

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062969.D
 Acq On : 17 Aug 2020 13:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:46 AM

Quant Time: Aug 17 15:07:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	244165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	16830	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
35) Dibromofluoromethane	7.55	113	13265	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	
50) Toluene-d8	10.06	98	49810	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	
62) 4-Bromofluorobenzene	12.38	95	12911	3.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	8805	2.609	ug/l 95
3) Chloromethane	2.03	50	10821	3.367	ug/l 100
4) Vinyl Chloride	2.16	62	14227	4.478	ug/l 98
5) Bromomethane	2.51	94	10190	4.836	ug/l 99
6) Chloroethane	2.66	64	10927	5.244	ug/l 96
7) Trichlorofluoromethane	2.98	101	20436	3.777	ug/l 99
8) Diethyl Ether	3.37	74	6513	4.237	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10619	4.396	ug/l 100
10) Methyl Iodide	3.91	142	13748	5.093	ug/l 99
11) Tert butyl alcohol	4.73	59	13472	22.159	ug/l # 79
12) 1,1-Dichloroethene	3.69	96	10011	4.368	ug/l 95
13) Acrolein	3.57	56	5842	15.483	ug/l 96
14) Allyl chloride	4.28	41	16372	3.966	ug/l 97
15) Acrylonitrile	4.93	53	26145	17.728	ug/l 97
16) Acetone	3.78	43	20191	14.701	ug/l 94
17) Carbon Disulfide	4.01	76	30440	4.510	ug/l 98
18) Methyl Acetate	4.28	43	13073	3.534	ug/l 94
19) Methyl tert-butyl Ether	4.99	73	29865	3.310	ug/l 97
20) Methylene Chloride	4.50	84	14045	4.798	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	11138	4.625	ug/l 95
22) Diisopropyl ether	5.90	45	40889	4.676	ug/l # 75
23) Vinyl Acetate	5.85	43	154308	23.335	ug/l 96
24) 1,1-Dichloroethane	5.79	63	26572	5.155	ug/l 99
25) 2-Butanone	6.79	43	42990	22.214	ug/l 94
26) 2,2-Dichloropropane	6.78	77	19660	4.232	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	15075	5.244	ug/l 90
28) Bromochloromethane	7.15	49	12714	5.101	ug/l # 84
29) Tetrahydrofuran	7.17	42	28109	22.306	ug/l 88
30) Chloroform	7.33	83	26347	4.850	ug/l 95
31) Cyclohexane	7.62	56	23951	5.097	ug/l # 80
32) 1,1,1-Trichloroethane	7.53	97	21163	4.417	ug/l 96
36) 1,1-Dichloropropene	7.75	75	18021	5.038	ug/l 94
37) Ethyl Acetate	6.89	43	18519	5.044	ug/l # 95
38) Carbon Tetrachloride	7.73	117	19293	4.573	ug/l 95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	19180	4.355	ug/l	94
40) Benzene	8.00	78	57959	5.335	ug/l	97
41) Methacrylonitrile	7.13	41	5927	3.665	ug/l #	68
42) 1,2-Dichloroethane	8.09	62	20467	4.613	ug/l	97
43) Isopropyl Acetate	8.13	43	27194	4.449	ug/l #	87
44) Trichloroethene	8.80	130	14773	5.490	ug/l	92
45) 1,2-Dichloropropane	9.08	63	16187	5.550	ug/l	99
46) Dibromomethane	9.18	93	10124	5.292	ug/l	91
47) Bromodichloromethane	9.37	83	20285	4.798	ug/l	97
48) Methyl methacrylate	9.17	41	13494	4.503	ug/l #	84
49) 1,4-Dioxane	9.17	88	4787	85.142	ug/l #	87
51) 4-Methyl-2-Pentanone	9.95	43	85950	21.769	ug/l	91
52) Toluene	10.13	92	33383	4.968	ug/l	96
53) t-1,3-Dichloropropene	10.36	75	18307	3.953	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	21447	4.539	ug/l #	89
55) 1,1,2-Trichloroethane	10.53	97	11667	4.054	ug/l	97
56) Ethyl methacrylate	10.40	69	14035	3.328	ug/l	100
57) 1,3-Dichloropropane	10.68	76	18396	3.825	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.67	63	20988	17.984	ug/l	92
59) 2-Hexanone	10.72	43	40000	13.653	ug/l	97
60) Dibromochloromethane	10.87	129	12276	3.768	ug/l	99
61) 1,2-Dibromoethane	10.98	107	11410	4.024	ug/l	96
64) Tetrachloroethene	10.60	164	11304	5.834	ug/l	96
65) Chlorobenzene	11.41	112	30101	4.883	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	11977	4.875	ug/l	96
67) Ethyl Benzene	11.48	91	47424	4.359	ug/l	96
68) m/p-Xylenes	11.60	106	36484	9.148	ug/l	98
69) o-Xylene	11.92	106	16916	4.536	ug/l	98
70) Styrene	11.94	104	27389	4.181	ug/l	98
71) Bromoform	12.10	173	9574	4.717	ug/l #	94
73) Isopropylbenzene	12.22	105	43966	4.614	ug/l	100
74) N-amyl acetate	12.05	43	13625	3.667	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.48	83	15648	4.670	ug/l	95
76) 1,2,3-Trichloropropane	12.53	75	14692m	4.391	ug/l	
77) Bromobenzene	12.50	156	12869	5.298	ug/l	97
78) n-propylbenzene	12.57	91	47780	4.287	ug/l	98
79) 2-Chlorotoluene	12.65	91	30874	4.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	36266	4.396	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	4413	4.059	ug/l	98
82) 4-Chlorotoluene	12.75	91	30202	4.204	ug/l	98
83) tert-Butylbenzene	12.97	119	32207	4.592	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	33533	4.246	ug/l	100
85) sec-Butylbenzene	13.15	105	41096	4.467	ug/l	100
86) p-Isopropyltoluene	13.26	119	34503	4.221	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	20968	4.871	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	21705	5.011	ug/l	96
89) n-Butylbenzene	13.59	91	26086	3.799	ug/l	96
90) Hexachloroethane	13.85	117	7991	4.569	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	19937	4.923	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2236	3.233	ug/l	94

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ClientSampleId :
VSTDICC005

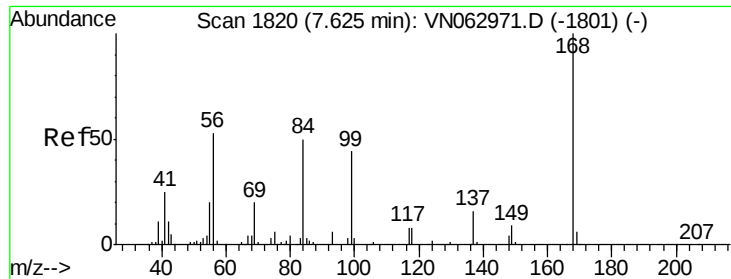
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6118	3.191	ug/l	98
94) Hexachlorobutadiene	14.99	225	8071	5.614	ug/l	97
95) Naphthalene	15.11	128	13130	2.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	6687	3.604	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 244165

Ion Ratio Lower Upper

168 100

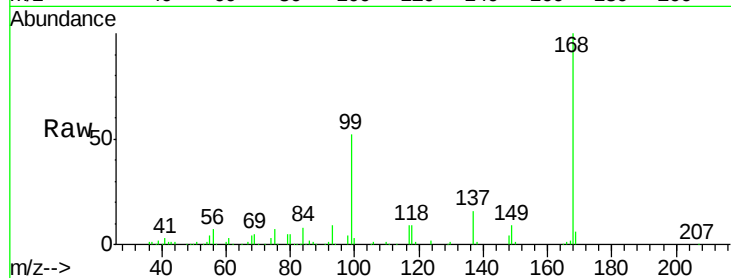
99 51.6 39.4 59.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

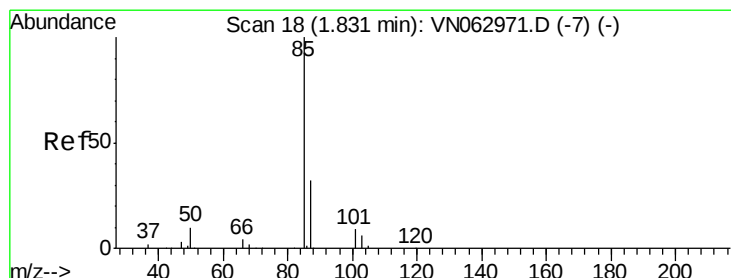
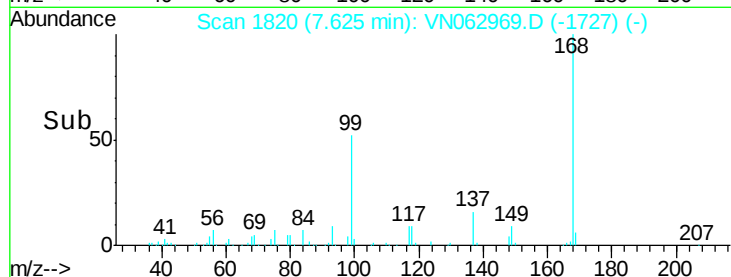
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.609 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062969.D

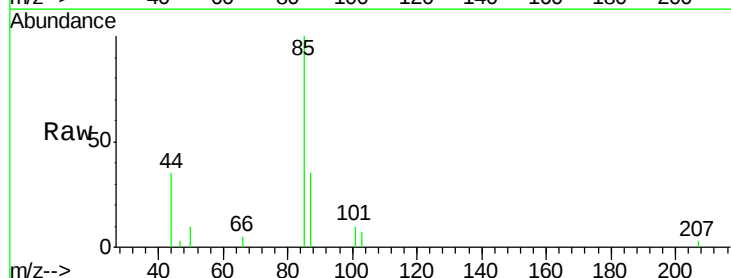
Acq: 17 Aug 2020 13:50

Tgt Ion: 85 Resp: 8805

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

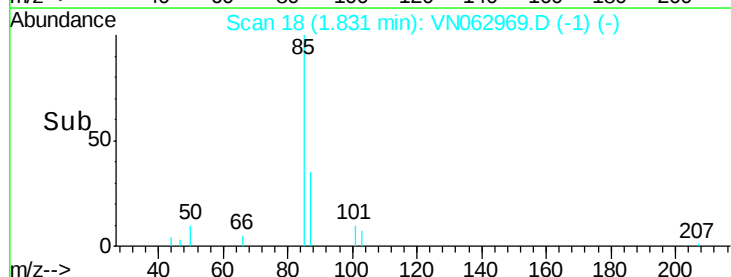
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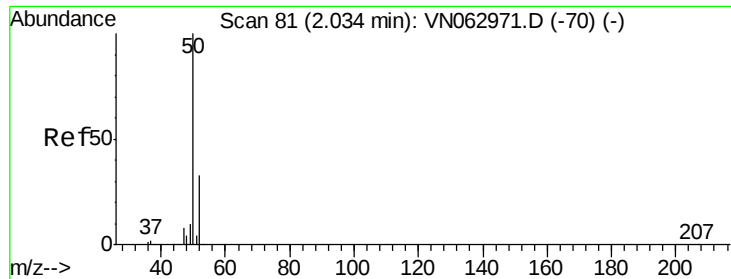
4000

2000

0

Time-->





#3

Chloromethane

Concen: 3.367 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10821

Ion Ratio Lower Upper

50 100

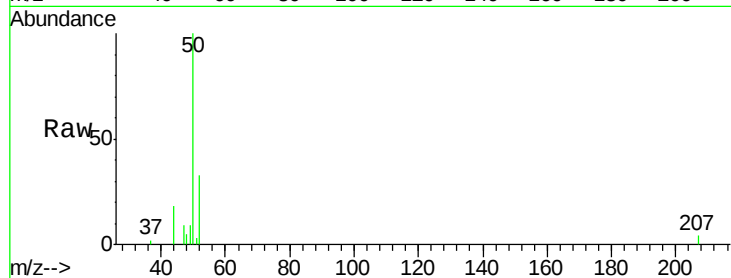
52 32.5 26.2 39.2

Manual Integrations

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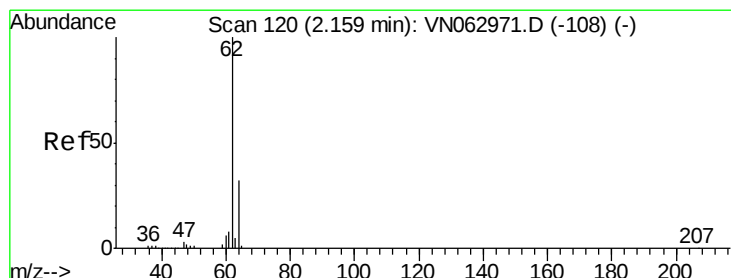
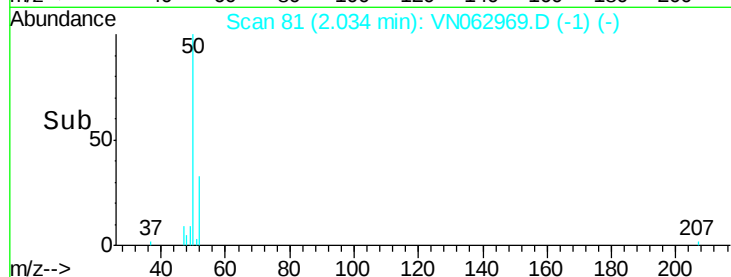
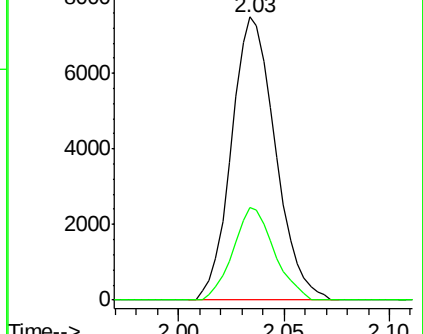
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.478 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN062969.D

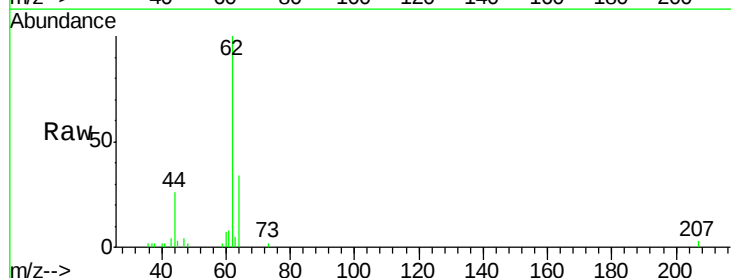
Acq: 17 Aug 2020 13:50

Tgt Ion: 62 Resp: 14227

Ion Ratio Lower Upper

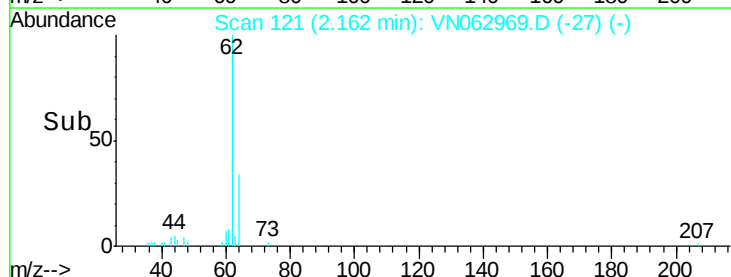
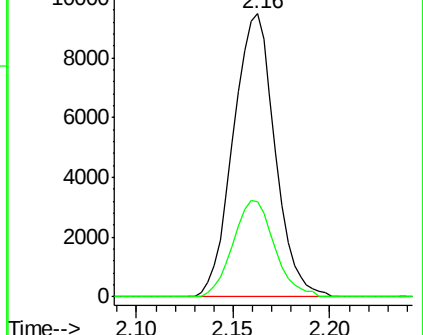
62 100

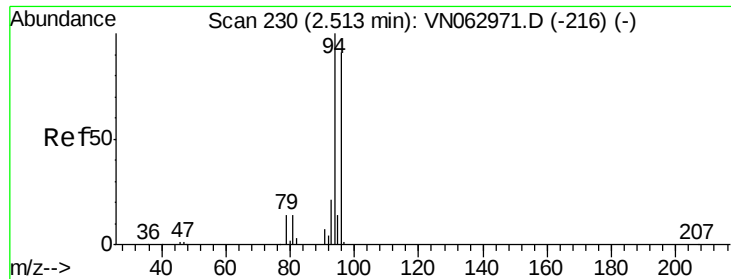
64 33.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 4.836 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10190

Ion Ratio Lower Upper

94 100

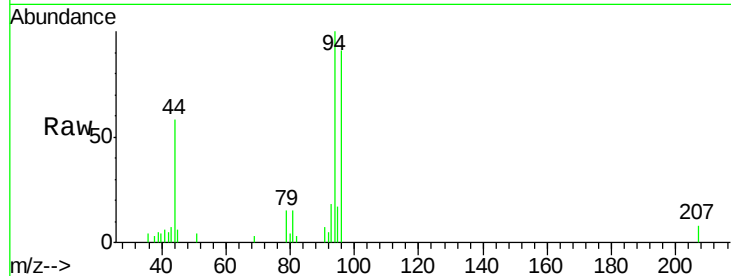
96 90.6 72.9 109.3

Manual Integrations

APPROVED

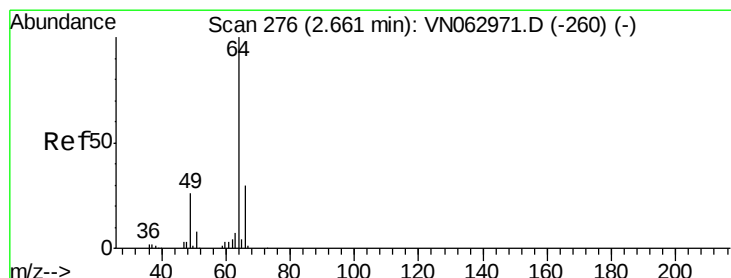
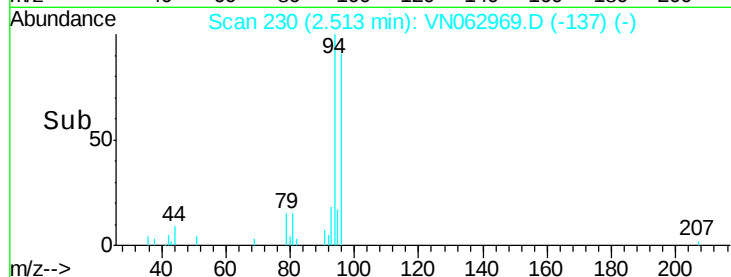
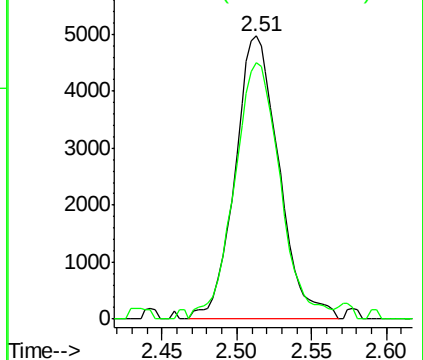
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.244 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062969.D

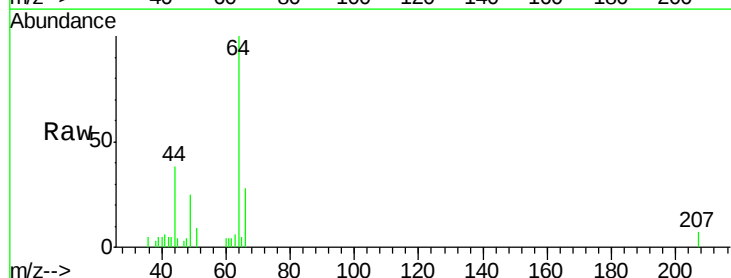
Acq: 17 Aug 2020 13:50

Tgt Ion: 64 Resp: 10927

Ion Ratio Lower Upper

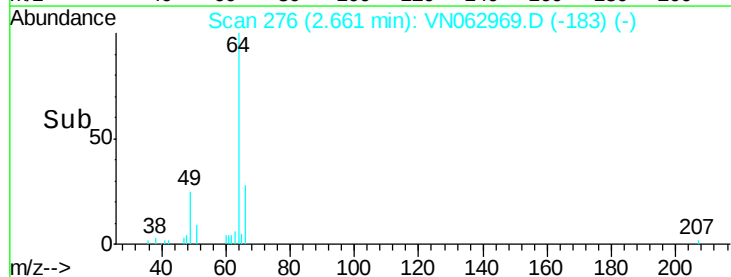
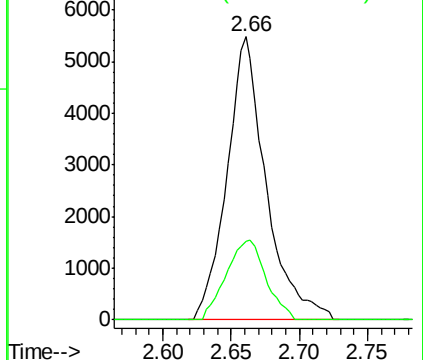
64 100

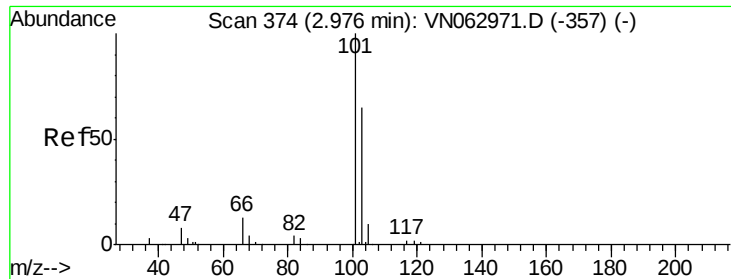
66 27.7 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

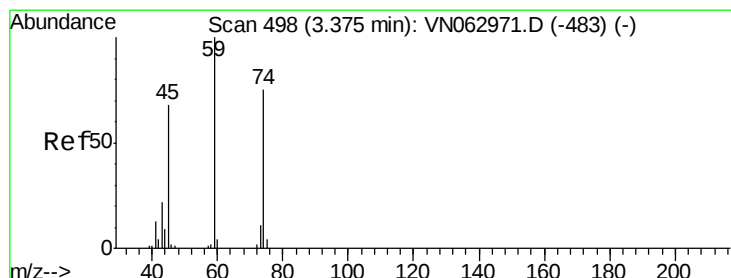
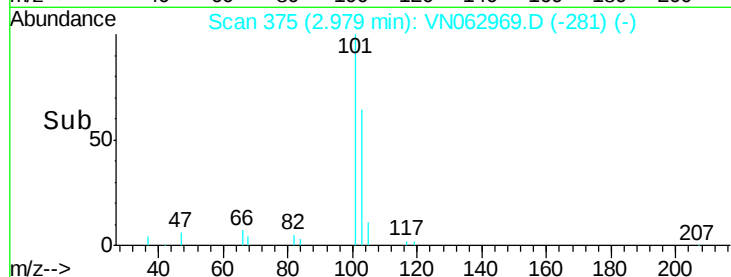
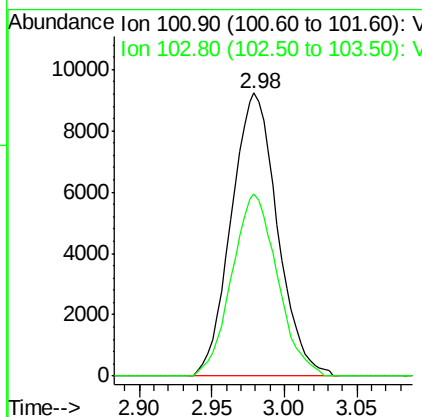
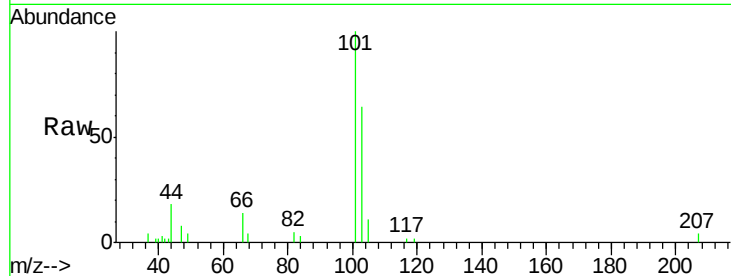
Trichlorofluoromethane
 Concen: 3.777 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

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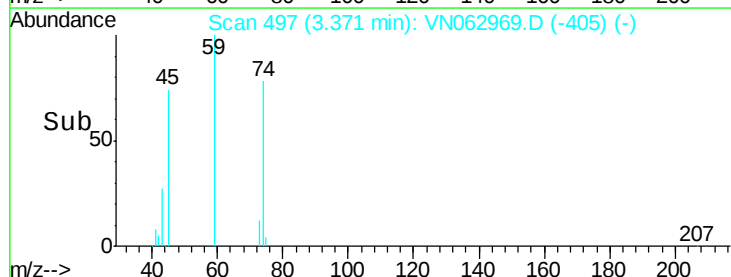
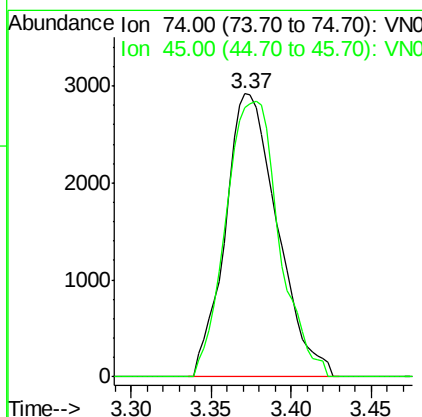
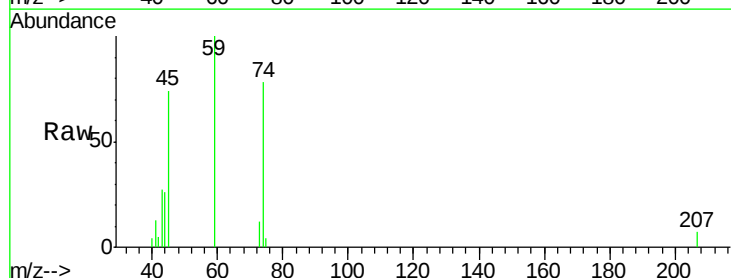
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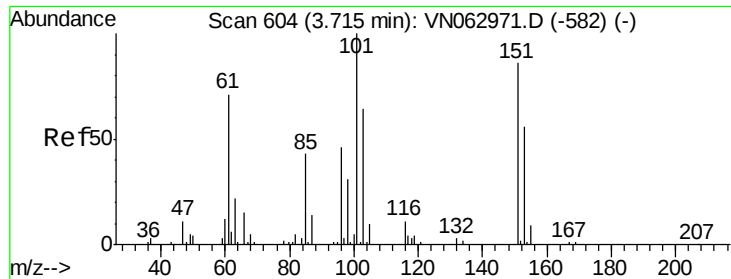


#8

Diethyl Ether
 Concen: 4.237 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.396 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

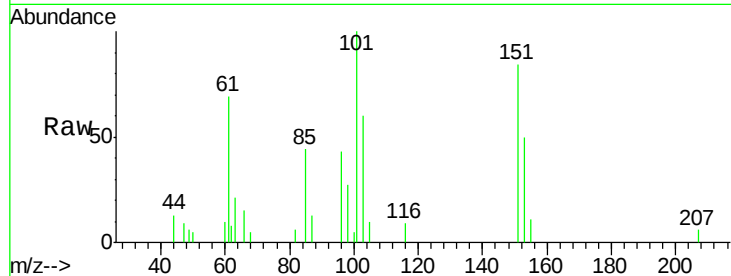
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	10619
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.1	51.1
151	86.0	69.3	103.9

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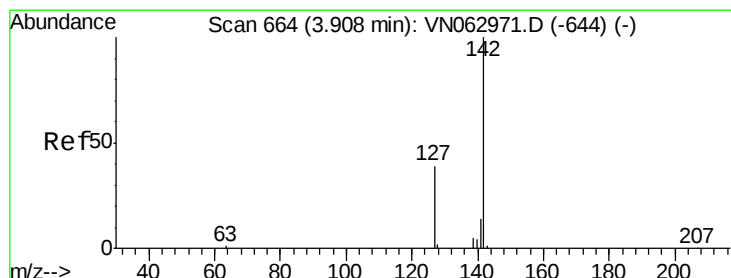
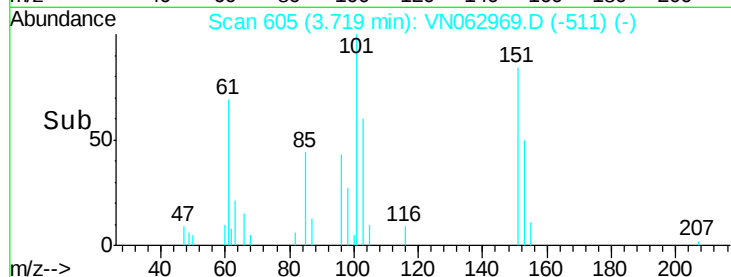
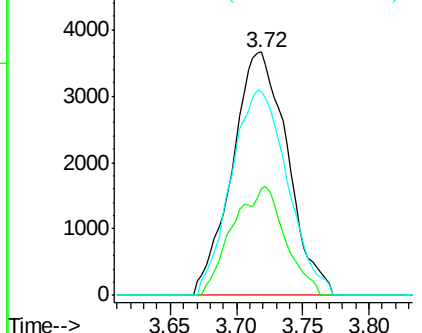
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.093 ug/l

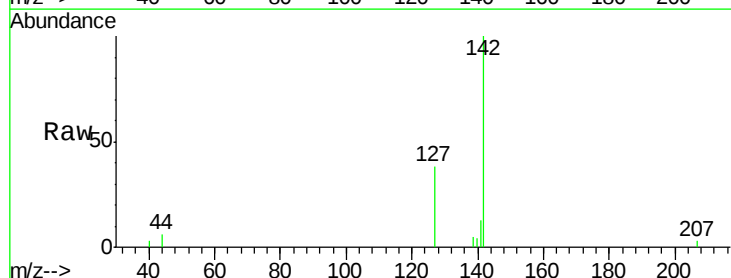
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

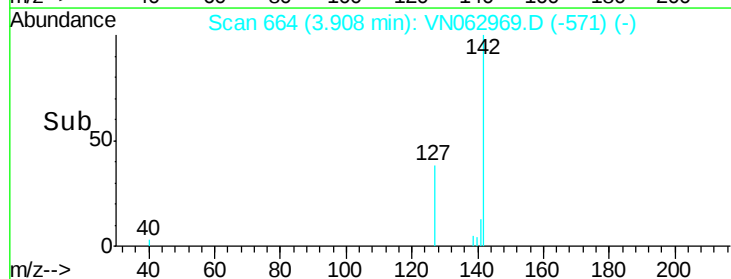
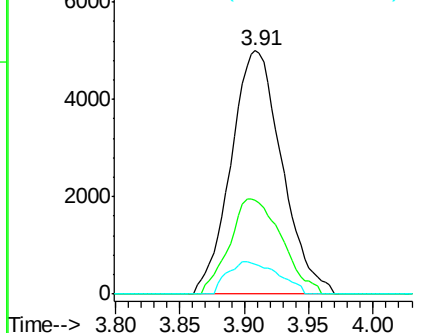
Tgt Ion:	142	Resp:	13748
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.9	47.9
141	13.3	11.4	17.2

