

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064429.D
 Acq On : 4 Nov 2020 11:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:19 PM

Quant Time: Nov 04 11:46:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	347072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	602472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	571286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	270604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	593677	104.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.10%	
35) Dibromofluoromethane	7.55	113	416423	103.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.16%	
50) Toluene-d8	10.06	98	1650259	109.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.74%	
62) 4-Bromofluorobenzene	12.37	95	640350	109.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	219.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	445433	108.521	ug/l	98
3) Chloromethane	2.04	50	523384	114.916	ug/l	98
4) Vinyl Chloride	2.17	62	555815	125.201	ug/l	99
5) Bromomethane	2.52	94	346202	118.986	ug/l	98
6) Chloroethane	2.67	64	340390	125.683	ug/l	99
7) Trichlorofluoromethane	2.98	101	779154	107.219	ug/l	99
8) Diethyl Ether	3.37	74	281230	120.180	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	371762	103.137	ug/l	99
10) Methyl Iodide	3.91	142	483514	102.794	ug/l	97
11) Tert butyl alcohol	4.75	59	342260	433.780	ug/l	98
12) 1,1-Dichloroethene	3.69	96	364165	106.982	ug/l	98
13) Acrolein	3.57	56	221575	927.148	ug/l	100
14) Allyl chloride	4.27	41	723030	104.260	ug/l	100
15) Acrylonitrile	4.93	53	1001790	562.382	ug/l	99
16) Acetone	3.78	43	1107484	523.961	ug/l	100
17) Carbon Disulfide	4.01	76	1090399	107.383	ug/l	98
18) Methyl Acetate	4.28	43	439982	103.588	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1365312	105.291	ug/l	99
20) Methylene Chloride	4.50	84	435192	107.081	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	415576	108.411	ug/l	98
22) Diisopropyl ether	5.90	45	1617229	117.101	ug/l	96
23) Vinyl Acetate	5.85	43	6807317	589.177	ug/l	98
24) 1,1-Dichloroethane	5.80	63	831492	108.554	ug/l	100
25) 2-Butanone	6.79	43	1557616	543.377	ug/l	98
26) 2,2-Dichloropropane	6.78	77	772530	104.563	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	492355	112.477	ug/l	98
28) Bromochloromethane	7.15	49	433076	121.675	ug/l	97
29) Tetrahydrofuran	7.17	42	959148	522.864	ug/l	99
30) Chloroform	7.33	83	880304	107.657	ug/l	98
31) Cyclohexane	7.61	56	707641	105.228	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	781533	101.227	ug/l	99
36) 1,1-Dichloropropene	7.75	75	665675	107.157	ug/l	99
37) Ethyl Acetate	6.88	43	638624	103.051	ug/l	100
38) Carbon Tetrachloride	7.73	117	688407	97.725	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	607889	100.334	ug/l	99
40) Benzene	8.00	78	1896861	109.002	ug/l	100
41) Methacrylonitrile	7.13	41	320894	106.313	ug/l	88
42) 1,2-Dichloroethane	8.08	62	753061	101.637	ug/l	99
43) Isopropyl Acetate	8.13	43	1101549	104.183	ug/l #	90
44) Trichloroethene	8.80	130	473277	105.350	ug/l	99
45) 1,2-Dichloropropane	9.08	63	506151	108.438	ug/l	97
46) Dibromomethane	9.17	93	339433	105.935	ug/l	98
47) Bromodichloromethane	9.37	83	724133	101.776	ug/l	98
48) Methyl methacrylate	9.17	41	565066	103.462	ug/l	98
49) 1,4-Dioxane	9.17	88	146367	1860.011	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3259532	527.404	ug/l	98
52) Toluene	10.12	92	1211821	110.543	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	825971	109.175	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	860414	110.564	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	455743	105.852	ug/l	99
56) Ethyl methacrylate	10.40	69	732773	112.909	ug/l	99
57) 1,3-Dichloropropane	10.68	76	815836	111.114	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1731951	512.931	ug/l	99
59) 2-Hexanone	10.72	43	2480475	546.084	ug/l	99
60) Dibromochloromethane	10.87	129	535165	106.759	ug/l	100
61) 1,2-Dibromoethane	10.98	107	484502	111.128	ug/l	99
64) Tetrachloroethene	10.60	164	428038	91.293	ug/l	98
65) Chlorobenzene	11.41	112	1262635	106.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	482451	102.050	ug/l	99
67) Ethyl Benzene	11.48	91	2361385	107.574	ug/l	99
68) m/p-Xylenes	11.59	106	1753609	215.901	ug/l	98
69) o-Xylene	11.92	106	828160	105.719	ug/l	99
70) Styrene	11.94	104	1462557	113.912	ug/l	99
71) Bromoform	12.10	173	354663	97.572	ug/l #	100
73) Isopropylbenzene	12.22	105	2170389	104.798	ug/l	99
74) N-amyl acetate	12.04	43	1046193	115.068	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	643457	106.404	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	663409m	102.274	ug/l	
77) Bromobenzene	12.50	156	520766	103.600	ug/l	100
78) n-propylbenzene	12.56	91	2550098	108.787	ug/l	100
79) 2-Chlorotoluene	12.65	91	1565438	104.860	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1832992	105.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	248874	109.116	ug/l	99
82) 4-Chlorotoluene	12.75	91	1680276	109.792	ug/l	100
83) tert-Butylbenzene	12.97	119	1405234	99.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1870882	107.205	ug/l	100
85) sec-Butylbenzene	13.14	105	1852382	100.619	ug/l	100
86) p-Isopropyltoluene	13.26	119	1696938	102.612	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	924827	104.681	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	932711	103.646	ug/l	98
89) n-Butylbenzene	13.59	91	1492822	102.346	ug/l	99
90) Hexachloroethane	13.85	117	309107	100.130	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	890344	101.324	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	141411	97.599	ug/l	97

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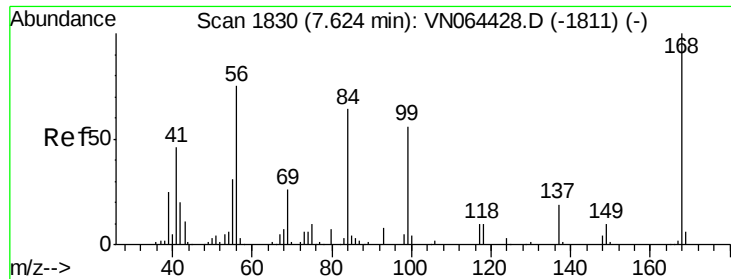
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	437774	103.646	ug/l	99
94) Hexachlorobutadiene	14.98	225	176607	69.254	ug/l	98
95) Naphthalene	15.10	128	1509978	114.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	423115	103.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 347072

Ion Ratio Lower Upper

168 100

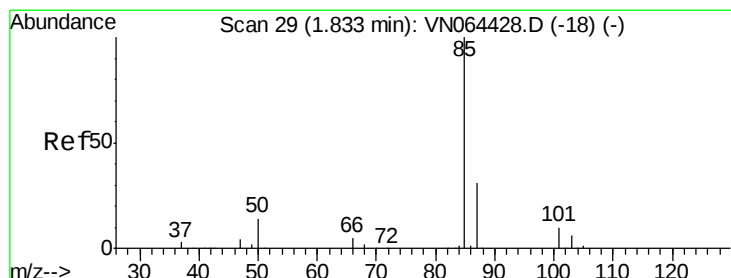
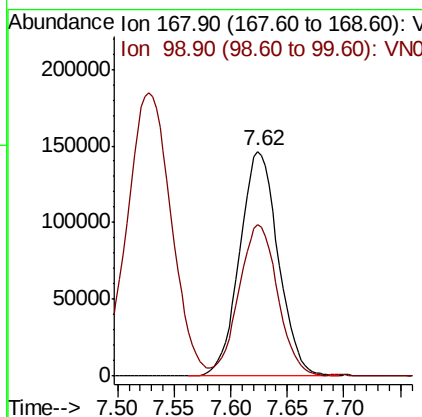
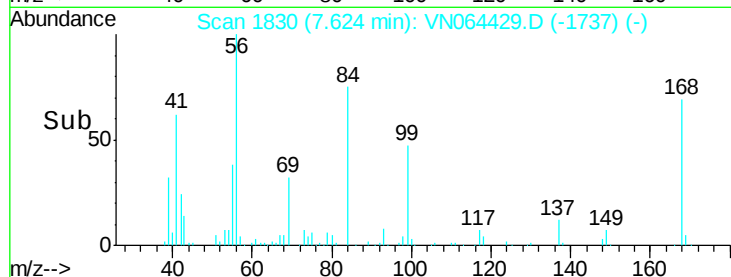
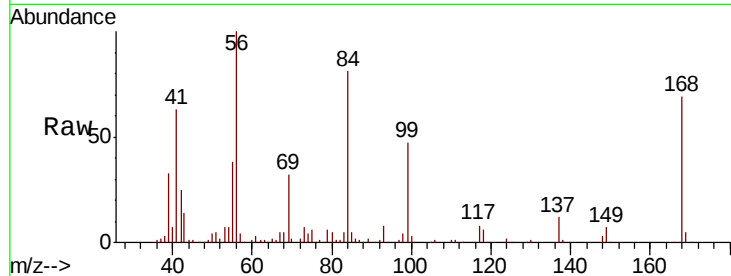
99 67.0 53.4 80.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 108.521 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064429.D

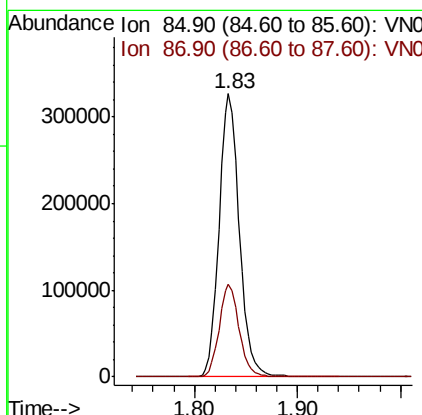
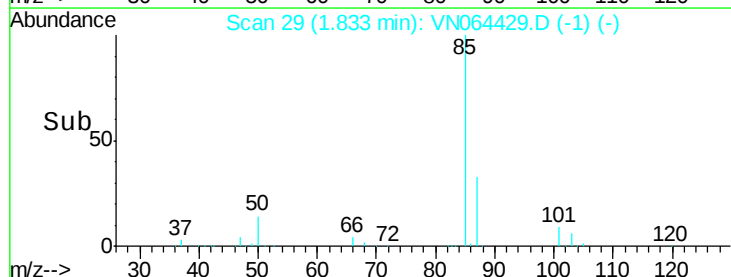
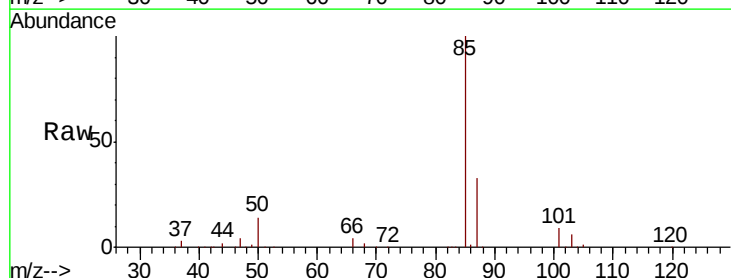
Acq: 4 Nov 2020 11:24

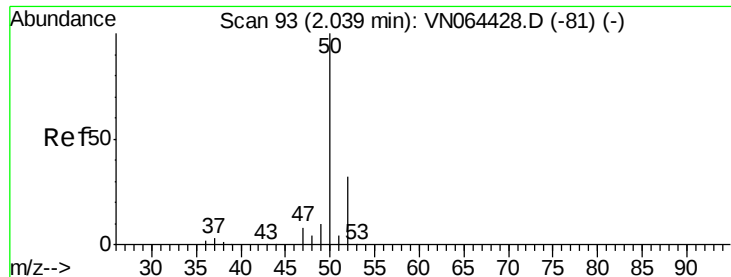
Tgt Ion: 85 Resp: 445433

Ion Ratio Lower Upper

85 100

87 32.8 15.7 47.1





#3

Chloromethane

Concen: 114.916 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 523384

Ion Ratio Lower Upper

50 100

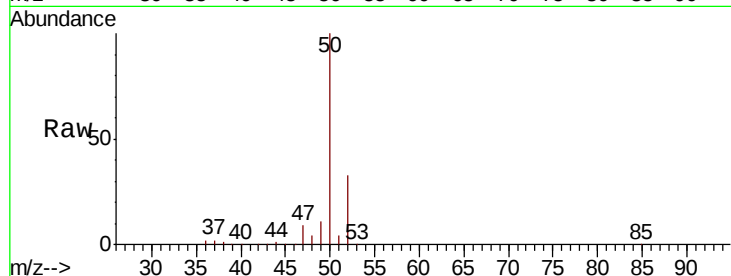
52 32.6 25.3 37.9

Manual Integrations

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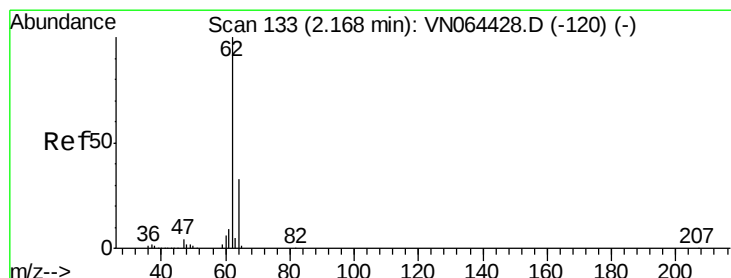
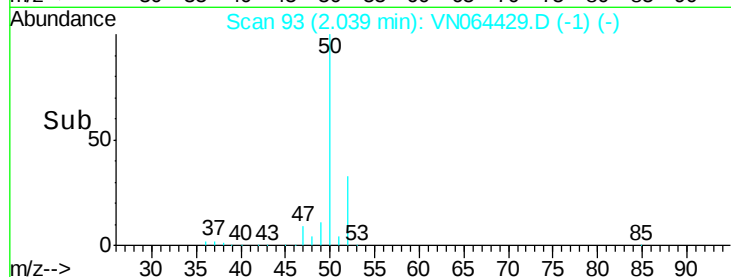
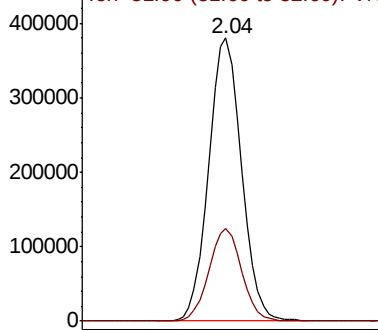
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 125.201 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064429.D

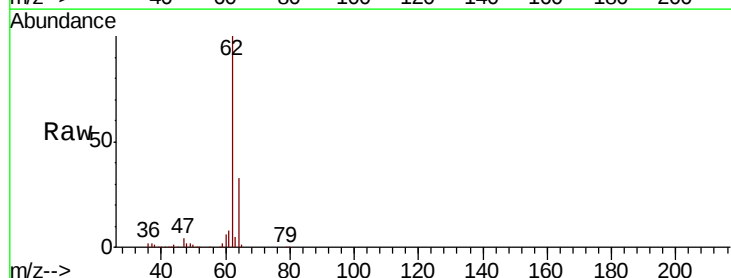
Acq: 4 Nov 2020 11:24

Tgt Ion: 62 Resp: 555815

Ion Ratio Lower Upper

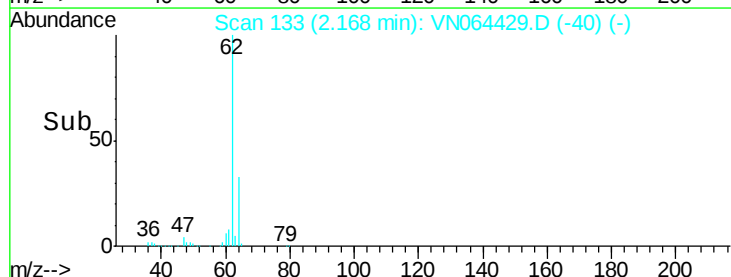
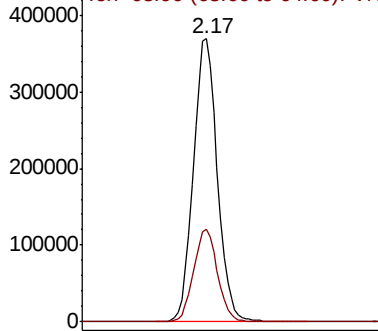
62 100

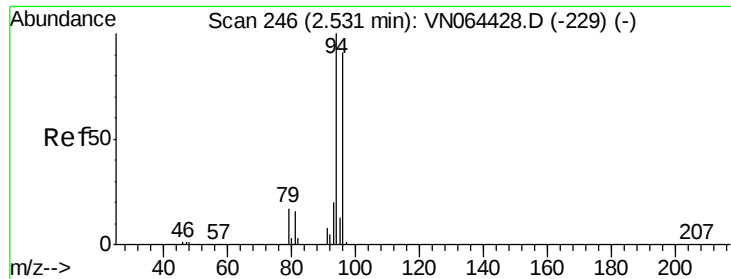
64 32.6 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 118.986 ug/l

RT: 2.52 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 346202

Ion Ratio Lower Upper

94 100

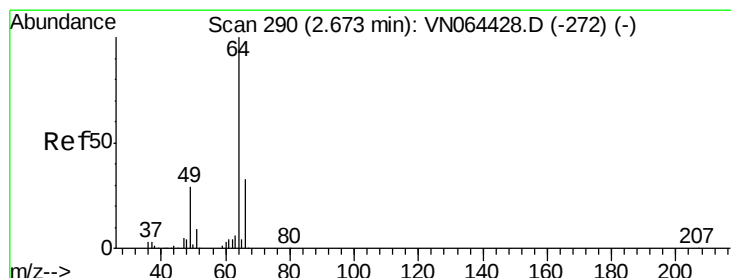
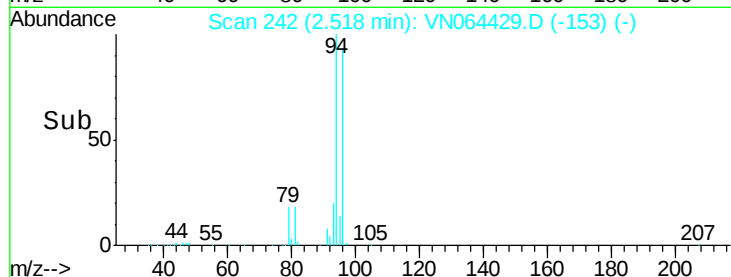
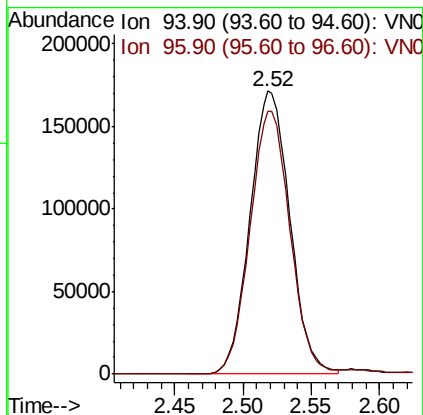
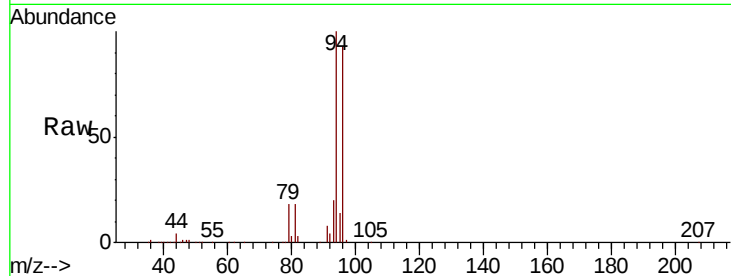
96 93.1 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 125.683 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064429.D

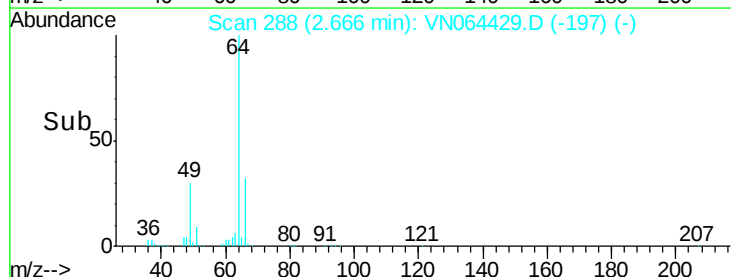
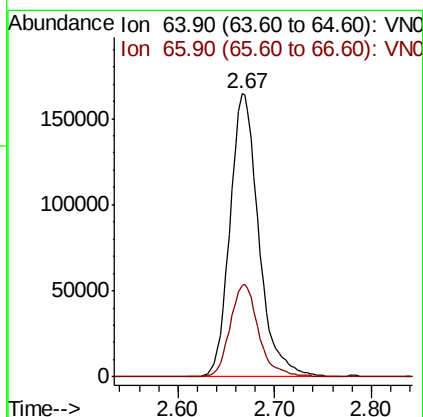
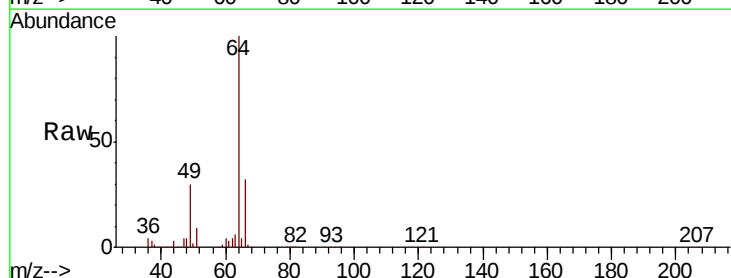
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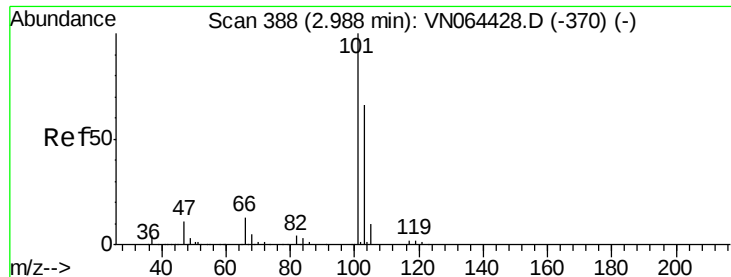
Tgt Ion: 64 Resp: 340390

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1





#7

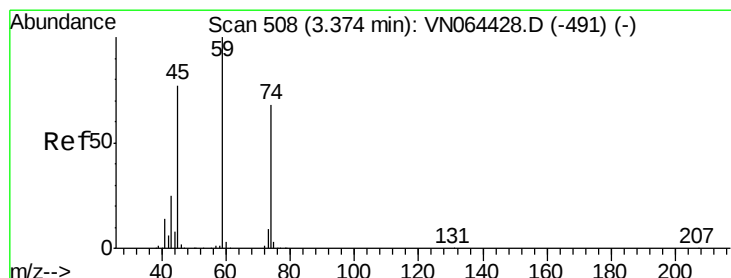
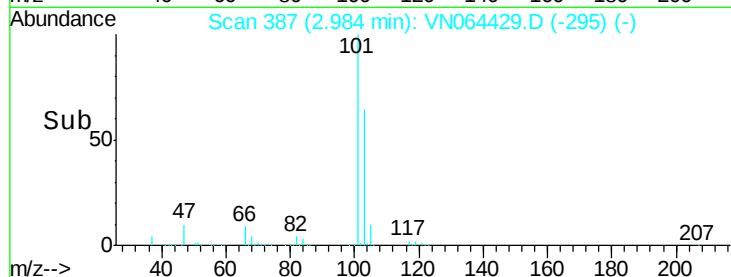
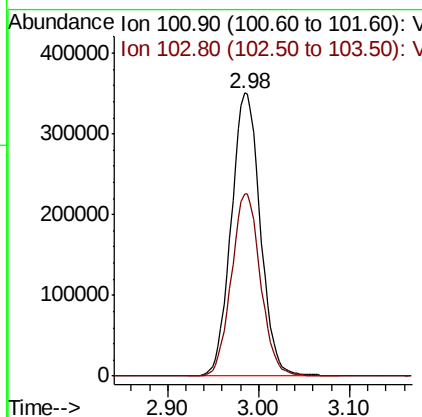
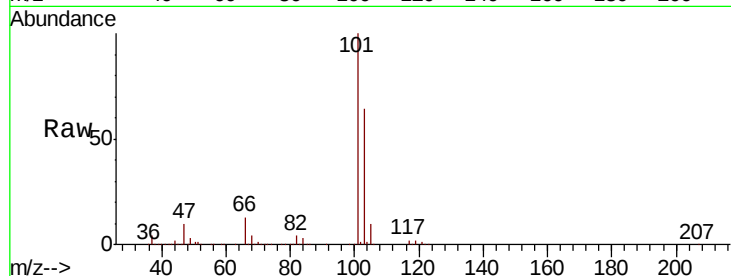
Trichlorofluoromethane
Concen: 107.219 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

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VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.4	78.6

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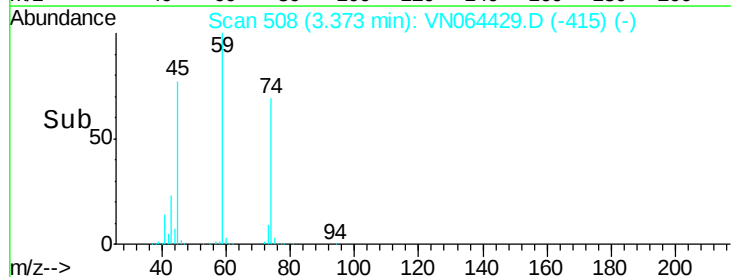
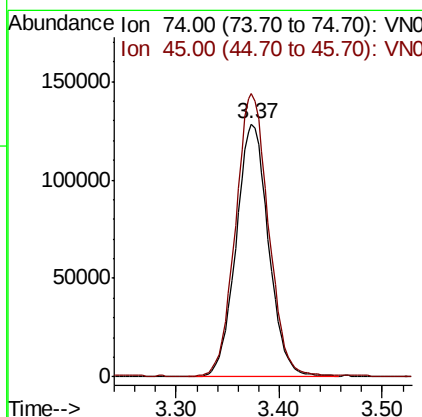
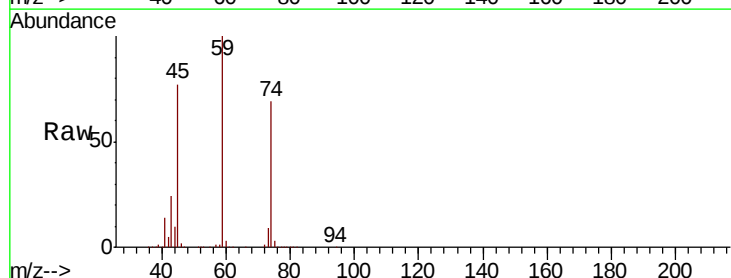
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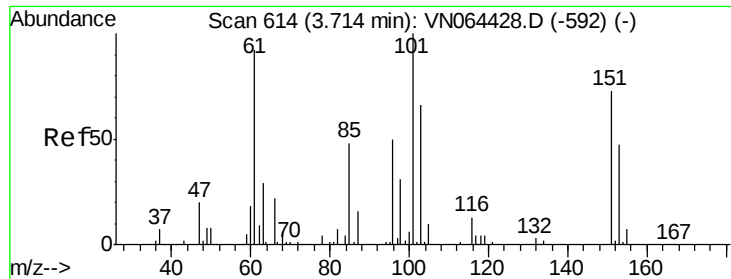


#8

Diethyl Ether
Concen: 120.180 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.0	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.137 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

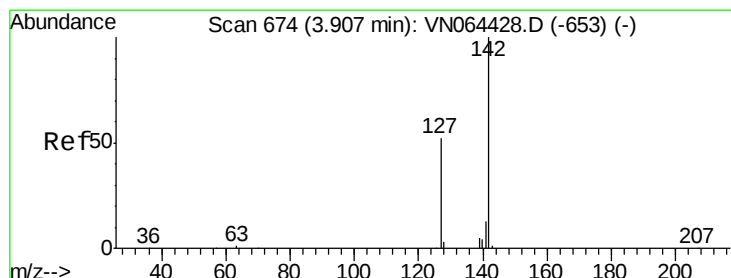
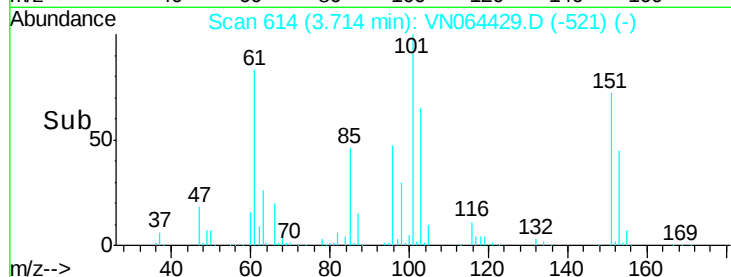
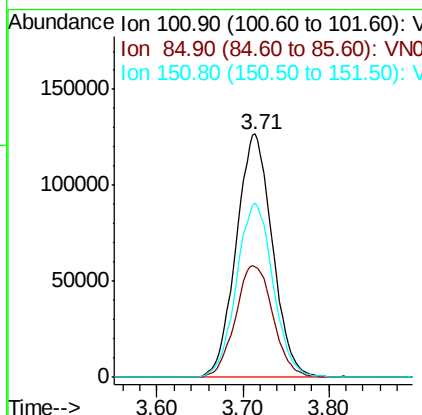
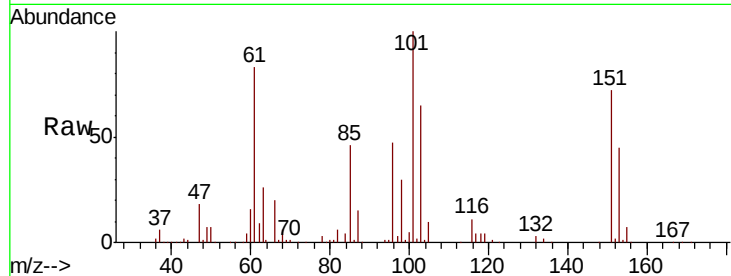
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	371762
Ion Ratio	Lower	Upper	
101	100		
85	47.7	38.6	57.8
151	72.4	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 102.794 ug/l

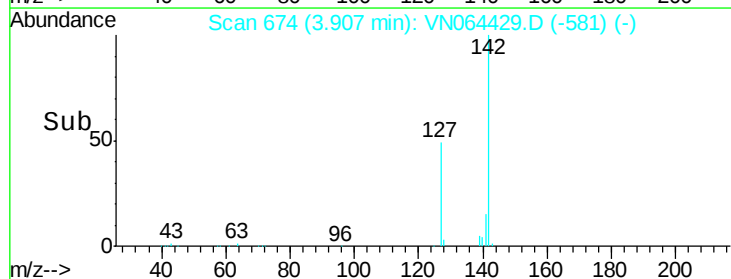
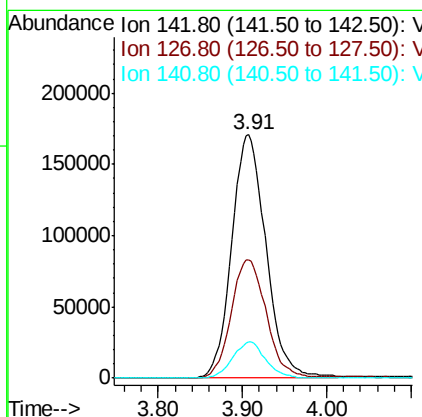
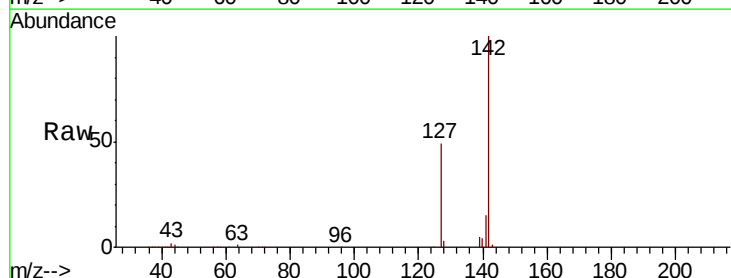
RT: 3.91 min Scan# 674

