

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111919\
 Data File : VL034375.D
 Acq On : 19 Nov 2019 10:30
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 3:52:59 PM

Quant Time: Nov 19 11:29:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.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	1097142	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	2227150	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.14	117	2298500	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1865794	9.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	330494	1.747	ppbv	98
3) Chlorodifluoromethane	2.96	51	295141	2.295	ppbv	97
4) Chloromethane	3.11	50	165803	2.180	ppbv	95
5) Vinyl Chloride	3.23	62	155976	2.150	ppbv	97
6) Bromomethane	3.45	94	78092	2.199	ppbv	98
7) Chloroethane	3.54	64	58670	2.298	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	385838	2.354	ppbv	100
9) Propene	2.98	41	125810	2.207	ppbv	96
10) Heptane	8.15	43	327262	2.237	ppbv	100
11) Trichlorofluoromethane	3.93	101	419676	2.337	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.48	101	272590	2.317	ppbv	100
13) Ethanol	3.58	45	39954	3.130	ppbv	90
14) Bromoethene	3.73	108	115879	2.502	ppbv	99
15) Acetone	3.84	43	338662	2.158	ppbv	100
16) 1,3-Butadiene	3.30	39	141593	2.221	ppbv	97
17) tert-Butyl alcohol	4.28	59	274052	2.736	ppbv	100
18) 1,1-Dichloroethene	4.28	96	122205	2.372	ppbv	89
19) Isopropyl Alcohol	3.95	45	229214	2.618	ppbv	100
20) Methylene Chloride	4.34	84	119088	2.099	ppbv	90
21) Allyl Chloride	4.40	41	198597	2.289	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	120523	2.346	ppbv	99
23) Vinyl Acetate	5.08	43	440358	2.247	ppbv	97
24) 1,1-Dichloroethane	5.01	63	336062	2.311	ppbv	98
25) Ethyl Acetate	5.68	43	602216	2.273	ppbv	99
26) Hexane	5.70	57	265590	2.352	ppbv	97
27) Carbon Disulfide	4.55	76	281288	2.399	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	430459	2.519	ppbv	98
29) Chloroform	5.76	83	409192	2.291	ppbv	94
30) Cyclohexane	7.15	84	191954	2.311	ppbv	88
31) cis-1,2-Dichloroethene	5.56	61	262409	2.290	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	394421	2.271	ppbv	99
34) 2-Butanone	5.25	43	391416	2.150	ppbv	99
35) Carbon Tetrachloride	7.04	117	409077	2.109	ppbv	92
36) Benzene	6.91	78	487238	2.280	ppbv	94
37) 1,2-Dichloroethane	6.33	62	349637	2.195	ppbv	99
38) Trichloroethene	7.87	130	184219	2.148	ppbv #	91
39) 1,2-Dichloropropane	7.64	63	200141	2.175	ppbv	96
40) 1,4-Dioxane	7.87	88	78390m	2.424	ppbv	
41) Tetrahydrofuran	6.07	42	219205	2.170	ppbv	96
42) Bromodichloromethane	7.82	83	444631	2.279	ppbv #	98
43) Methyl Methacrylate	8.04	69	191664	2.169	ppbv	98

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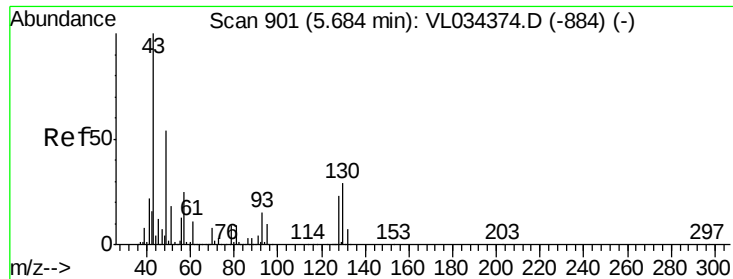
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	889947	2.250	ppbv	97
45) t-1,3-Dichloropropene	9.32	75	251635	2.337	ppbv	92
46) cis-1,3-Dichloropropene	8.74	75	287724	2.326	ppbv	93
47) 1,1,2-Trichloroethane	9.52	97	205176	2.201	ppbv	95
48) Dibromochloromethane	10.35	129	354106	2.316	ppbv	99
49) Bromoform	13.10	173	319786	2.360	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	568286	2.181	ppbv	99
51) 2-Hexanone	10.18	43	485134	2.271	ppbv #	100
52) Tetrachloroethene	11.27	164	182242	2.176	ppbv	99
53) Toluene	9.85	91	540229	2.291	ppbv	99
54) 1,2-Dibromoethane	10.66	107	307387	2.225	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.18	131	236173m	2.230	ppbv	
57) Chlorobenzene	12.20	112	434528	2.266	ppbv	98
58) Ethyl Benzene	12.76	91	779293	2.425	ppbv #	88
59) m/p-Xylene	13.05	91	1335679m	4.798	ppbv	
60) o-Xylene	13.75	91	652303	2.353	ppbv	99
61) Styrene	13.59	104	482497m	2.472	ppbv	
62) Isopropylbenzene	14.72	105	887106	2.424	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.73	83	473540m	2.126	ppbv	
64) n-propylbenzene	15.62	120	225204	2.398	ppbv	90
65) tert-Butylbenzene	16.81	119	814815	2.512	ppbv	98
66) Benzyl Chloride	17.05	91	292885	2.286	ppbv	100
67) sec-Butylbenzene	17.36	105	1135679	2.488	ppbv	96
69) p-Isopropyltoluene	17.72	119	951545	2.557	ppbv	96
70) n-Butylbenzene	18.62	91	1020057	2.520	ppbv	96
71) 2-Chlorotoluene	15.51	91	706616	2.490	ppbv	99
72) 4-Ethyltoluene	15.90	105	767776	2.464	ppbv	98
73) 1,3,5-Trimethylbenzene	16.06	105	747744	2.422	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	806910	2.506	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	451377	2.335	ppbv	100
76) 1,4-Dichlorobenzene	17.20	146	436822	2.313	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	451083	2.380	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	388220	2.476	ppbv	100
79) Naphthalene	22.30	128	731583m	3.111	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	344766	5.071	ppbv	94
81) 1,2,4-Trichlorobenzene	22.01	180	445402m	2.899	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1097142

Ion Ratio Lower Upper

49 100

128 43.7 20.6 61.8

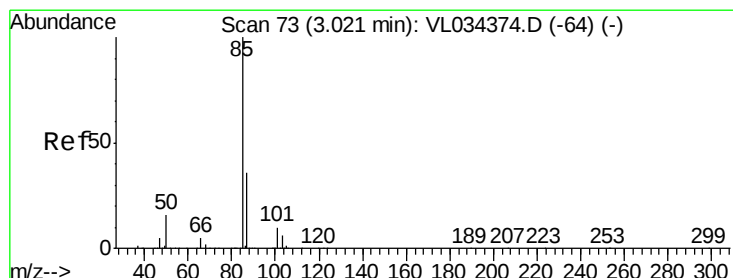
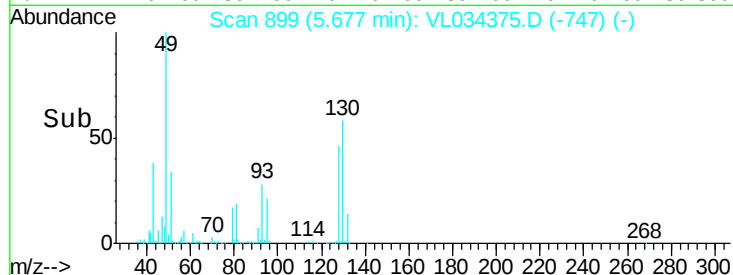
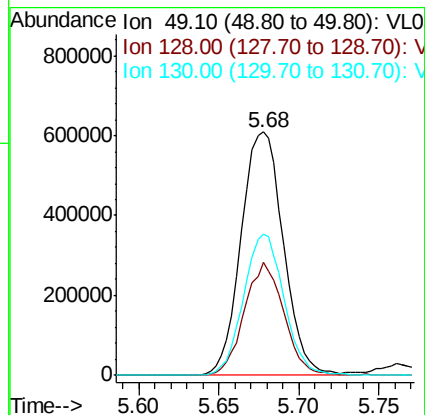
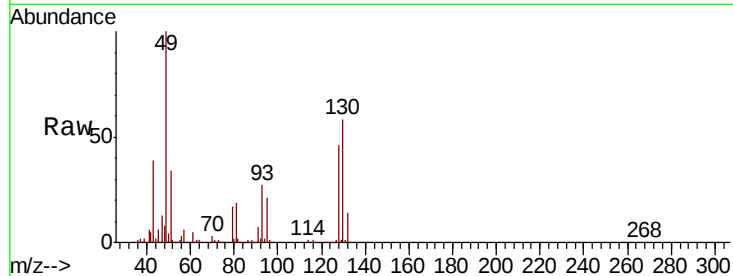
130 55.7 26.2 78.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.747 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL034375.D

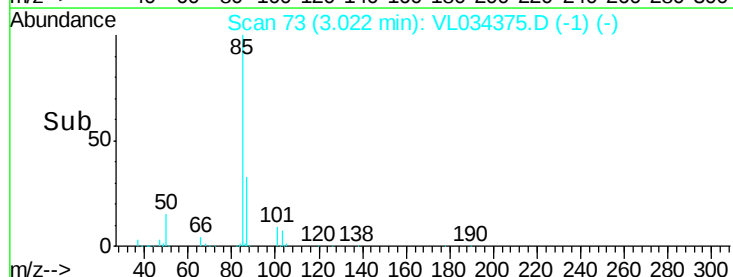
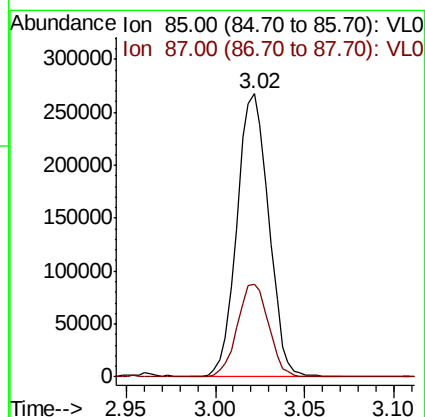
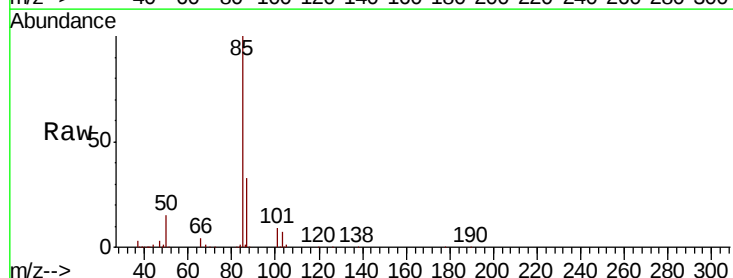
Acq: 19 Nov 2019 10:30

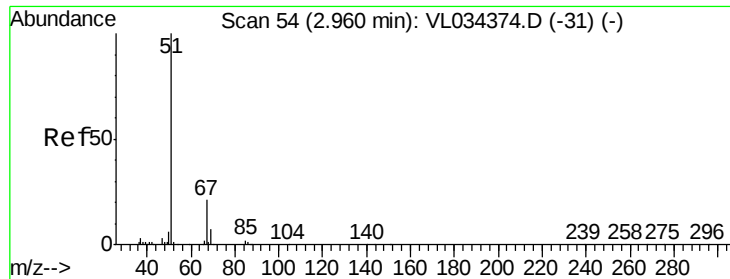
Tgt Ion: 85 Resp: 330494

Ion Ratio Lower Upper

85 100

87 32.6 27.0 40.6





#3

Chlorodifluoromethane

Concen: 2.295 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 295141

Ion Ratio Lower Upper

51 100

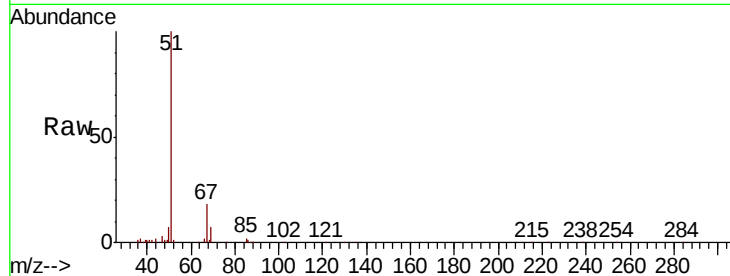
67 18.5 15.8 23.8

Manual Integrations

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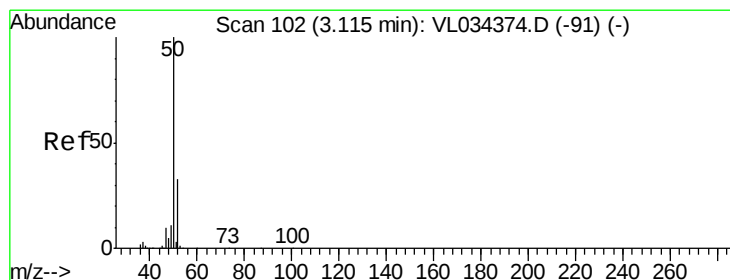
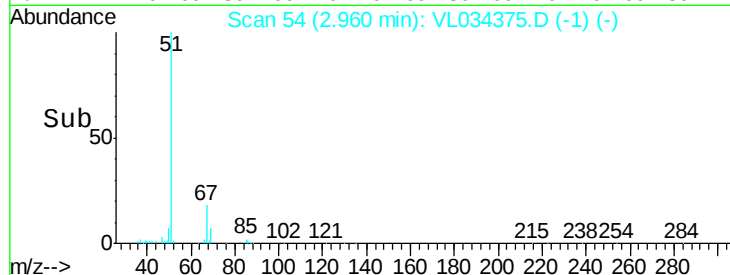
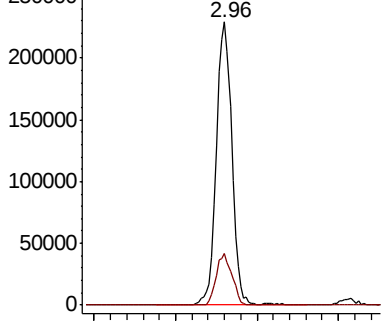
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.180 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL034375.D

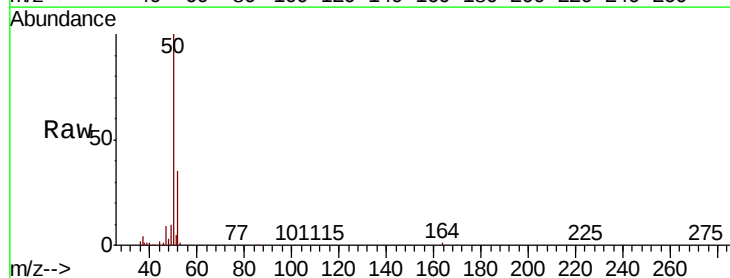
Acq: 19 Nov 2019 10:30

Tgt Ion: 50 Resp: 165803

Ion Ratio Lower Upper

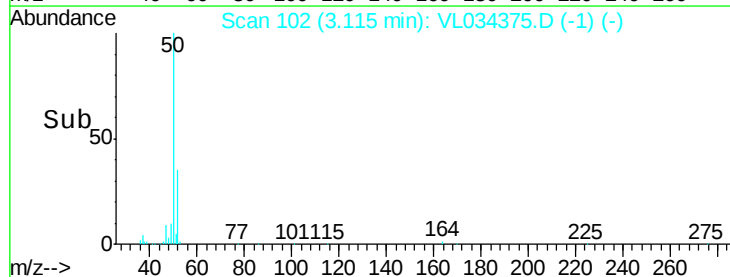
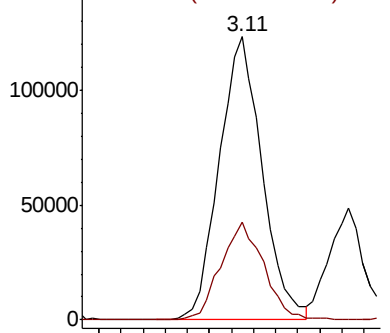
50 100

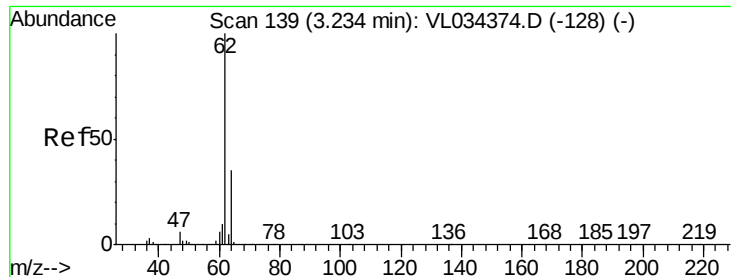
52 34.7 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.150 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 155976

Ion Ratio Lower Upper

62 100

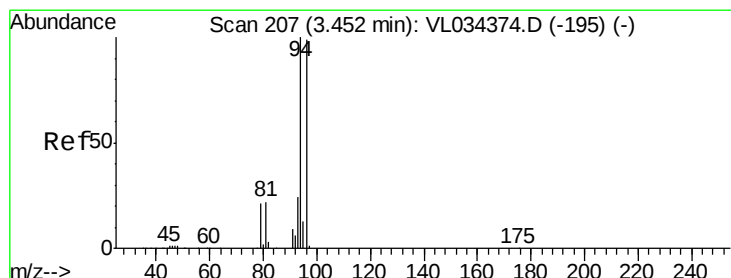
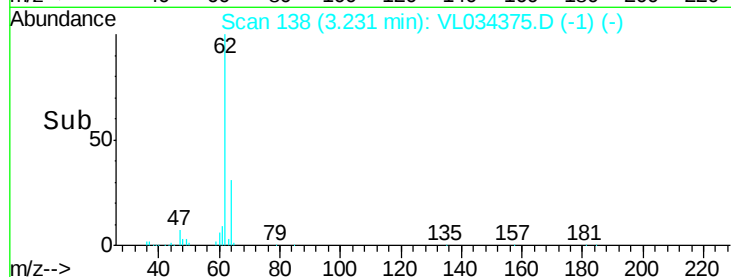
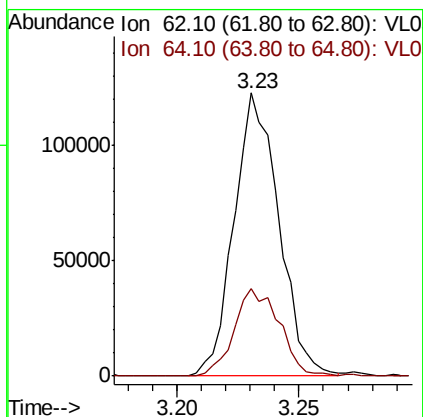
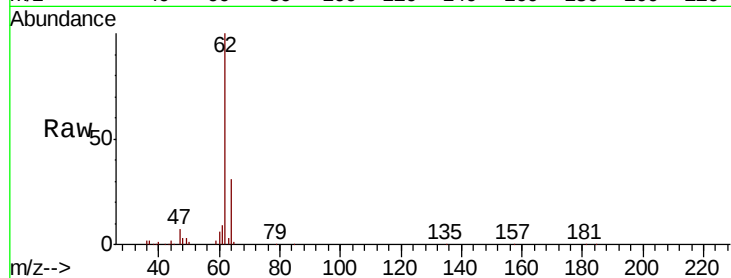
64 31.0 26.0 39.0

Manual Integrations

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#6

Bromomethane

Concen: 2.199 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL034375.D

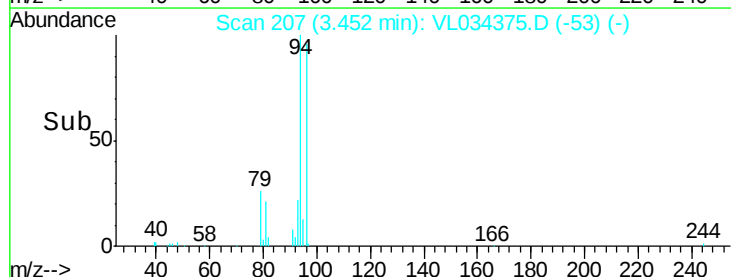
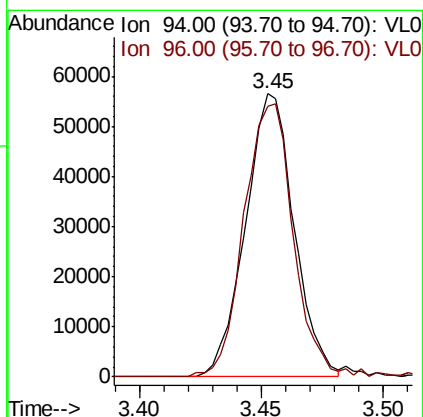
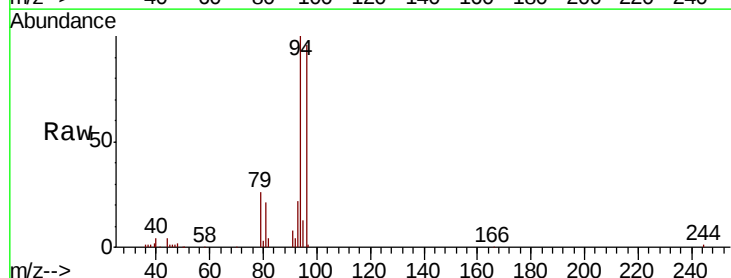
Acq: 19 Nov 2019 10:30

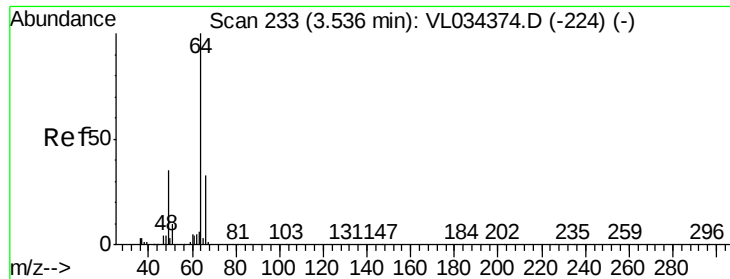
Tgt Ion: 94 Resp: 78092

Ion Ratio Lower Upper

94 100

96 95.5 74.6 112.0





#7

Chloroethane

Concen: 2.298 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 58670

Ion Ratio Lower Upper

64 100

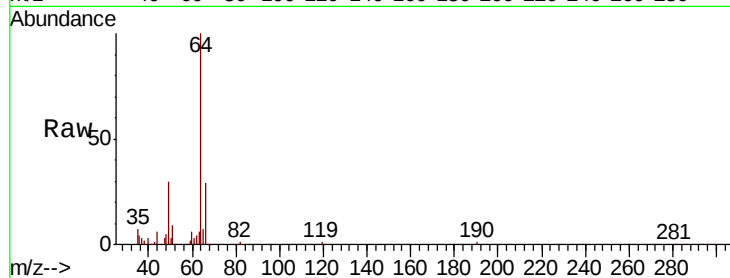
66 28.7 25.4 38.0

Manual Integrations

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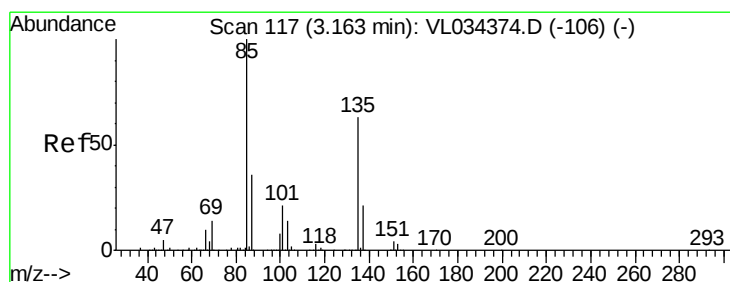
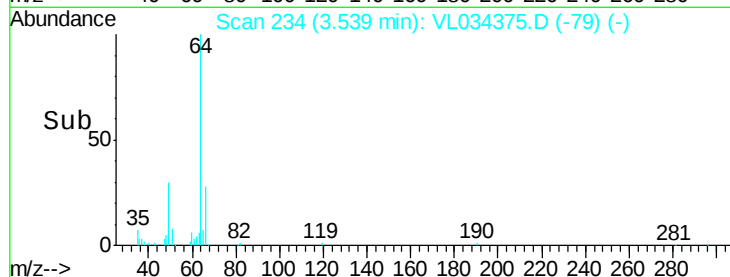
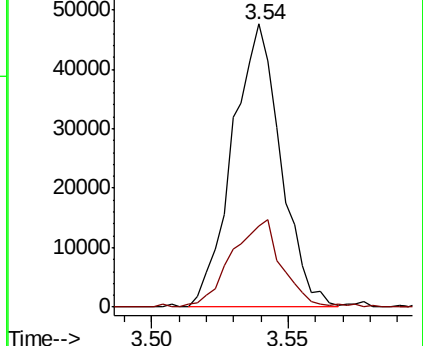
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.354 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL034375.D

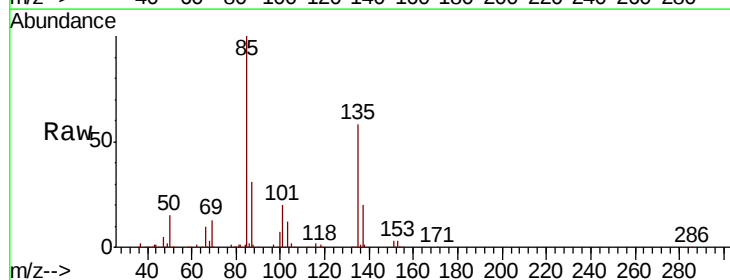
Acq: 19 Nov 2019 10:30

Tgt Ion: 85 Resp: 385838

Ion Ratio Lower Upper

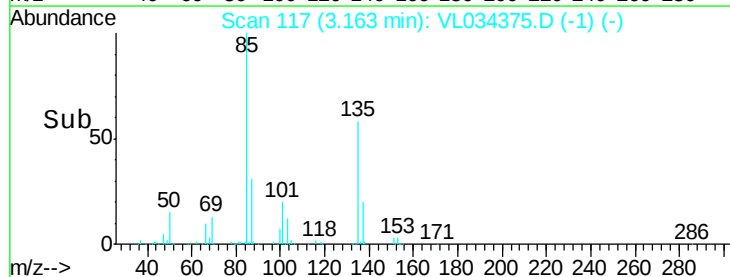
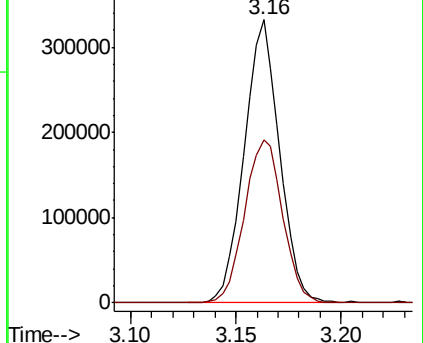
85 100

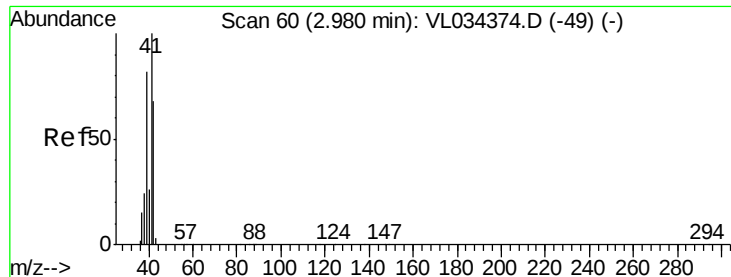
135 62.4 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 2.207 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 125810