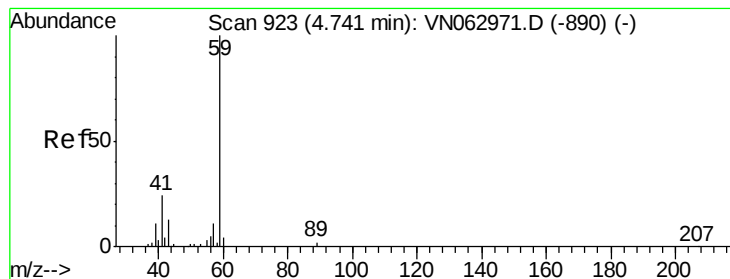


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

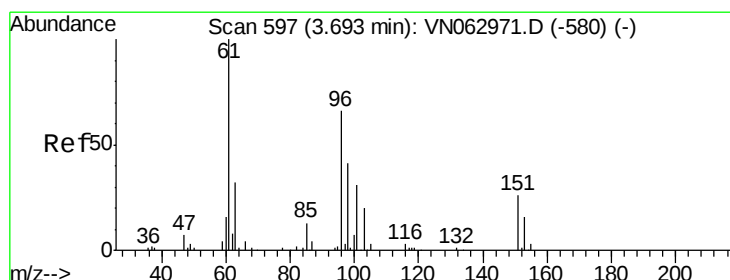
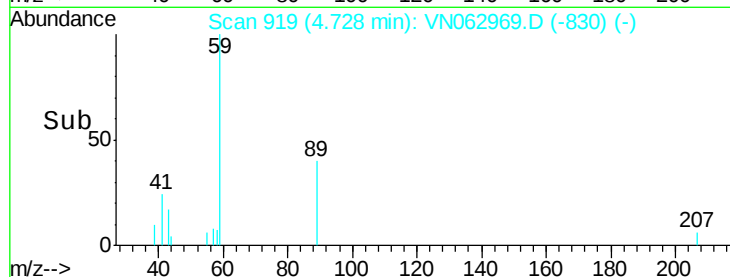
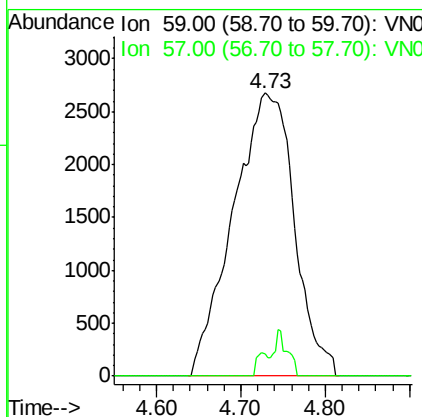
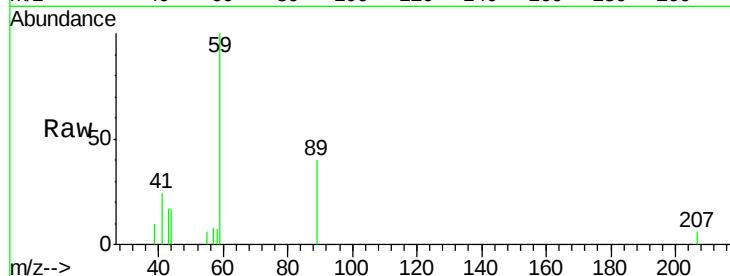
Tert butyl alcohol
 Concen: 22.159 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 13472
 Ion Ratio Lower Upper
 59 100
 57 1.6 7.6 11.4#

Manual Integrations
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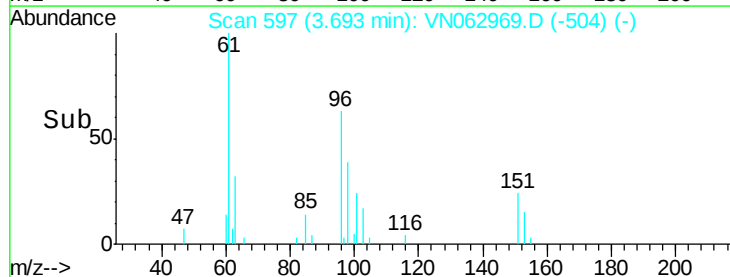
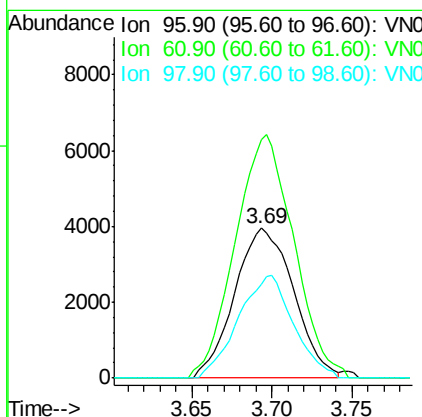
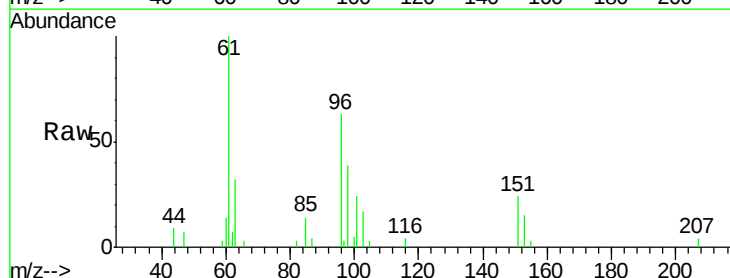
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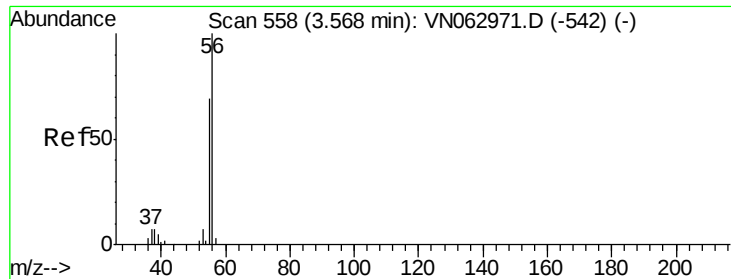


#12

1,1-Dichloroethene
 Concen: 4.368 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion: 96 Resp: 10011
 Ion Ratio Lower Upper
 96 100
 61 159.4 120.4 180.6
 98 62.7 49.8 74.6





#13

Acrolein

Concen: 15.483 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 5842

Ion Ratio Lower Upper

56 100

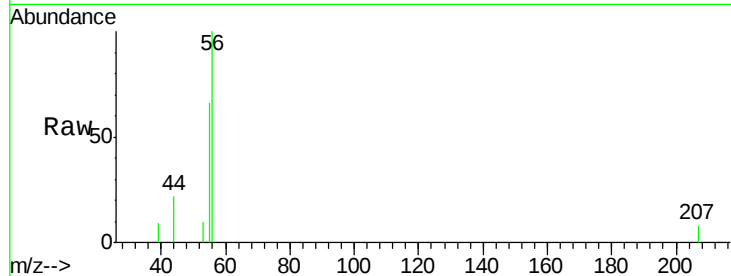
55 66.4 56.1 84.1

Manual Integrations

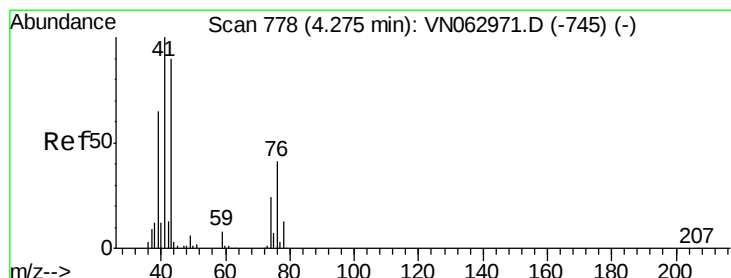
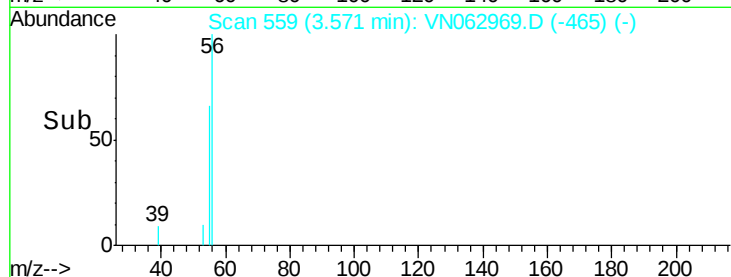
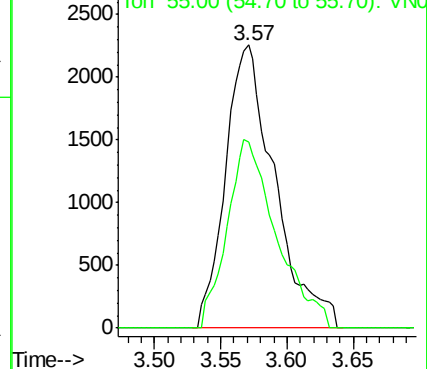
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Abundance Ion 56.00 (55.70 to 56.70): VN062969.D (-542) (-)



#14

Allyl chloride

Concen: 3.966 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

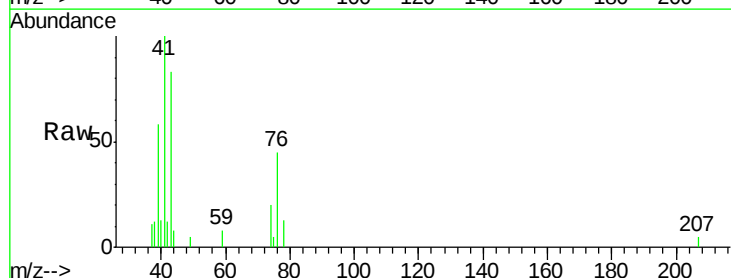
Tgt Ion: 41 Resp: 16372

Ion Ratio Lower Upper

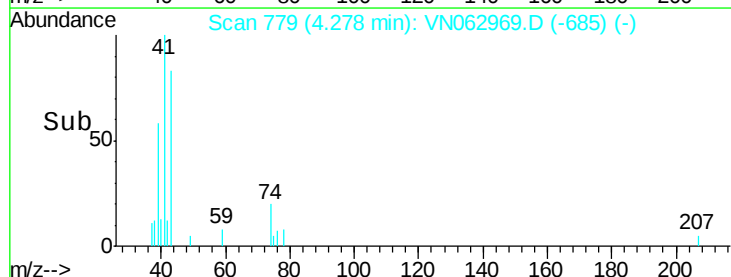
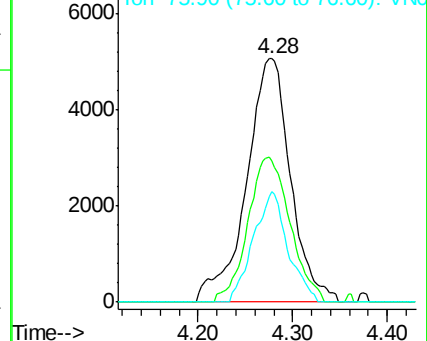
41 100

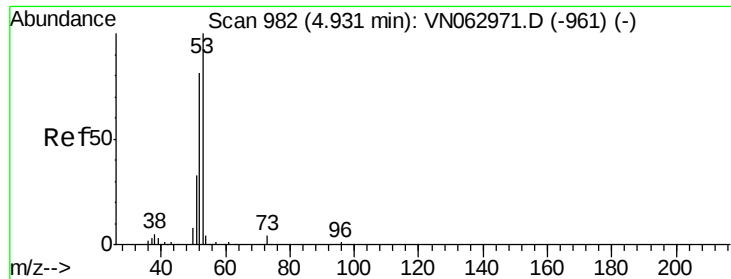
39 56.9 46.7 70.1

76 35.4 30.2 45.4



Abundance Ion 41.00 (40.70 to 41.70): VN062969.D (-685) (-)





#15

Acrylonitrile

Concen: 17.728 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

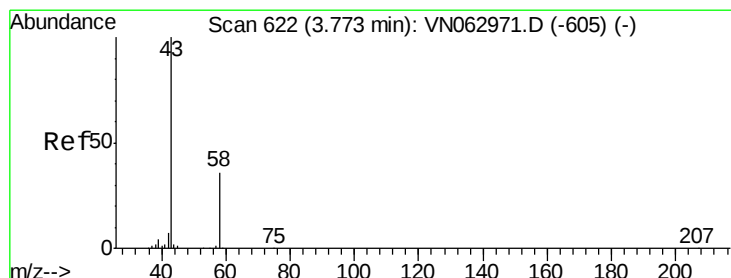
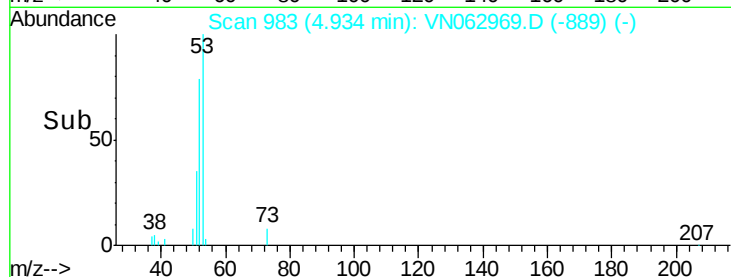
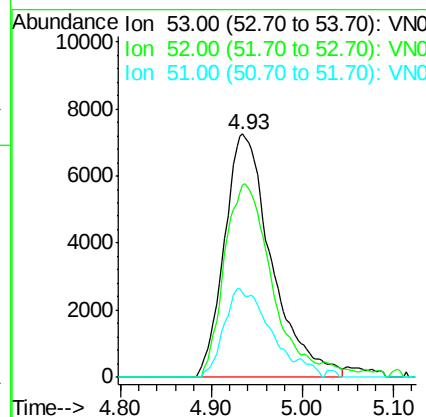
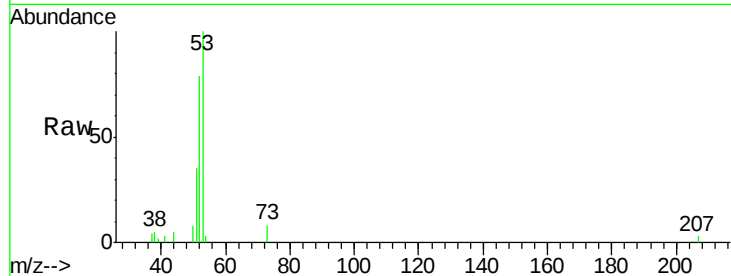
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26145
Ion Ratio	Lower	Upper	
53	100		
52	78.3	65.0	97.6
51	33.8	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 14.701 ug/l

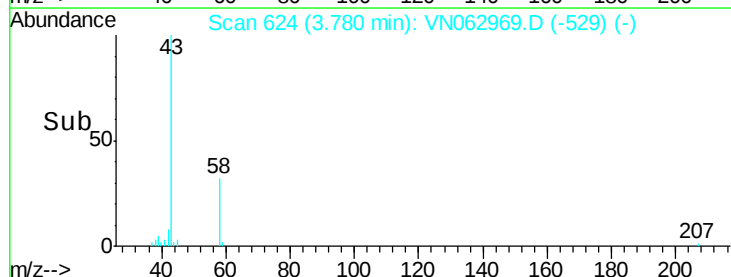
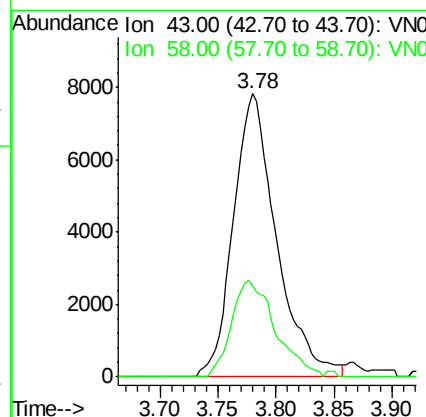
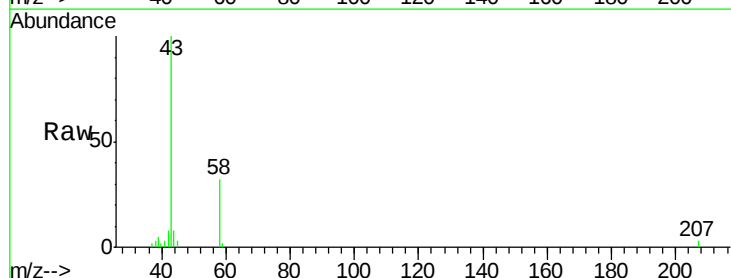
RT: 3.78 min Scan# 624

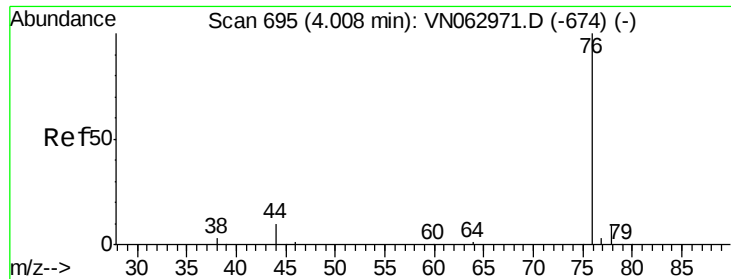
Delta R.T. 0.01 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	43	Resp:	20191
Ion Ratio	Lower	Upper	
43	100		
58	32.5	28.7	43.1





#17

Carbon Disulfide

Concen: 4.510 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 30440

Ion Ratio Lower Upper

76 100

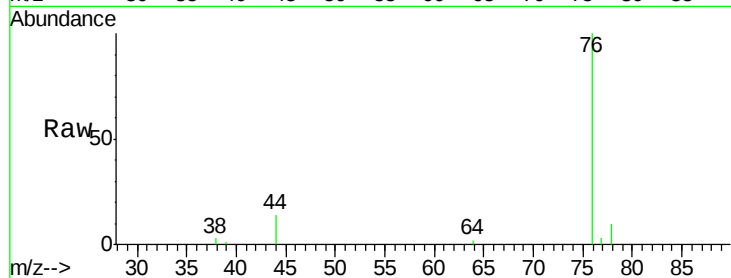
78 10.1 7.4 11.0

Manual Integrations

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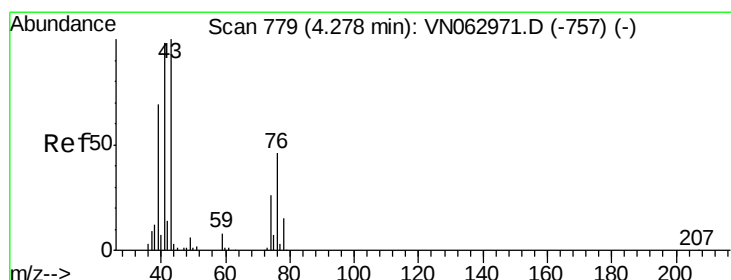
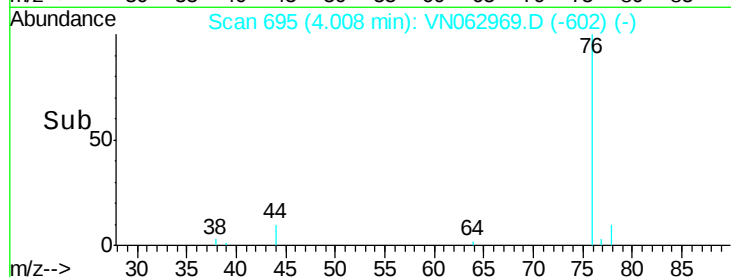
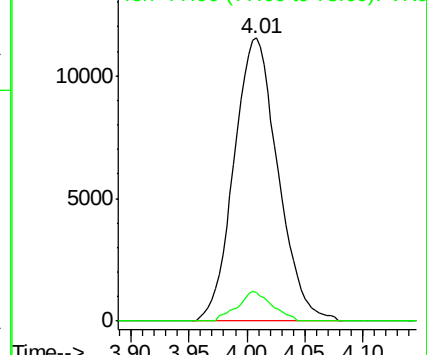
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Abundance Ion 75.90 (75.60 to 76.60): VN062971.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062971.D (-674) (-)



#18

Methyl Acetate

Concen: 3.534 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062969.D

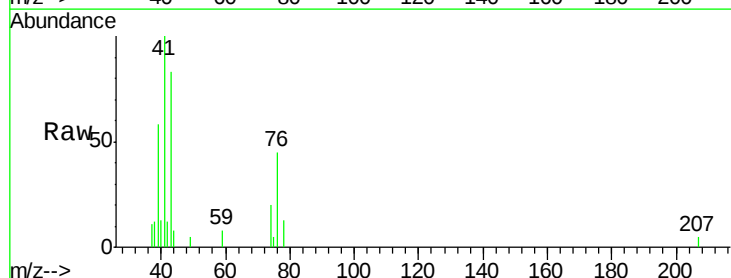
Acq: 17 Aug 2020 13:50

Tgt Ion: 43 Resp: 13073

Ion Ratio Lower Upper

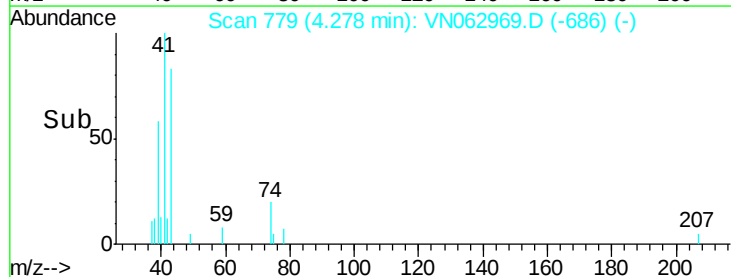
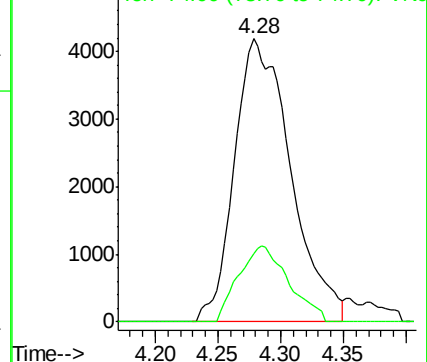
43 100

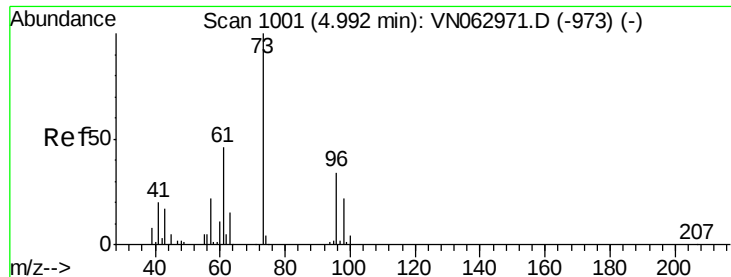
74 23.8 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN062971.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN062971.D (-757) (-)





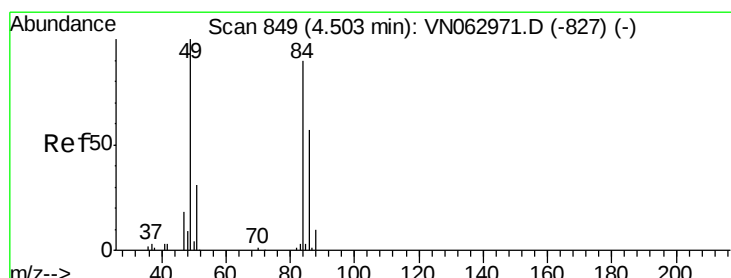
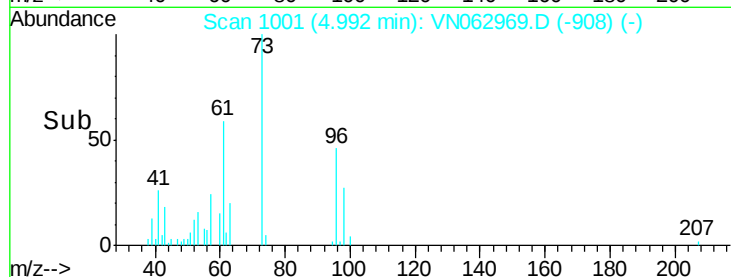
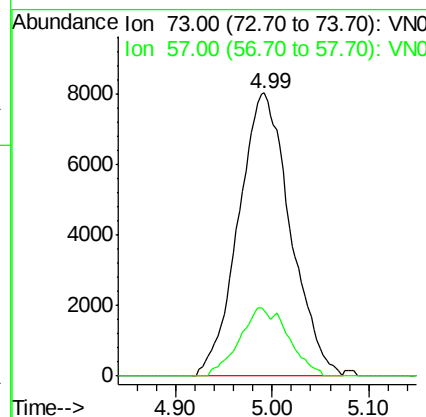
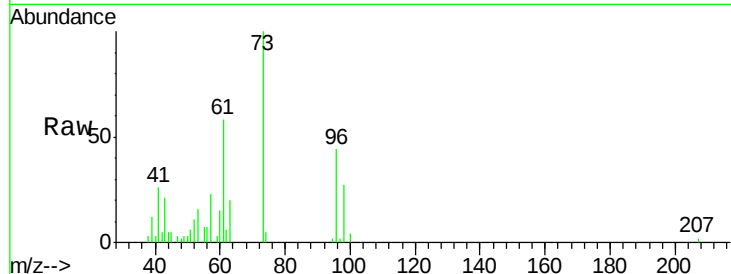
#19
Methvl tert-butvl Ether
Concen: 3.310 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 29865
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4

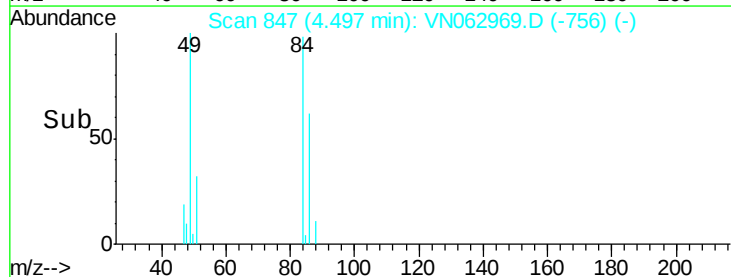
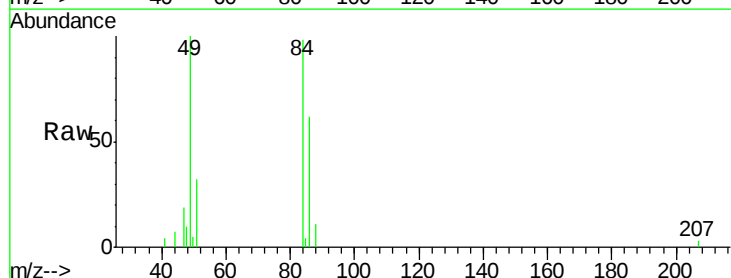
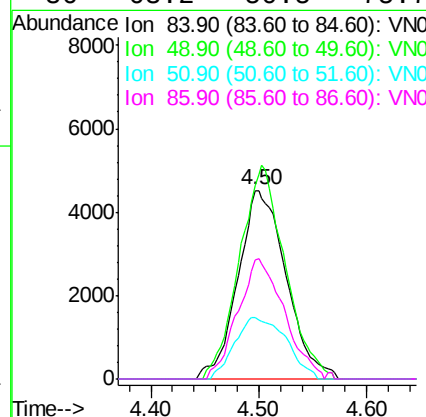
Manual Integrations
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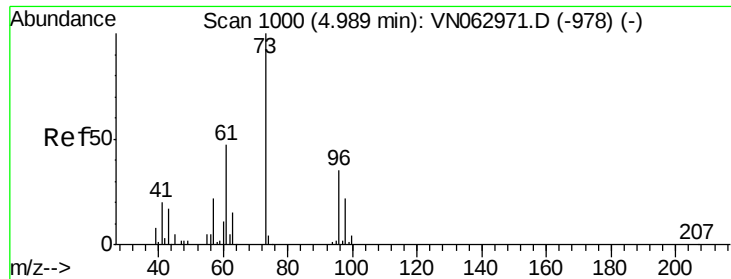
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#20
Methylene Chloride
Concen: 4.798 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion: 84 Resp: 14045
Ion Ratio Lower Upper
84 100
49 102.3 88.8 133.2
51 32.7 27.1 40.7
86 63.2 50.5 75.7





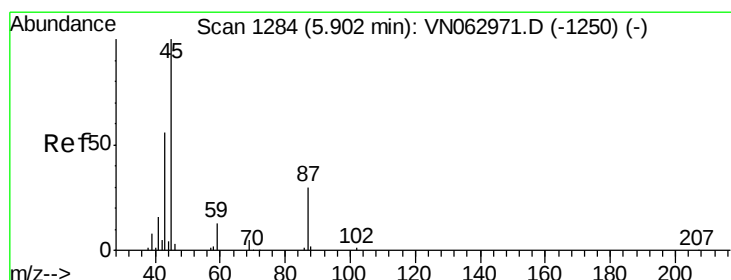
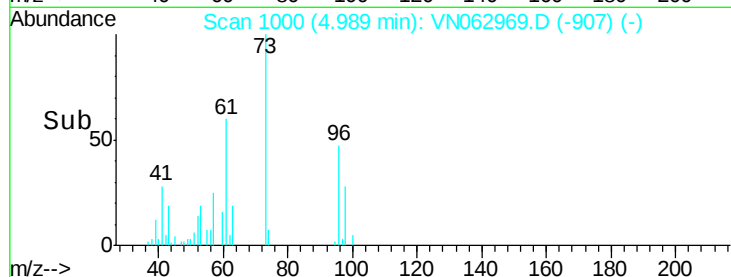
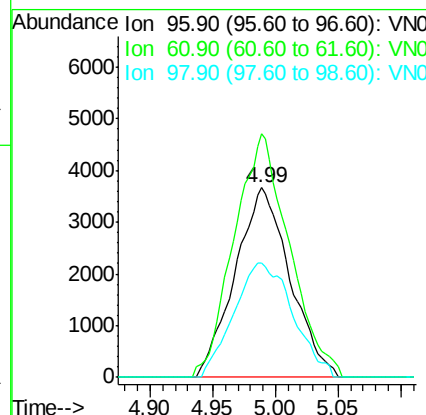
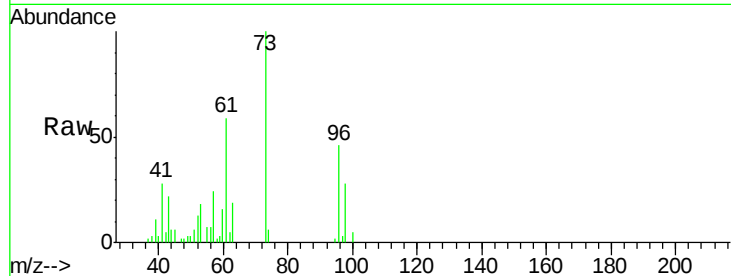
#21
trans-1,2-Dichloroethene
Concen: 4.625 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	107.7	161.5
98	60.1	51.0	76.4

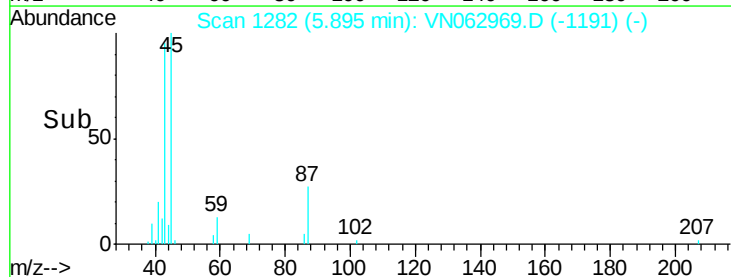
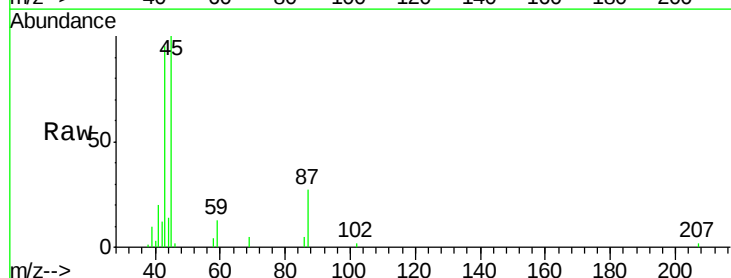
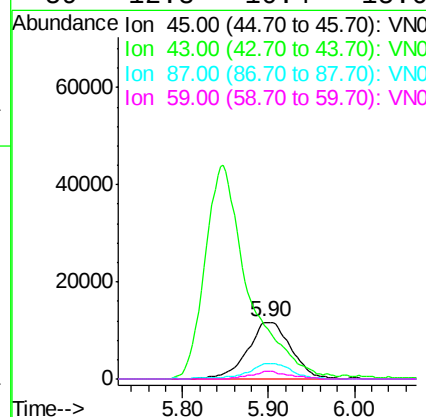
Manual Integrations
APPROVED

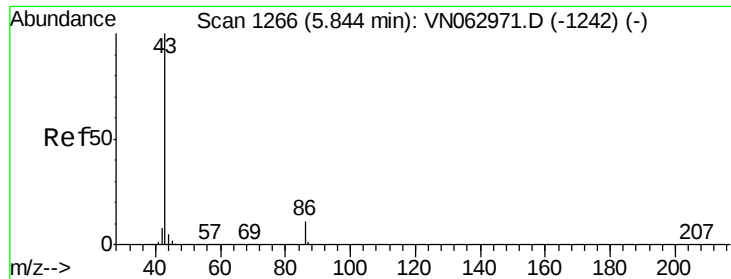
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#22
Diisopropyl ether
Concen: 4.676 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	89.1	47.1	70.7#
87	27.1	24.3	36.5
59	12.8	10.4	15.6





