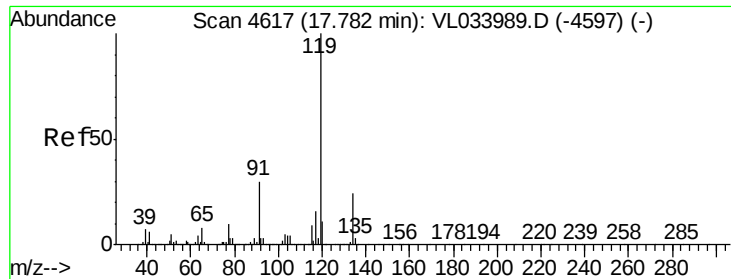
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.170 ppbv
 RT: 14.54 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion: 95 Resp: 2436717
 Ion Ratio Lower Upper
 95 100
 174 73.4 60.5 90.7
 175 5.1 4.0 6.0





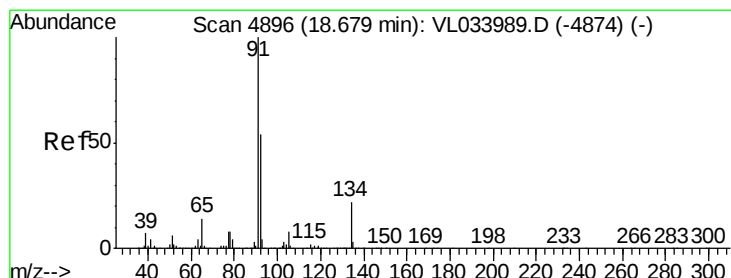
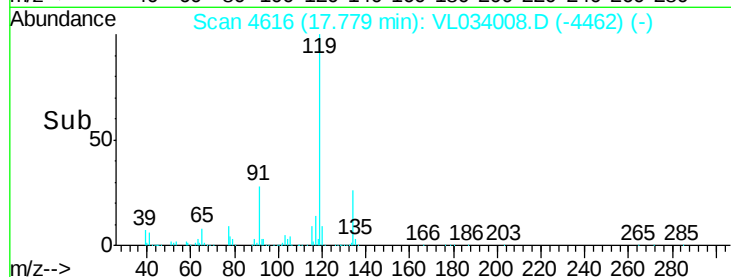
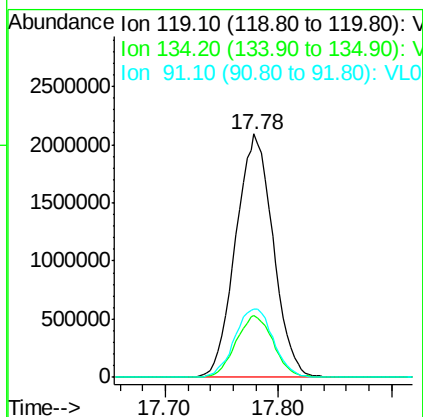
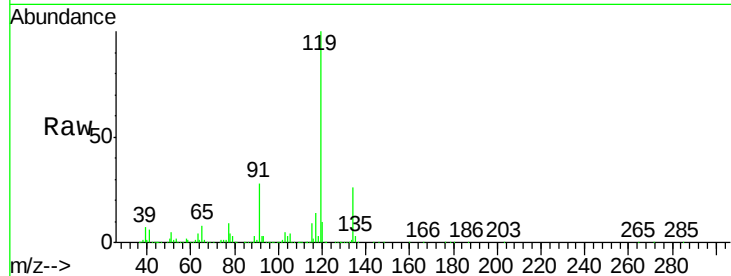
#69
p-Isopropyltoluene
Concen: 9.341 ppbv
RT: 17.78 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 4795864
Ion Ratio Lower Upper
119 100
134 25.4 20.1 30.1
91 29.4 23.6 35.4