Ion Ratio Lower Upper

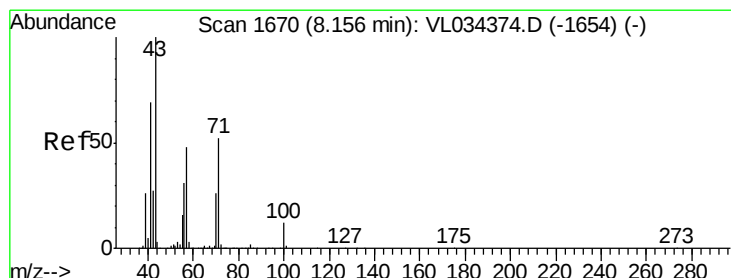
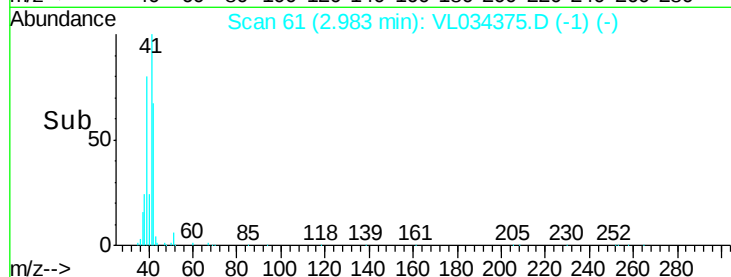
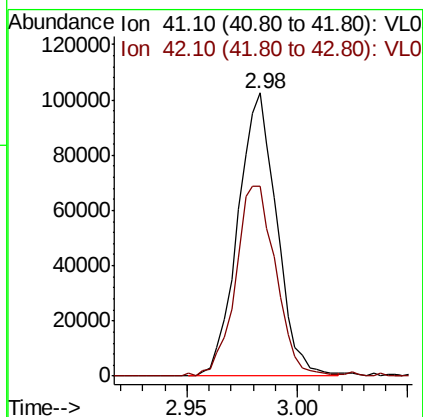
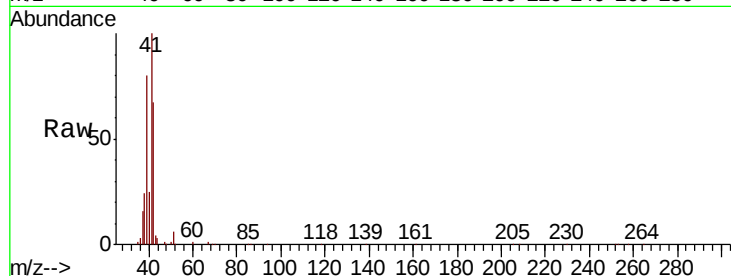
41 100

42 70.5 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 2.237 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VL034375.D

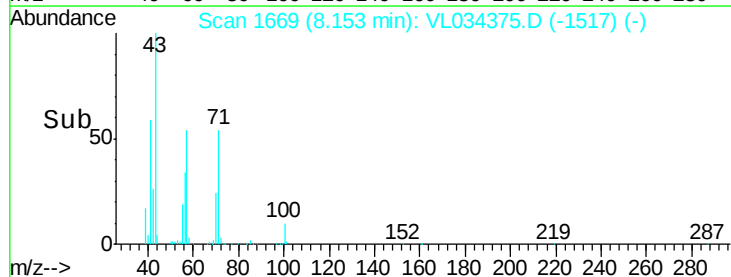
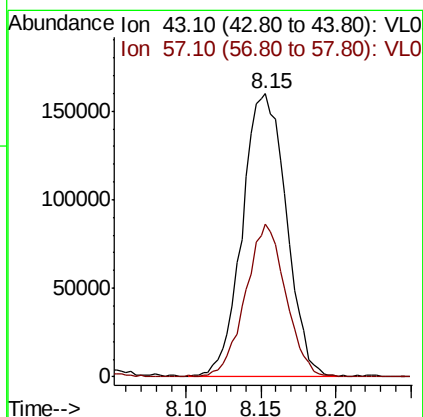
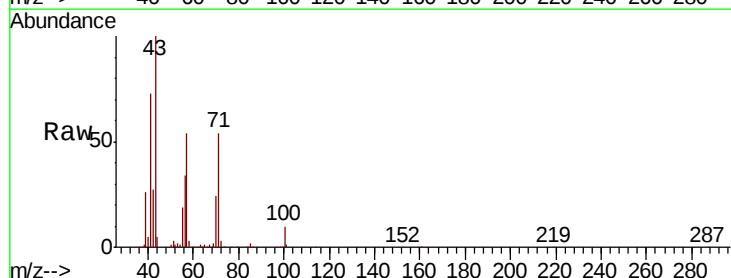
Acq: 19 Nov 2019 10:30

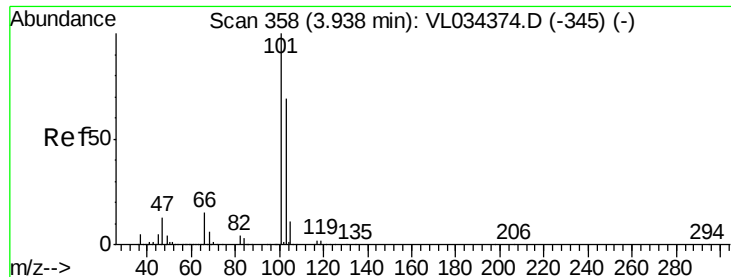
Tgt Ion: 43 Resp: 327262

Ion Ratio Lower Upper

43 100

57 49.5 39.5 59.3





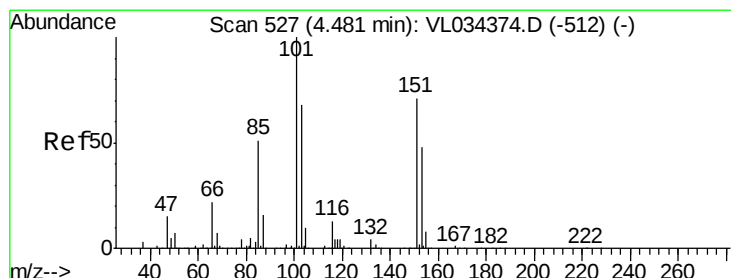
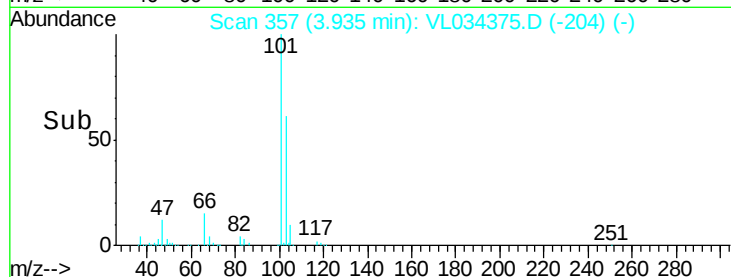
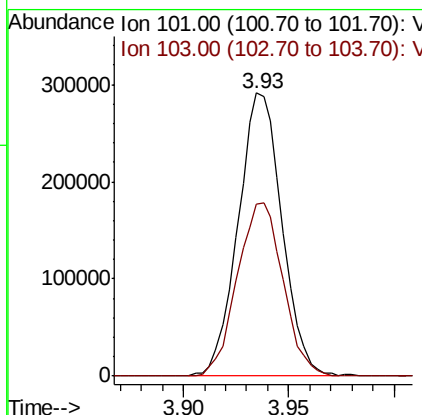
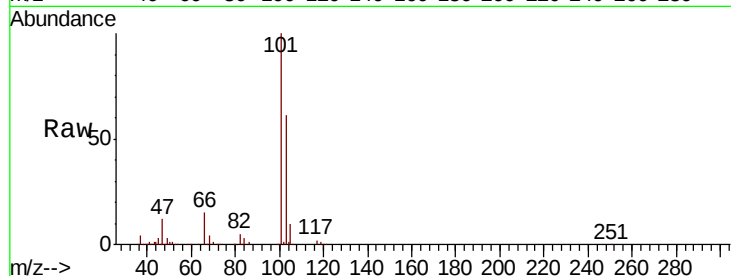
#11
 Trichlorofluoromethane
 Concen: 2.337 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	54.5	81.7

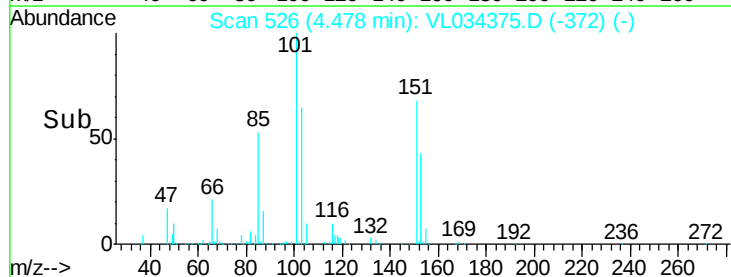
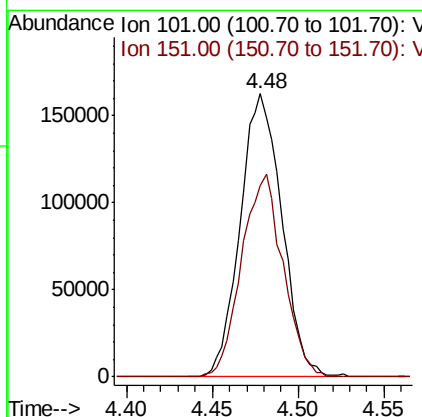
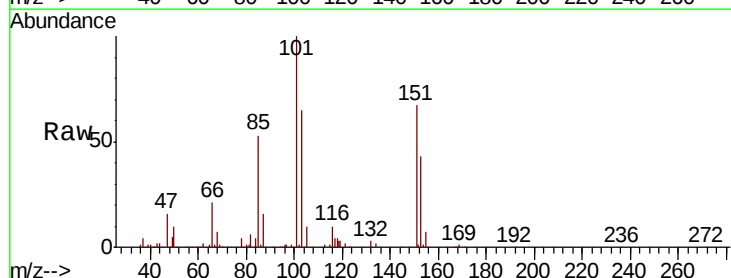
Manual Integrations
 APPROVED

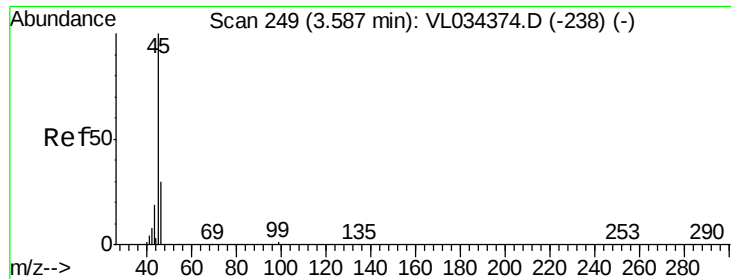
MMDadoda
 11/20/2019 3:52:59 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.317 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.5	57.4	86.2





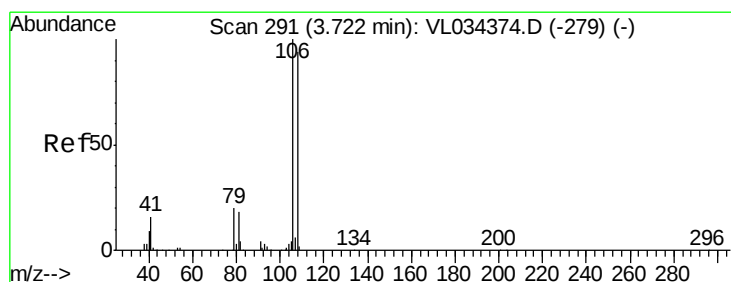
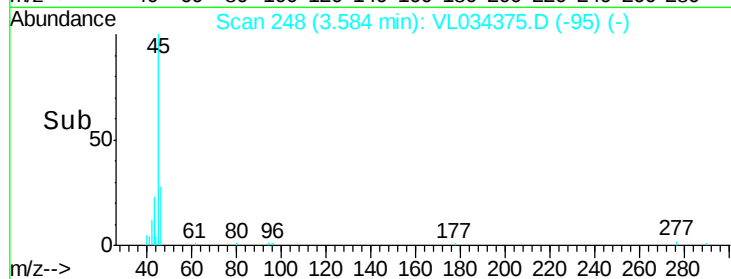
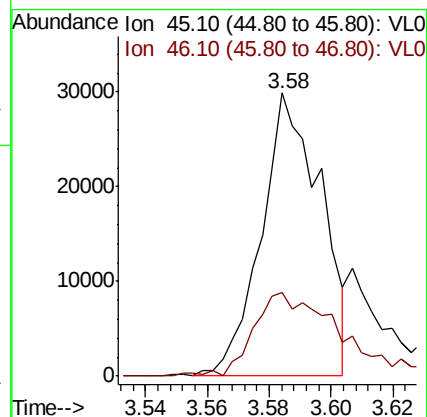
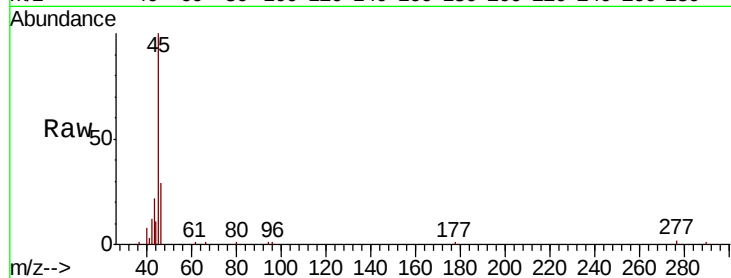
#13
Ethanol
Concen: 3.130 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	45.5	15.8	63.2

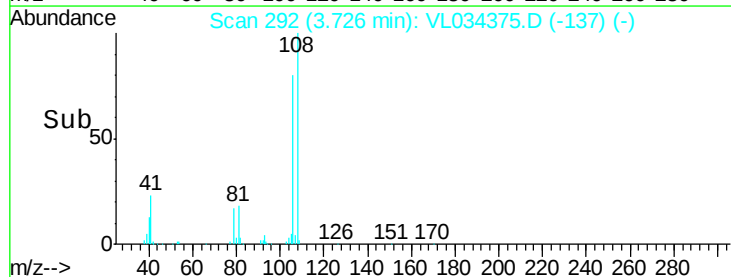
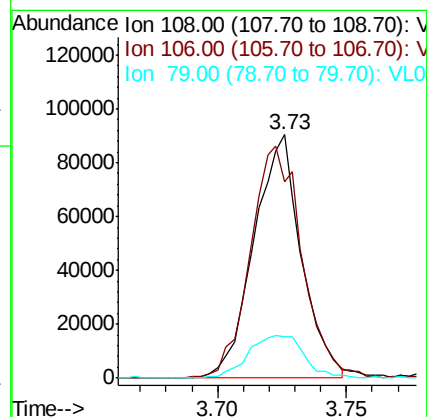
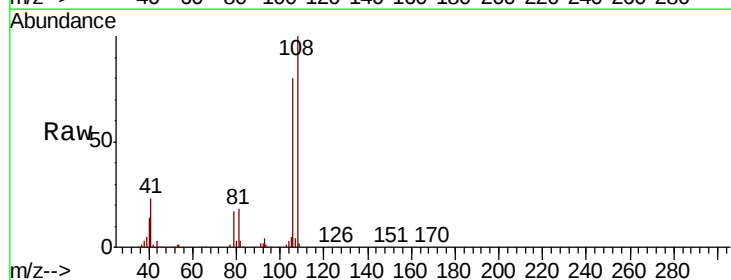
Manual Integrations
APPROVED

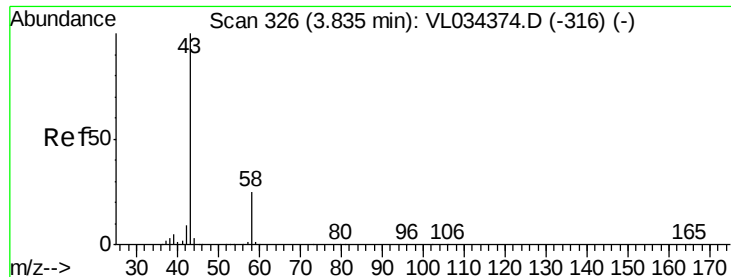
MMDadoda
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#14
Bromoethene
Concen: 2.502 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
108	100		
106	104.7	84.8	127.2
79	21.3	17.0	25.4





#15

Acetone

Concen: 2.158 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 338662

Ion Ratio Lower Upper

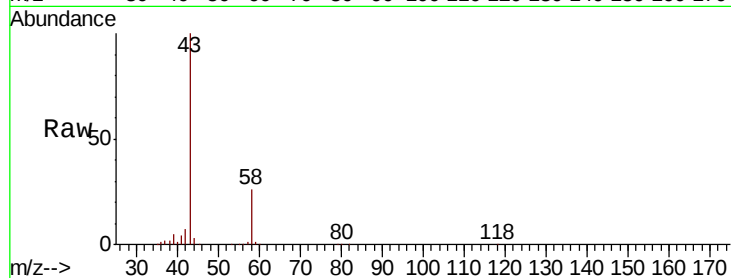
43 100

58 25.7 20.4 30.6

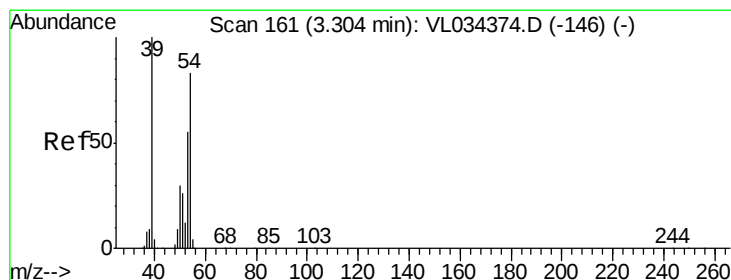
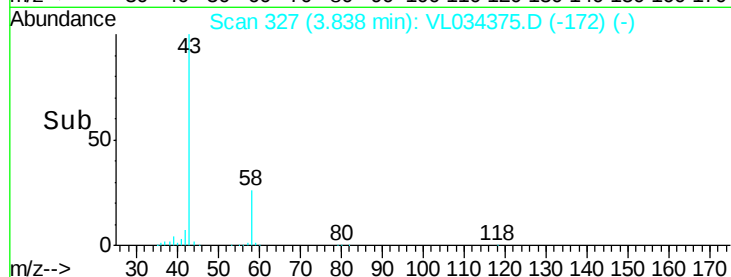
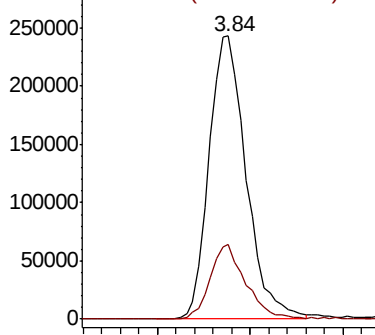
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 2.221 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.01 min

Lab File: VL034375.D

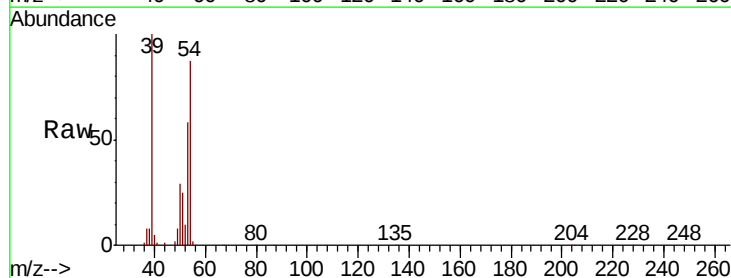
Acq: 19 Nov 2019 10:30

Tgt Ion: 39 Resp: 141593

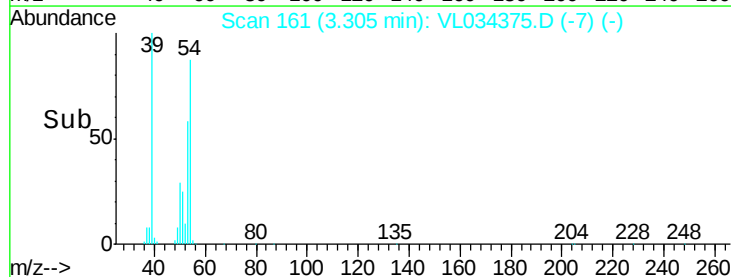
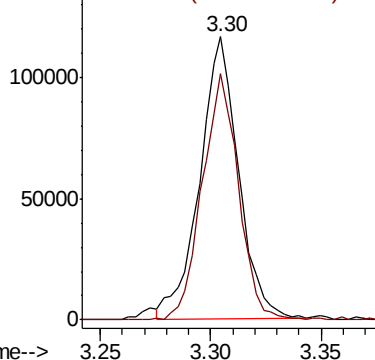
Ion Ratio Lower Upper

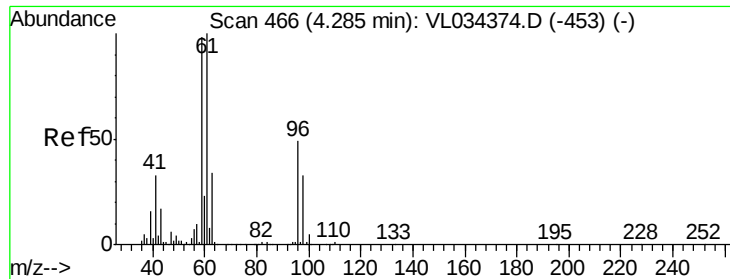
39 100

54 82.3 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0
Ion 54.10 (53.80 to 54.80): VL0





#17

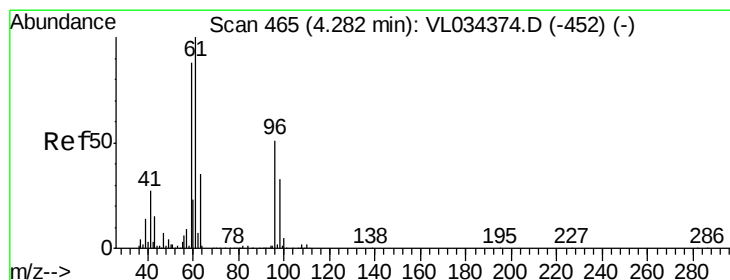
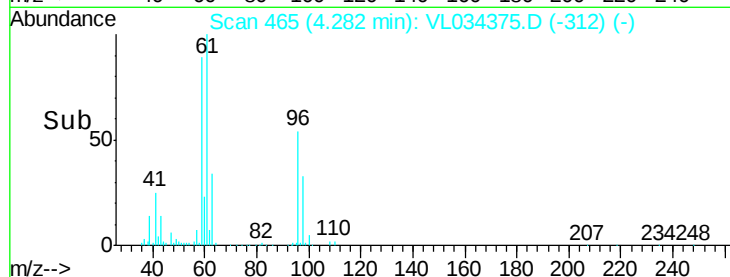
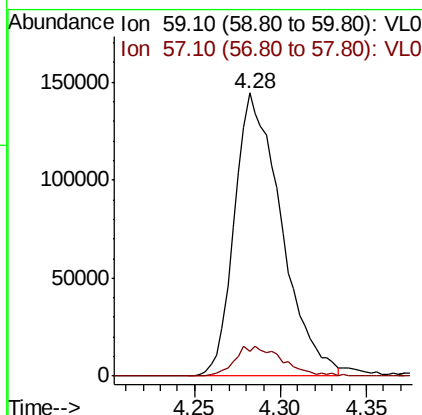
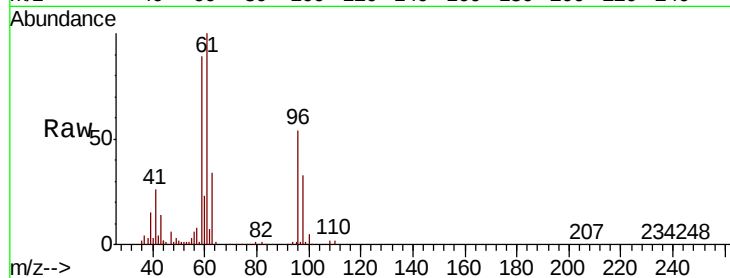
tert-Butyl alcohol
Concen: 2.736 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Manual Integrations
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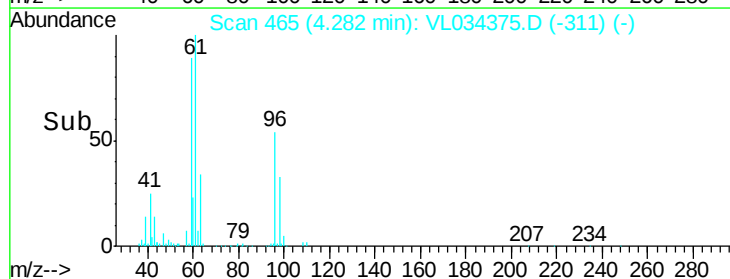
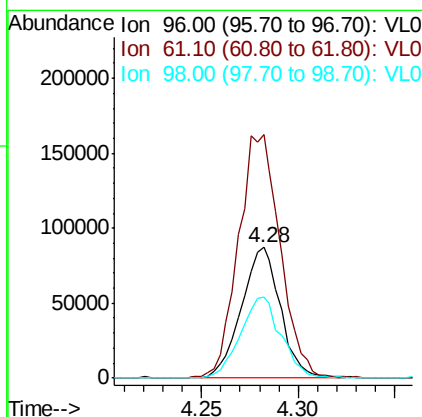
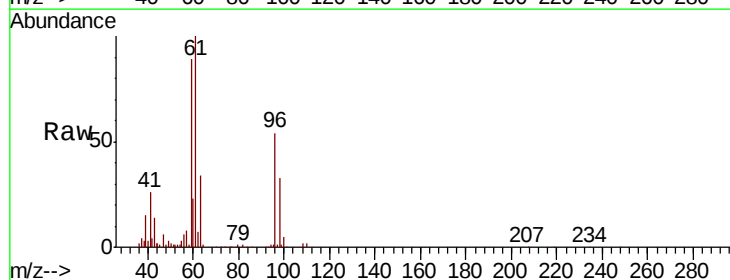
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11/20/2019 3:52:59 PM

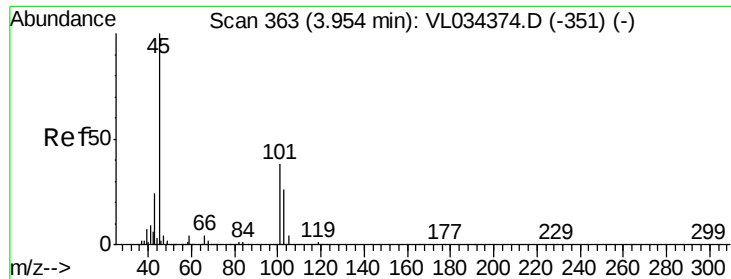


#18

1,1-Dichloroethene
Concen: 2.372 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	164.5	246.7
98	61.5	51.7	77.5





#19

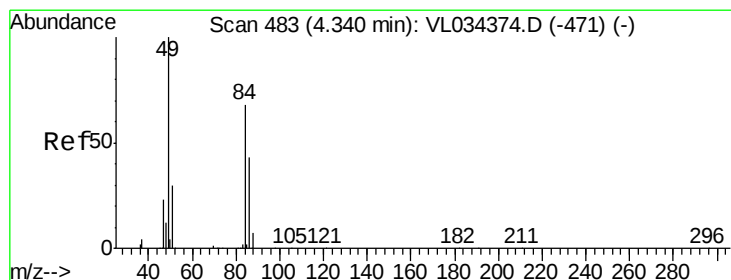
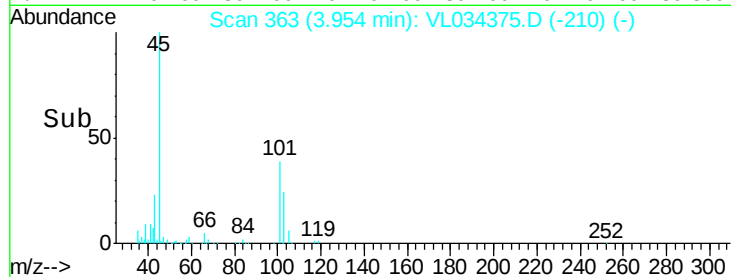
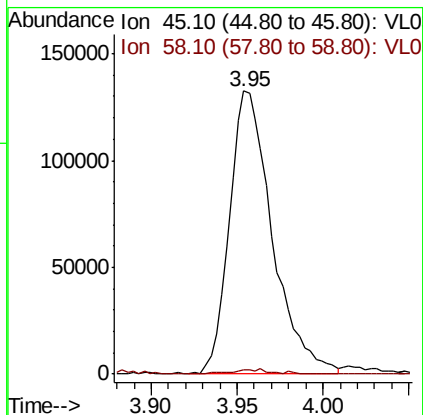
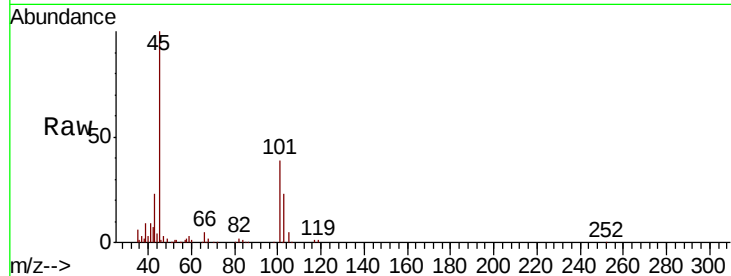
Isopropyl Alcohol
 Concen: 2.618 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

