

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064670.D
 Acq On : 16 Nov 2020 19:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 7:02:28 PM

Quant Time: Nov 17 05:20:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	350476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	607706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	563472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264077	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	274556	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
35) Dibromofluoromethane	7.55	113	197723	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.06	98	732132	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
62) 4-Bromofluorobenzene	12.38	95	279519	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	201124	44.084	ug/l	98
3) Chloromethane	2.04	50	233027	42.051	ug/l	97
4) Vinyl Chloride	2.17	62	262827	46.186	ug/l	99
5) Bromomethane	2.53	94	126985	34.930	ug/l	99
6) Chloroethane	2.67	64	167892	46.081	ug/l	99
7) Trichlorofluoromethane	2.99	101	414160	49.425	ug/l	96
8) Diethyl Ether	3.37	74	145016	49.006	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	183760	46.180	ug/l	99
10) Methyl Iodide	3.91	142	162213	35.083	ug/l	99
11) Tert butyl alcohol	4.75	59	169618	251.947	ug/l	99
12) 1,1-Dichloroethene	3.69	96	174020	46.427	ug/l	96
13) Acrolein	3.57	56	92547	221.619	ug/l	96
14) Allyl chloride	4.28	41	320023	43.645	ug/l	97
15) Acrylonitrile	4.94	53	474820	253.326	ug/l	100
16) Acetone	3.78	43	447700	192.525	ug/l	99
17) Carbon Disulfide	4.00	76	469778	41.910	ug/l	98
18) Methyl Acetate	4.28	43	241474	52.819	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	657880	48.767	ug/l	98
20) Methylene Chloride	4.50	84	214178	46.421	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	192952	45.338	ug/l	97
22) Diisopropyl ether	5.91	45	702646	45.144	ug/l	98
23) Vinyl Acetate	5.85	43	2980331	235.379	ug/l	98
24) 1,1-Dichloroethane	5.80	63	391882	45.819	ug/l	99
25) 2-Butanone	6.79	43	670320	226.238	ug/l	95
26) 2,2-Dichloropropane	6.78	77	339071	43.794	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	228460	46.327	ug/l	96
28) Bromochloromethane	7.15	49	179273	42.643	ug/l	94
29) Tetrahydrofuran	7.17	42	436776	240.276	ug/l	96
30) Chloroform	7.33	83	417485	46.437	ug/l	99
31) Cyclohexane	7.61	56	301450	40.621	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	379955	47.650	ug/l	98
36) 1,1-Dichloropropene	7.75	75	301434	46.952	ug/l	99
37) Ethyl Acetate	6.88	43	292195	44.922	ug/l	99
38) Carbon Tetrachloride	7.73	117	328961	47.944	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	275736	47.912	ug/l	99
40) Benzene	8.00	78	858385	45.501	ug/l	100
41) Methacrylonitrile	7.13	41	134681	47.318	ug/l	96
42) 1,2-Dichloroethane	8.09	62	359287	47.193	ug/l	100
43) Isopropyl Acetate	8.13	43	495133	47.590	ug/l	99
44) Trichloroethene	8.80	130	221167	46.467	ug/l	100
45) 1,2-Dichloropropane	9.08	63	234906	46.667	ug/l	100
46) Dibromomethane	9.17	93	164261	49.572	ug/l	98
47) Bromodichloromethane	9.37	83	345248	48.456	ug/l	99
48) Methyl methacrylate	9.17	41	249157	47.459	ug/l	97
49) 1,4-Dioxane	9.17	88	70481	1019.258	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1534520	252.913	ug/l	98
52) Toluene	10.13	92	547988	47.626	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	366025	48.457	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	383679	47.507	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	218282	48.644	ug/l	97
56) Ethyl methacrylate	10.40	69	325652	44.325	ug/l	98
57) 1,3-Dichloropropane	10.68	76	380018	48.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	841631	242.005	ug/l	96
59) 2-Hexanone	10.72	43	1102626	223.298	ug/l	99
60) Dibromochloromethane	10.87	129	258930	51.538	ug/l	98
61) 1,2-Dibromoethane	10.98	107	229722	50.471	ug/l	99
64) Tetrachloroethene	10.60	164	203653	46.920	ug/l	97
65) Chlorobenzene	11.41	112	582120	47.126	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	227751	49.422	ug/l	97
67) Ethyl Benzene	11.48	91	1076489	48.994	ug/l	99
68) m/p-Xylenes	11.59	106	781727	98.104	ug/l	98
69) o-Xylene	11.92	106	370902	48.169	ug/l	98
70) Styrene	11.94	104	649411	50.121	ug/l	99
71) Bromoform	12.10	173	169101	48.899	ug/l #	99
73) Isopropylbenzene	12.22	105	1024774	48.823	ug/l	100
74) N-amyl acetate	12.05	43	439394	43.329	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	309560	48.016	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	317934m	49.690	ug/l	
77) Bromobenzene	12.50	156	238529	46.547	ug/l	98
78) n-propylbenzene	12.57	91	1204570	50.338	ug/l	100
79) 2-Chlorotoluene	12.65	91	710436	46.809	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	849989	49.087	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	106610	46.522	ug/l	99
82) 4-Chlorotoluene	12.75	91	762096	47.947	ug/l	99
83) tert-Butylbenzene	12.97	119	692471	51.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	977542	56.157	ug/l	99
85) sec-Butylbenzene	13.15	105	909188	53.083	ug/l	100
86) p-Isopropyltoluene	13.26	119	815189	52.914	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	424308	47.899	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	425775	46.510	ug/l	98
89) n-Butylbenzene	13.59	91	705954	53.296	ug/l	100
90) Hexachloroethane	13.85	117	160533	54.017	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	418332	49.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	67920	52.914	ug/l	96

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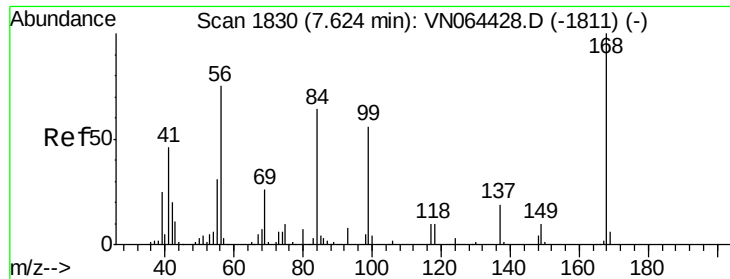
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	183978	43.767	ug/l	98
94) Hexachlorobutadiene	14.98	225	97198	56.026	ug/l	99
95) Naphthalene	15.10	128	588085	41.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	185782	45.577	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064670.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 350476

Ion Ratio Lower Upper

168 100

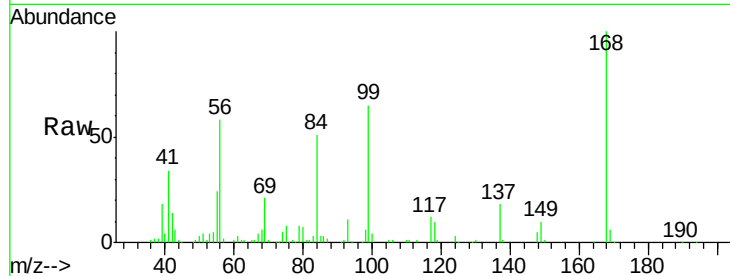
99 64.7 53.4 80.2

Manual Integrations

APPROVED

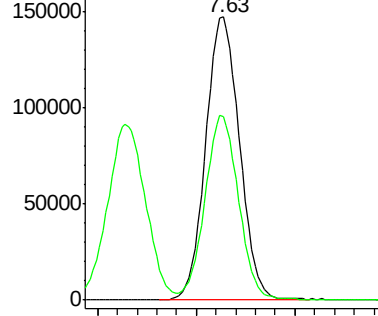
MMDadoda

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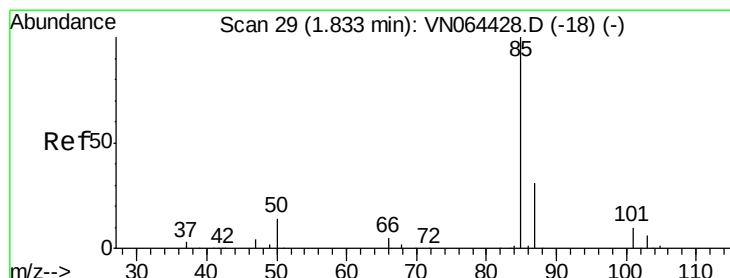
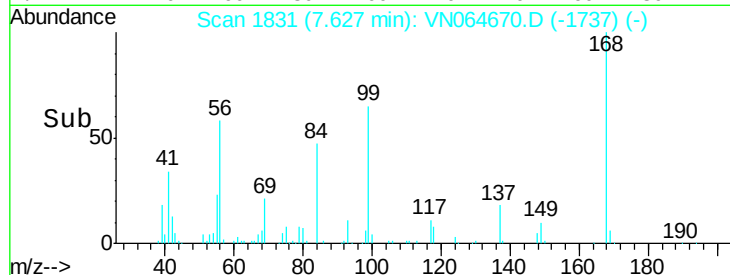


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 44.084 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064670.D

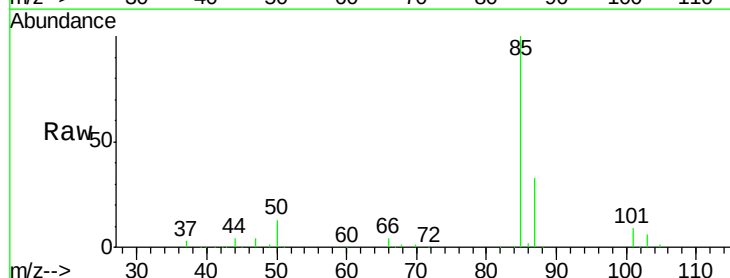
Acq: 16 Nov 2020 19:13

Tgt Ion: 85 Resp: 201124

Ion Ratio Lower Upper

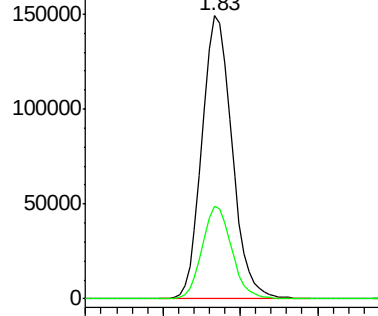
85 100

87 32.6 15.7 47.1

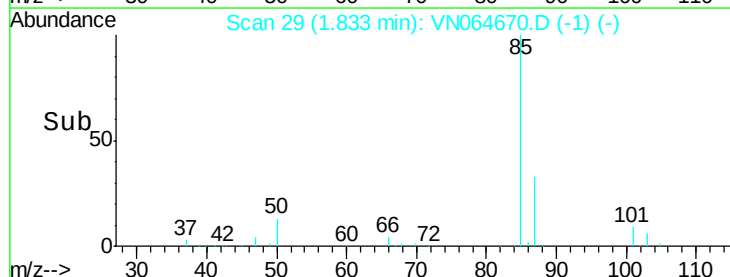


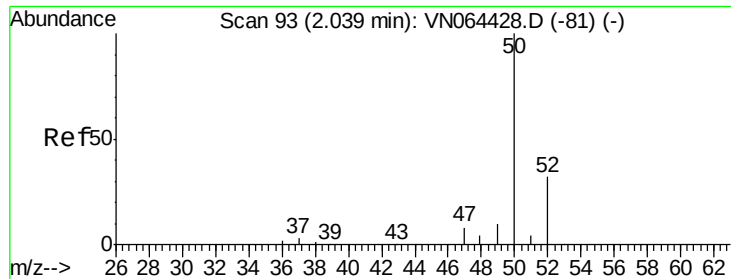
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 42.051 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 233027