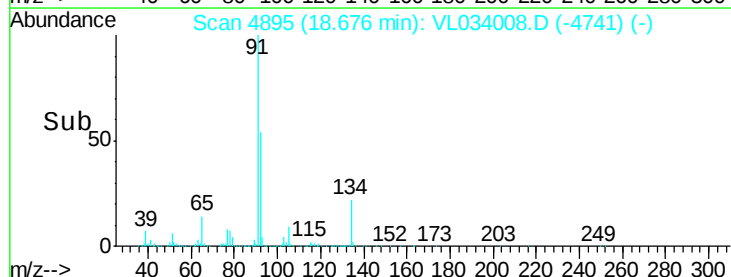
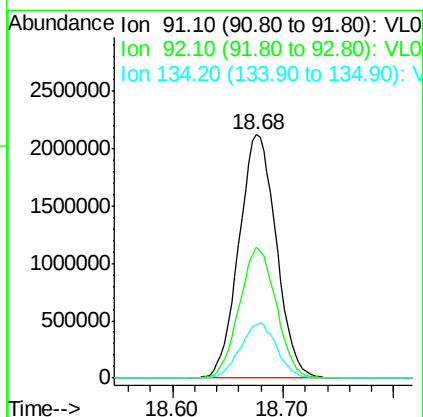
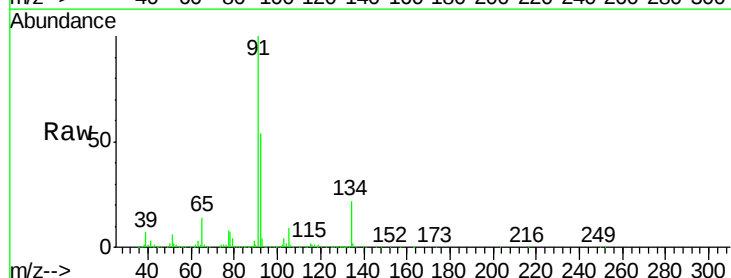
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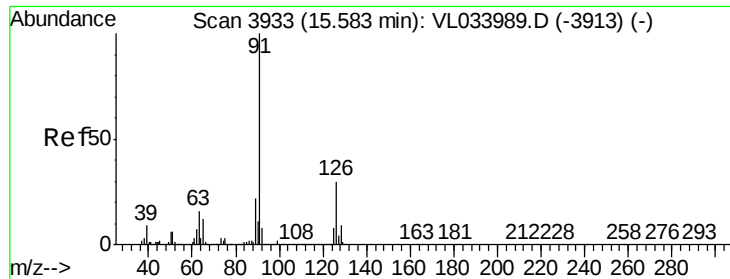
MMDadoda
7/10/2019 8:49:51 AM



#70
n-Butylbenzene
Concen: 9.191 ppbv
RT: 18.68 min Scan# 4895
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion: 91 Resp: 4957409
Ion Ratio Lower Upper
91 100
92 53.2 42.0 63.0
134 22.2 17.9 26.9





#71

2-Chlorotoluene

Concen: 9.557 ppbv

RT: 15.58 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3649054

Ion Ratio Lower Upper

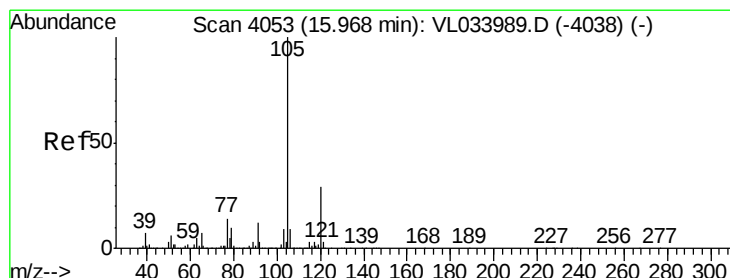
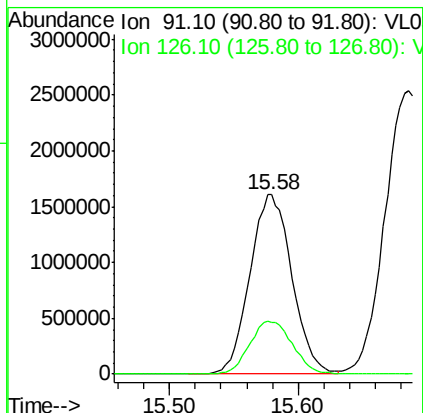
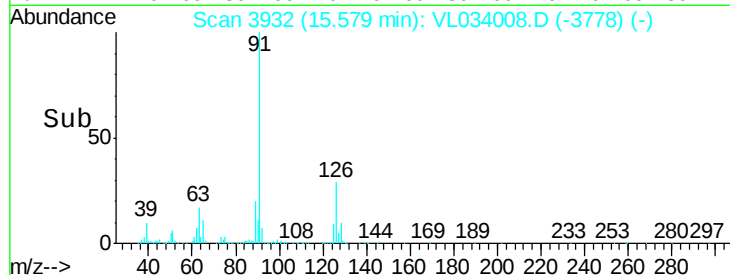
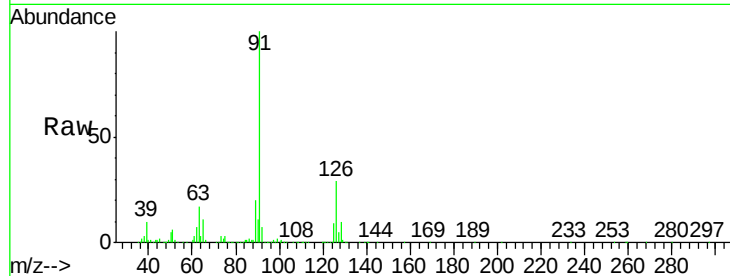
91 100