Manual Integrations
 APPROVED

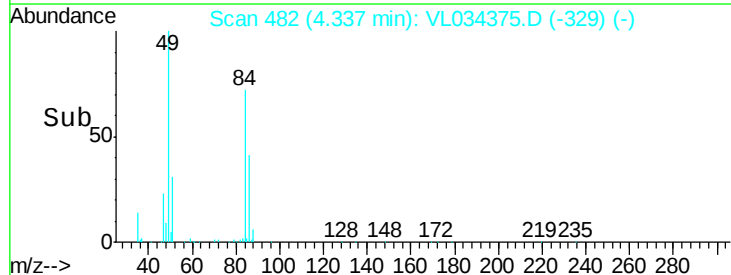
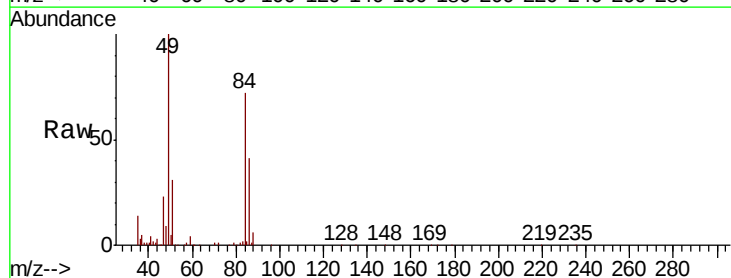
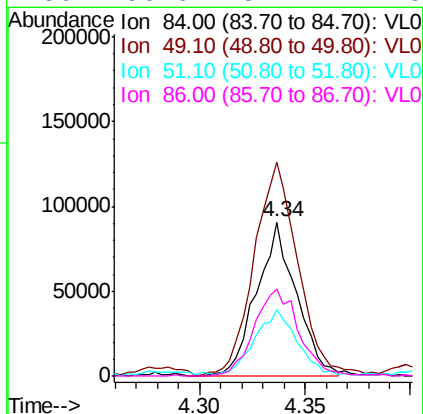
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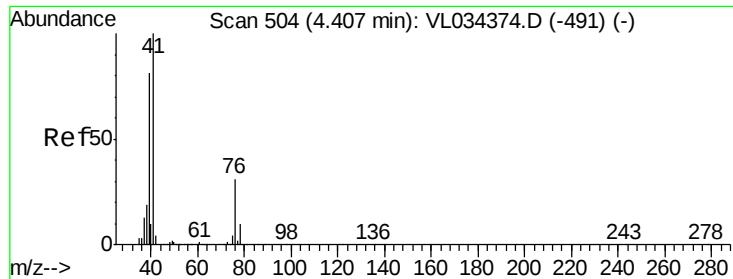


#20

Methylene Chloride
 Concen: 2.099 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.7	118.5	177.7
51	42.4	38.8	58.2
86	56.6	51.7	77.5





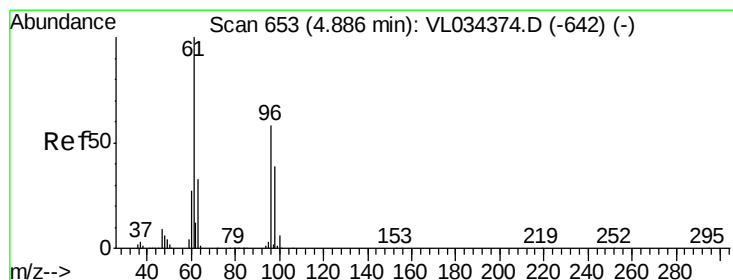
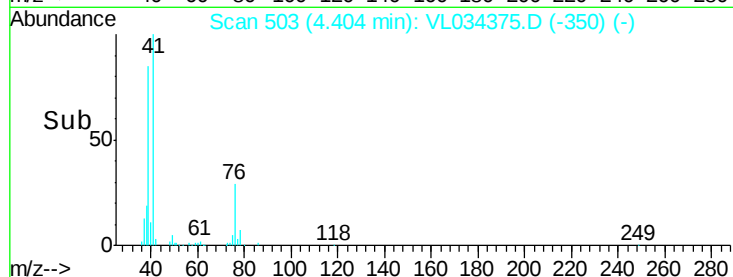
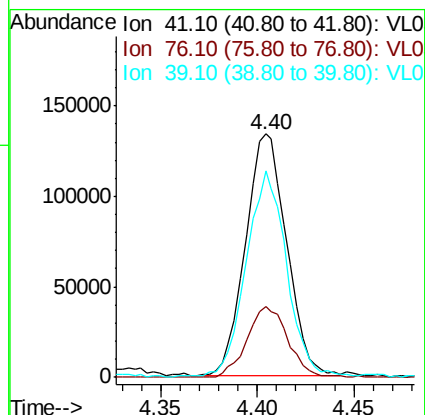
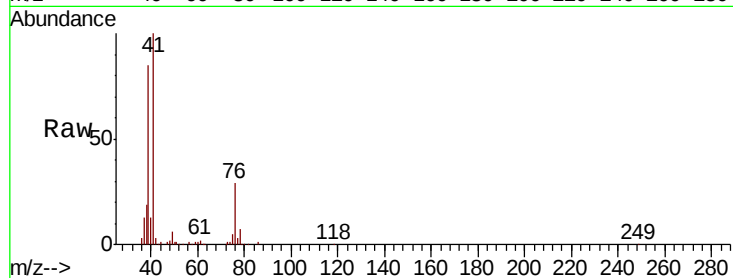
#21
Allvl Chloride
Concen: 2.289 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
41	100	198597		
76	29.0		22.8	34.2
39	84.9		66.0	99.0

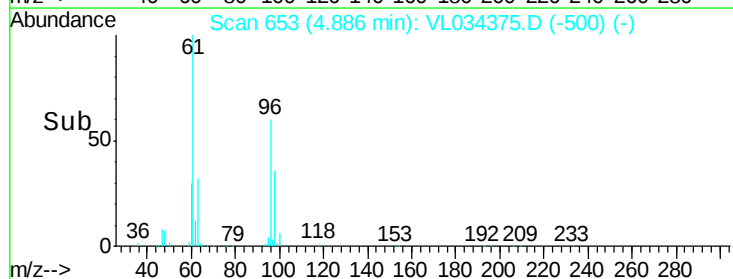
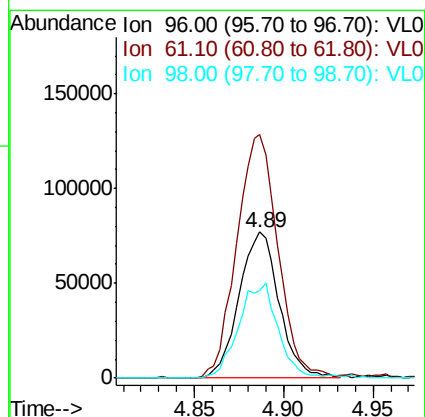
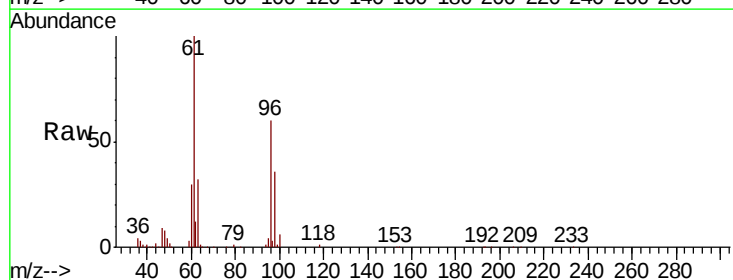
Manual Integrations
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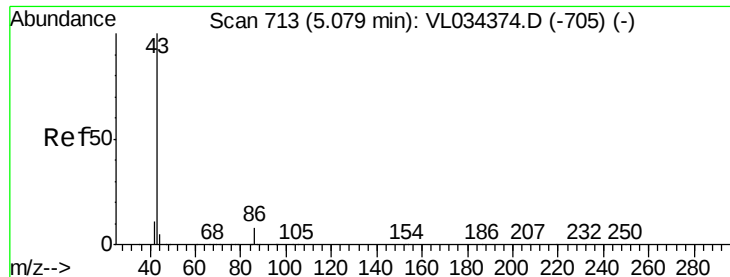
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#22
trans-1,2-Dichloroethene
Concen: 2.346 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120523		
61	166.7		133.8	200.6
98	59.7		49.4	74.0





#23

Vinyl Acetate

Concen: 2.247 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

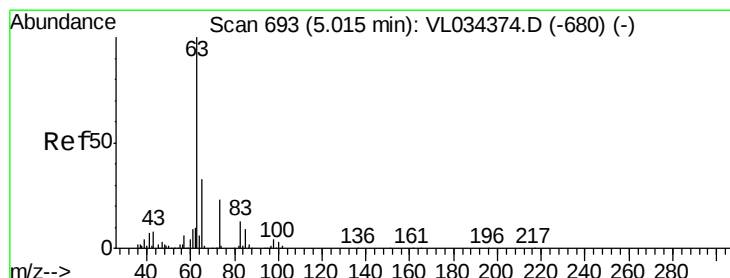
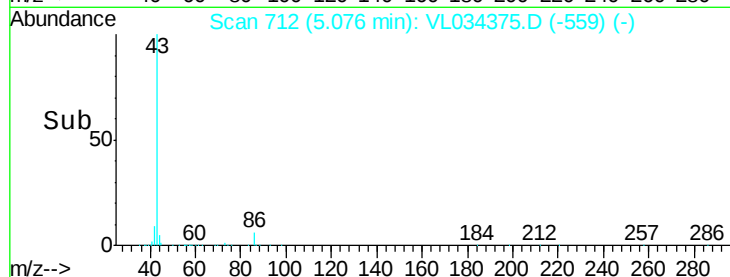
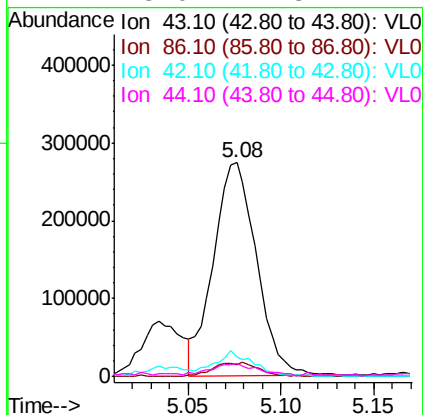
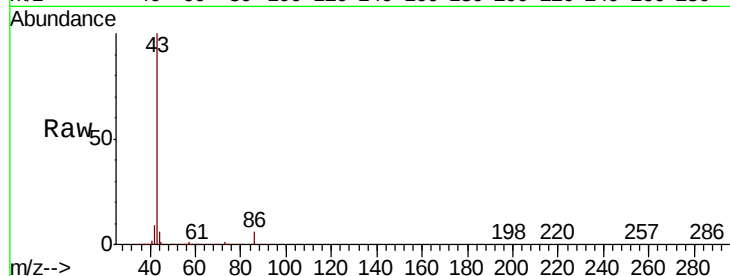
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		440358		
86	5.9	5.0	7.4		
42	8.9	8.6	13.0		
44	5.0	4.8	7.2		

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.311 ppbv

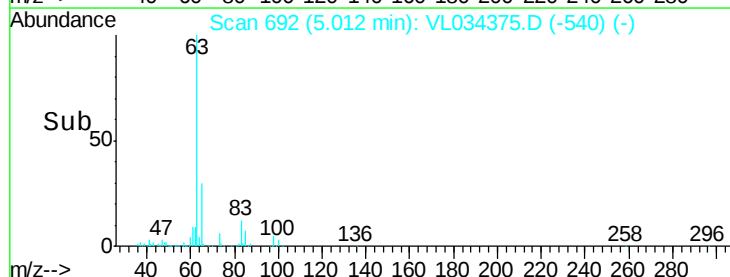
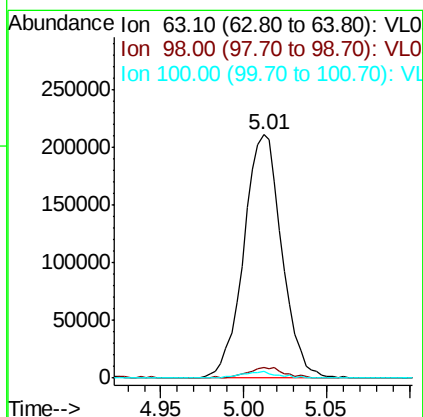
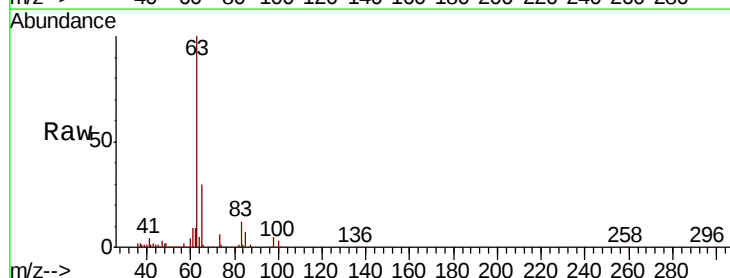
RT: 5.01 min Scan# 692

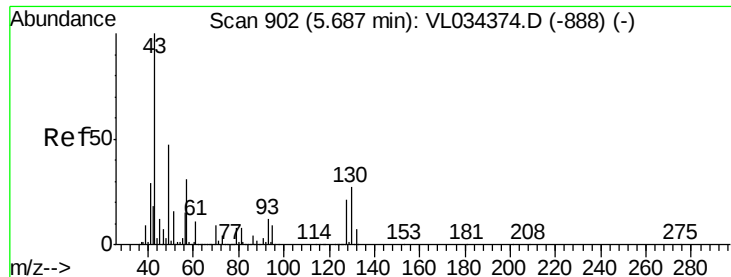
Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		336062		
98	4.6	2.0	6.0		
100	2.7	1.1	3.5		





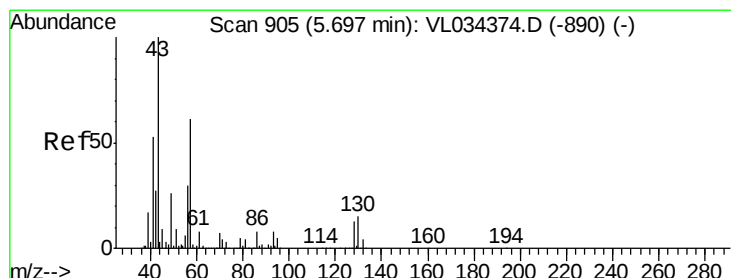
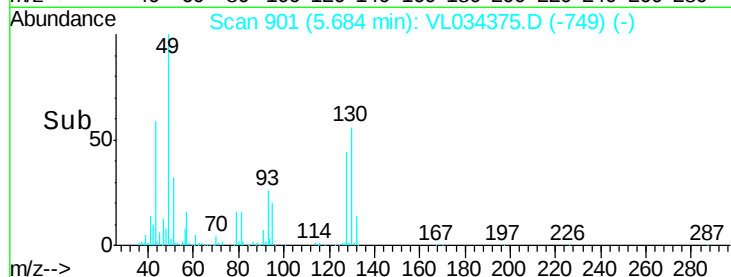
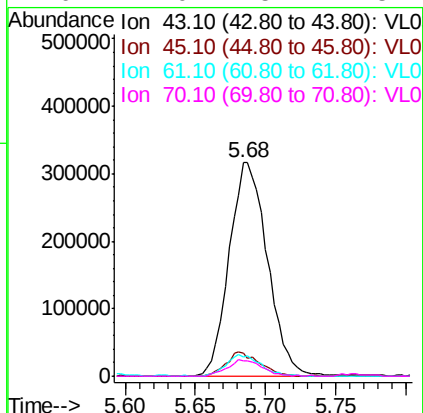
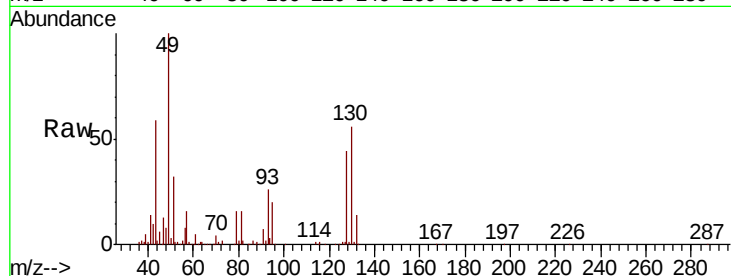
#25
Ethyl Acetate
Concen: 2.273 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.3	12.5
61	9.0	7.7	11.5
70	7.0	5.4	8.2

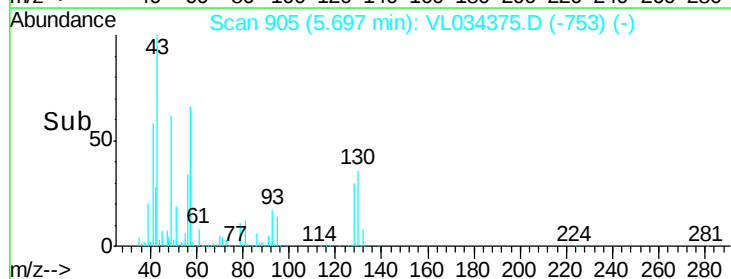
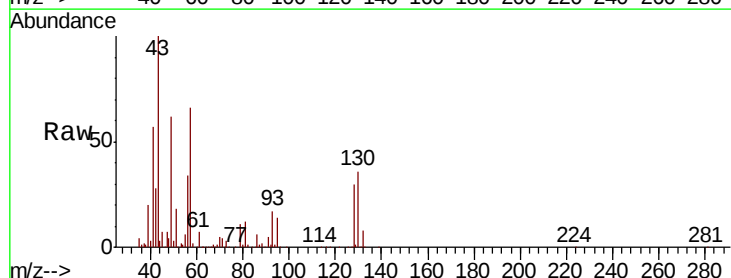
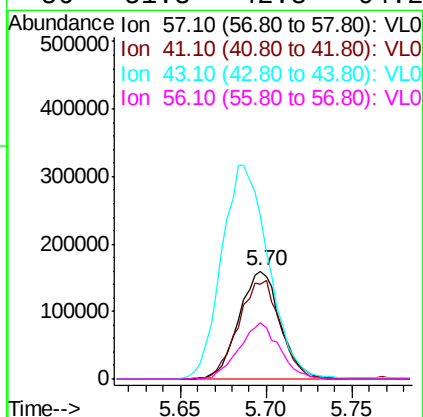
Manual Integrations
APPROVED

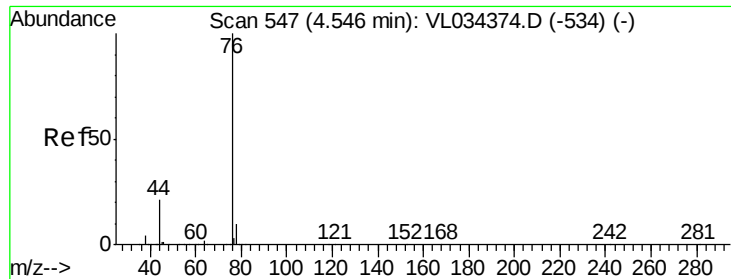
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#26
Hexane
Concen: 2.352 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.0	76.5	114.7
43	229.0	188.5	282.7
56	51.3	42.8	64.2





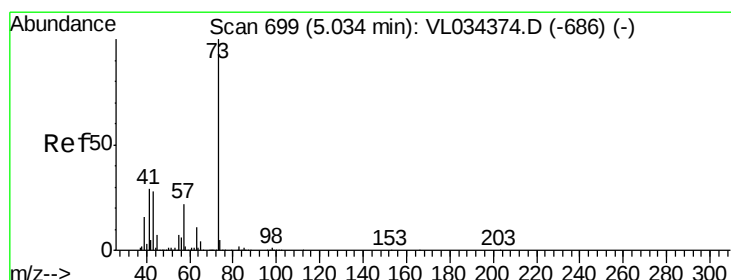
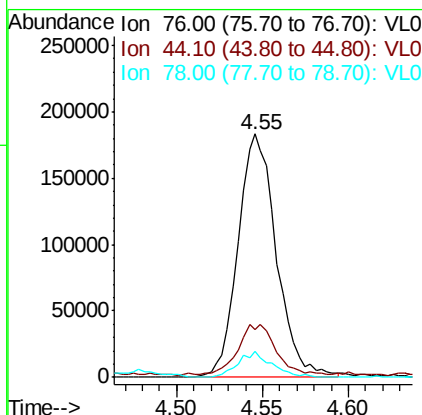
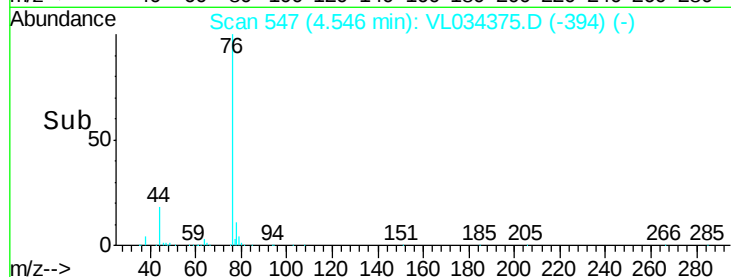
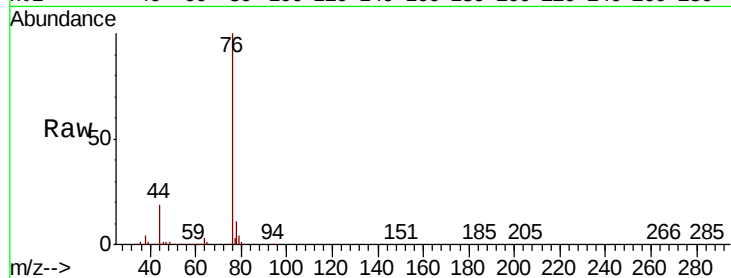
#27
Carbon Disulfide
Concen: 2.399 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.6	17.3	25.9
78	9.7	7.8	11.6

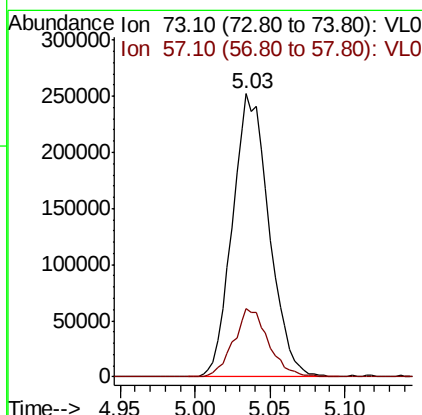
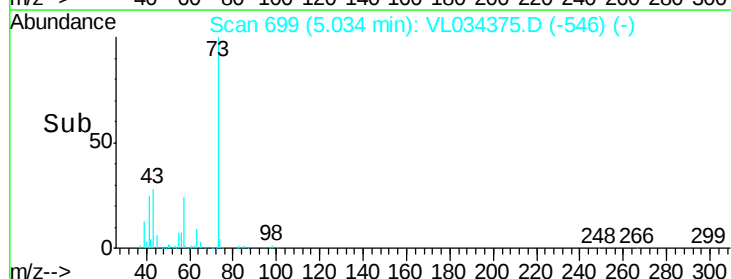
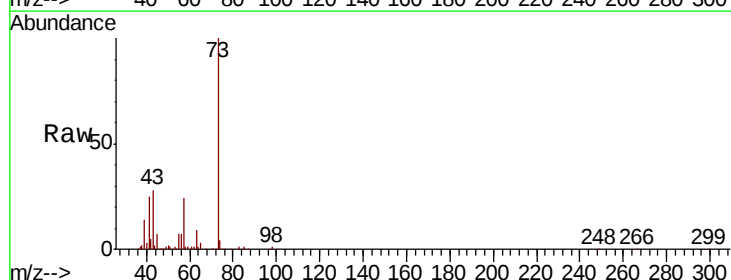
Manual Integrations
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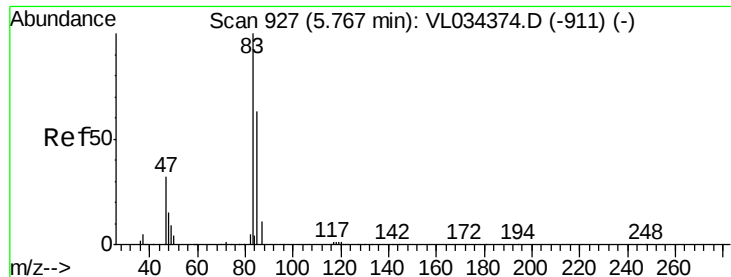
MMDadoda
11/20/2019 3:52:59 PM



#28
Methyl tert-Butyl Ether
Concen: 2.519 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.2	28.8





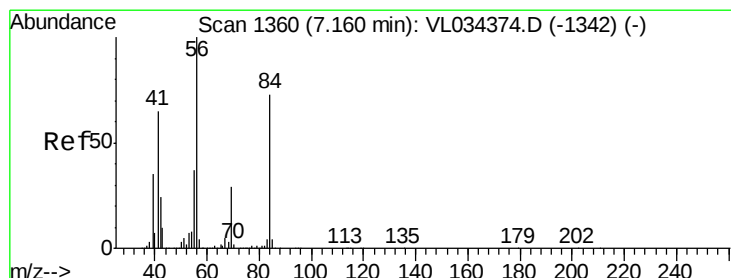
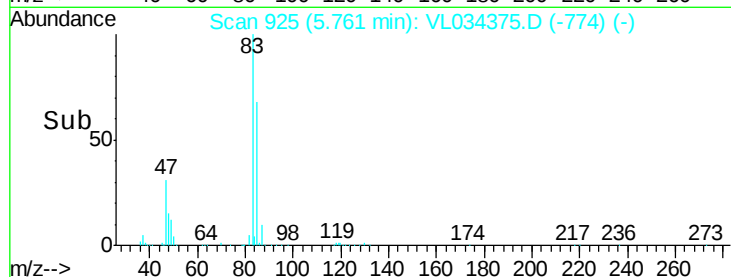
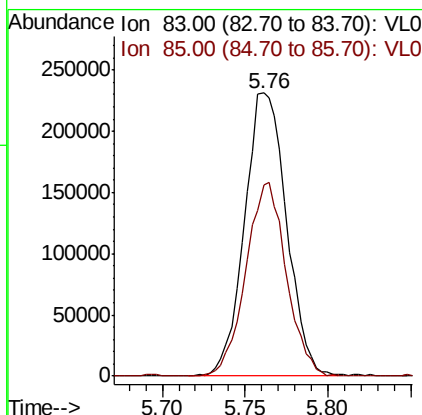
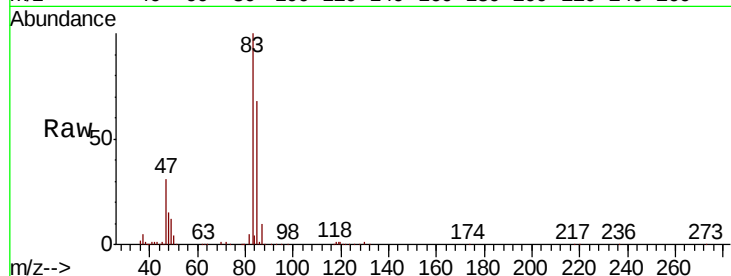
#29
Chloroform
Concen: 2.291 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	409192
Ion Ratio	100	Lower	Upper
83	100		
85	67.5	50.5	75.7