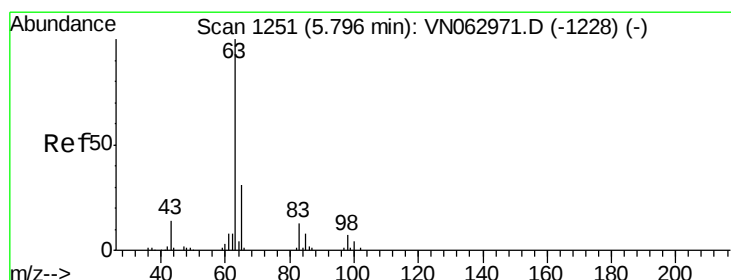
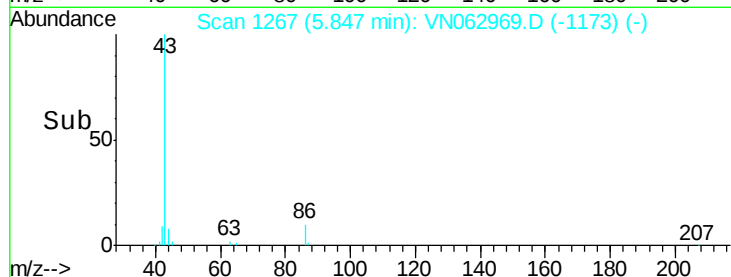
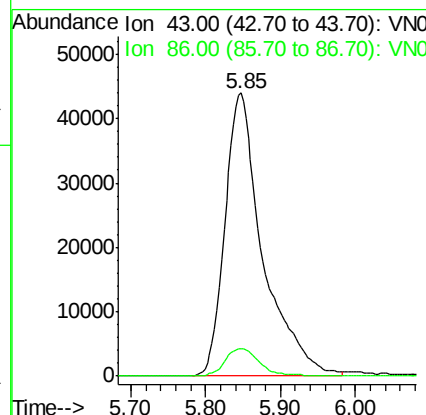
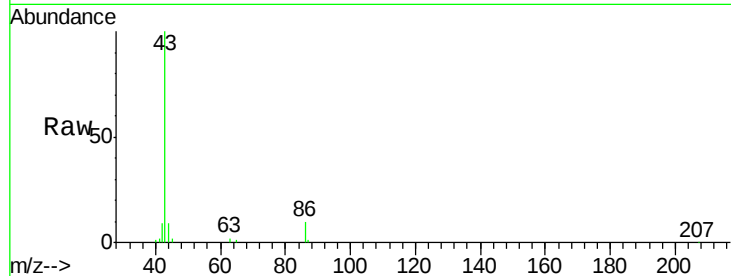
#23
 Vinyl Acetate
 Concen: 23.335 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
43	100	154308		
86	9.7		9.1	13.7

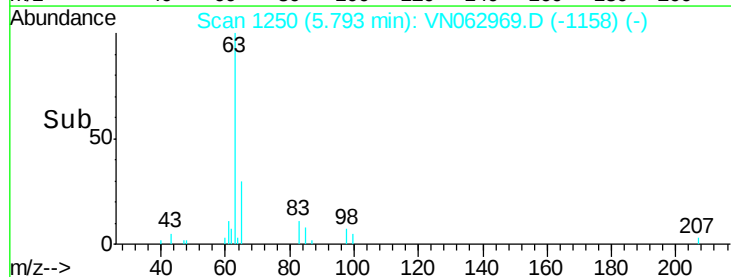
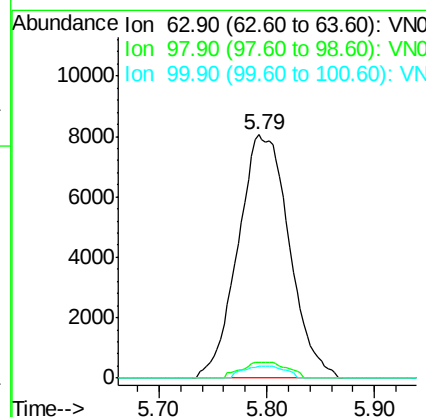
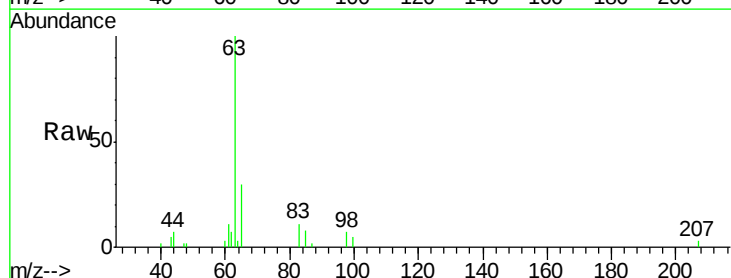
Manual Integrations
 APPROVED

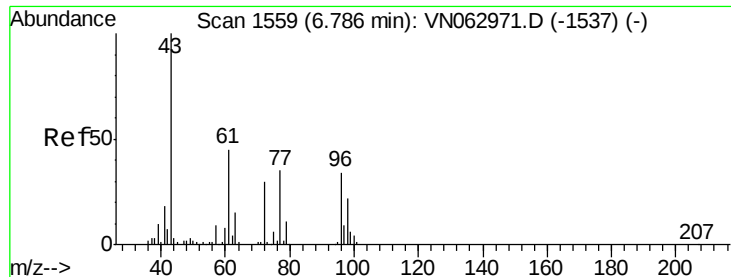
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#24
 1,1-Dichloroethane
 Concen: 5.155 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	26572		
98	6.5		3.3	9.9
100	4.8		2.0	6.0





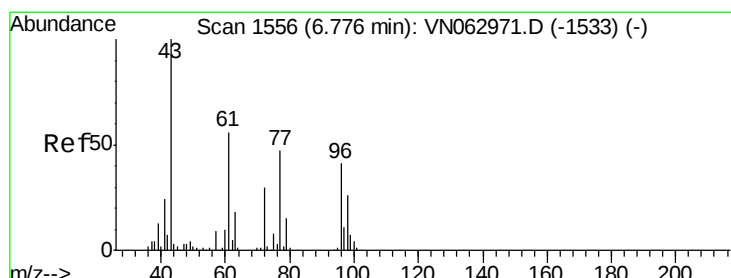
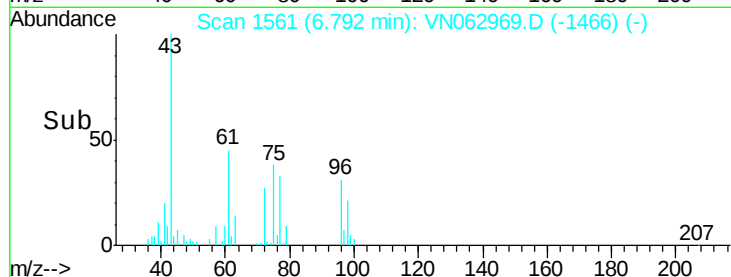
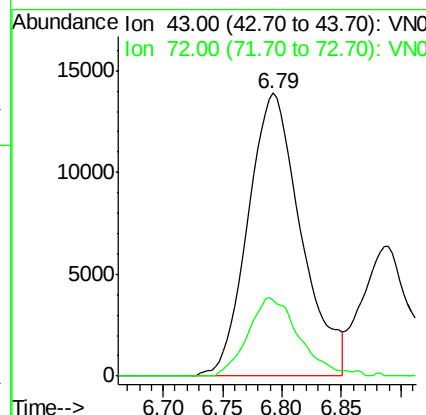
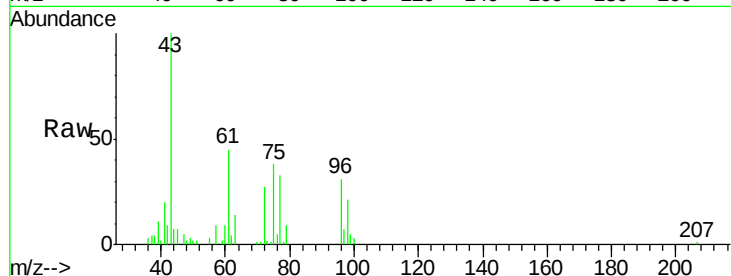
#25
2-Butanone
Concen: 22.214 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 42990
Ion Ratio Lower Upper
43 100
72 26.9 23.9 35.9

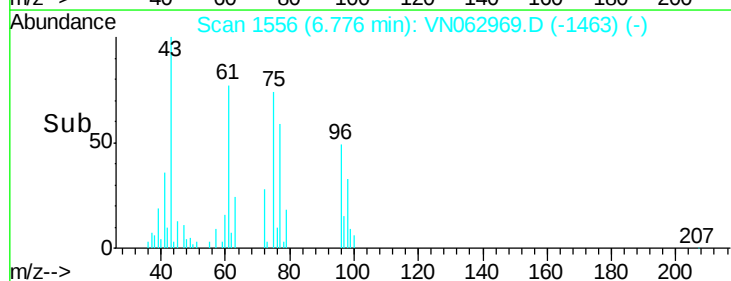
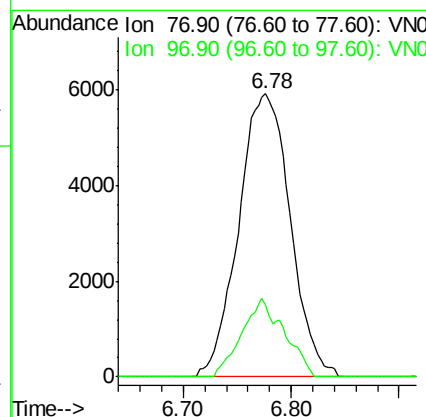
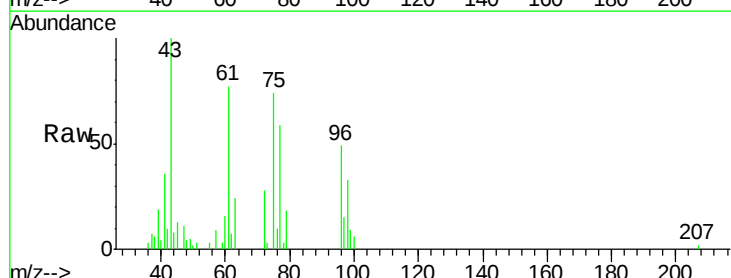
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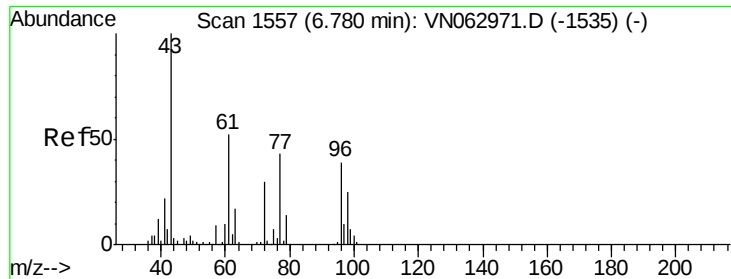
MMDadoda
8/18/2020 11:12:46 AM



#26
2,2-Dichloropropane
Concen: 4.232 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion: 77 Resp: 19660
Ion Ratio Lower Upper
77 100
97 22.9 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 5.244 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062969.D

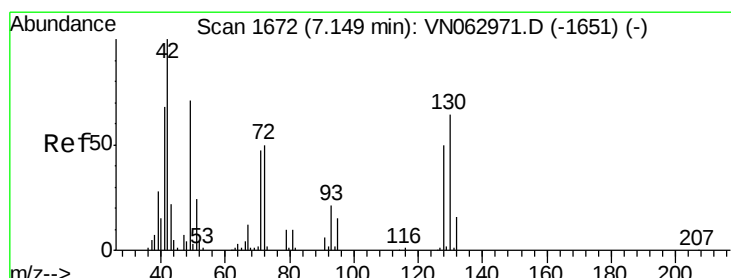
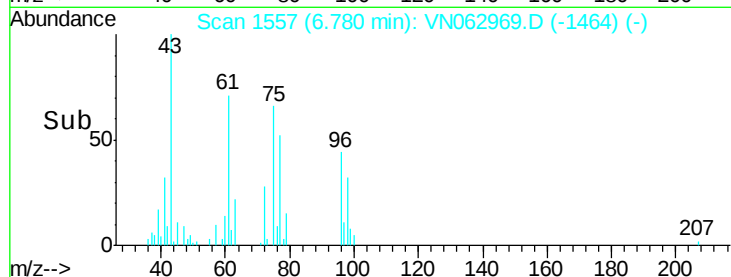
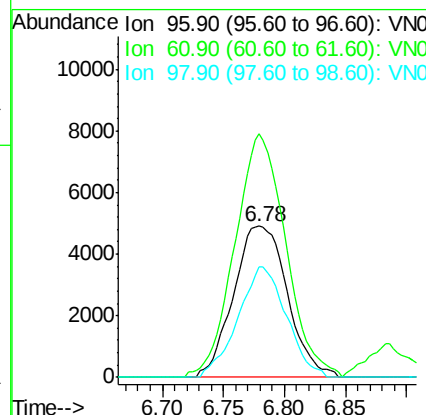
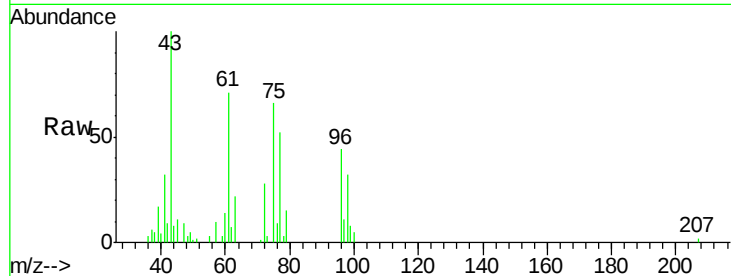
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.5	0.0	270.4	
98	65.3	0.0	128.2	

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#28

Bromochloromethane

Concen: 5.101 ug/l

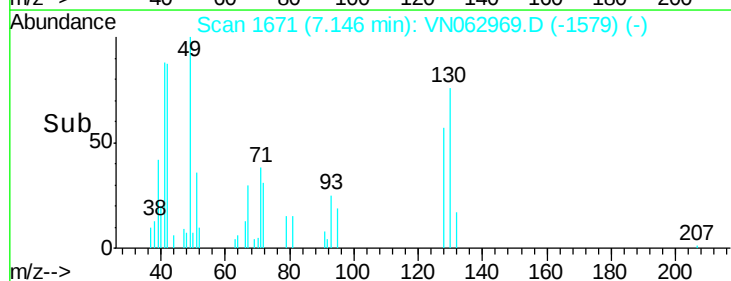
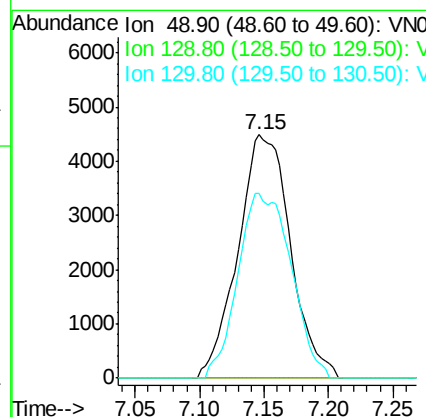
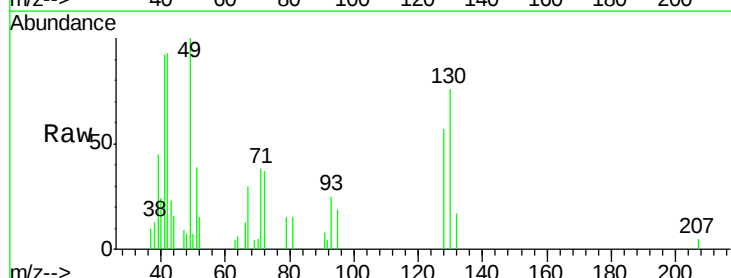
RT: 7.15 min Scan# 1671

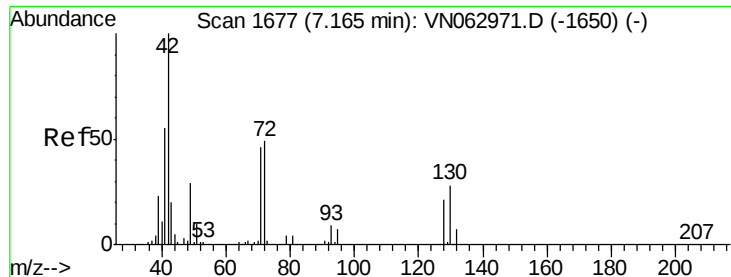
Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.2	
130	76.9	73.5	110.3	





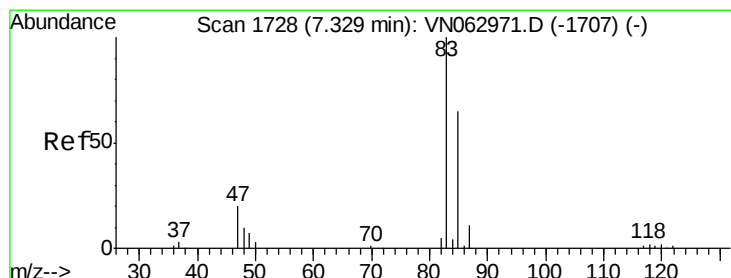
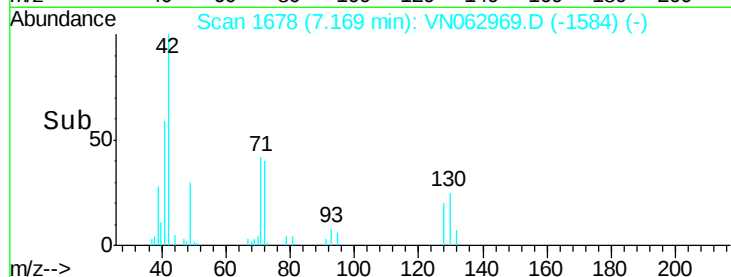
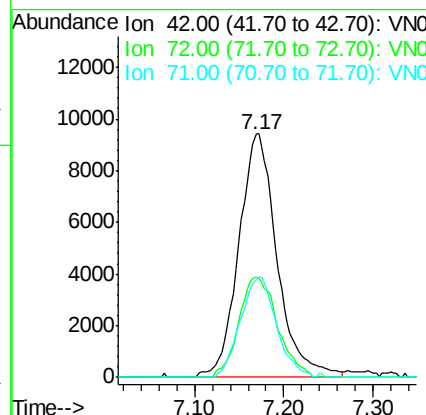
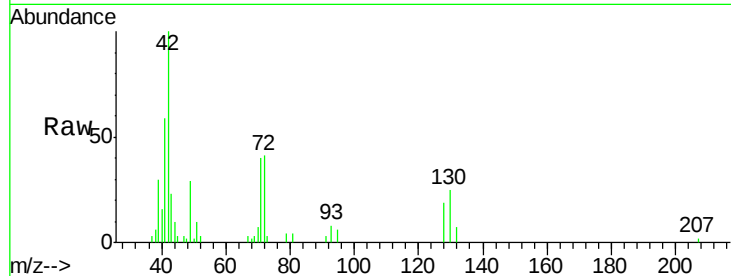
#29
Tetrahydrofuran
Concen: 22.306 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	39.4	59.2
71	38.7	37.2	55.8

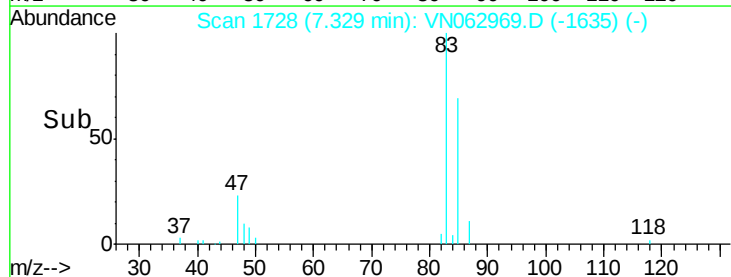
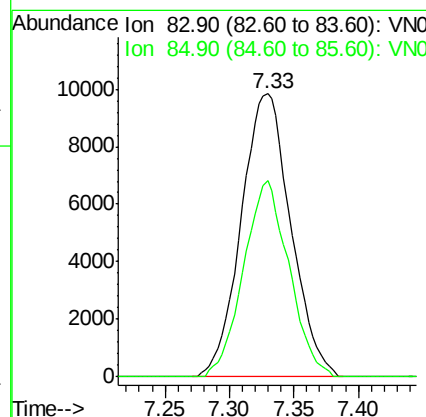
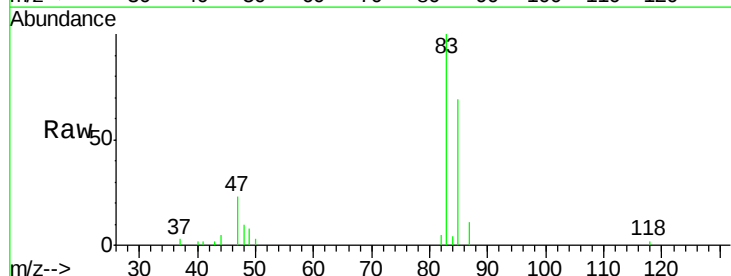
Manual Integrations
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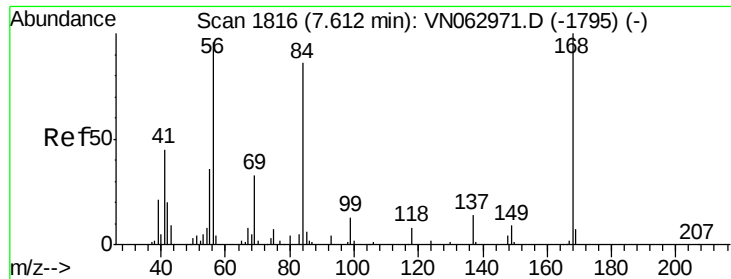
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#30
Chloroform
Concen: 4.850 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.5	52.2	78.4





#31

Cyclohexane

Concen: 5.097 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

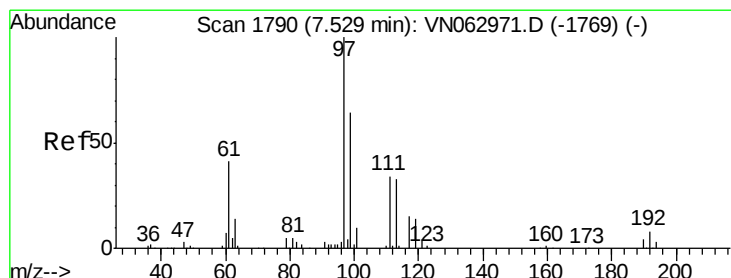
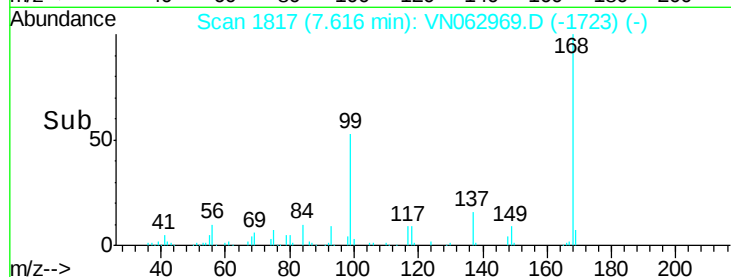
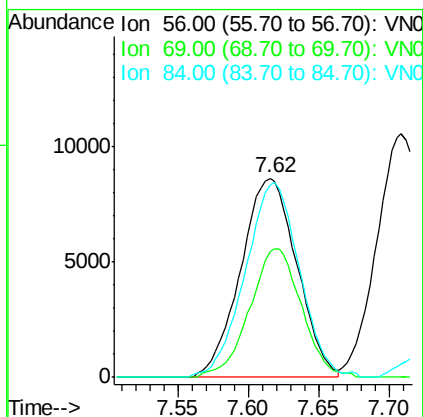
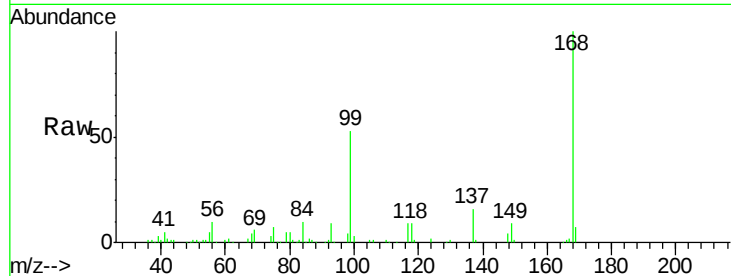
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	23951
Ion Ratio	Lower	Upper	
56	100		
69	63.2	27.4	41.2#
84	96.8	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 4.417 ug/l

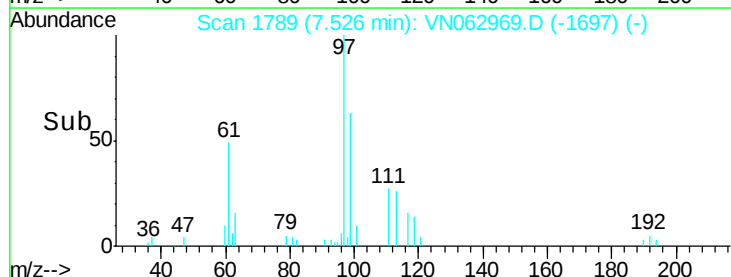
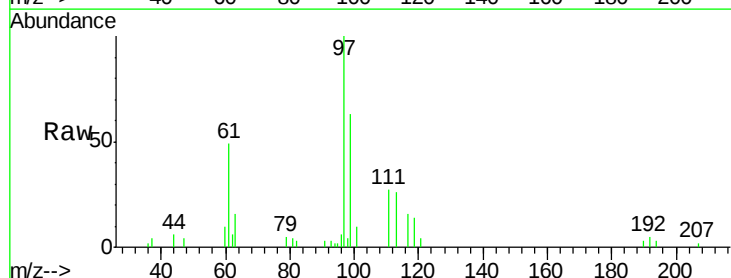
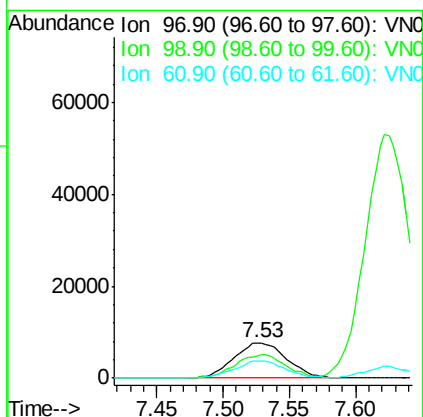
RT: 7.53 min Scan# 1789

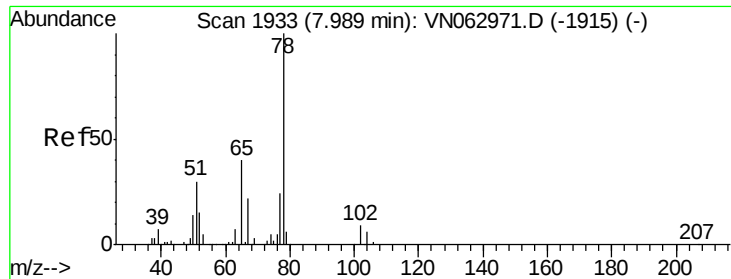
Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	97	Resp:	21163
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.2	78.4
61	47.1	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 4.489 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 16830

Ion Ratio Lower Upper

65 100

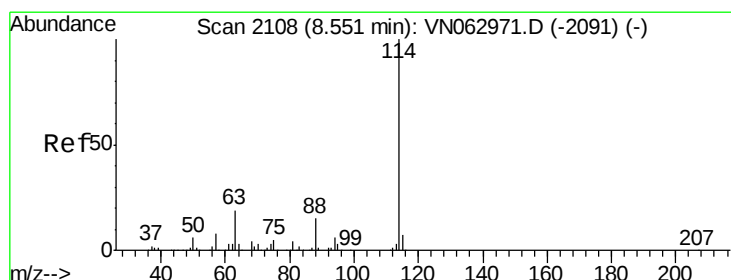
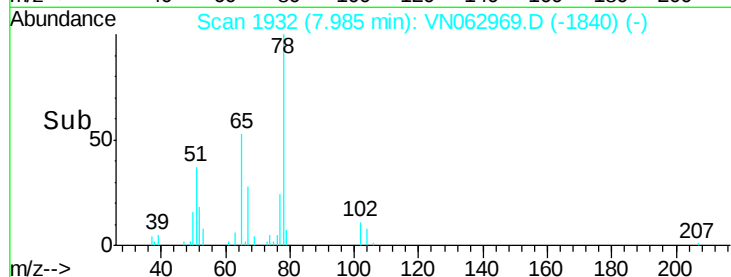
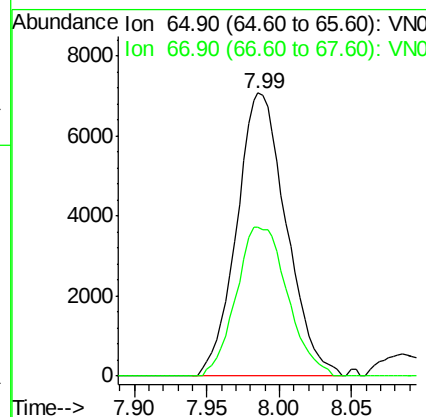
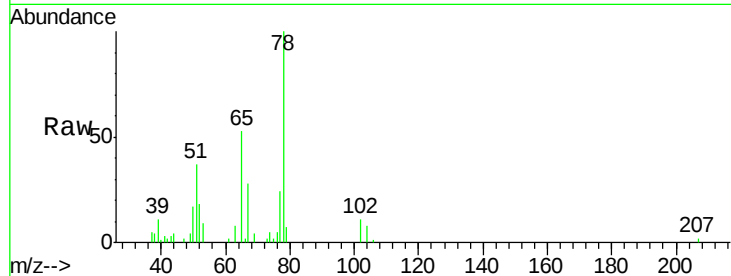
67 54.4 0.0 108.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

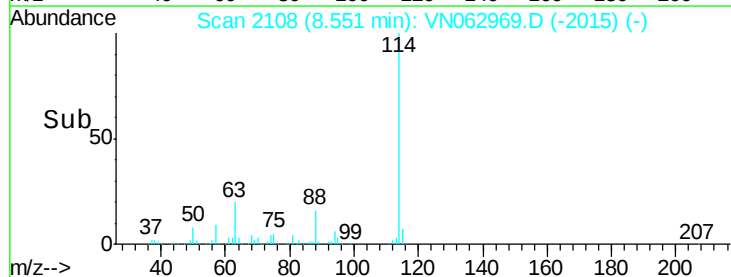
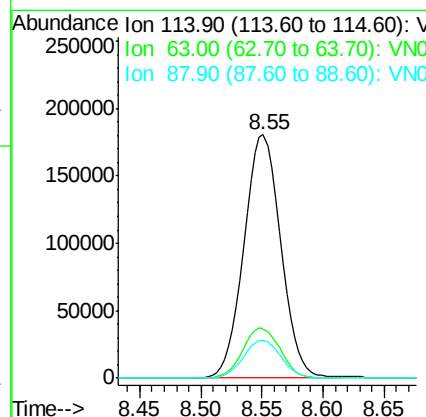
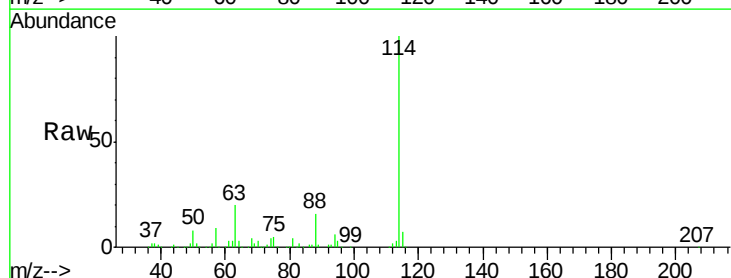
Tgt Ion: 114 Resp: 377465

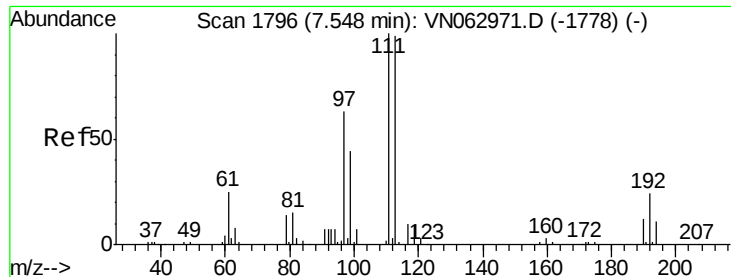
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.6