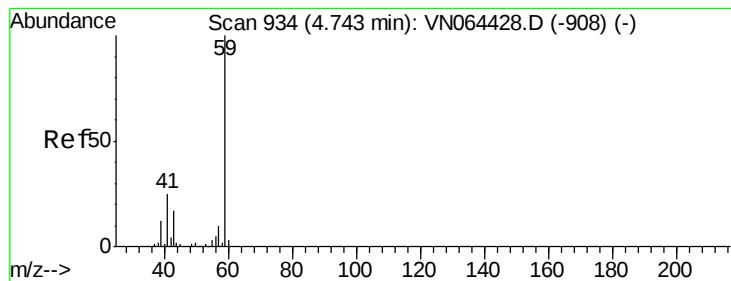
Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion:	142	Resp:	483514
Ion Ratio	Lower	Upper	
142	100		
127	50.1	41.8	62.8
141	14.6	11.4	17.2





#11

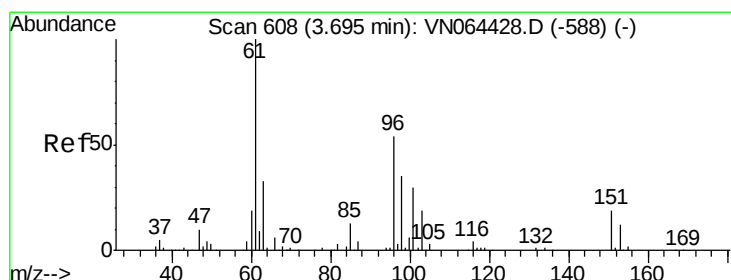
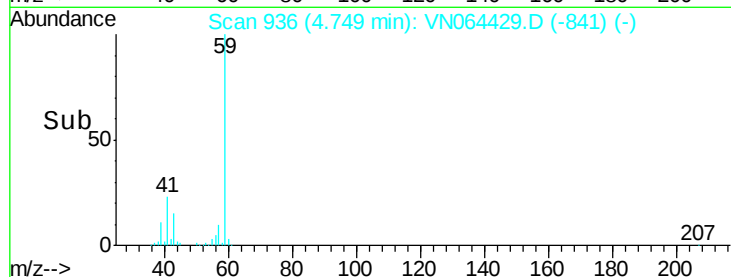
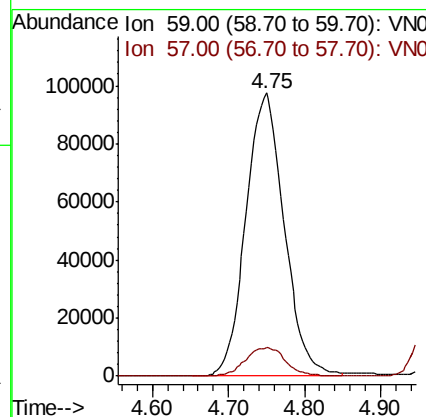
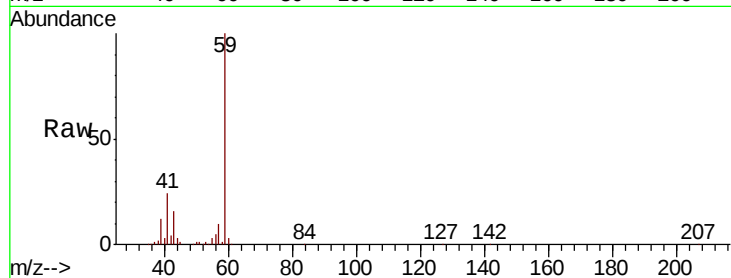
Tert butyl alcohol
Concen: 433.780 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

Manual Integrations
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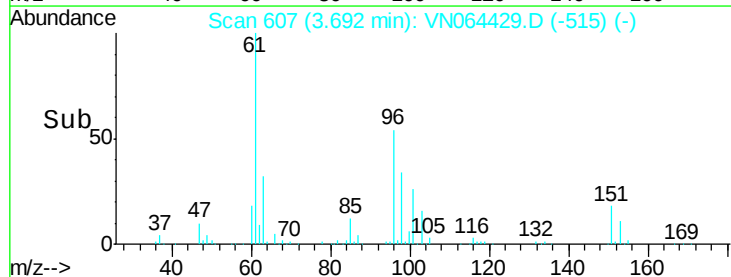
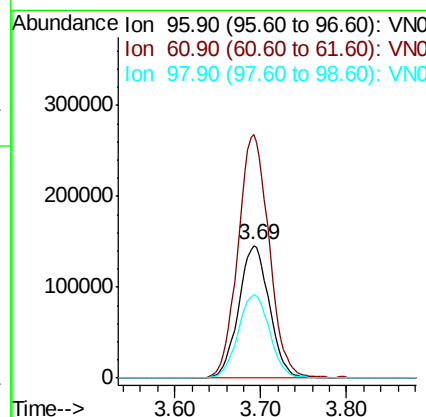
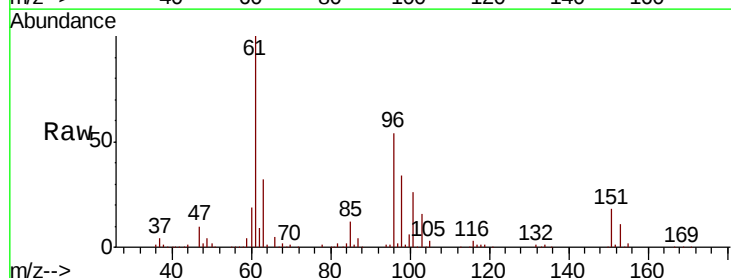
MMDadoda
11/5/2020 2:19:19 PM

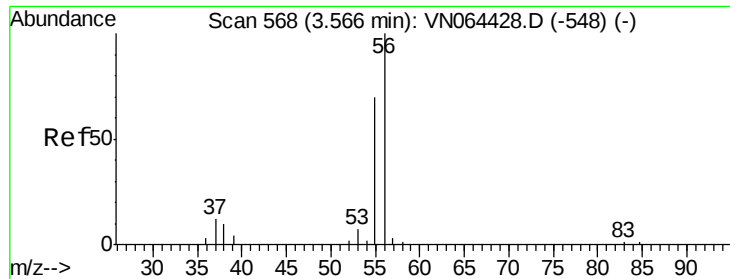


#12

1,1-Dichloroethene
Concen: 106.982 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.0	149.5	224.3
98	63.0	52.4	78.6





#13

Acrolein

Concen: 927.148 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 221575

Ion Ratio Lower Upper

56 100

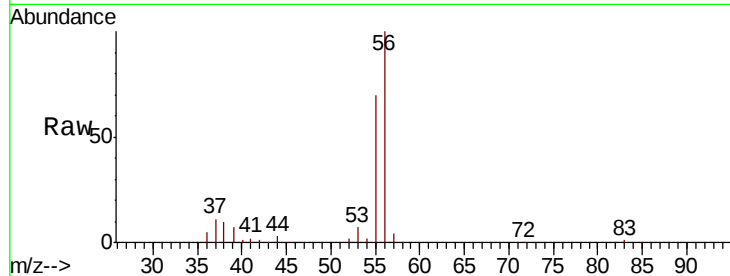
55 70.1 55.9 83.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

100000

80000

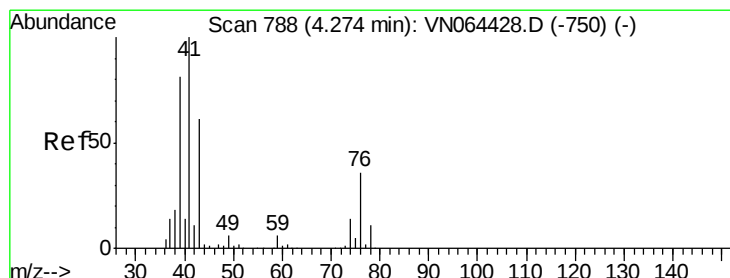
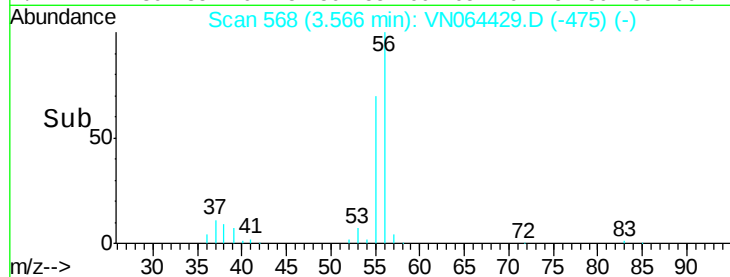
60000

40000

20000

0

Time--> 3.45 3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 104.260 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

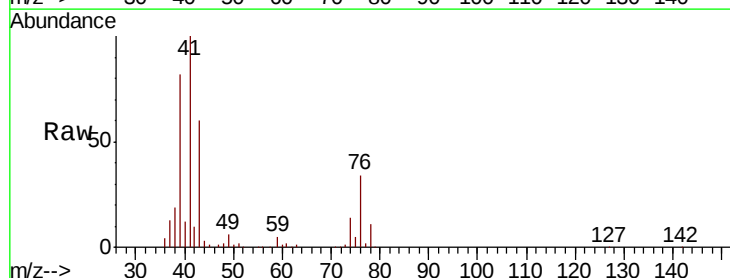
Tgt Ion: 41 Resp: 723030

Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.8

76 31.4 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.27

300000

250000

200000

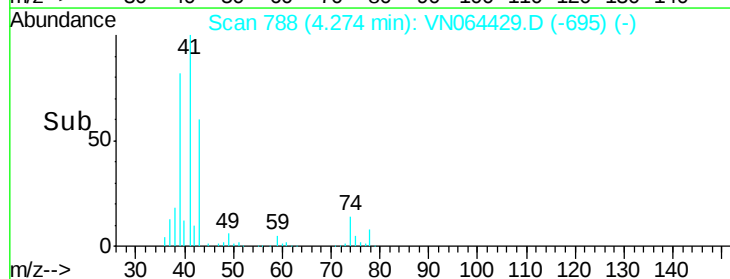
150000

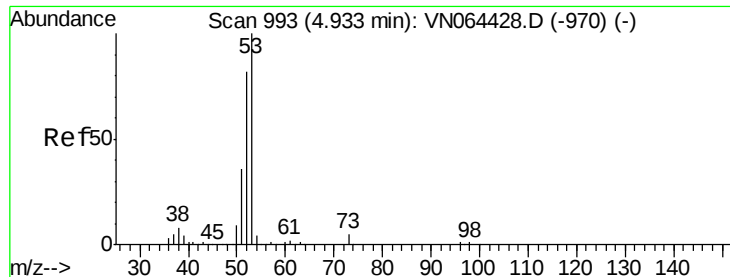
100000

50000

0

Time--> 4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 562.382 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 53 Resp: 1001790

Ion Ratio Lower Upper

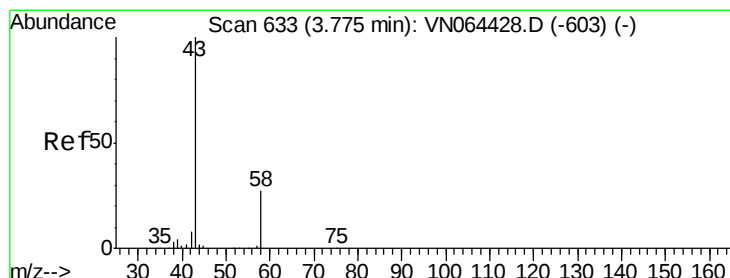
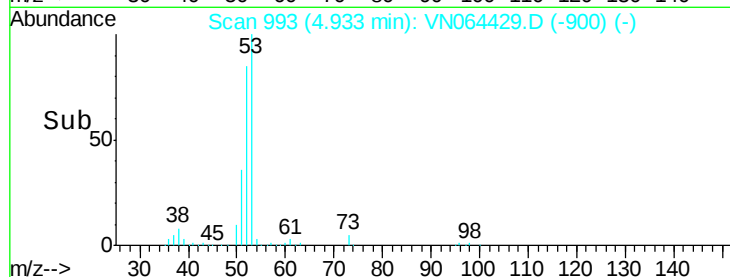
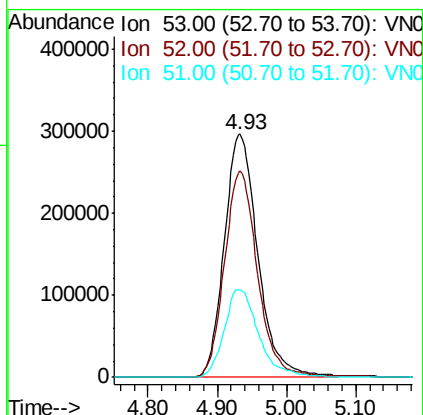
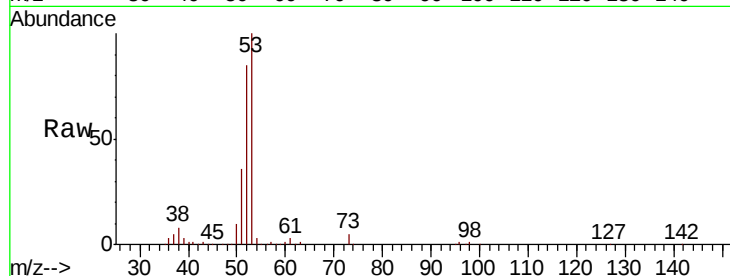
53 100

52 83.4 65.6 98.4

51 37.4 29.9 44.9

Manual Integrations
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#16

Acetone

Concen: 523.961 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064429.D

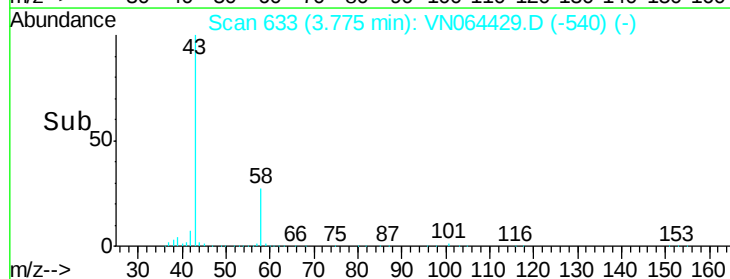
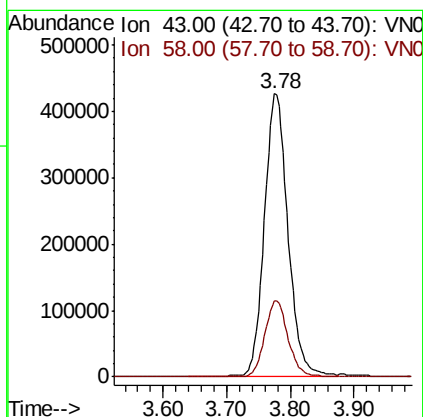
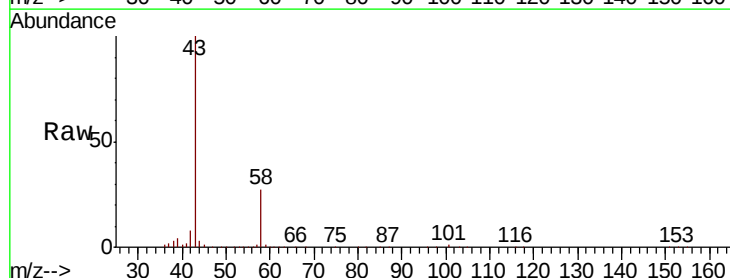
Acq: 4 Nov 2020 11:24

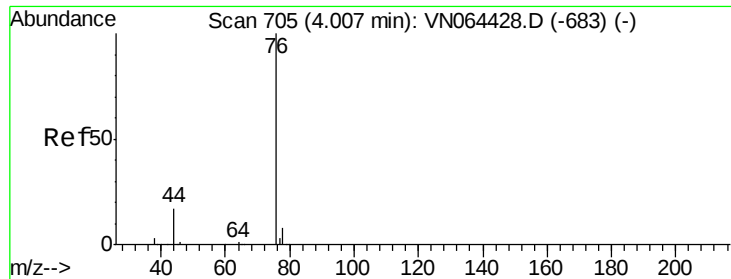
Tgt Ion: 43 Resp: 1107484

Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0





#17

Carbon Disulfide

Concen: 107.383 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1090399

Ion Ratio Lower Upper

76 100

78 9.2

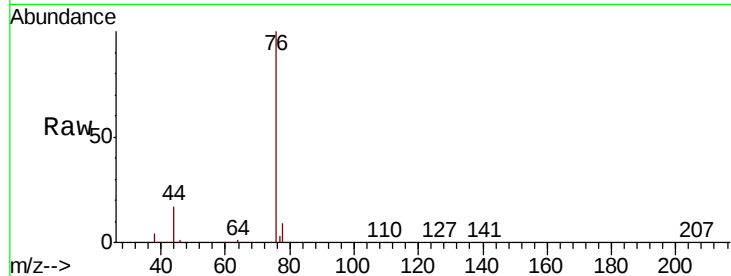
6.8 10.2

Manual Integrations

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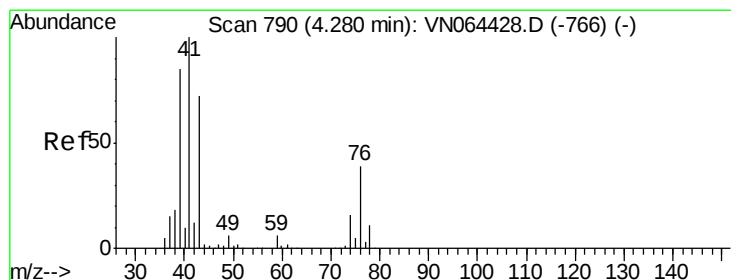
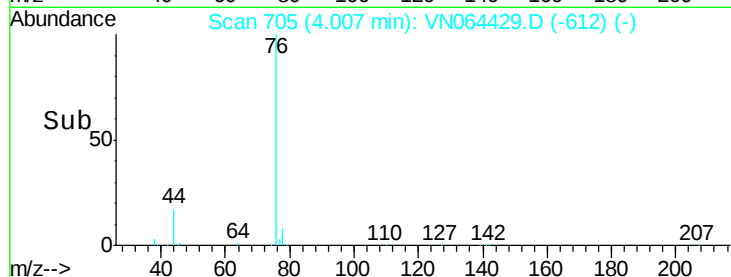
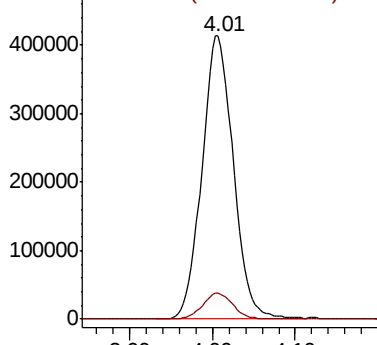
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 103.588 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

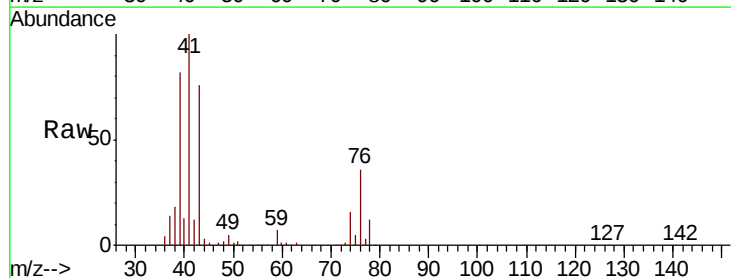
Tgt Ion: 43 Resp: 439982

Ion Ratio Lower Upper

43 100

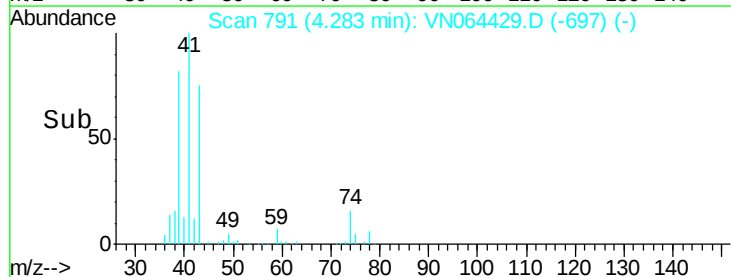
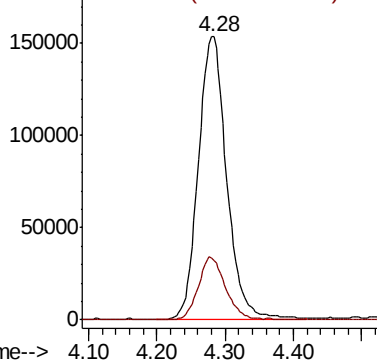
74 21.4

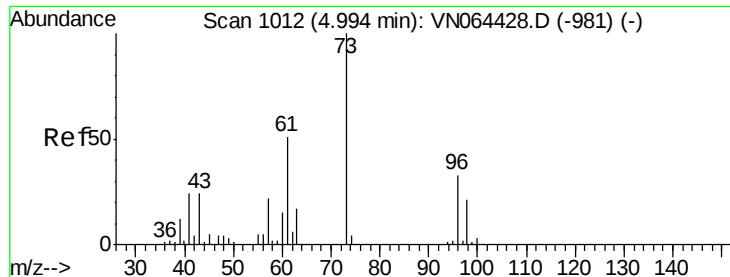
17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





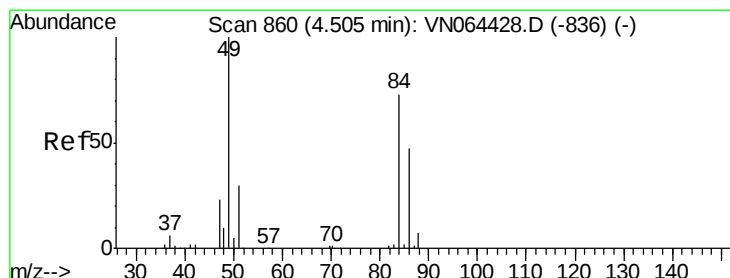
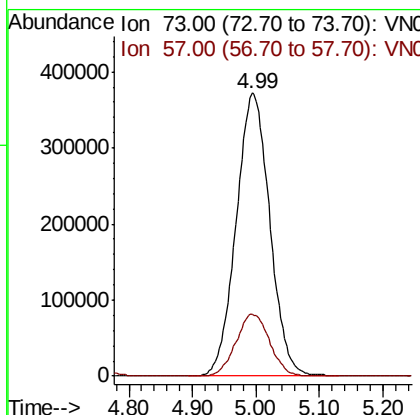
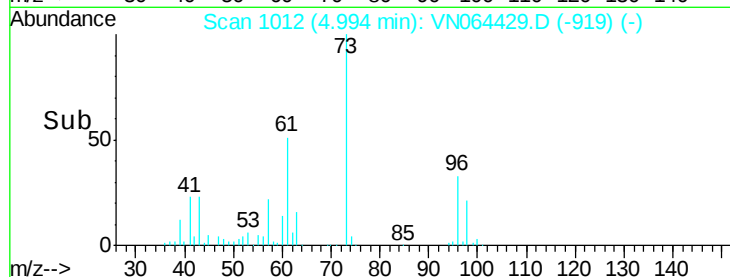
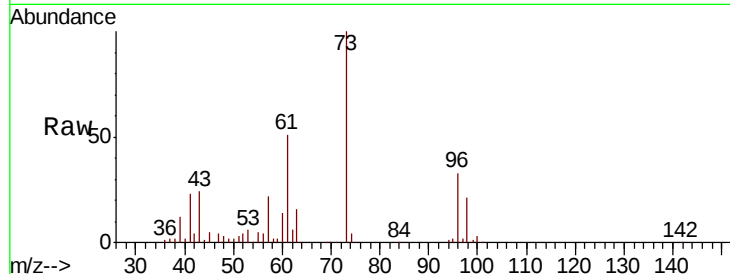
#19
Methvl tert-butvl Ether
Concen: 105.291 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1365312
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

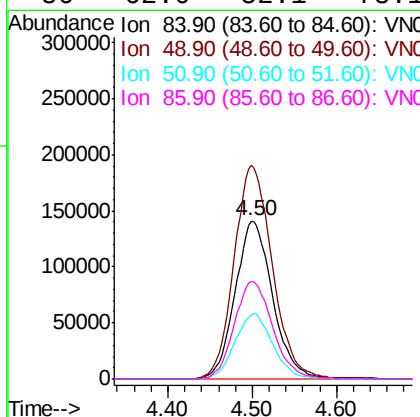
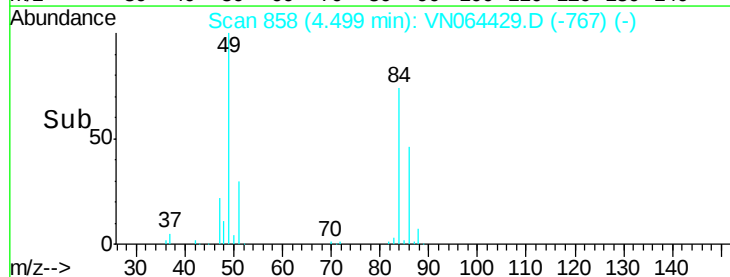
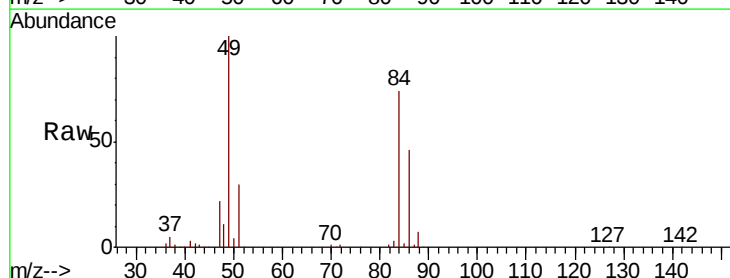
Manual Integrations
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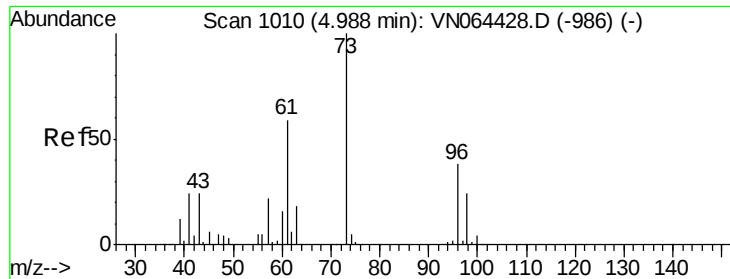
MMDadoda
11/5/2020 2:19:19 PM



#20
Methylene Chloride
Concen: 107.081 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 84 Resp: 435192
Ion Ratio Lower Upper
84 100
49 135.5 110.1 165.1
51 40.6 33.6 50.4
86 62.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 108.411 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 415576

Ion Ratio Lower Upper

96 100

61 156.1 122.4 183.6

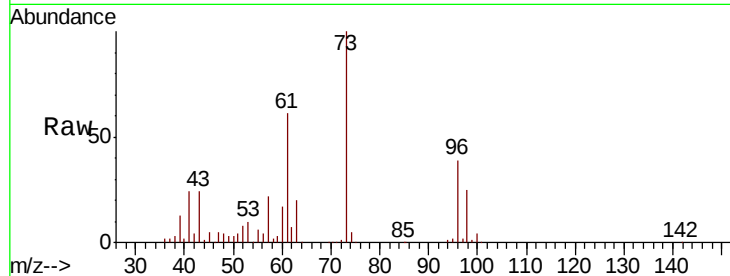
98 63.7 50.4 75.6

Manual Integrations

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MMDadoda

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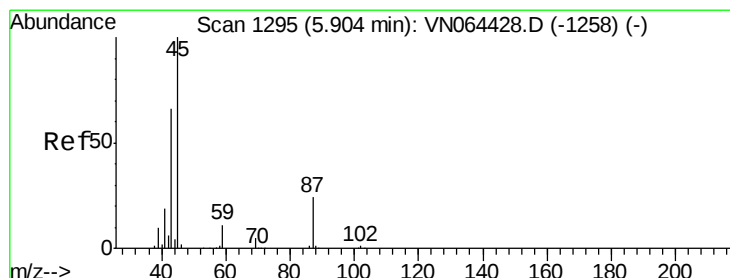
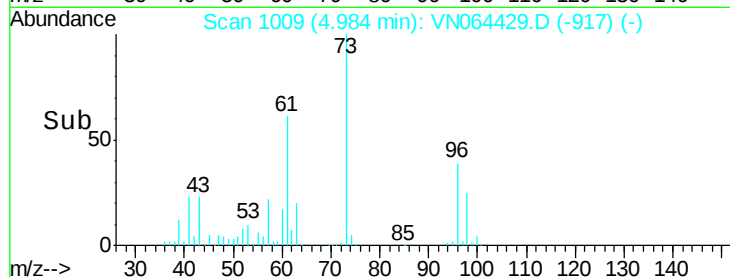
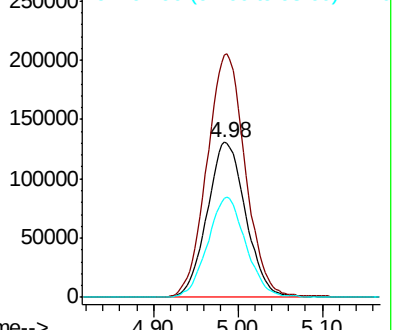


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 117.101 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion: 45 Resp: 1617229

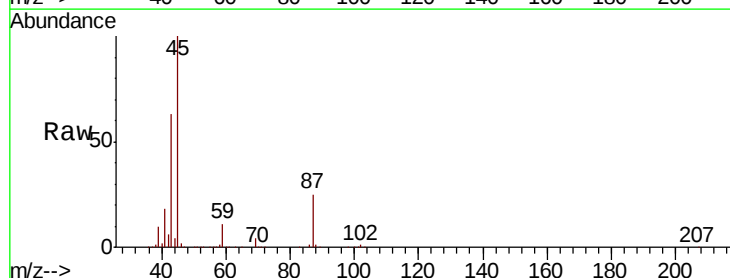
Ion Ratio Lower Upper

45 100

43 62.2 53.2 79.8

87 24.8 19.9 29.9

59 10.7 8.6 13.0



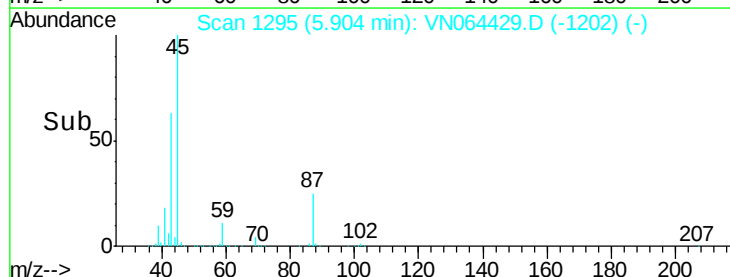
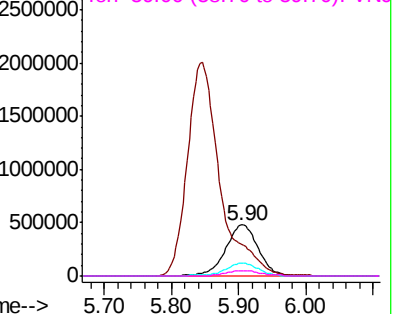
Abundance

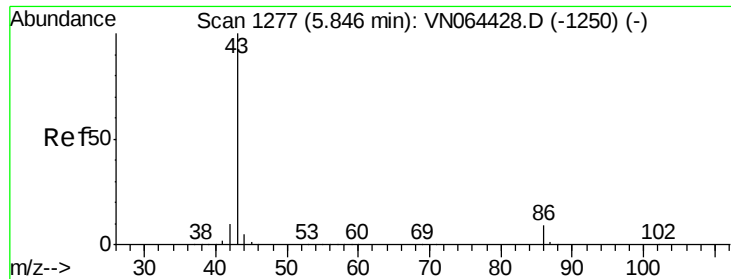
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