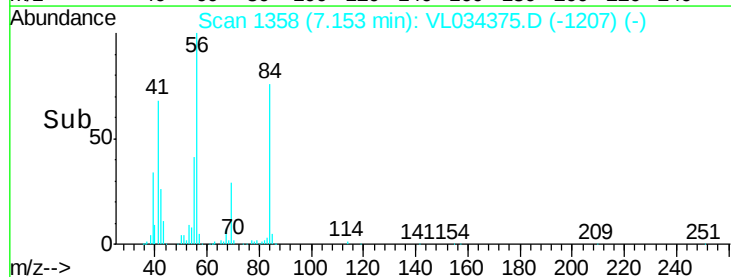
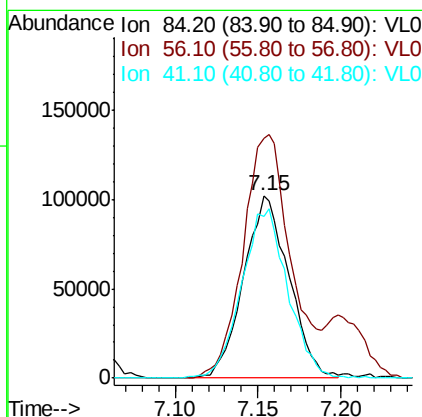
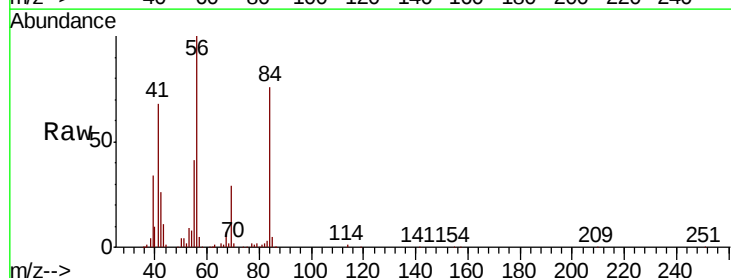
Manual Integrations
APPROVED

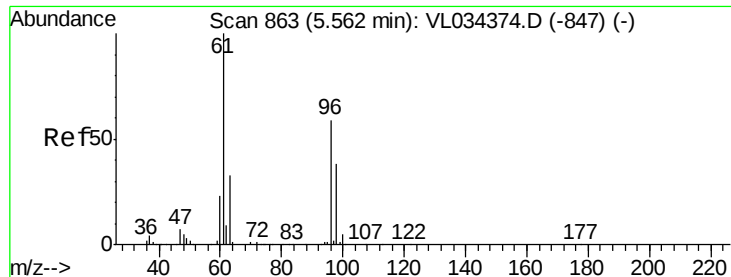
MMDadoda
11/20/2019 3:52:59 PM



#30
Cyclohexane
Concen: 2.311 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	84	Resp	191954
Ion Ratio	100	Lower	Upper
84	100		
56	171.0	119.4	179.0
41	95.4	78.7	118.1





#31

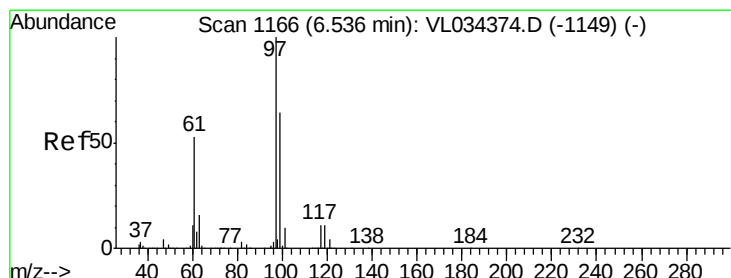
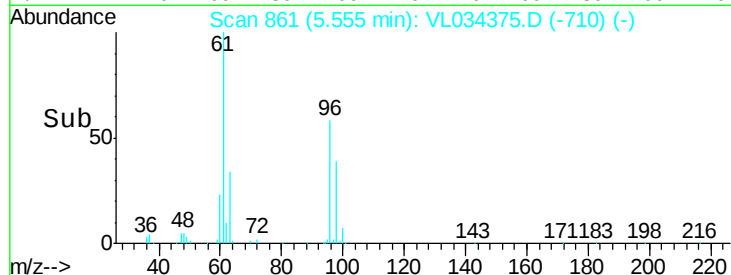
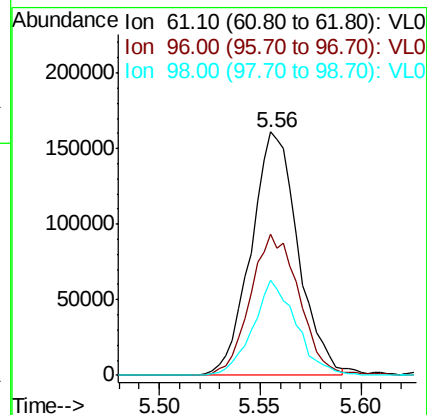
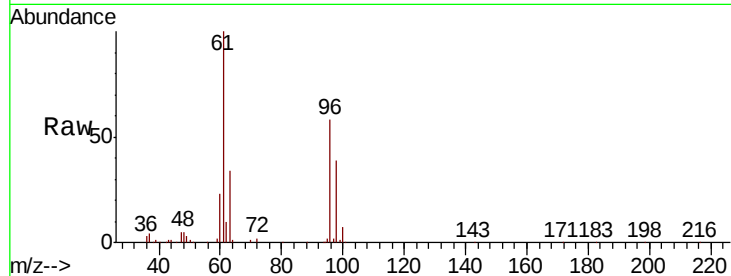
cis-1,2-Dichloroethene
Concen: 2.290 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.1	47.5	71.3
98	39.0	28.8	43.2

Manual Integrations
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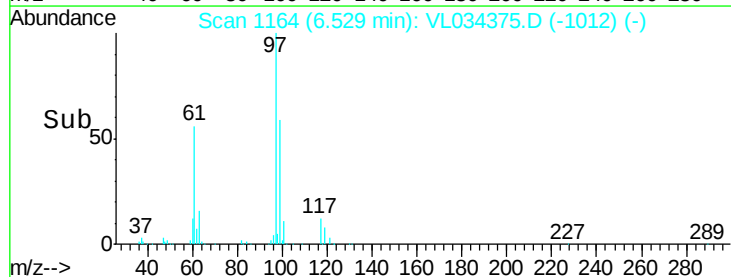
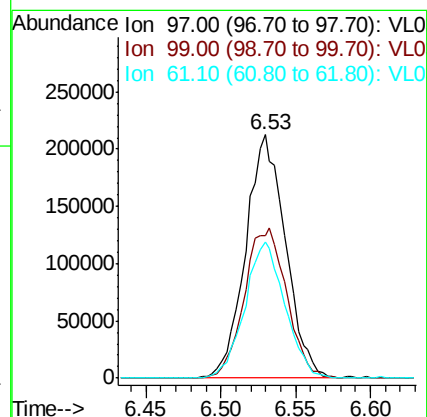
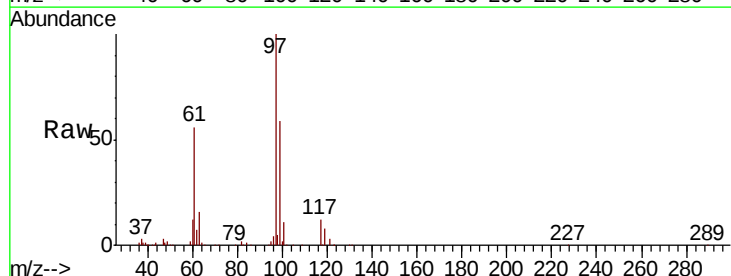
MMDadoda
11/20/2019 3:52:59 PM

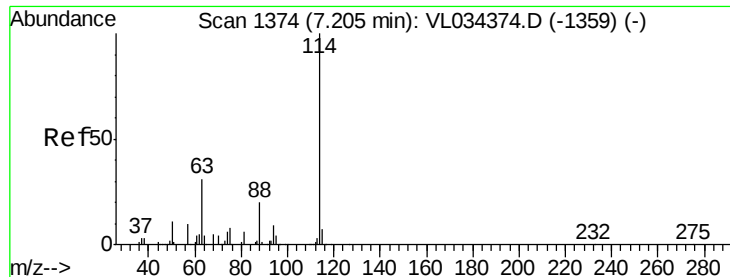


#32

1,1,1-Trichloroethane
Concen: 2.271 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.6	78.8
61	56.5	44.5	66.7





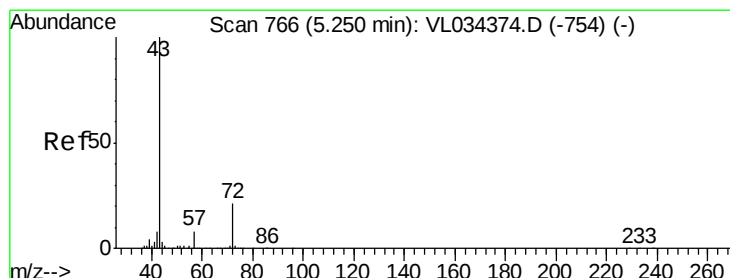
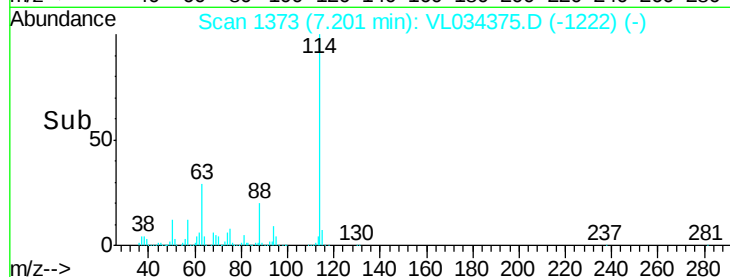
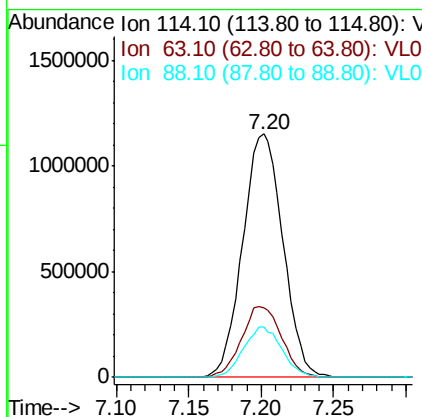
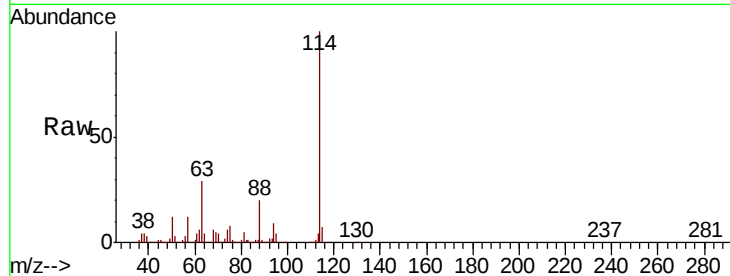
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	25.2	37.8
88	19.9	16.0	24.0

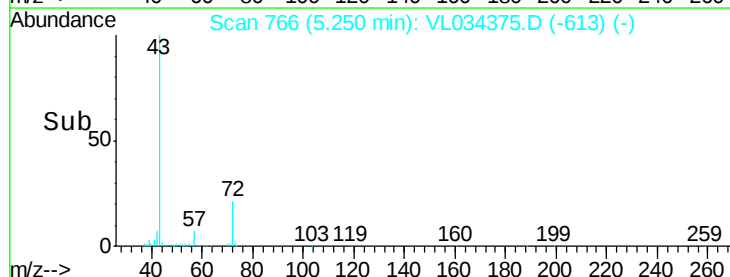
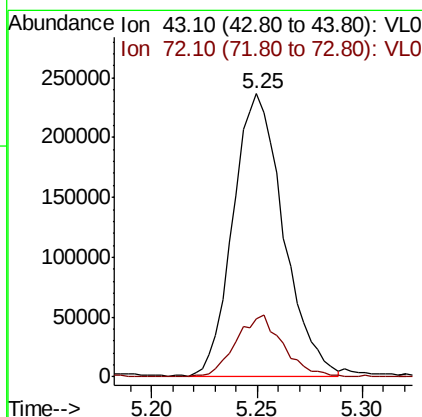
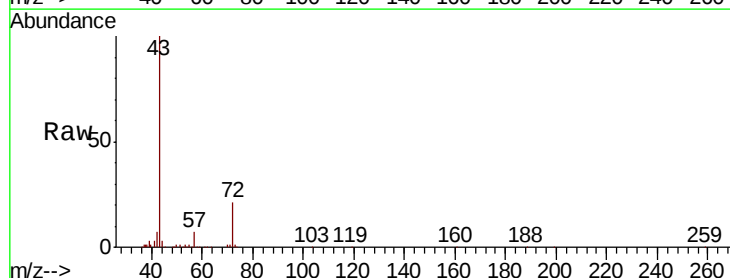
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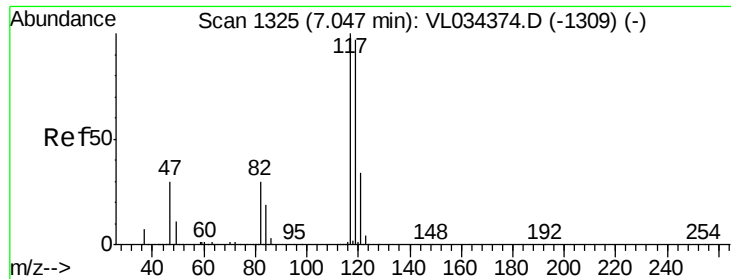
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#34
 2-Butanone
 Concen: 2.150 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	16.3	24.5





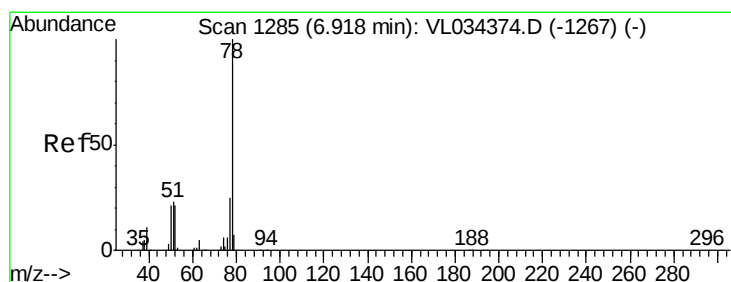
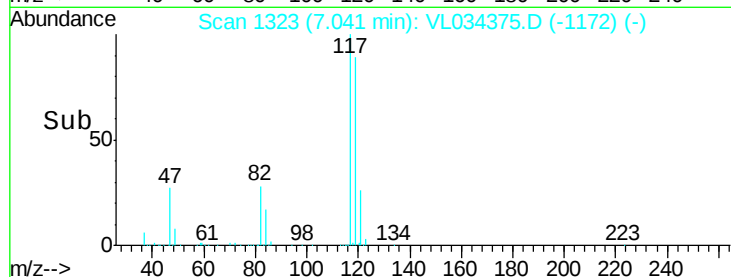
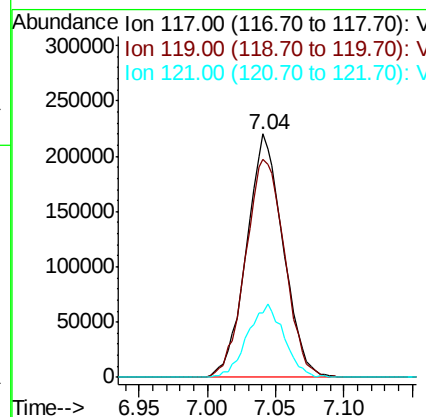
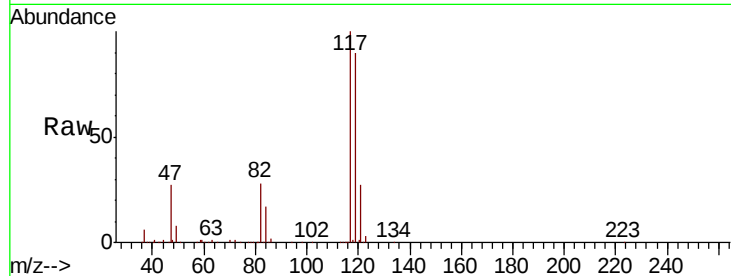
#35
Carbon Tetrachloride
Concen: 2.109 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.5	77.3	115.9
121	26.6	25.5	38.3

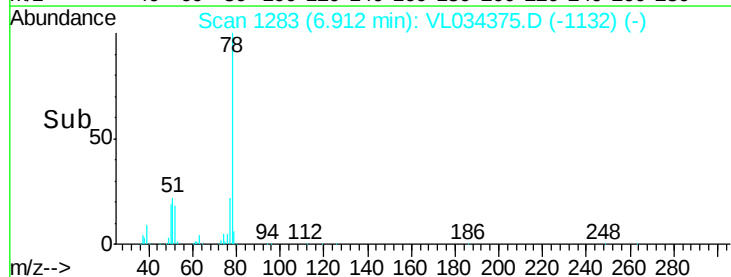
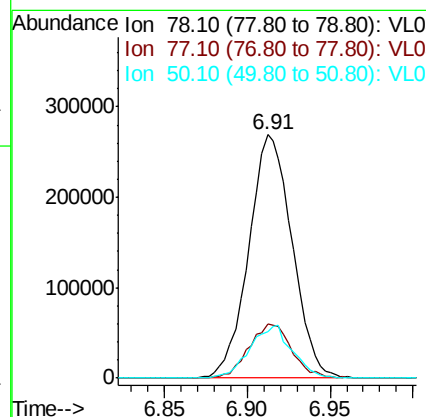
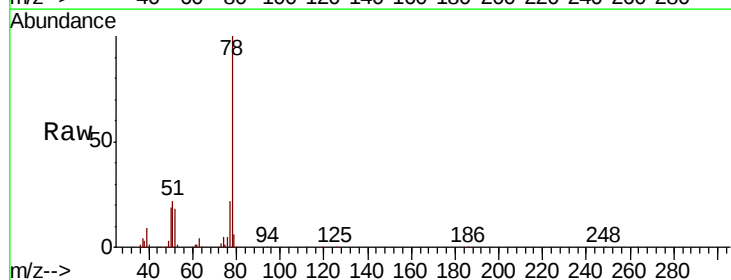
Manual Integrations
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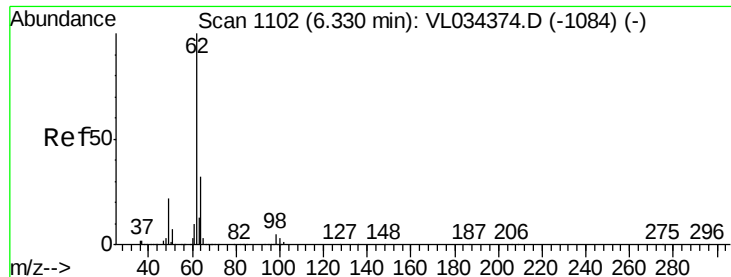
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#36
Benzene
Concen: 2.280 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4
50	19.0	18.6	27.8





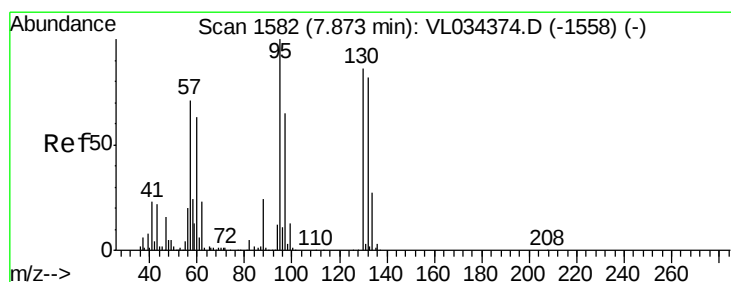
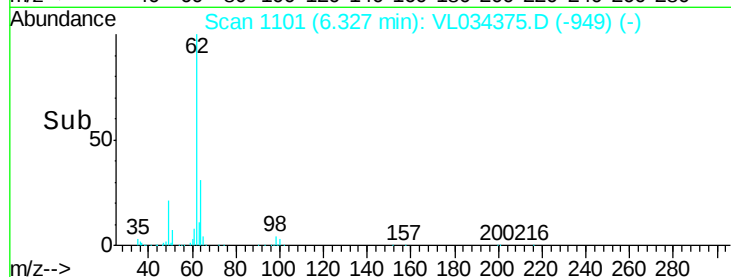
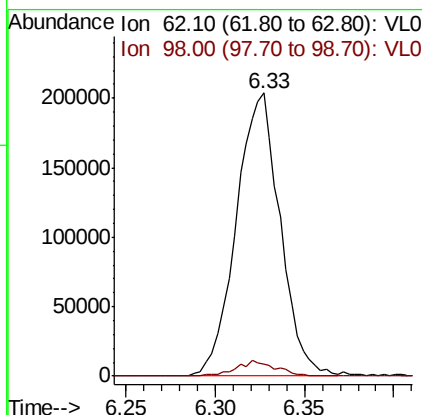
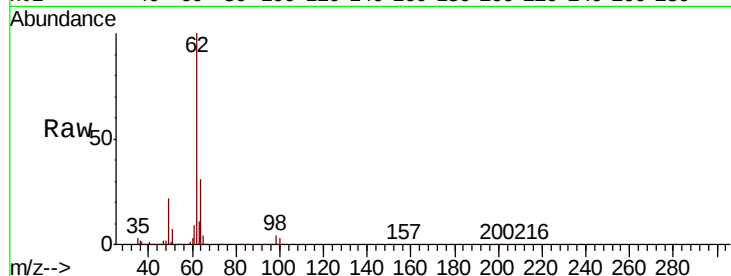
#37
1,2-Dichloroethane
Concen: 2.195 ppbv
RT: 6.33 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.0	3.8	5.6

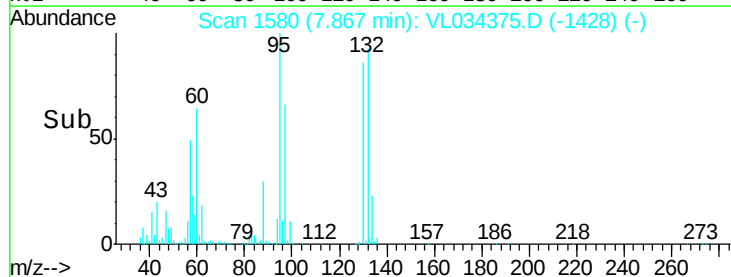
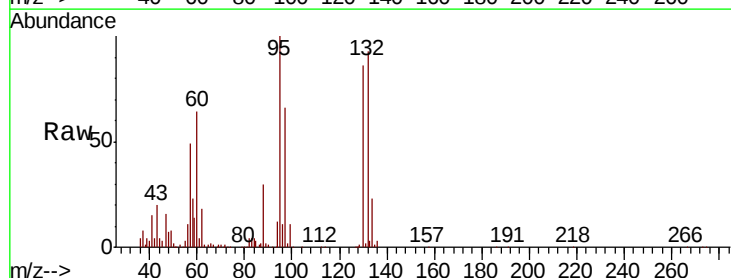
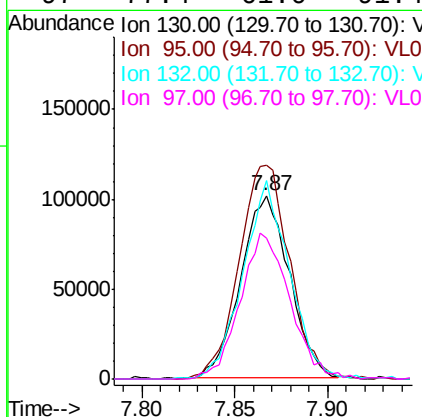
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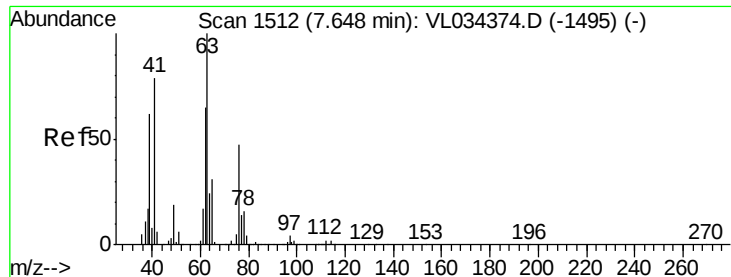
MMDadoda
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#38
Trichloroethene
Concen: 2.148 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.8	88.6	132.8
132	108.7	71.2	106.8
97	77.4	61.0	91.4





#39

1,2-Dichloropropane

Concen: 2.175 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

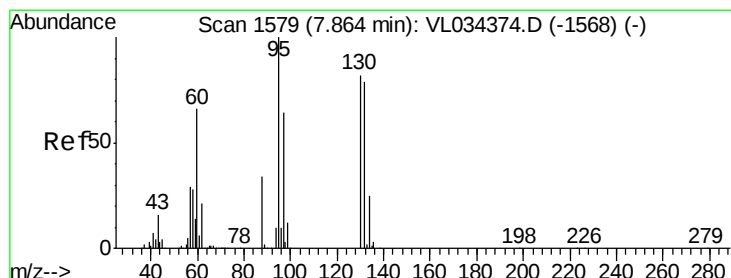
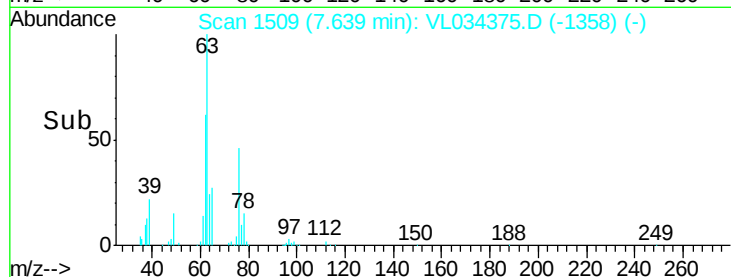
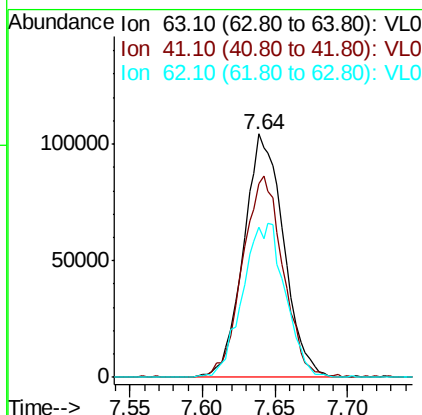
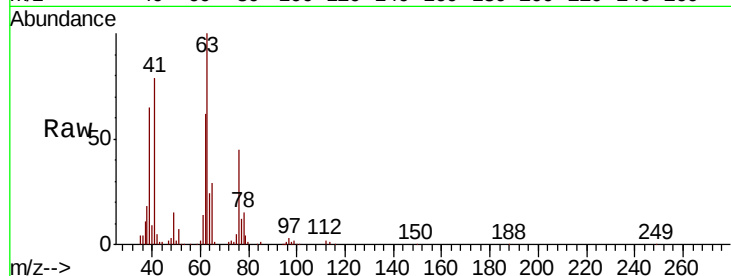
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	200141
Ion Ratio	Lower	Upper	
63	100		
41	79.3	65.6	98.4
62	61.8	53.0	79.6

Manual Integrations
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#40

1,4-Dioxane

Concen: 2.424 ppbv m

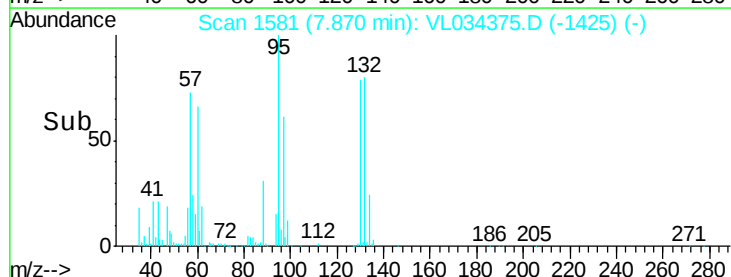
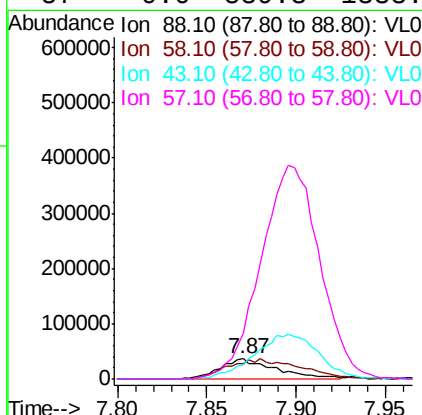
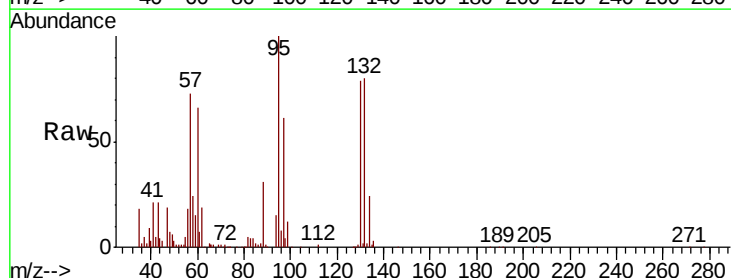
RT: 7.87 min Scan# 1581