88 15.6 0.0 31.0





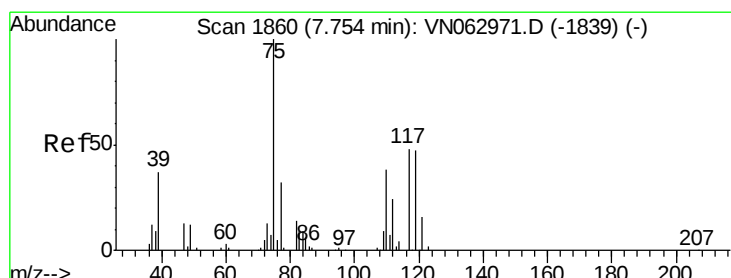
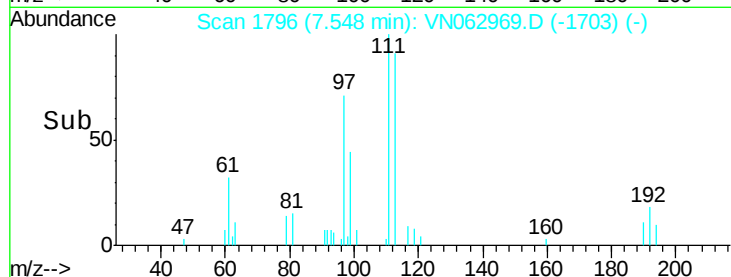
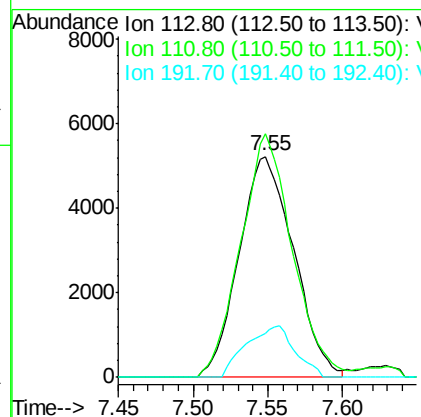
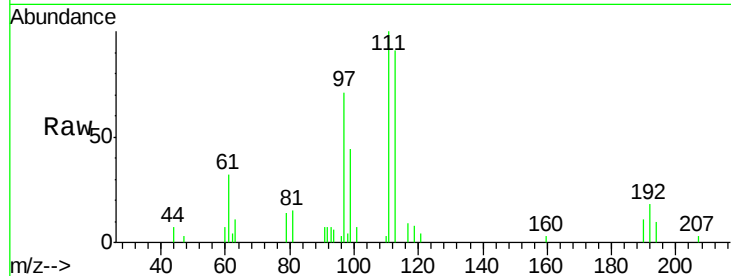
#35
 Dibromofluoromethane
 Concen: 5.189 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	13265		
111	104.5	81.4	122.0	
192	20.7	19.2	28.8	

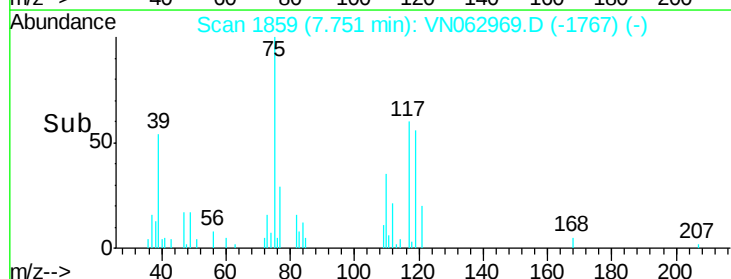
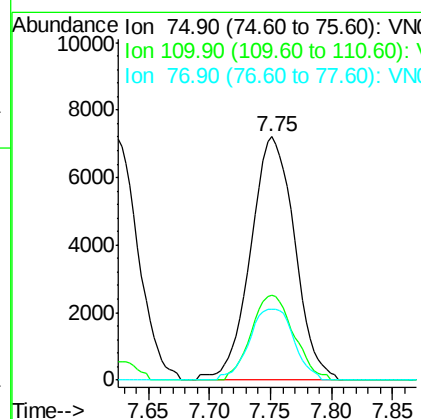
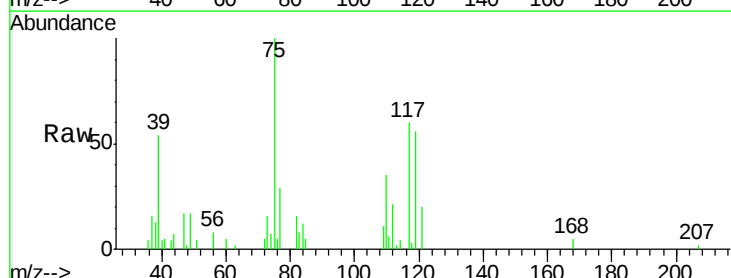
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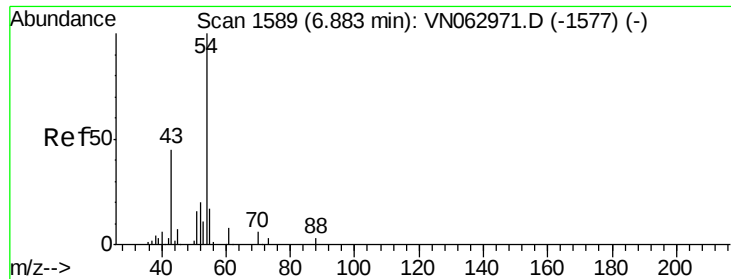
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#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18021		
110	33.5	18.7	56.1	
77	29.5	25.6	38.4	





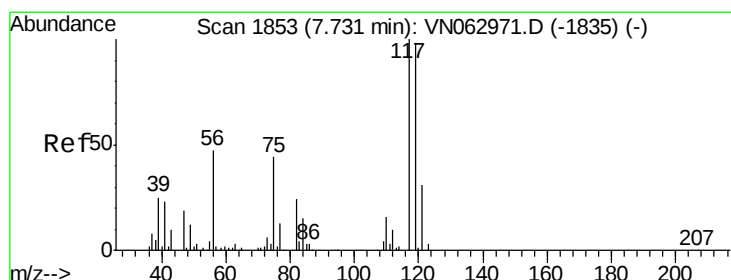
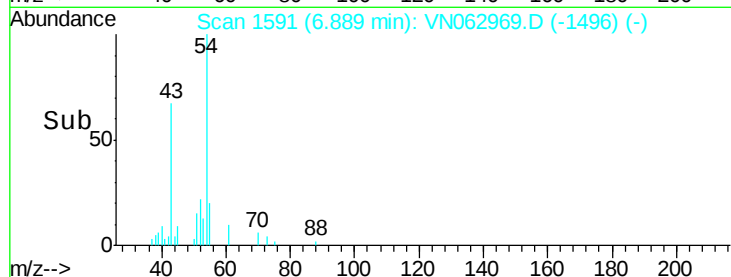
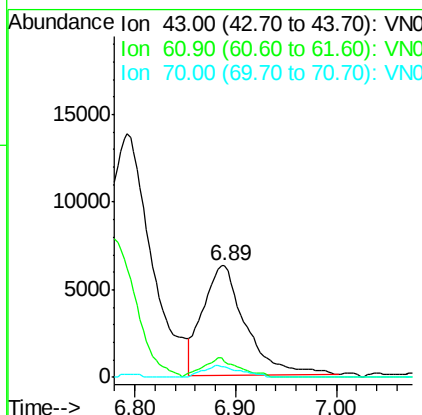
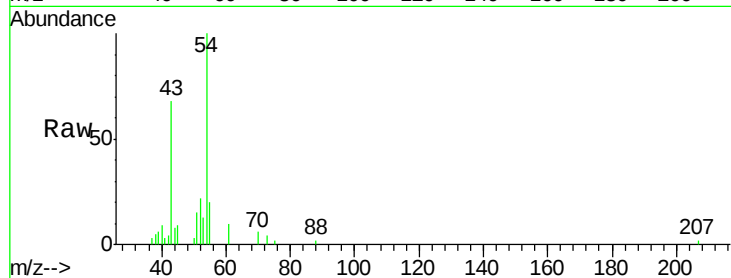
#37
Ethyl Acetate
Concen: 5.044 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.4	18.6
70	9.1	9.9	14.9

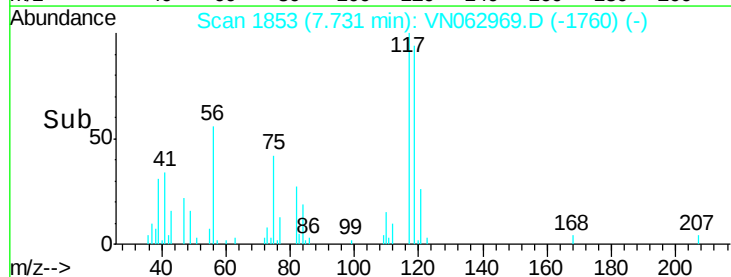
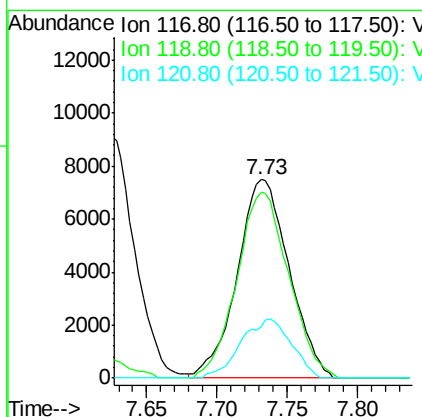
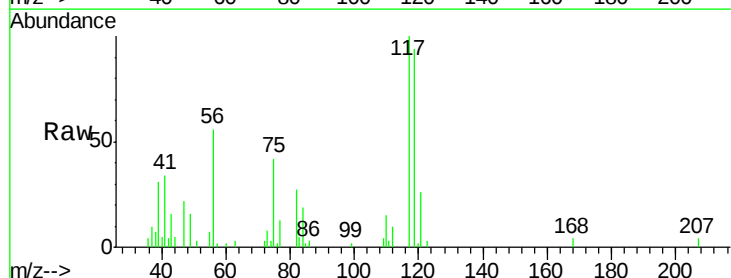
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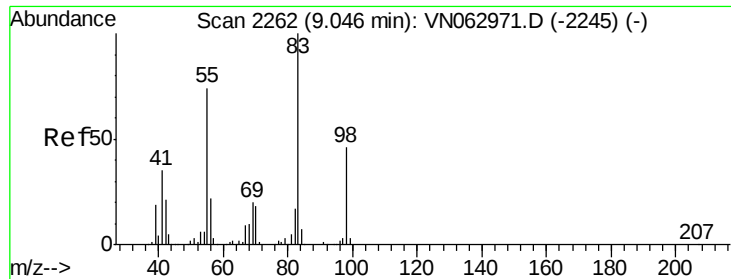
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#38
Carbon Tetrachloride
Concen: 4.573 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.9	116.9
121	26.0	24.8	37.2





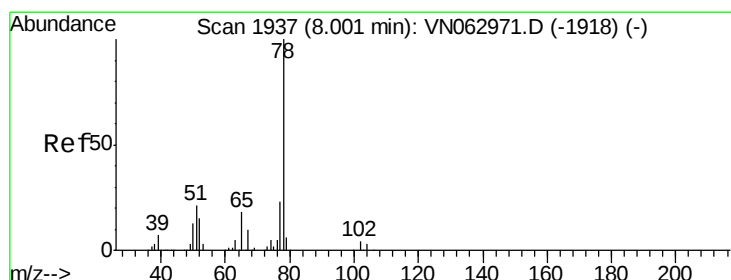
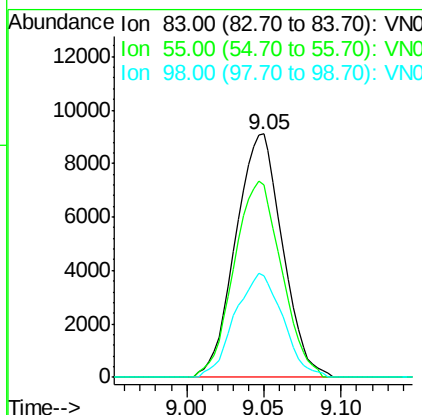
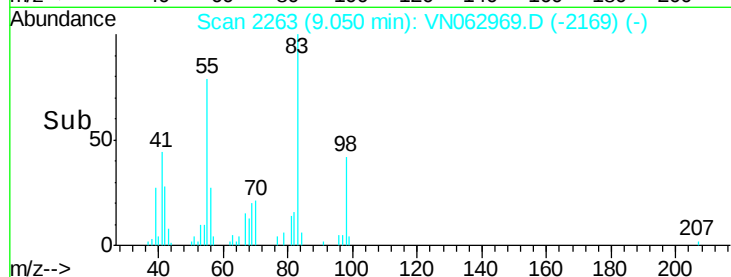
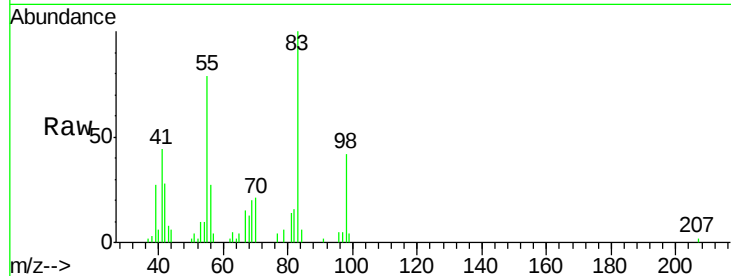
#39
Methvlcvclohexane
Concen: 4.355 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	59.0	88.6
98	41.7	36.8	55.2

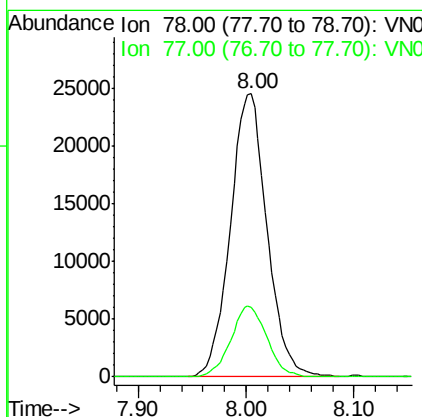
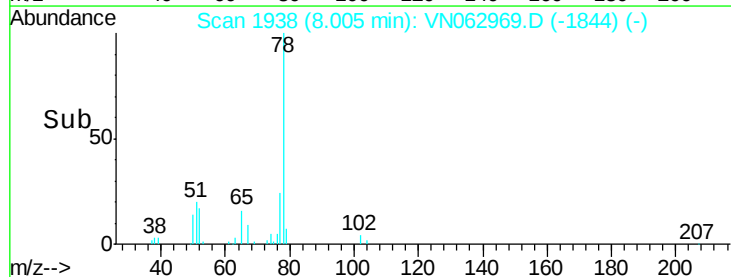
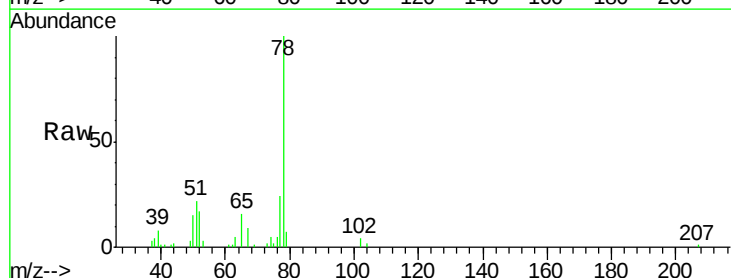
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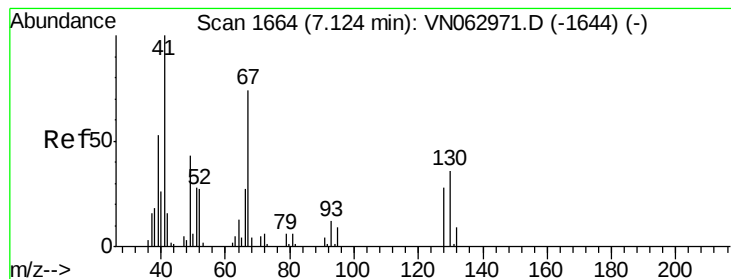
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#40
Benzene
Concen: 5.335 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	27.8





#41

Methacrylonitrile

Concen: 3.665 ug/l

RT: 7.13 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

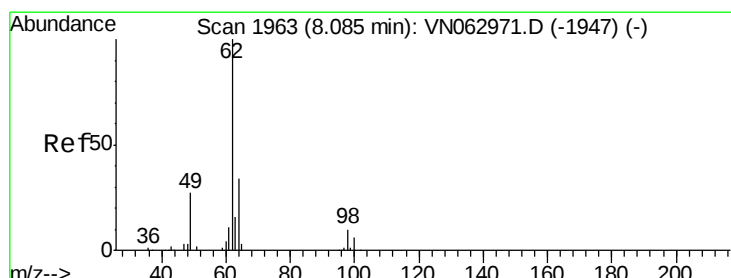
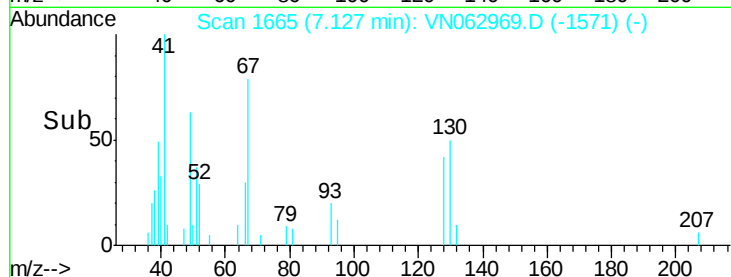
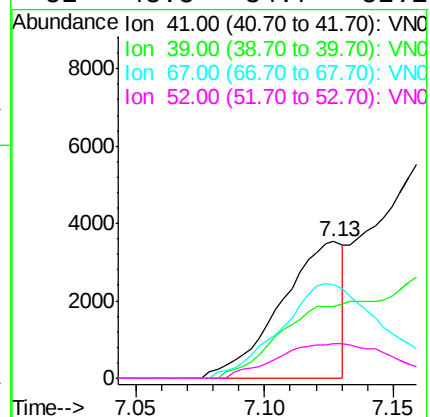
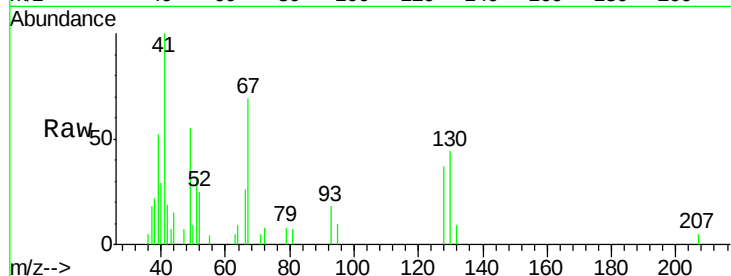
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	5927
Ion	Ratio	Lower	Upper
41	100		
39	0.0	58.6	88.0#
67	117.6	90.1	135.1
52	48.8	34.7	52.1

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#42

1,2-Dichloroethane

Concen: 4.613 ug/l

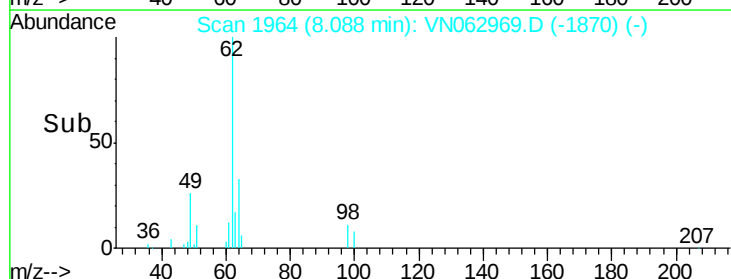
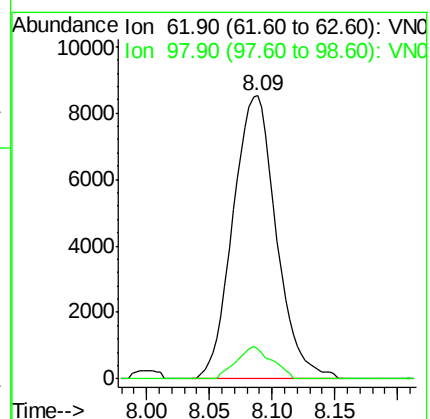
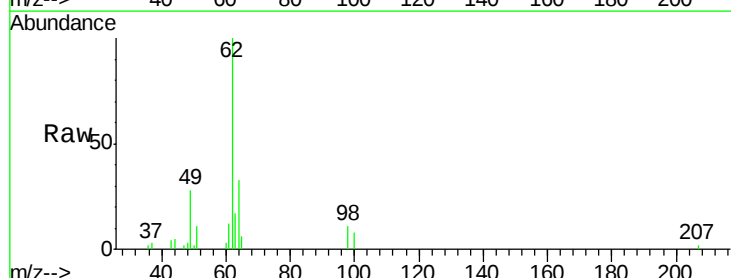
RT: 8.09 min Scan# 1964

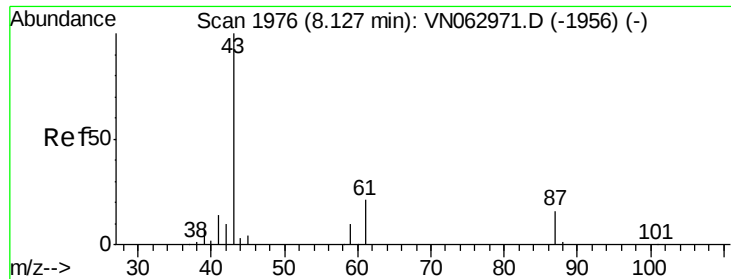
Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	62	Resp:	20467
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 4.449 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

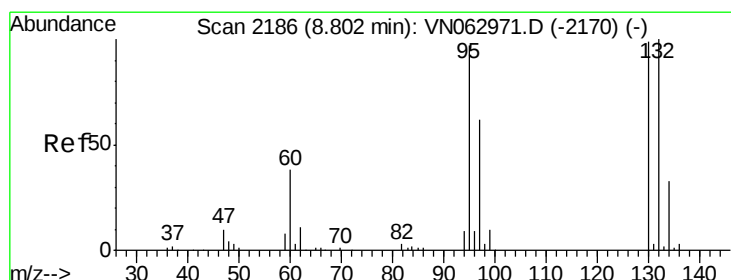
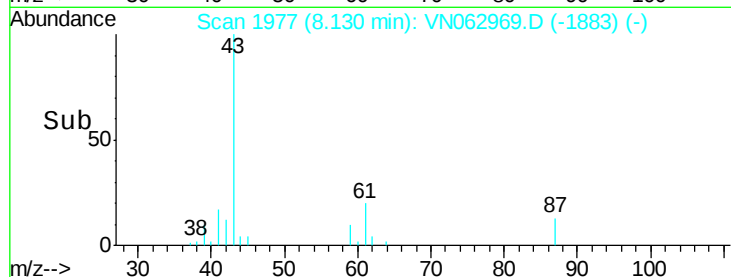
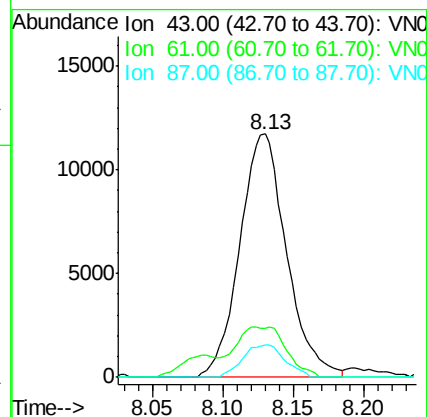
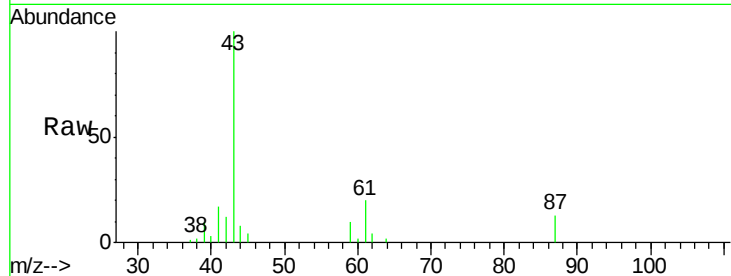
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	27194
Ion	Ratio	Lower	Upper
43	100		
61	22.5	24.6	36.8#
87	12.1	12.4	18.6#

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#44

Trichloroethene

Concen: 5.490 ug/l

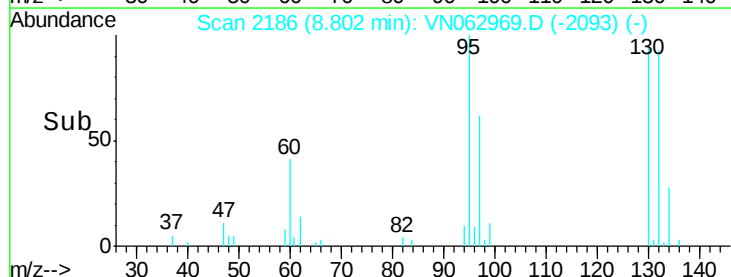
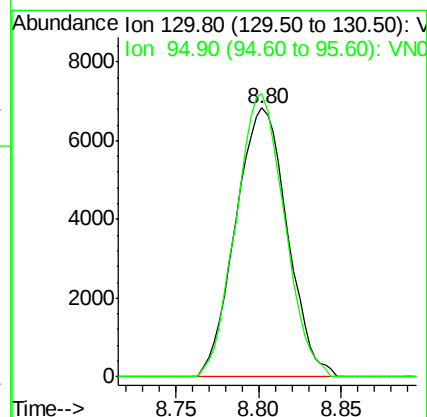
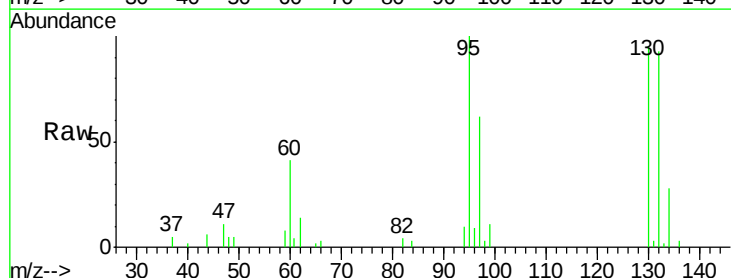
RT: 8.80 min Scan# 2186

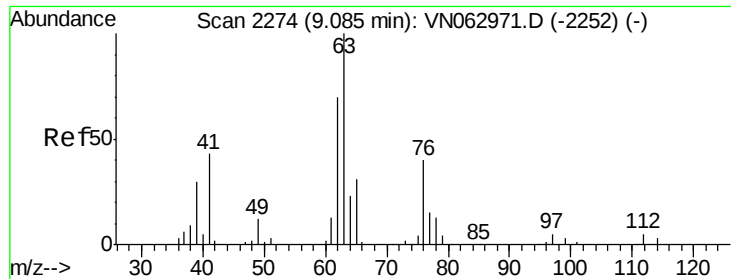
Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	130	Resp:	14773
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	194.2





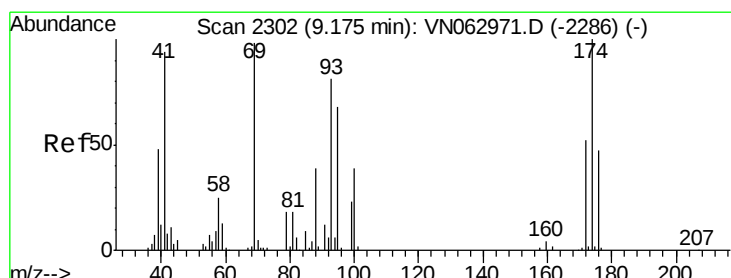
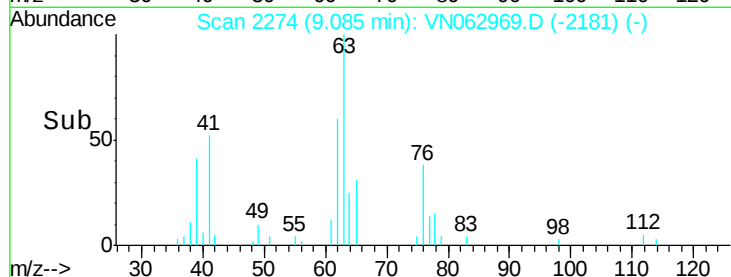
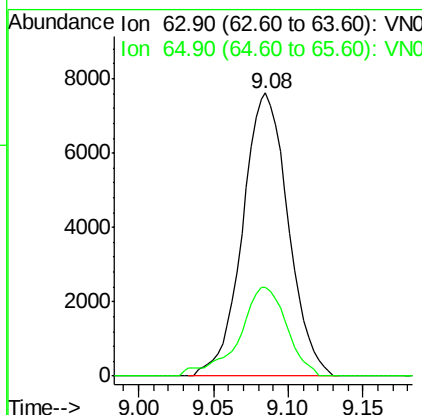
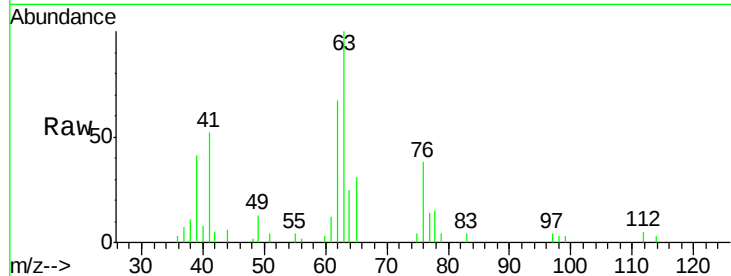
#45
 1,2-Dichloropropane
 Concen: 5.550 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16187
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

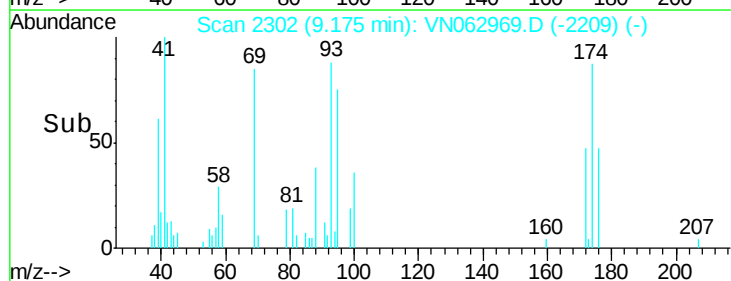
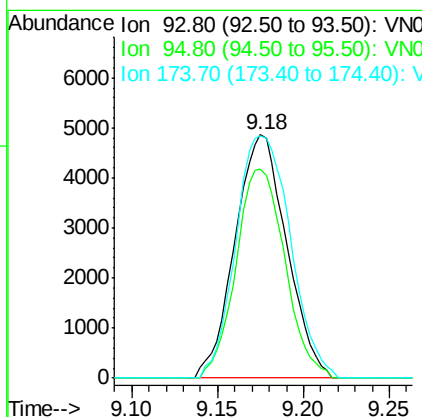
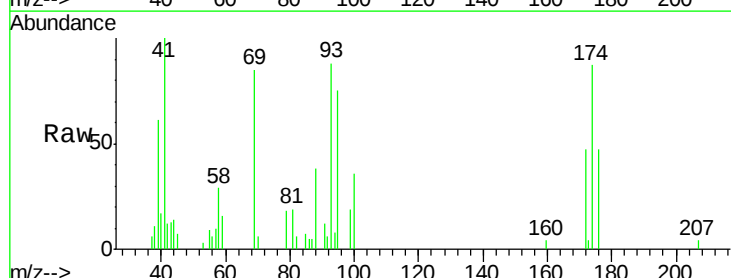
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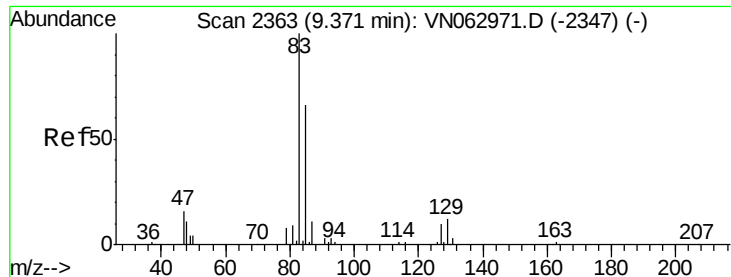
MMDadoda
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#46
 Dibromomethane
 Concen: 5.292 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion: 93 Resp: 10124
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.6 99.8
 174 105.2 96.6 145.0