126 30.2 12.3 49.3

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#72

4-Ethyltoluene

Concen: 9.114 ppbv

RT: 15.96 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion: 105 Resp: 3972310

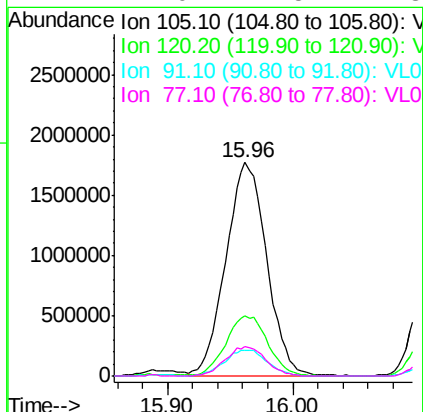
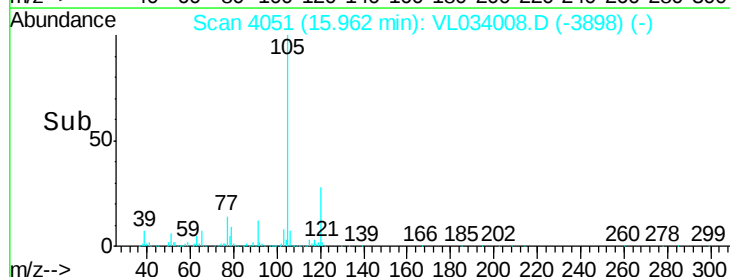
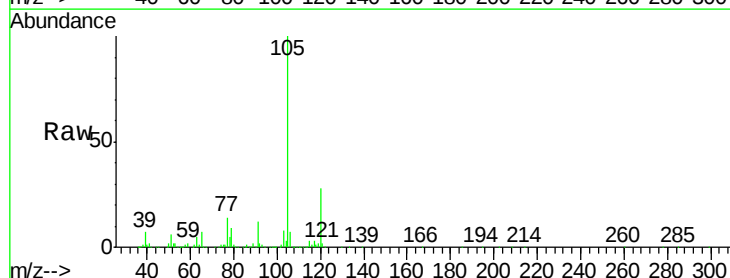
Ion Ratio Lower Upper