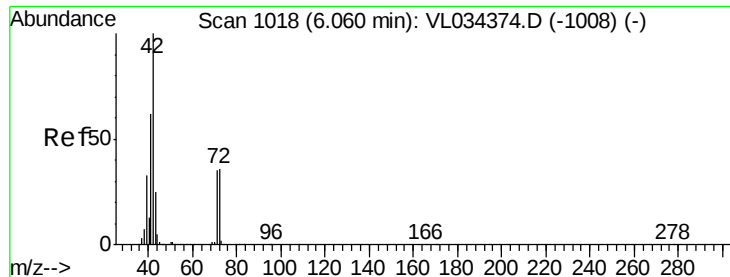
Delta R.T. 0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	88	Resp:	78390
Ion Ratio	Lower	Upper	
88	100		
58	0.0	110.3	165.5#
43	0.0	228.1	342.1#
57	0.0	889.3	1333.9#





#41

Tetrahydrofuran

Concen: 2.170 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. -0.00 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

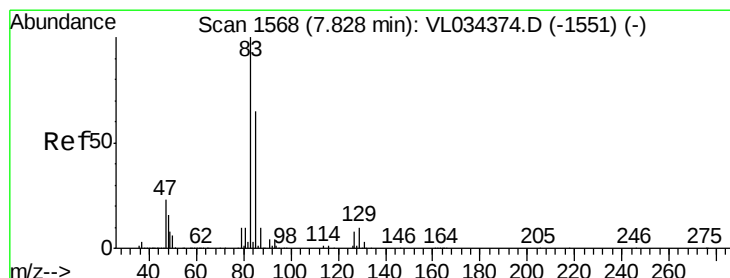
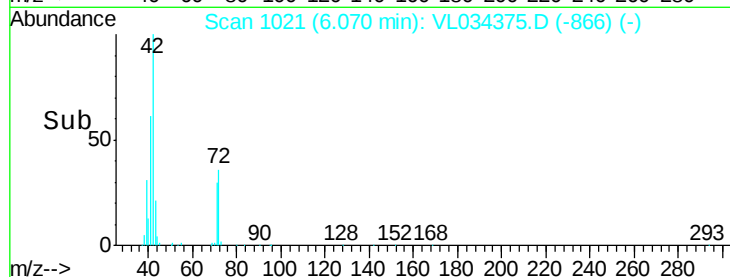
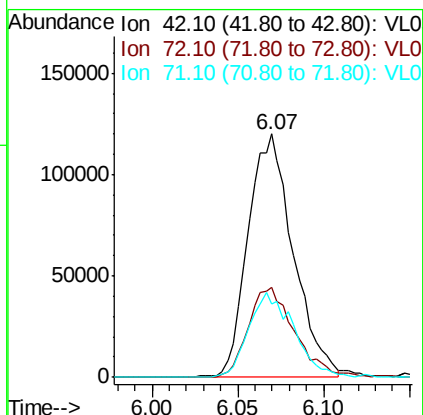
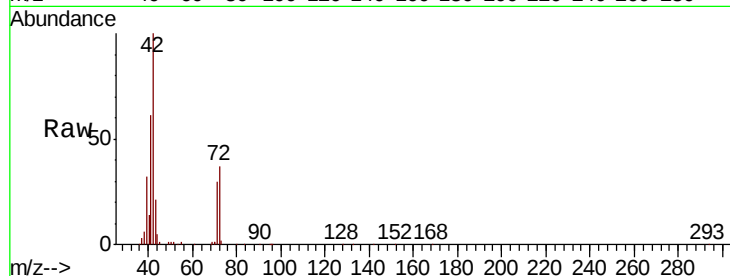
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	219205
Ion Ratio		Lower	Upper
42	100		
72	38.1	28.0	42.0
71	35.2	27.3	40.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.279 ppbv

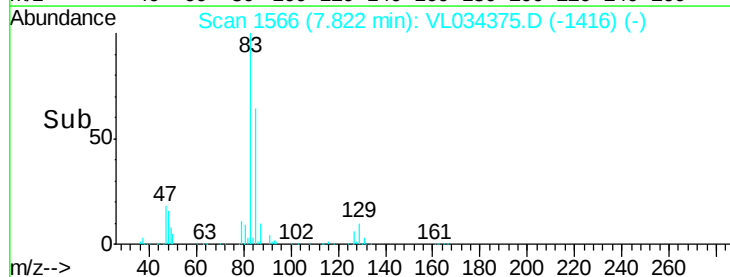
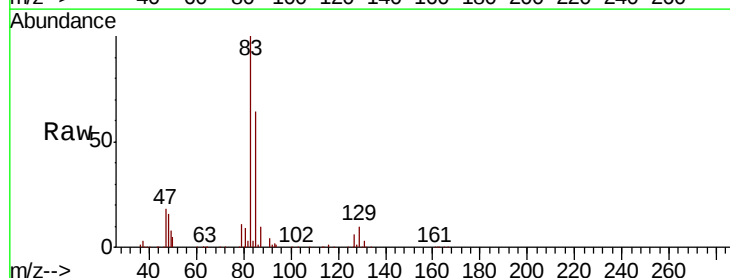
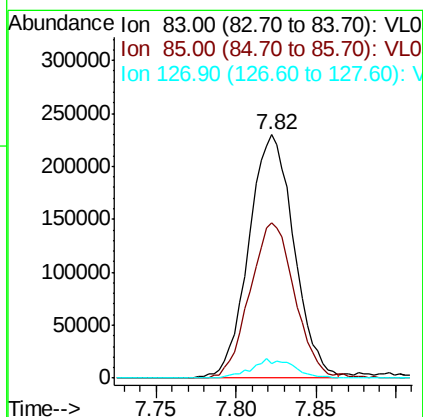
RT: 7.82 min Scan# 1566

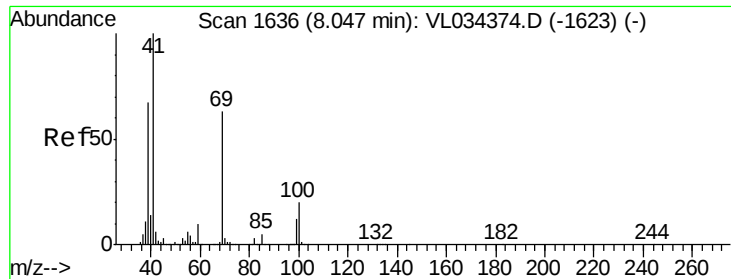
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	83	Resp:	444631
Ion Ratio		Lower	Upper
83	100		
85	63.8	51.8	77.6
127	6.0	7.0	10.6#





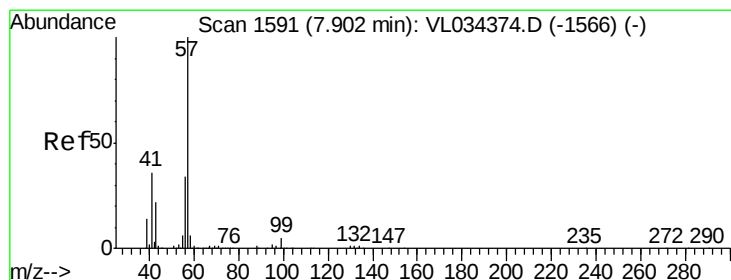
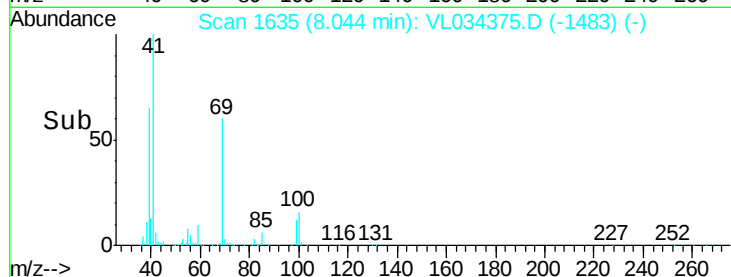
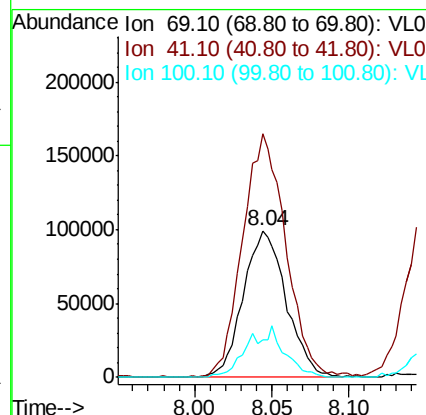
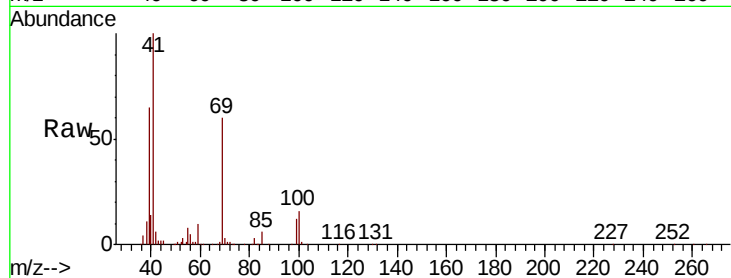
#43
Methvl Methacrvlate
Concen: 2.169 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	167.5	132.1	198.1	
100	30.1	23.2	34.8	

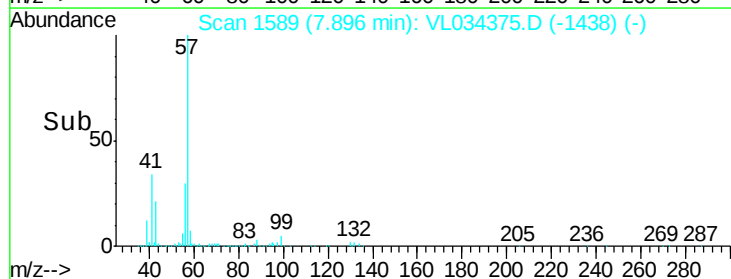
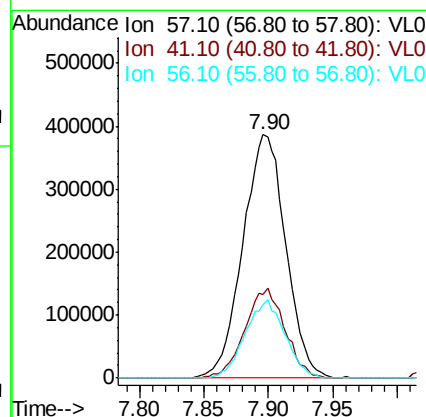
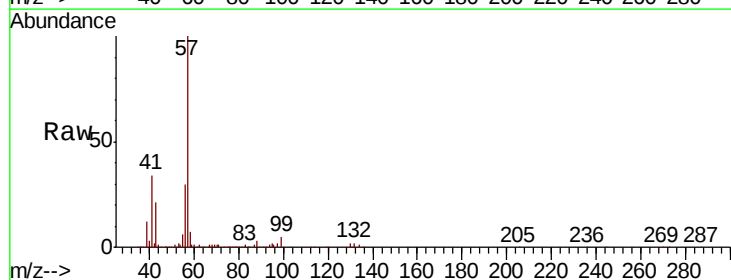
Manual Integrations
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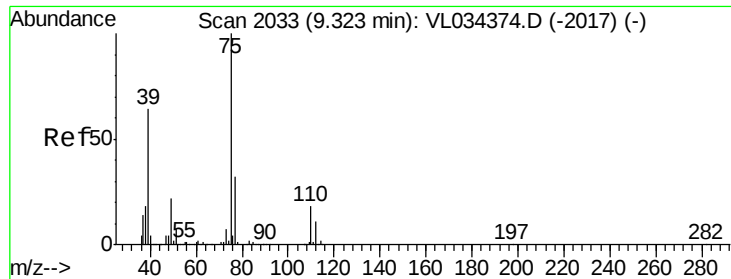
MMDadoda
11/20/2019 3:52:59 PM



#44
2,2,4-Trimethylpentane
Concen: 2.250 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.9	29.3	43.9	
56	30.2	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 2.337 ppbv

RT: 9.32 min Scan# 2031

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 251635

Ion Ratio Lower Upper

75 100

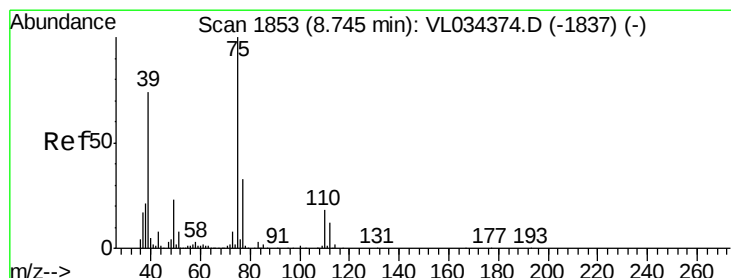
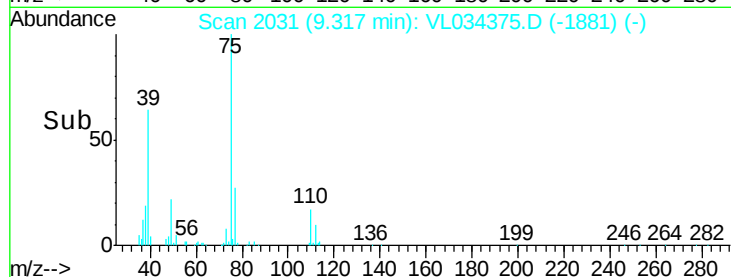
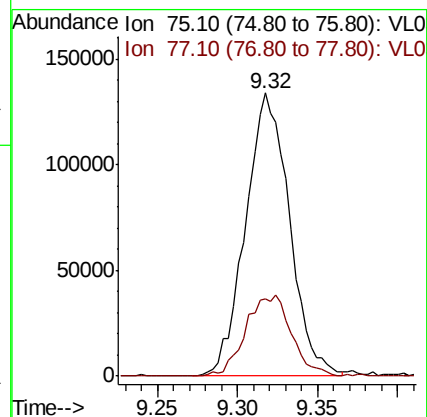
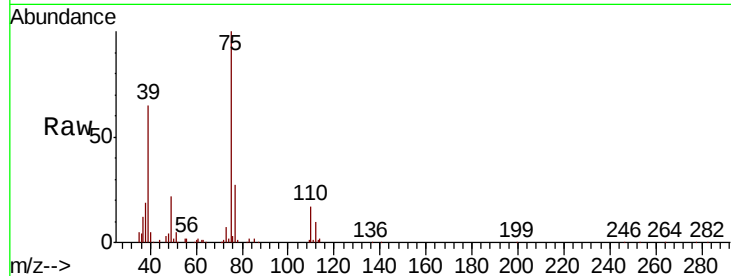
77 27.4 25.6 38.4

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#46

cis-1,3-Dichloropropene

Concen: 2.326 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

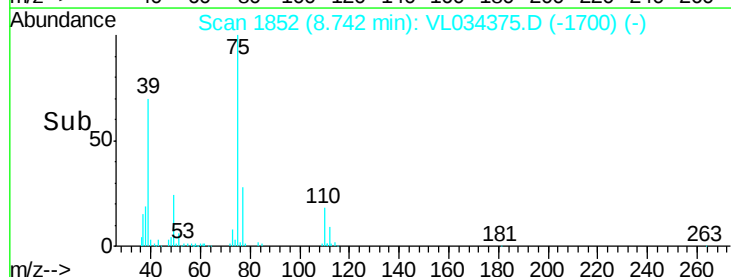
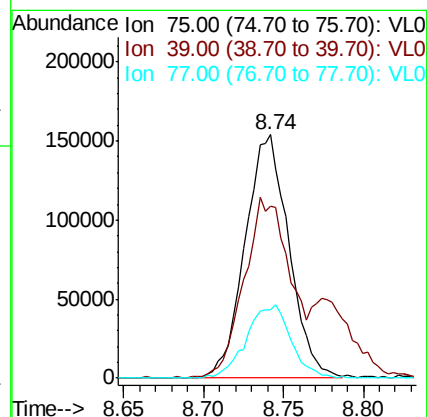
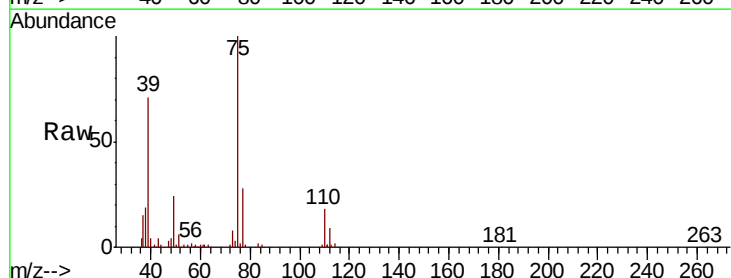
Tgt Ion: 75 Resp: 287724

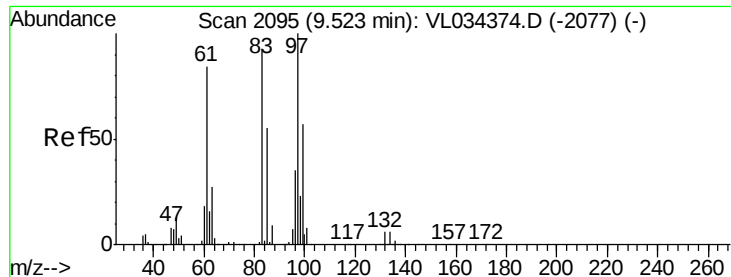
Ion Ratio Lower Upper

75 100

39 70.3 61.2 91.8

77 28.0 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 2.201 ppbv

RT: 9.52 min Scan# 2093

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 97 Resp: 205176

Ion Ratio Lower Upper

97 100

83 89.0 74.2 111.2

85 55.4 48.6 73.0

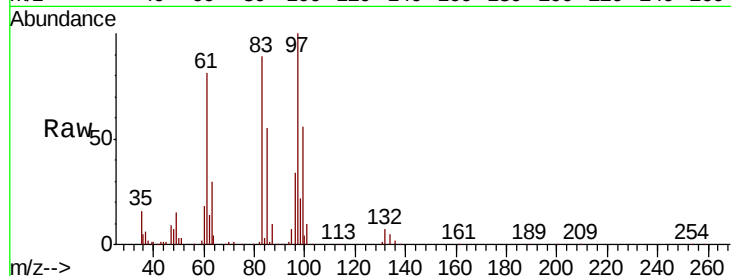
99 56.3 47.0 70.6

Manual Integrations

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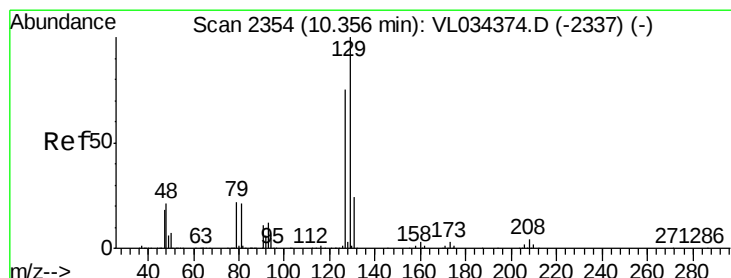
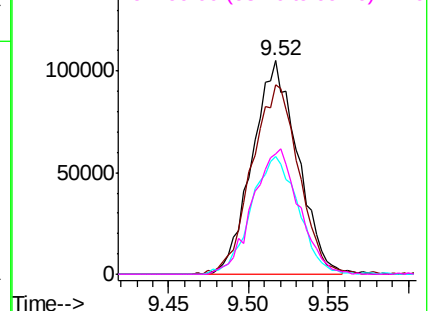
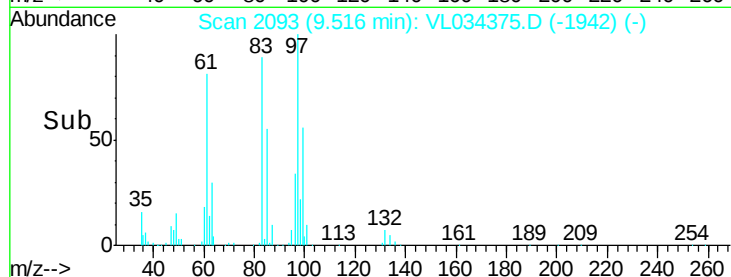


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.316 ppbv

RT: 10.35 min Scan# 2352

Delta R.T. -0.02 min

Lab File: VL034375.D

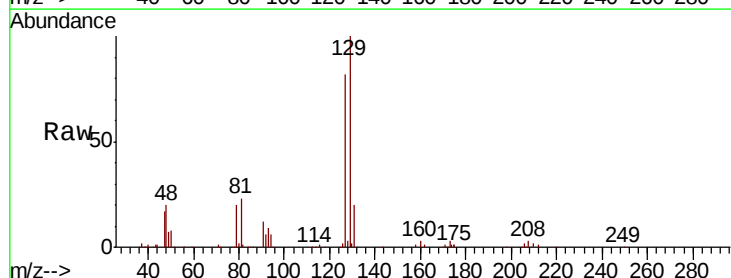
Acq: 19 Nov 2019 10:30

Tgt Ion: 129 Resp: 354106

Ion Ratio Lower Upper

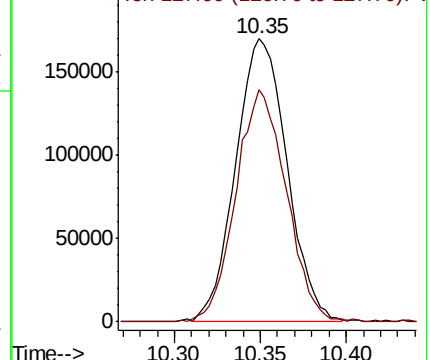
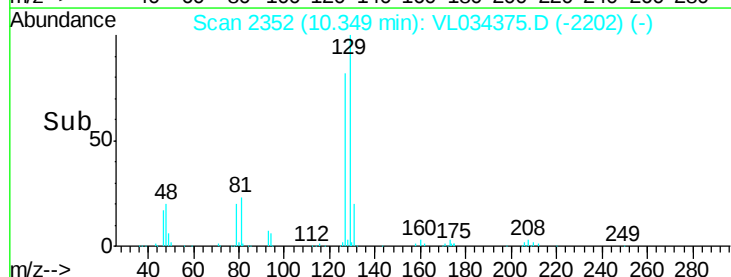
129 100

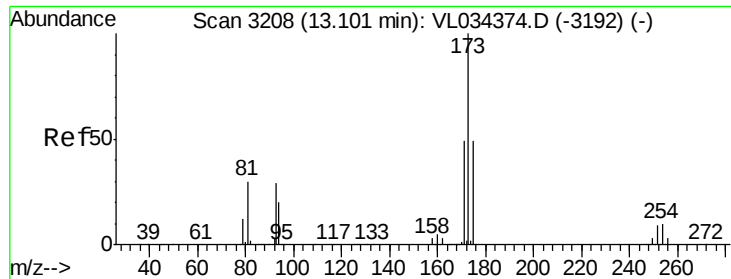
127 80.6 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





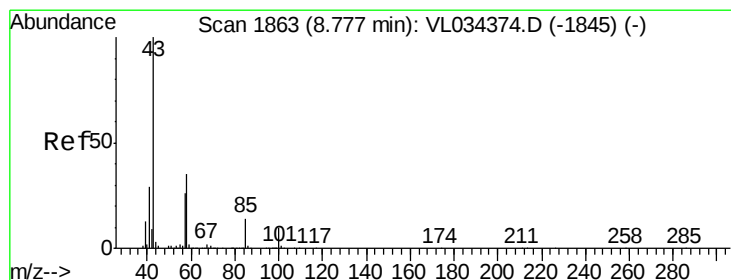
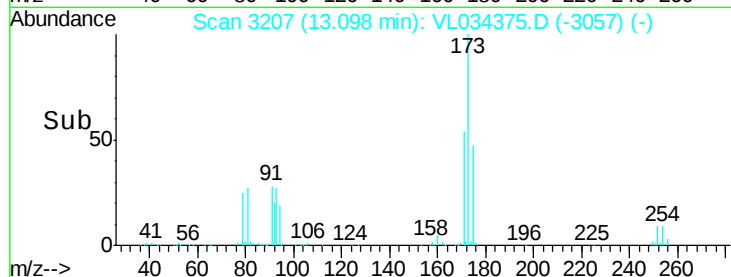
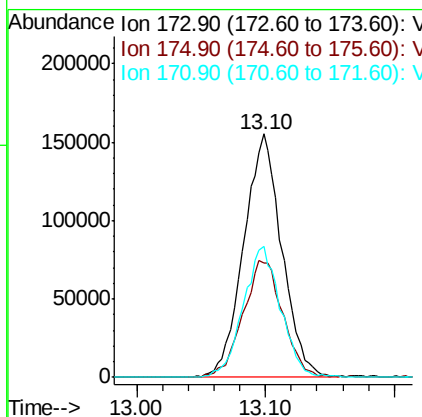
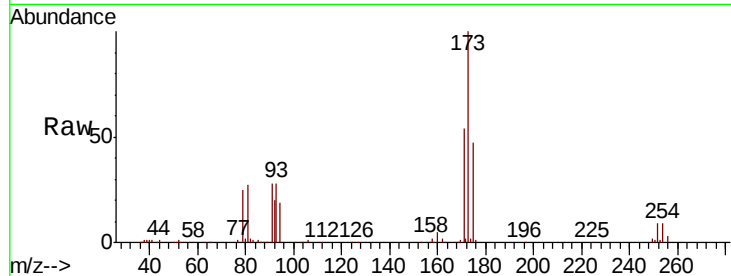
#49
Bromoform
Concen: 2.360 ppbv
RT: 13.10 min Scan# 3207
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.8	59.6
171	52.7	41.8	62.6

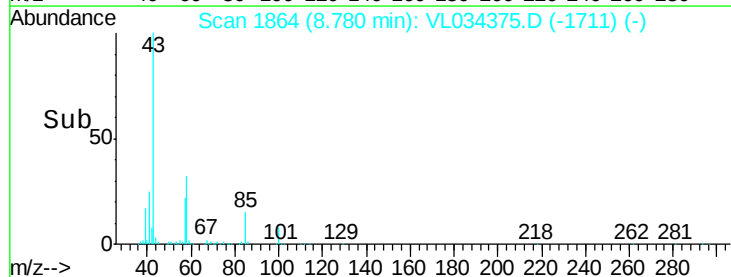
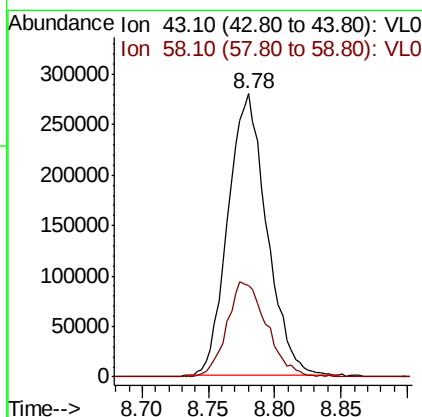
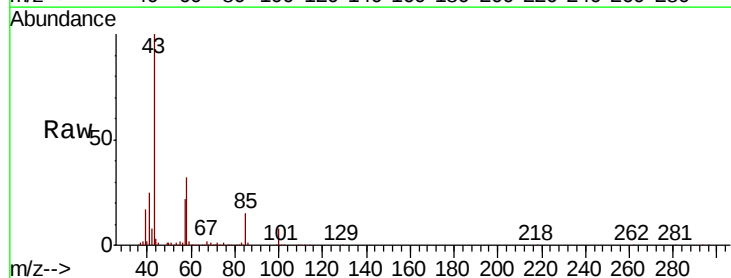
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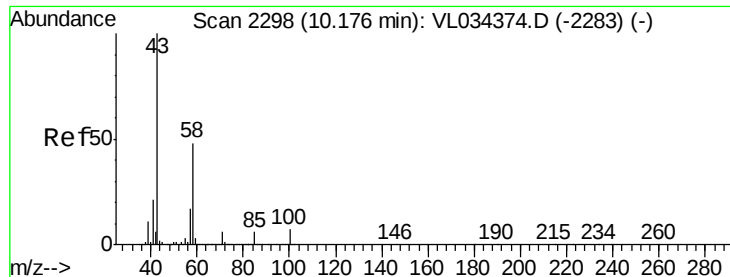
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#50
4-Methyl-2-Pentanone
Concen: 2.181 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