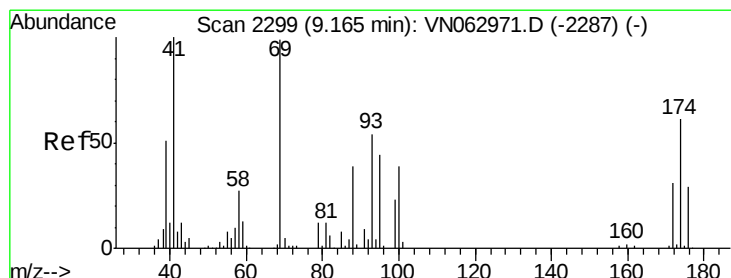
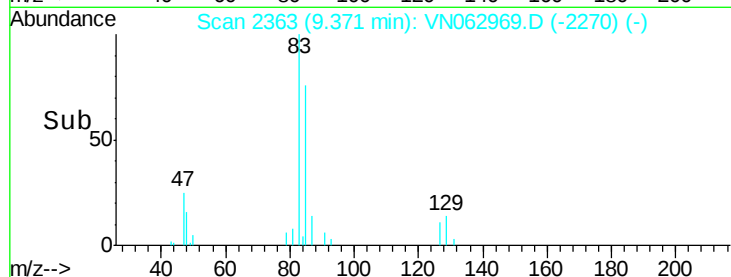
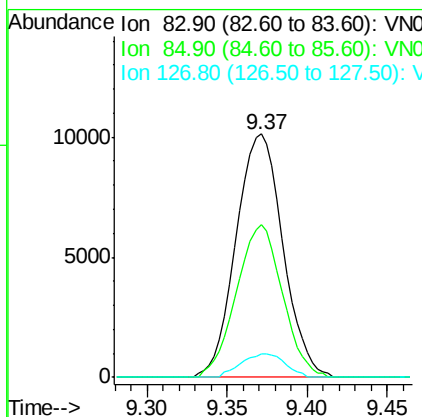
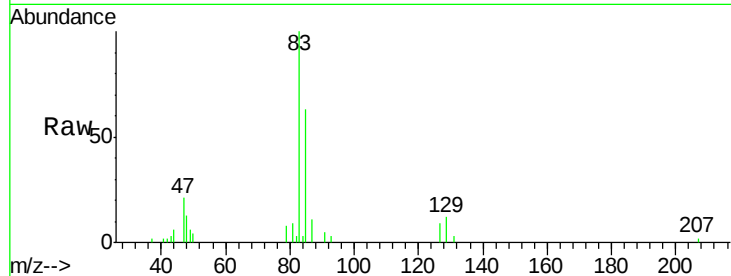
#47
Bromodichloromethane
Concen: 4.798 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.4	78.6
127	9.4	7.8	11.6

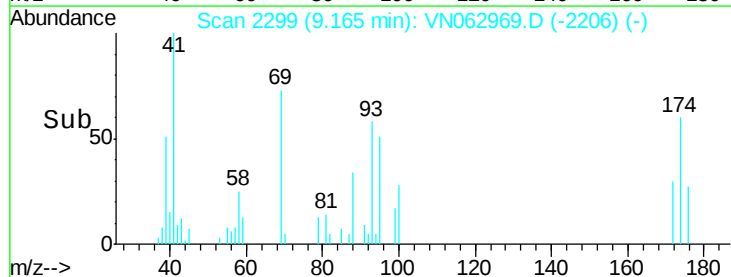
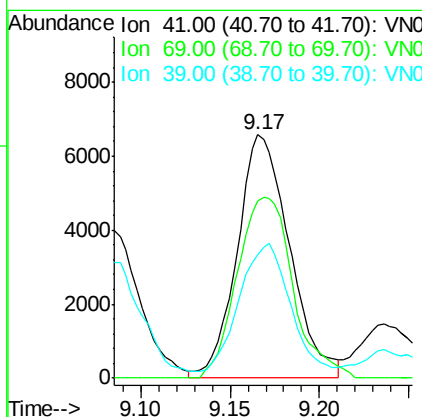
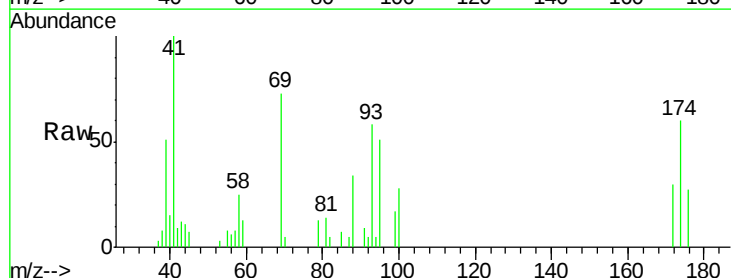
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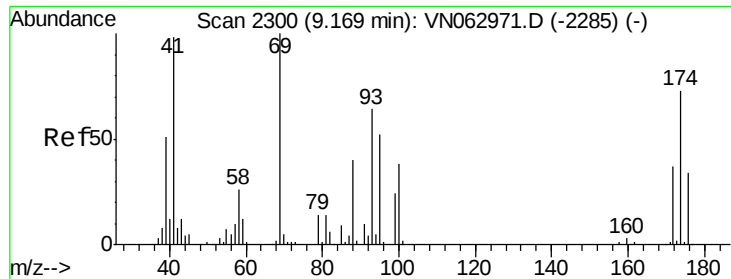
MMDadoda
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#48
Methyl methacrylate
Concen: 4.503 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.9	81.1	121.7#
39	56.2	42.4	63.6





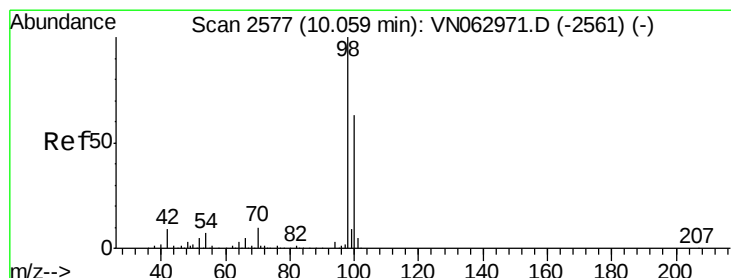
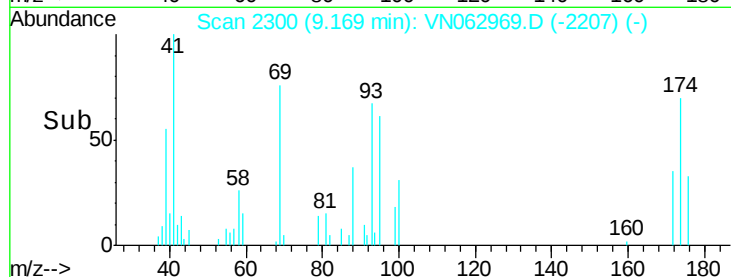
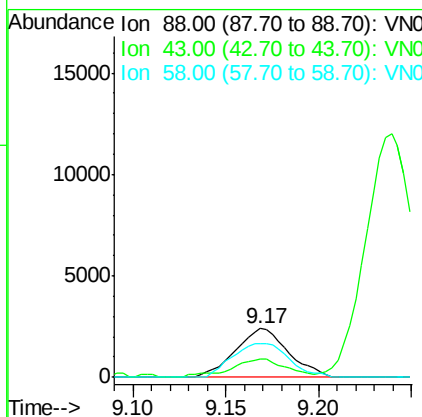
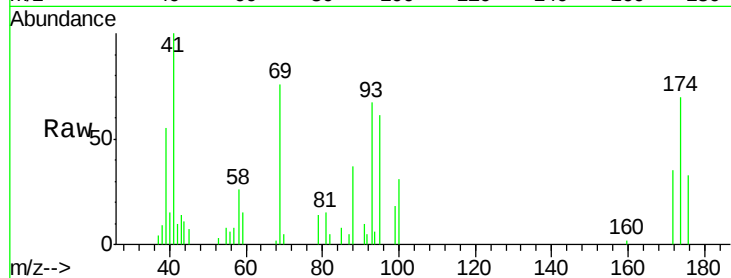
#49
1,4-Dioxane
Concen: 85.142 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	23.1	34.7#
58	74.5	53.1	79.7

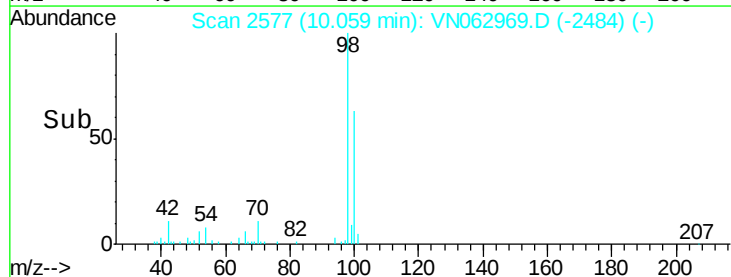
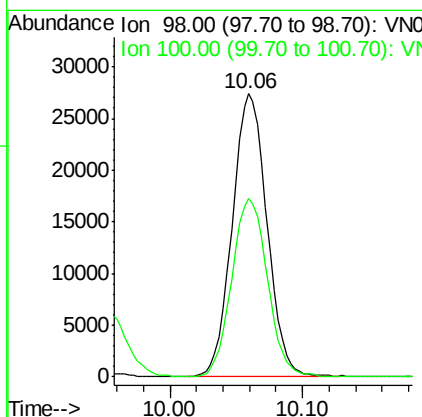
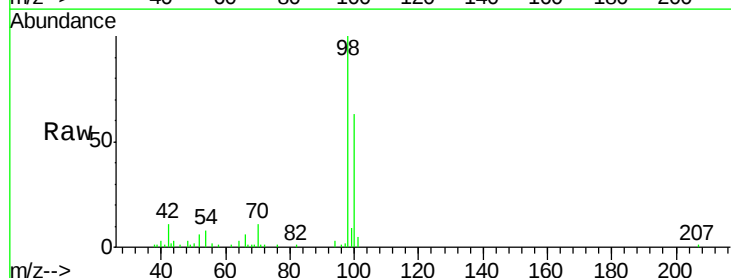
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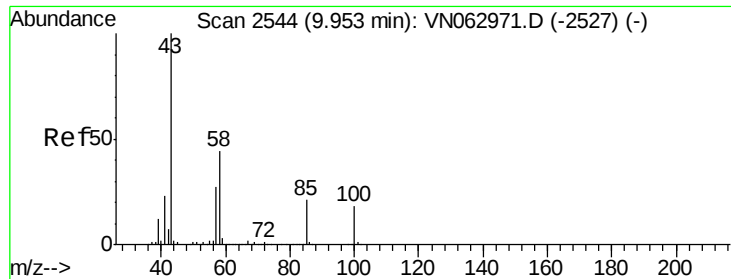
MMDadoda
8/18/2020 11:12:46 AM



#50
Toluene-d8
Concen: 4.985 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 21.769 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 85950

Ion Ratio Lower Upper

43 100

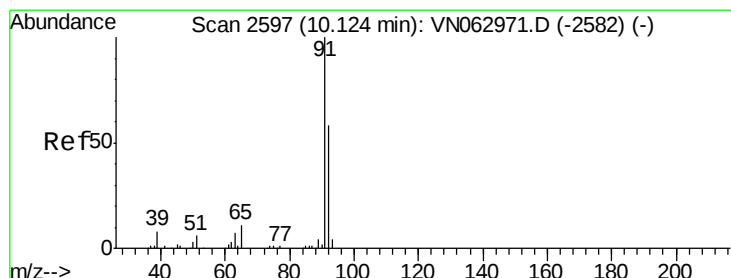
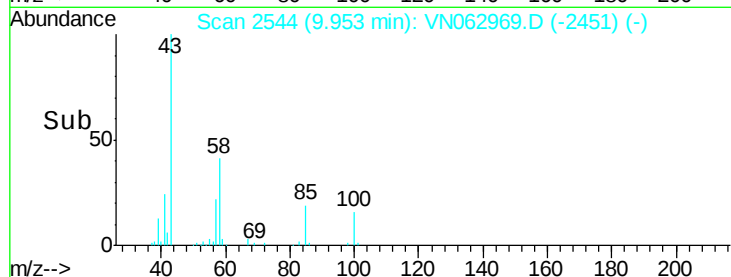
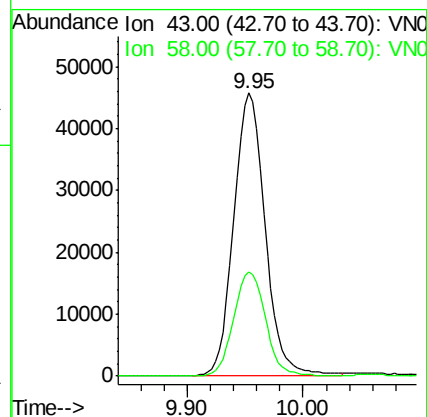
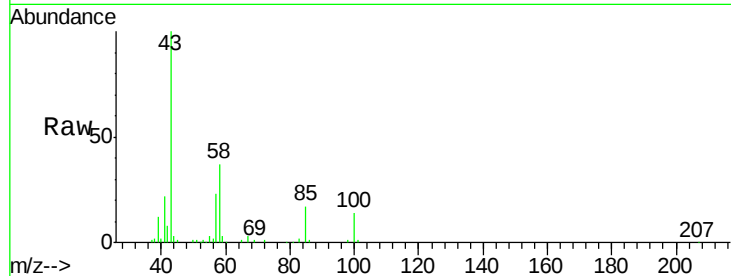
58 37.2 34.3 51.5

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#52

Toluene

Concen: 4.968 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062969.D

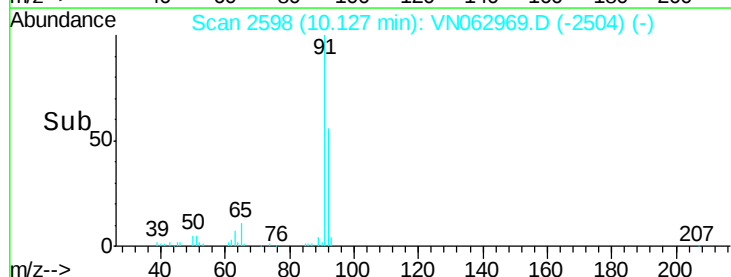
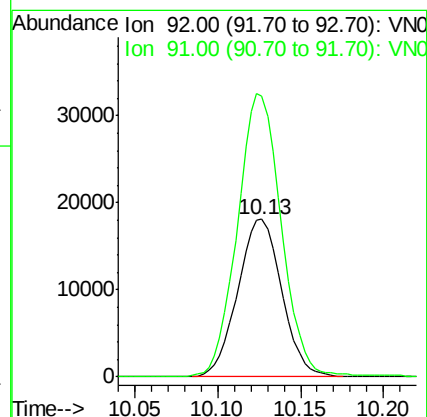
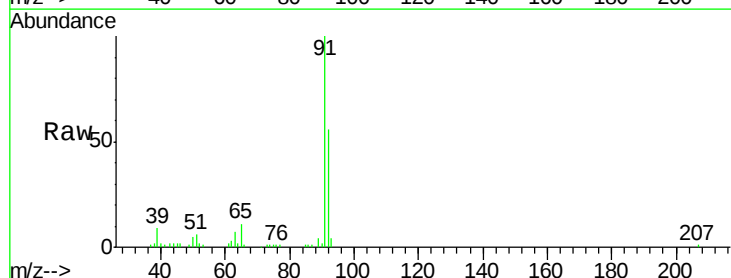
Acq: 17 Aug 2020 13:50

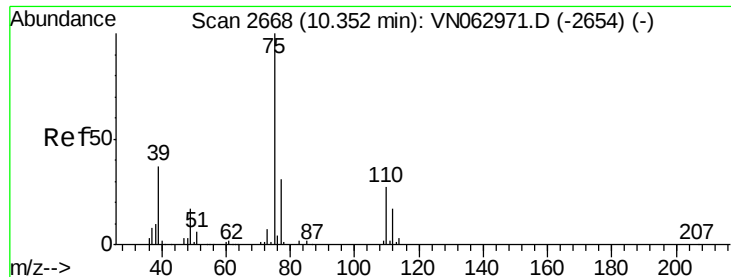
Tgt Ion: 92 Resp: 33383

Ion Ratio Lower Upper

92 100

91 179.3 138.6 207.8





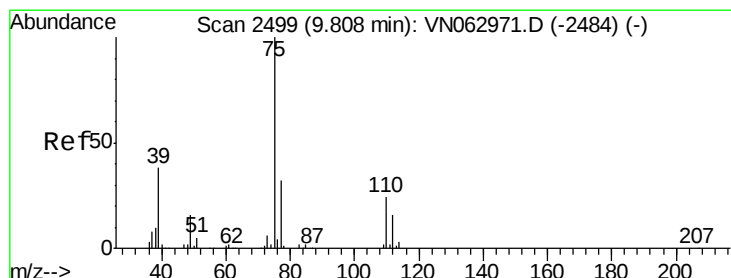
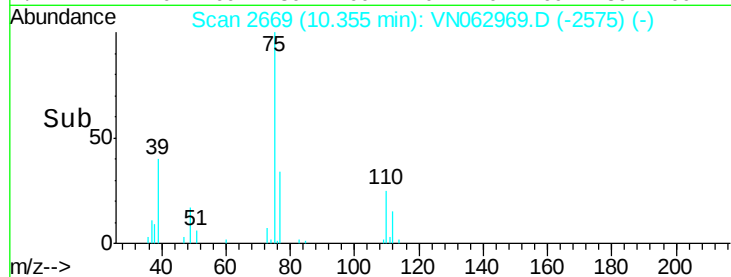
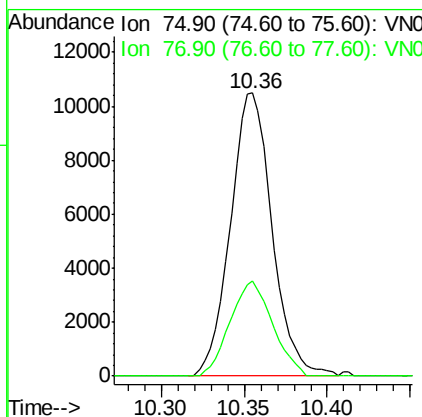
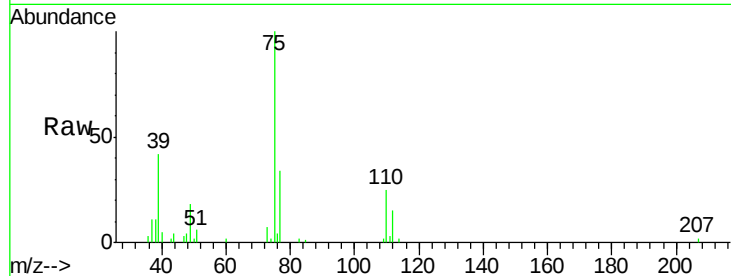
#53
 t-1,3-Dichloropropene
 Concen: 3.953 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 75 Resp: 18307
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.0 37.4

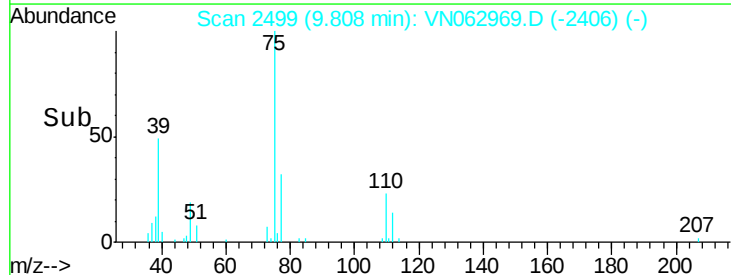
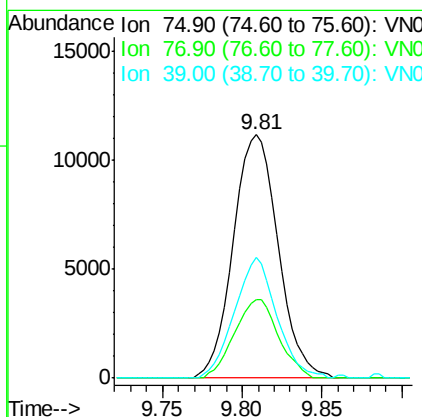
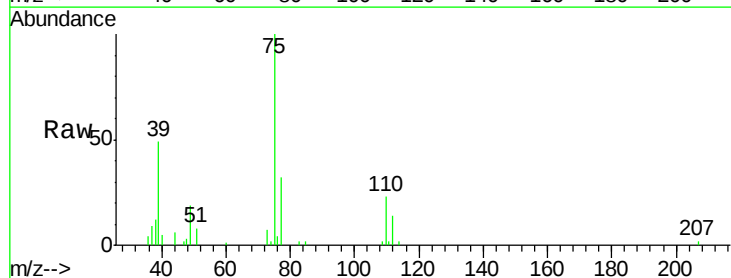
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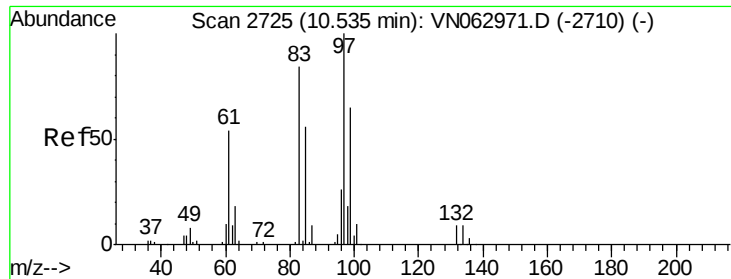
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#54
 cis-1,3-Dichloropropene
 Concen: 4.539 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion: 75 Resp: 21447
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2
 39 49.4 30.6 46.0#





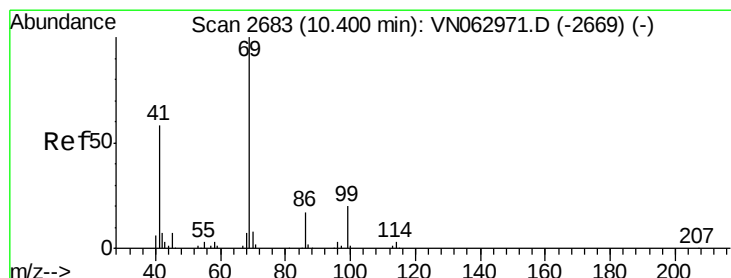
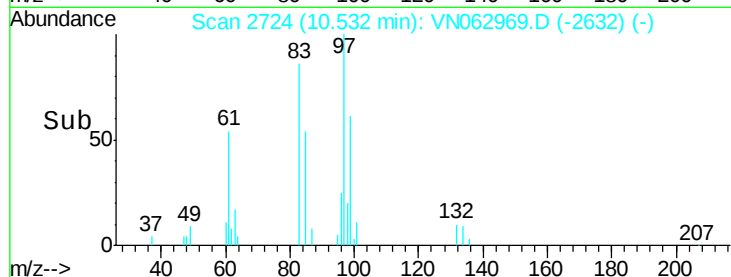
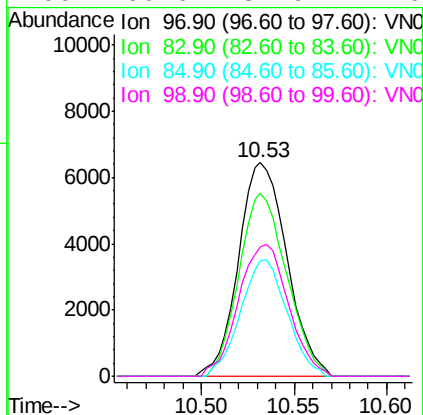
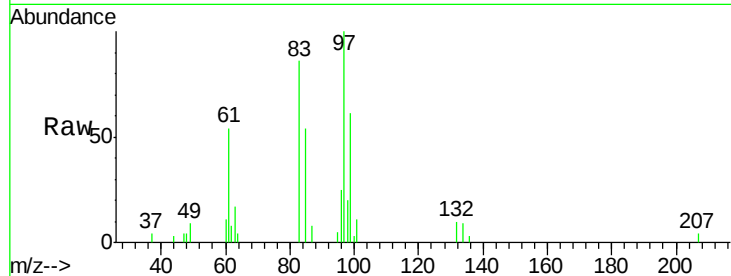
#55
 1,1,2-Trichloroethane
 Concen: 4.054 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	11667
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.0	100.4
85	54.1	44.4	66.6
99	60.6	51.9	77.9

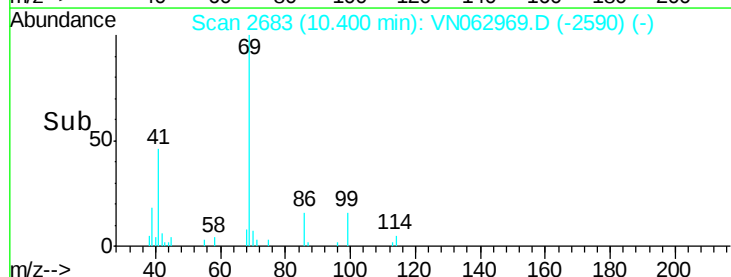
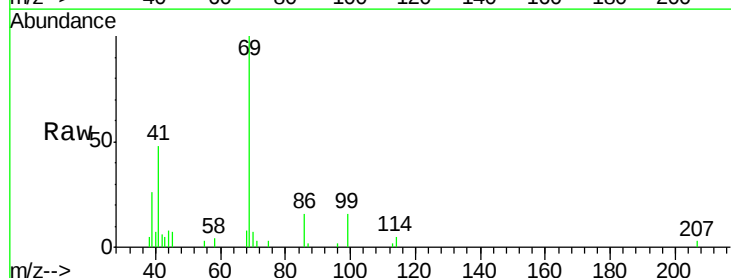
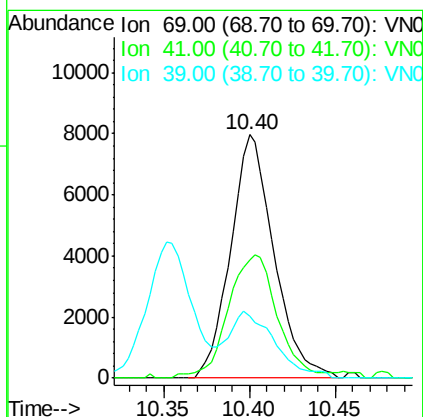
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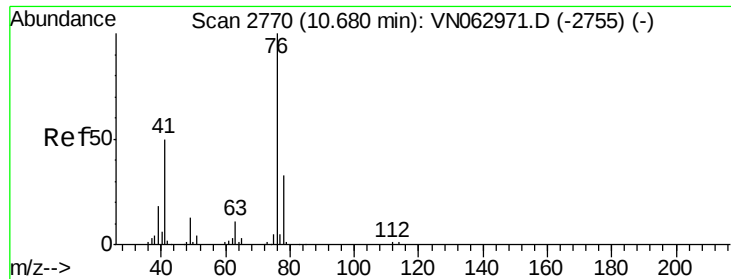
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#56
 Ethyl methacrylate
 Concen: 3.328 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion:	69	Resp:	14035
Ion	Ratio	Lower	Upper
69	100		
41	57.2	46.0	69.0
39	29.2	23.4	35.0





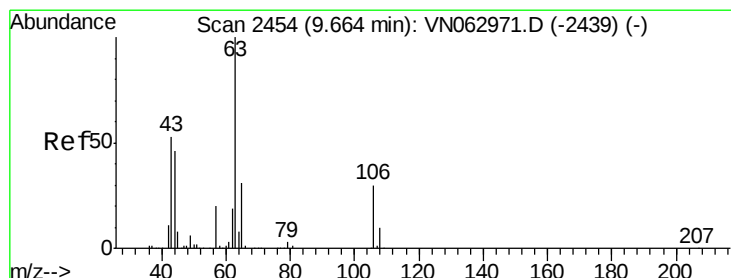
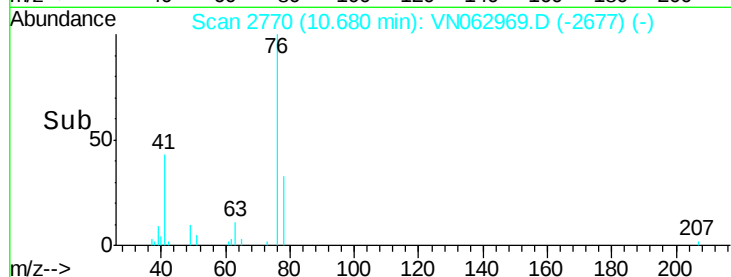
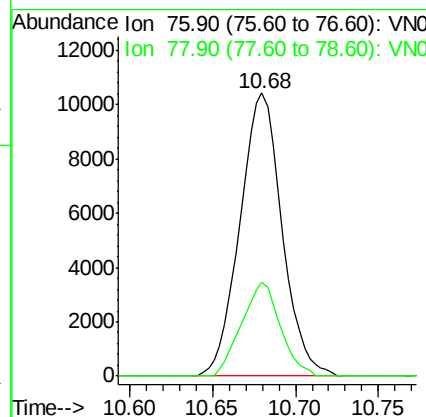
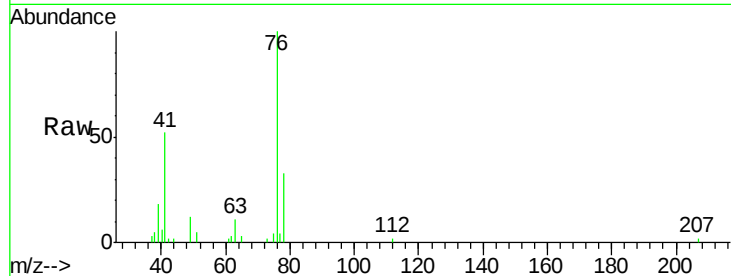
#57
 1,3-Dichloropropane
 Concen: 3.825 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.4	26.2	39.4

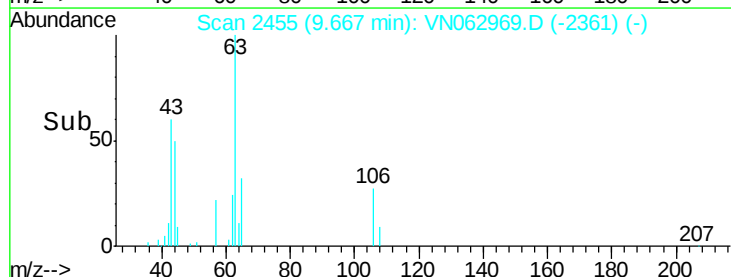
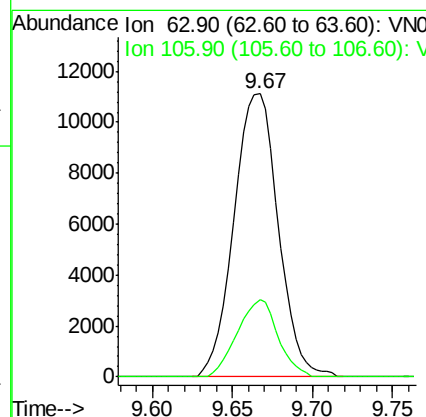
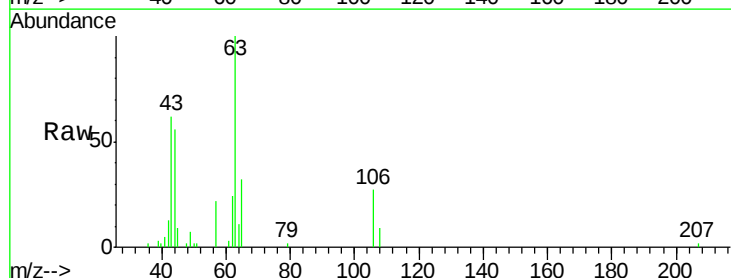
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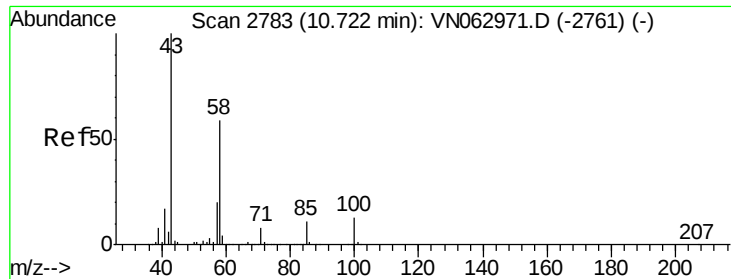
MMDadoda
 8/18/2020 11:12:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.984 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	23.4	35.2





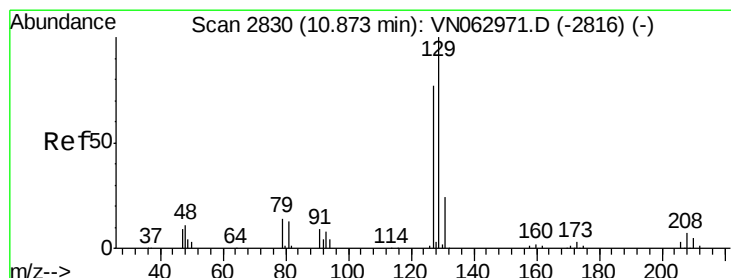
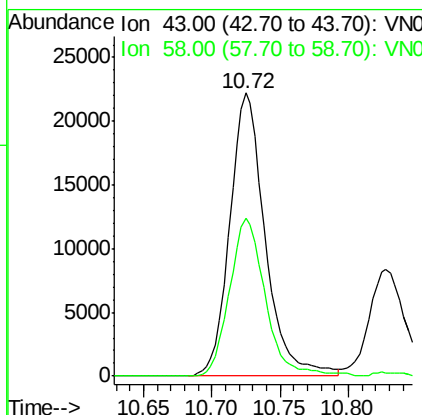
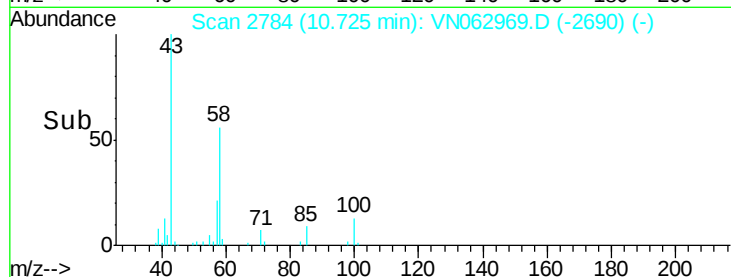
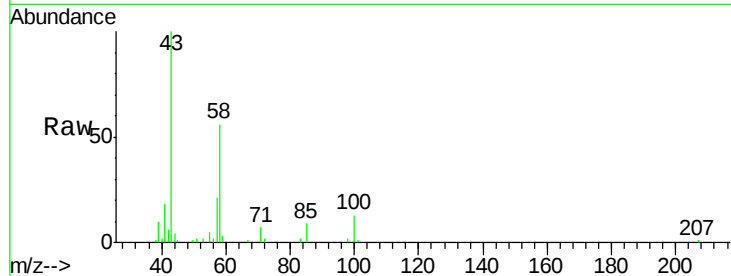
#59
2-Hexanone
Concen: 13.653 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	40000
Ion Ratio	100	Lower	Upper
43	100		
58	56.5	29.5	88.5