Ion Ratio Lower Upper

50 100

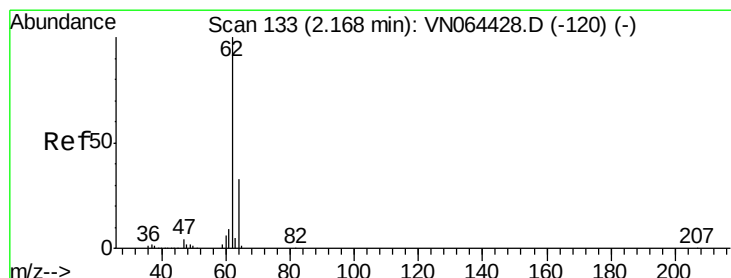
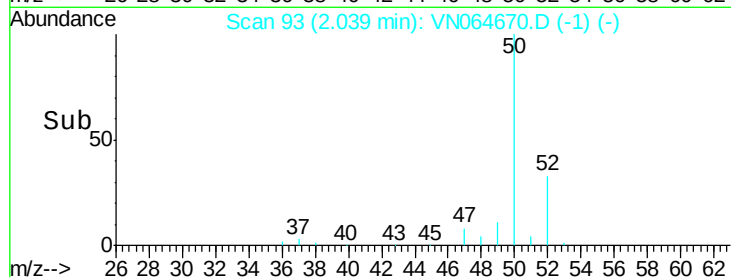
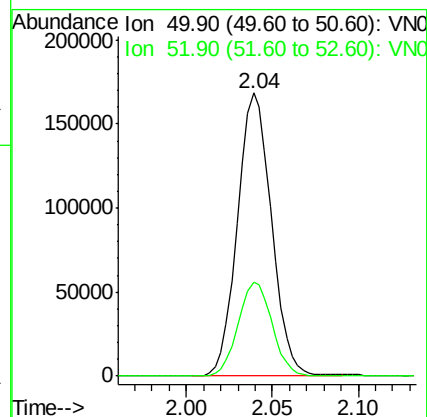
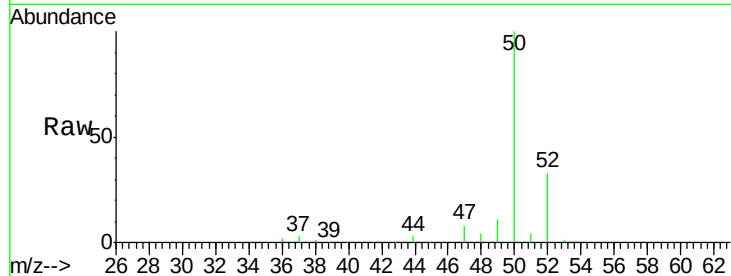
52 33.1 25.3 37.9

Manual Integrations

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11/17/2020 7:02:28 PM



#4

Vinyl Chloride

Concen: 46.186 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064670.D

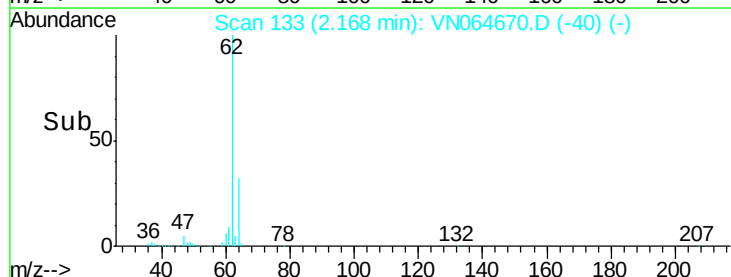
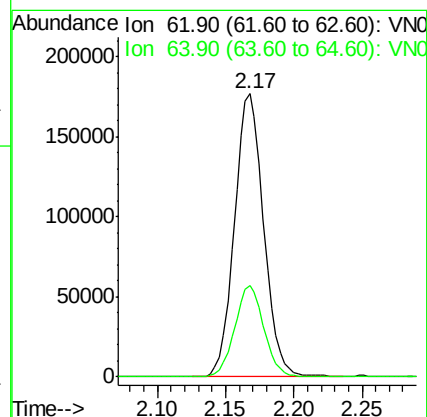
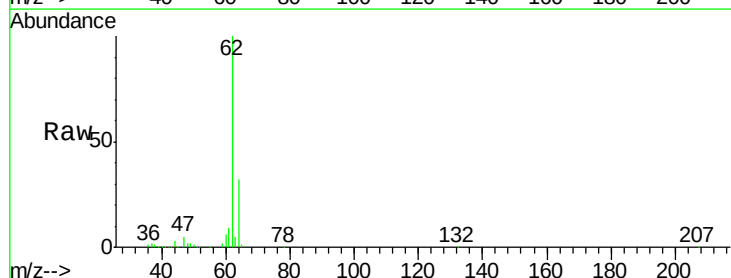
Acq: 16 Nov 2020 19:13

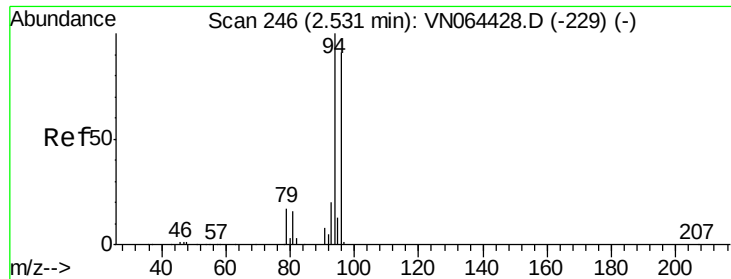
Tgt Ion: 62 Resp: 262827

Ion Ratio Lower Upper

62 100

64 32.3 26.3 39.5





#5

Bromomethane

Concen: 34.930 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

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VSTDCCC050EC

Tot Ion: 94 Resp: 126985

Ion Ratio Lower Upper

94 100

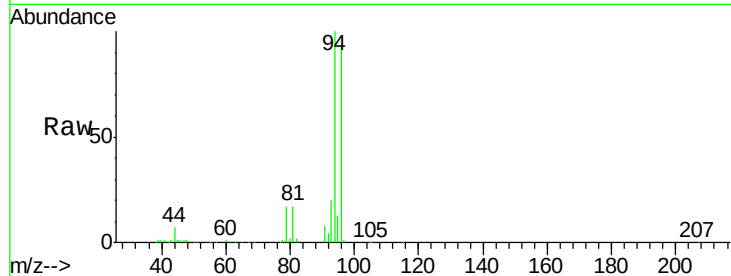
96 92.6 73.1 109.7

Manual Integrations

APPROVED

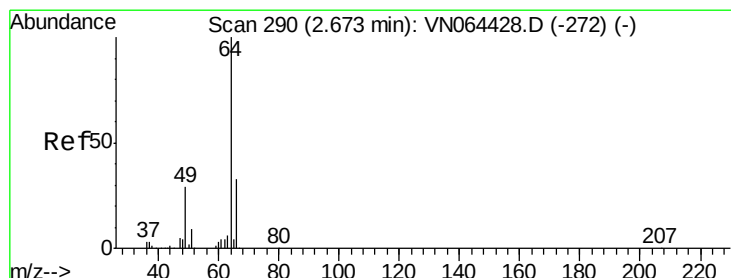
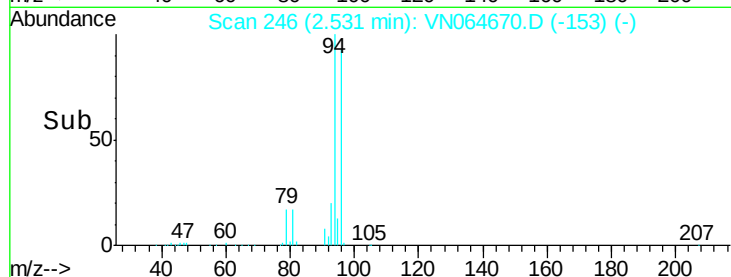
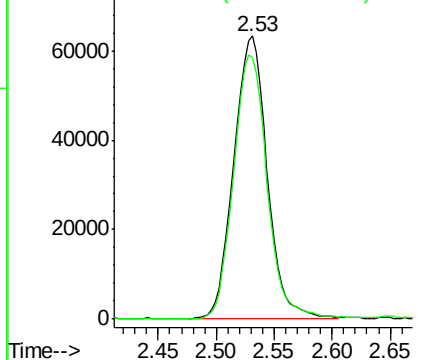
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.081 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064670.D

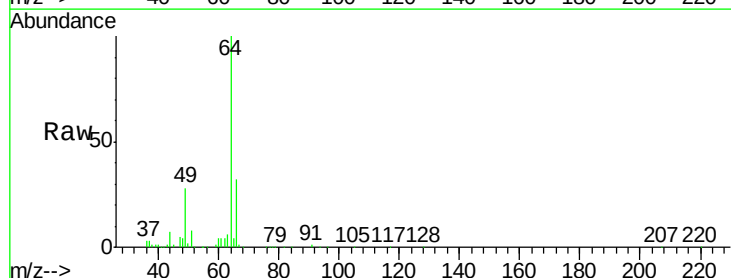
Acq: 16 Nov 2020 19:13

Tgt Ion: 64 Resp: 167892

Ion Ratio Lower Upper

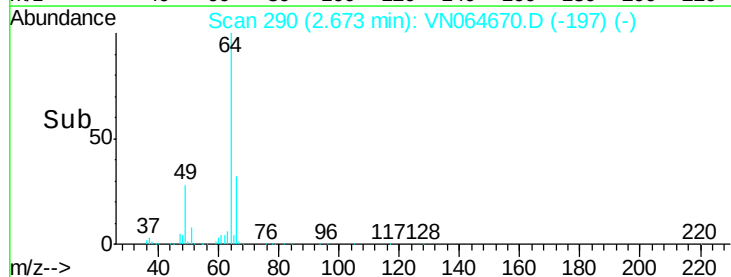
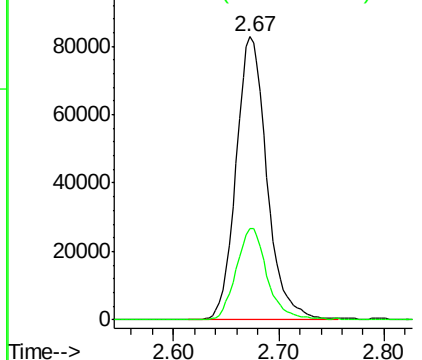
64 100

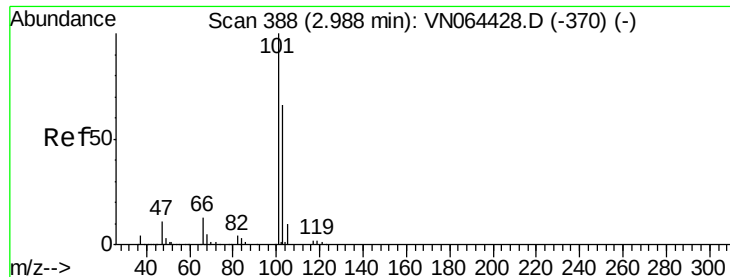
66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