#51

2-Hexanone

Concen: 2.271 ppbv

RT: 10.18 min Scan# 2298

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

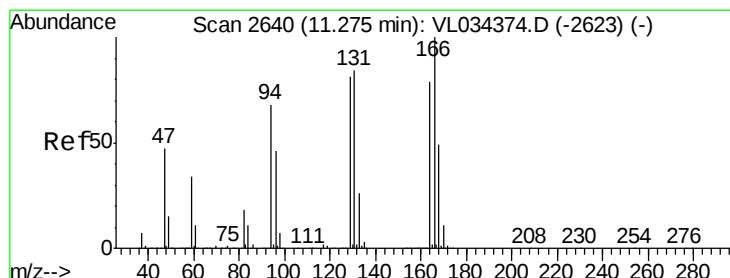
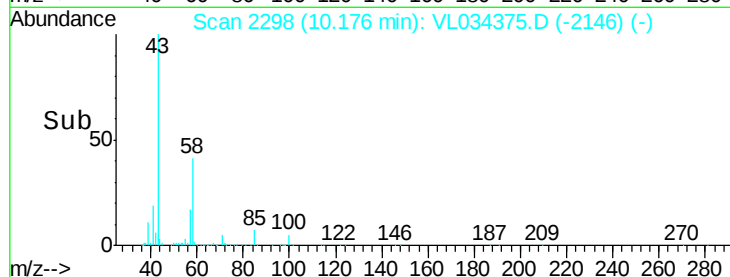
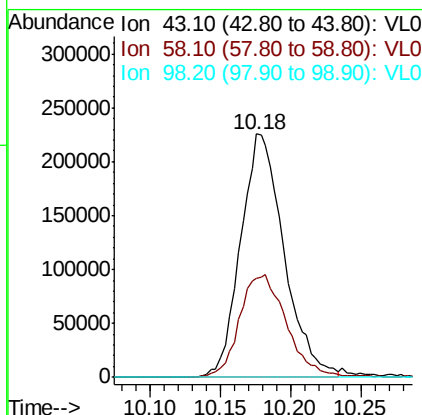
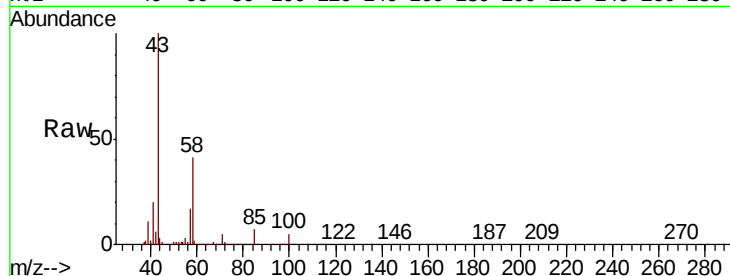
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	485134
Ion Ratio	Lower	Upper	
43	100		
58	46.3	37.0	55.6
98	0.3	0.2	0.2#

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#52

Tetrachloroethene

Concen: 2.176 ppbv

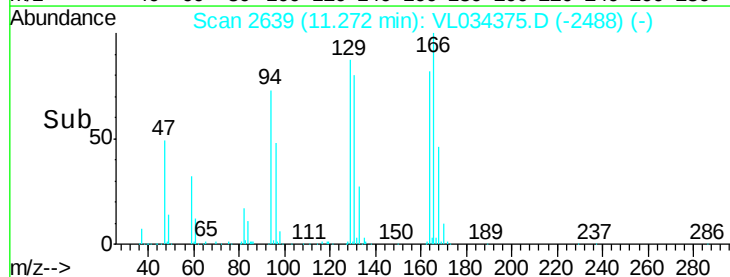
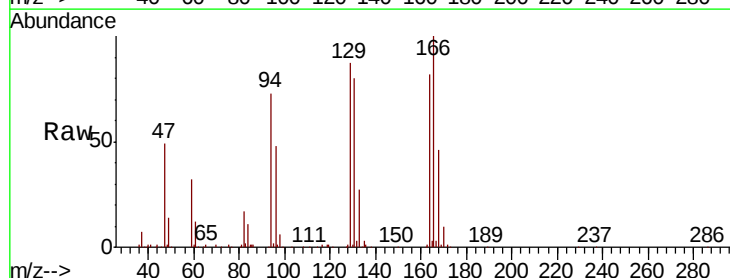
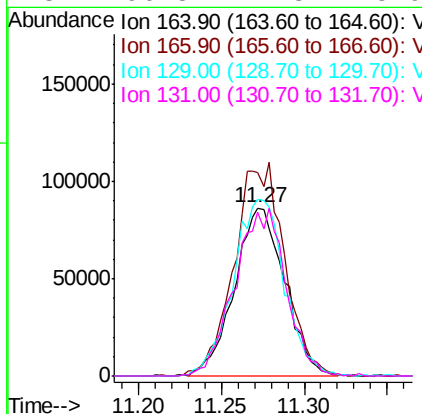
RT: 11.27 min Scan# 2639

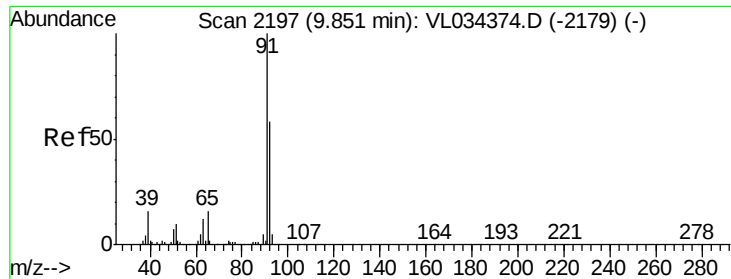
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	164	Resp:	182242
Ion Ratio	Lower	Upper	
164	100		
166	120.6	95.3	142.9
129	105.2	84.5	126.7
131	96.8	77.3	115.9





#53

Toluene

Concen: 2.291 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 540229

Ion Ratio Lower Upper

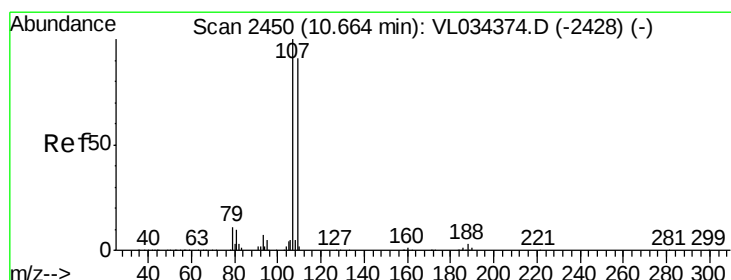
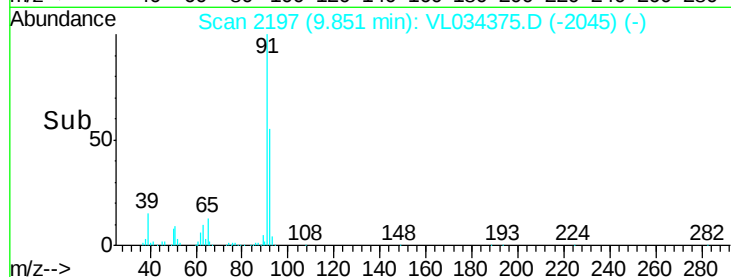
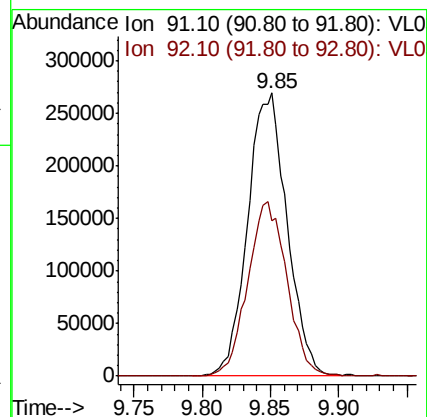
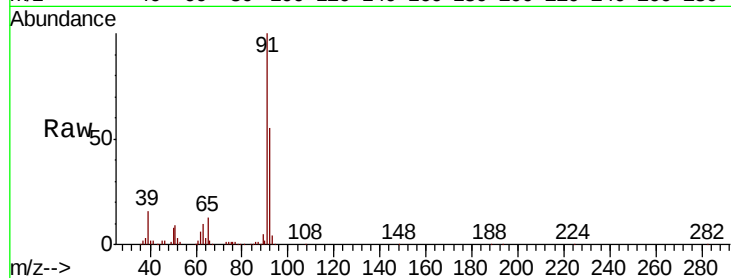
91 100

92 61.0 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 2.225 ppbv

RT: 10.66 min Scan# 2449

Delta R.T. -0.01 min

Lab File: VL034375.D

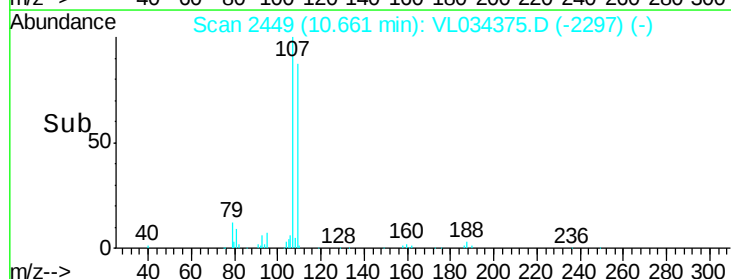
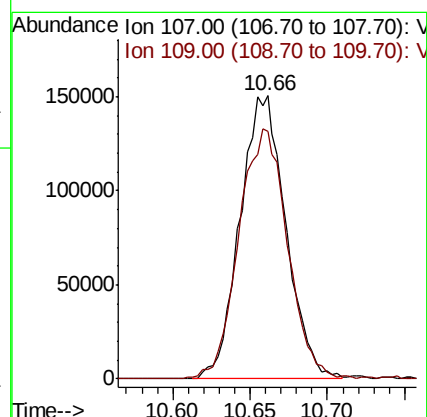
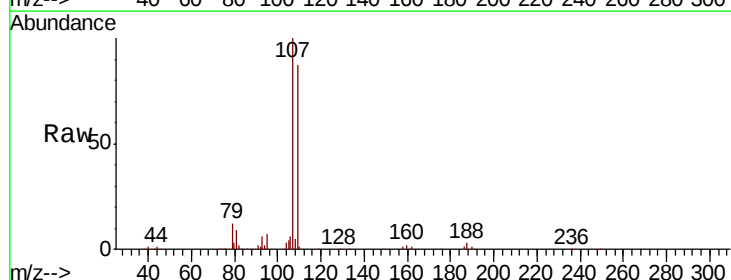
Acq: 19 Nov 2019 10:30

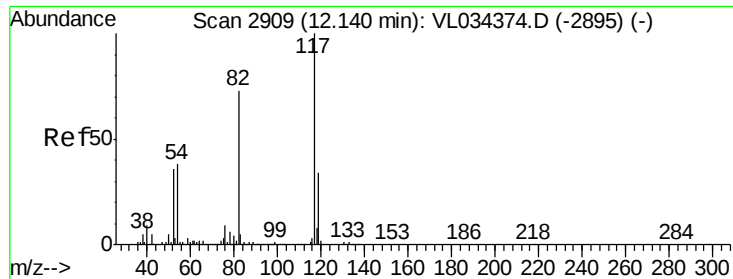
Tgt Ion: 107 Resp: 307387

Ion Ratio Lower Upper

107 100

109 86.9 74.6 112.0





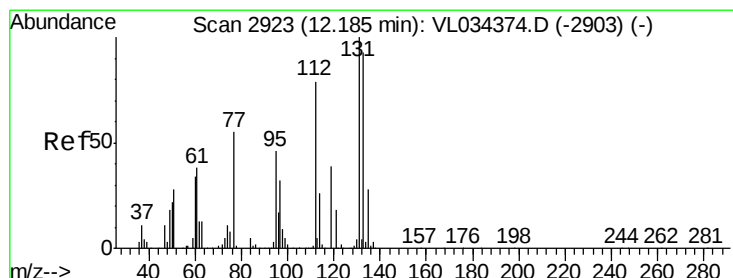
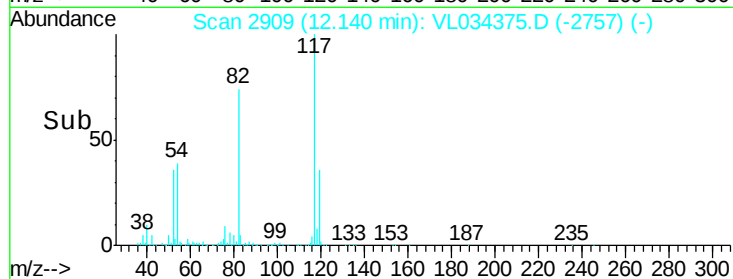
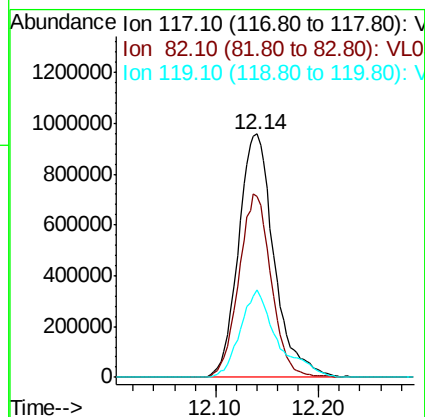
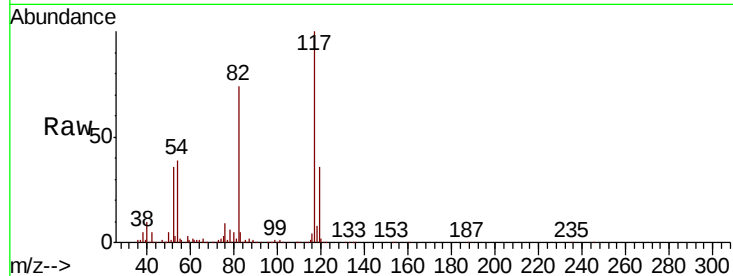
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	55.5	83.3
119	37.3	26.5	39.7

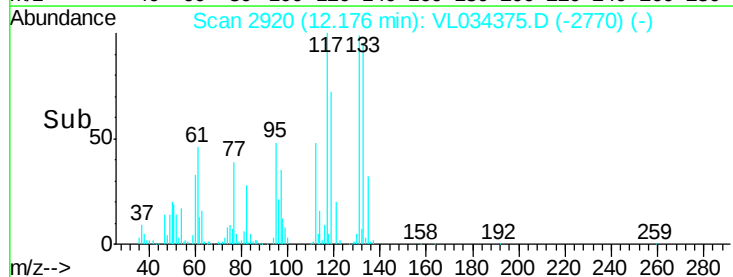
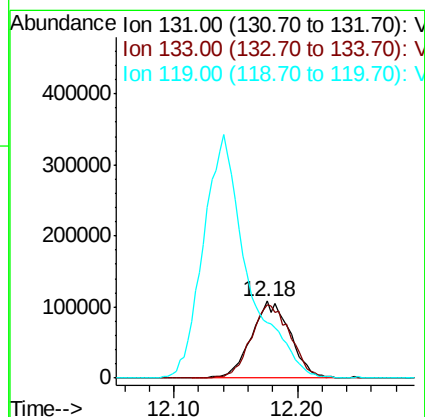
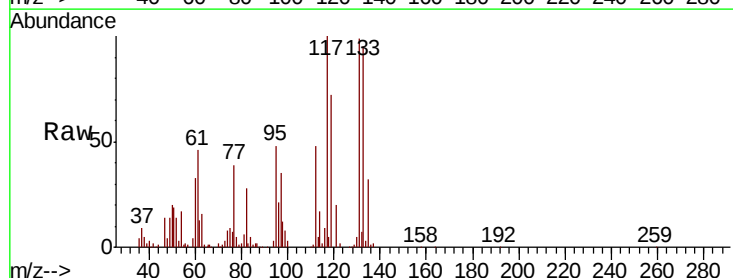
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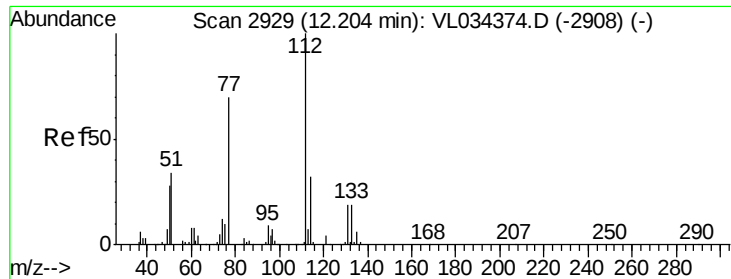
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.230 ppbv m
RT: 12.18 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.1	115.7#
119	0.0	49.0	73.4#





#57

Chlorobenzene

Concen: 2.266 ppbv

RT: 12.20 min Scan# 2927

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

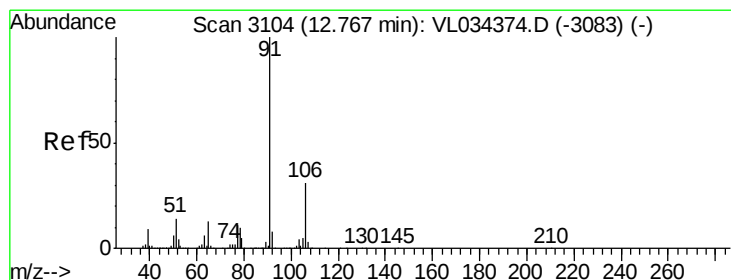
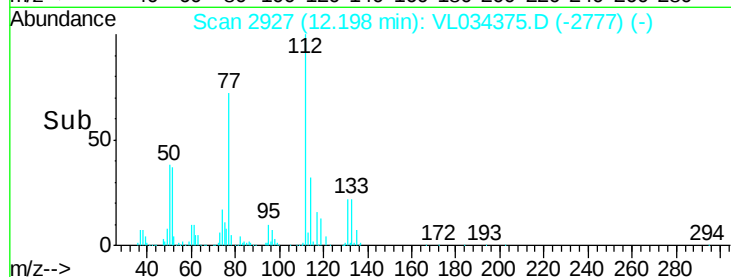
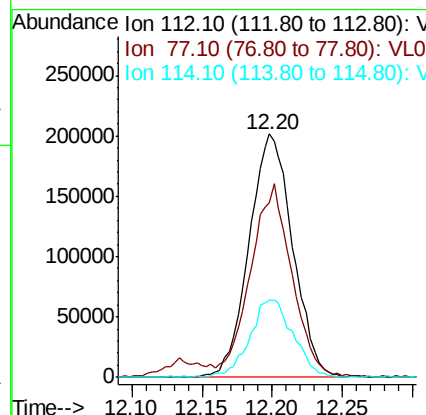
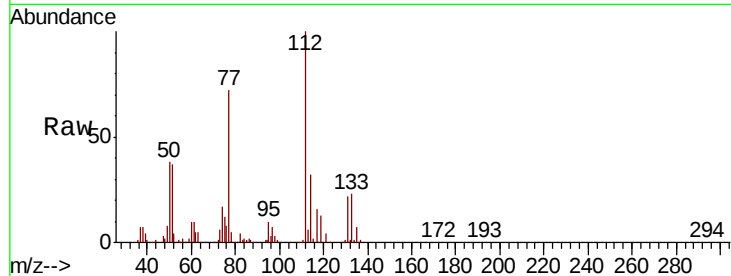
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	434528
Ion Ratio	Lower	Upper	
112	100		
77	70.6	58.6	88.0
114	31.6	28.6	35.0

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.425 ppbv

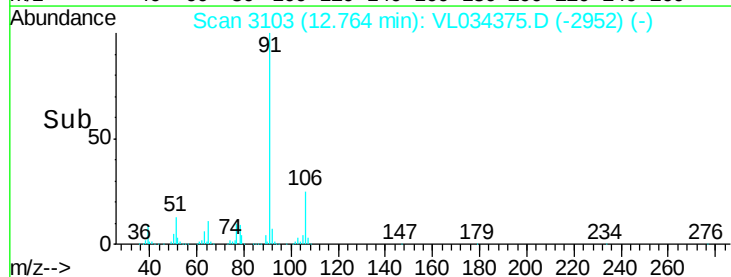
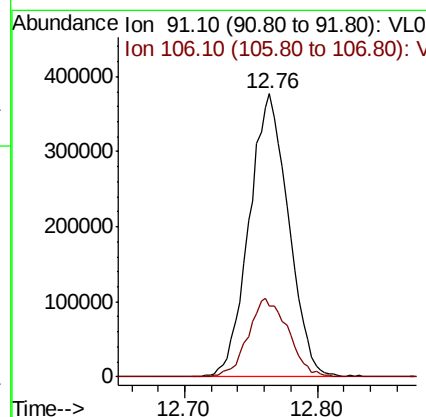
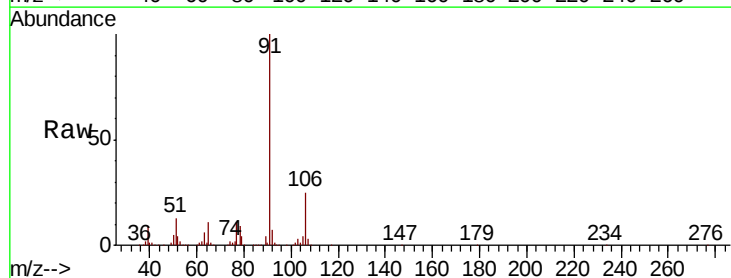
RT: 12.76 min Scan# 3103

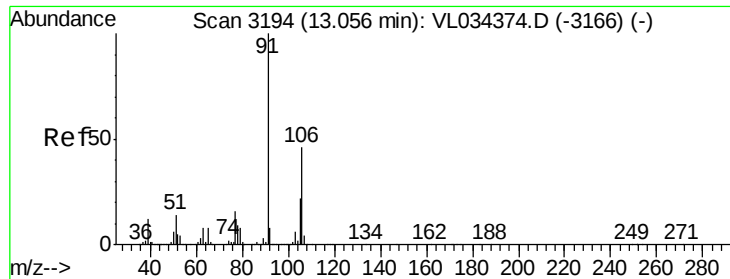
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	91	Resp:	779293
Ion Ratio	Lower	Upper	
91	100		
106	25.2	25.3	37.9#





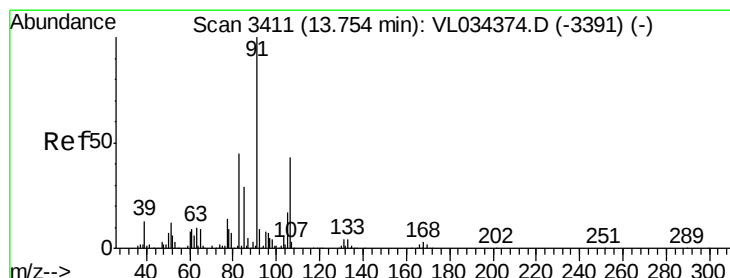
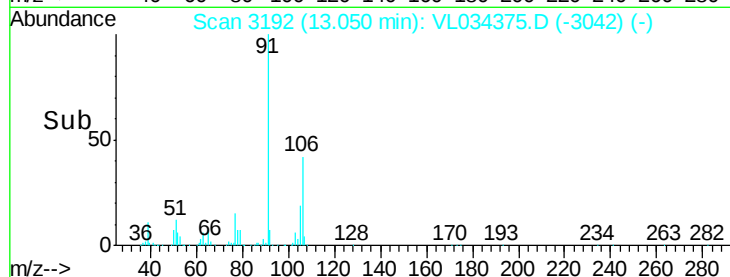
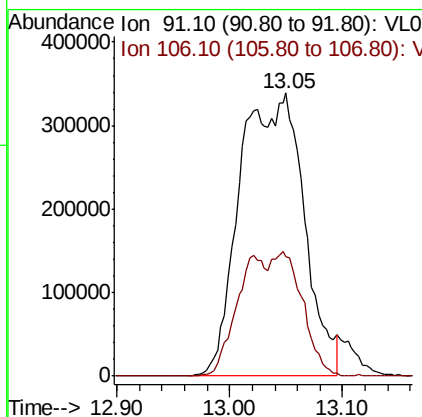
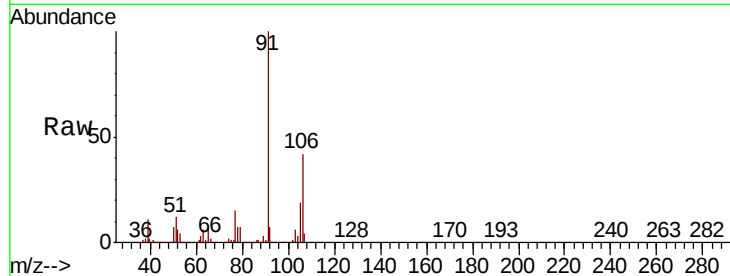
#59
m/p-Xylene
Concen: 4.798 ppbv m
RT: 13.05 min Scan# 3192
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1335679
Ion Ratio Lower Upper
91 100
106 42.2 35.4 53.2

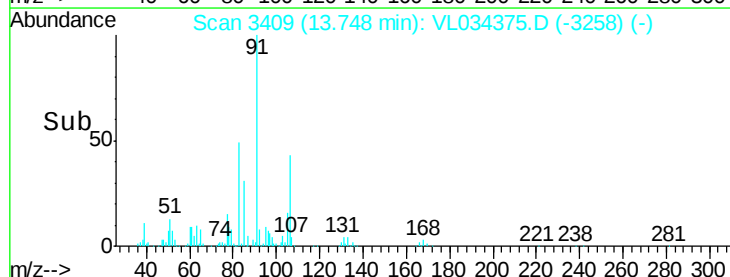
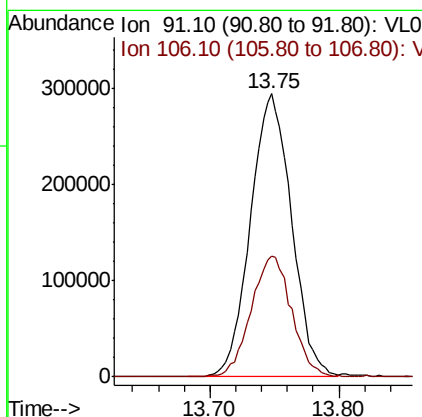
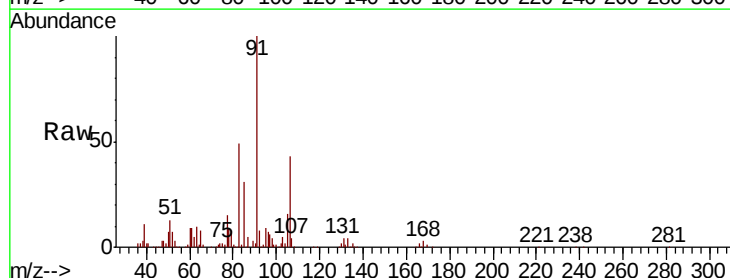
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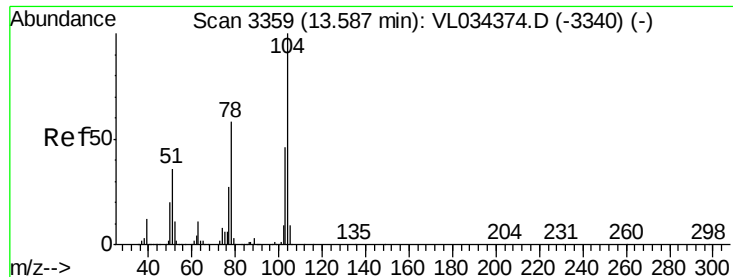
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#60
o-Xylene
Concen: 2.353 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion: 91 Resp: 652303
Ion Ratio Lower Upper
91 100
106 42.5 21.6 64.6