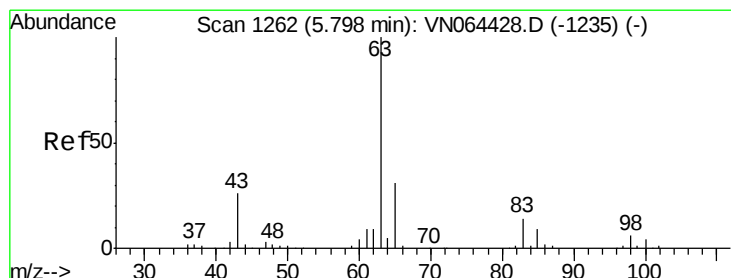
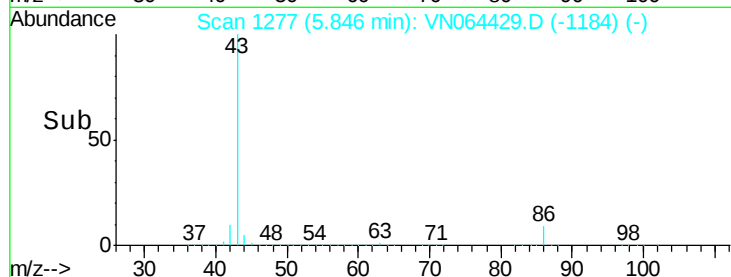
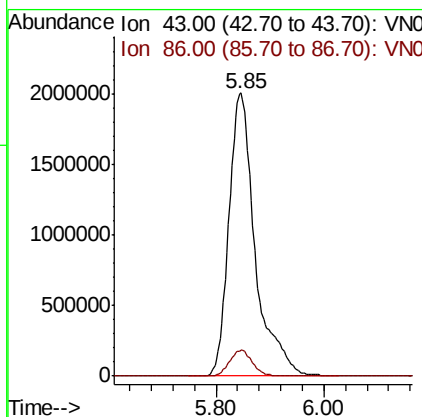
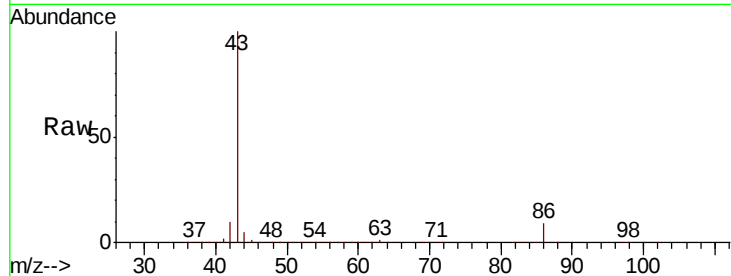
#23
 Vinyl Acetate
 Concen: 589.177 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 6807317
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.8 10.2

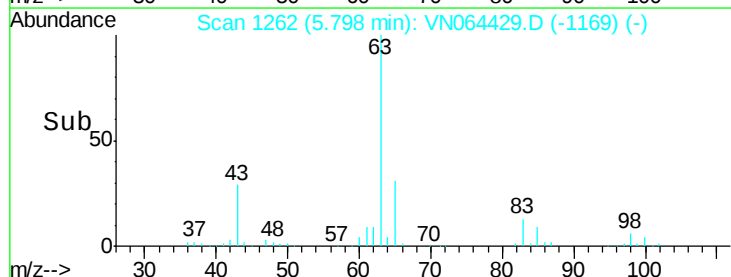
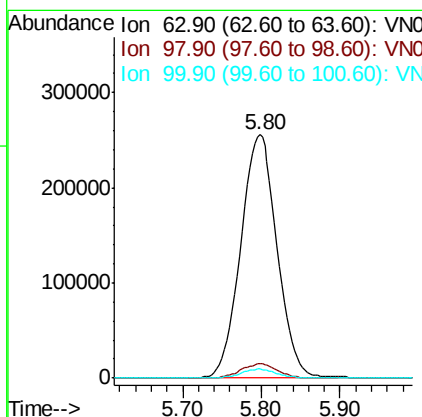
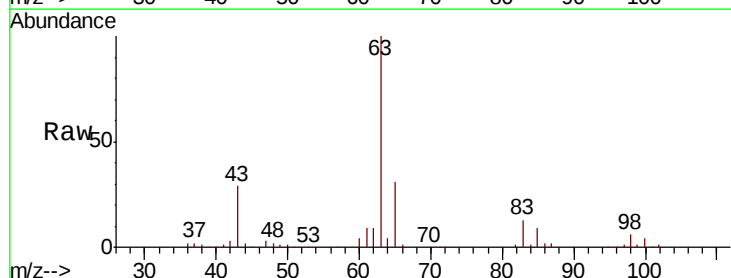
Manual Integrations
 APPROVED

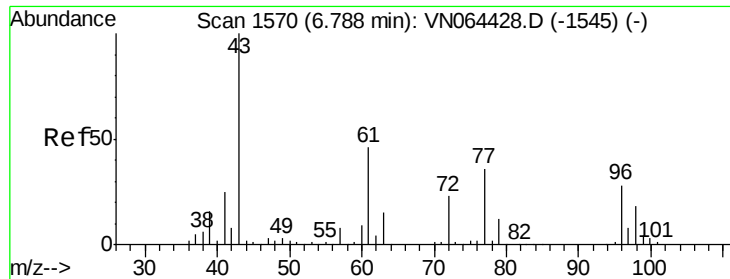
MMDadoda
 11/5/2020 2:19:19 PM



#24
 1,1-Dichloroethane
 Concen: 108.554 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion: 63 Resp: 831492
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.7 1.8 5.3





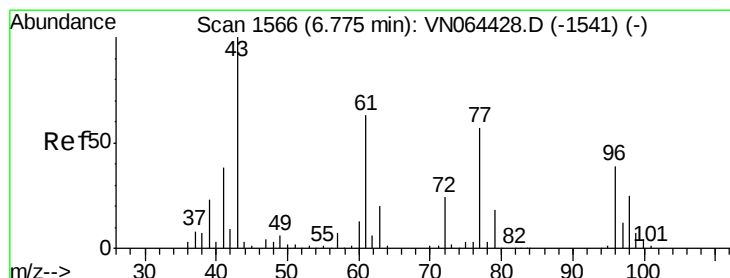
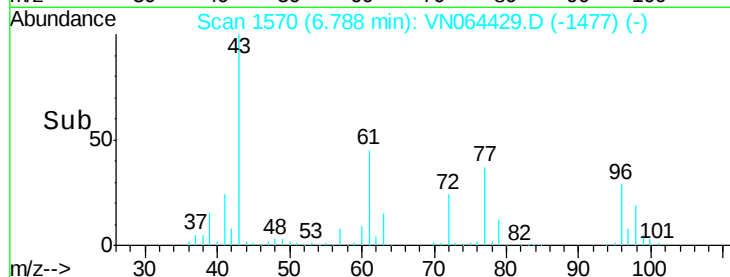
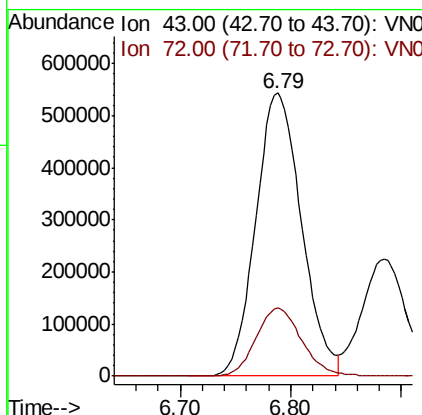
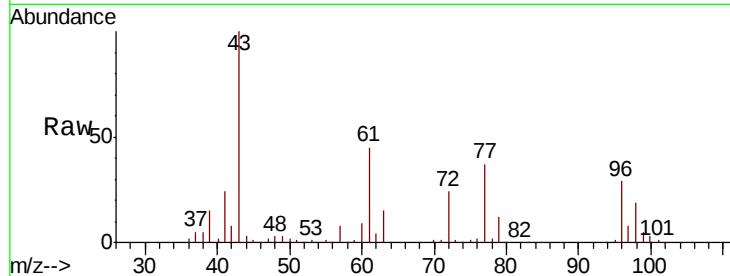
#25
2-Butanone
Concen: 543.377 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1557616
Ion Ratio Lower Upper
43 100
72 24.2 18.5 27.7

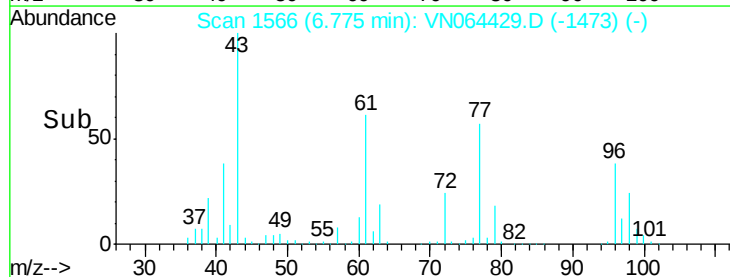
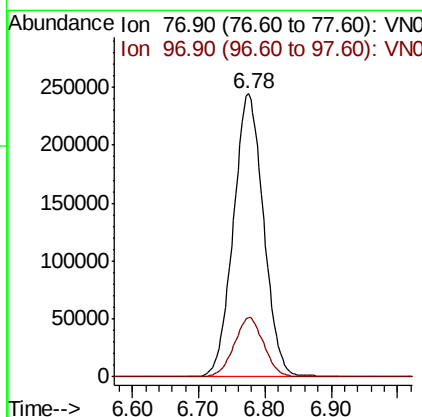
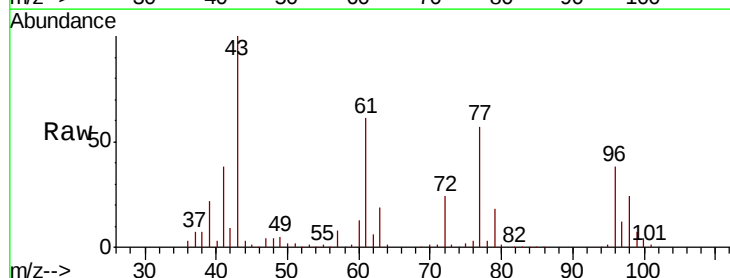
Manual Integrations
APPROVED

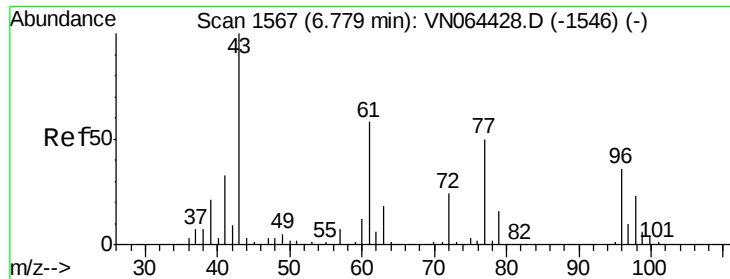
MMDadoda
11/5/2020 2:19:19 PM



#26
2,2-Dichloropropane
Concen: 104.563 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 77 Resp: 772530
Ion Ratio Lower Upper
77 100
97 20.5 10.2 30.6





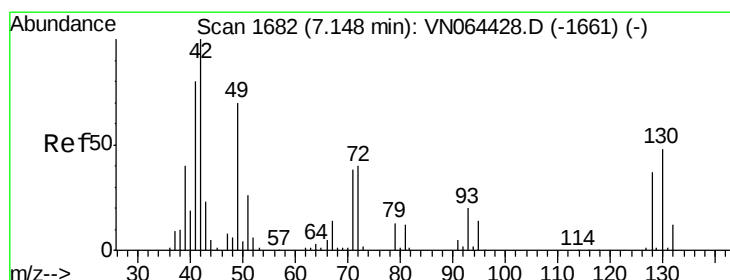
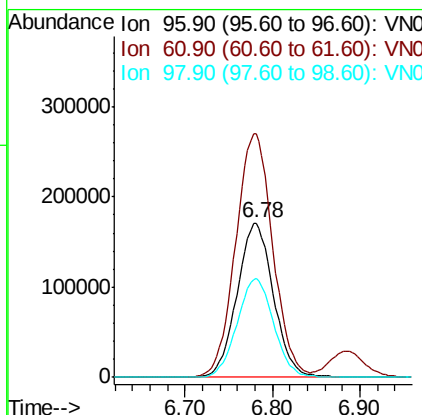
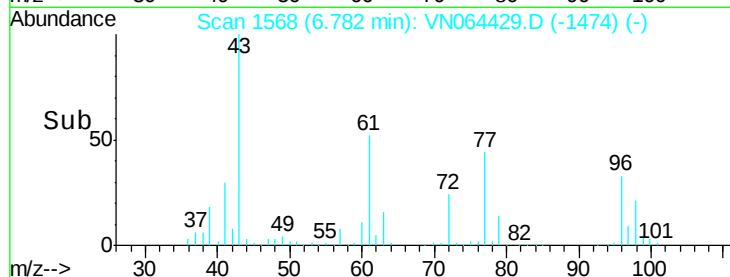
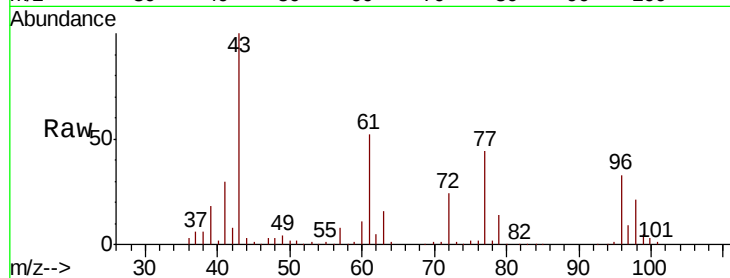
#27
 cis-1,2-Dichloroethene
 Concen: 112.477 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	492355		
61	161.4	0.0	329.6	
98	64.3	0.0	131.2	

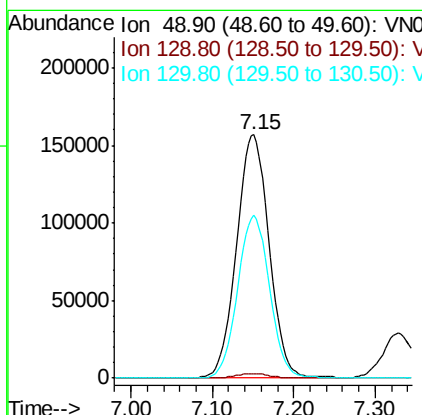
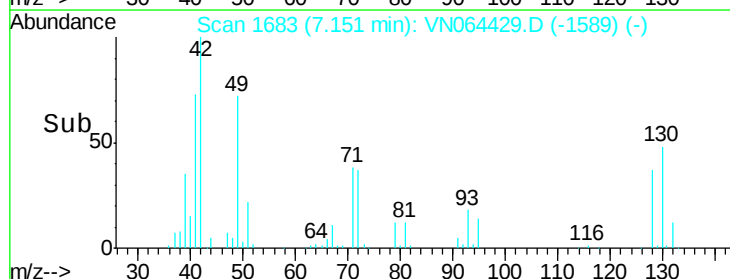
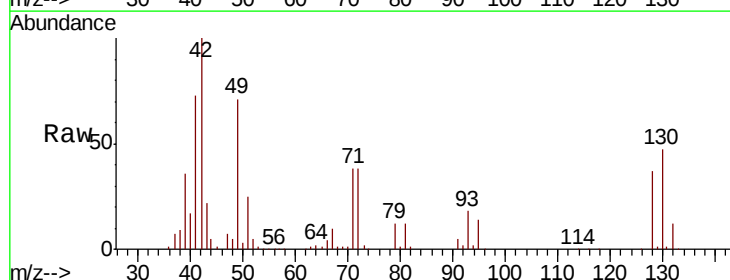
Manual Integrations
 APPROVED

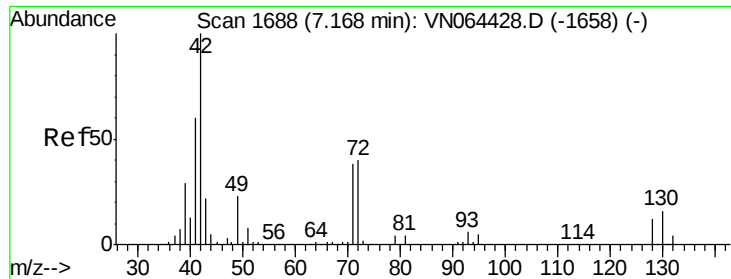
MMDadoda
 11/5/2020 2:19:19 PM



#28
 Bromochloromethane
 Concen: 121.675 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	433076		
129	1.8	0.0	3.6	
130	65.6	54.2	81.4	





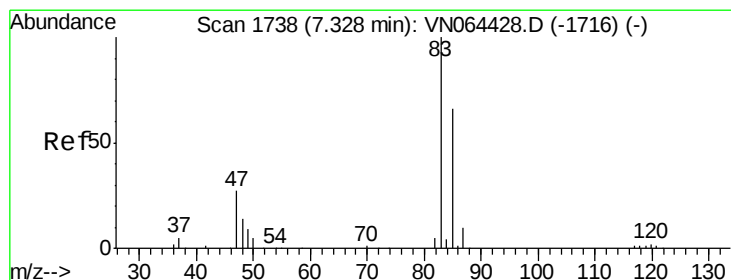
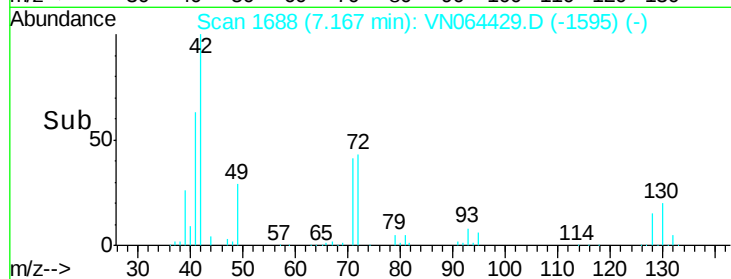
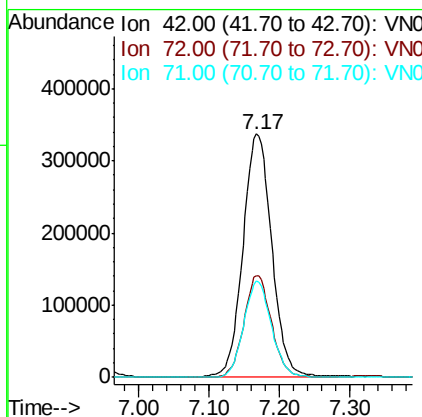
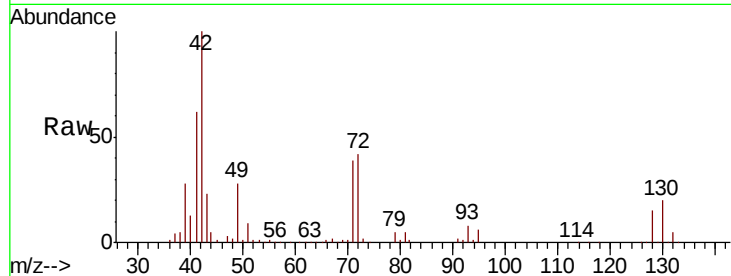
#29
Tetrahydrofuran
Concen: 522.864 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.7	47.5
71	38.0	29.8	44.6

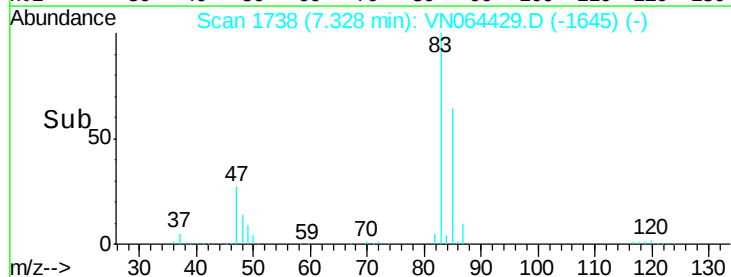
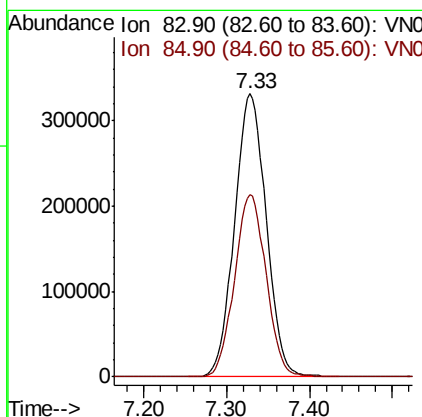
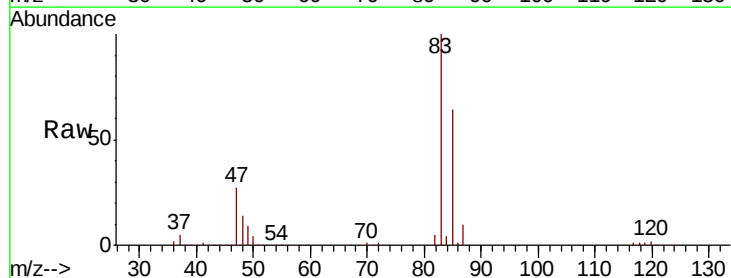
Manual Integrations
APPROVED

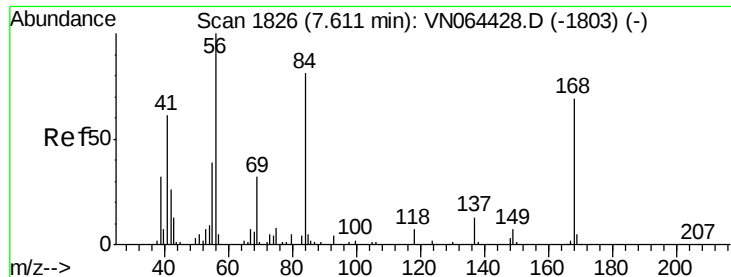
MMDadoda
11/5/2020 2:19:19 PM



#30
Chloroform
Concen: 107.657 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





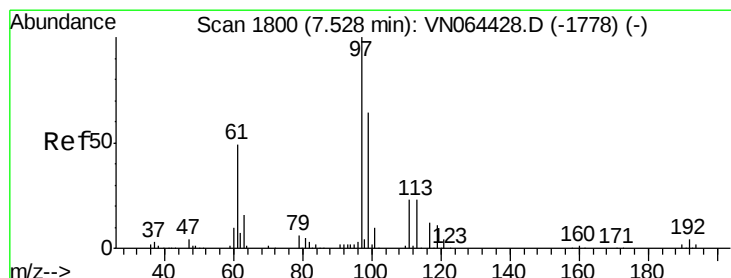
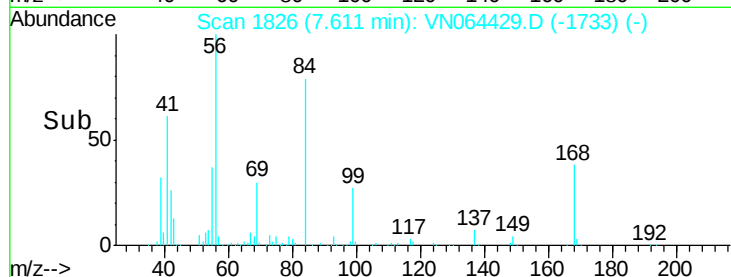
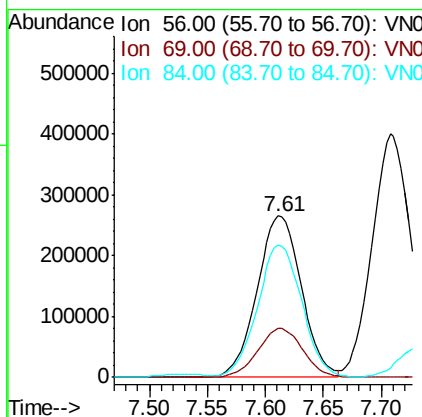
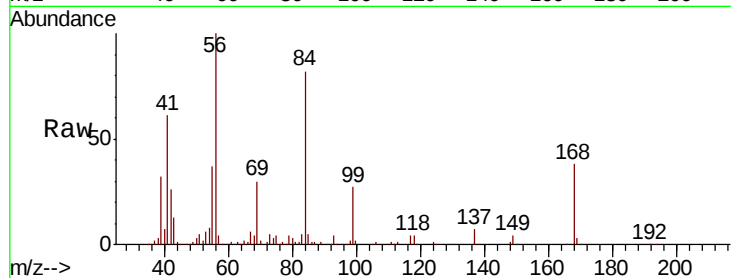
#31
Cyclohexane
Concen: 105.228 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.6	38.4
84	80.0	63.0	94.6

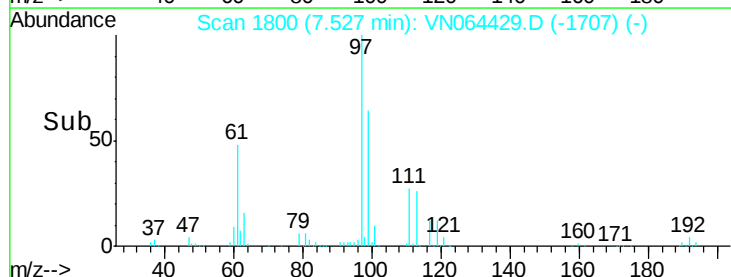
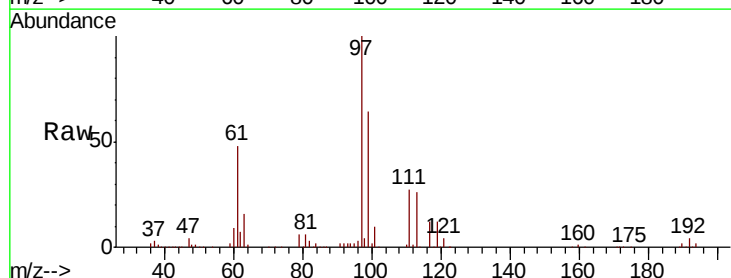
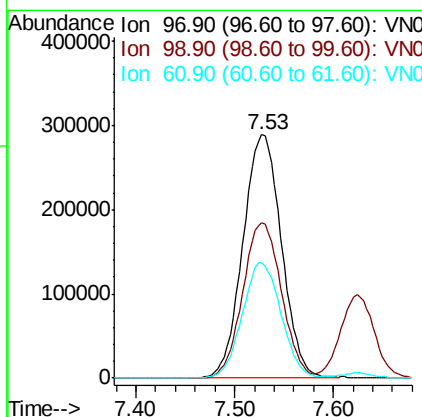
Manual Integrations
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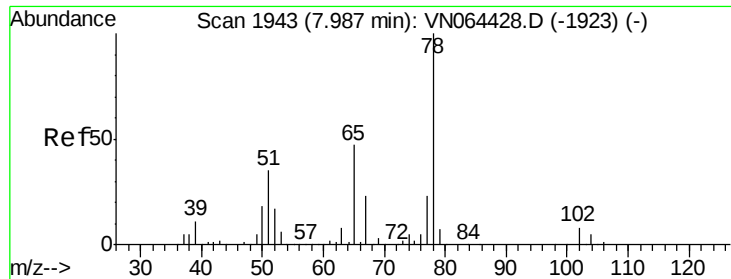
MMDadoda
11/5/2020 2:19:19 PM



#32
1,1,1-Trichloroethane
Concen: 101.227 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	47.6	39.1	58.7





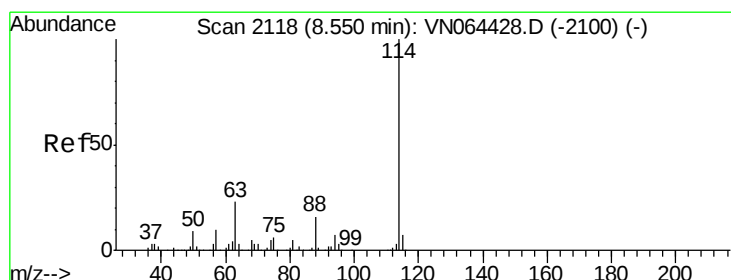
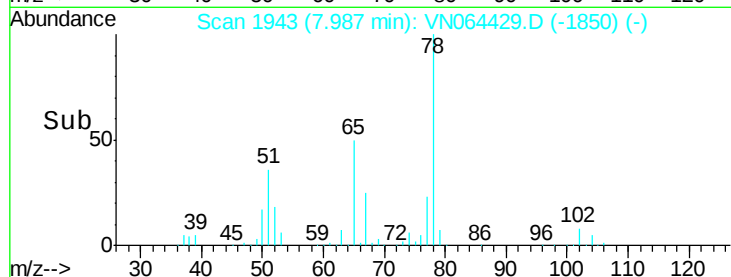
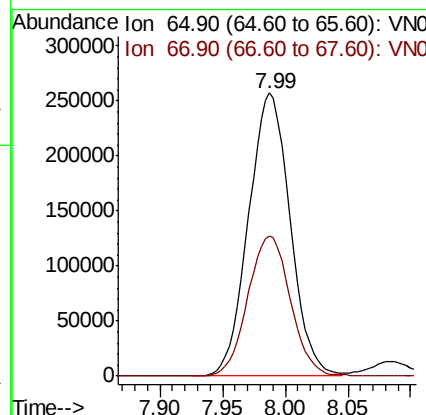
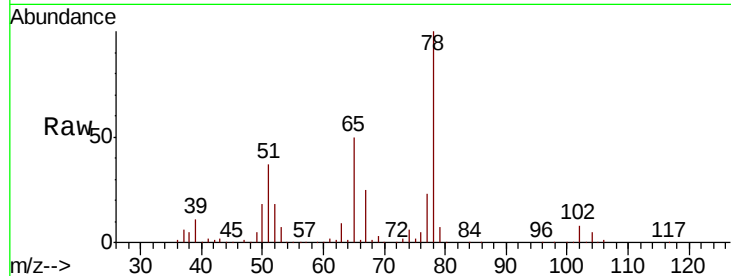
#33
 1,2-Dichloroethane-d4
 Concen: 104.548 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	593677		
67	50.6	0.0	101.6	

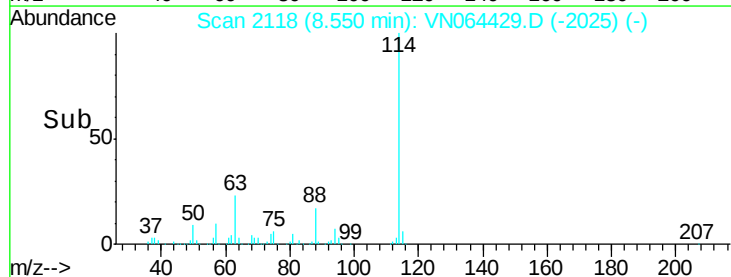
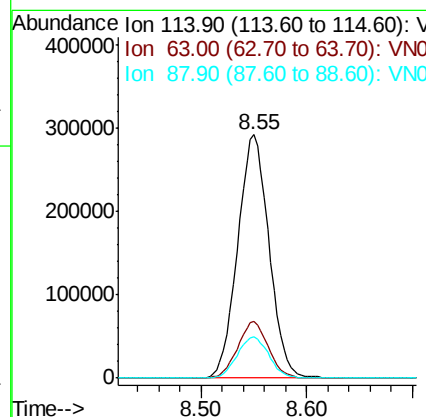
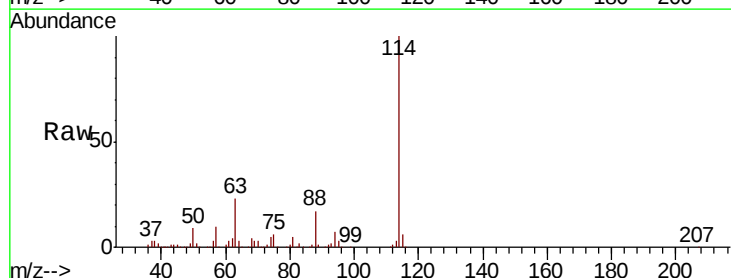
Manual Integrations
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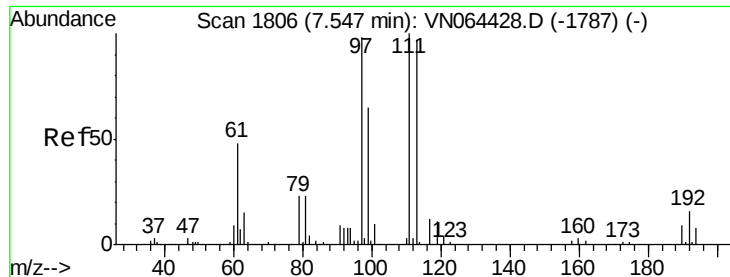
MMDadoda
 11/5/2020 2:19:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	602472		
63	23.3	0.0	45.6	
88	16.8	0.0	32.8	