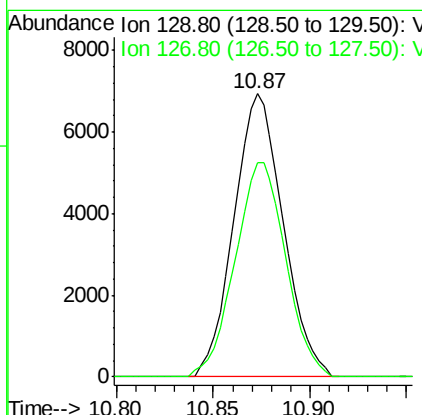
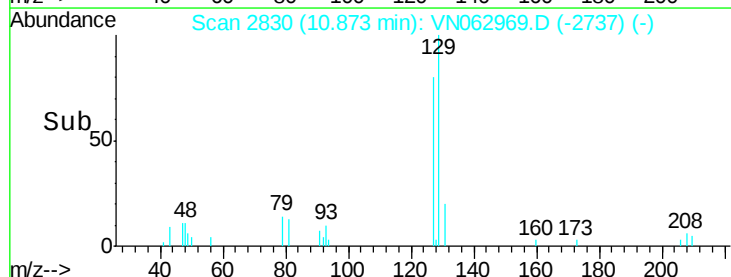
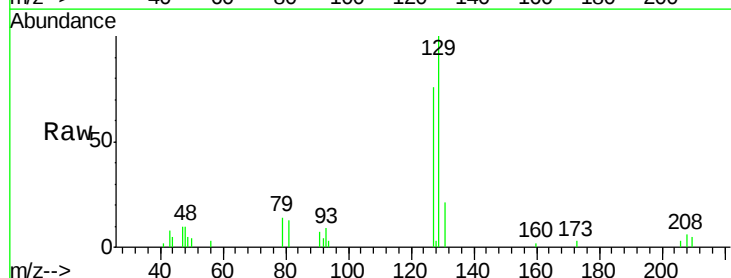
Manual Integrations
APPROVED

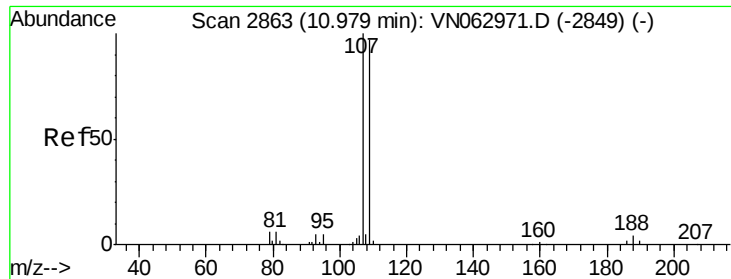
MMDadoda
8/18/2020 11:12:46 AM



#60
Dibromochloromethane
Concen: 3.768 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	129	Resp	12276
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.4	115.2





#61

1,2-Dibromoethane

Concen: 4.024 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 11410

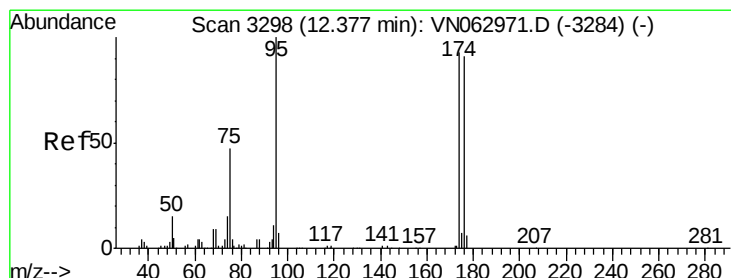
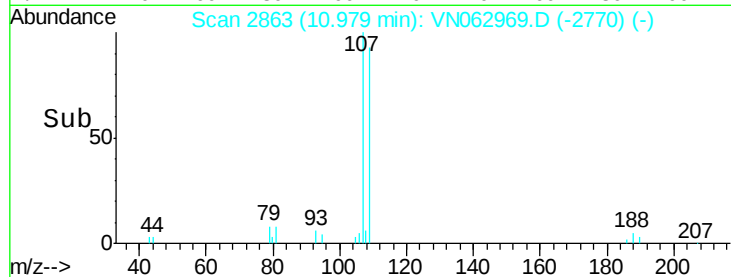
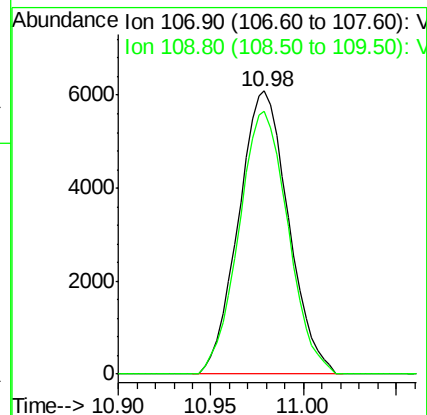
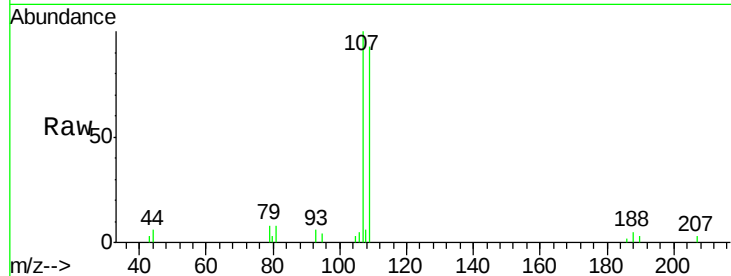
Ion Ratio Lower Upper

107 100

109 91.5 76.6 115.0

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:12:46 AM



#62

4-Bromofluorobenzene

Concen: 3.479 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

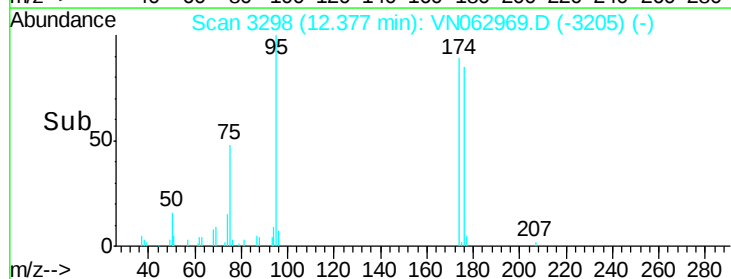
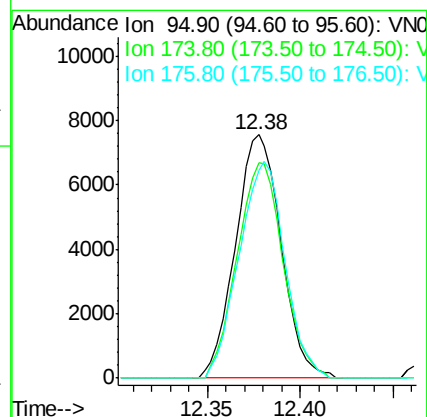
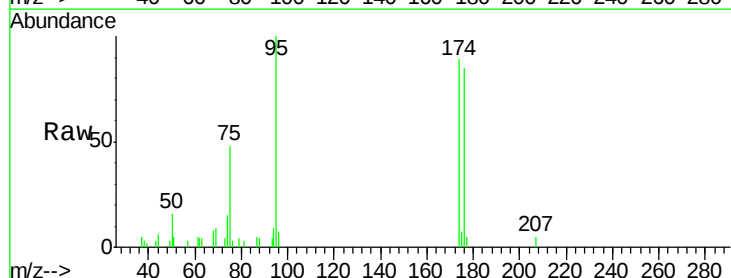
Tgt Ion: 95 Resp: 12911

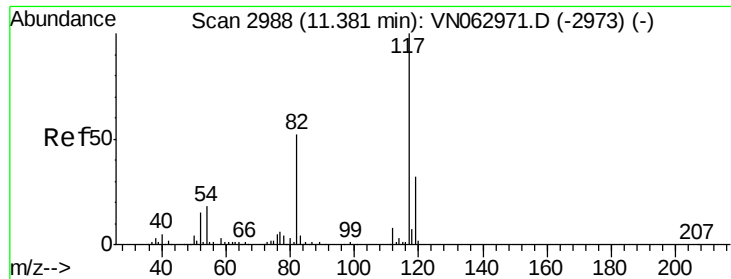
Ion Ratio Lower Upper

95 100

174 89.1 0.0 185.2

176 89.1 0.0 178.8





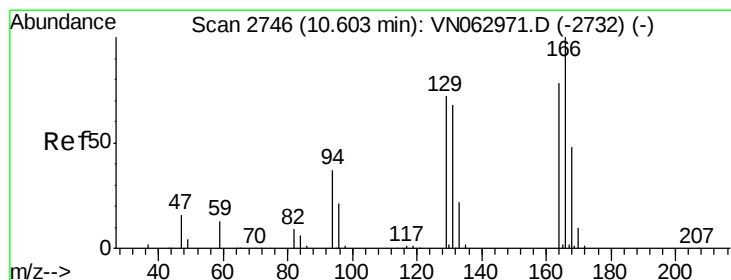
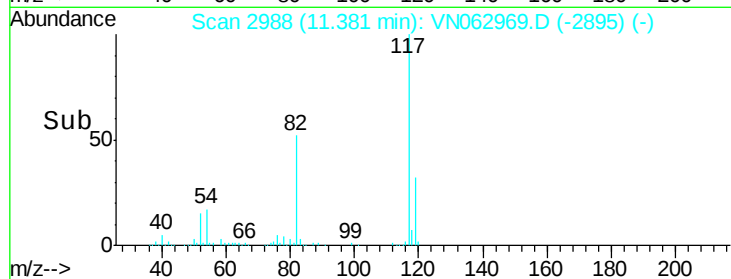
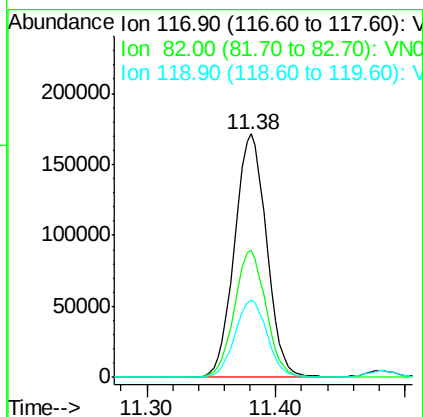
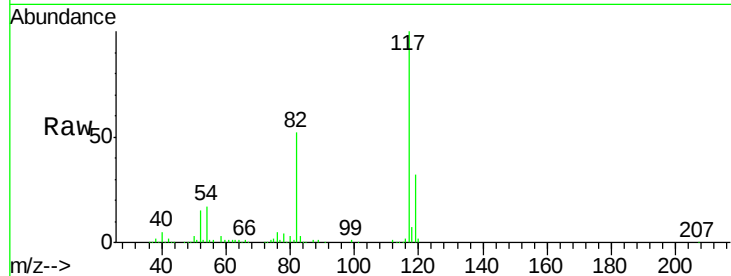
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296202		
82	52.2		41.3	61.9
119	31.8		25.8	38.8

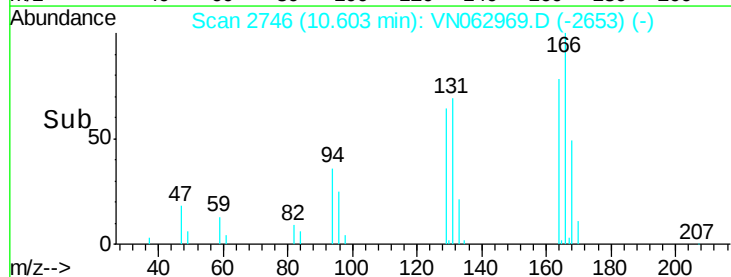
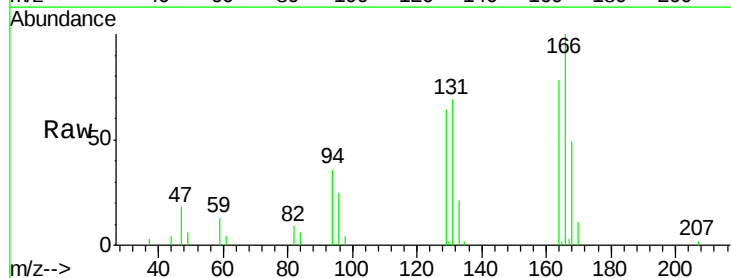
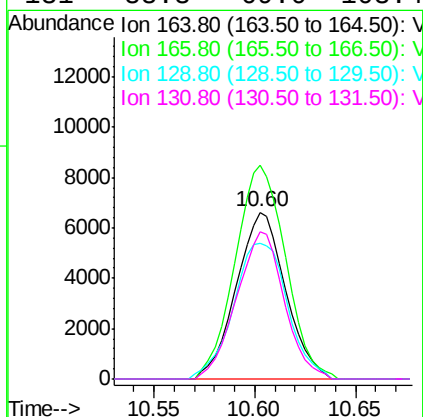
Manual Integrations
APPROVED

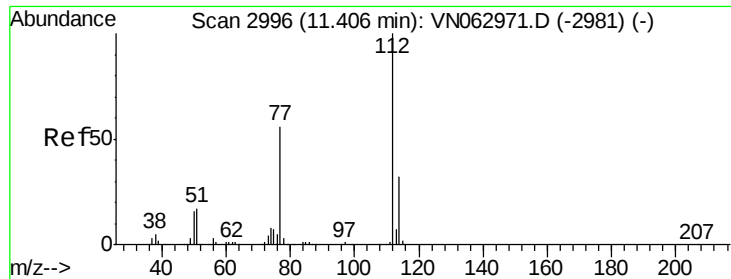
MMDadoda
8/18/2020 11:12:46 AM



#64
Tetrachloroethene
Concen: 5.834 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	11304		
166	128.3		101.9	152.9
129	81.5		73.1	109.7
131	88.3		69.0	103.4





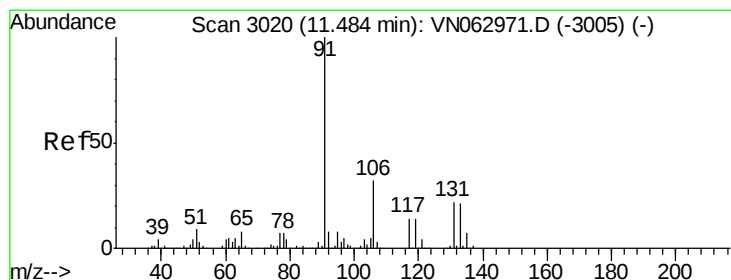
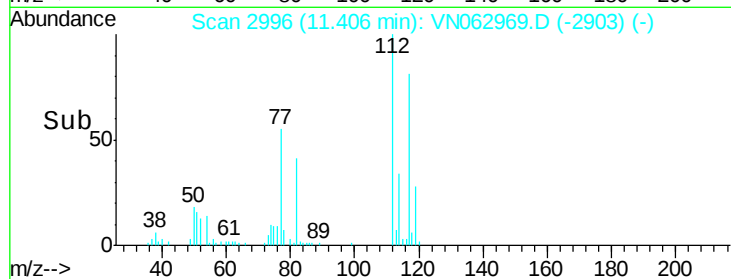
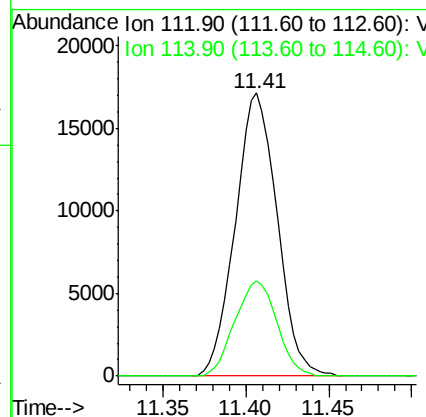
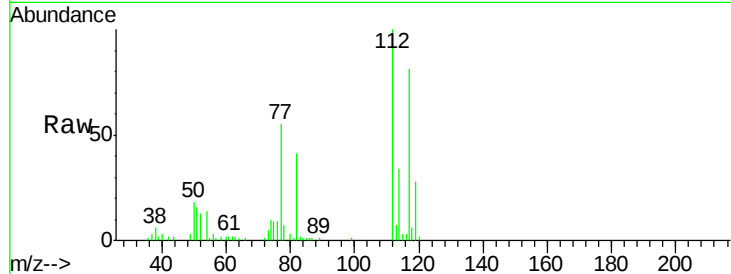
#65
Chlorobenzene
Concen: 4.883 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.4	38.2

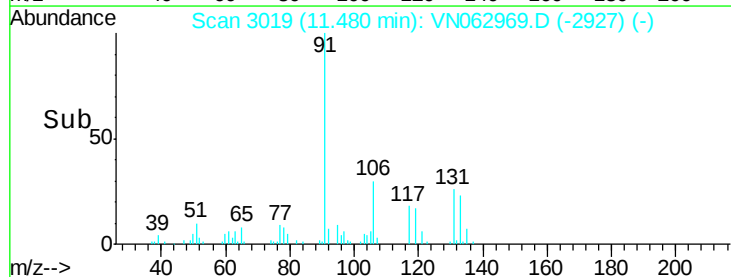
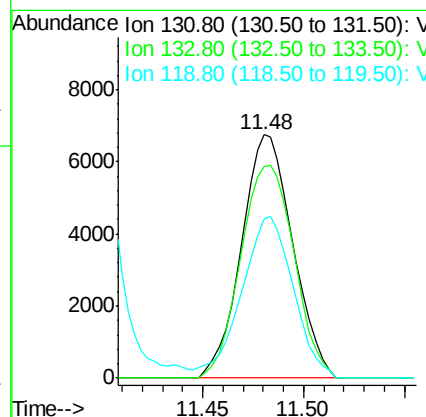
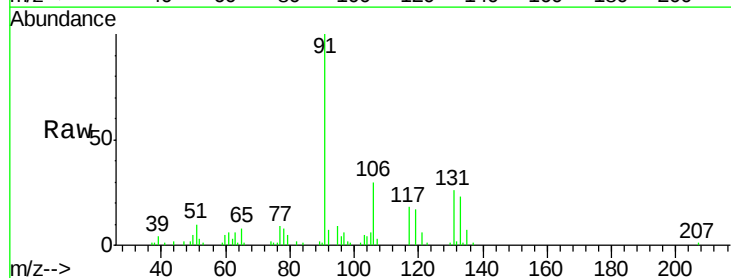
Manual Integrations
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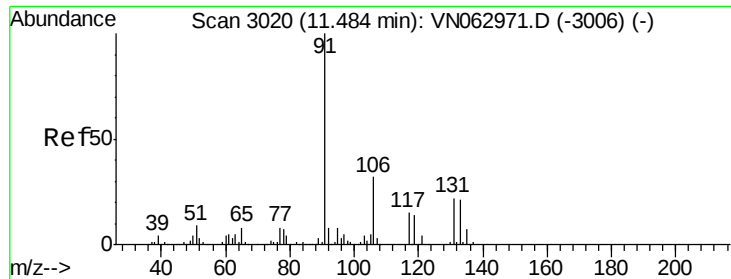
MMDadoda
8/18/2020 11:12:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.875 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.4	47.8	143.4
119	67.0	32.4	97.0





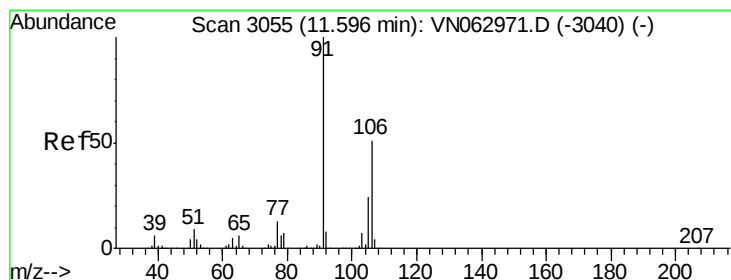
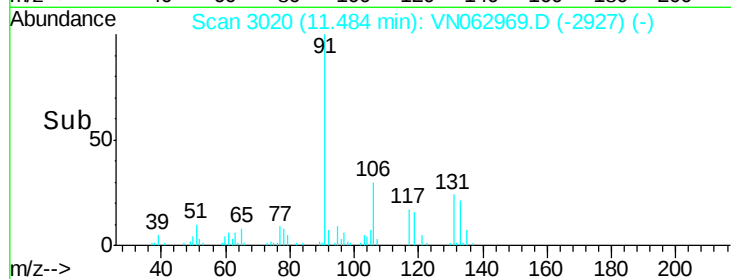
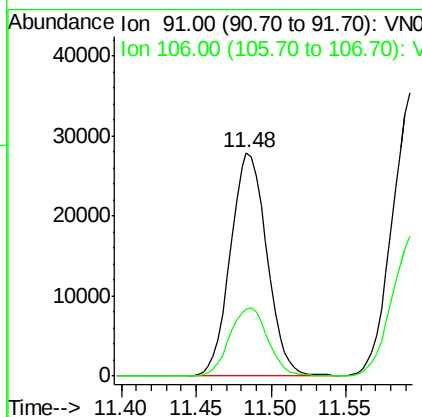
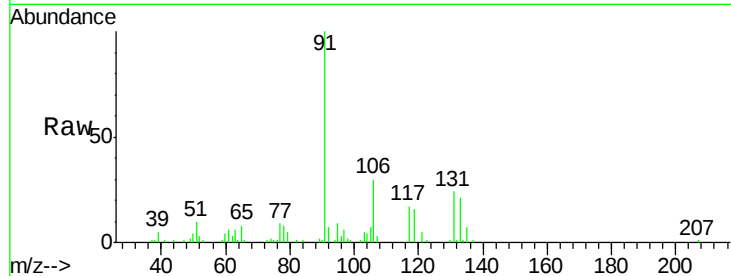
#67
Ethyl Benzene
Concen: 4.359 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 47424
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9

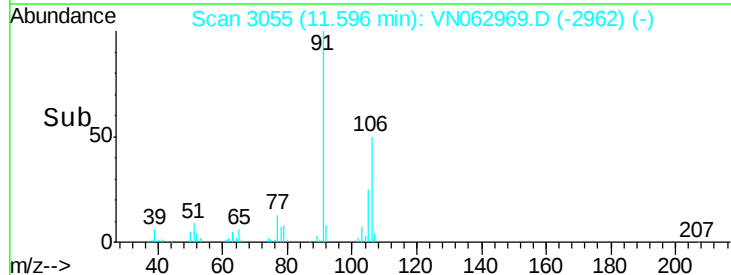
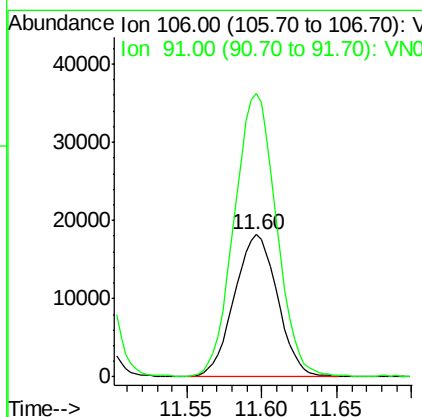
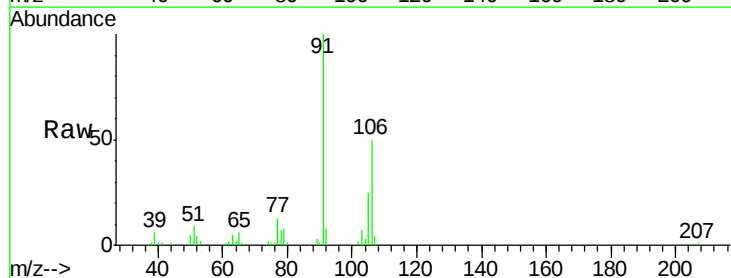
Manual Integrations
APPROVED

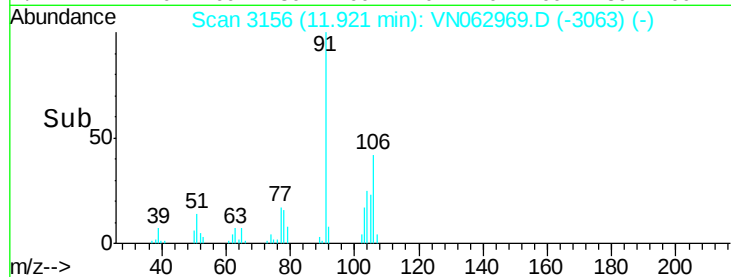
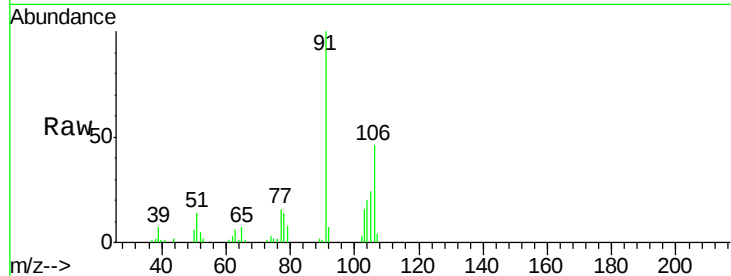
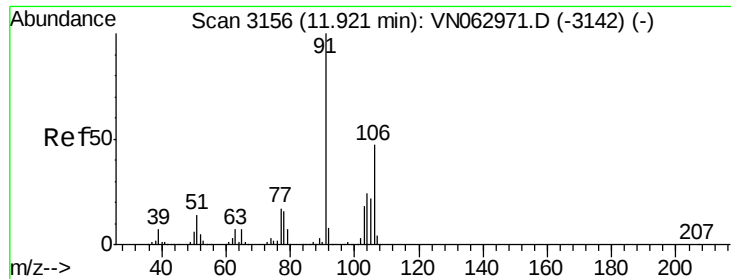
MMDadoda
8/18/2020 11:12:46 AM



#68
m/p-Xylenes
Concen: 9.148 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion: 106 Resp: 36484
Ion Ratio Lower Upper
106 100
91 195.2 158.7 238.1





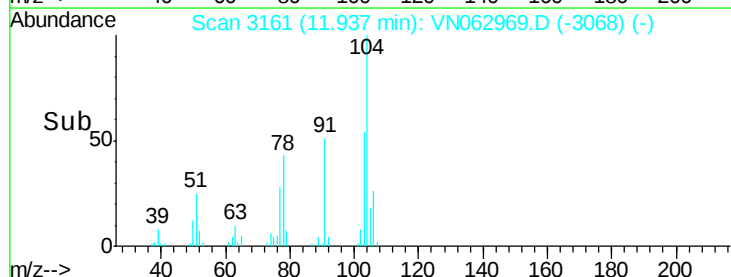
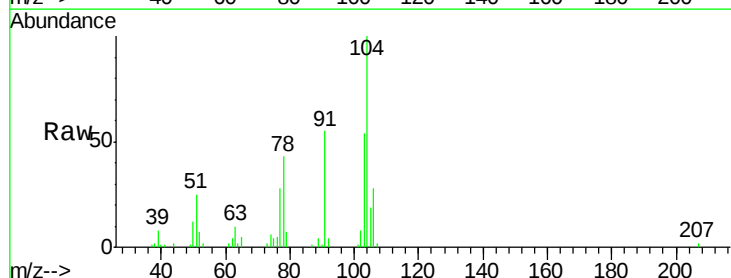
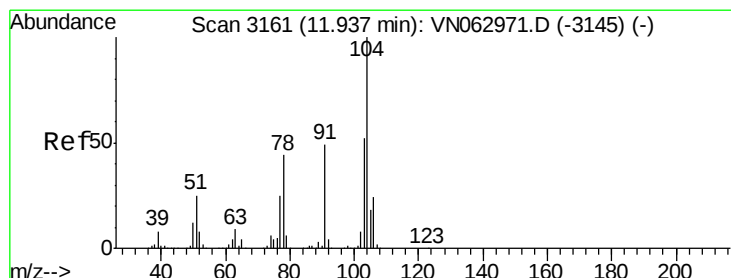
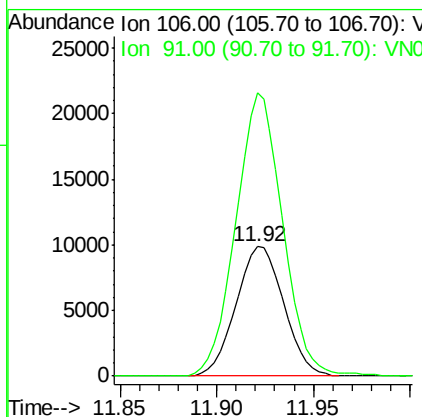
#69
o-Xylene
Concen: 4.536 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	106.3	318.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

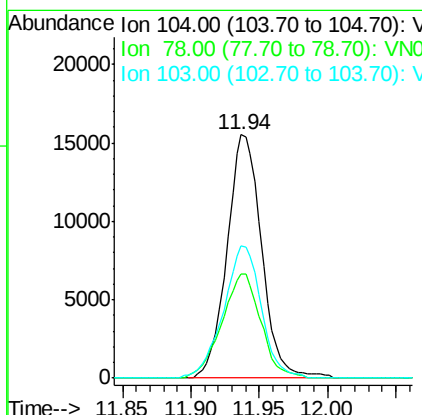
Manual Integrations
APPROVED

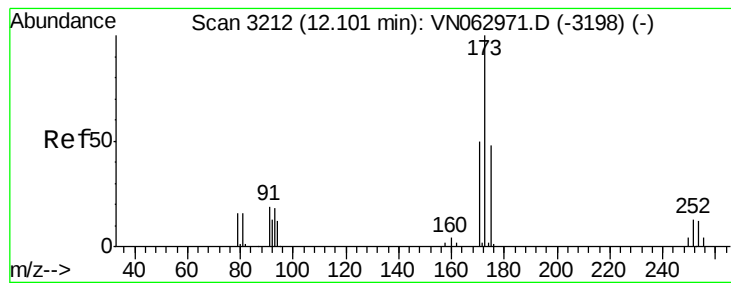
MMDadoda
8/18/2020 11:12:46 AM



#70
Styrene
Concen: 4.181 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.4
103	59.2	44.9	67.3





#71

Bromoform

Concen: 4.717 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 9574

Ion Ratio Lower Upper

173 100

175 44.2 24.1 72.2

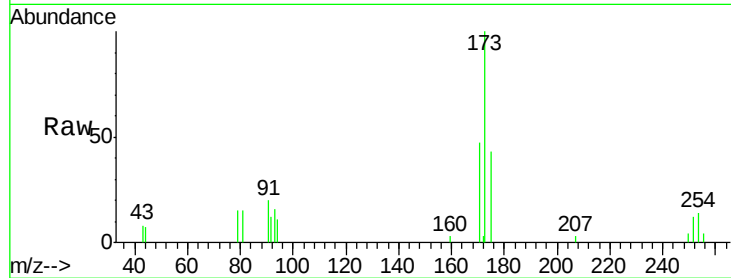
254 0.0 0.0 0.0

Manual Integrations

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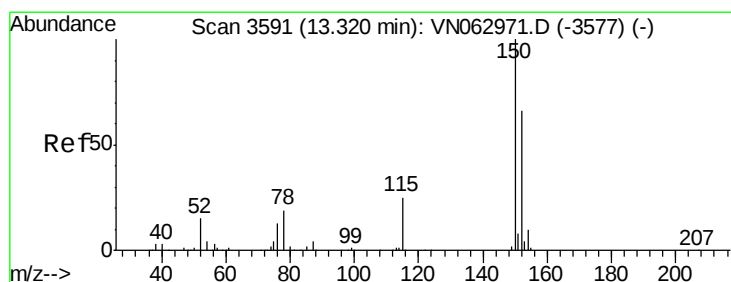
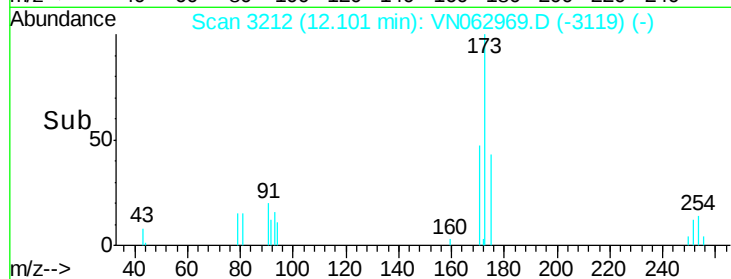
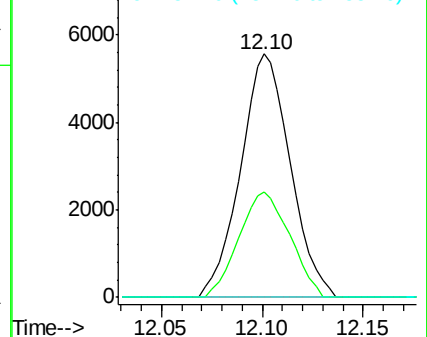
8/18/2020 11:12:46 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