#61

Stvrene

Concen: 2.472 ppbv m

RT: 13.59 min Scan# 3359

Delta R.T. -0.01 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:104 Resp: 482497

Ion Ratio Lower Upper

104 100

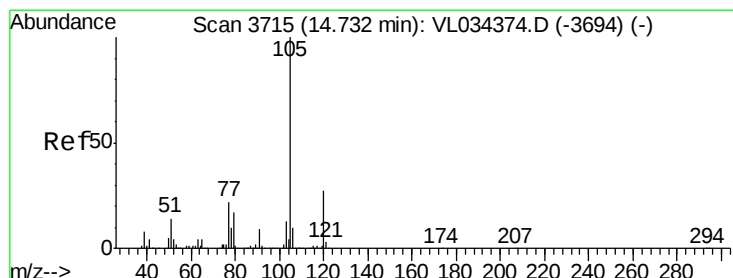
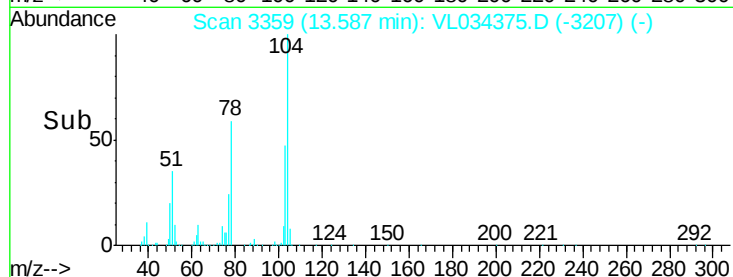
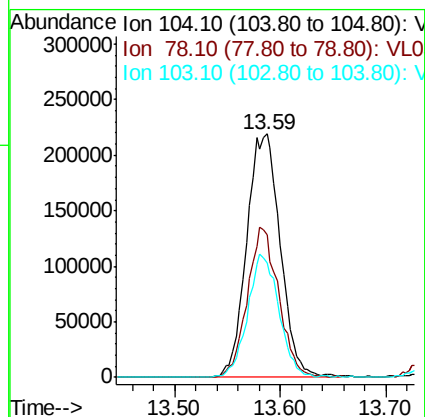
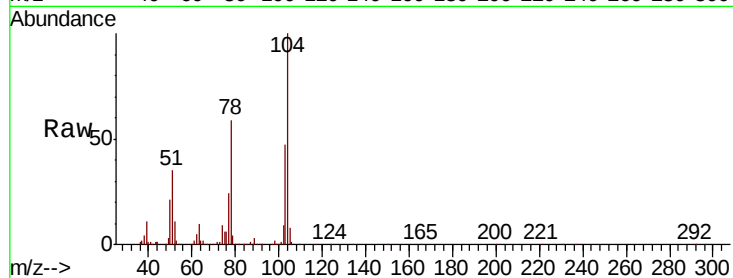
78 0.0 47.8 71.8#

103 0.0 39.0 58.6#

Manual Integrations
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#62

Isopropylbenzene

Concen: 2.424 ppbv

RT: 14.72 min Scan# 3712

Delta R.T. -0.02 min

Lab File: VL034375.D

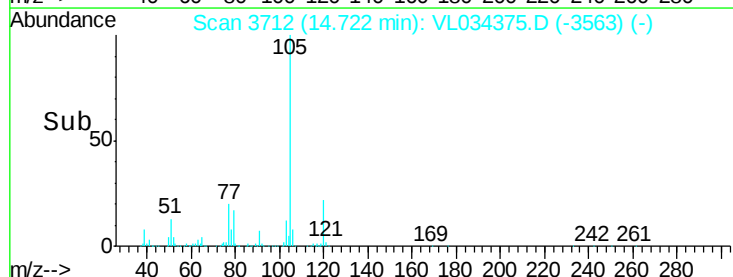
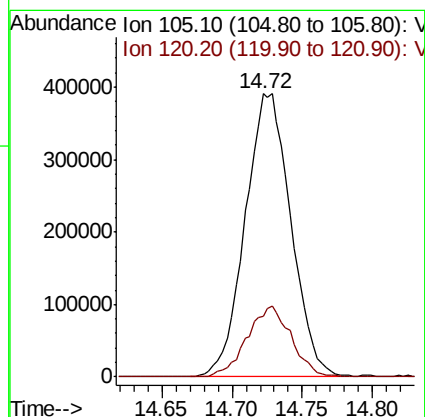
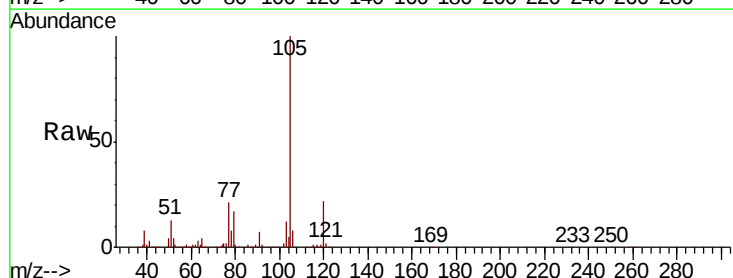
Acq: 19 Nov 2019 10:30

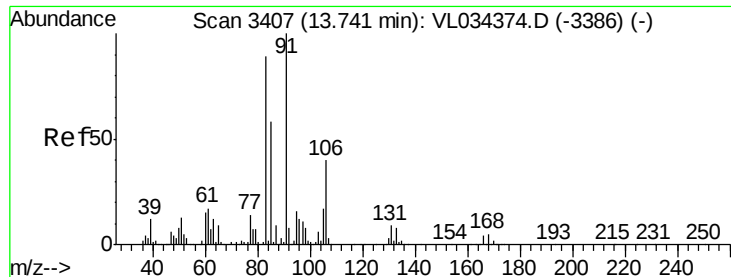
Tgt Ion:105 Resp: 887106

Ion Ratio Lower Upper

105 100

120 24.3 20.8 31.2





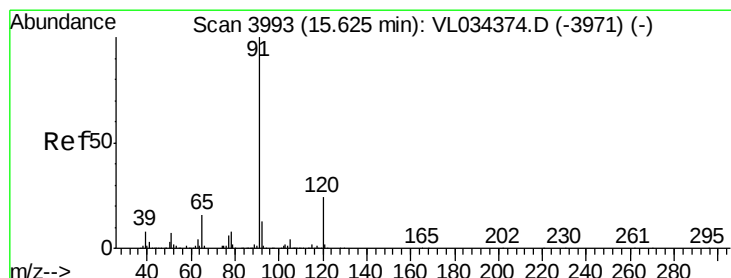
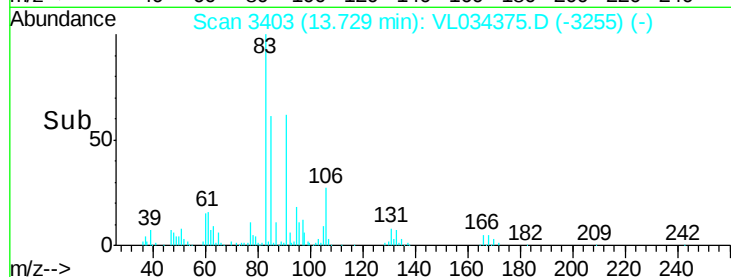
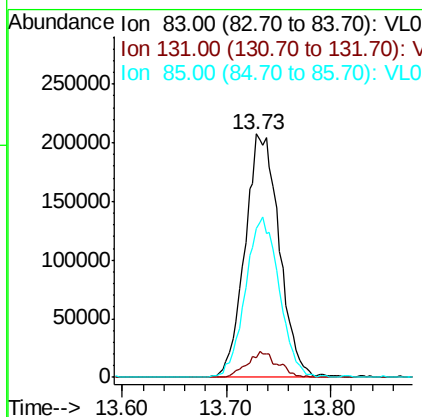
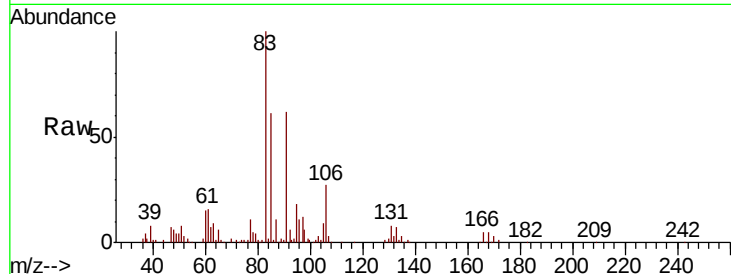
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.126 ppbv m
 RT: 13.73 min Scan# 3403
 Delta R.T. -0.03 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	83	Resp	473540
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.0	32.5	97.4

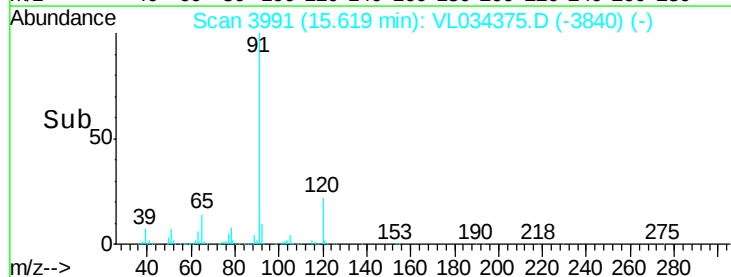
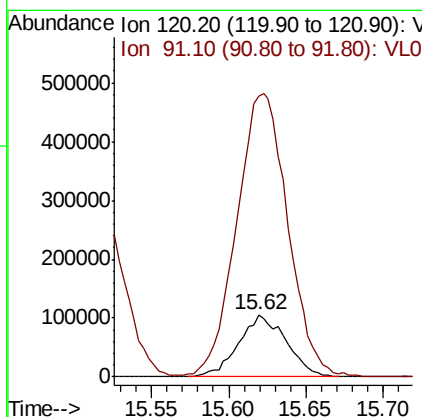
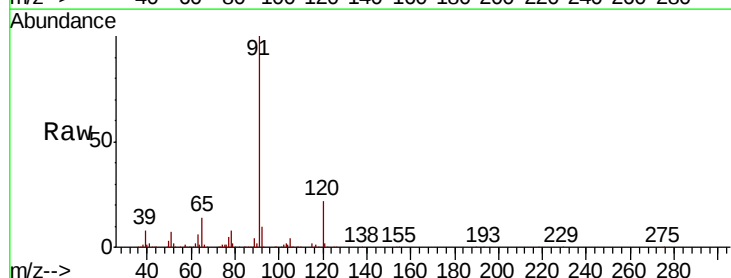
Manual Integrations
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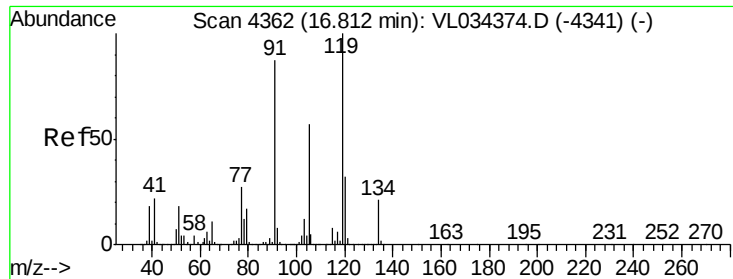
MMDadoda
 11/20/2019 3:52:59 PM



#64
 n-propylbenzene
 Concen: 2.398 ppbv
 RT: 15.62 min Scan# 3991
 Delta R.T. -0.02 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Tgt Ion	120	Resp	225204
Ion	Ratio	Lower	Upper
120	100		
91	495.1	374.9	562.3





#65

tert-Butylbenzene

Concen: 2.512 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

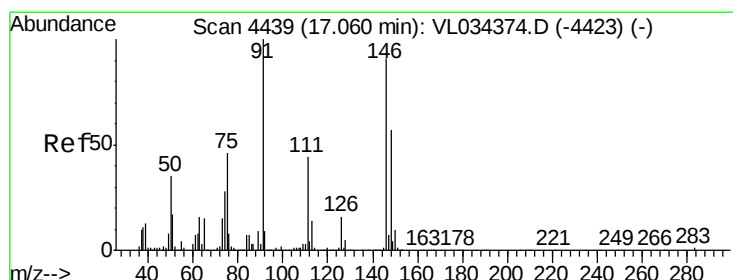
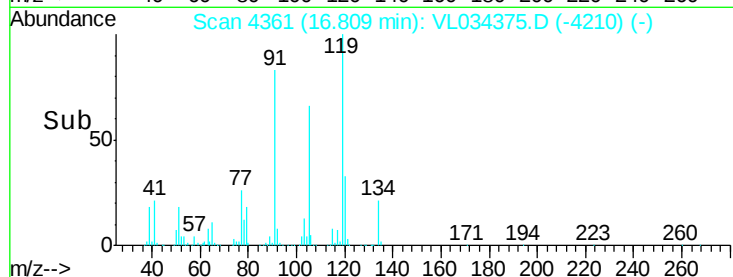
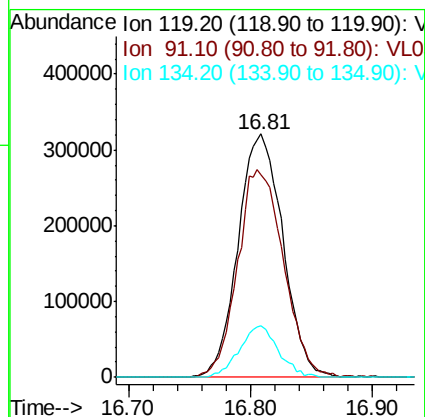
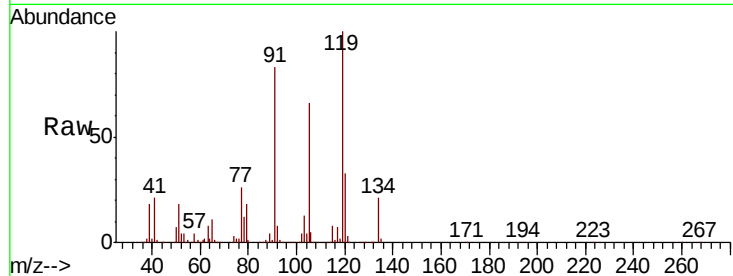
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	814815
Ion Ratio	Lower	Upper	
119	100		
91	87.9	71.4	107.0
134	18.5	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 2.286 ppbv

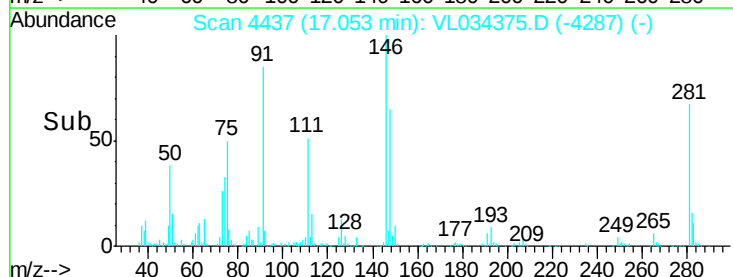
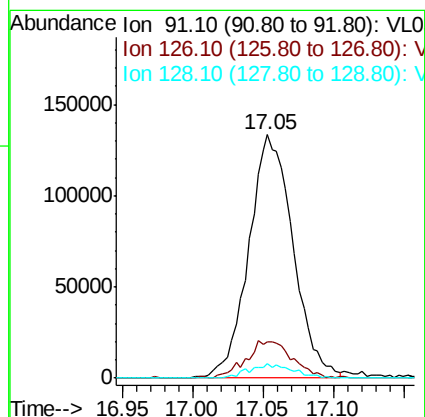
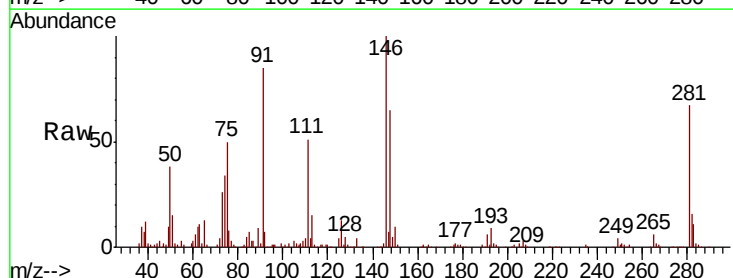
RT: 17.05 min Scan# 4437

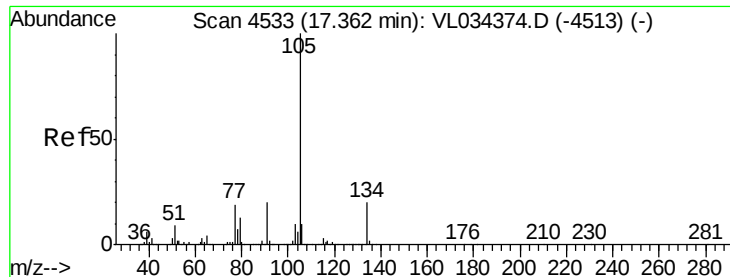
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	91	Resp:	292885
Ion Ratio	Lower	Upper	
91	100		
126	16.2	12.9	19.3
128	5.7	4.3	6.5





#67

sec-Butylbenzene

Concen: 2.488 ppbv

RT: 17.36 min Scan# 4531

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 1135679

Ion Ratio Lower Upper

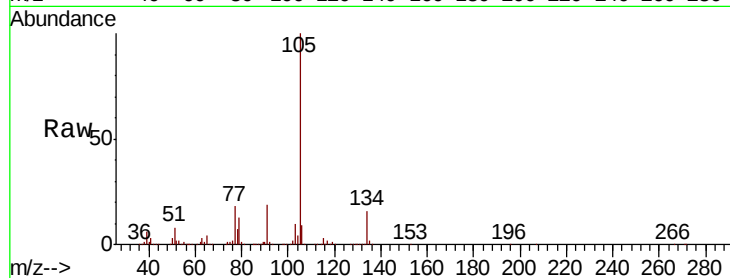
105 100

134 17.6 15.4 23.0

Manual Integrations
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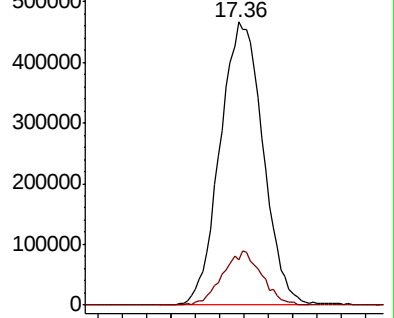
MMDadoda

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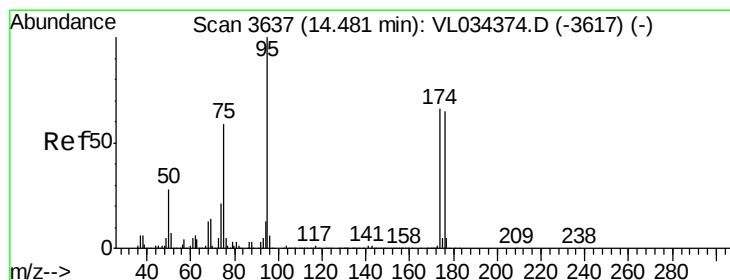
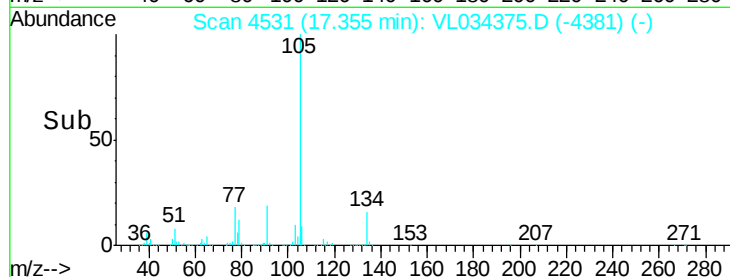


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.584 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

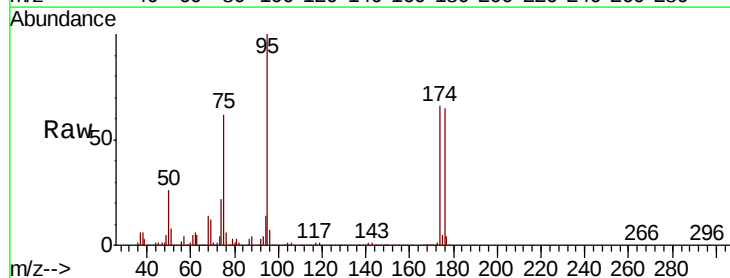
Tgt Ion: 95 Resp: 1865794

Ion Ratio Lower Upper

95 100

174 66.2 52.6 78.8

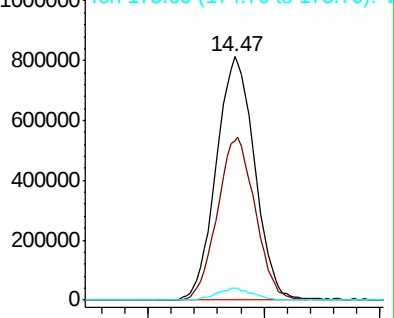
175 4.7 3.8 5.6



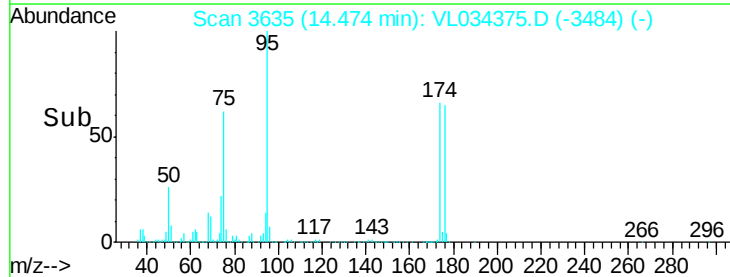
Abundance Ion 95.10 (94.80 to 95.80): VL0

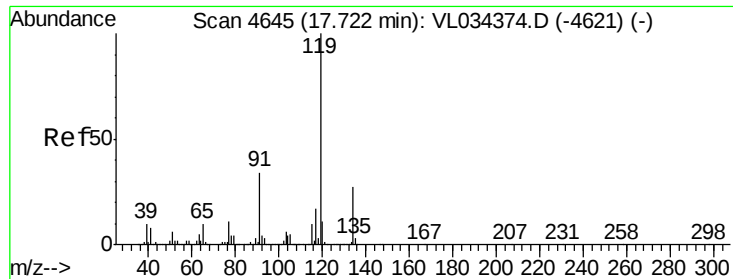
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->





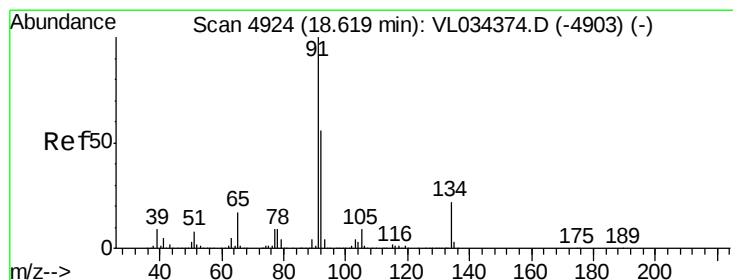
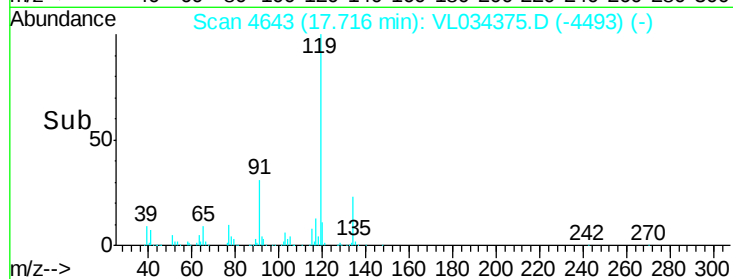
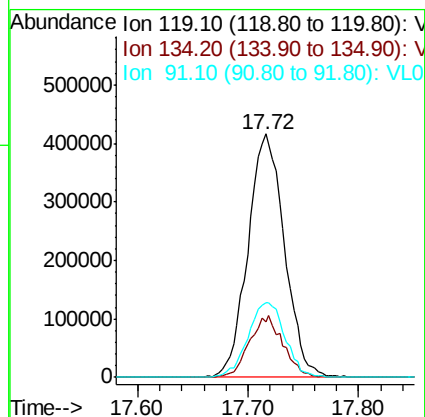
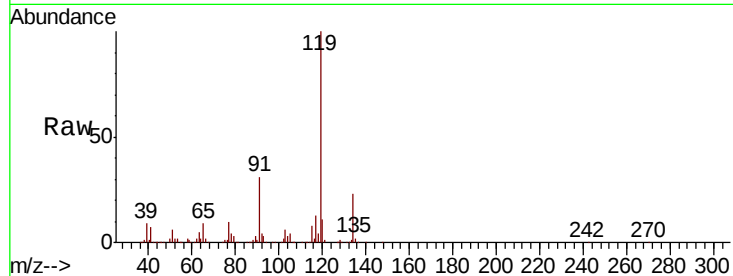
#69
p-Isopropyltoluene
Concen: 2.557 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	119	Resp:	951545
Ion Ratio	Lower	Upper	
119	100		
134	23.6	21.3	31.9
91	31.6	26.6	39.8

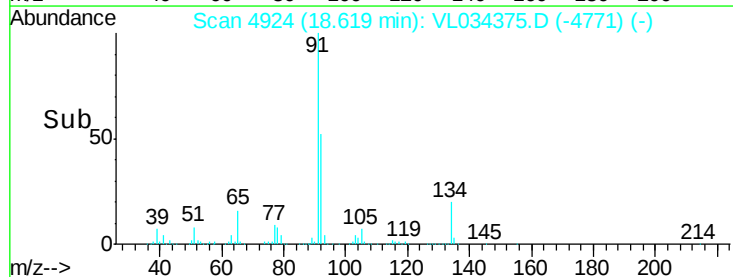
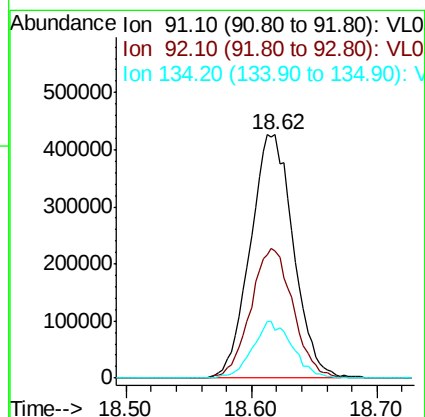
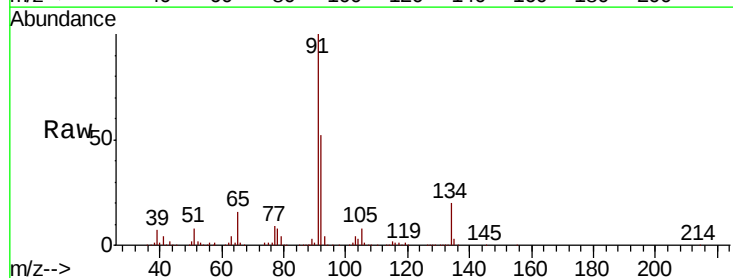
Manual Integrations
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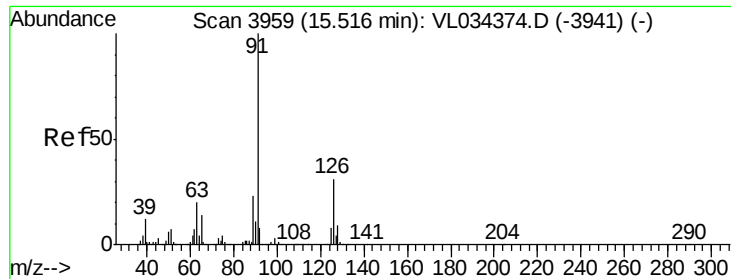
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#70
n-Butylbenzene
Concen: 2.520 ppbv
RT: 18.62 min Scan# 4924
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion:	91	Resp:	1020057
Ion Ratio	Lower	Upper	
91	100		
92	52.3	44.5	66.7
134	21.6	18.2	27.2