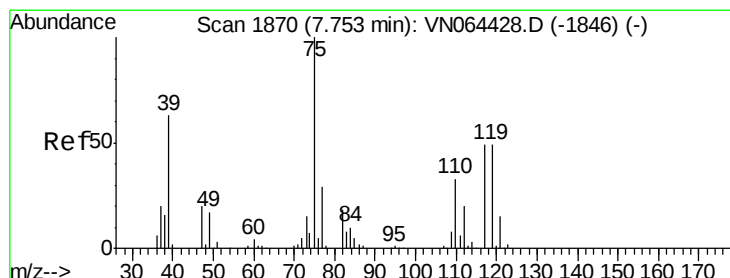
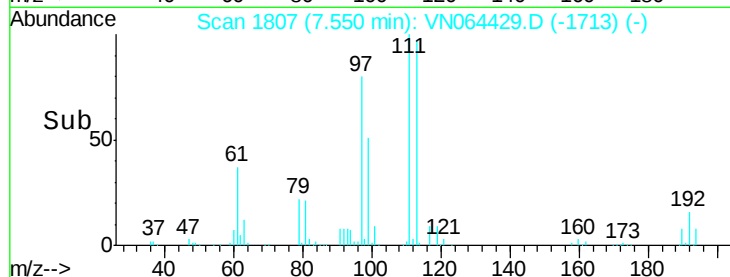
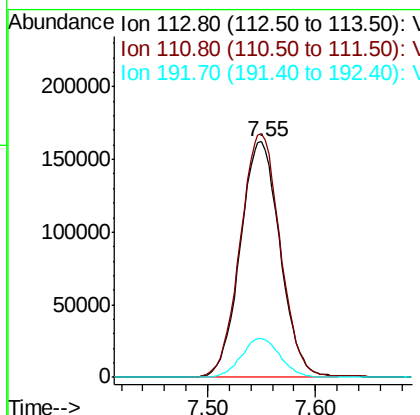
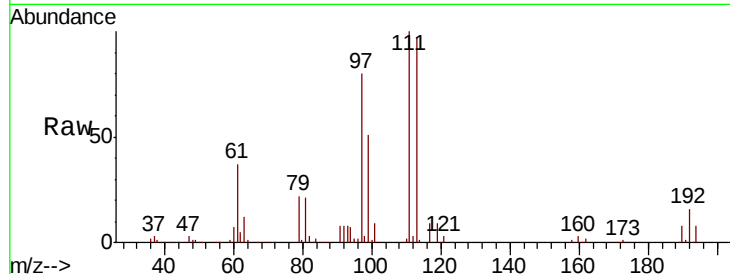
#35
 Dibromofluoromethane
 Concen: 103.575 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.3	81.1	121.7	
192	16.2	12.8	19.2	

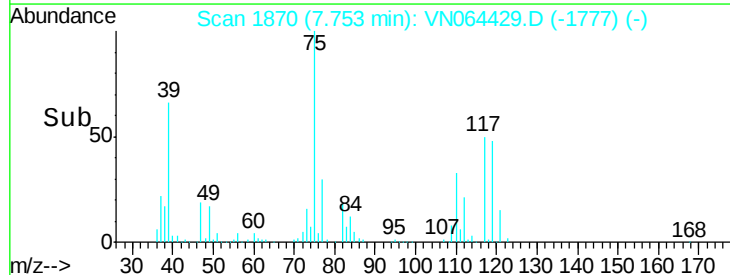
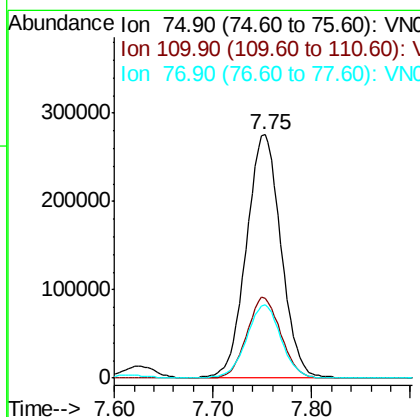
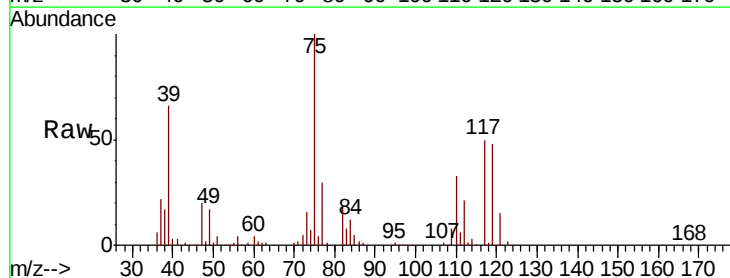
Manual Integrations
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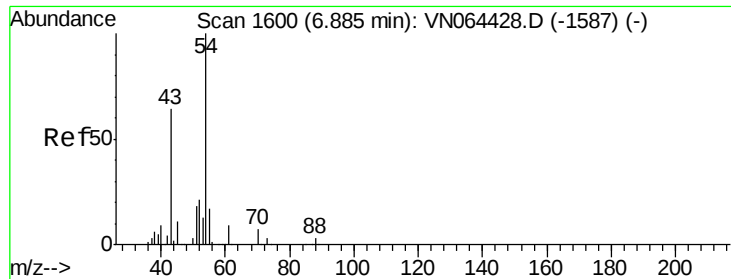
MMDadoda
 11/5/2020 2:19:19 PM



#36
 1,1-Dichloropropene
 Concen: 107.157 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.5	16.0	48.0	
77	30.3	24.0	36.0	





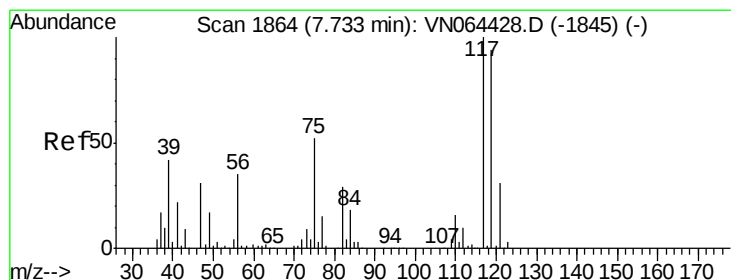
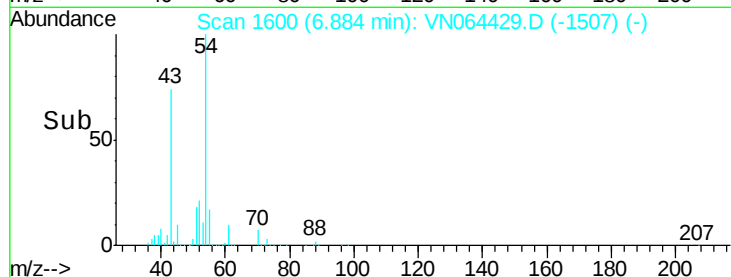
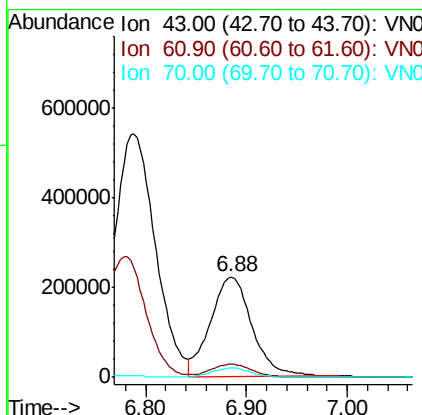
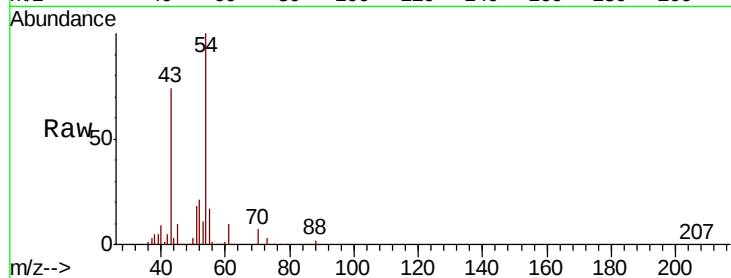
#37
Ethyl Acetate
Concen: 103.051 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.0	15.0
70	9.0	7.1	10.7

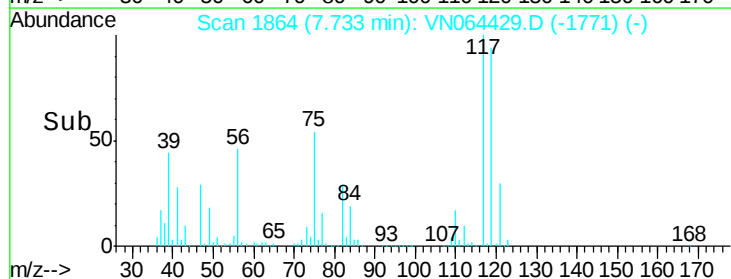
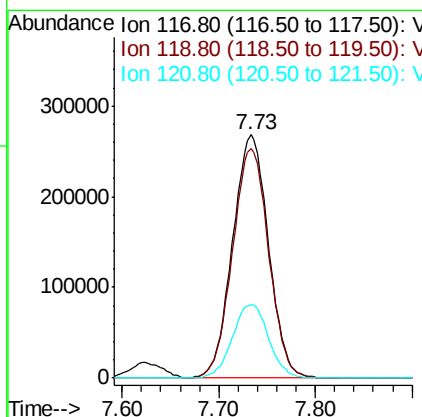
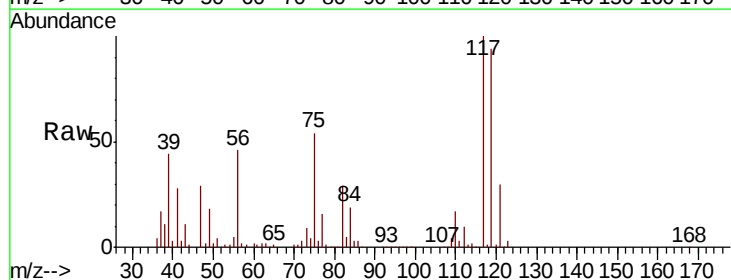
Manual Integrations
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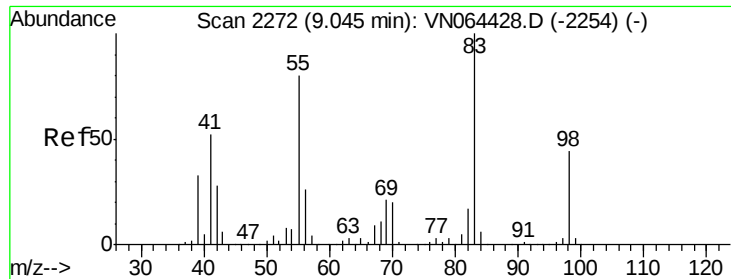
MMDadoda
11/5/2020 2:19:19 PM



#38
Carbon Tetrachloride
Concen: 97.725 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.5	113.3
121	30.2	24.4	36.6





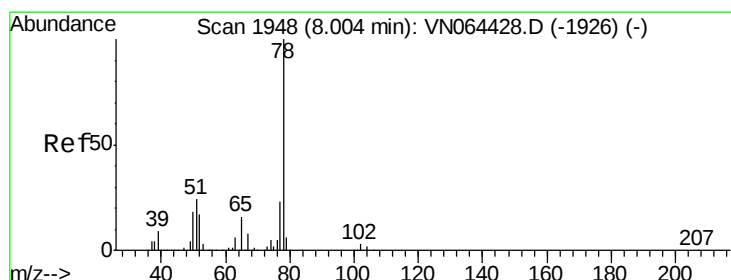
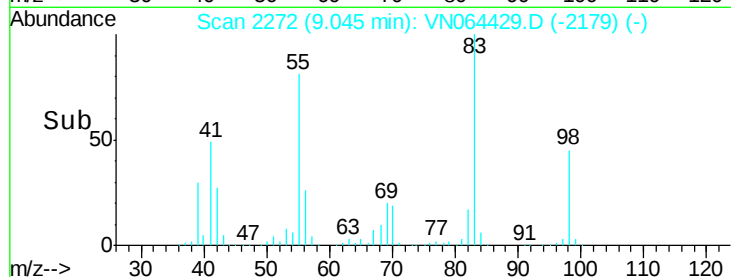
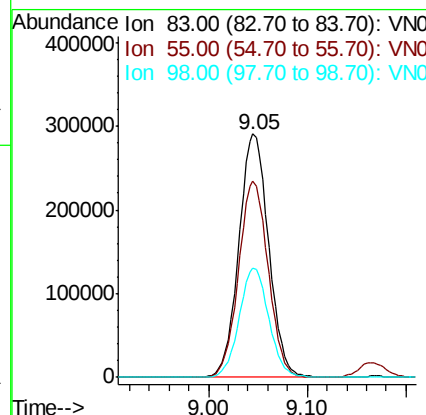
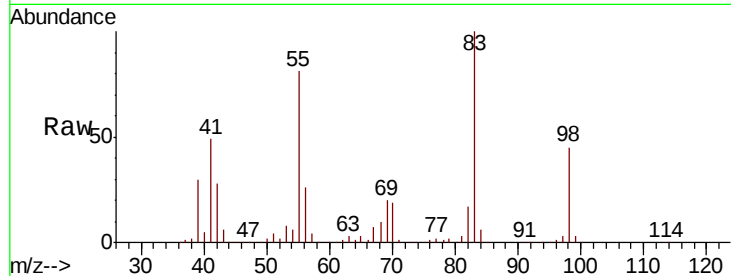
#39
Methvlcvclohexane
Concen: 100.334 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	607889		
55	80.8		63.8	95.6
98	44.8		35.4	53.2

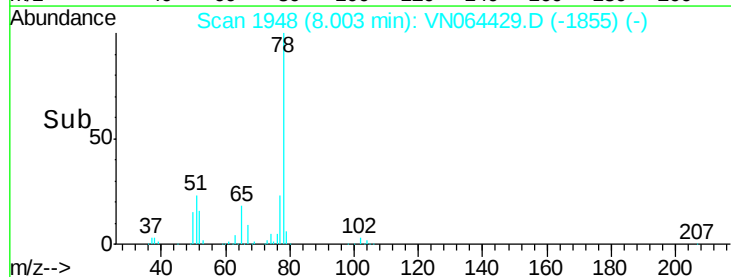
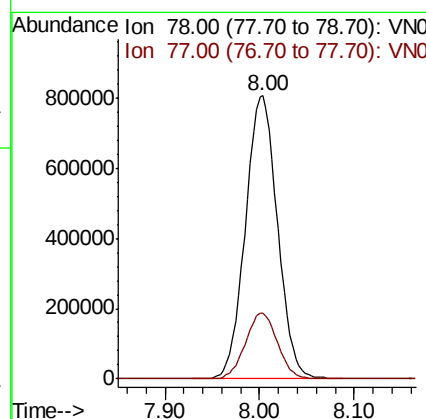
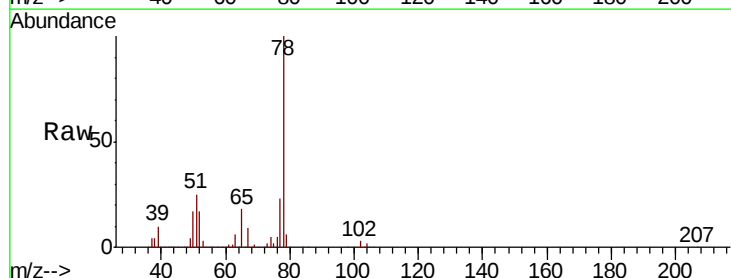
Manual Integrations
APPROVED

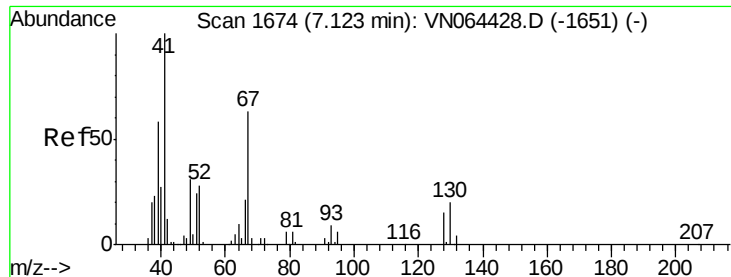
MMDadoda
11/5/2020 2:19:19 PM



#40
Benzene
Concen: 109.002 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1896861		
77	23.2		18.7	28.1





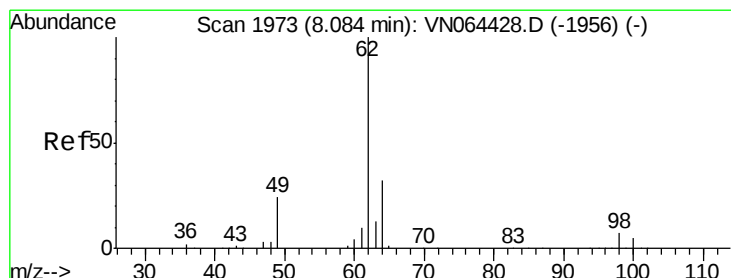
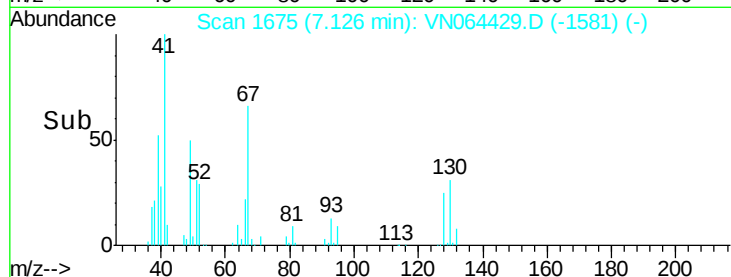
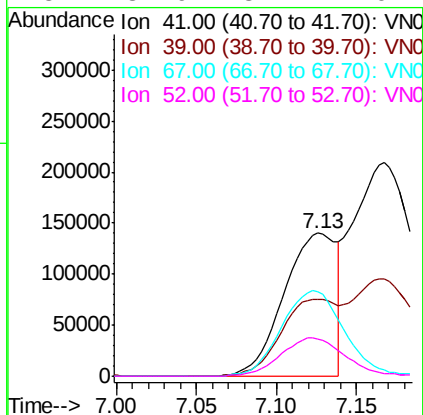
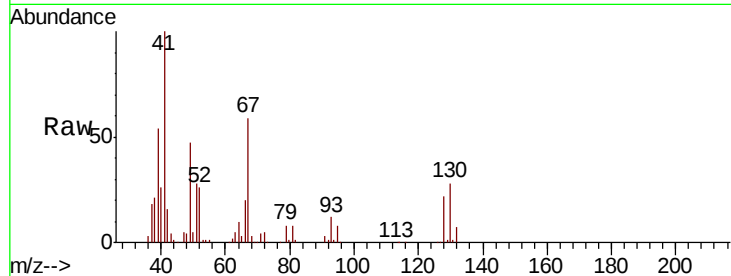
#41
Methacrylonitrile
Concen: 106.313 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	50.0	75.0	
67	72.3	68.3	102.5	
52	32.9	32.7	49.1	

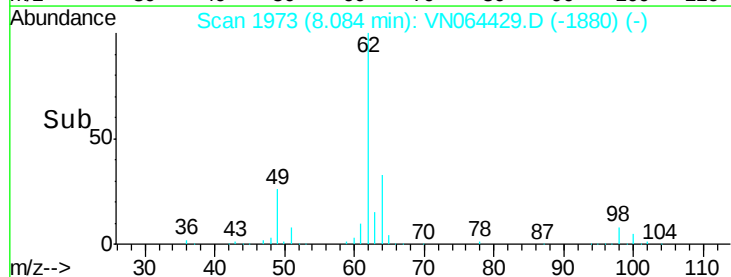
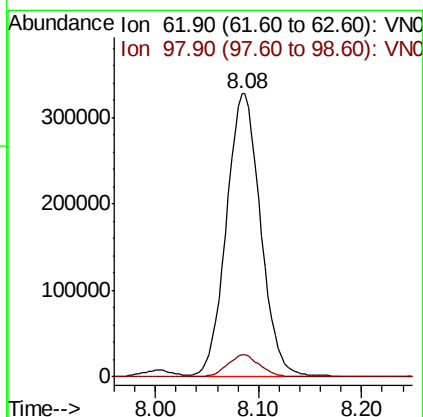
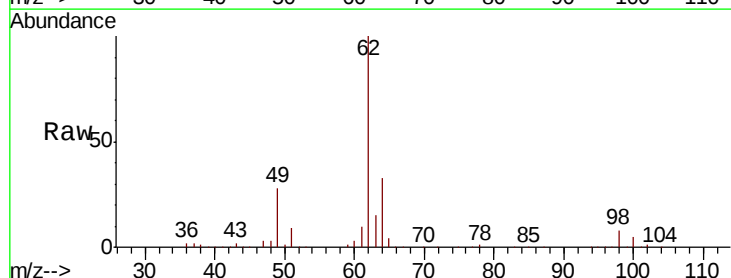
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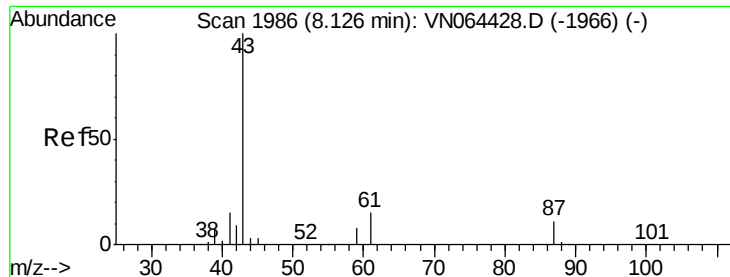
MMDadoda
11/5/2020 2:19:19 PM



#42
1,2-Dichloroethane
Concen: 101.637 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	14.0	





#43

Isopropyl Acetate

Concen: 104.183 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1101549

Ion Ratio Lower Upper

43 100

61 24.5 14.0 21.0#

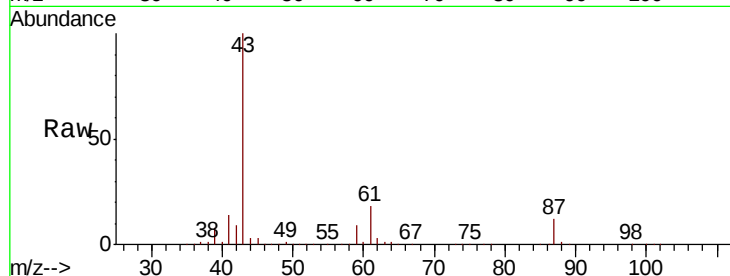
87 11.8 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064429.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064429.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064429.D (-1893) (-)

8.13

600000

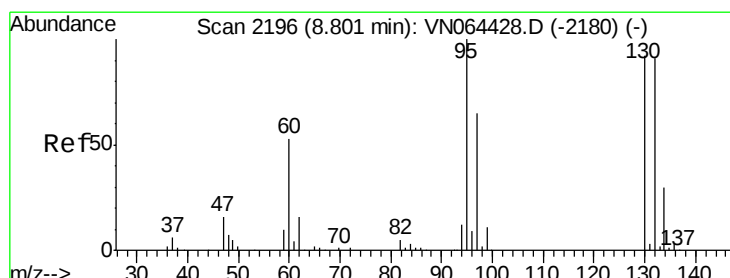
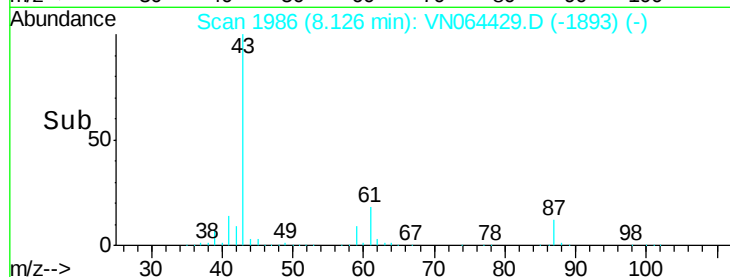
400000

200000

0

8.00 8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 105.350 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064429.D

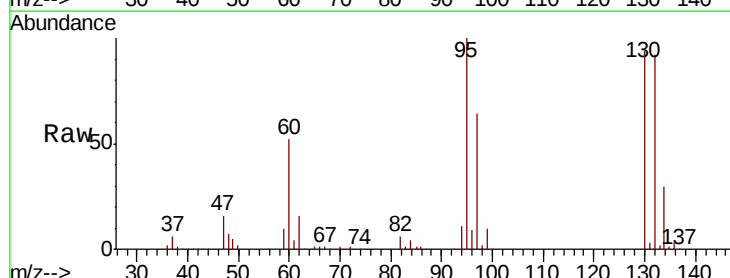
Acq: 4 Nov 2020 11:24

Tgt Ion:130 Resp: 473277

Ion Ratio Lower Upper

130 100

95 106.9 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064429.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064429.D (-2103) (-)

8.80

250000

200000

150000

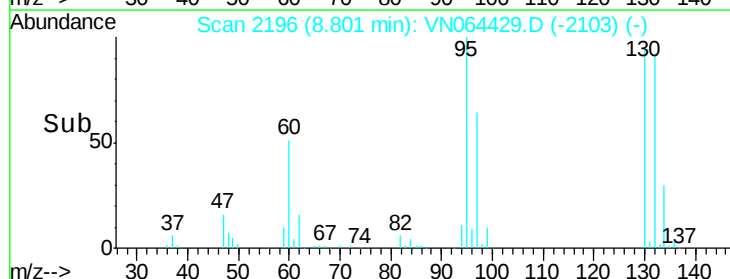
100000

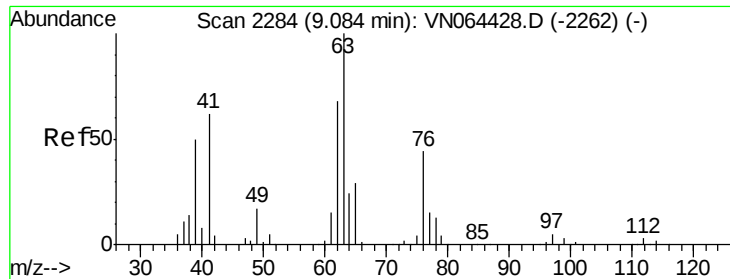
50000

0

8.70 8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 108.438 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 506151

Ion Ratio Lower Upper

63 100

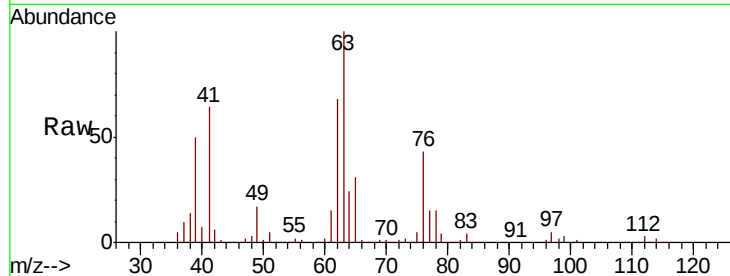
65 31.0 23.6 35.4

Manual Integrations

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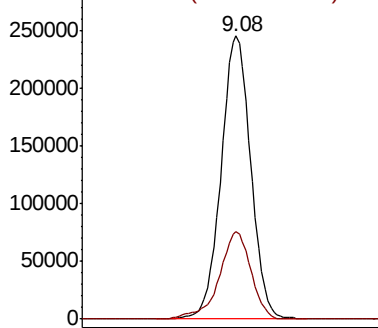
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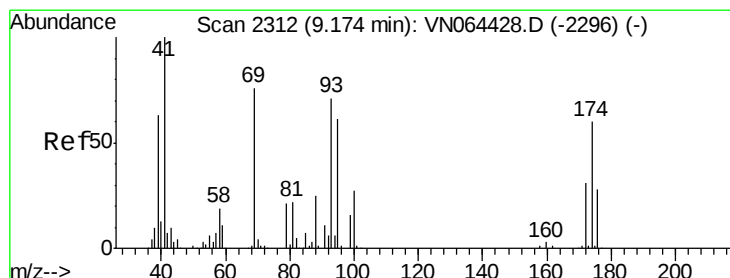
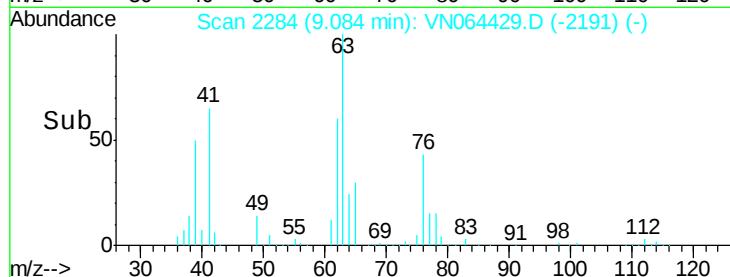


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



Time-->



#46

Dibromomethane

Concen: 105.935 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

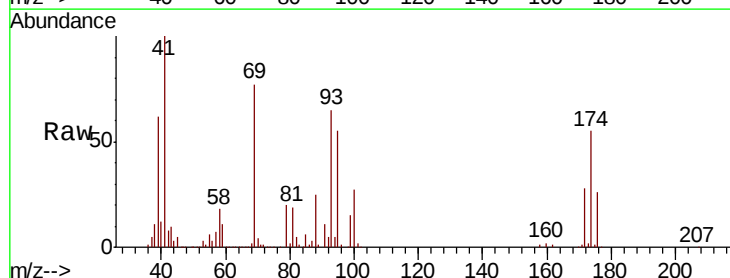
Tgt Ion: 93 Resp: 339433

Ion Ratio Lower Upper

93 100

95 81.8 66.4 99.6

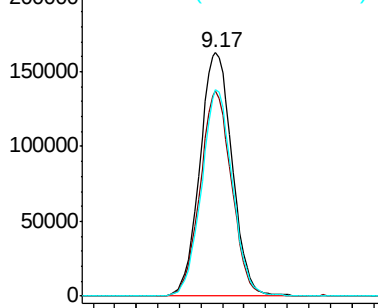
174 81.4 67.2 100.8



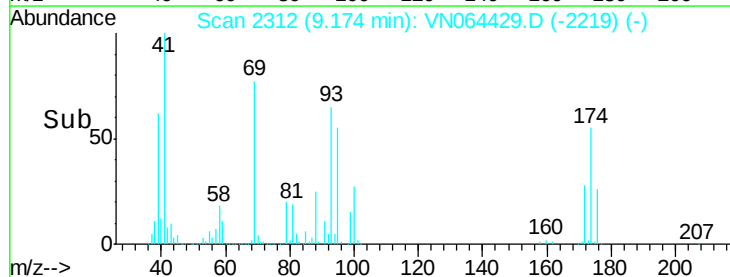
Abundance Ion 92.80 (92.50 to 93.50): VNO

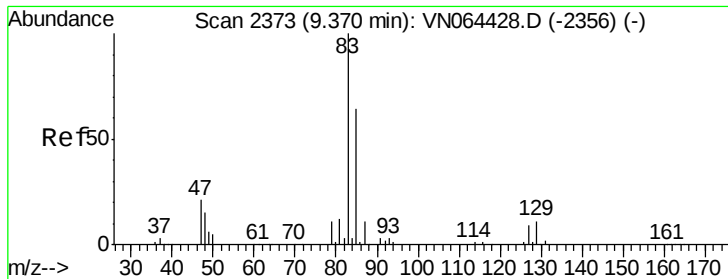
Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO