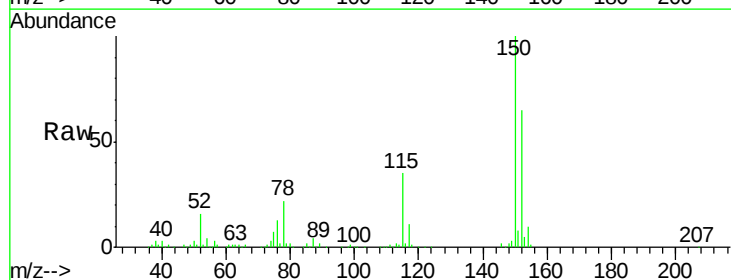
Tgt Ion:152 Resp: 129236

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.3

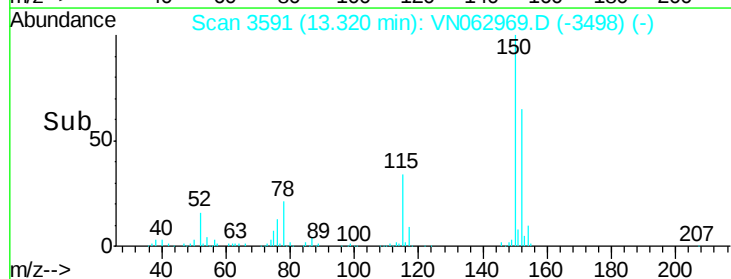
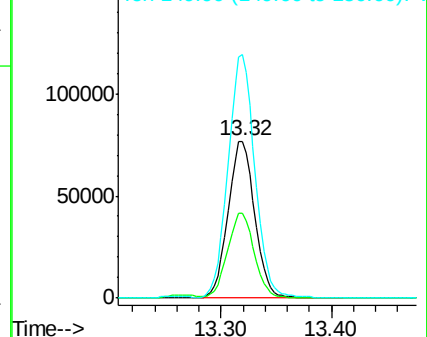
150 153.7 0.0 341.4

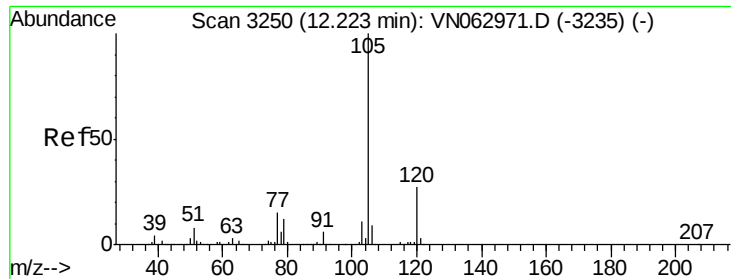


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





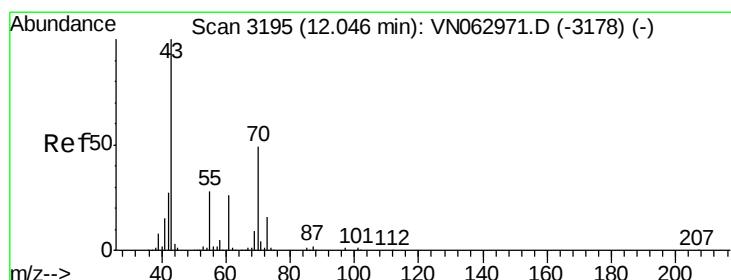
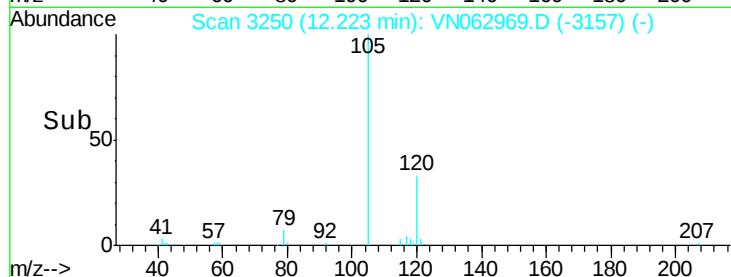
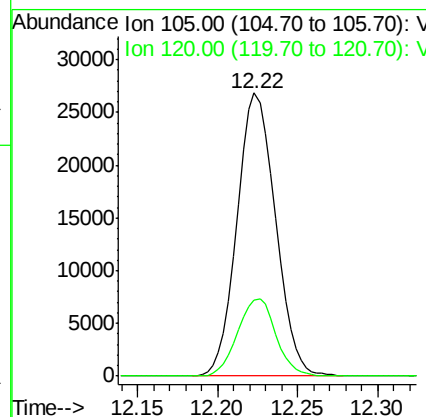
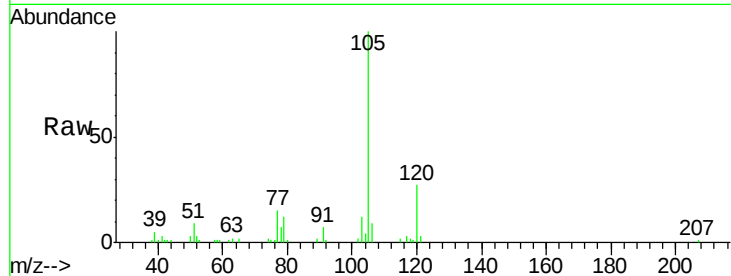
#73
Isopropylbenzene
Concen: 4.614 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	43966		
120	27.0		13.5	40.4

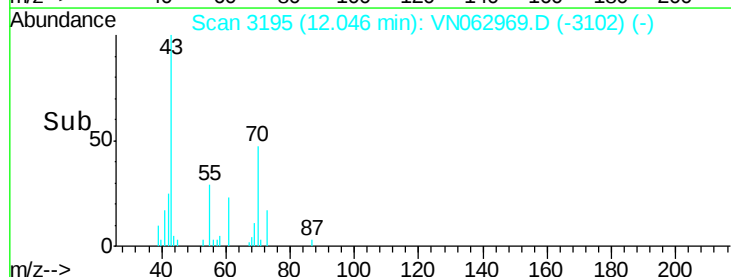
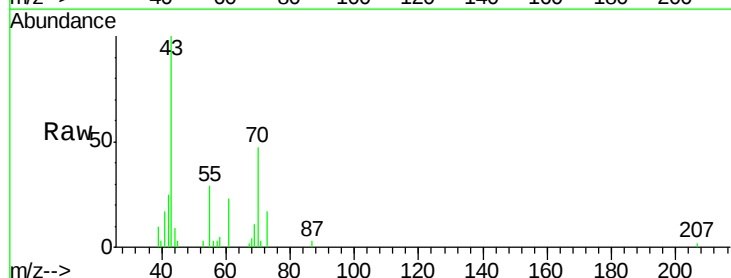
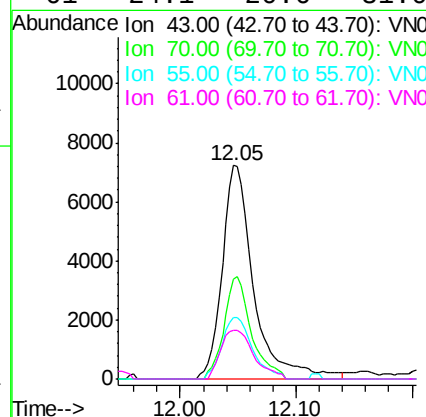
Manual Integrations
APPROVED

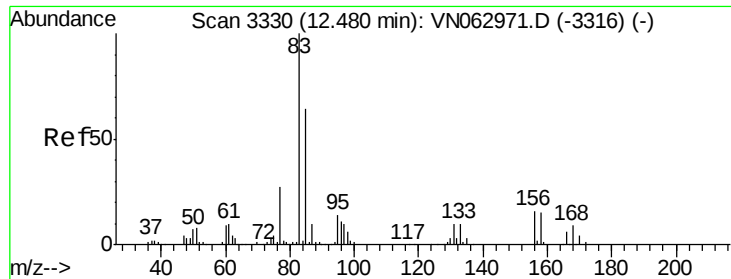
MMDadoda
8/18/2020 11:12:46 AM



#74
N-ethyl acetate
Concen: 3.667 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	13625		
70	41.2		38.4	57.6
55	28.1		21.9	32.9
61	24.1		20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.670 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

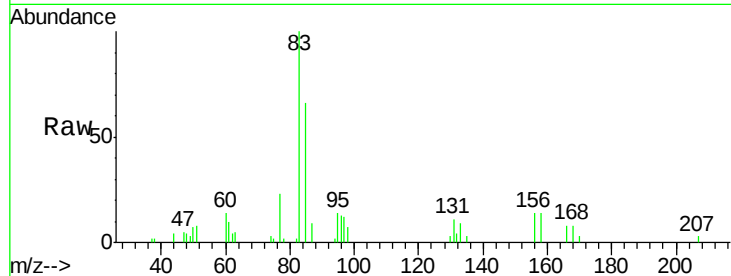
ClientSampled :

VSTDIC005

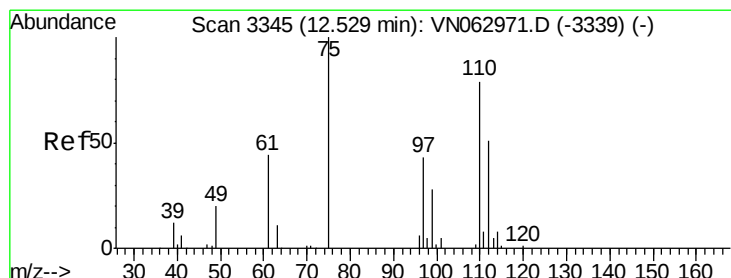
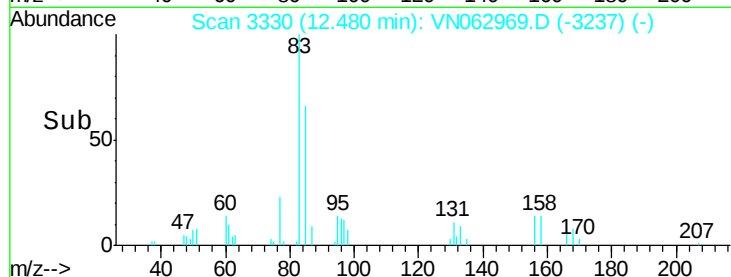
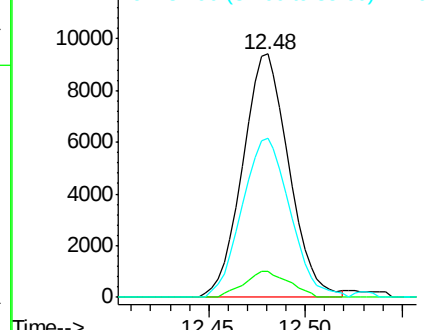
Tot Ion:	83	Resp:	15648
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	68.0	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062969.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 4.391 ug/l m

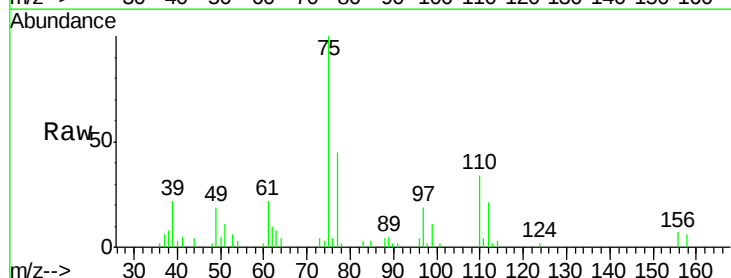
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

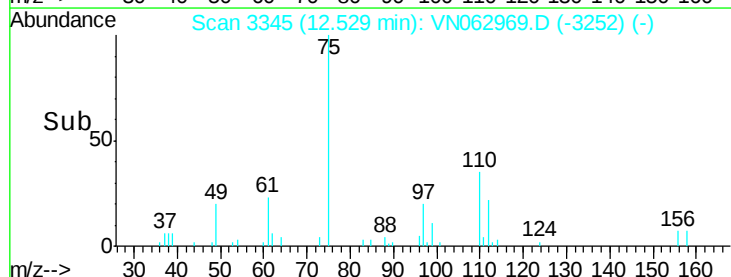
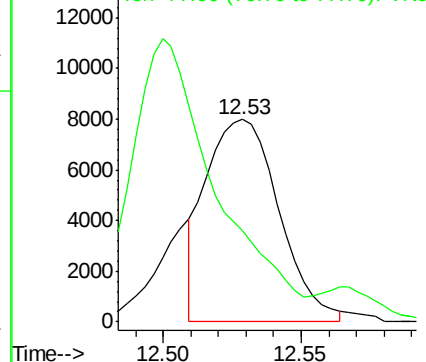
Lab File: VN062969.D

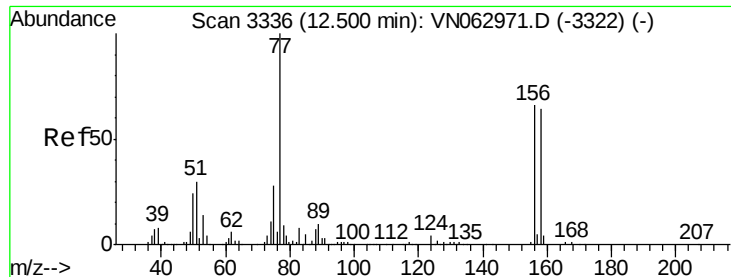
Acq: 17 Aug 2020 13:50

Tgt Ion:	75	Resp:	14692
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062969.D (-3252) (-)





#77

Bromobenzene

Concen: 5.298 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

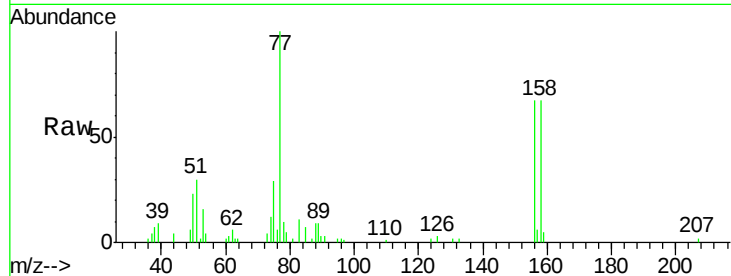
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	12869
Ion	Ratio	Lower	Upper
156	100		
77	187.7	92.4	277.2
158	102.9	48.6	145.8

Manual Integrations
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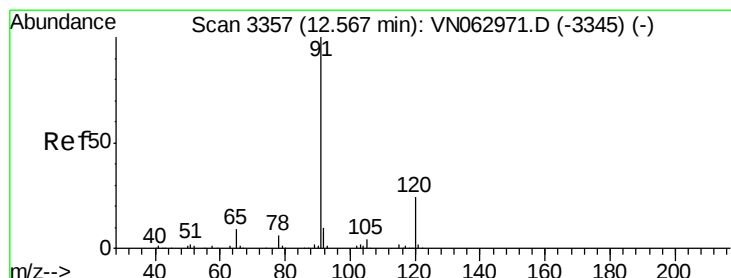
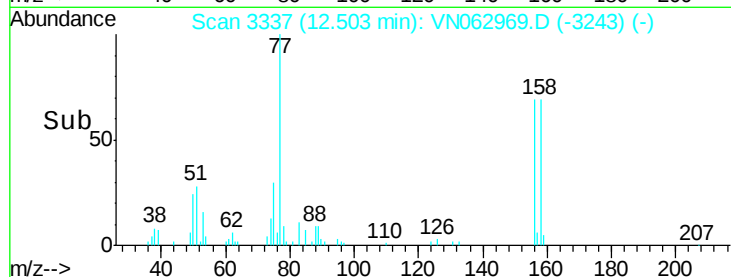
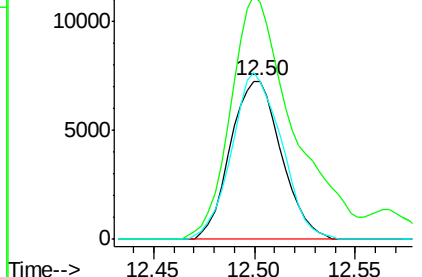
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.287 ug/l

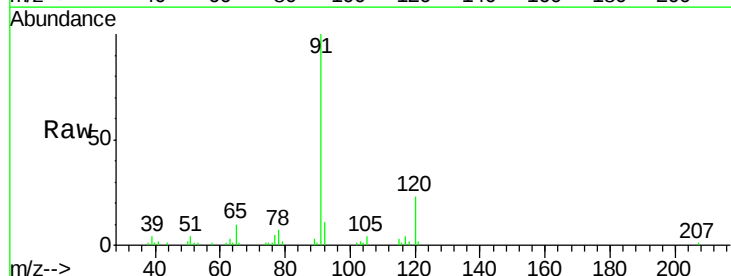
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062969.D

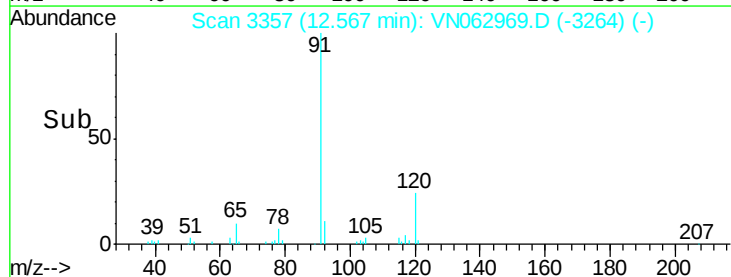
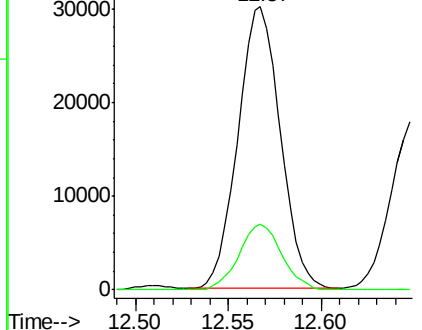
Acq: 17 Aug 2020 13:50

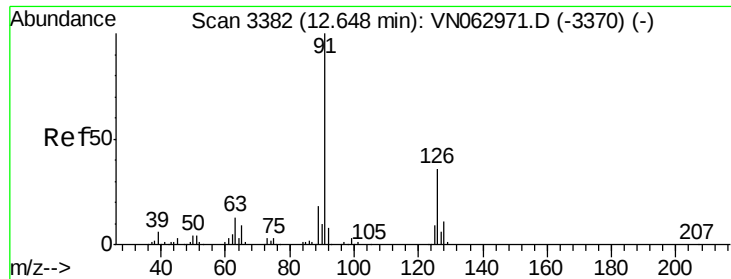
Tgt Ion:	91	Resp:	47780
Ion	Ratio	Lower	Upper
91	100		
120	23.4	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





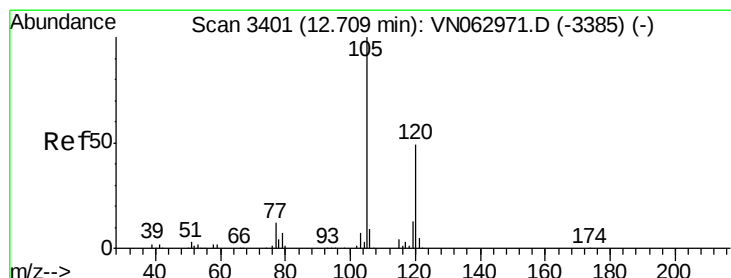
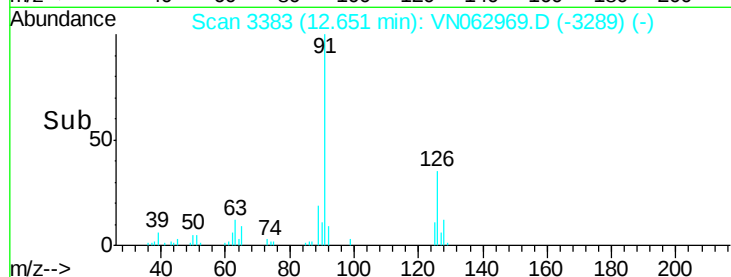
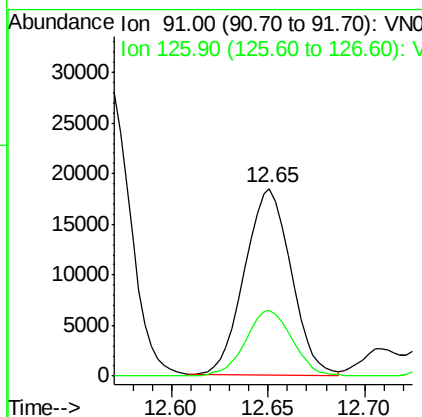
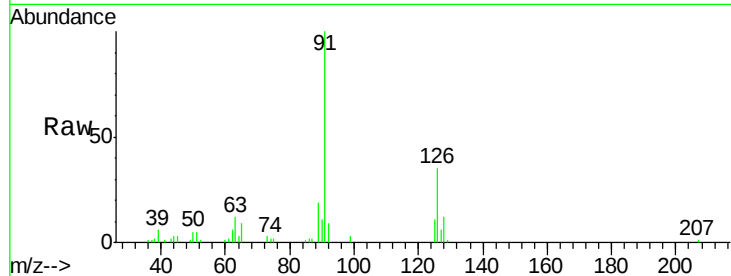
#79
 2-Chlorotoluene
 Concen: 4.438 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 30874
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.1 54.3

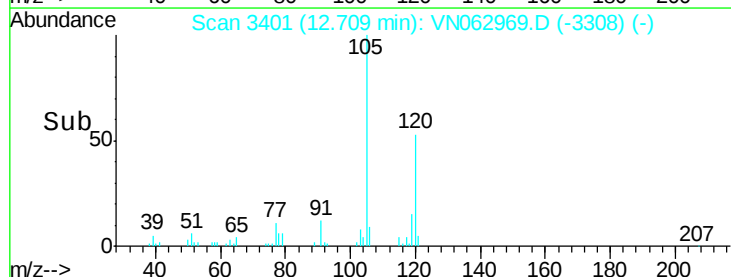
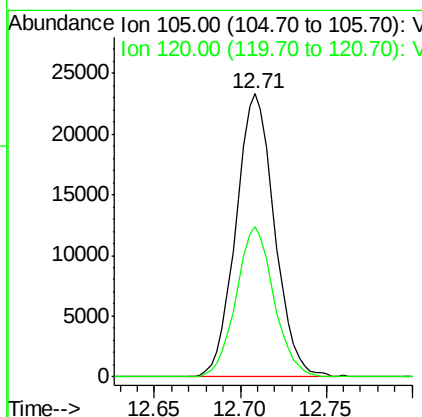
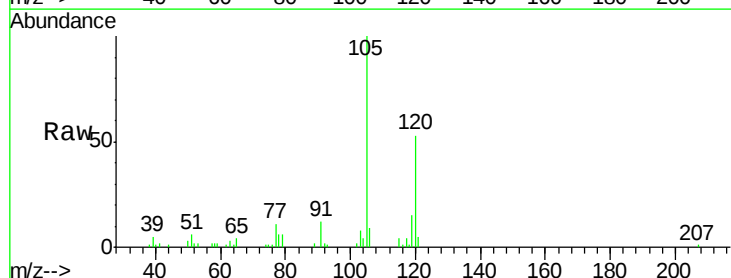
Manual Integrations
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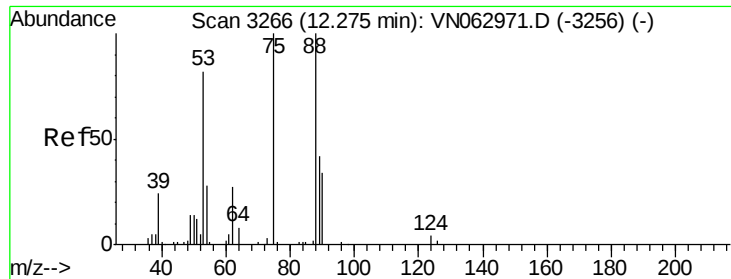
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.396 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion: 105 Resp: 36266
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 4.059 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

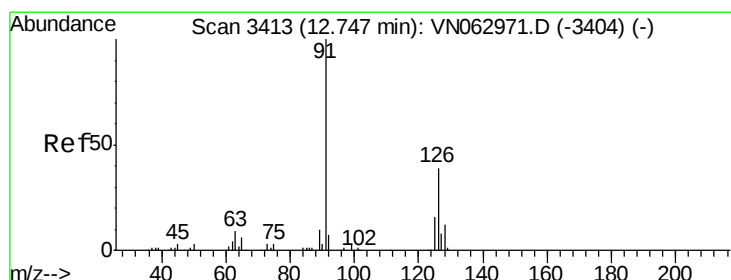
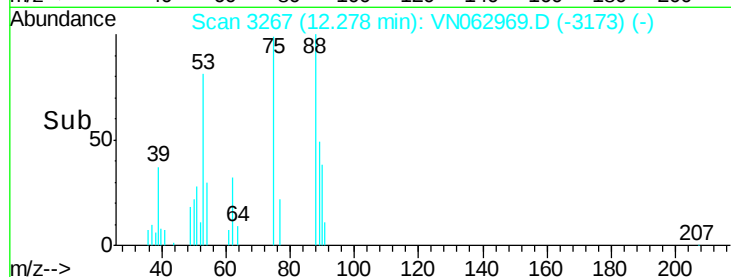
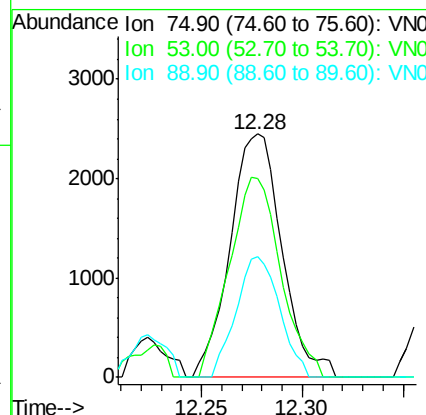
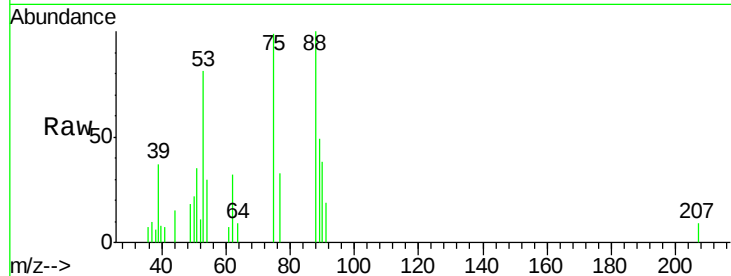
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4413
Ion	Ratio	Lower	Upper
75	100		
53	81.2	66.2	99.2
89	41.6	35.0	52.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.204 ug/l

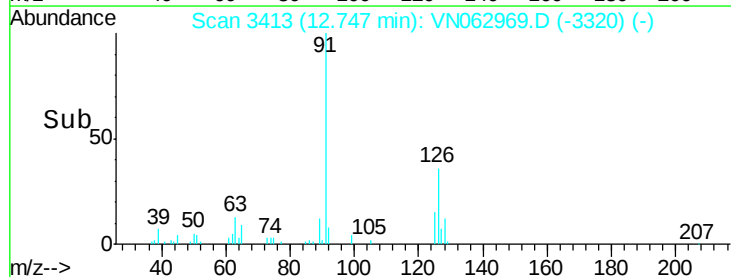
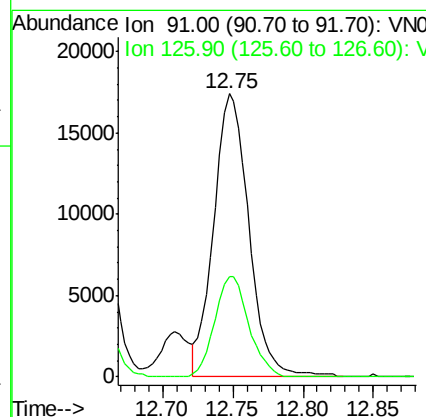
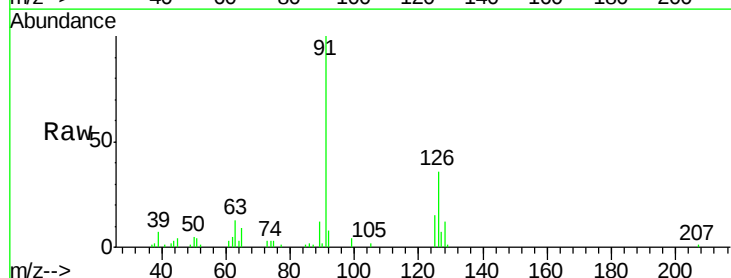
RT: 12.75 min Scan# 3413

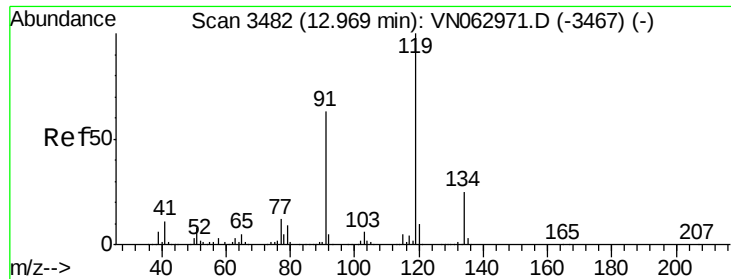
Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	91	Resp:	30202
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.6	52.8





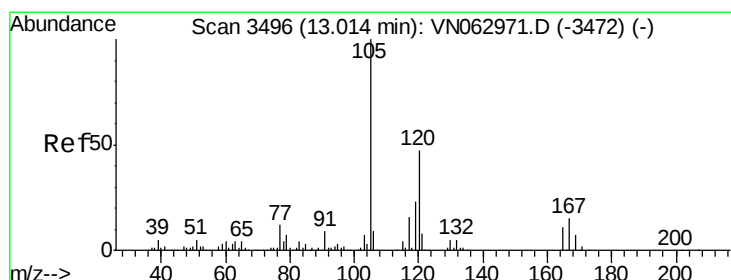
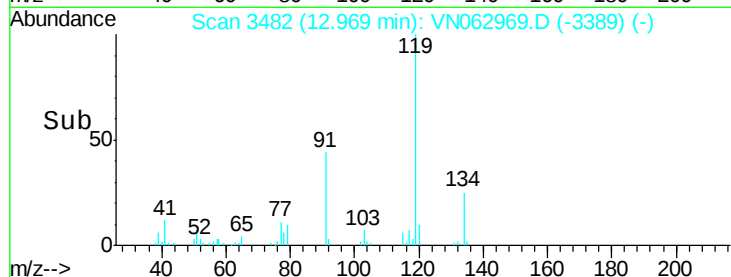
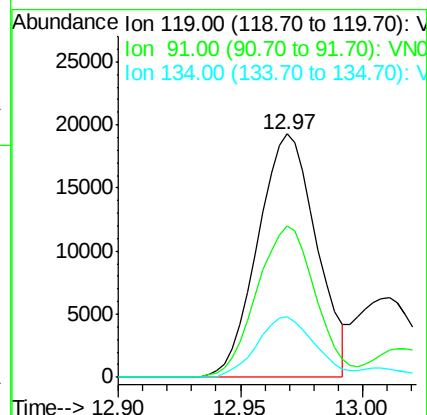
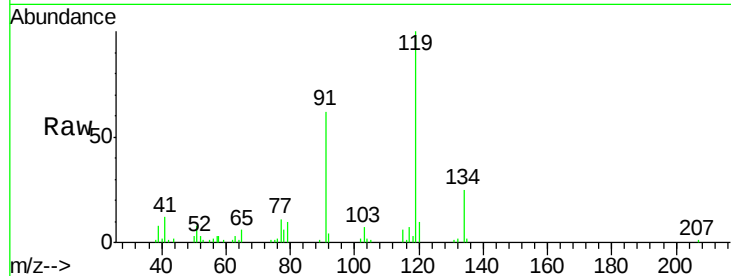
#83
tert-Butylbenzene
Concen: 4.592 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.0	93.0
134	24.1	13.3	39.8