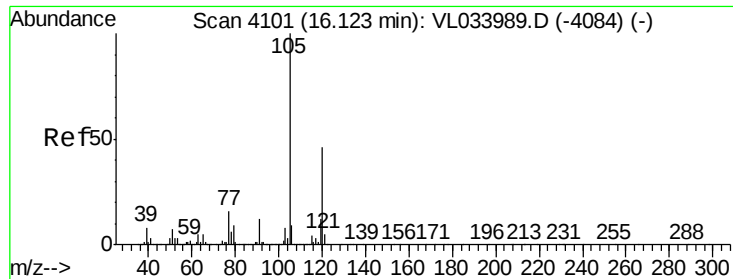
105 100

120 29.3 24.1 36.1

91 12.9 10.6 16.0

77 14.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.353 ppbv

RT: 16.12 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 3792959

Ion Ratio Lower Upper

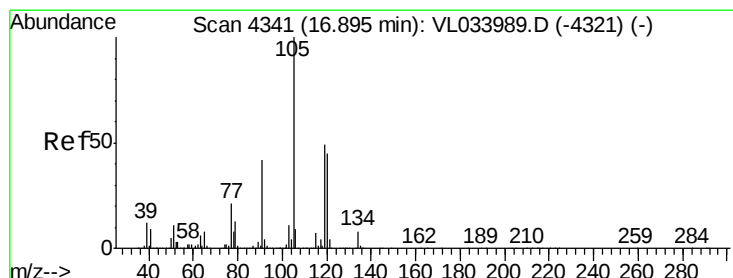
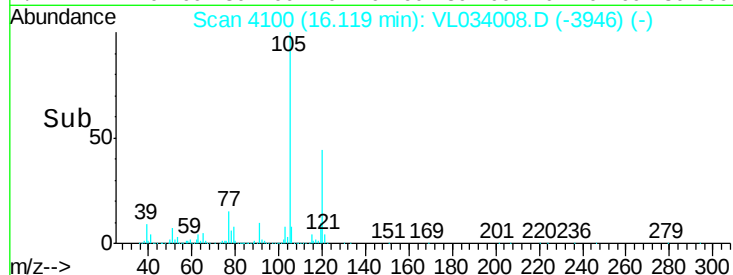
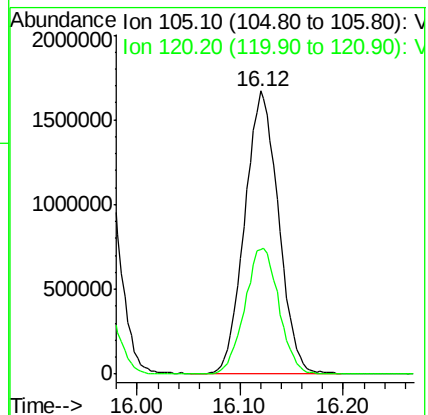
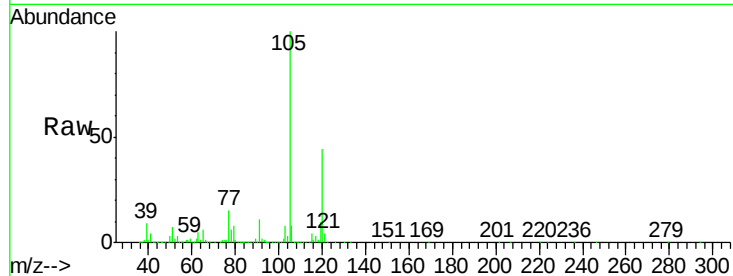
105 100

120 44.2 36.4 54.6

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#74

1,2,4-Trimethylbenzene

Concen: 8.927 ppbv

RT: 16.89 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL034008.D

Acq: 8 Jul 2019 11:05

Tgt Ion:105 Resp: 4009443

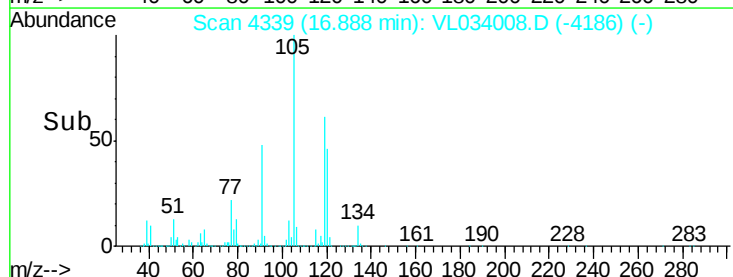
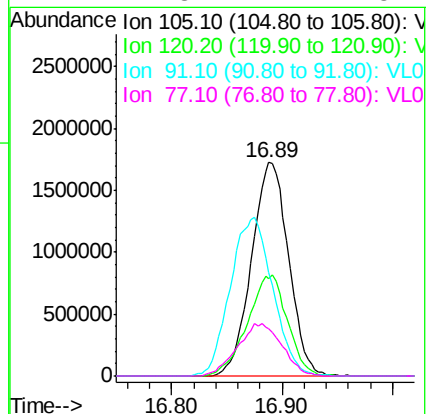
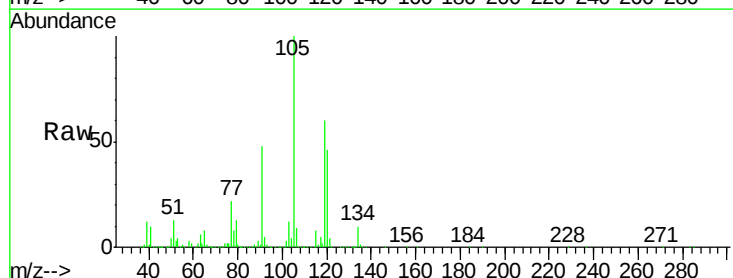
Ion Ratio Lower Upper