Time-->





#47

Bromodichloromethane

Concen: 101.776 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

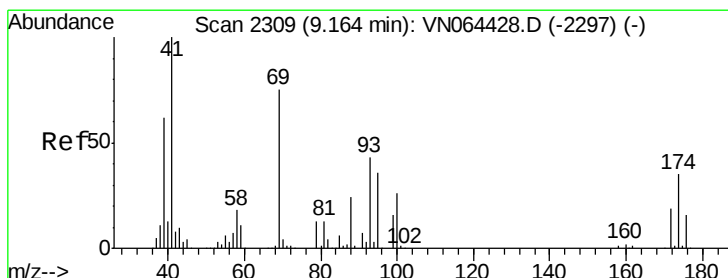
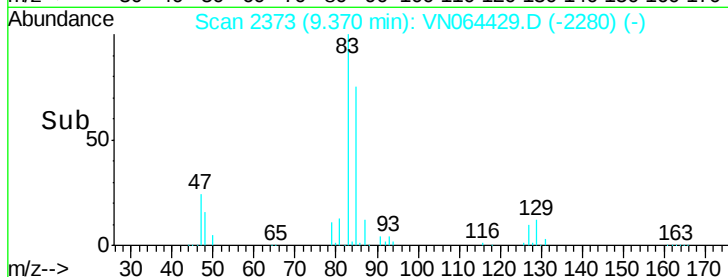
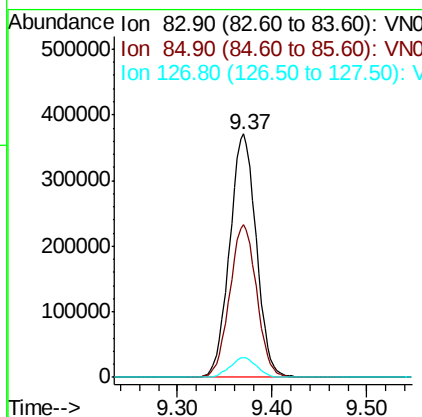
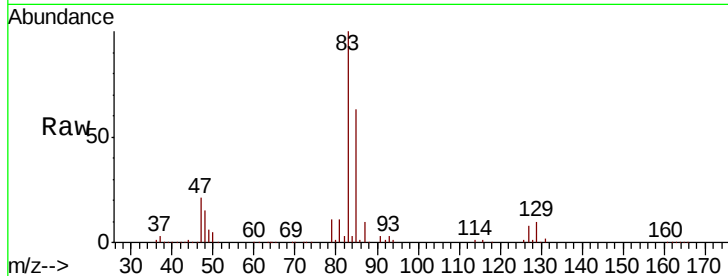
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	724133
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	8.0	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 103.462 ug/l

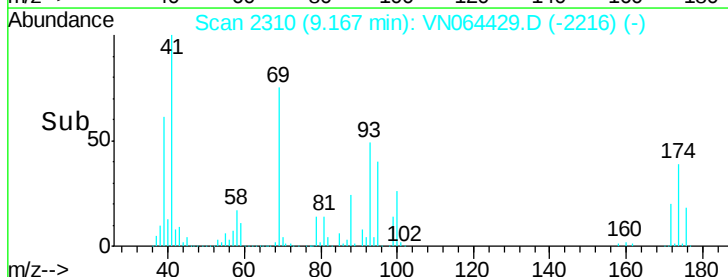
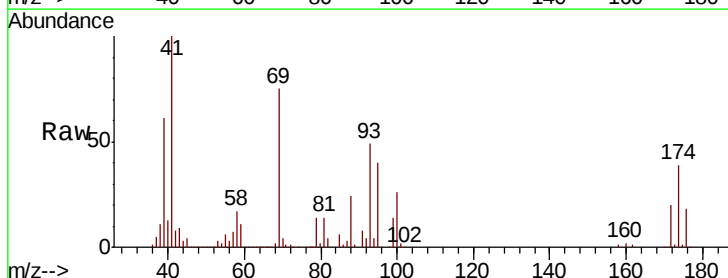
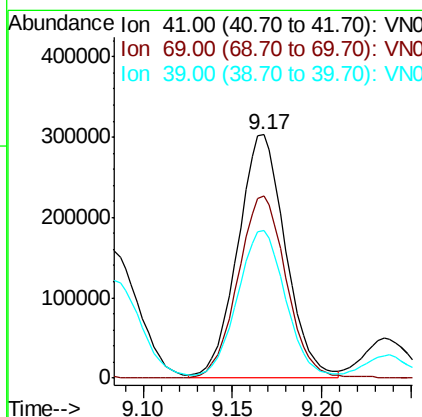
RT: 9.17 min Scan# 2310

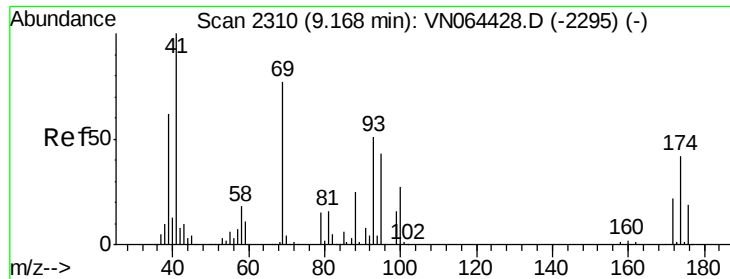
Delta R.T. 0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion:	41	Resp:	565066
Ion Ratio	Lower	Upper	
41	100		
69	75.8	60.4	90.6
39	61.4	51.2	76.8





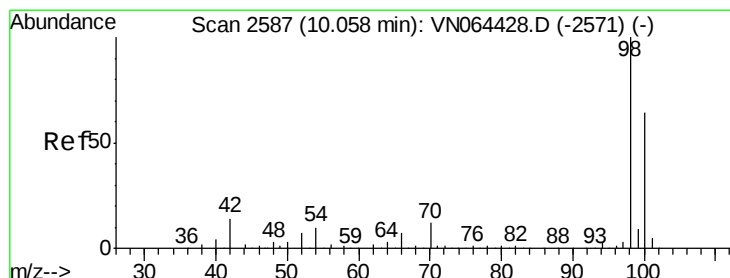
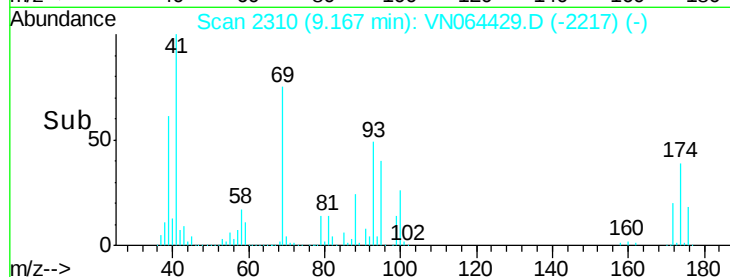
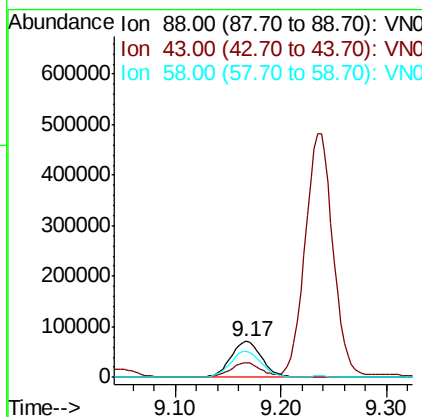
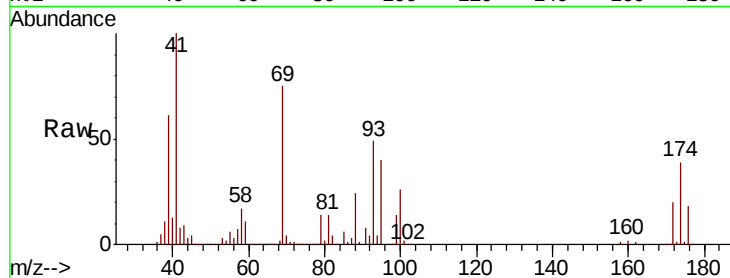
#49
1,4-Dioxane
Concen: 1860.011 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	31.0	46.6
58	71.9	58.4	87.6

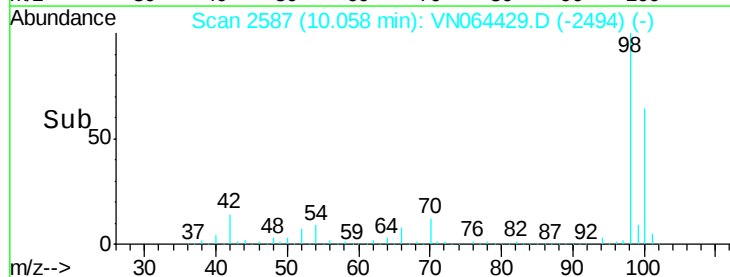
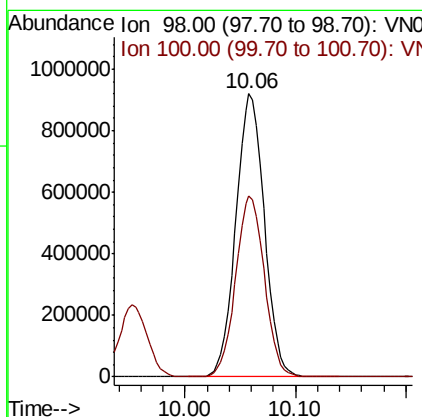
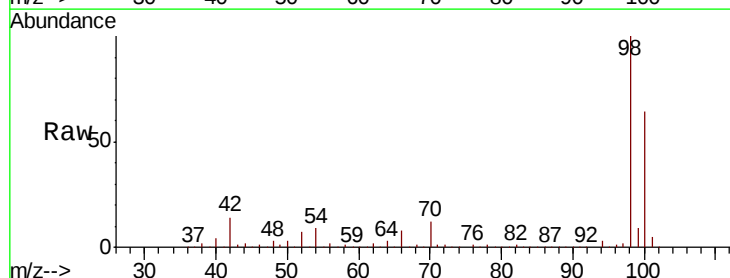
Manual Integrations
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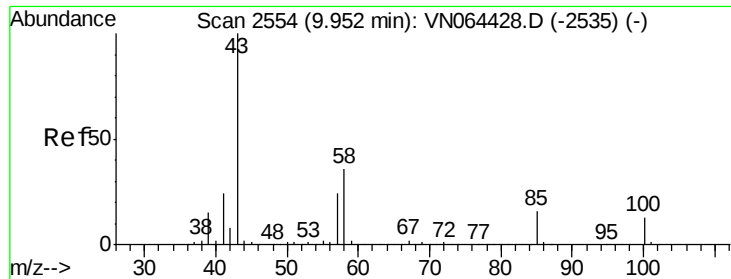
MMDadoda
11/5/2020 2:19:19 PM



#50
Toluene-d8
Concen: 109.369 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 527.404 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3259532

Ion Ratio Lower Upper

43 100

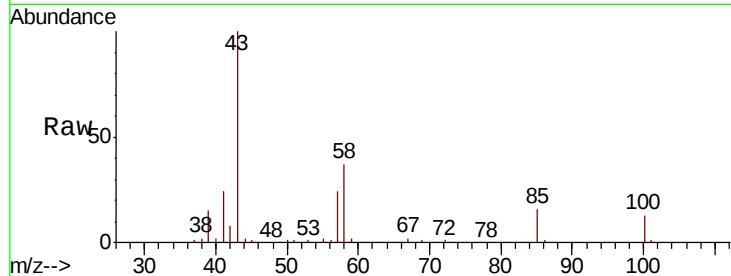
58 36.8 28.4 42.6

Manual Integrations

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MMDadoda

11/5/2020 2:19:19 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

2000000

1500000

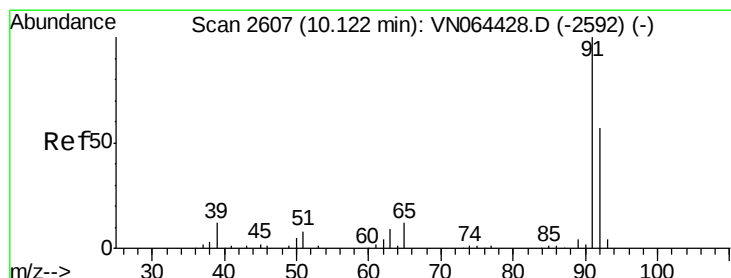
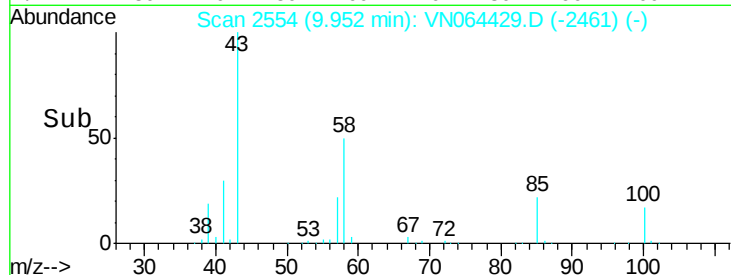
1000000

500000

0

9.80 9.90 10.00

Time-->



#52

Toluene

Concen: 110.543 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064429.D

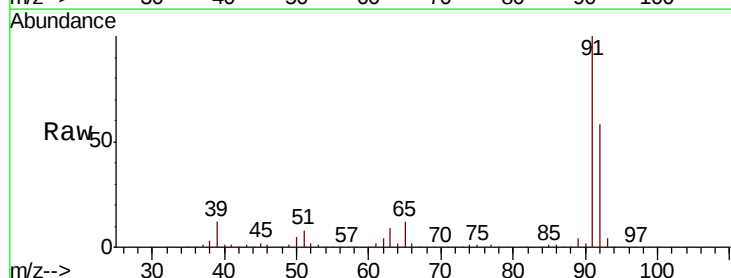
Acq: 4 Nov 2020 11:24

Tgt Ion: 92 Resp: 1211821

Ion Ratio Lower Upper

92 100

91 172.6 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

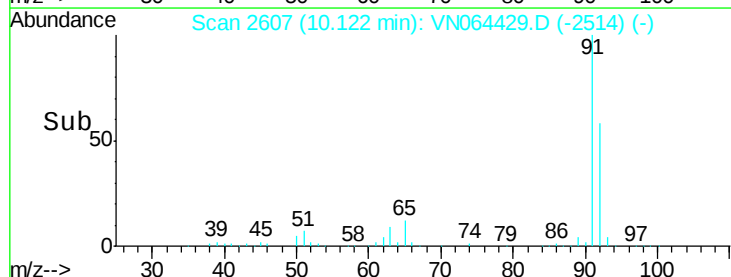
1000000

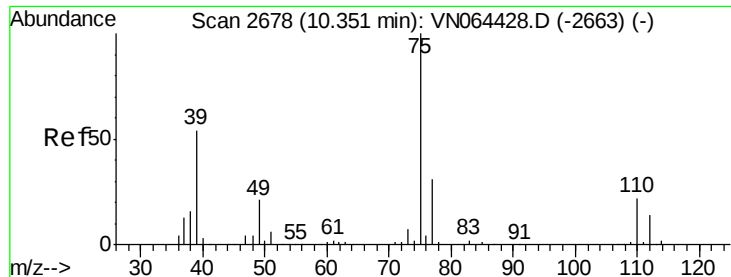
500000

0

10.10 10.12 10.14

Time-->





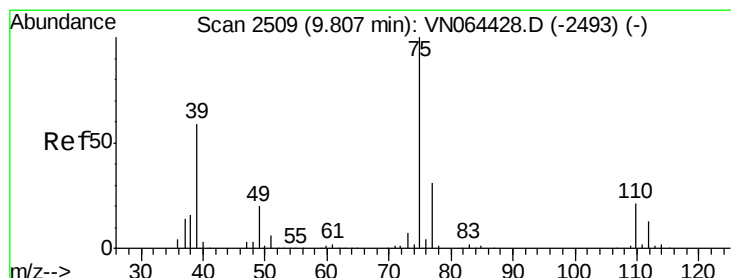
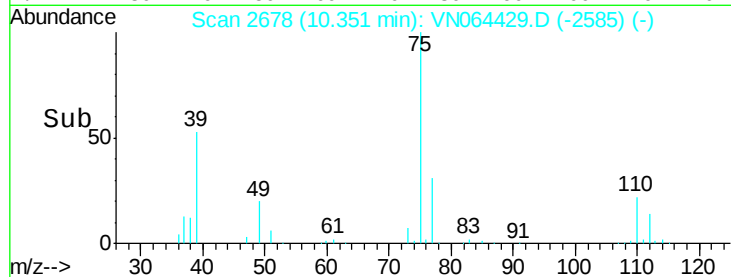
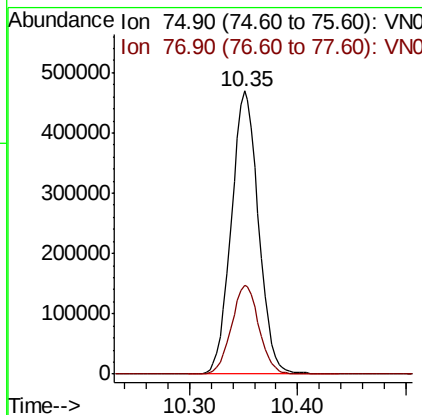
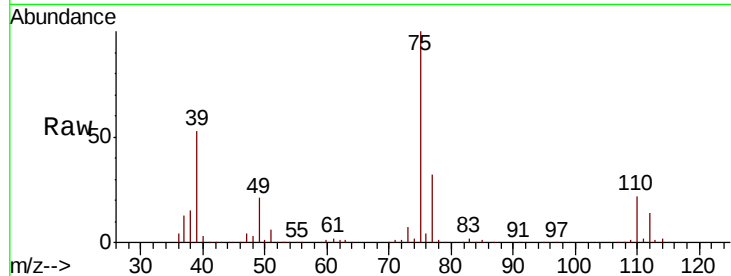
#53
t-1,3-Dichloropropene
Concen: 109.175 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 825971
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2

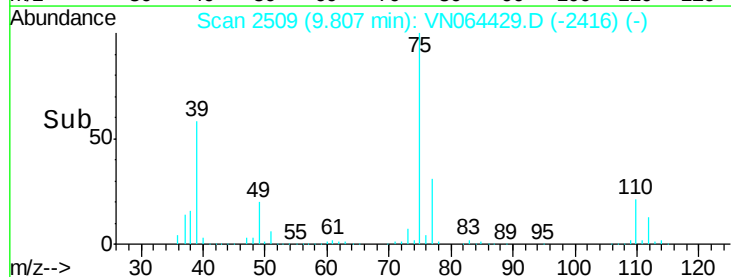
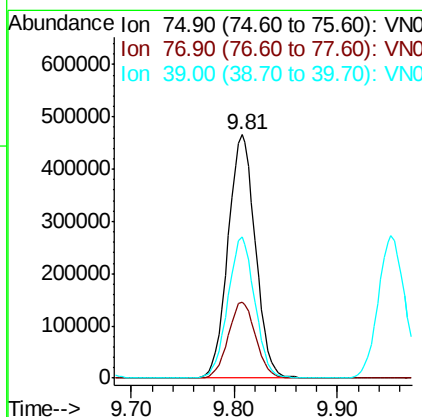
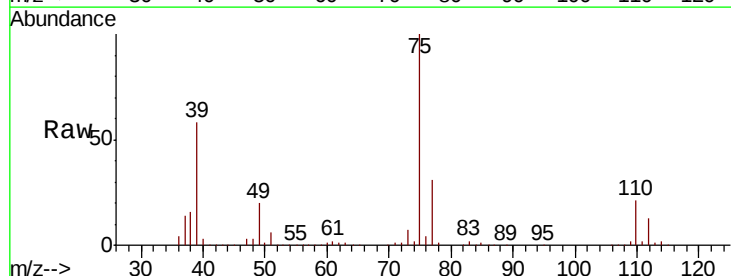
Manual Integrations
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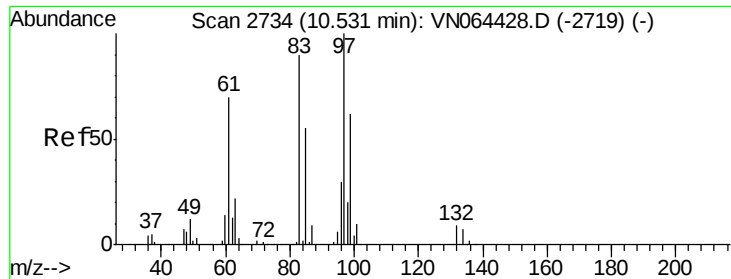
MMDadoda
11/5/2020 2:19:19 PM



#54
cis-1,3-Dichloropropene
Concen: 110.564 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 75 Resp: 860414
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 57.8 47.1 70.7





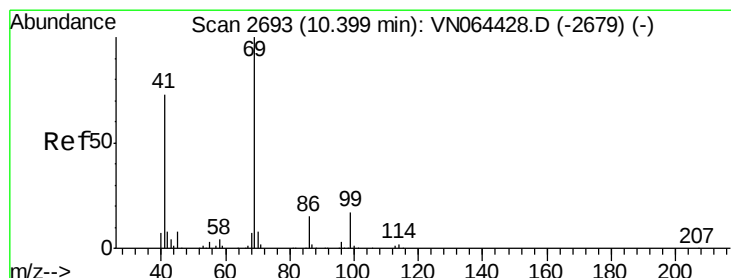
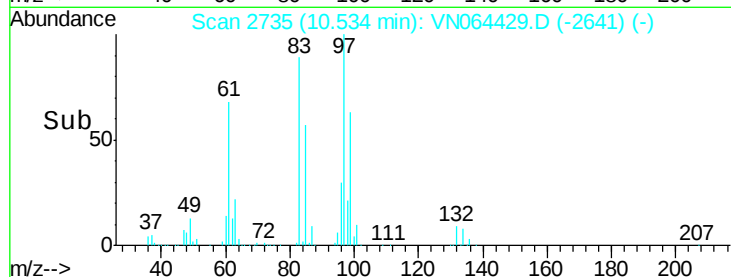
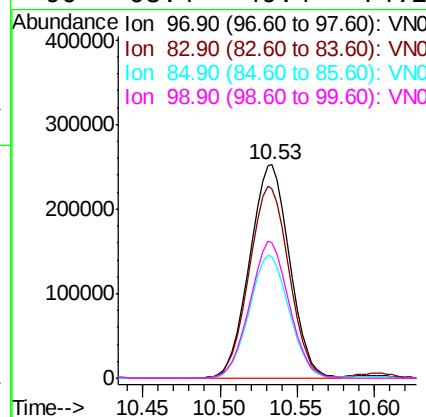
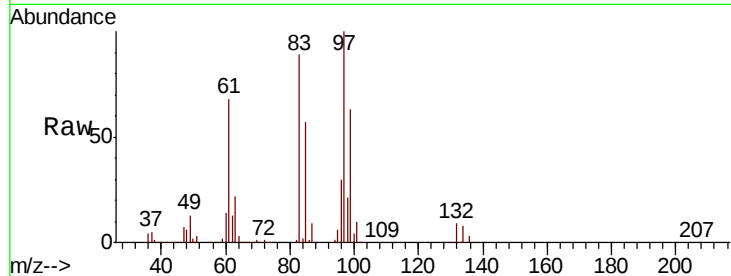
#55
 1,1,2-Trichloroethane
 Concen: 105.852 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.7	107.5
85	56.9	44.3	66.5
99	63.4	49.4	74.2

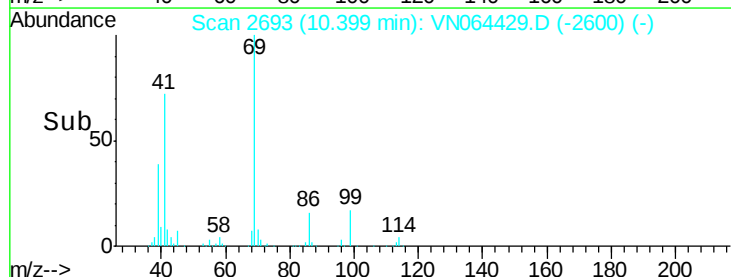
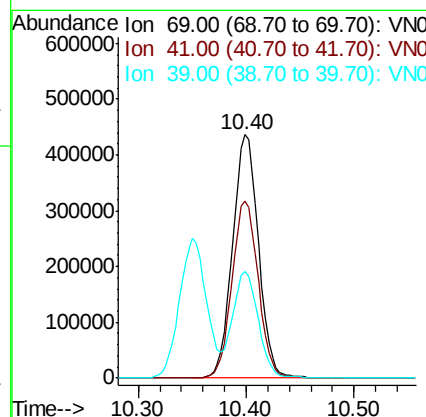
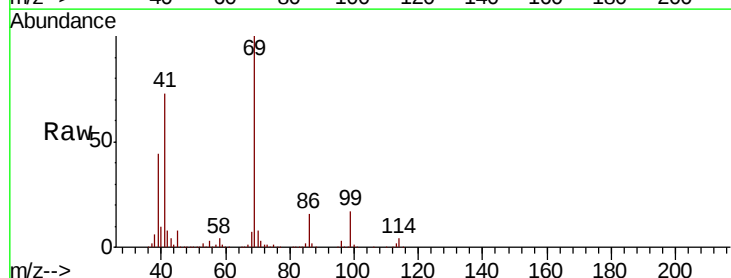
Manual Integrations
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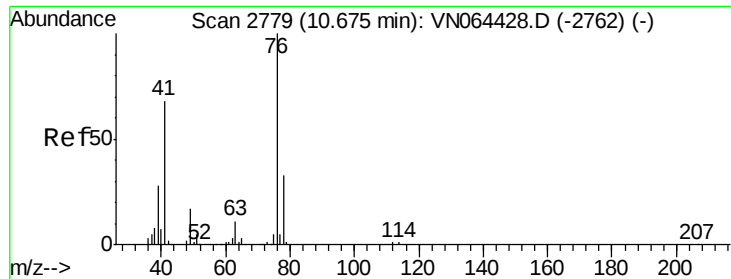
MMDadoda
 11/5/2020 2:19:19 PM



#56
 Ethyl methacrylate
 Concen: 112.909 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.8	59.3	88.9
39	43.4	35.4	53.0





#57

1,3-Dichloropropane

Concen: 111.114 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 815836

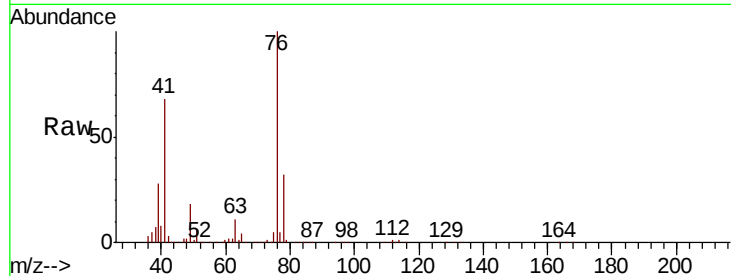
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6

Manual Integrations
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11/5/2020 2:19:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

400000

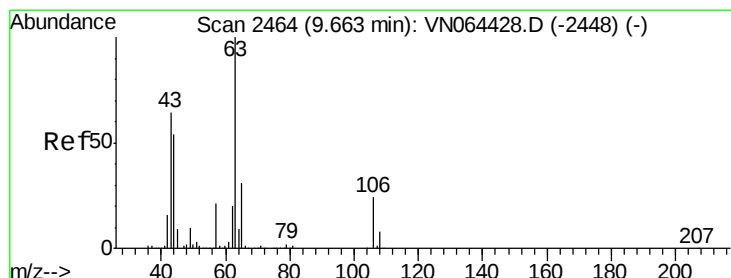
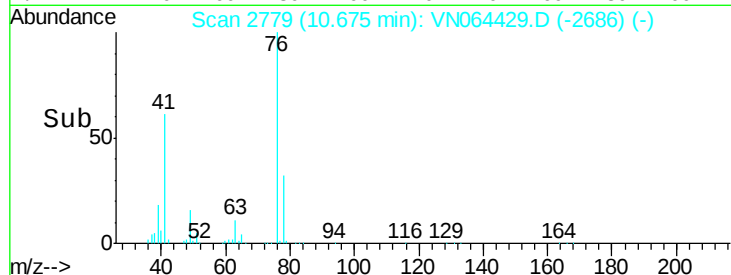
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 512.931 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064429.D

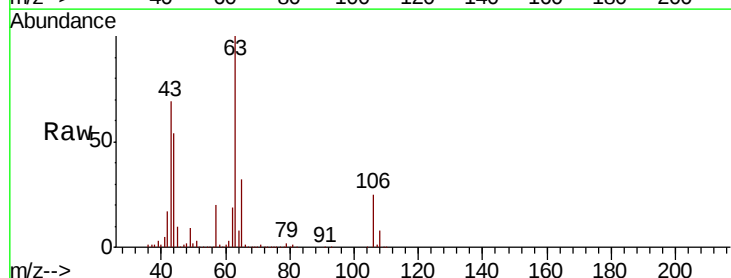
Acq: 4 Nov 2020 11:24

Tgt Ion: 63 Resp: 1731951

Ion Ratio Lower Upper

63 100

106 25.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

1000000

800000

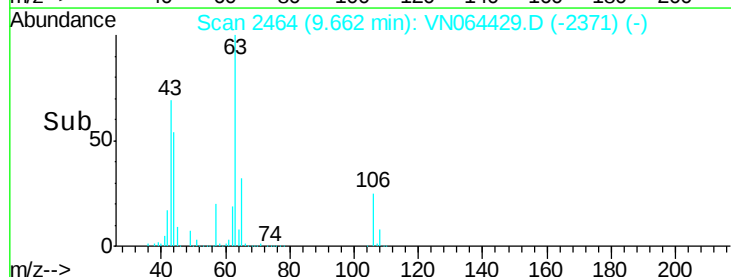
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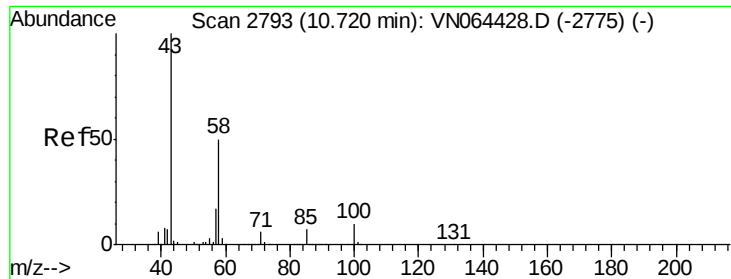
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200000

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Time-->





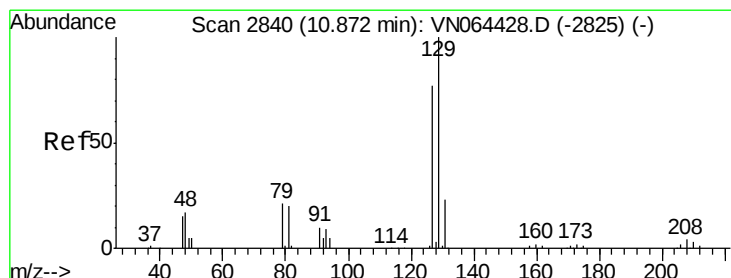
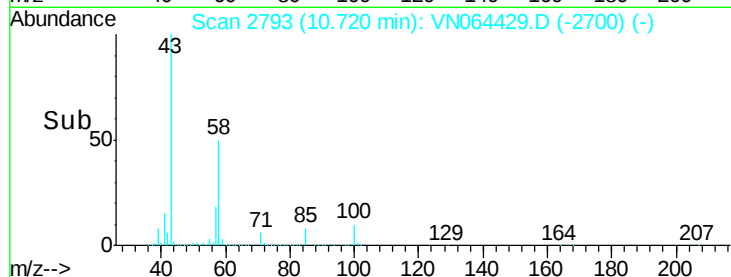
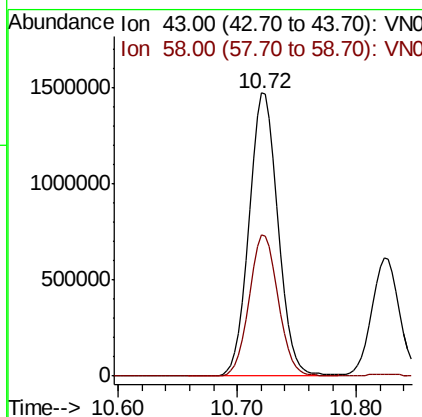
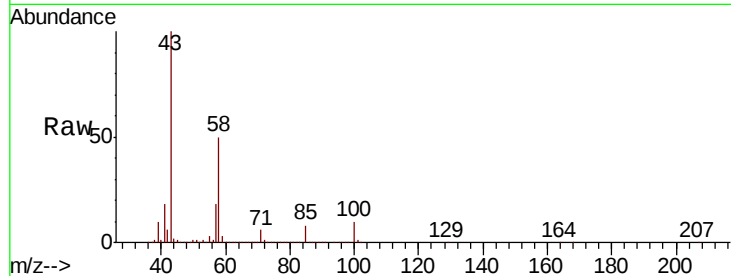
#59
2-Hexanone
Concen: 546.084 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2480475
Ion Ratio Lower Upper
43 100
58 50.1 24.7 74.1