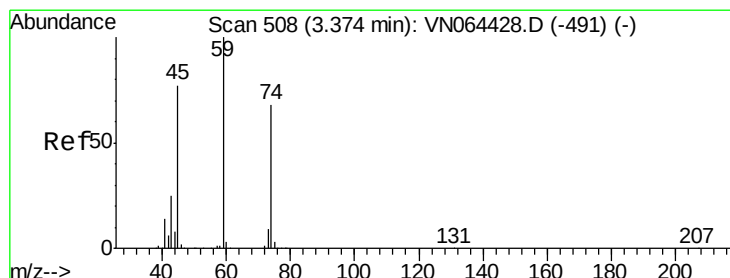
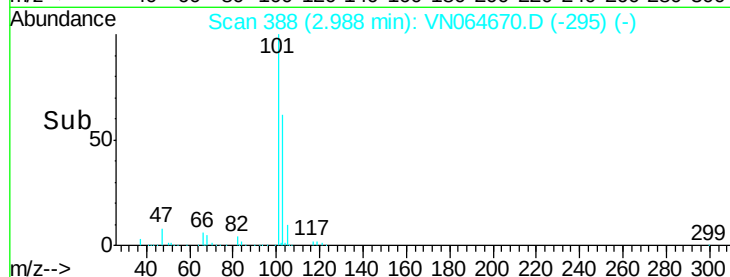
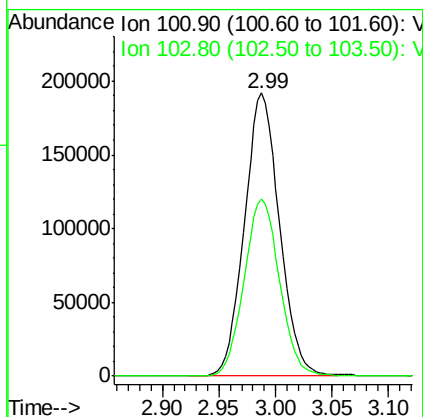
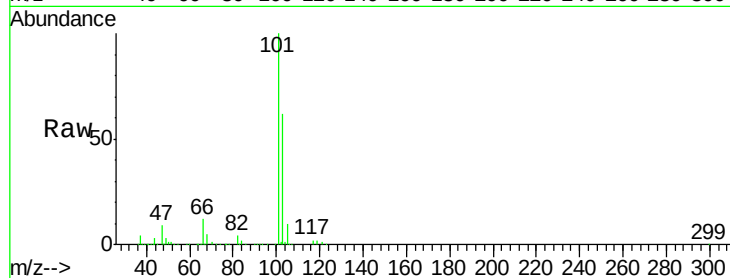
Trichlorofluoromethane
Concen: 49.425 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.4	78.6

Manual Integrations
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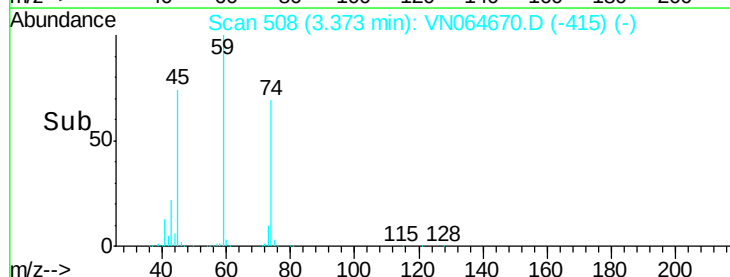
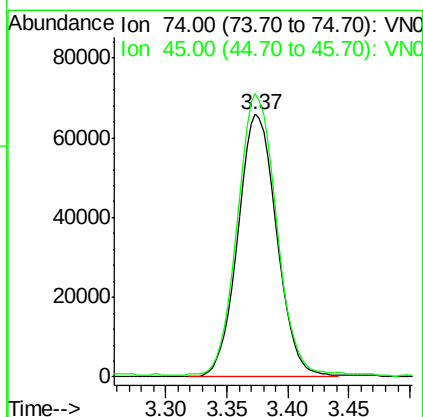
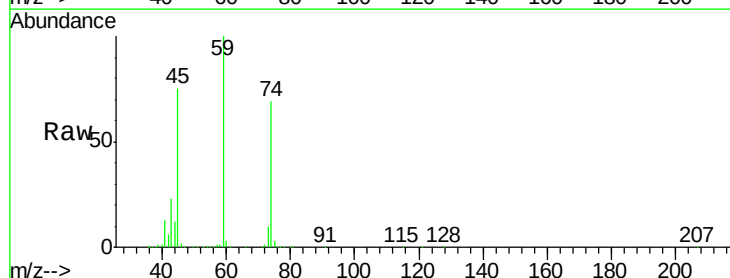
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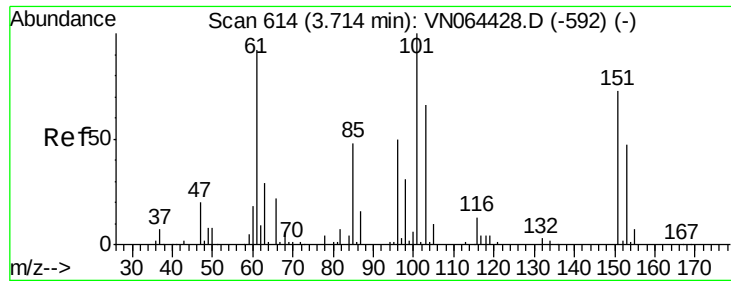


#8

Diethyl Ether
Concen: 49.006 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	55.9	167.6





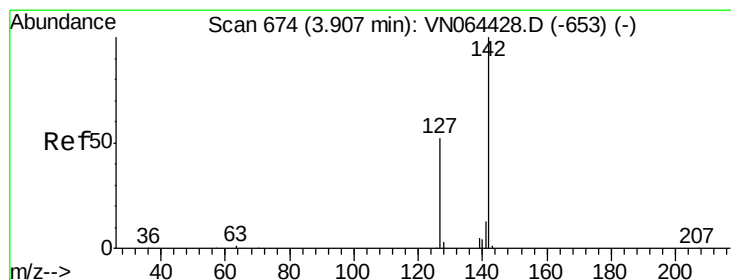
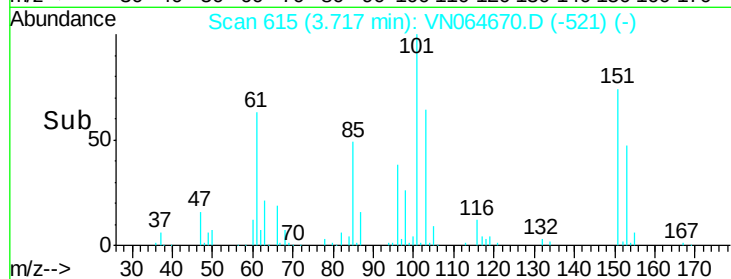
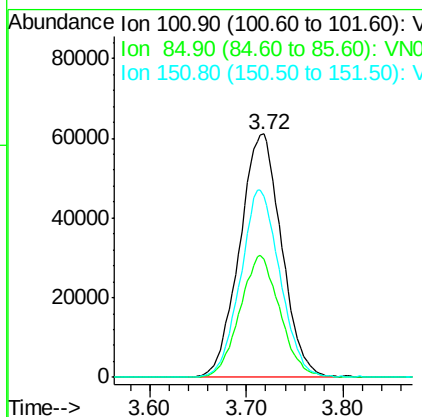
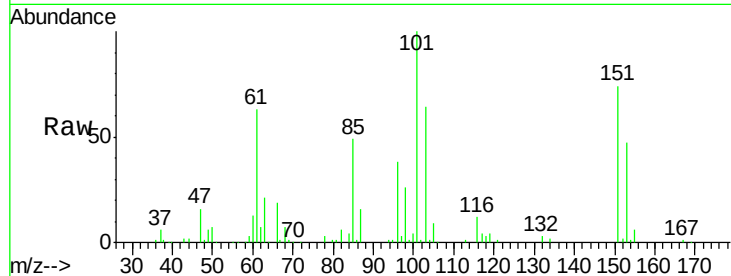
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.180 ug/l
RT: 3.72 min Scan# 615
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.9	38.6	57.8
151	72.8	57.5	86.3

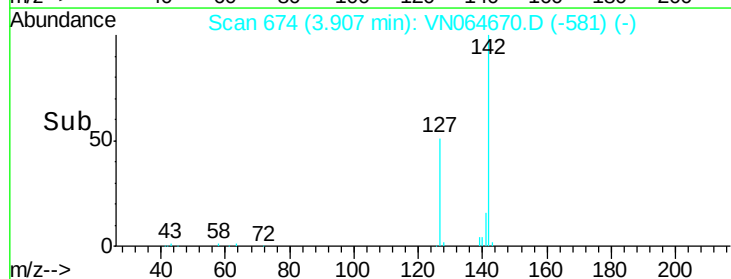
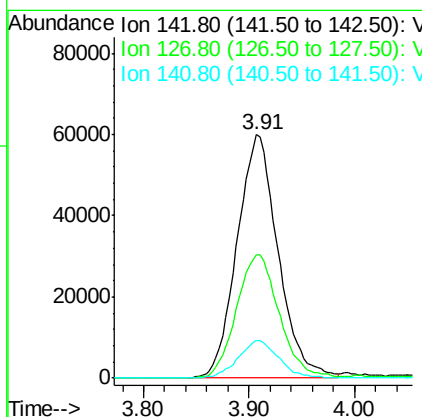
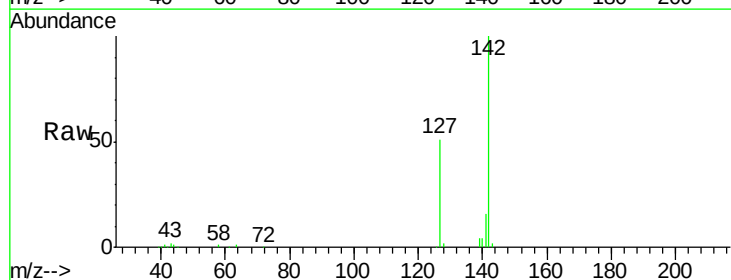
Manual Integrations
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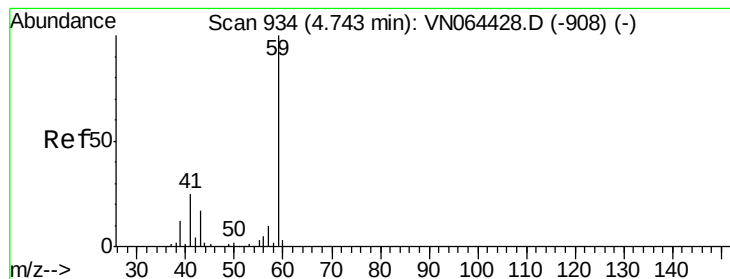
MMDadoda
11/17/2020 7:02:28 PM



#10
Methyl Iodide
Concen: 35.083 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.8	62.8
141	15.4	11.4	17.2