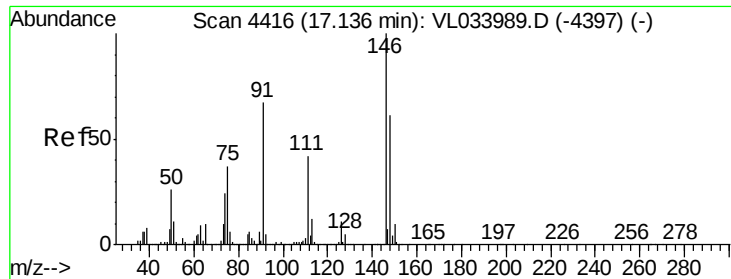
105 100

120 45.7 36.2 54.2

91 48.1 34.3 51.5

77 22.3 17.1 25.7





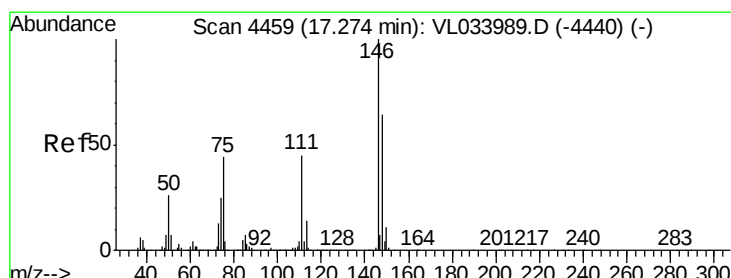
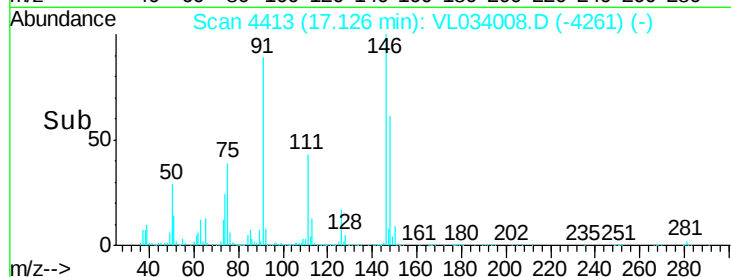
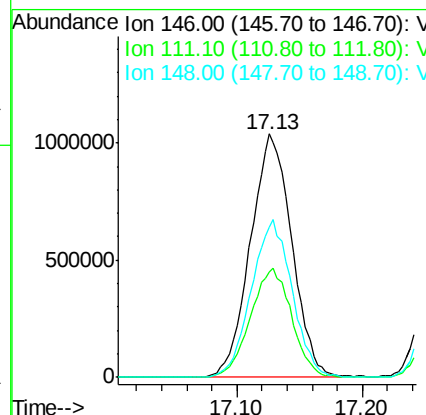
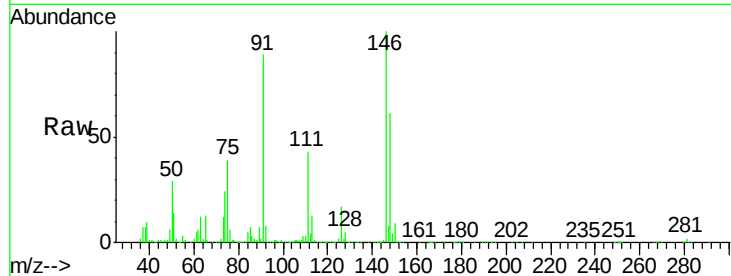
#75
 1,3-Dichlorobenzene
 Concen: 8.337 ppbv
 RT: 17.13 min Scan# 4413
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	63.9	32.0	96.2

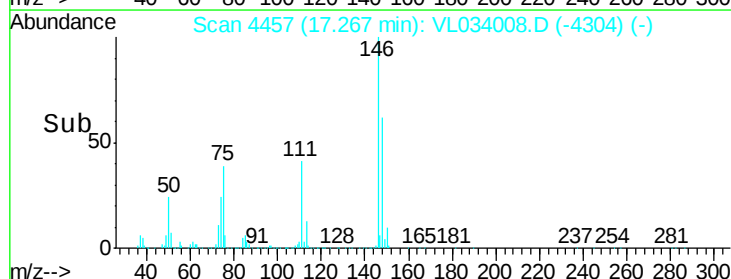
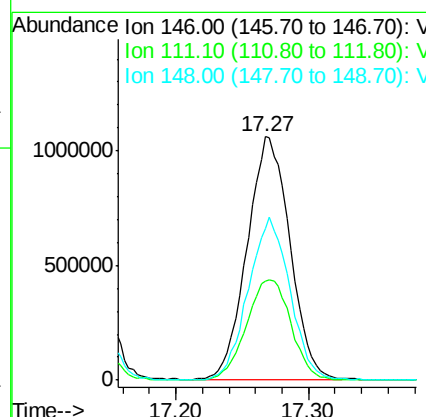
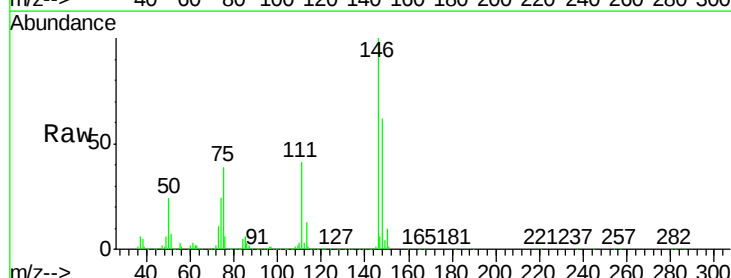
Manual Integrations
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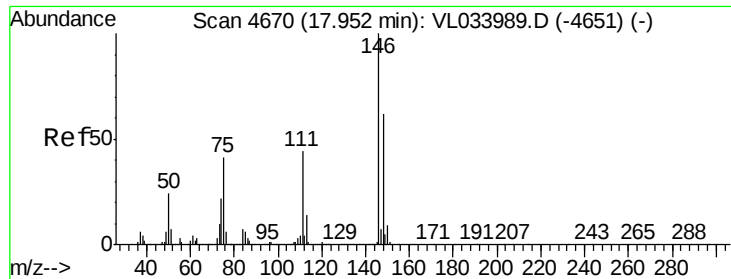
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#76
 1,4-Dichlorobenzene
 Concen: 8.850 ppbv
 RT: 17.27 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.5
148	64.8	32.5	97.5