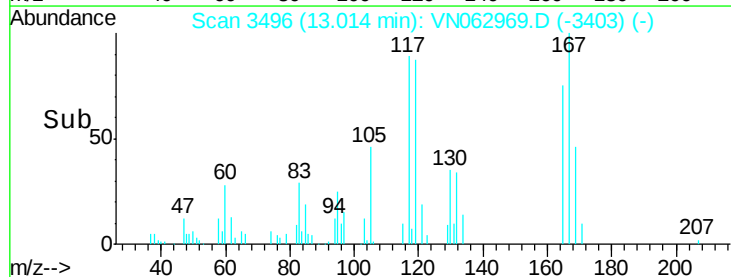
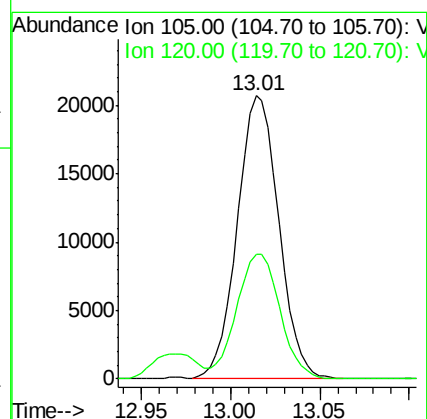
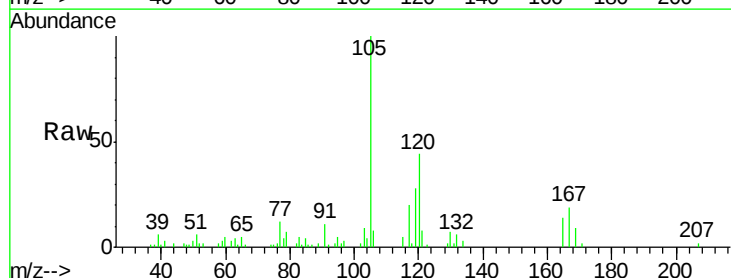
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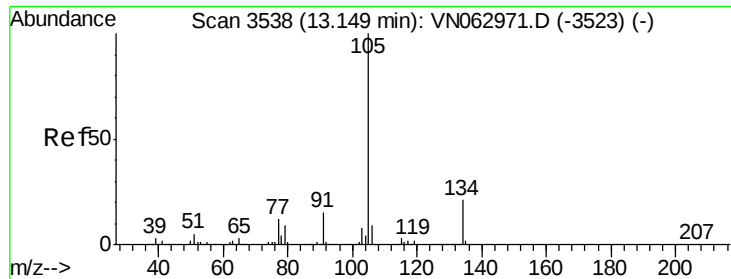
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#84
1,2,4-Trimethylbenzene
Concen: 4.246 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 4.467 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 41096

Ion Ratio Lower Upper

105 100

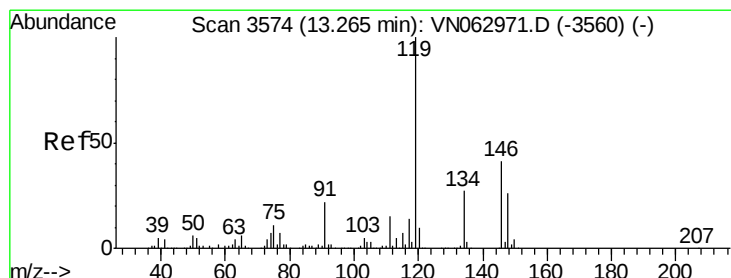
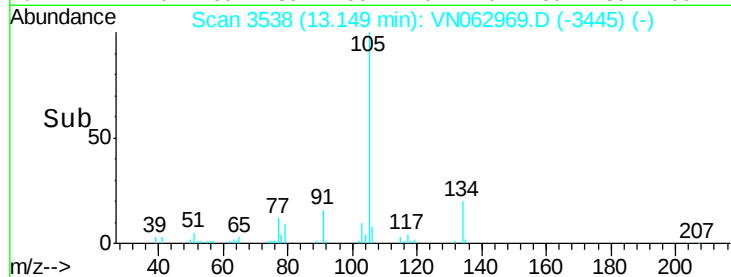
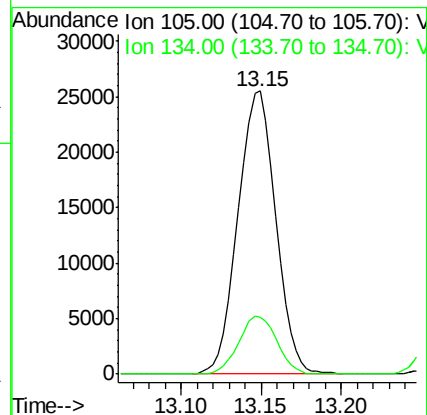
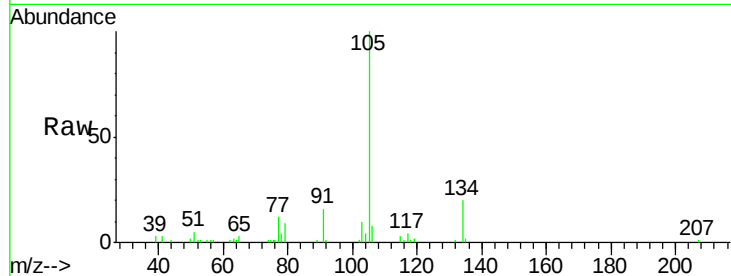
134 20.5 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.221 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

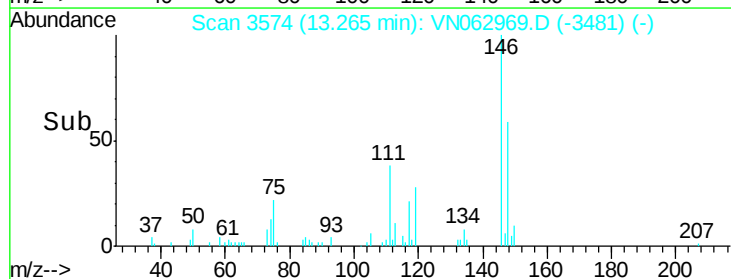
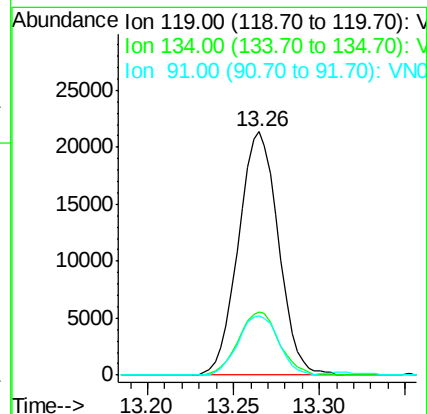
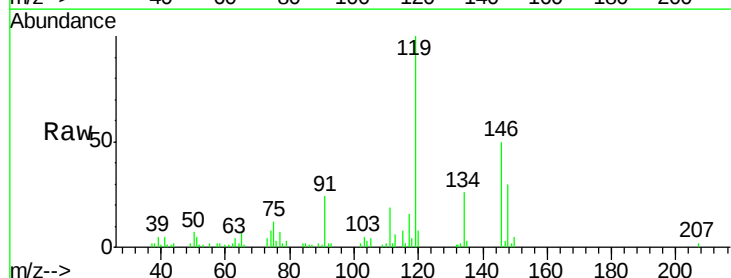
Tgt Ion:119 Resp: 34503

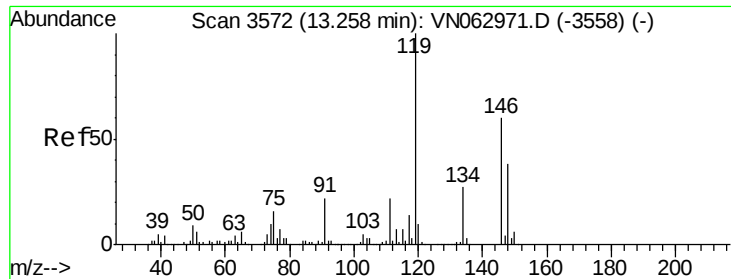
Ion Ratio Lower Upper

119 100

134 26.3 13.6 40.7

91 24.7 11.1 33.1





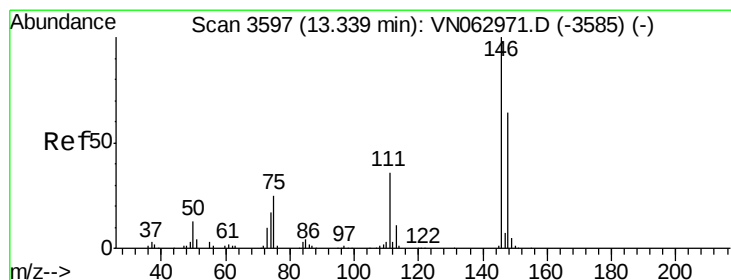
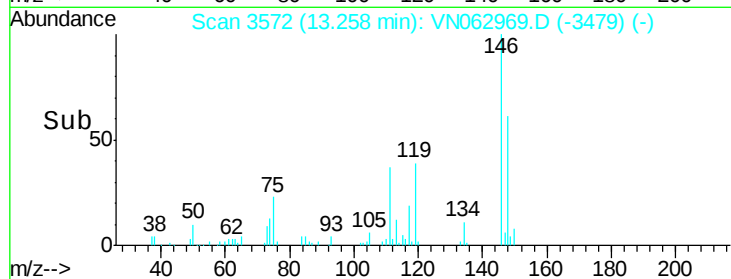
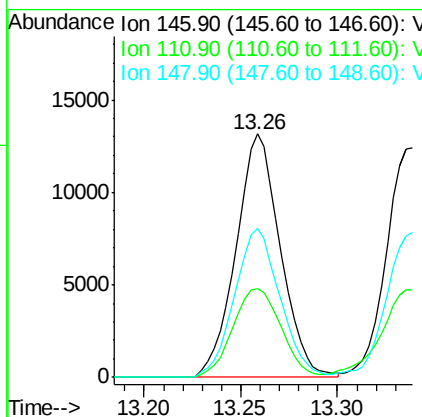
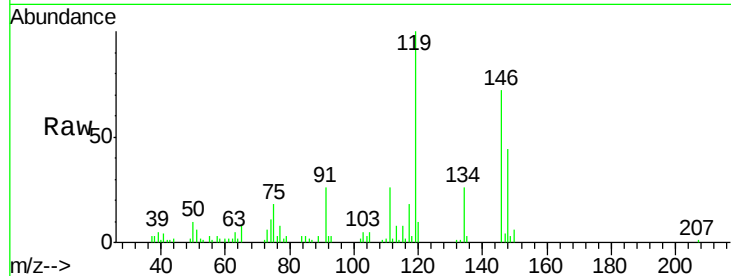
#87
 1,3-Dichlorobenzene
 Concen: 4.871 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.5
148	62.6	31.7	95.1

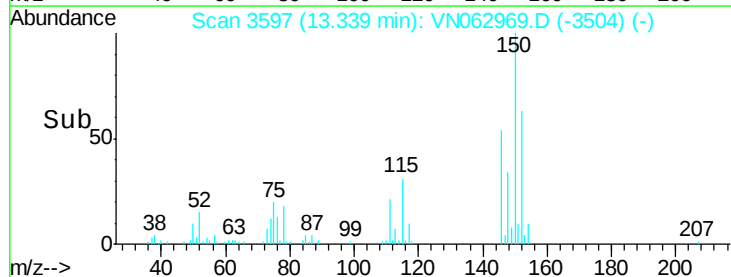
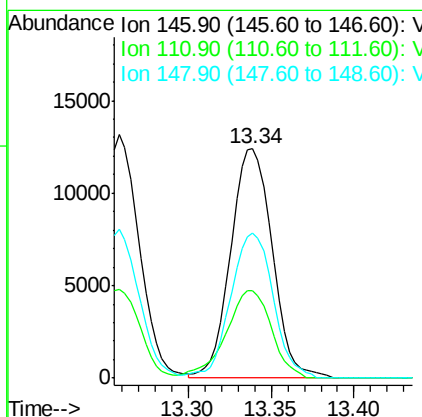
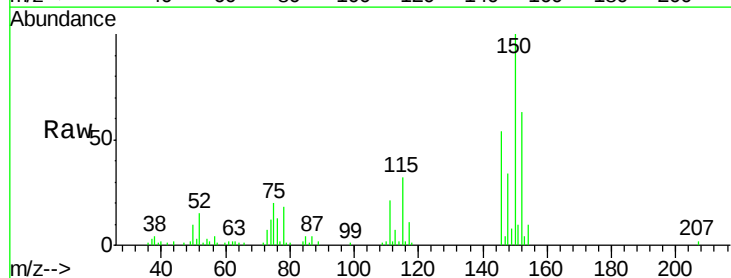
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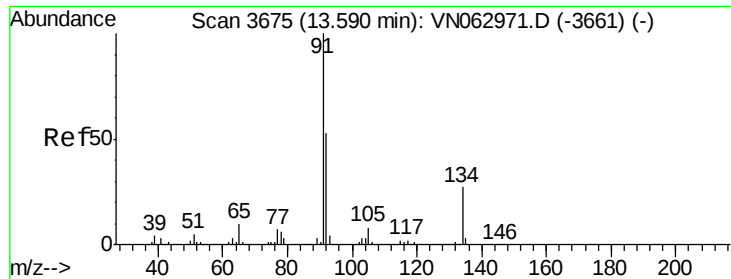
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#88
 1,4-Dichlorobenzene
 Concen: 5.011 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.4	55.2
148	64.8	32.1	96.5





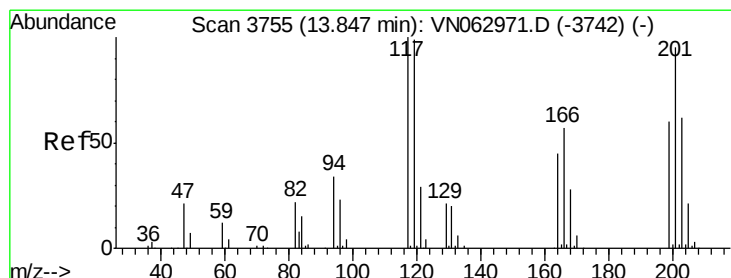
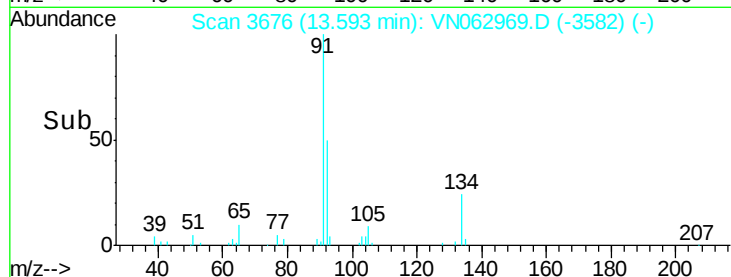
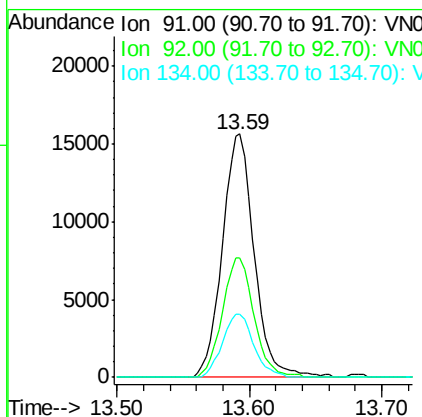
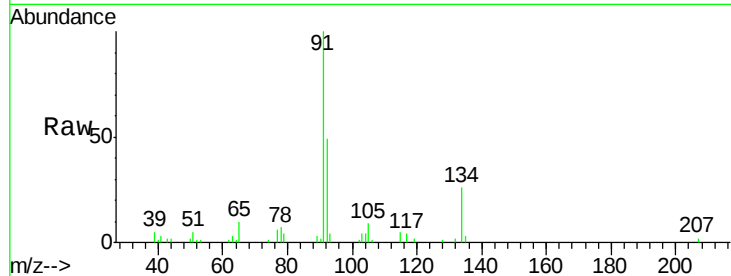
#89
n-Butylbenzene
Concen: 3.799 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.3	78.8
134	25.5	13.4	40.2

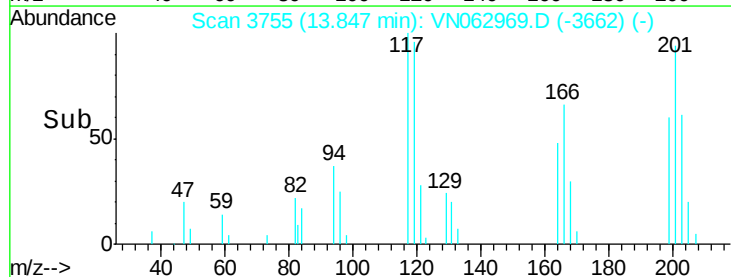
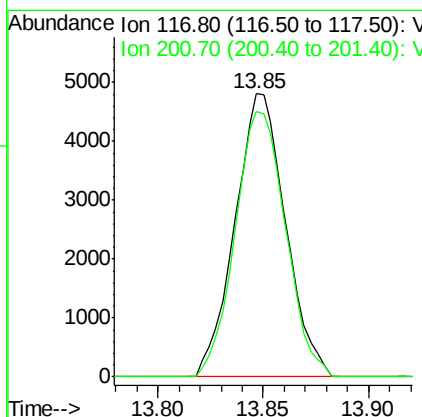
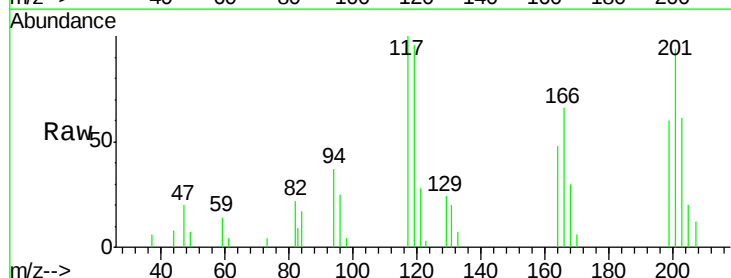
Manual Integrations
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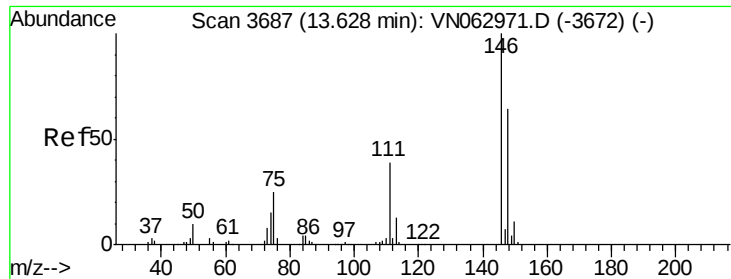
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#90
Hexachloroethane
Concen: 4.569 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062969.D
Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.7	48.4	145.3





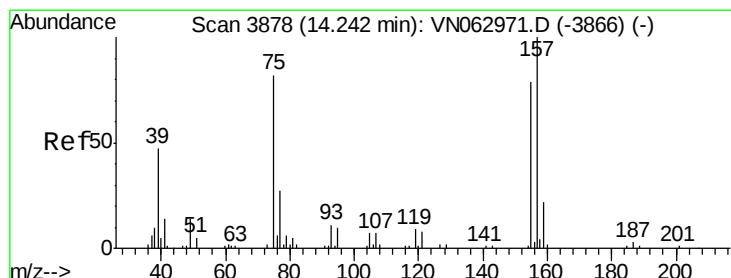
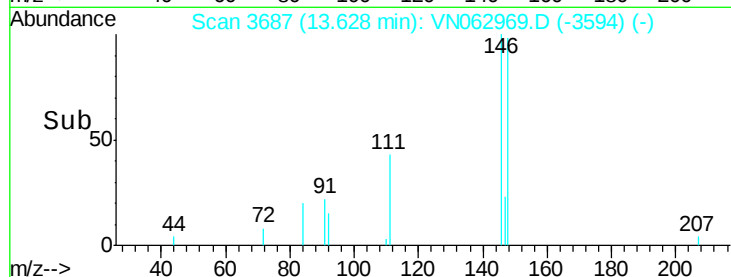
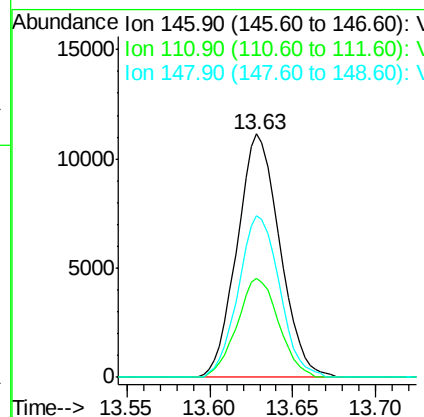
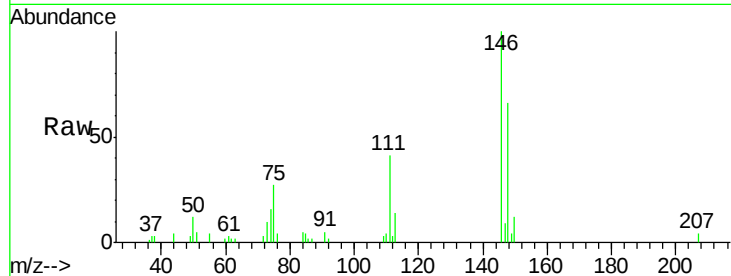
#91
 1,2-Dichlorobenzene
 Concen: 4.923 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.4
148	64.5	32.5	97.5

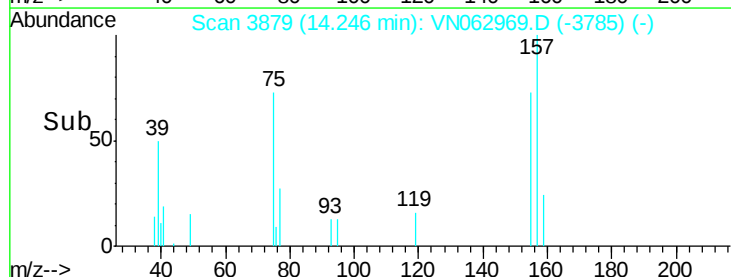
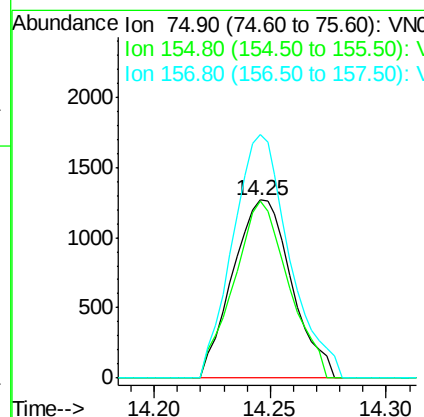
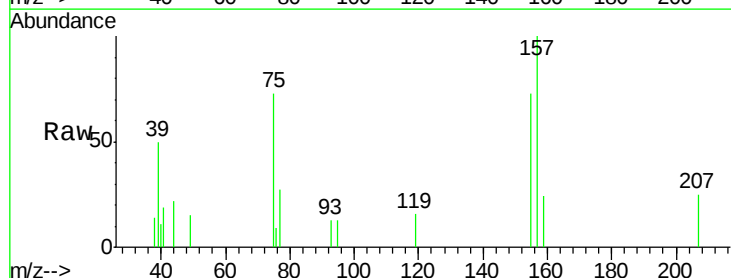
Manual Integrations
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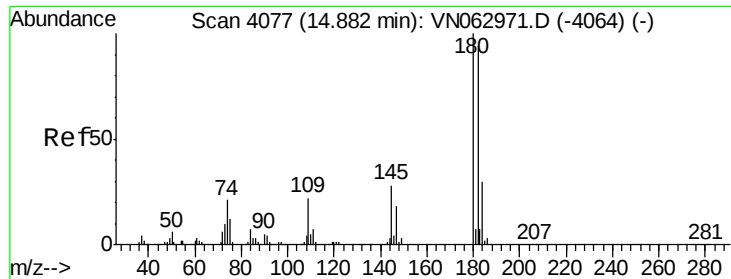
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.233 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	47.6	142.8
157	131.5	61.4	184.1





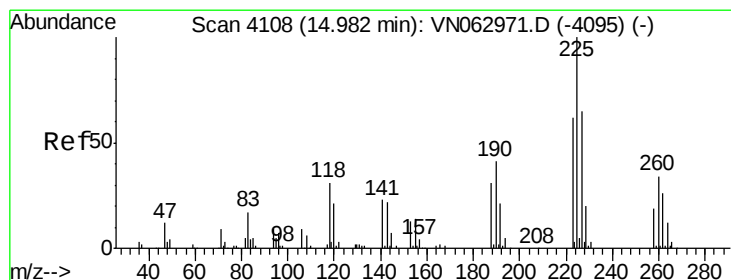
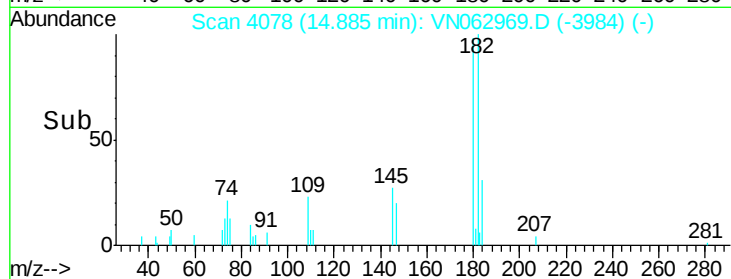
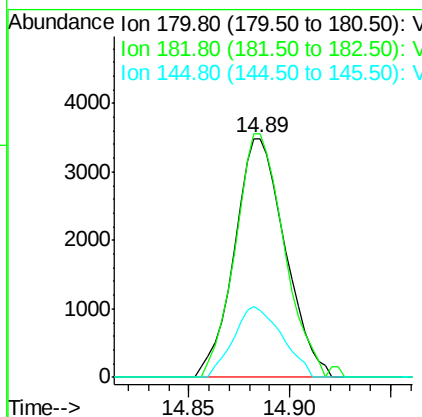
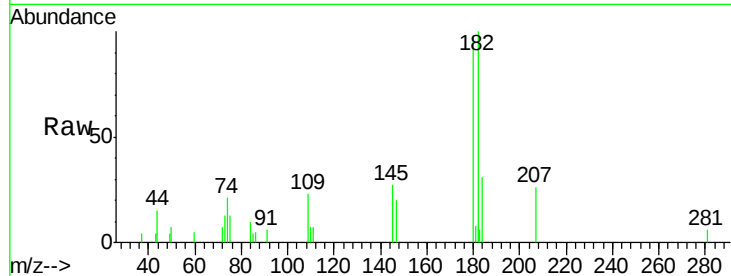
#93
 1,2,4-Trichlorobenzene
 Concen: 3.191 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6118		
182	98.1	47.8	143.3	
145	28.4	13.9	41.7	

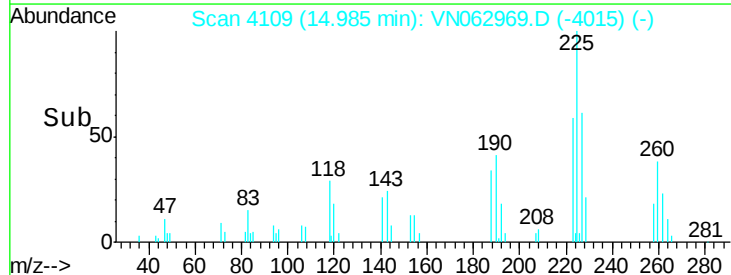
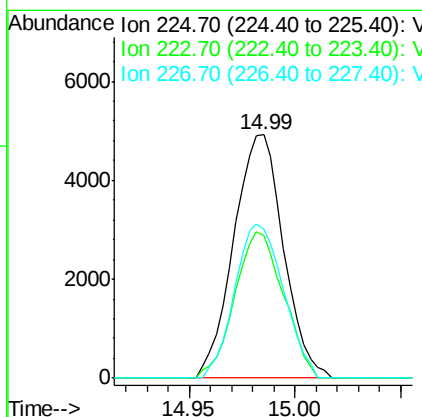
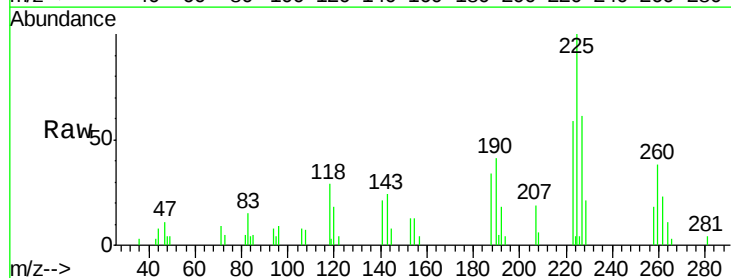
Manual Integrations
 APPROVED

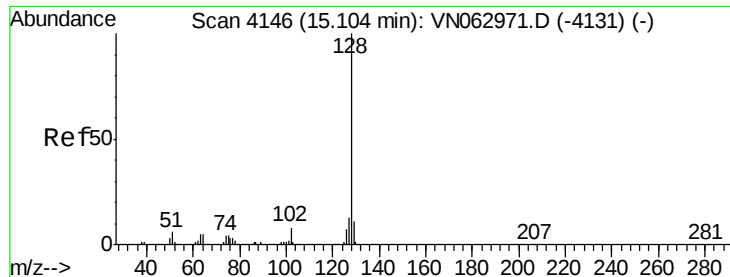
MMDadoda
 8/18/2020 11:12:46 AM



#94
 Hexachlorobutadiene
 Concen: 5.614 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062969.D
 Acq: 17 Aug 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8071		
223	58.8	30.9	92.5	
227	62.0	32.0	96.0	





#95

Naphthalene

Concen: 2.668 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Instrument :

MSVOA_N

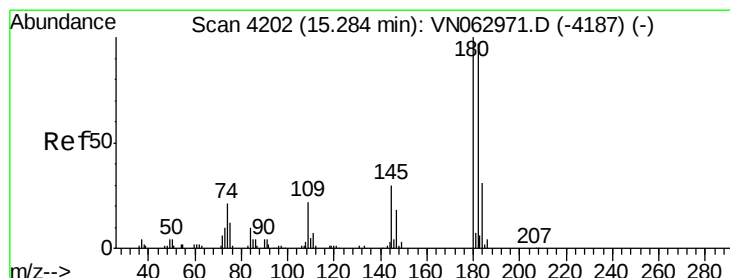
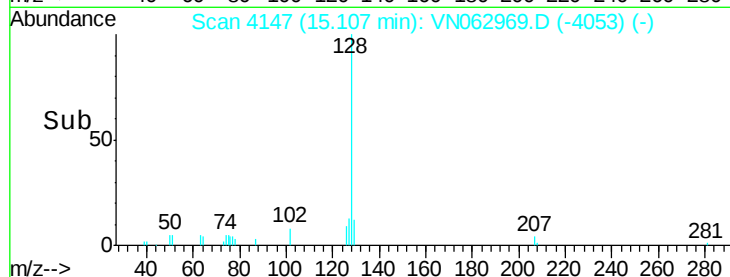
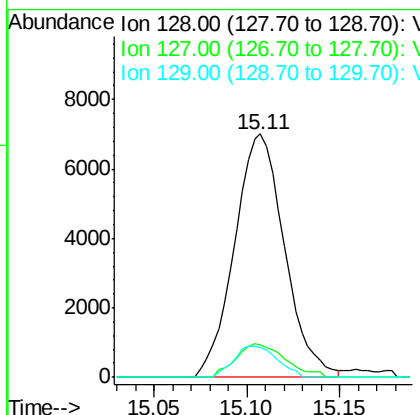
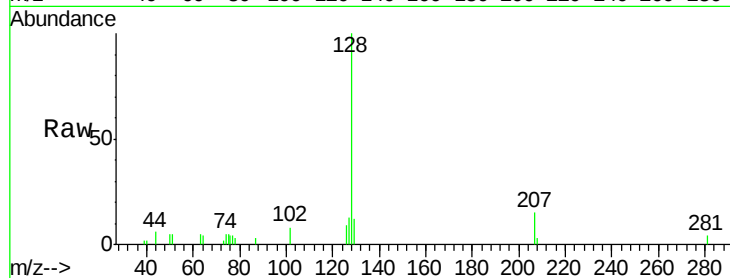
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	13130
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	11.2	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 3.604 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062969.D

Acq: 17 Aug 2020 13:50

Tgt Ion:	180	Resp:	6687
Ion Ratio	Lower	Upper	
180	100		
182	99.2	49.3	147.8
145	29.0	15.0	45.0