#11

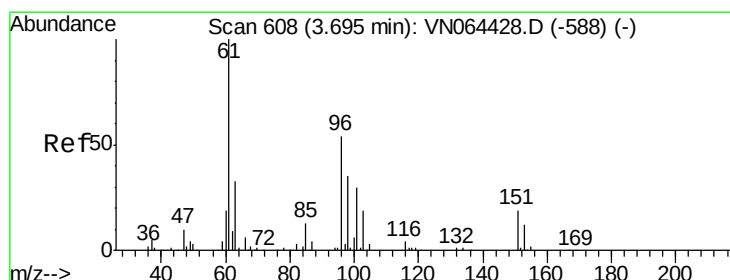
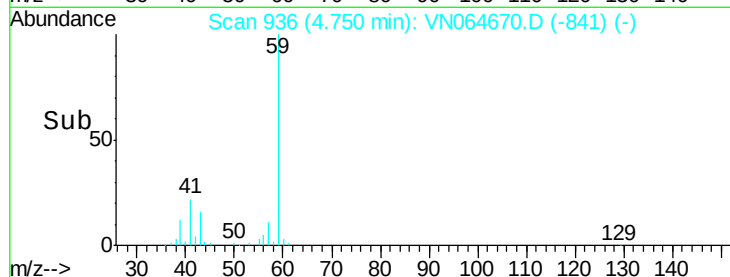
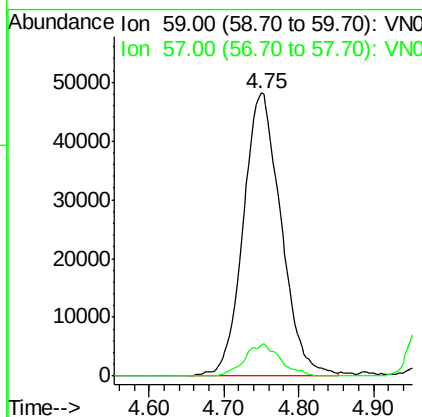
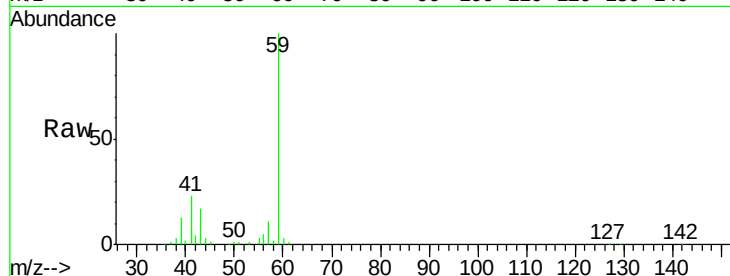
Tert butyl alcohol
 Concen: 251.947 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	169618
Ion Ratio	100	Lower	Upper
57	10.7	9.0	13.4

Manual Integrations
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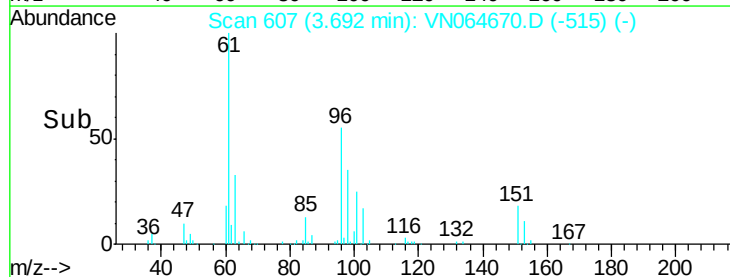
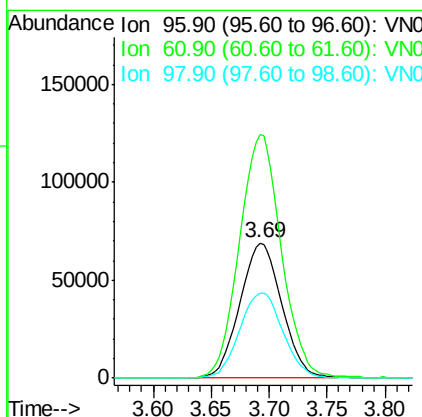
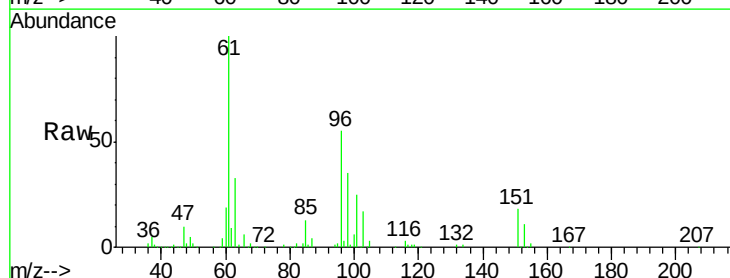
MMDadoda
 11/17/2020 7:02:28 PM

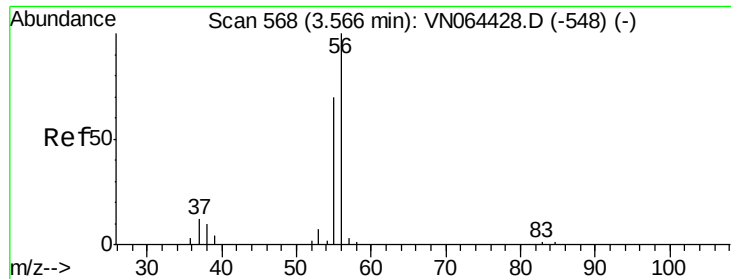


#12

1,1-Dichloroethene
 Concen: 46.427 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	96	Resp	174020
Ion Ratio	100	Lower	Upper
61	180.2	149.5	224.3
98	62.4	52.4	78.6





#13

Acrolein

Concen: 221.619 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92547

Ion Ratio Lower Upper

56 100

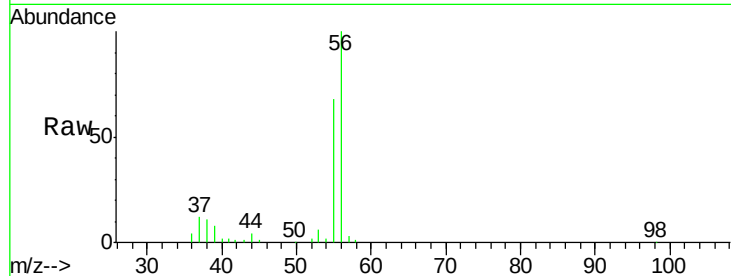
55 73.3 55.9 83.9

Manual Integrations

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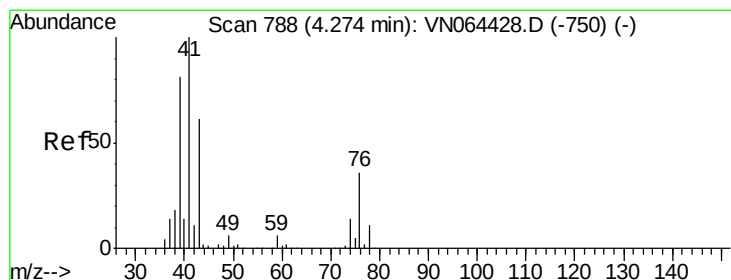
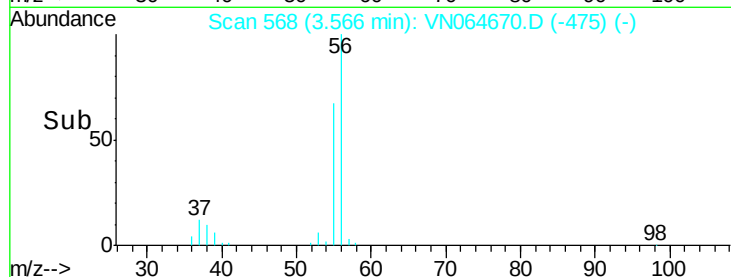
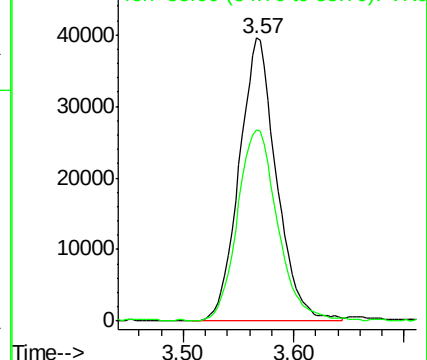
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.645 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

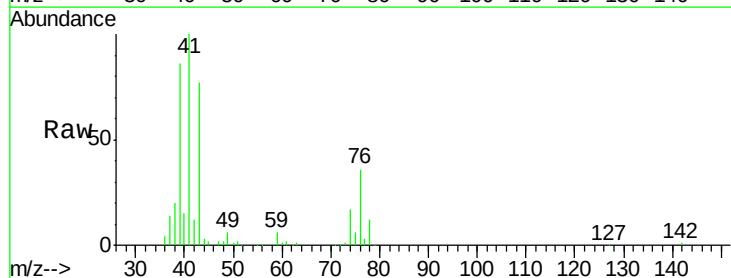
Tgt Ion: 41 Resp: 320023

Ion Ratio Lower Upper

41 100

39 80.0 61.8 92.8

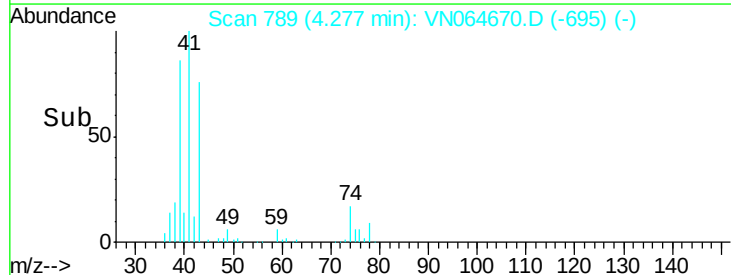
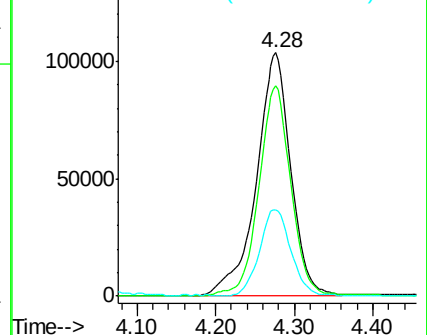
76 32.9 25.4 38.0

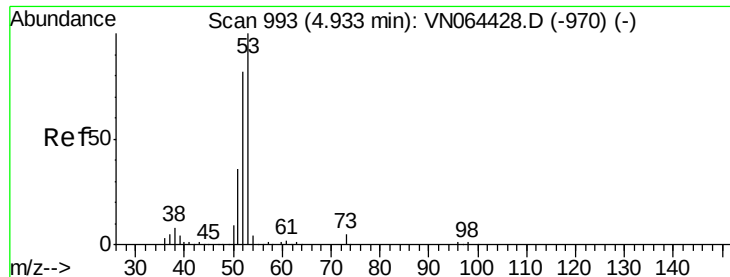


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 253.326 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

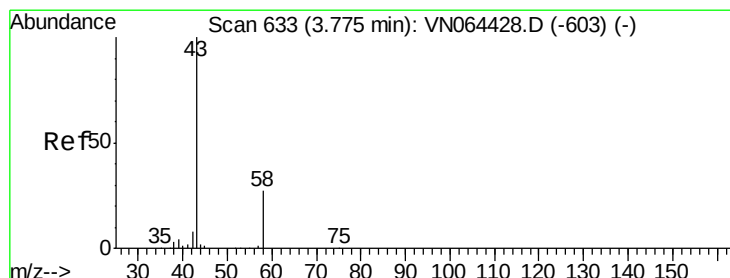
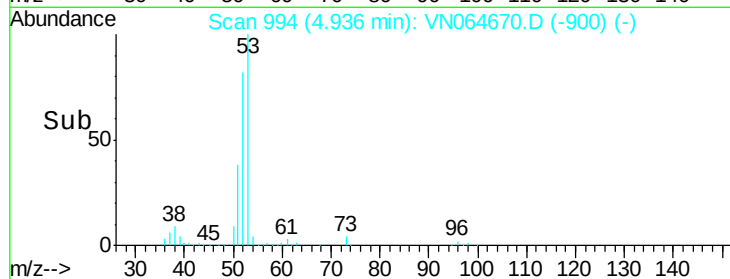
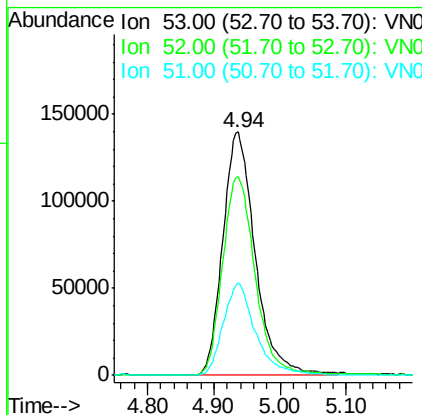
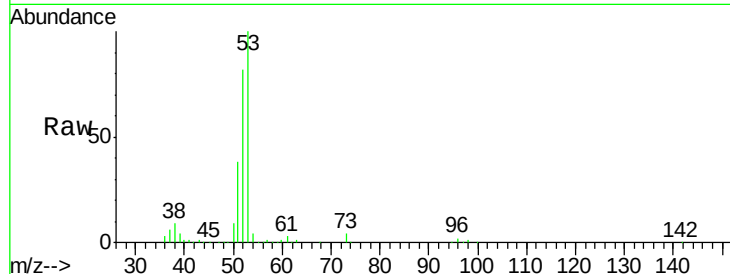
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	474820
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.6	98.4
51	37.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 192.525 ug/l