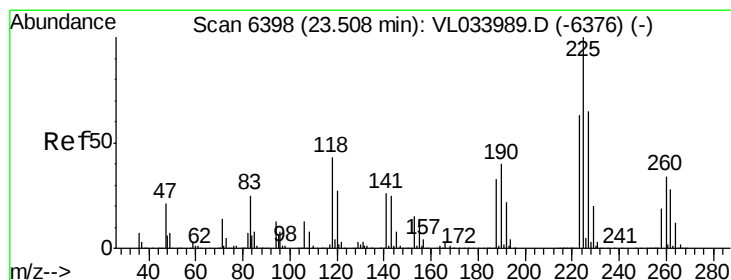
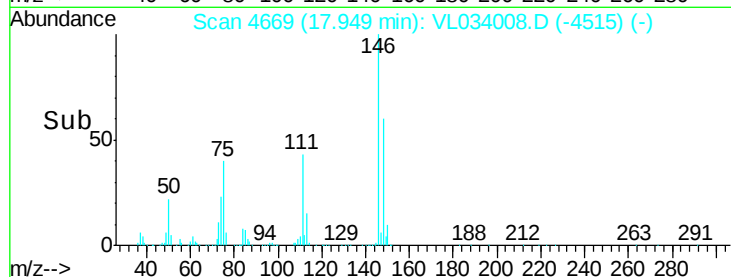
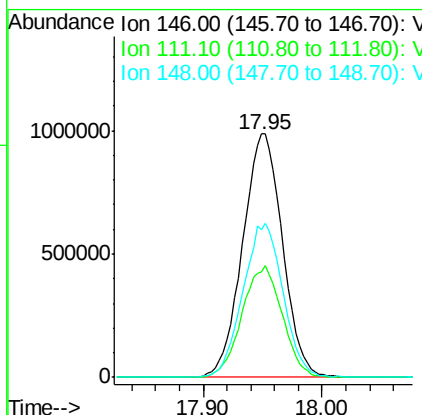
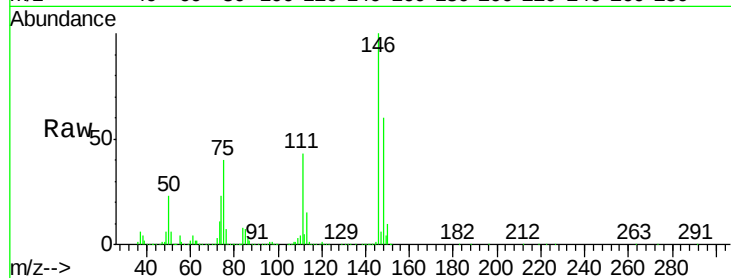
#77
 1,2-Dichlorobenzene
 Concen: 8.667 ppbv
 RT: 17.95 min Scan# 4669
 Delta R.T. -0.00 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2289763
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.7 68.1
 148 63.7 32.1 96.3