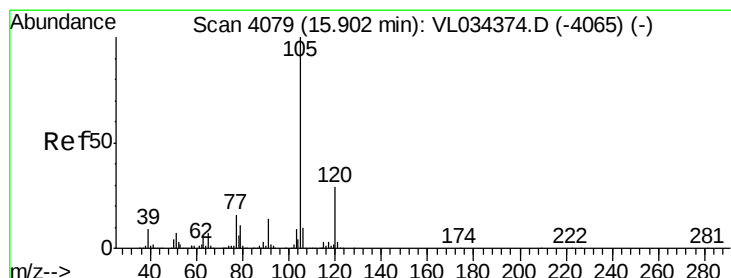
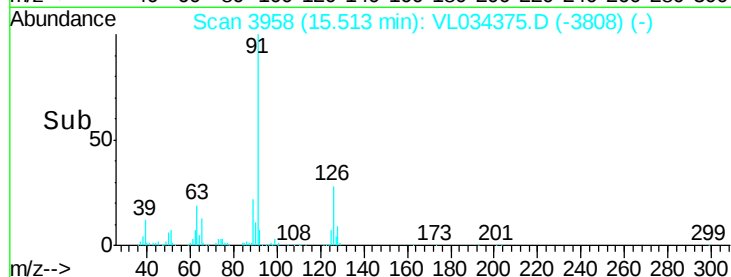
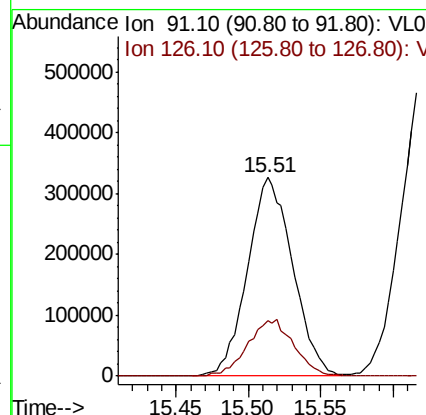
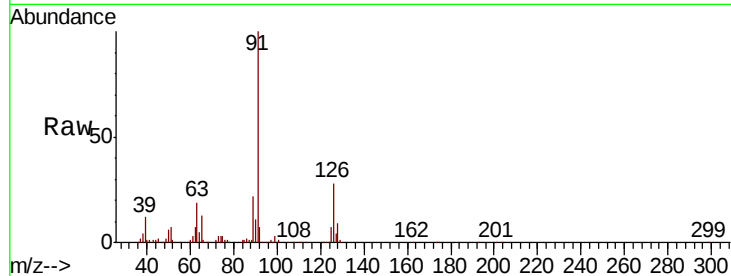
#71
 2-Chlorotoluene
 Concen: 2.490 ppbv
 RT: 15.51 min Scan# 3958
 Delta R.T. -0.02 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
91	100	706616		
126	29.1	11.9	47.5	

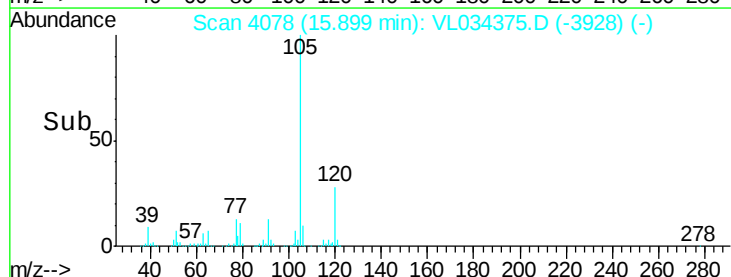
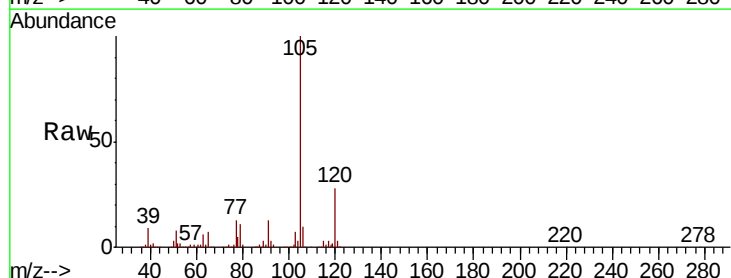
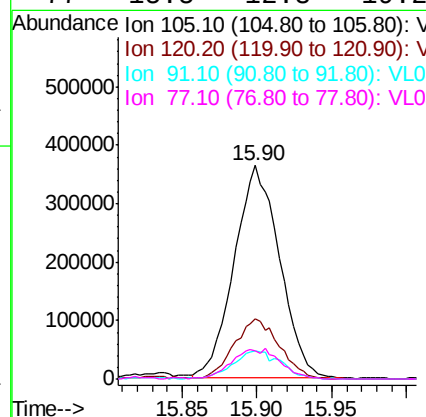
Manual Integrations
 APPROVED

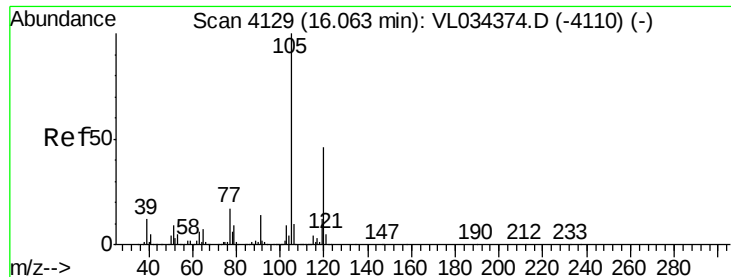
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 2.464 ppbv
 RT: 15.90 min Scan# 4078
 Delta R.T. -0.02 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	767776		
120	28.6	23.8	35.8	
91	14.8	11.2	16.8	
77	15.5	12.8	19.2	





#73

1,3,5-Trimethylbenzene

Concen: 2.422 ppbv

RT: 16.06 min Scan# 4127

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 747744

Ion Ratio Lower Upper

105 100

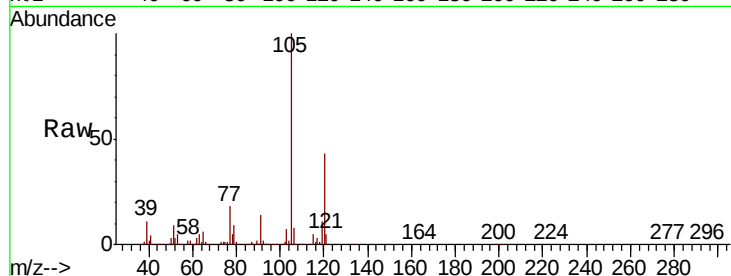
120 42.8 35.2 52.8

Manual Integrations

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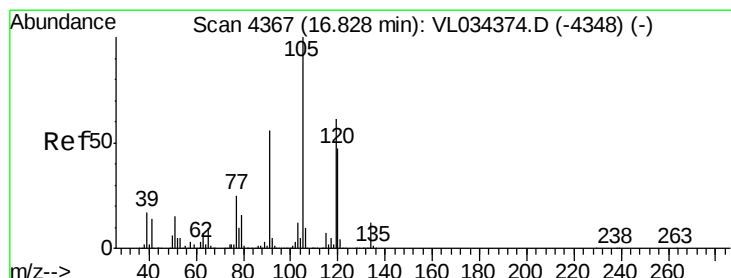
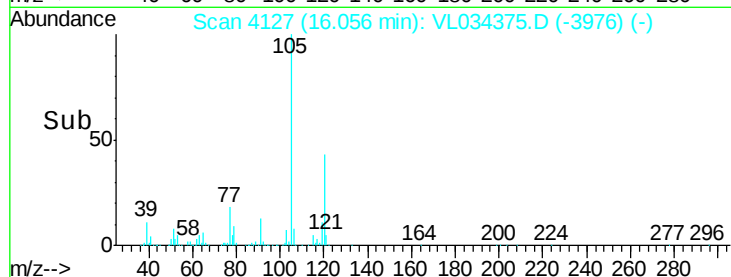
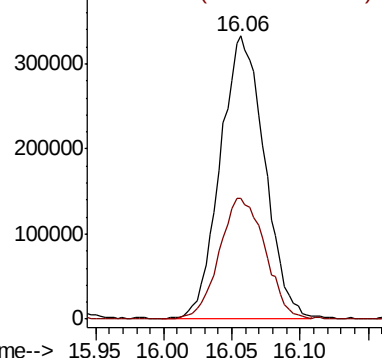
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 2.506 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:105 Resp: 806910

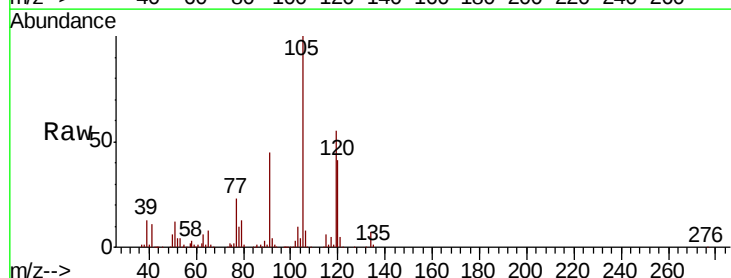
Ion Ratio Lower Upper

105 100

120 40.0 37.0 55.6

91 45.3 38.2 57.2

77 22.3 19.0 28.4

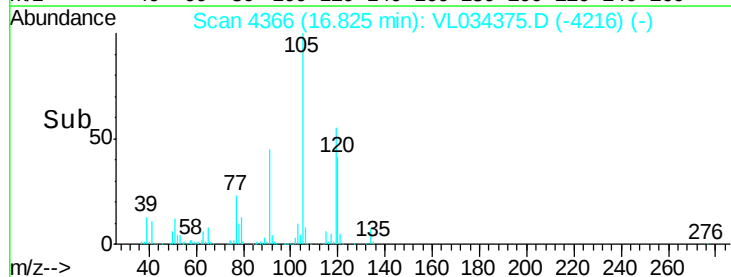
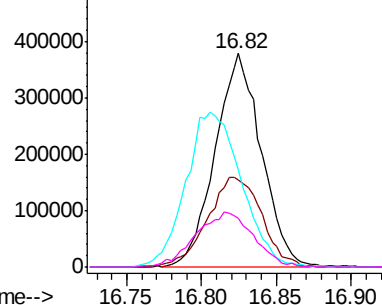


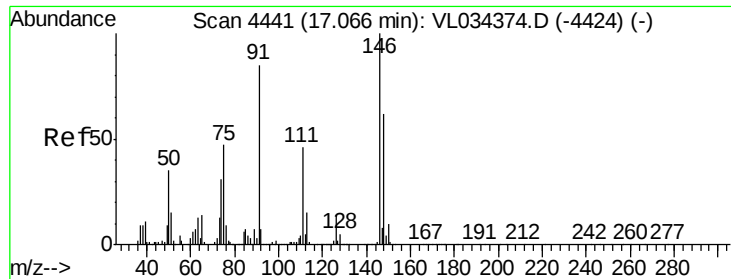
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 2.335 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

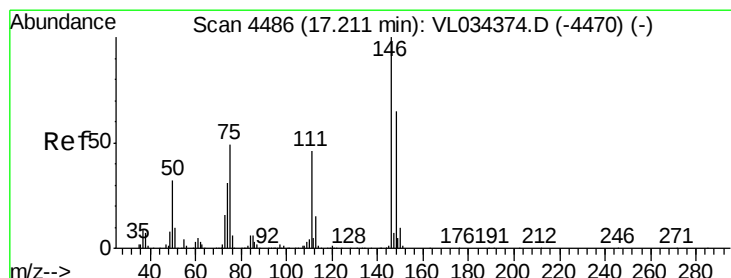
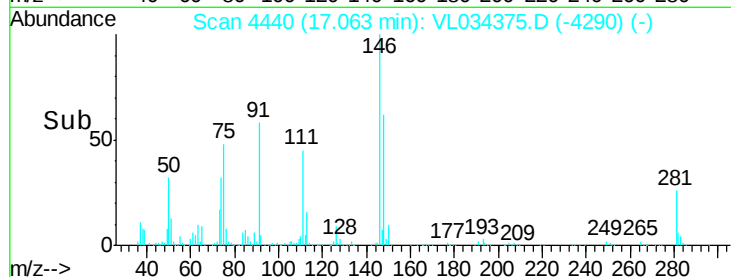
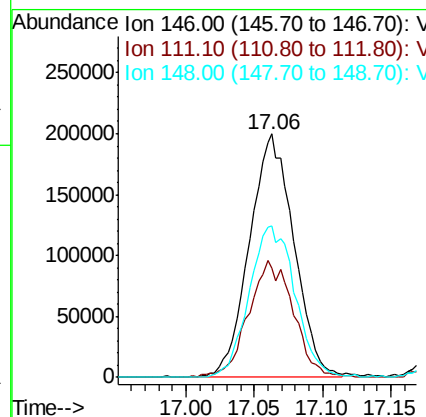
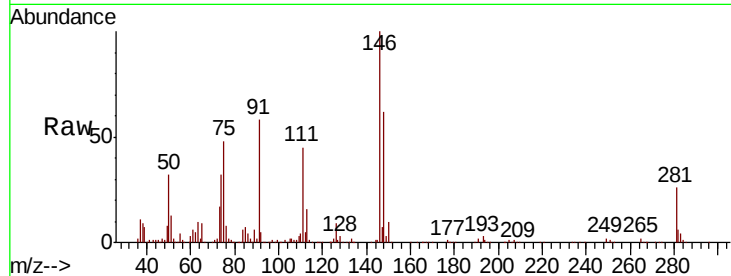
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	451377
Ion Ratio		Lower	Upper
146	100		
111	48.5	24.5	73.5
148	64.5	32.3	96.8

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 2.313 ppbv

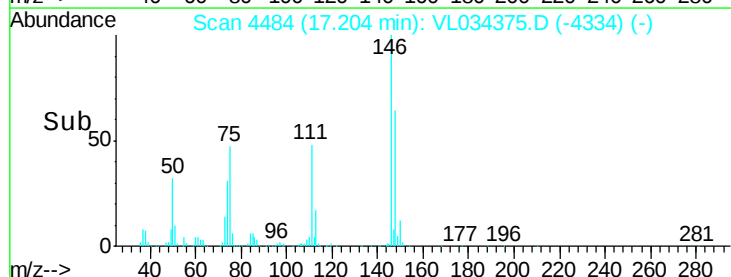
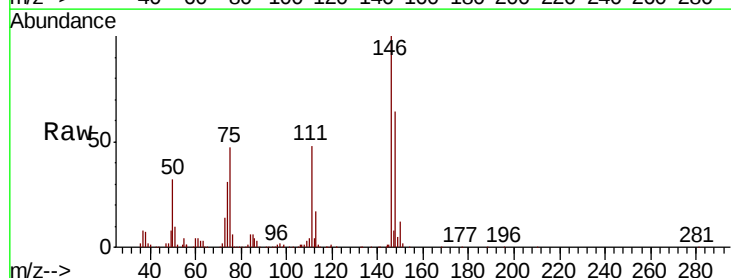
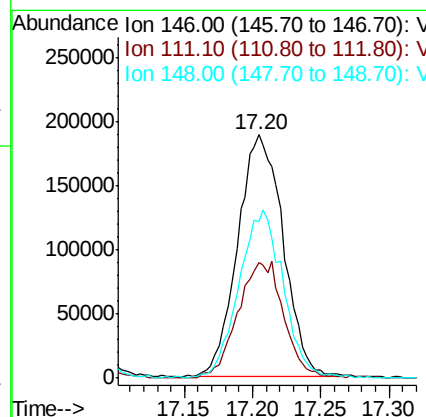
RT: 17.20 min Scan# 4484

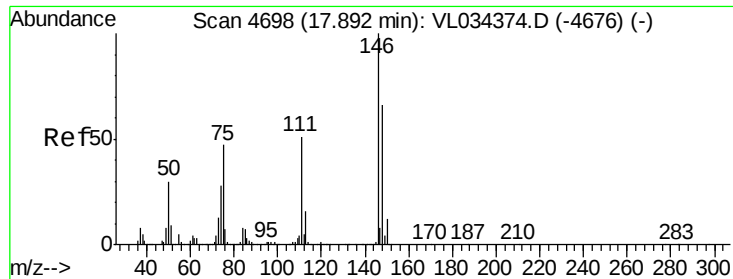
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	146	Resp:	436822
Ion Ratio		Lower	Upper
146	100		
111	49.0	23.9	71.7
148	67.6	33.1	99.2





#77

1,2-Dichlorobenzene

Concen: 2.380 ppbv

RT: 17.89 min Scan# 4696

Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Instrument :

MSVOA_L

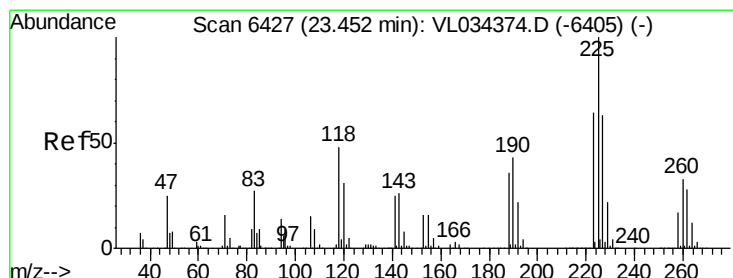
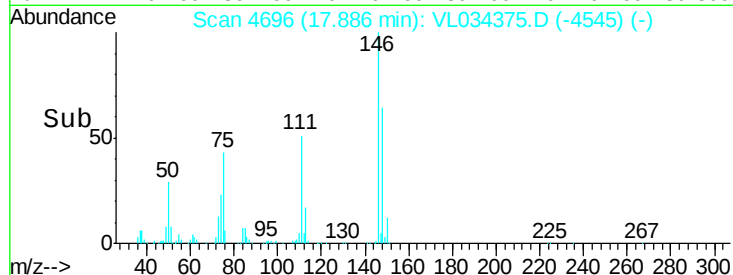
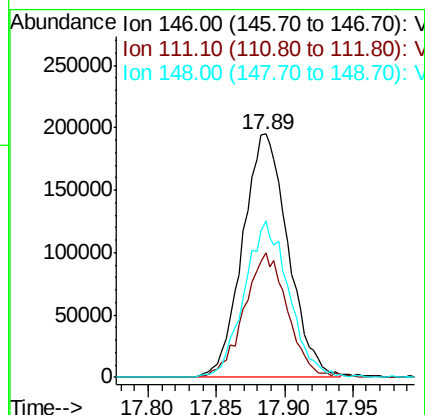
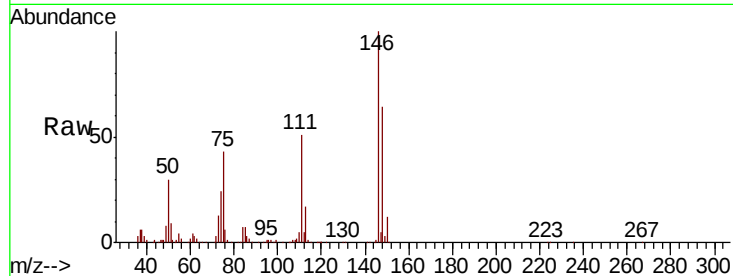
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	451083
Ion Ratio	Lower	Upper	
146	100		
111	49.1	25.1	75.3
148	63.0	32.3	96.8

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#78

Hexachloro-1,3-Butadiene

Concen: 2.476 ppbv

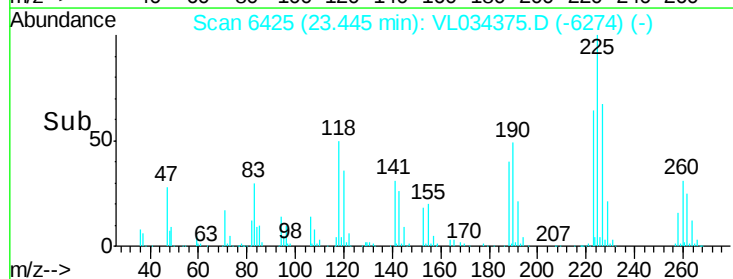
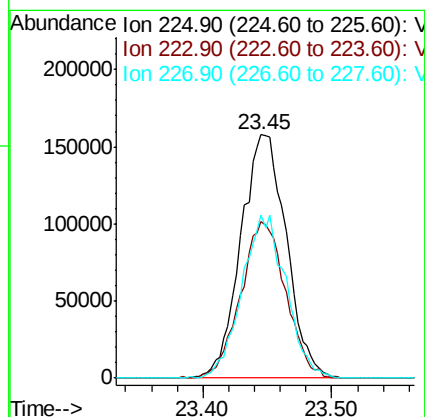
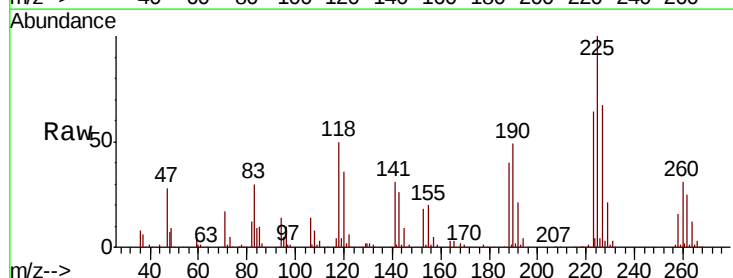
RT: 23.45 min Scan# 6425

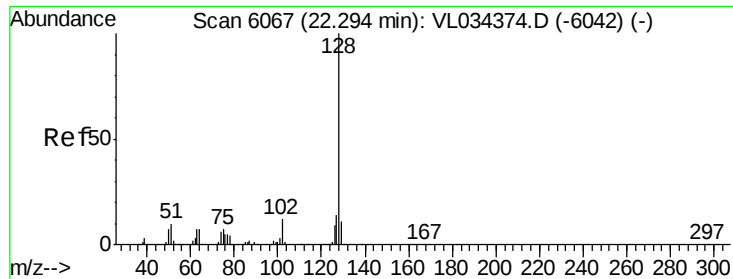
Delta R.T. -0.02 min

Lab File: VL034375.D

Acq: 19 Nov 2019 10:30

Tgt Ion:	225	Resp:	388220
Ion Ratio	Lower	Upper	
225	100		
223	63.7	50.8	76.2
227	64.9	51.5	77.3





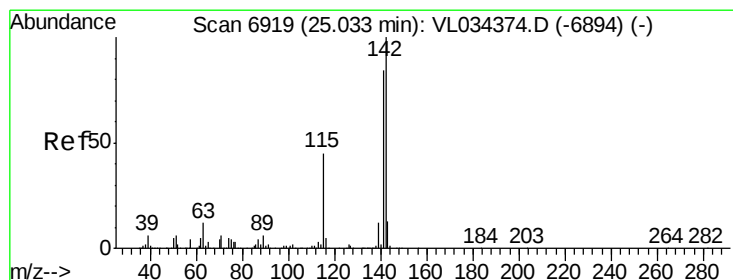
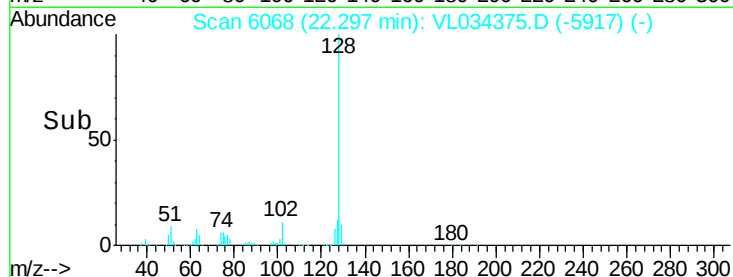
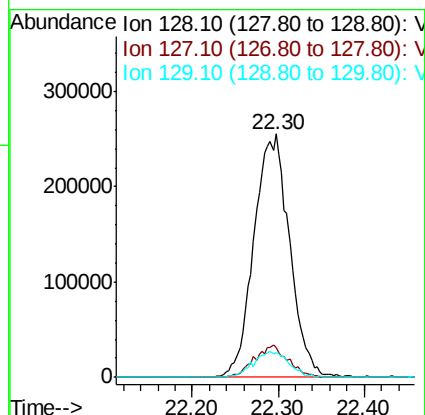
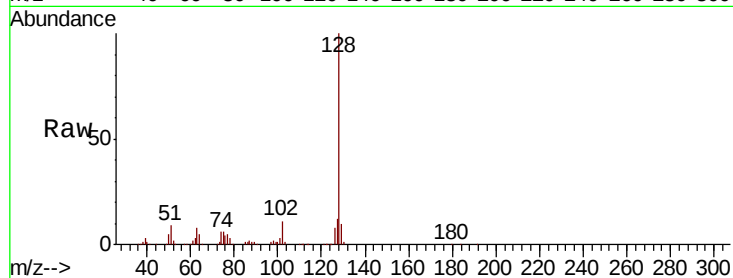
#79
Naphthalene
Concen: 3.111 ppbv m
RT: 22.30 min Scan# 6068
Delta R.T. -0.02 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.4	8.9	13.3

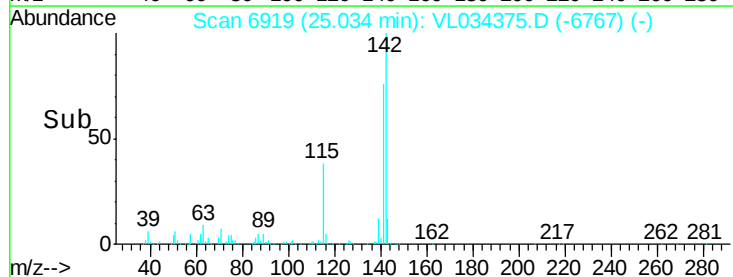
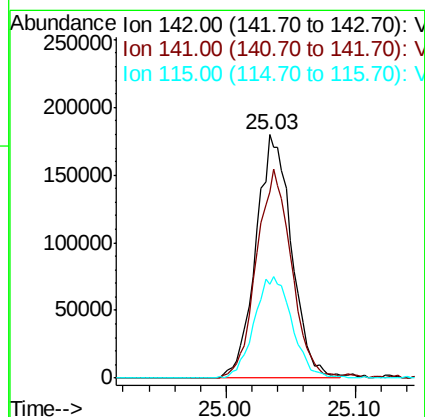
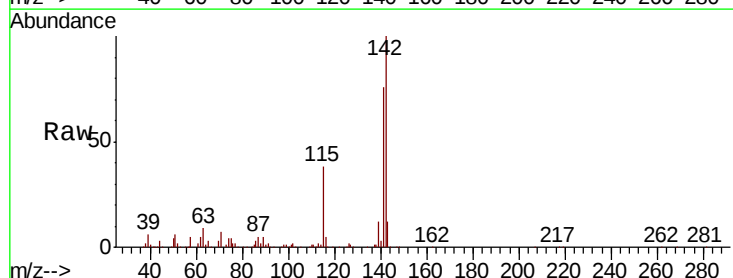
Manual Integrations
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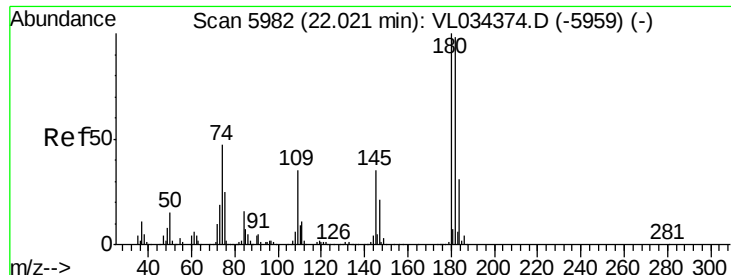
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#80
Naphthalene, 2-methyl-
Concen: 5.071 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. -0.01 min
Lab File: VL034375.D
Acq: 19 Nov 2019 10:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	65.7	98.5
115	44.9	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.899 ppbv m
 RT: 22.01 min Scan# 5979
 Delta R.T. -0.02 min
 Lab File: VL034375.D
 Acq: 19 Nov 2019 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100	445402		
182	94.9		77.8	116.8
184	0.0		25.4	38.2#

Manual Integrations
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