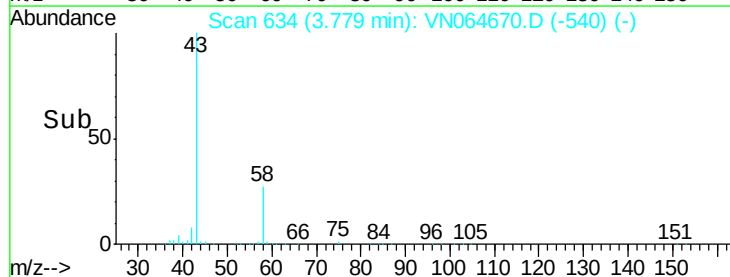
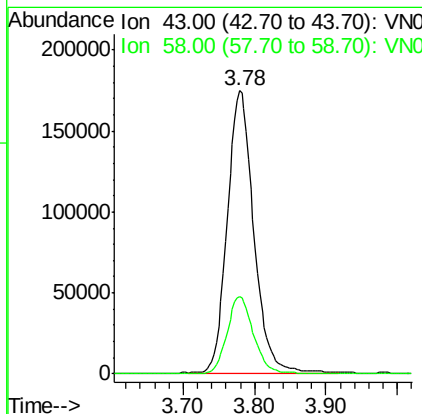
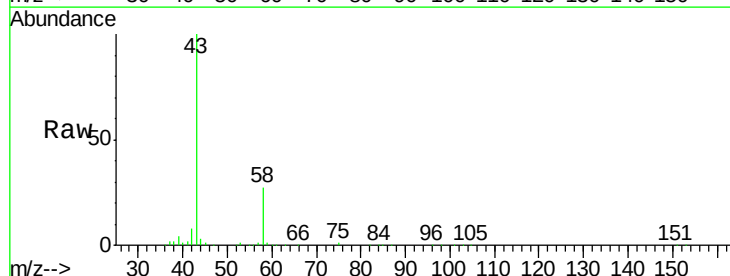
RT: 3.78 min Scan# 634

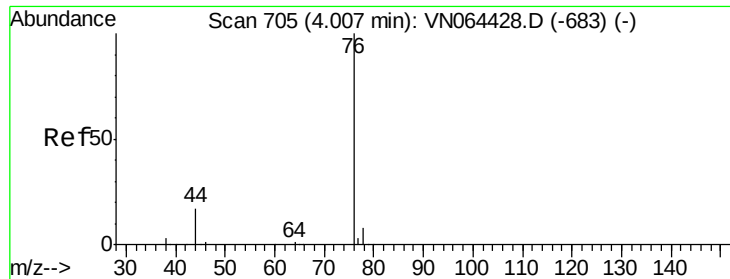
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	43	Resp:	447700
Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.4	32.0





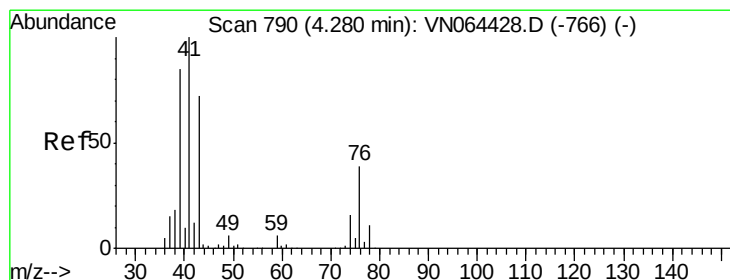
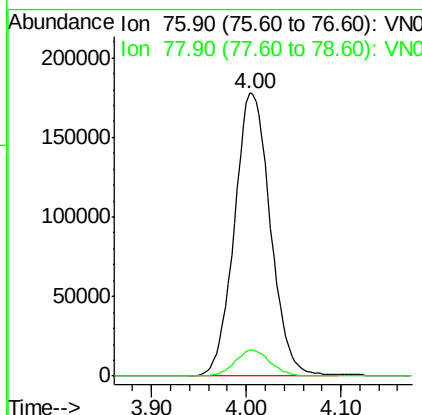
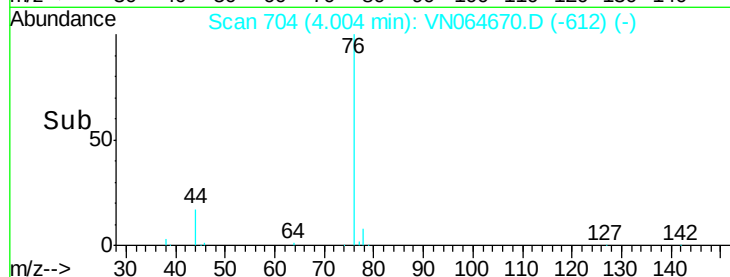
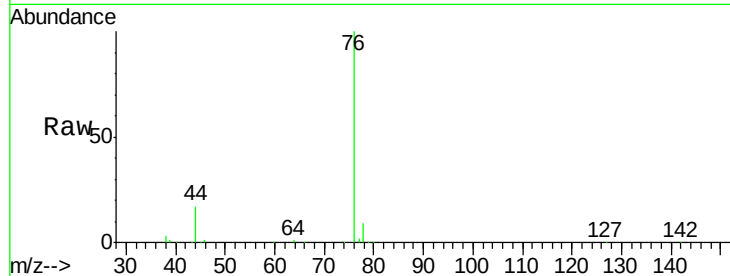
#17
Carbon Disulfide
Concen: 41.910 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 469778
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

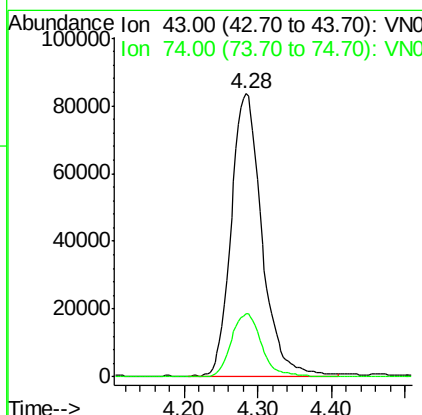
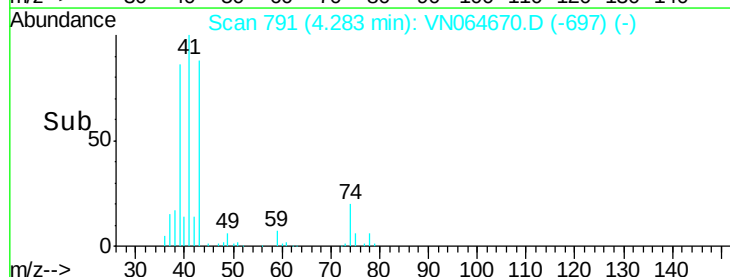
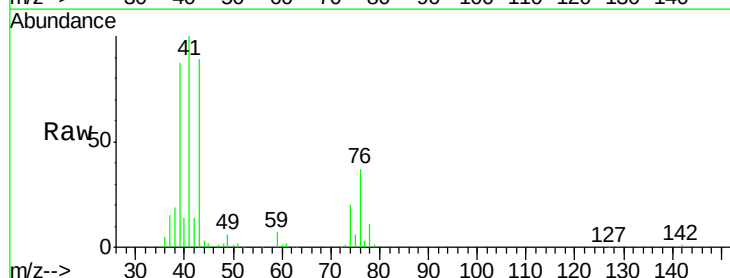
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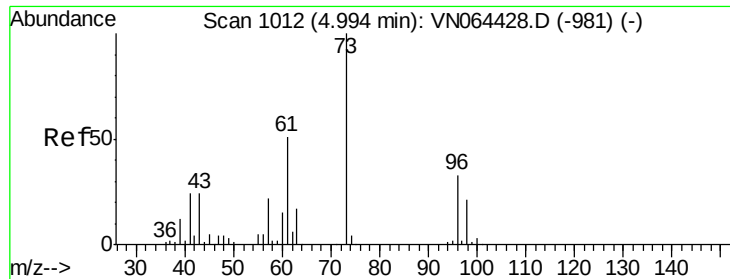
MMDadoda
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#18
Methyl Acetate
Concen: 52.819 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion: 43 Resp: 241474
Ion Ratio Lower Upper
43 100
74 22.2 17.0 25.4





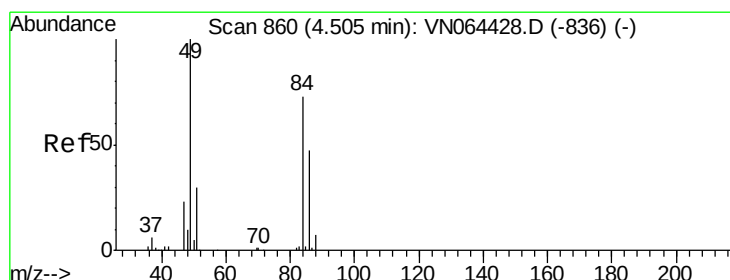
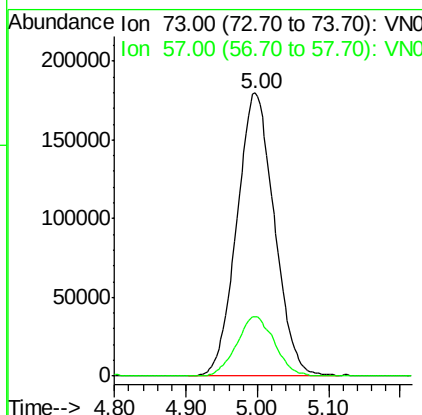
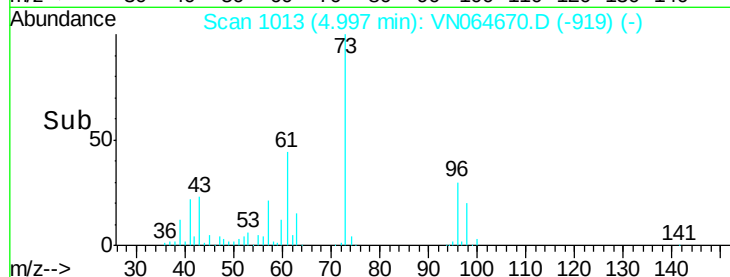
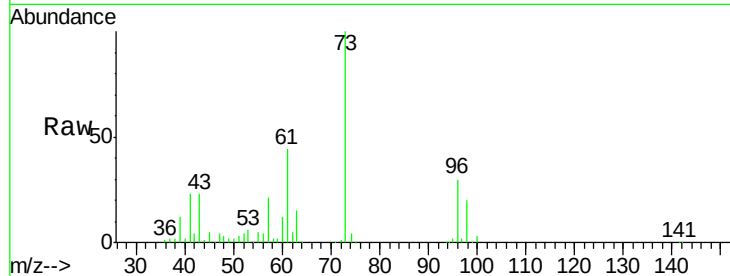
#19
Methyl tert-butyl Ether
Concen: 48.767 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 657880
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5