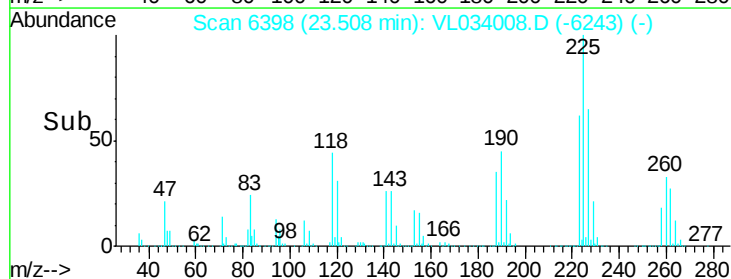
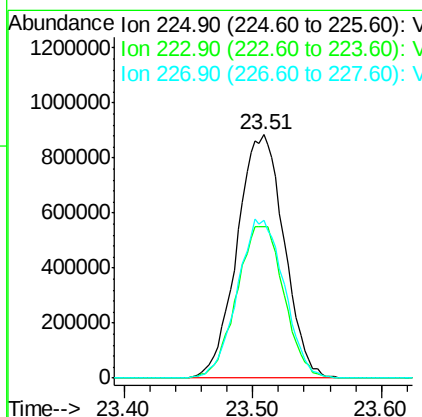
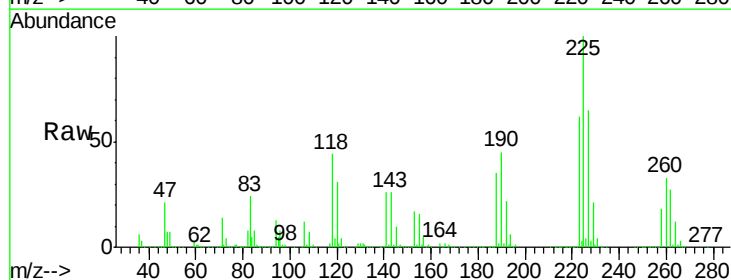
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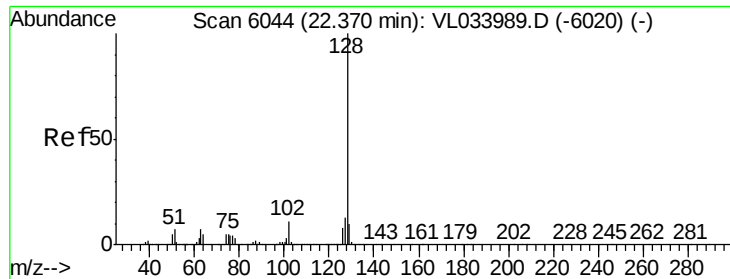
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.967 ppbv
 RT: 23.51 min Scan# 6398
 Delta R.T. -0.00 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Tgt Ion:225 Resp: 2240545
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.5 77.3
 227 65.0 52.1 78.1





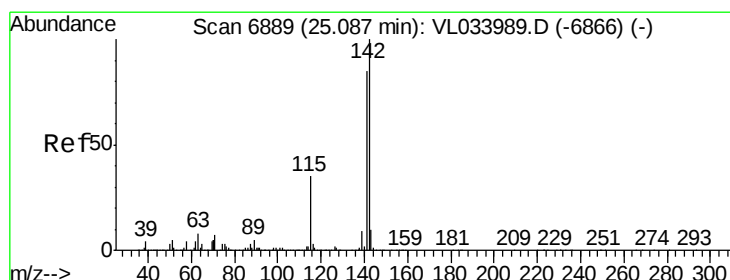
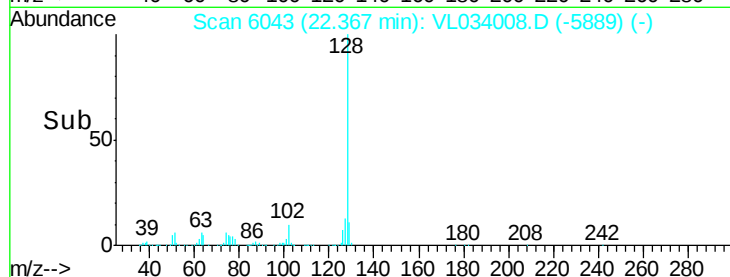
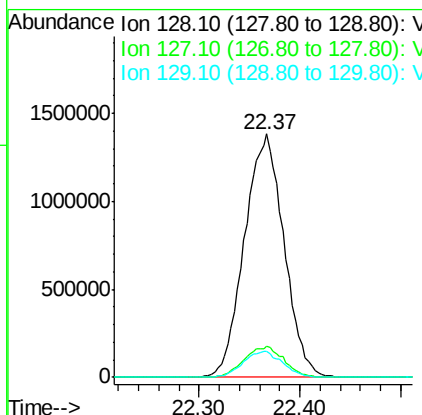
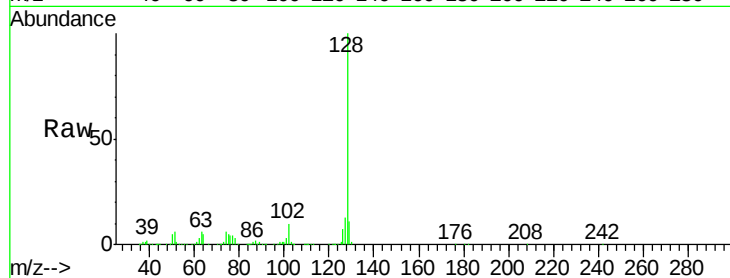
#79
Naphthalene
Concen: 9.944 ppbv
RT: 22.37 min Scan# 6043
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.6	8.3	12.5