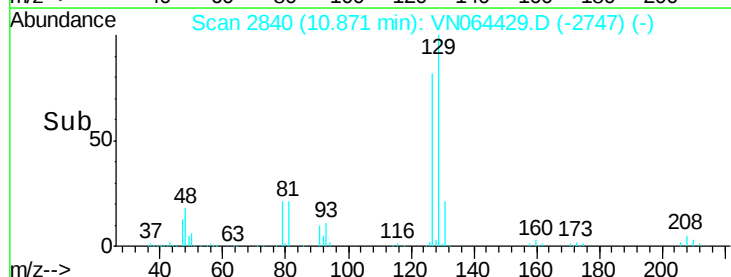
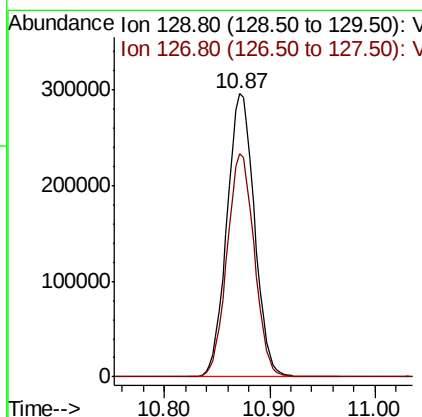
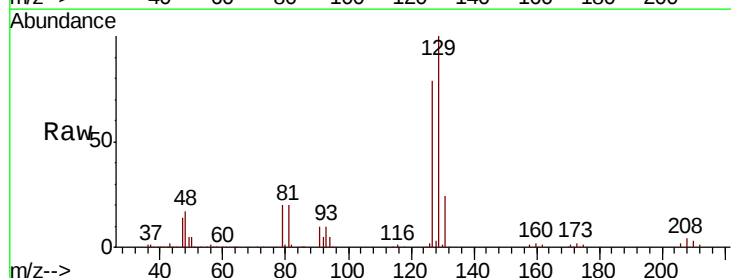
Manual Integrations
APPROVED

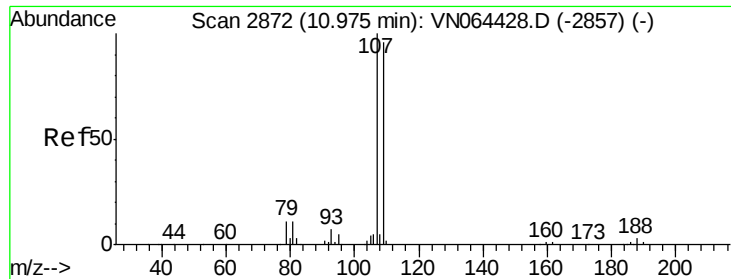
MMDadoda
11/5/2020 2:19:19 PM



#60
Dibromochloromethane
Concen: 106.759 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:129 Resp: 535165
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





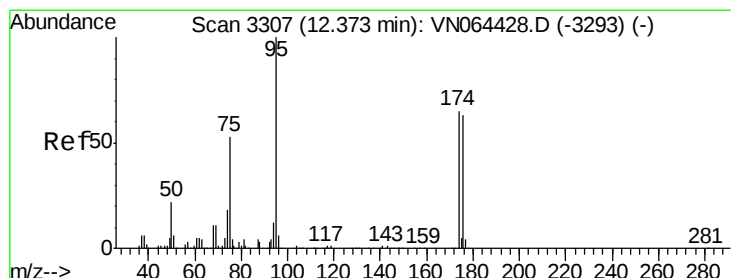
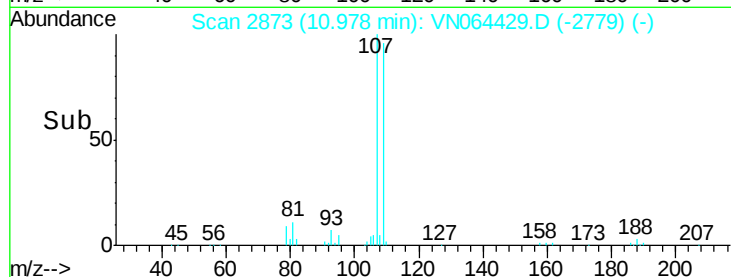
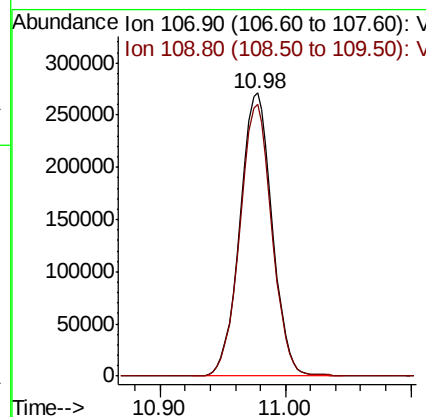
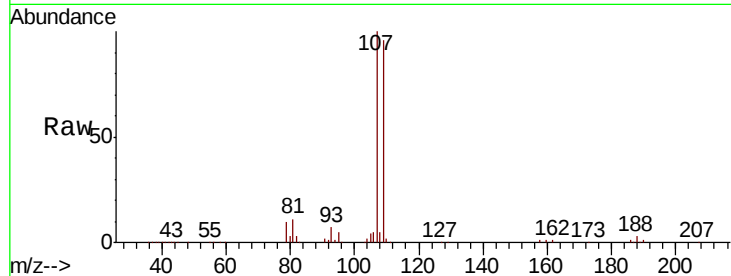
#61
 1,2-Dibromoethane
 Concen: 111.128 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

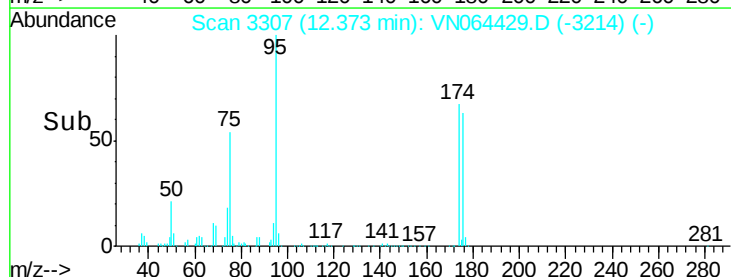
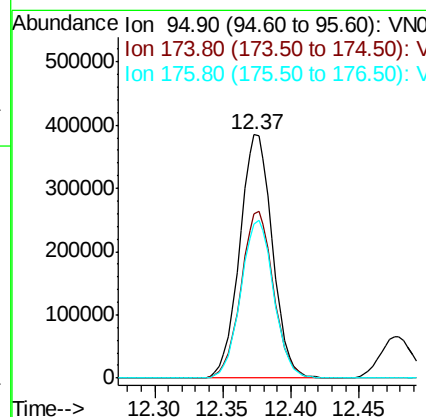
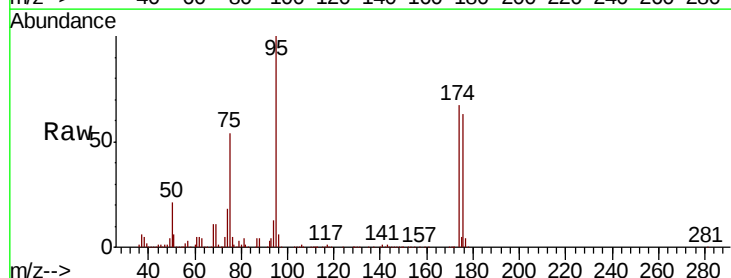
Manual Integrations
 APPROVED

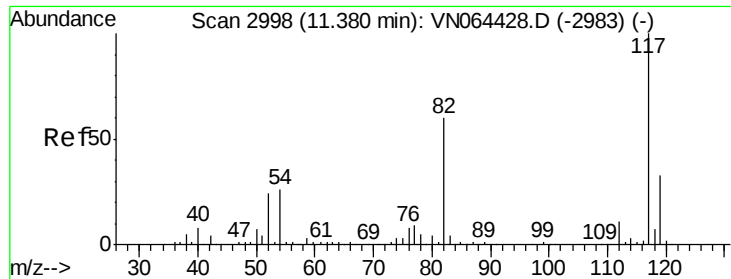
MMDadoda
 11/5/2020 2:19:19 PM



#62
 4-Bromofluorobenzene
 Concen: 109.542 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.1	0.0	132.6
176	65.0	0.0	129.2





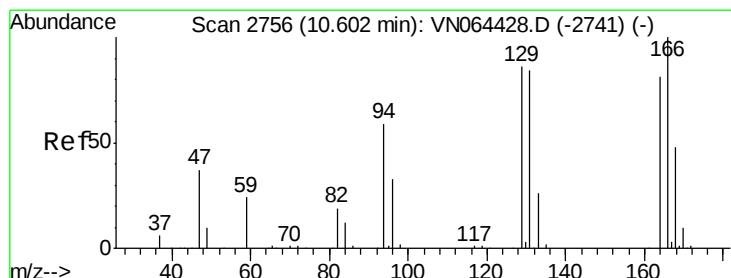
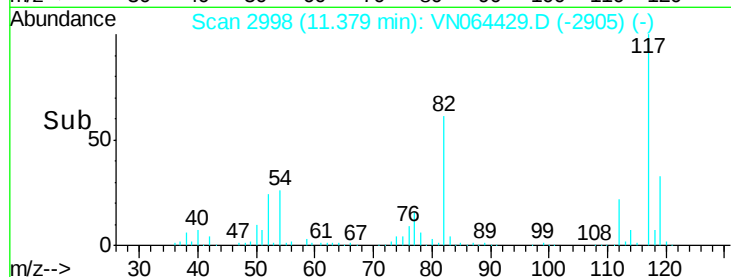
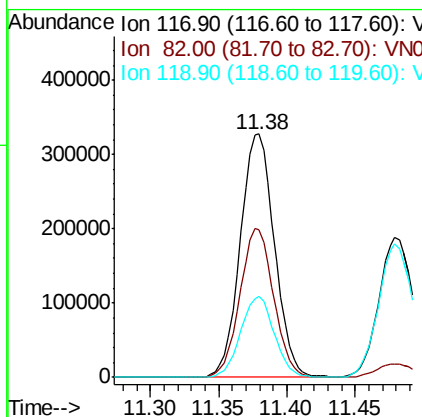
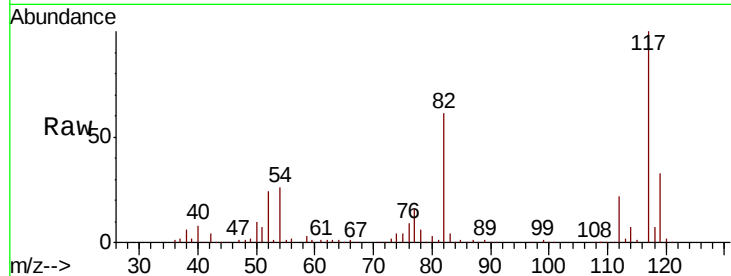
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.1	72.1
119	33.1	26.2	39.4

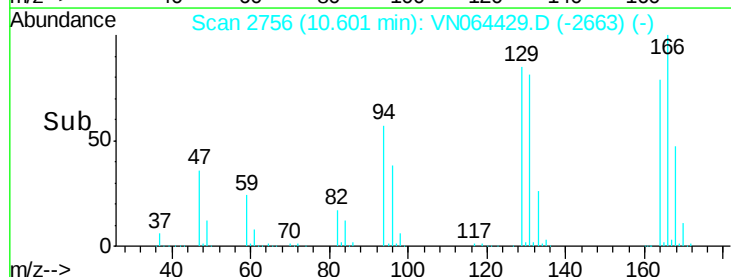
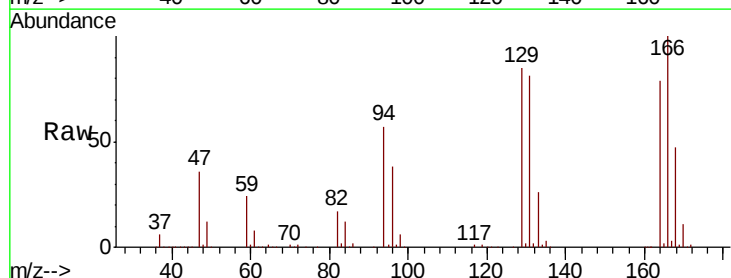
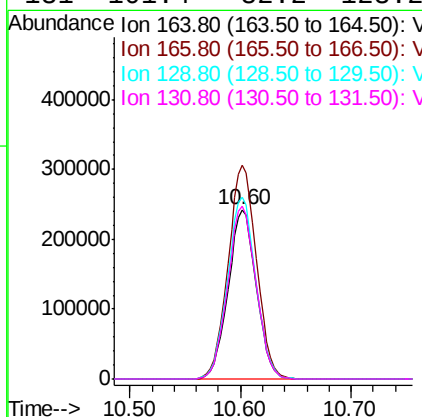
Manual Integrations
APPROVED

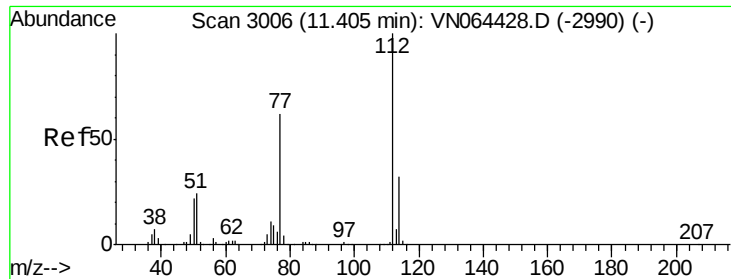
MMDadoda
11/5/2020 2:19:19 PM



#64
Tetrachloroethene
Concen: 91.293 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.2	147.2
129	107.5	84.6	127.0
131	101.4	82.2	123.2





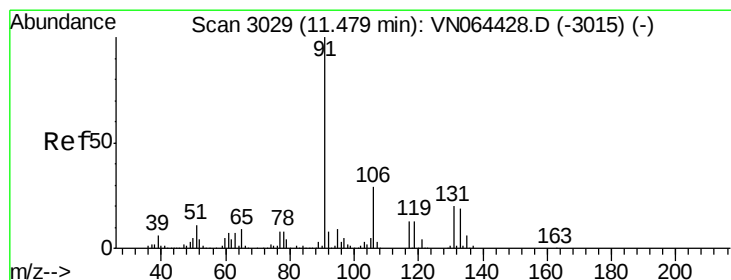
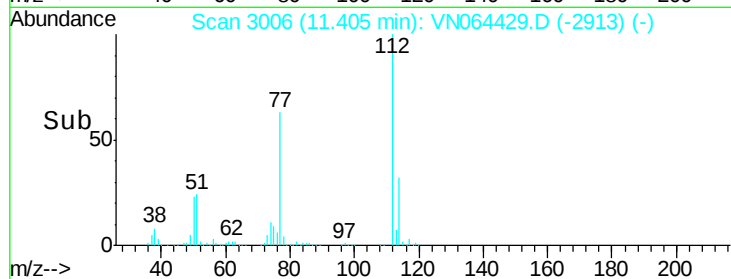
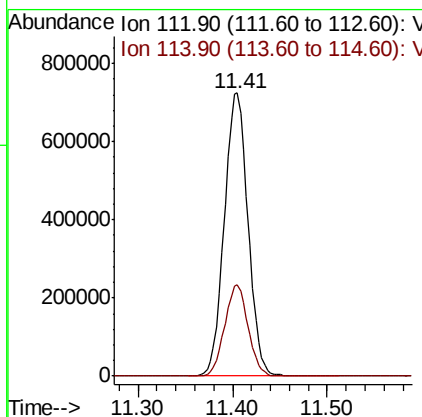
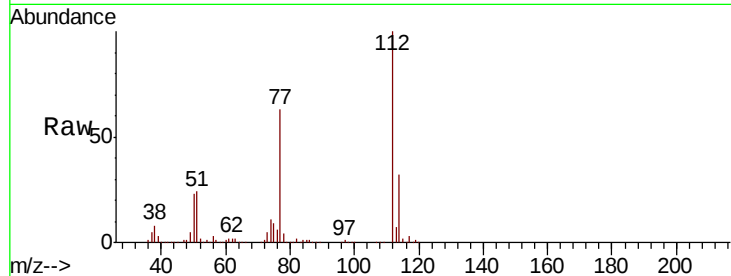
#65
Chlorobenzene
Concen: 106.853 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1262635
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

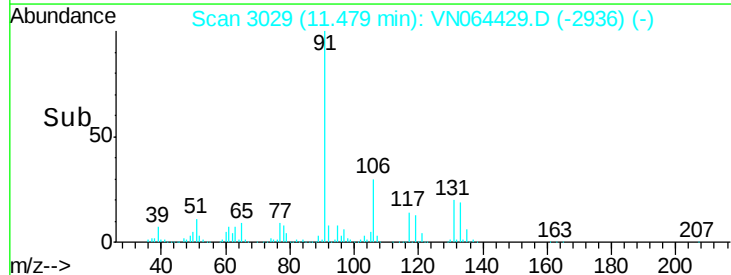
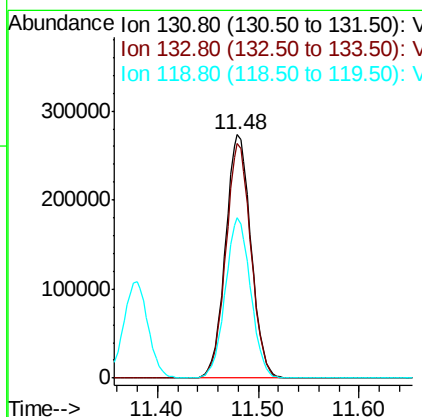
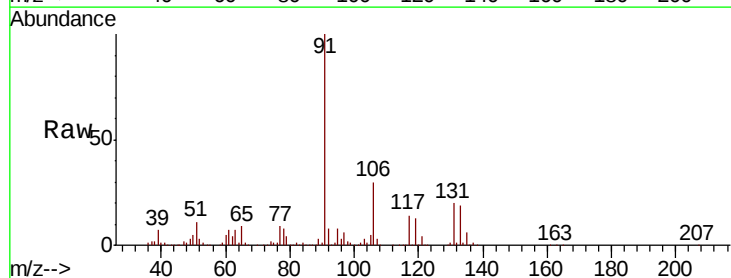
Manual Integrations
APPROVED

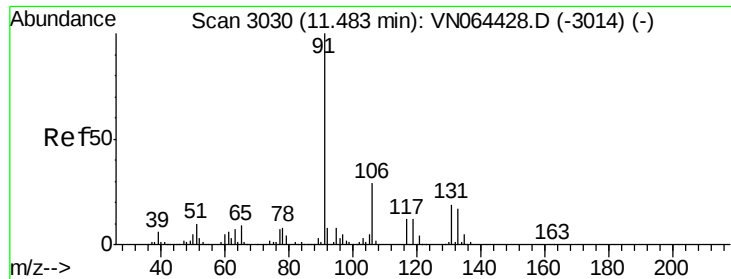
MMDadoda
11/5/2020 2:19:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.050 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion:131 Resp: 482451
Ion Ratio Lower Upper
131 100
133 94.6 46.9 140.7
119 65.0 32.1 96.5





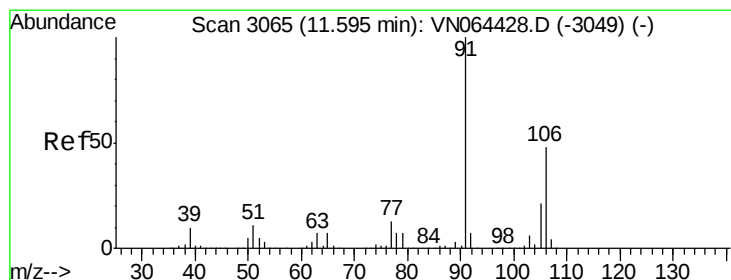
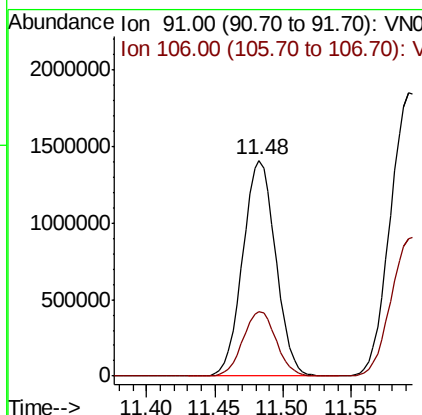
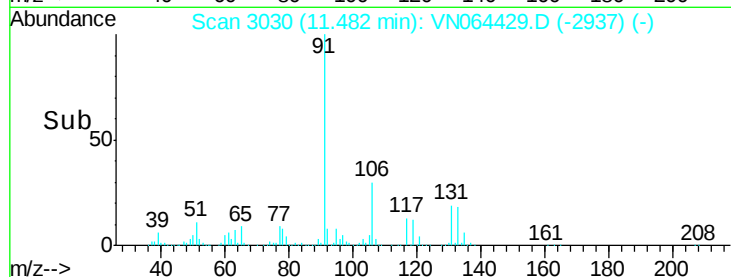
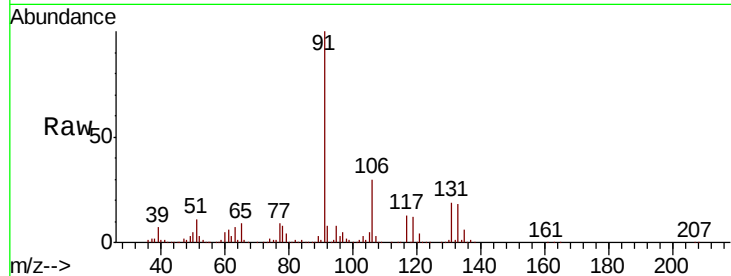
#67
Ethyl Benzene
Concen: 107.574 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 2361385
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

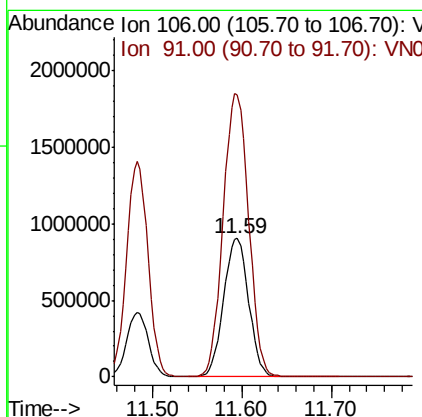
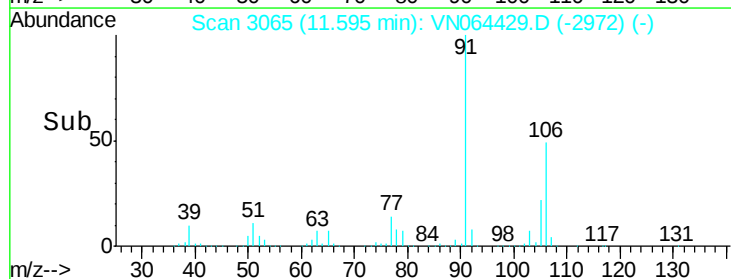
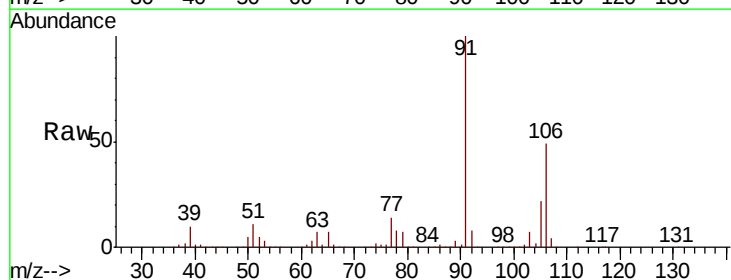
Manual Integrations
APPROVED

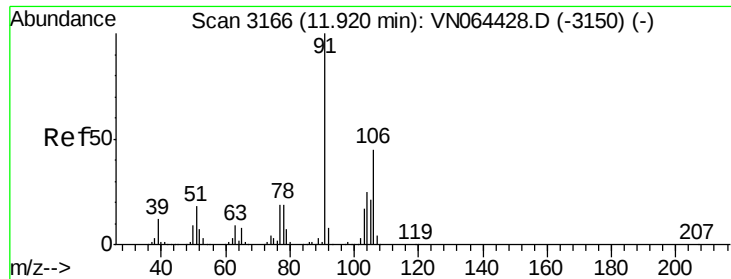
MMDadoda
11/5/2020 2:19:19 PM



#68
m/p-Xylenes
Concen: 215.901 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 106 Resp: 1753609
Ion Ratio Lower Upper
106 100
91 208.9 169.4 254.2





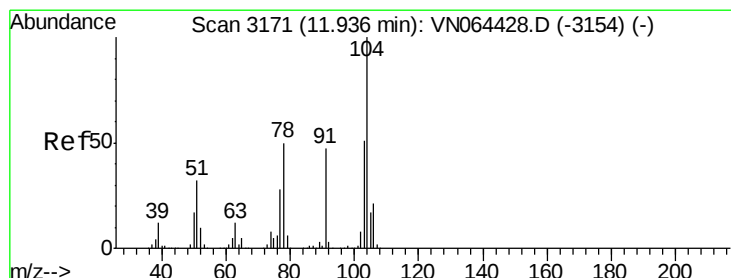
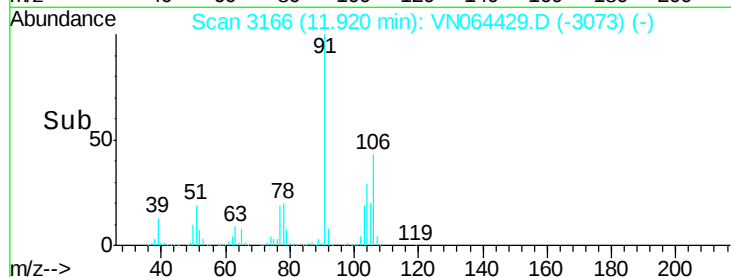
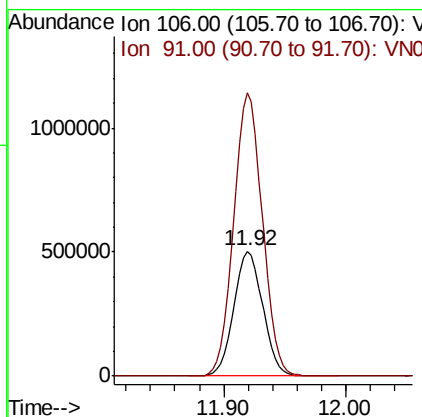
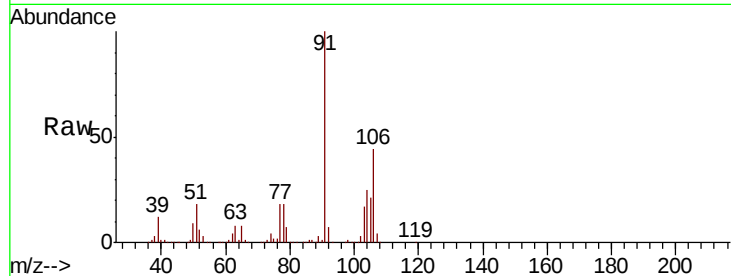
#69
o-Xylene
Concen: 105.719 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.4	111.7	334.9

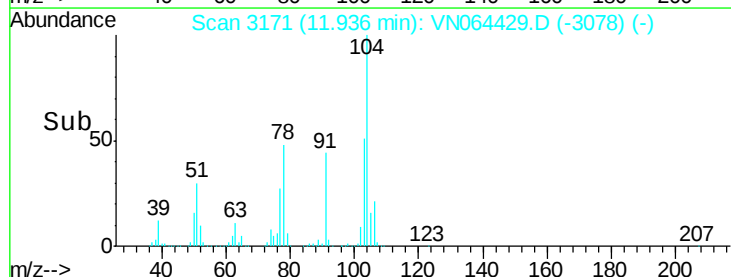
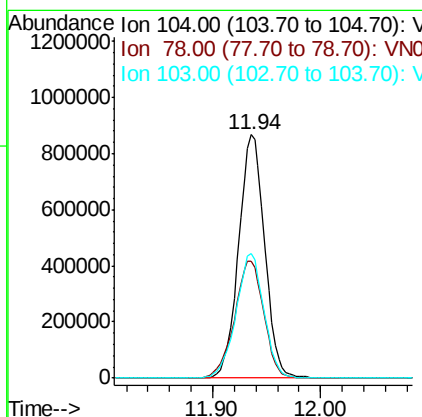
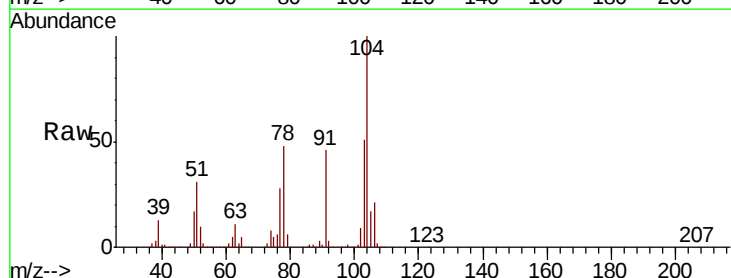
Manual Integrations
APPROVED

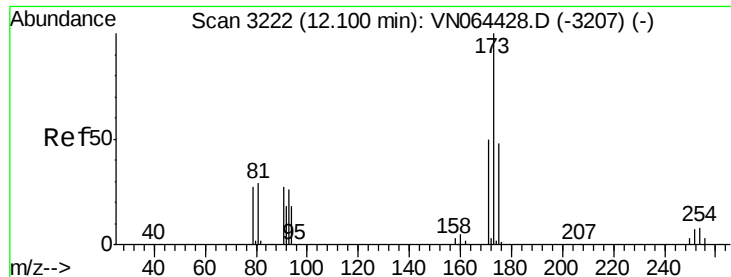
MMDadoda
11/5/2020 2:19:19 PM



#70
Styrene
Concen: 113.912 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	44.0	66.0
103	54.7	43.8	65.6





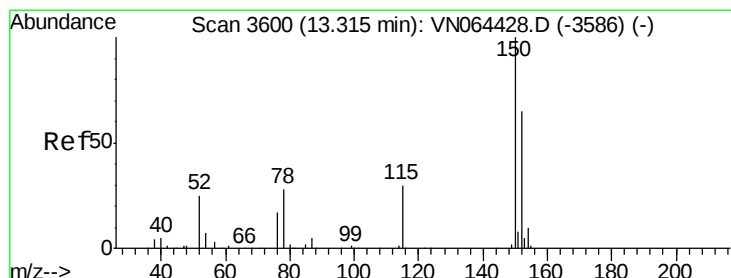
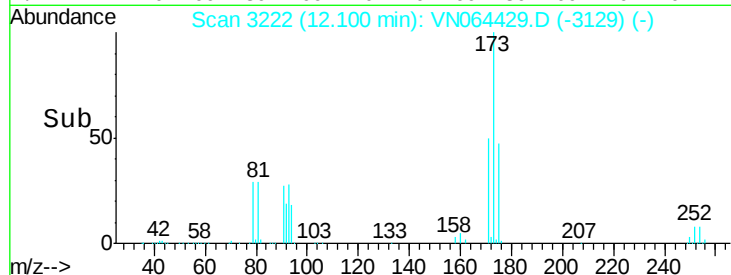
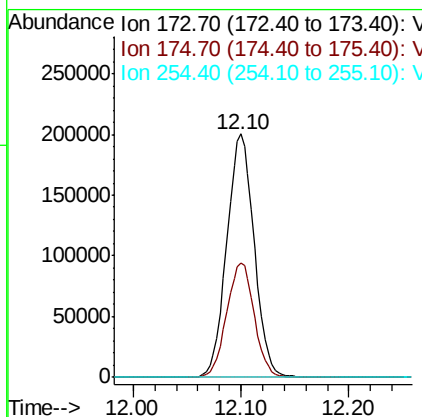
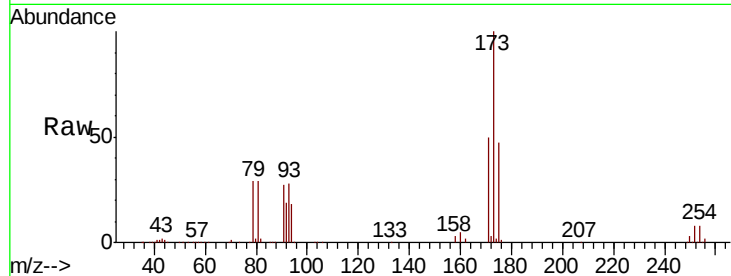
#71
Bromoform
Concen: 97.572 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.7	71.1
254	0.1	0.0	0.0