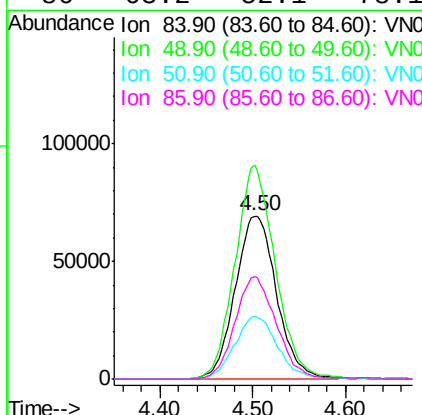
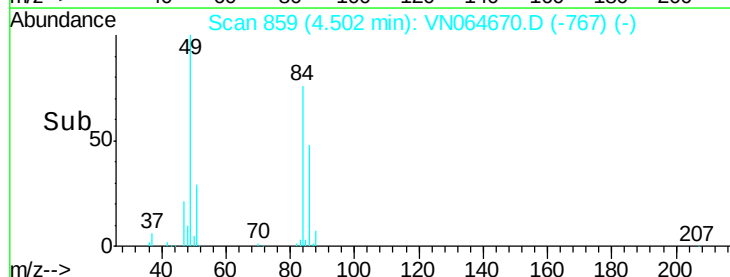
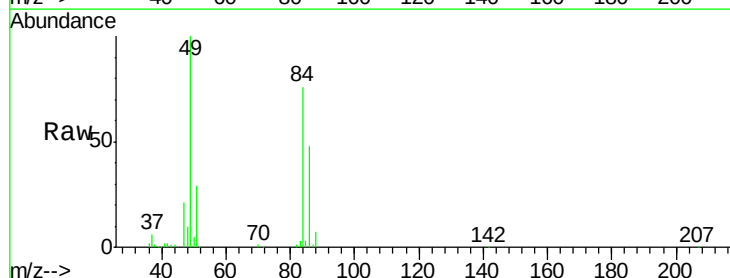
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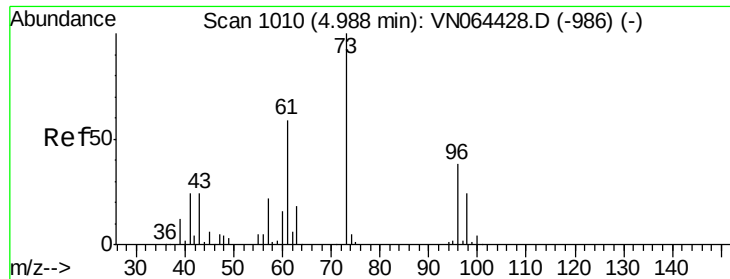
MMDadoda
11/17/2020 7:02:28 PM



#20
Methylene Chloride
Concen: 46.421 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion: 84 Resp: 214178
Ion Ratio Lower Upper
84 100
49 130.7 110.1 165.1
51 38.2 33.6 50.4
86 63.2 52.1 78.1





#21

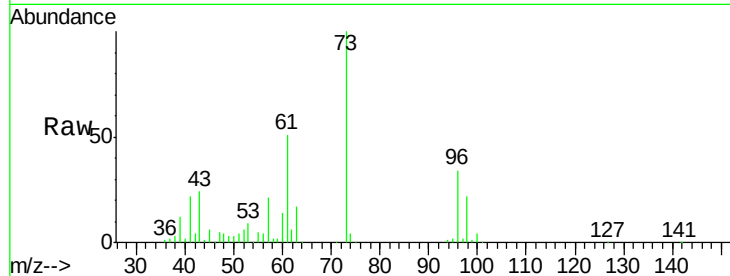
trans-1,2-Dichloroethene
Concen: 45.338 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	122.4	183.6
98	66.0	50.4	75.6

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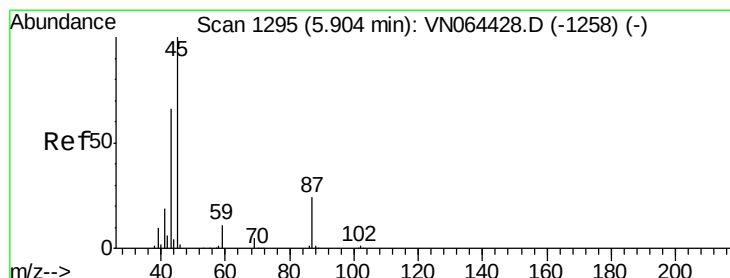
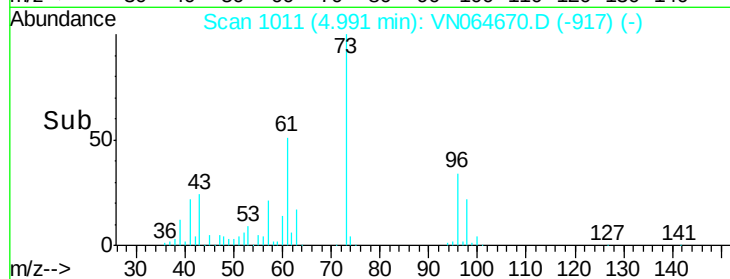
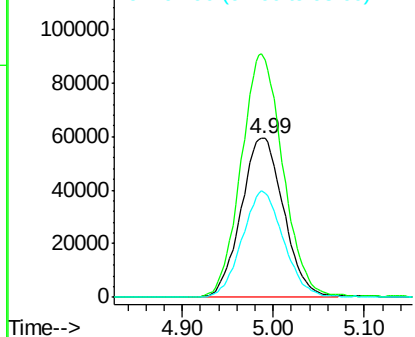


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 45.144 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	53.2	79.8
87	26.6	19.9	29.9
59	10.9	8.6	13.0

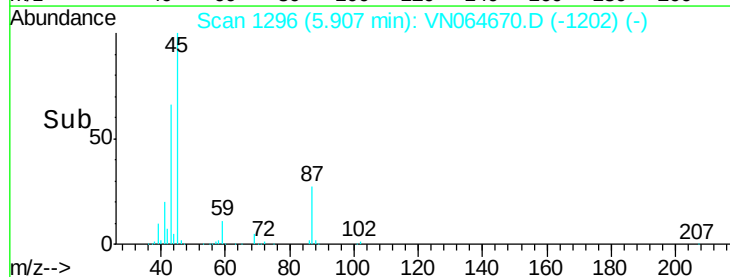
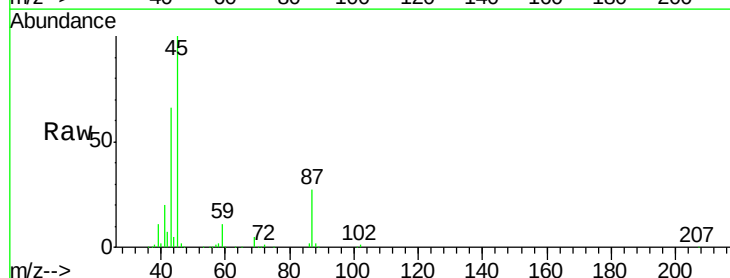
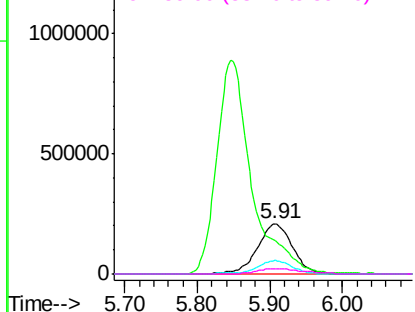
Abundance

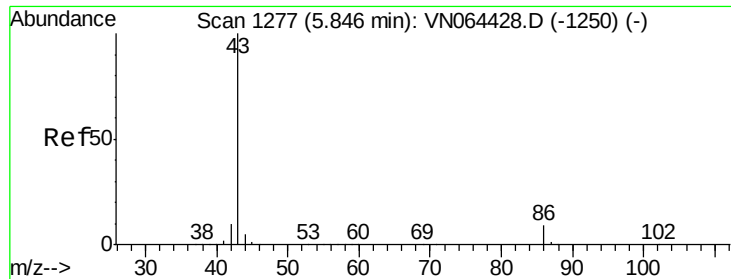
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 235.379 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2980331

Ion Ratio Lower Upper

43 100

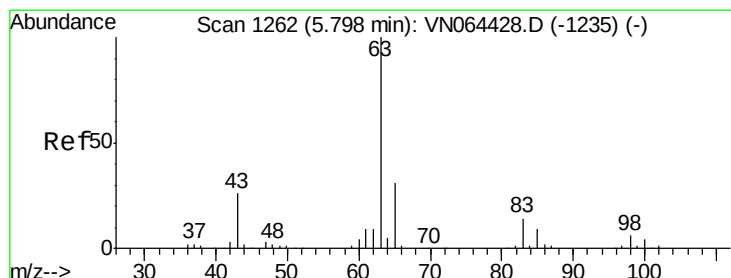
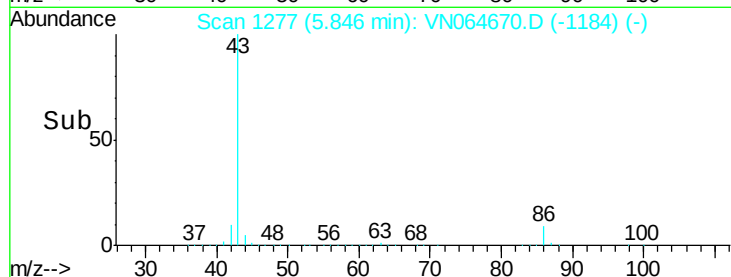
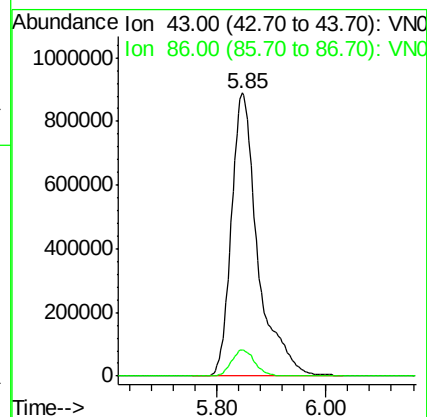
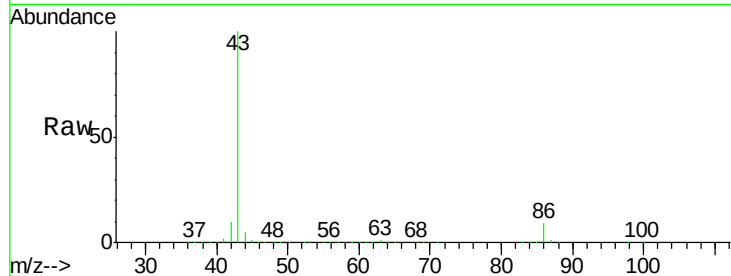
86 9.4 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.819 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

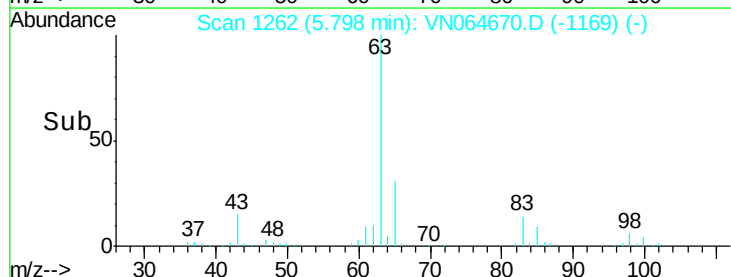
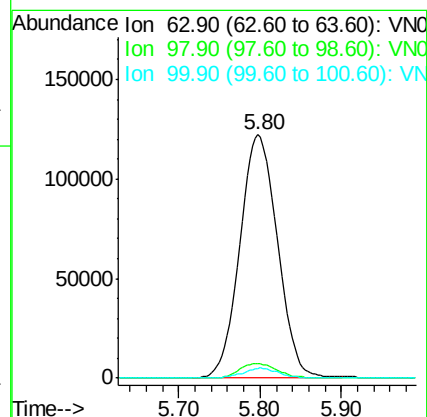
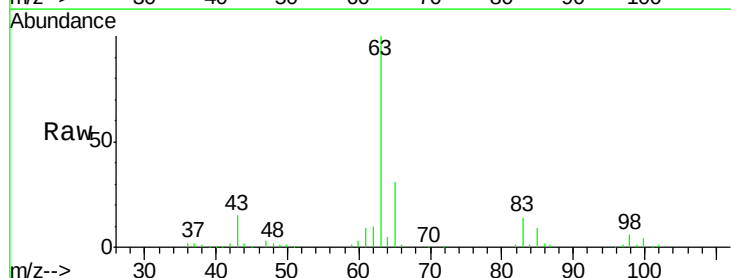
Tgt Ion: 63 Resp: 391882