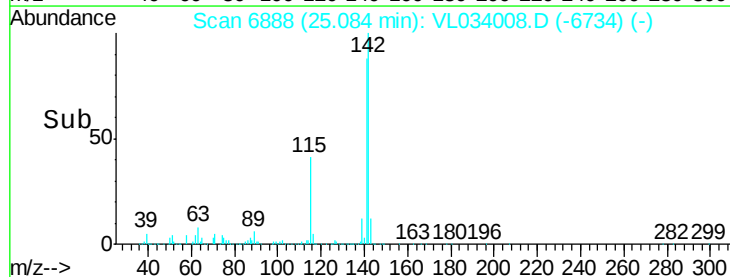
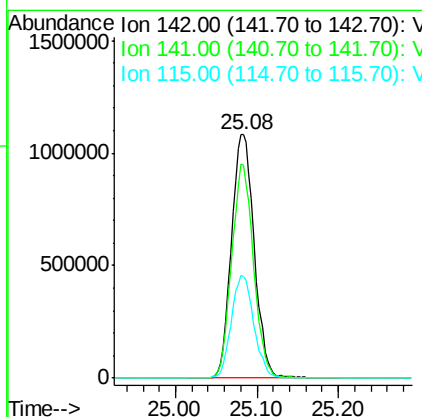
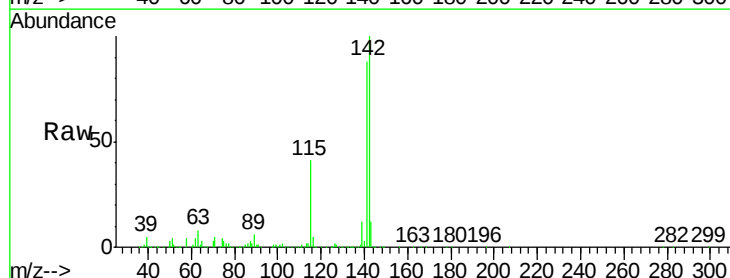
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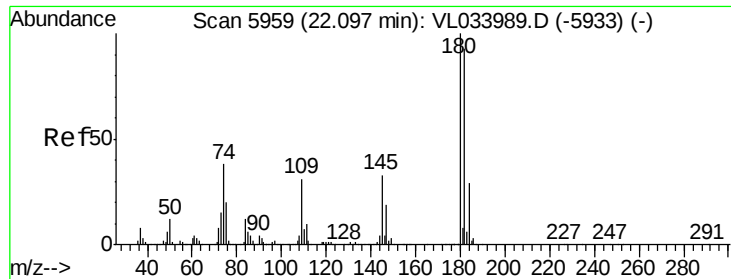
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#80
Naphthalene, 2-methyl-
Concen: 15.424 ppbv
RT: 25.08 min Scan# 6888
Delta R.T. -0.00 min
Lab File: VL034008.D
Acq: 8 Jul 2019 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.2	102.2
115	41.7	29.9	44.9





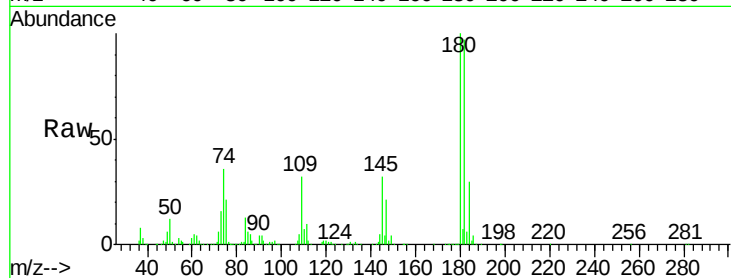
#81
 1,2,4-Trichlorobenzene
 Concen: 9.209 ppbv
 RT: 22.09 min Scan# 5957
 Delta R.T. -0.01 min
 Lab File: VL034008.D
 Acq: 8 Jul 2019 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	114.8
184	30.9	24.6	36.8

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