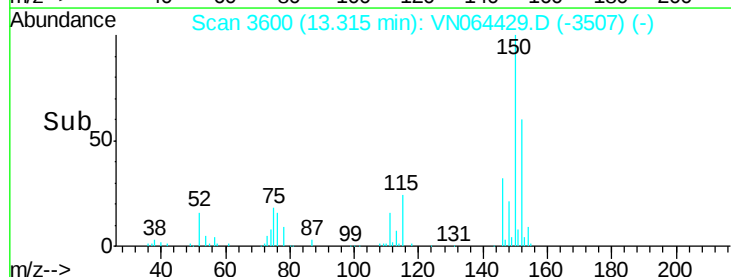
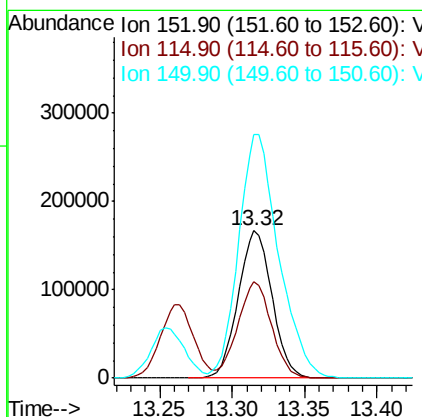
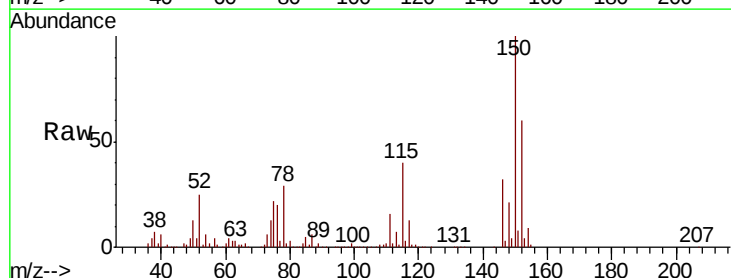
Manual Integrations
APPROVED

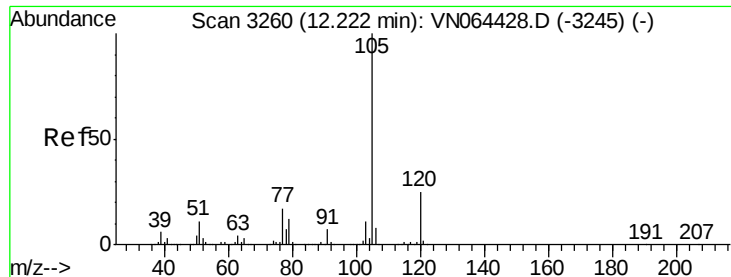
MMDadoda
11/5/2020 2:19:19 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	32.0	96.0
150	195.7	0.0	353.8





#73

Isopropylbenzene

Concen: 104.798 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2170389

Ion Ratio Lower Upper

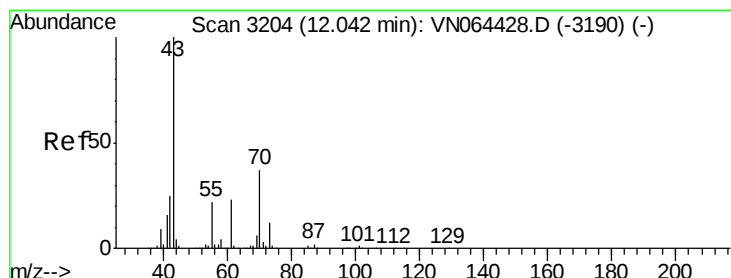
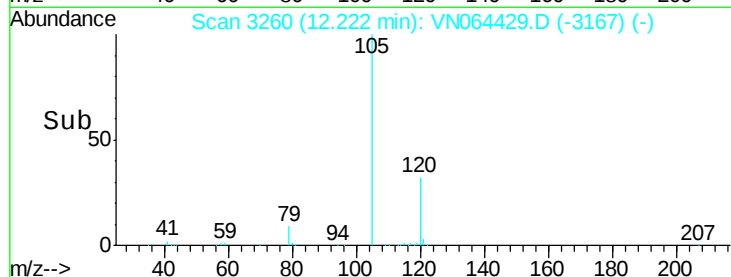
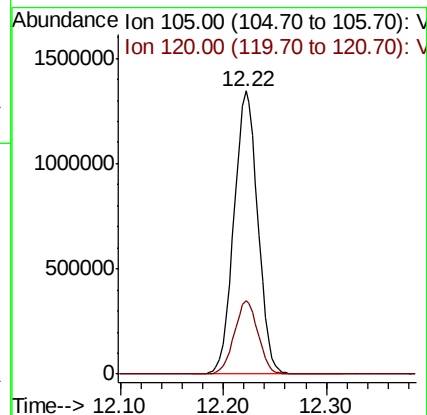
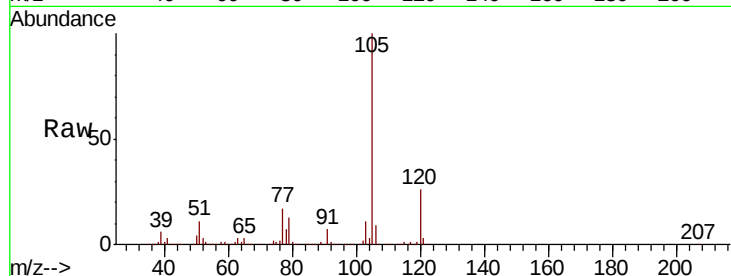
105 100

120 26.0 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

11/5/2020 2:19:19 PM



#74

N-ethyl acetate

Concen: 115.068 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion: 43 Resp: 1046193

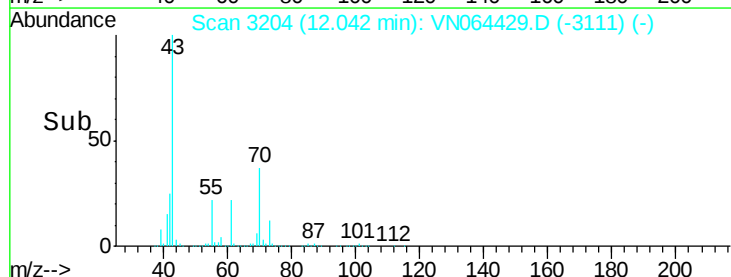
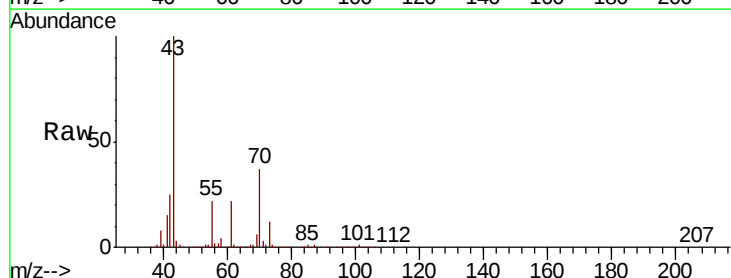
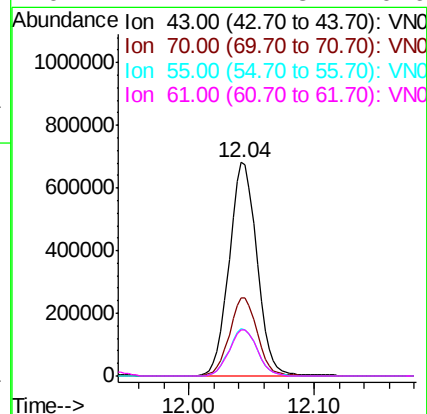
Ion Ratio Lower Upper

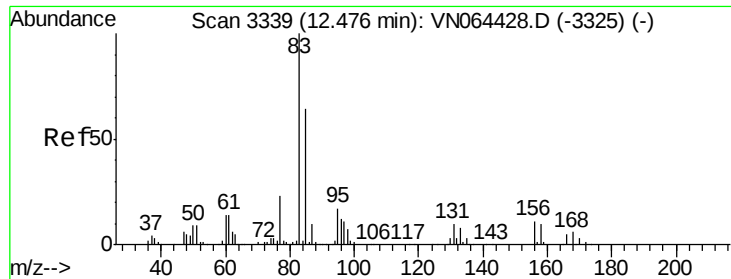
43 100

70 37.0 29.6 44.4

55 22.7 18.4 27.6

61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 106.404 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 643457
Ion Ratio Lower Upper

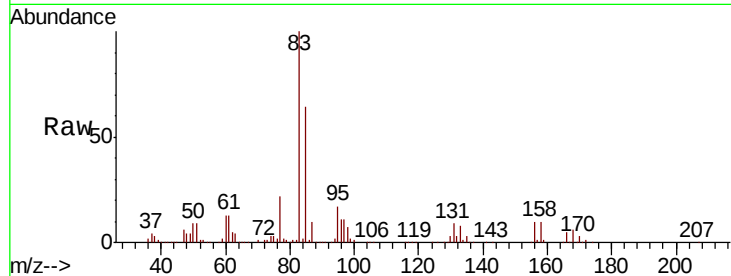
83 100

131 9.8 4.9 14.7

85 64.7 32.1 96.5

Manual Integrations
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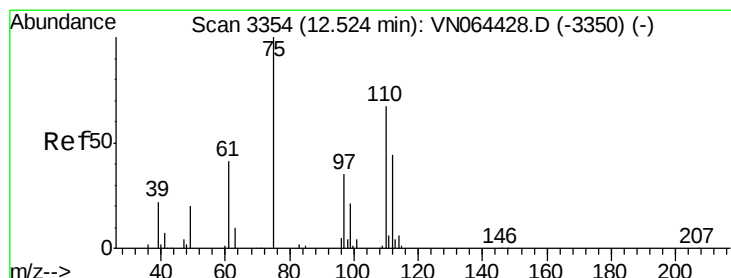
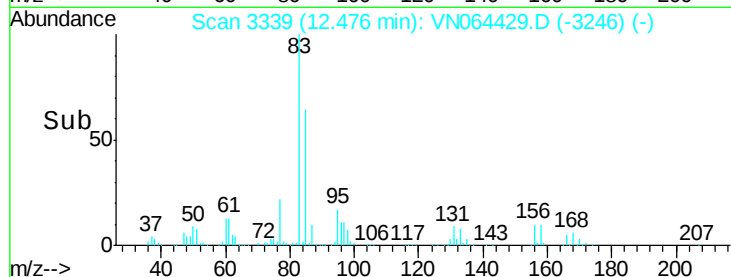
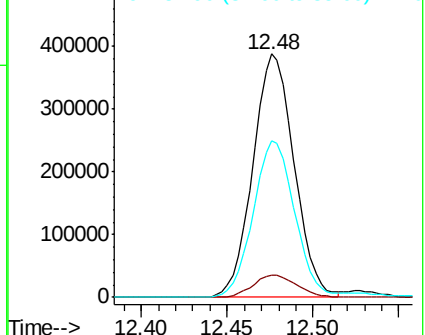
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 102.274 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

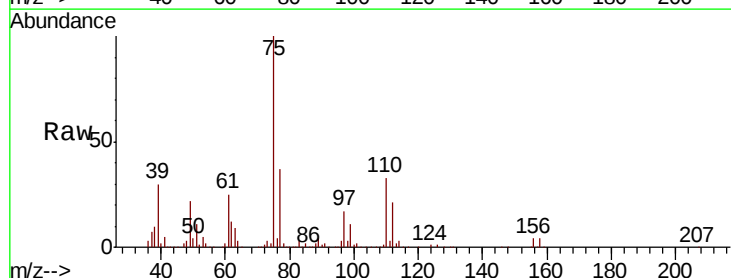
Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion: 75 Resp: 663409
Ion Ratio Lower Upper

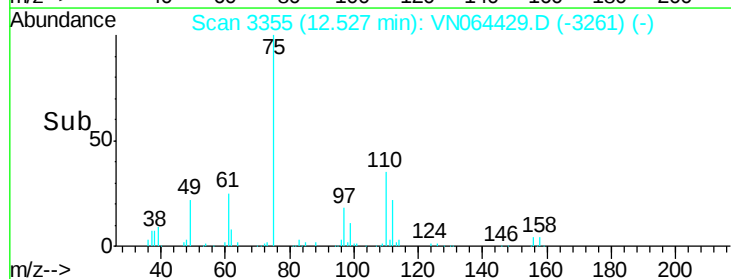
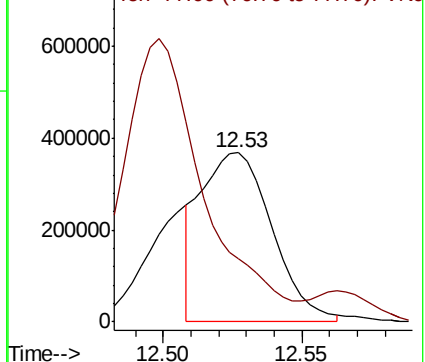
75 100

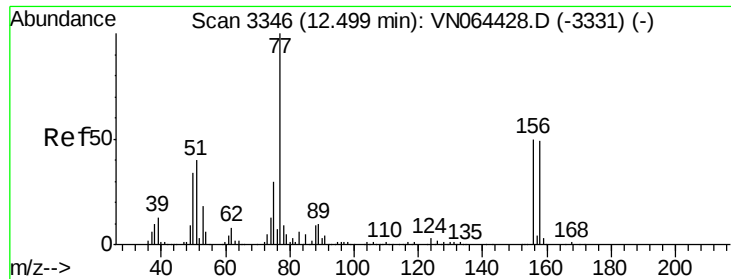
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 103.600 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

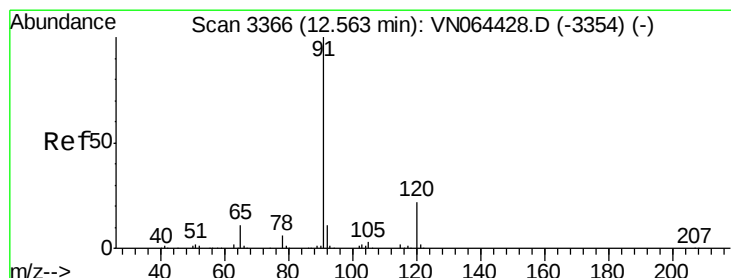
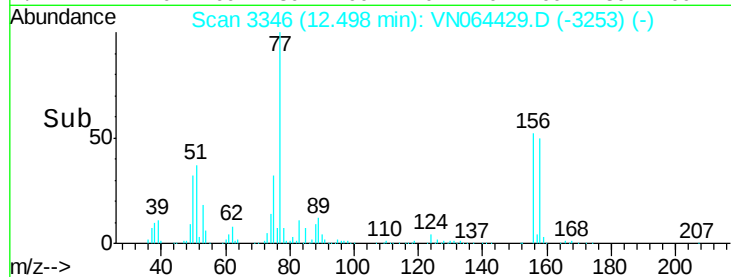
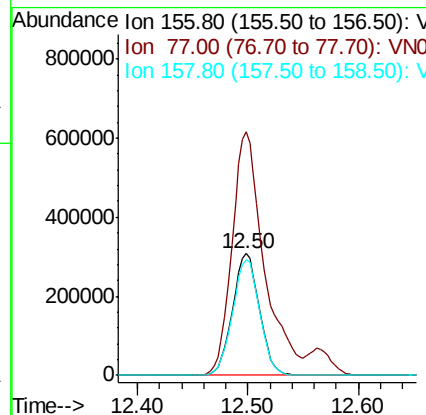
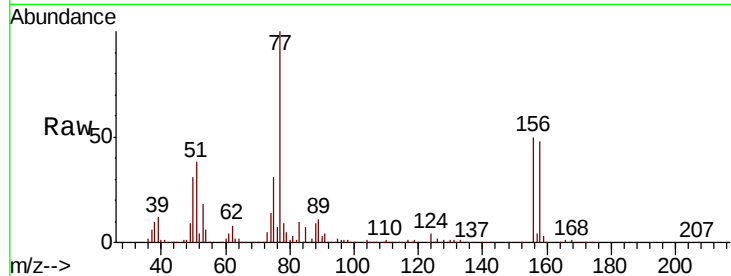
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	238.6	119.0	357.0	
158	96.1	48.4	145.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 108.787 ug/l

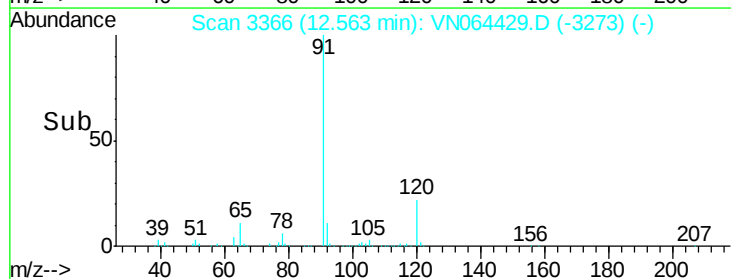
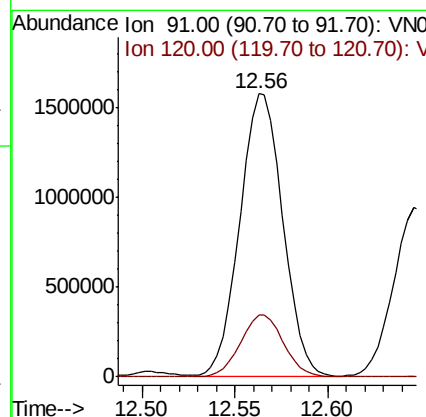
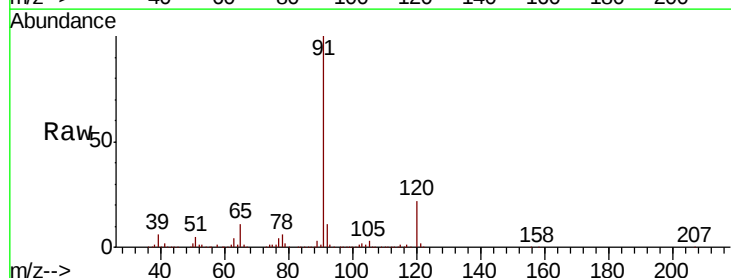
RT: 12.56 min Scan# 3366

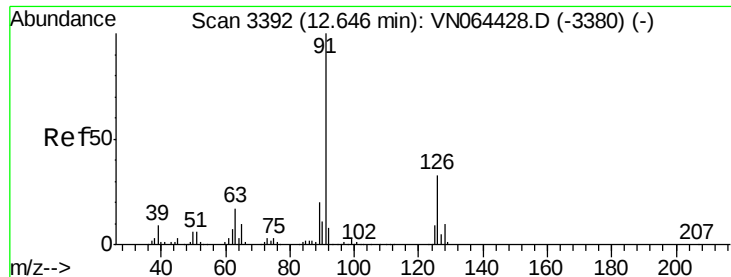
Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	11.0	33.0	





#79

2-Chlorotoluene

Concen: 104.860 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064429.D

Acq: 4 Nov 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1565438

Ion Ratio Lower Upper

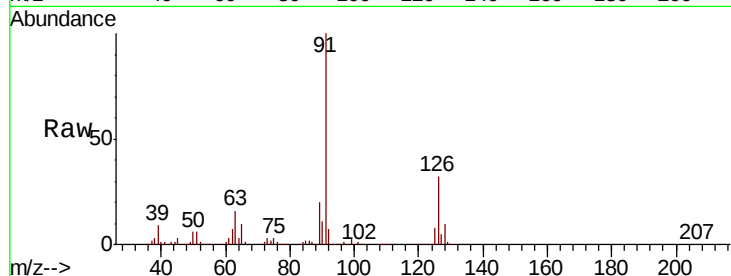
91 100

126 32.0 16.4 49.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064428.D (-3380) (-)

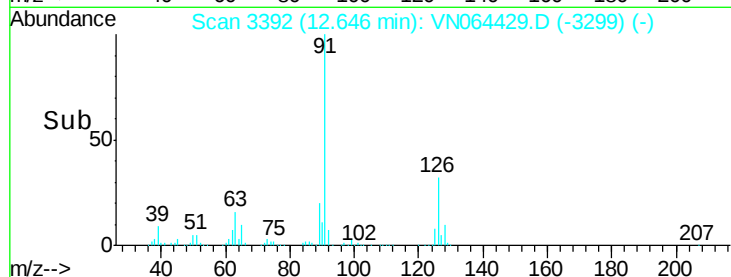
1500000

1000000

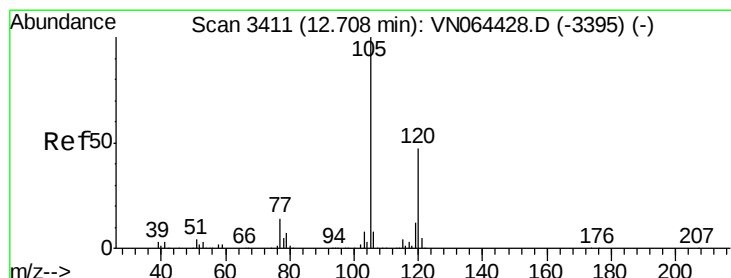
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 105.096 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064429.D

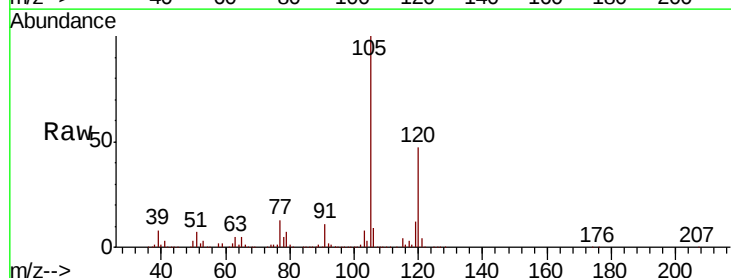
Acq: 4 Nov 2020 11:24

Tgt Ion:105 Resp: 1832992

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

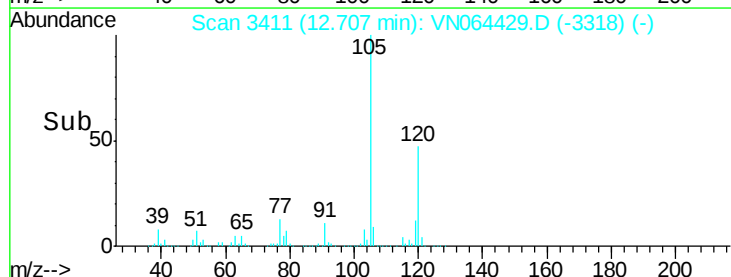
Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)

1000000

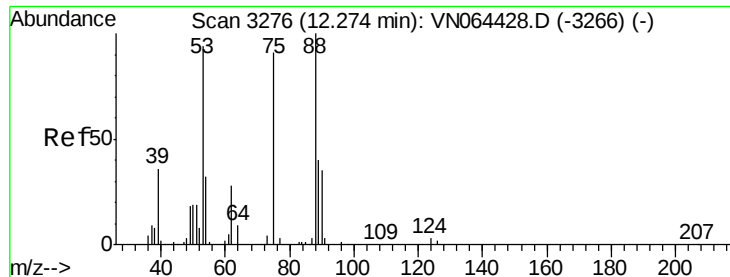
500000

0

12.60 12.70 12.80



Time-->



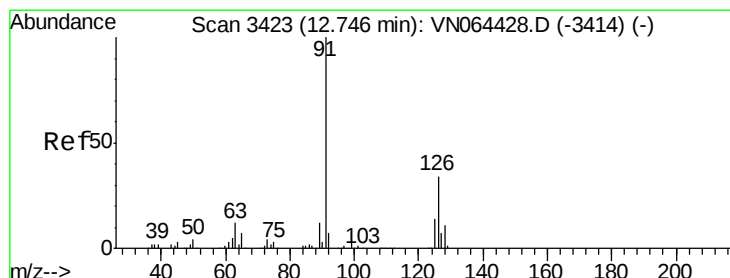
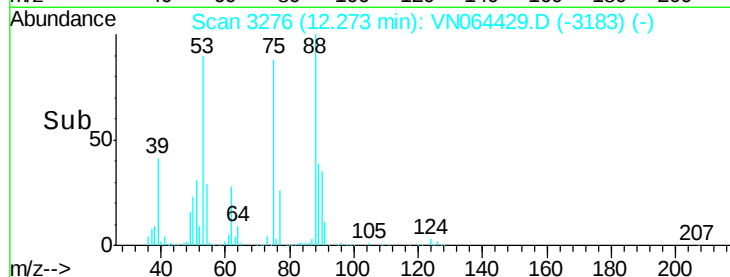
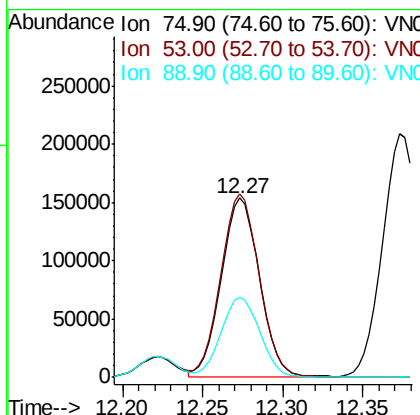
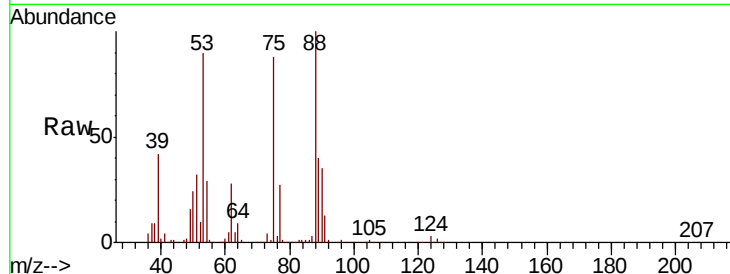
#81
trans-1,4-Dichloro-2-butene
Concen: 109.116 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	84.0	126.0
89	46.2	36.3	54.5

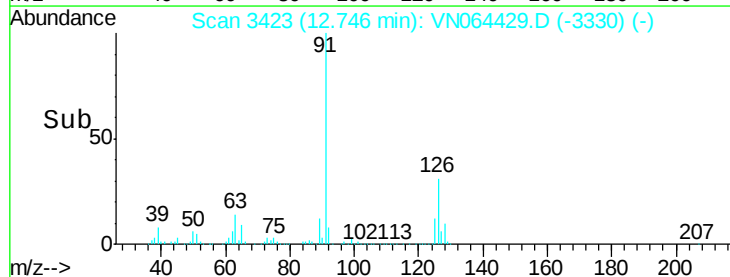
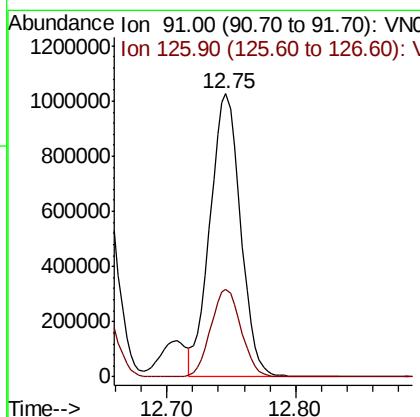
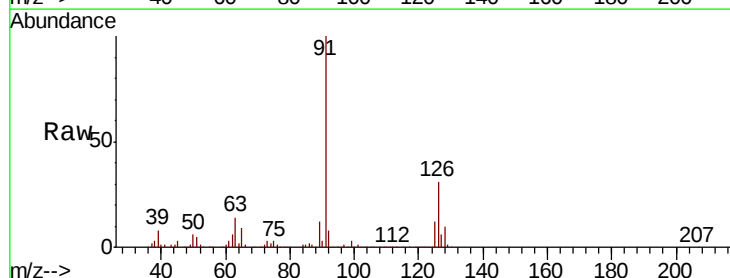
Manual Integrations
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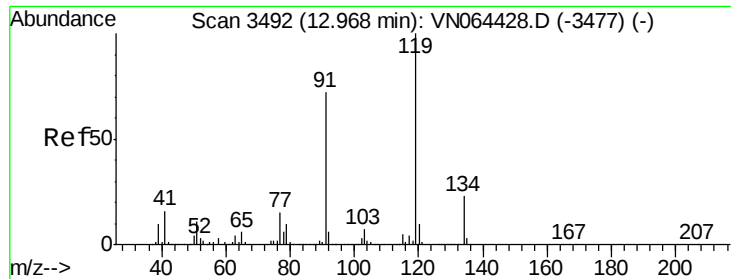
MMDadoda
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#82
4-Chlorotoluene
Concen: 109.792 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.2





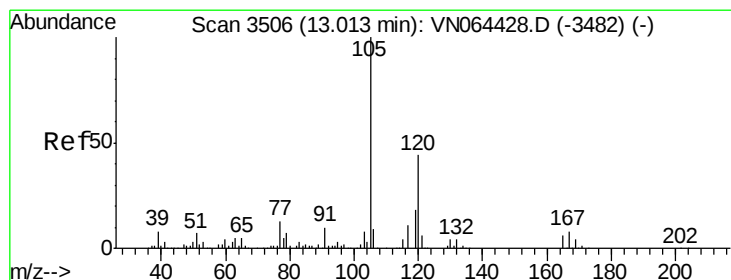
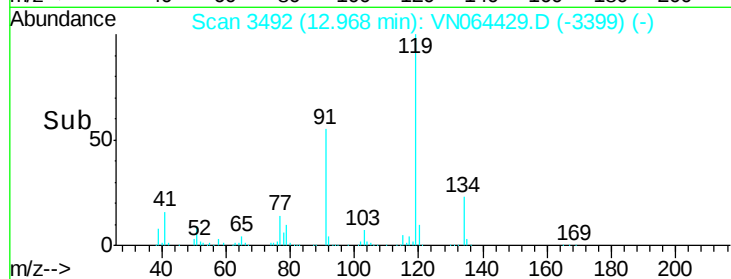
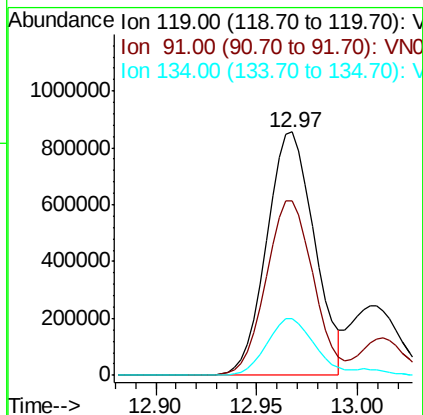
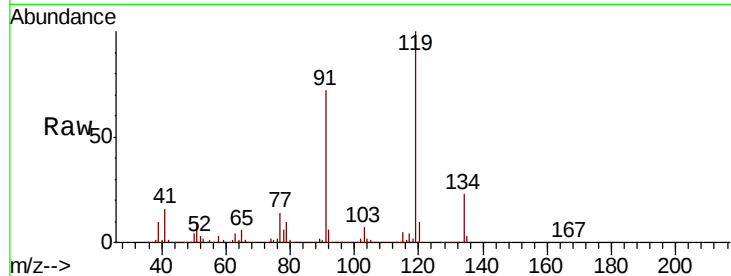
#83
tert-Butylbenzene
Concen: 99.115 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.1	108.3
134	23.4	11.7	35.1