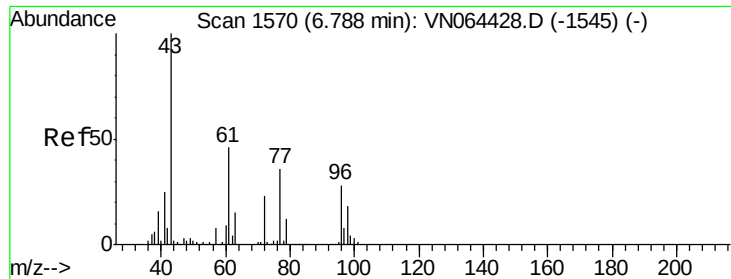
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.1 1.8 5.3





#25

2-Butanone

Concen: 226.238 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 670320

Ion Ratio Lower Upper

43 100

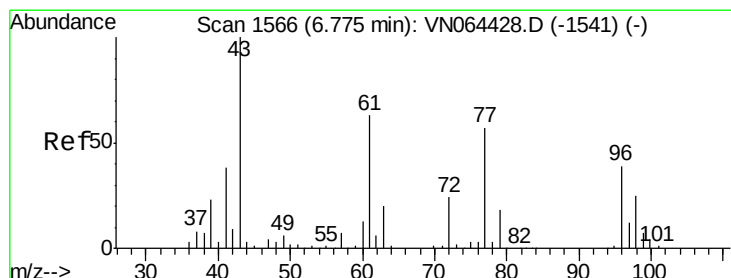
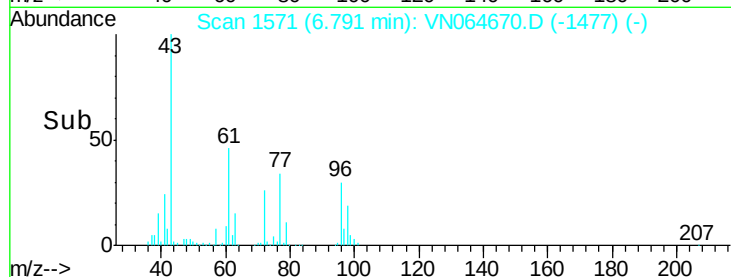
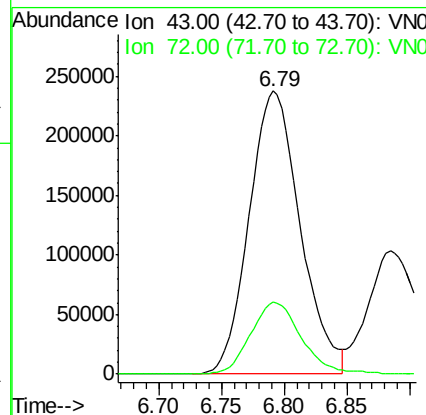
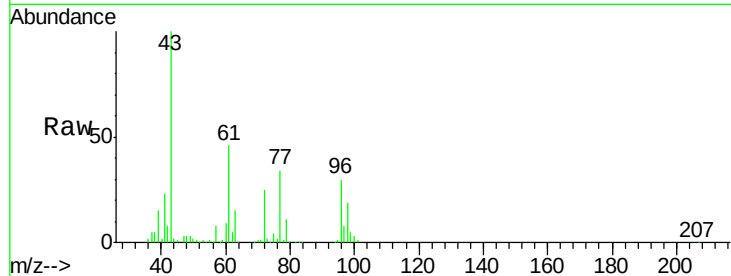
72 25.5 18.5 27.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 43.794 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064670.D

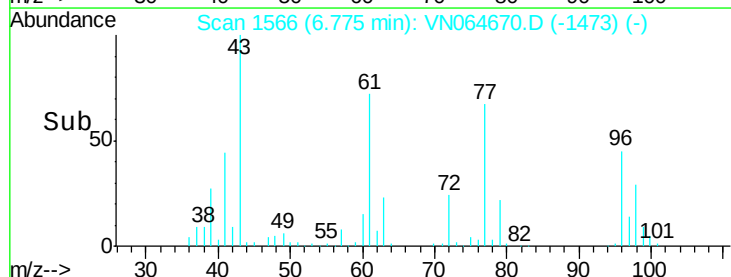
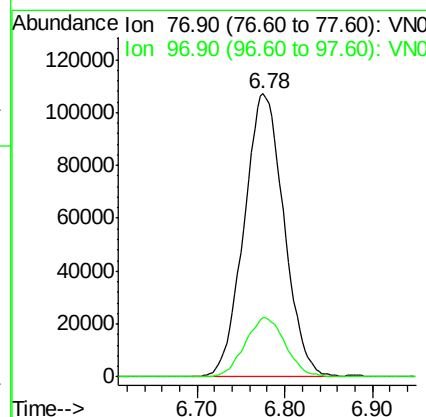
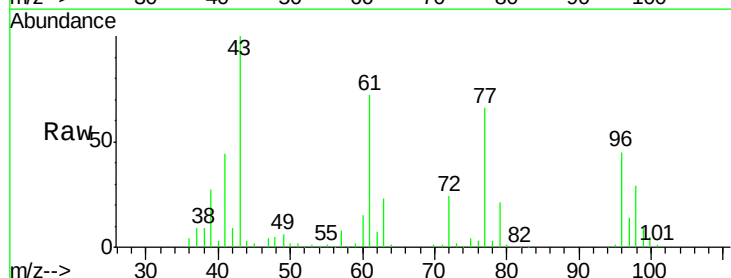
Acq: 16 Nov 2020 19:13

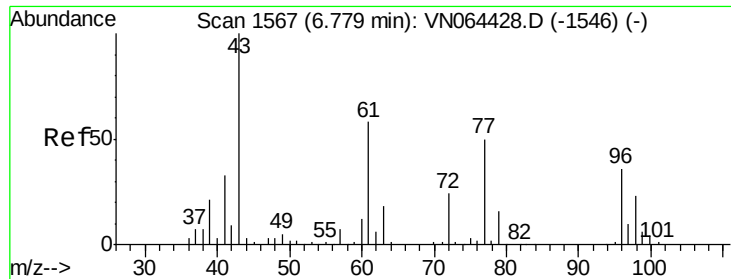
Tgt Ion: 77 Resp: 339071

Ion Ratio Lower Upper

77 100

97 21.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 46.327 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

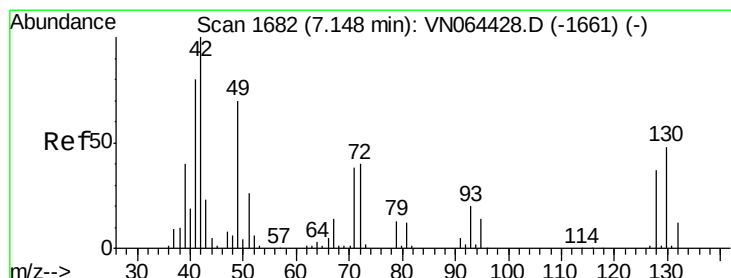
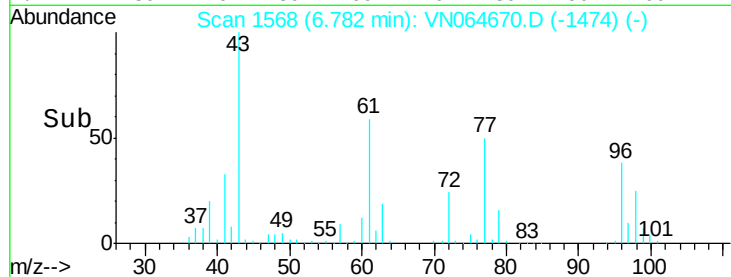
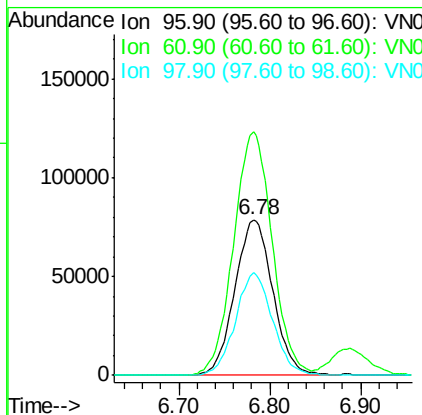
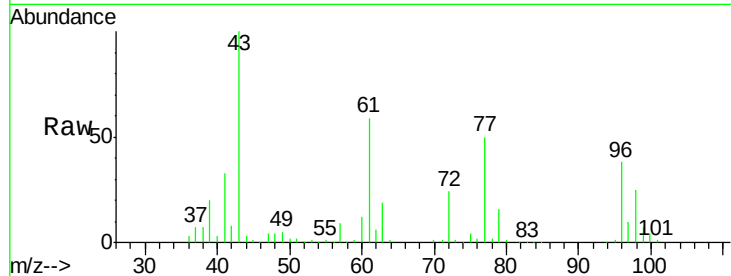
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	228460
Ion Ratio	Lower	Upper	
96	100		
61	158.8	0.0	329.6
98	64.3	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 42.643 ug/l

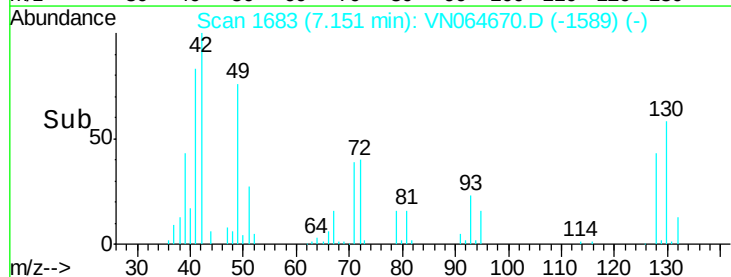
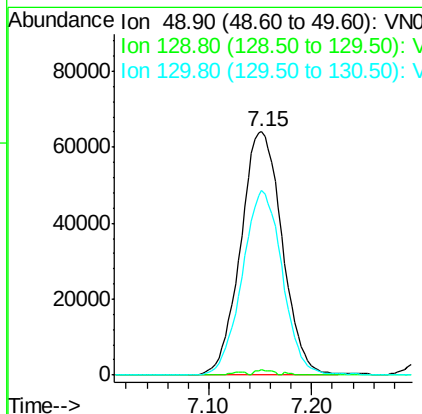
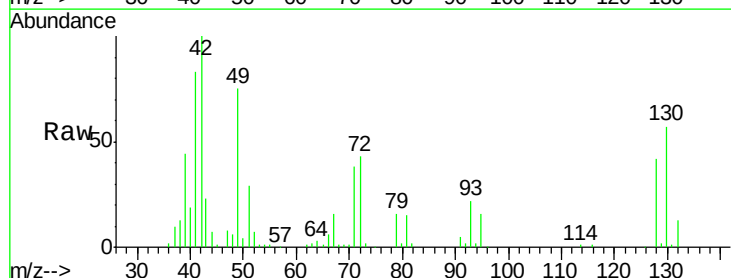
RT: 7.15 min Scan# 1683