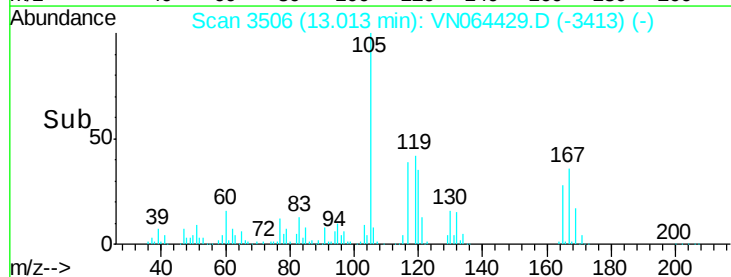
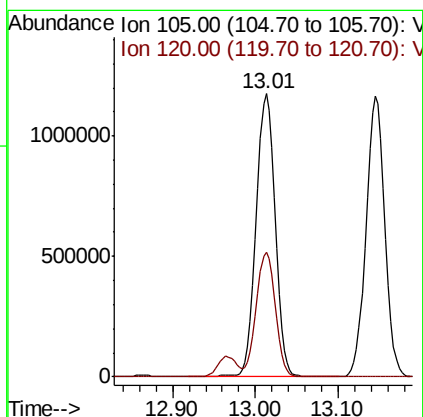
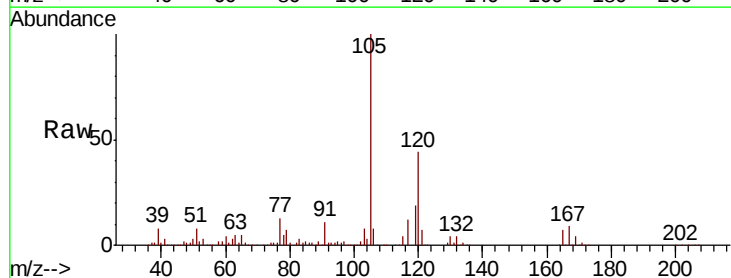
Manual Integrations
APPROVED

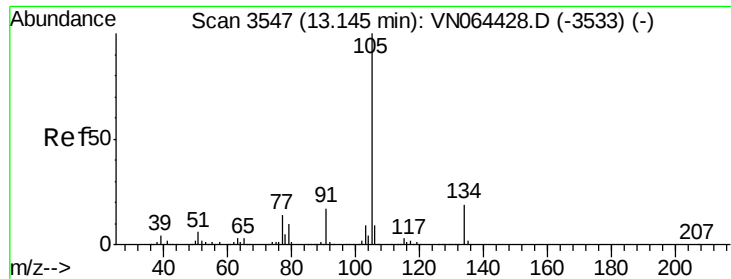
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11/5/2020 2:19:19 PM



#84
1,2,4-Trimethylbenzene
Concen: 107.205 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





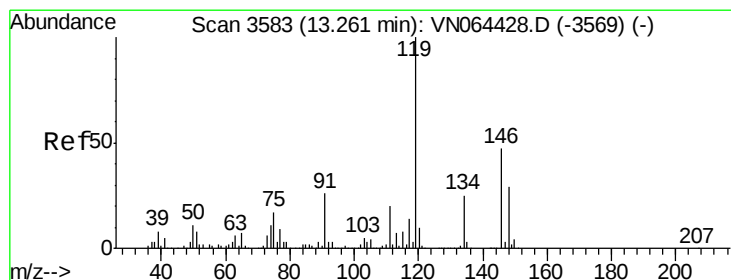
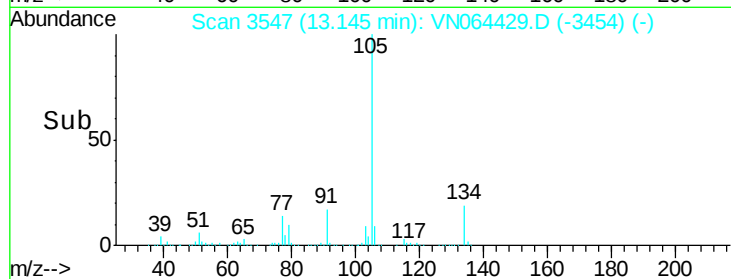
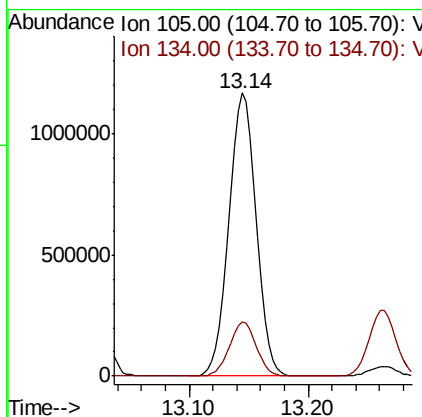
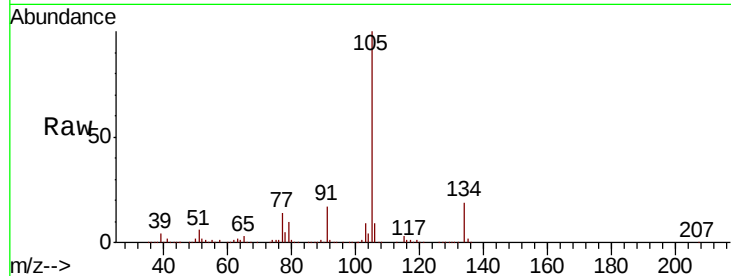
#85
 sec-Butylbenzene
 Concen: 100.619 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1852382
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2

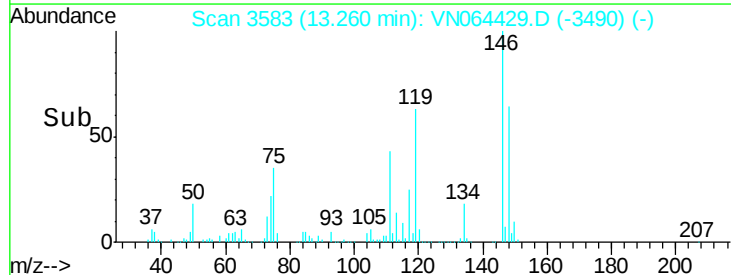
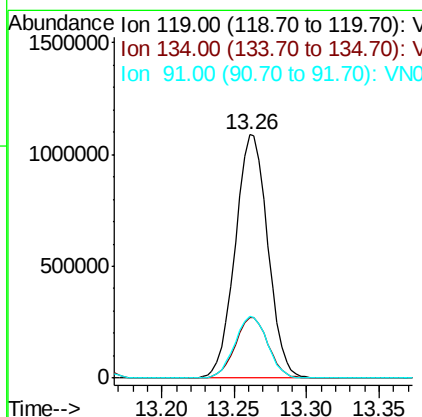
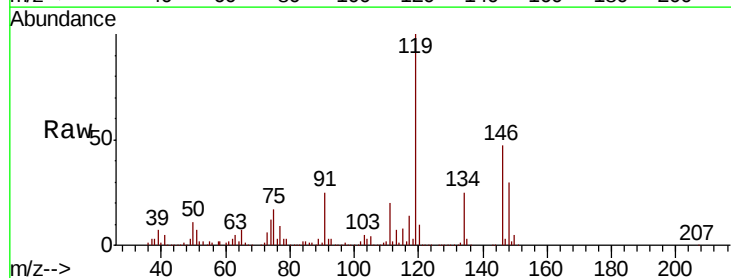
Manual Integrations
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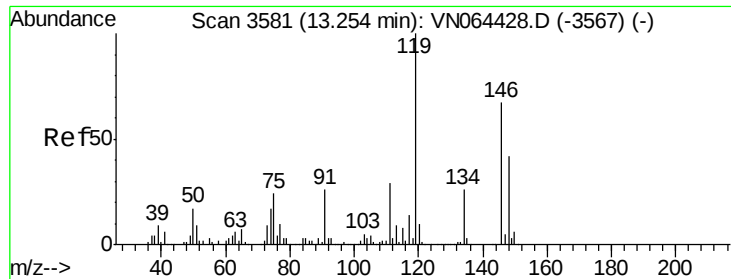
MMDadoda
 11/5/2020 2:19:19 PM



#86
 p-Isopropyltoluene
 Concen: 102.612 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion:119 Resp: 1696938
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.6 37.6
 91 25.4 12.8 38.3





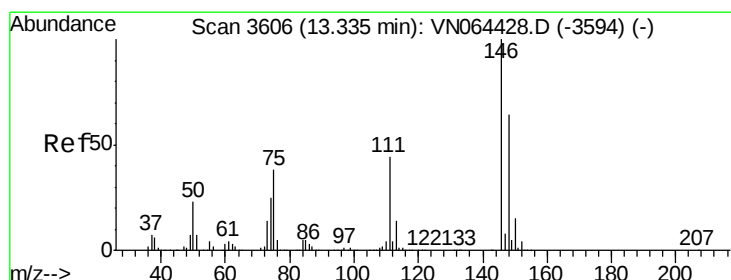
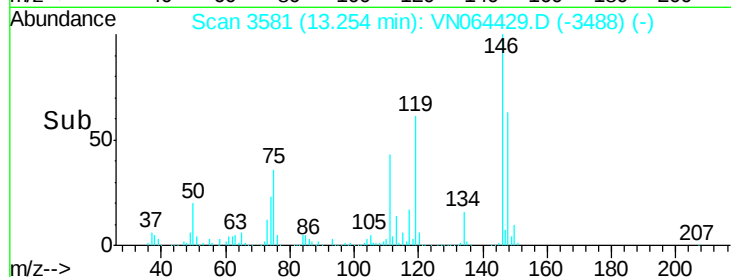
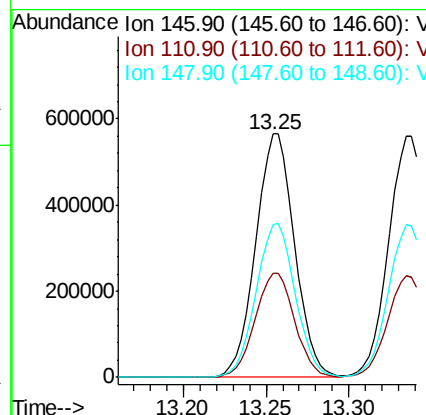
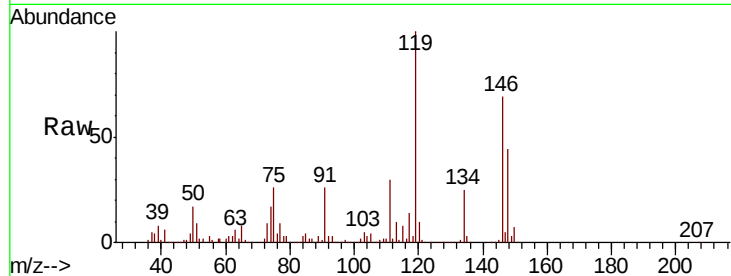
#87
 1,3-Dichlorobenzene
 Concen: 104.681 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.1	66.1
148	63.8	31.7	95.1

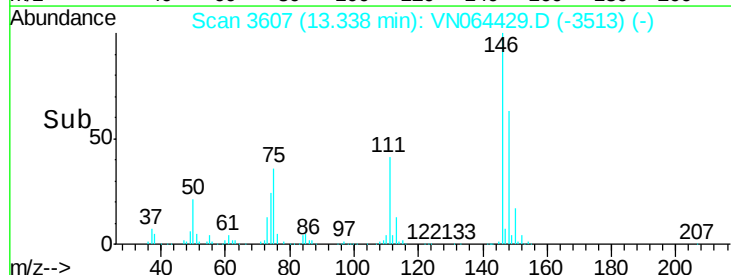
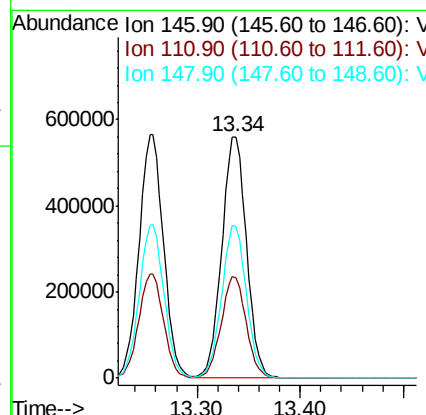
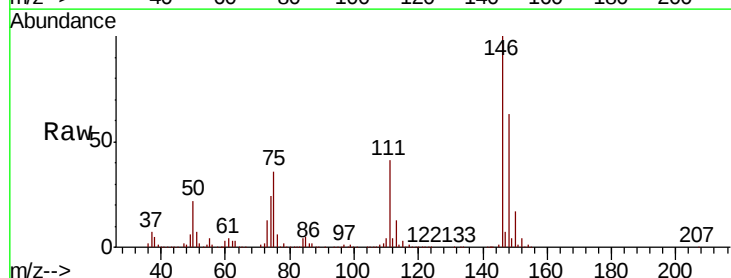
Manual Integrations
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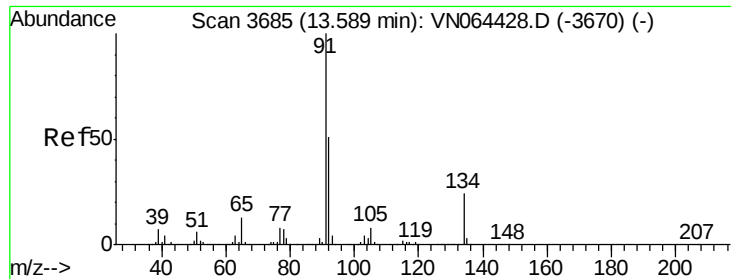
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 11/5/2020 2:19:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 103.646 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.8	65.3
148	63.2	32.4	97.2





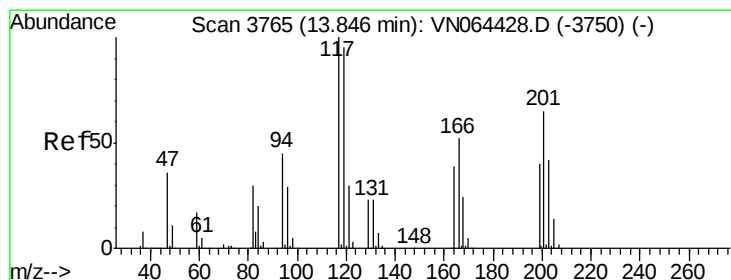
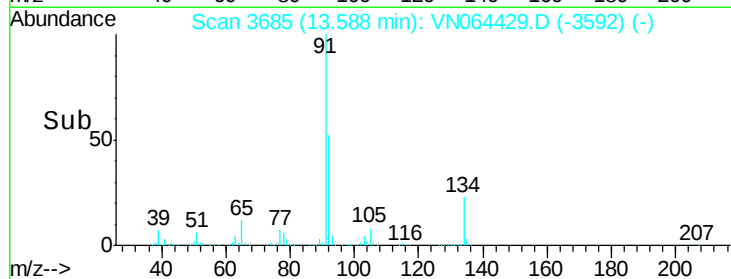
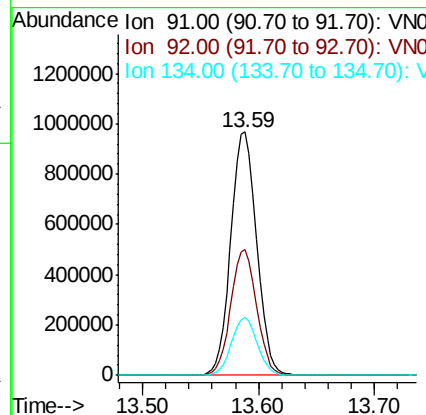
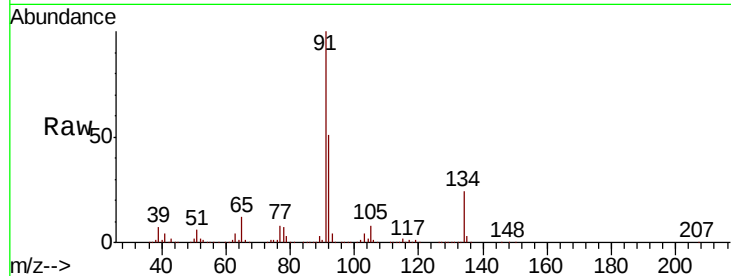
#89
n-Butylbenzene
Concen: 102.346 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1492822
Ion Ratio Lower Upper
91 100
92 51.8 25.3 75.9
134 23.7 11.8 35.4

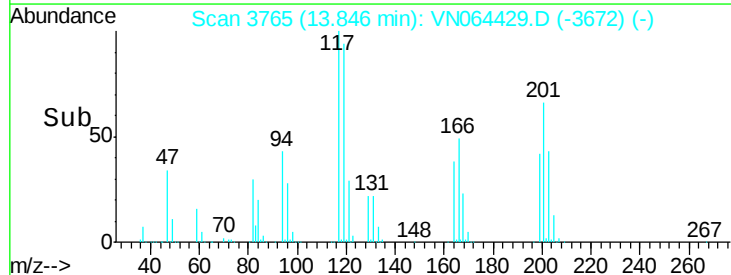
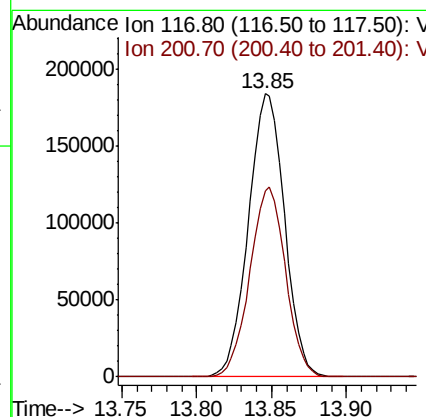
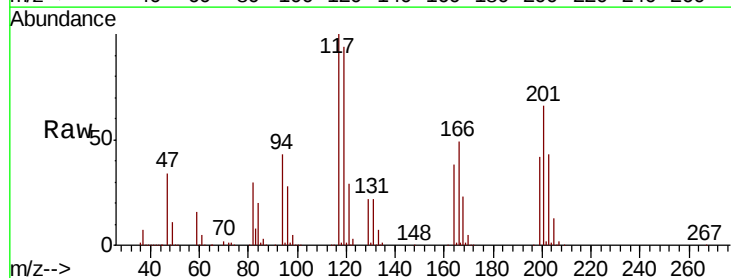
Manual Integrations
APPROVED

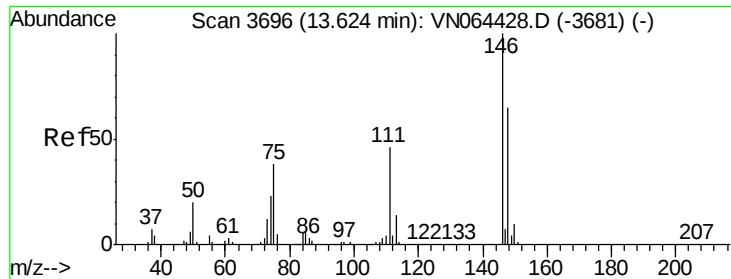
MMDadoda
11/5/2020 2:19:19 PM



#90
Hexachloroethane
Concen: 100.130 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion: 117 Resp: 309107
Ion Ratio Lower Upper
117 100
201 66.1 32.5 97.5





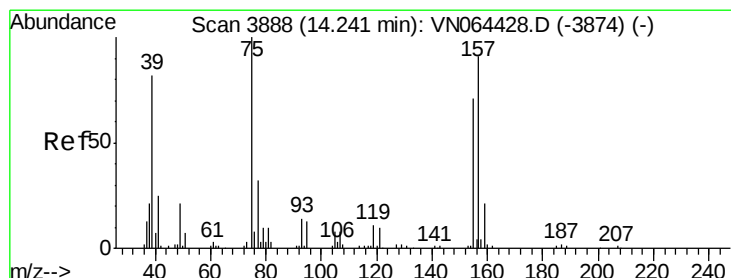
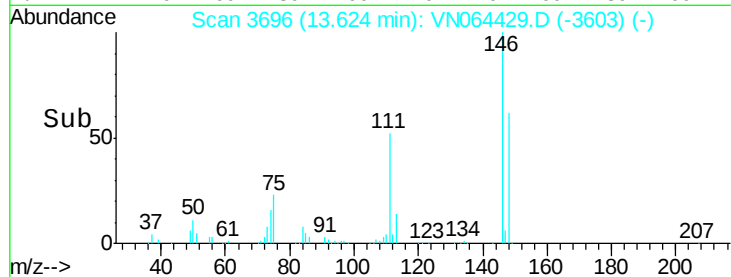
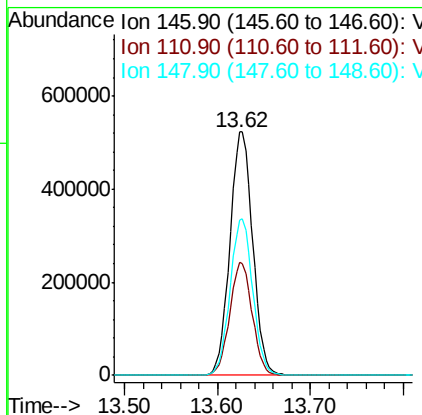
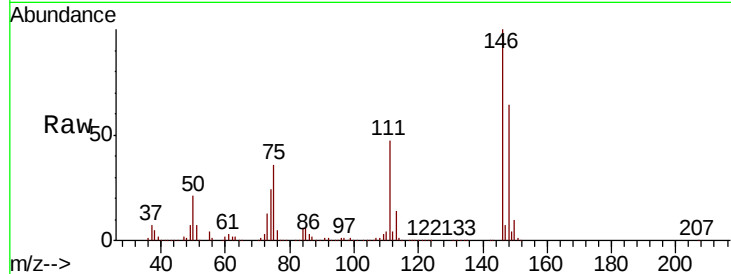
#91
 1,2-Dichlorobenzene
 Concen: 101.324 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.7
148	64.2	32.0	96.2

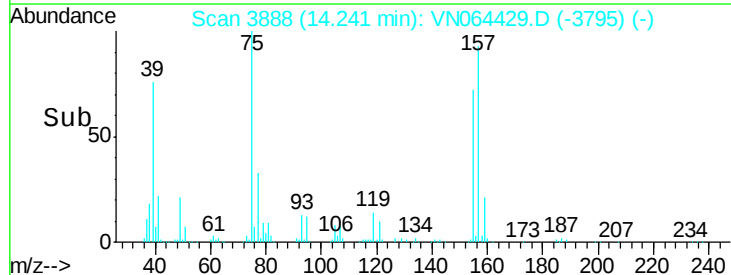
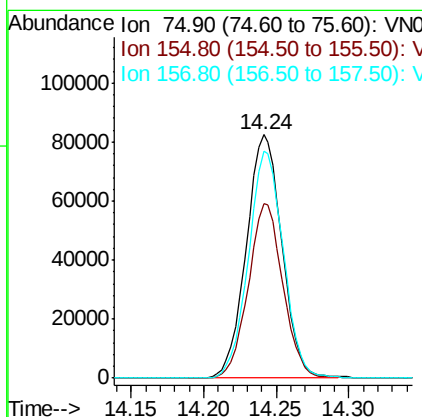
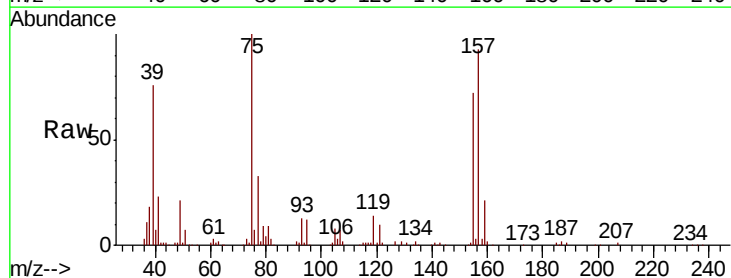
Manual Integrations
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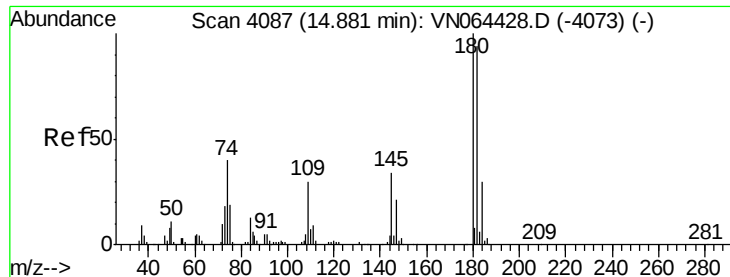
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.599 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.6	103.9
157	91.4	43.0	128.8





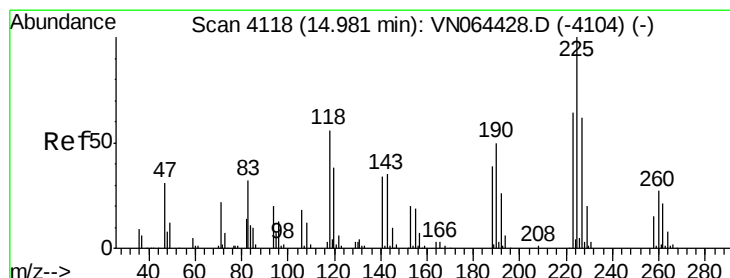
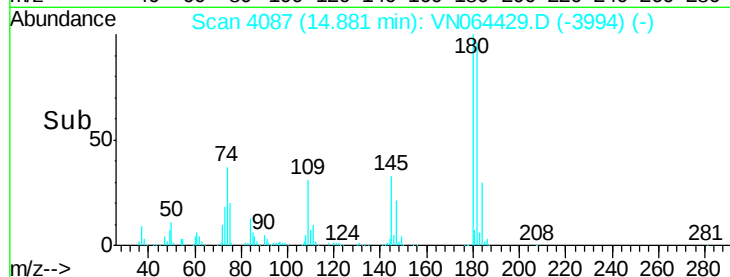
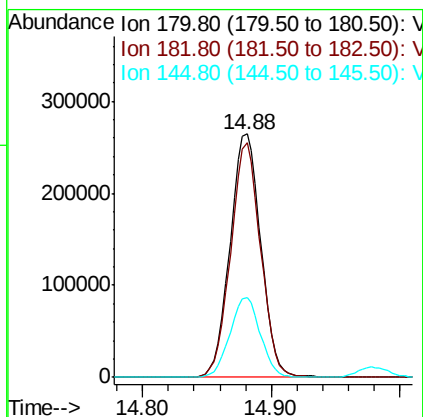
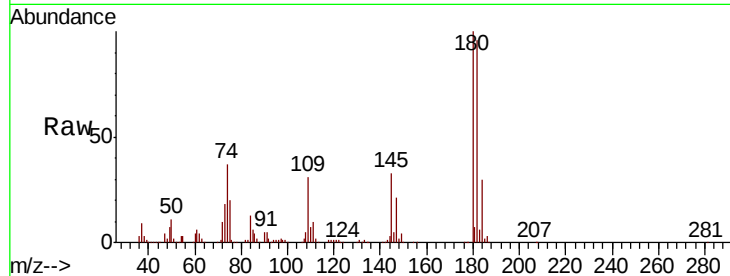
#93
 1,2,4-Trichlorobenzene
 Concen: 103.646 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	437774		
182	93.8	47.3	142.0	
145	32.5	16.7	50.1	

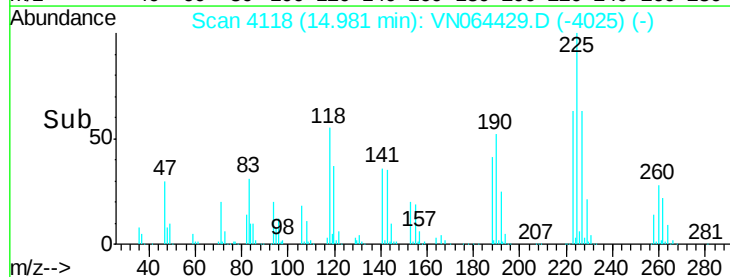
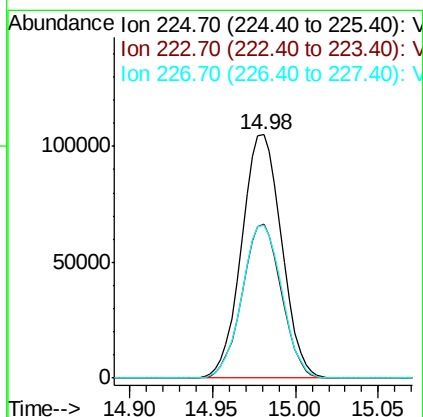
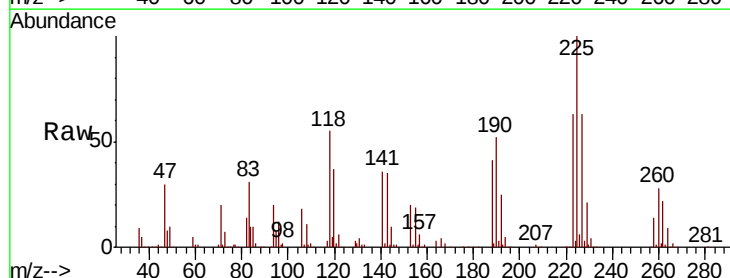
Manual Integrations
 APPROVED

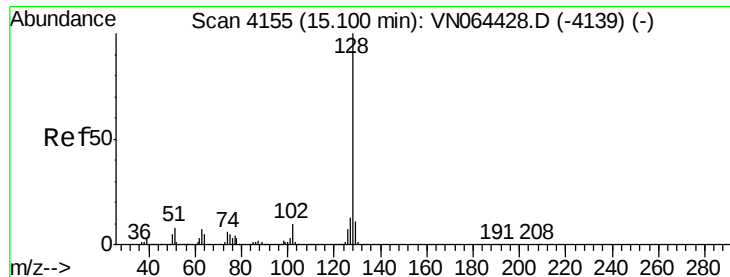
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 69.254 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064429.D
 Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176607		
223	62.0	31.8	95.4	
227	62.8	31.8	95.4	





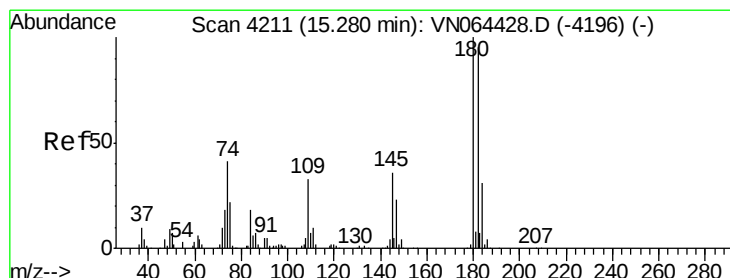
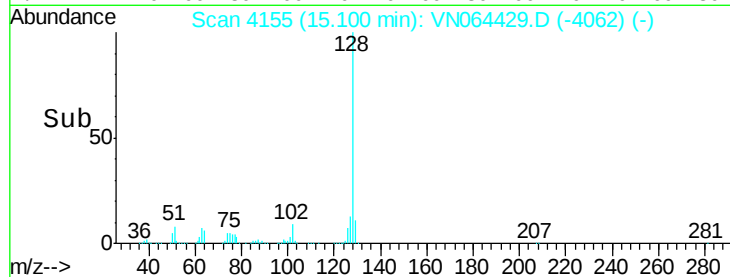
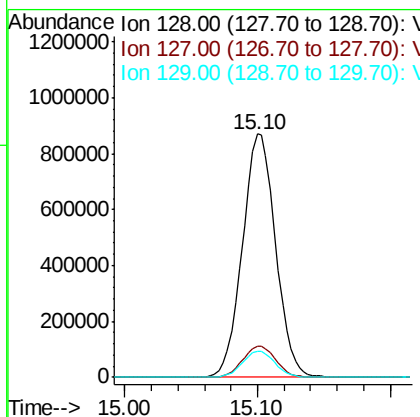
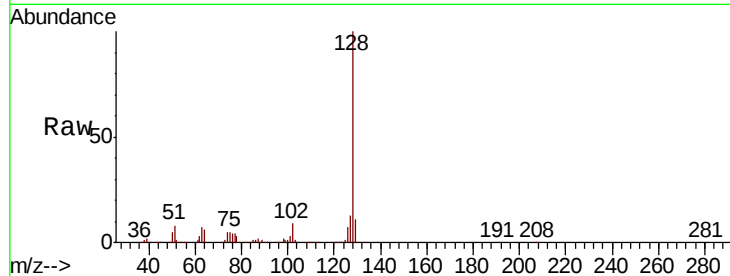
#95
Naphthalene
Concen: 114.117 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 103.725 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064429.D
Acq: 4 Nov 2020 11:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.7	143.1
145	34.7	18.3	54.8