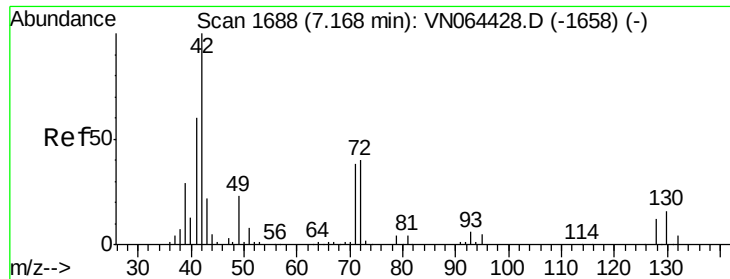
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	49	Resp:	179273
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	3.6
130	73.1	54.2	81.4





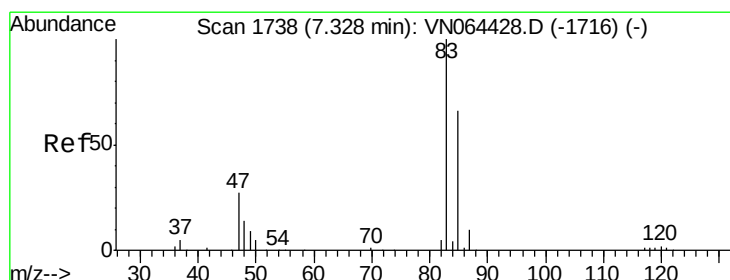
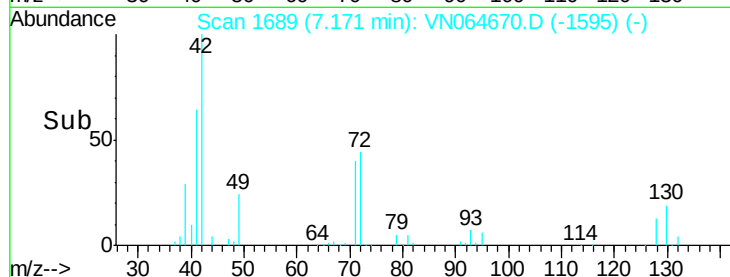
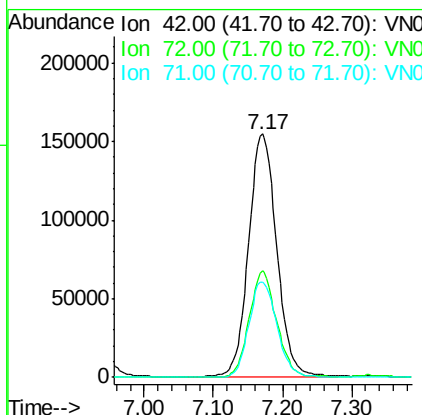
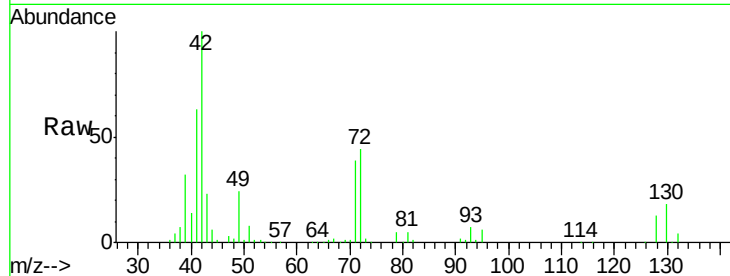
#29
Tetrahydrofuran
Concen: 240.276 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	31.7	47.5
71	39.1	29.8	44.6

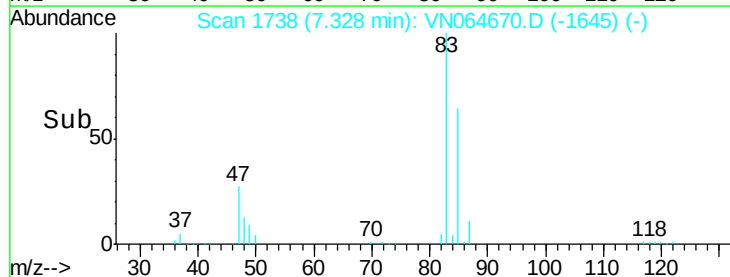
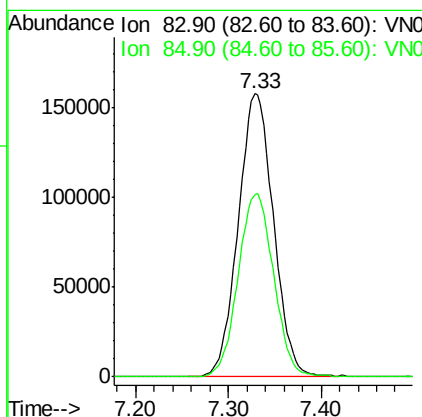
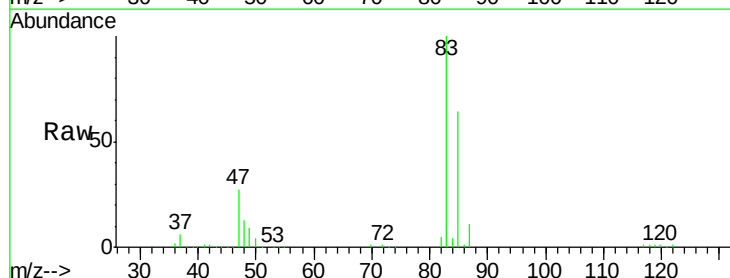
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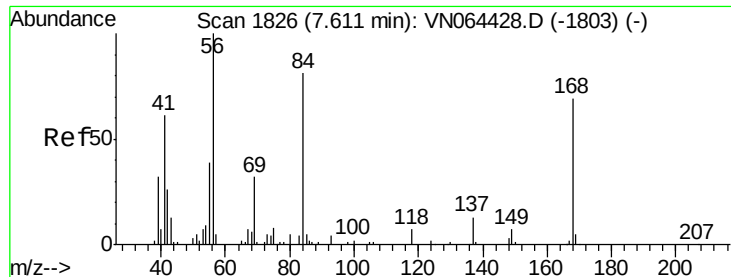
MMDadoda
11/17/2020 7:02:28 PM



#30
Chloroform
Concen: 46.437 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 40.621 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

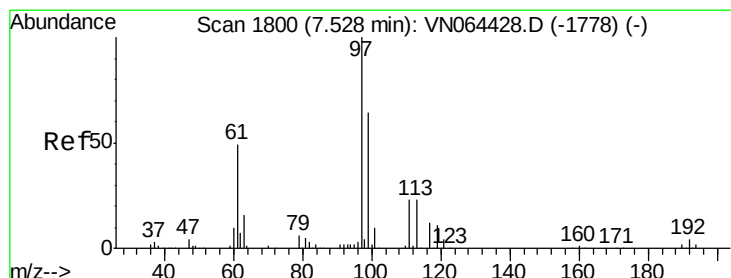
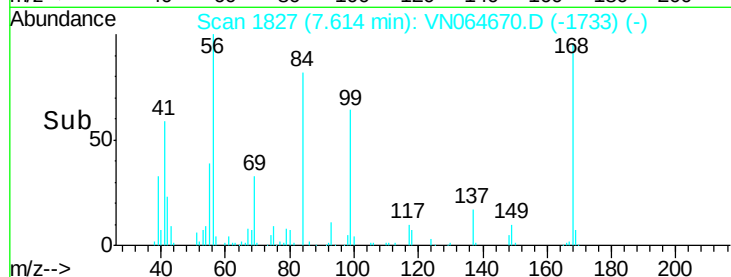
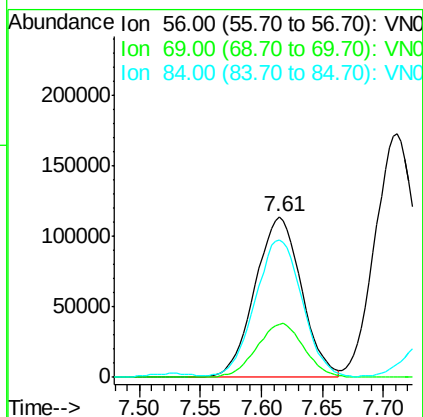
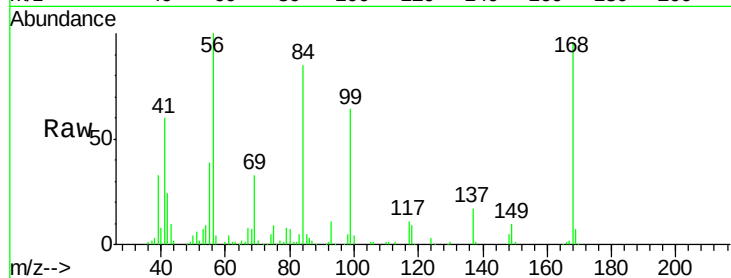
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	301450
Ion Ratio		Lower	Upper
56	100		
69	33.2	25.6	38.4
84	83.5	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.650 ug/l

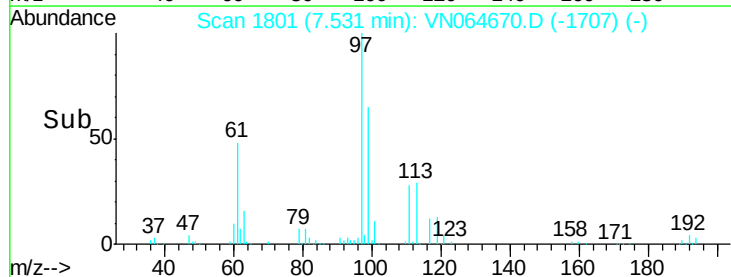
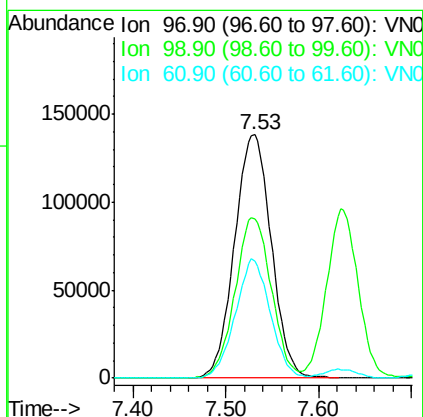
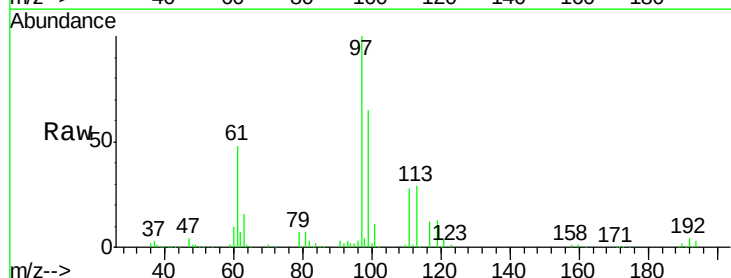
RT: 7.53 min Scan# 1801

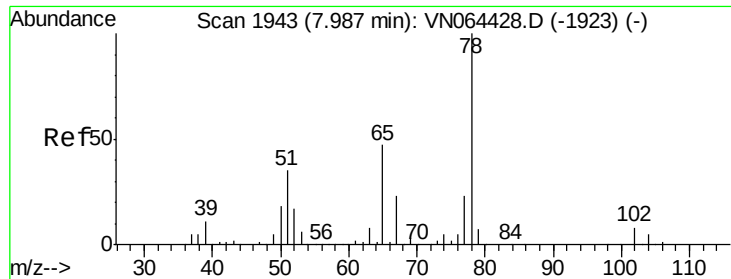
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	97	Resp:	379955
Ion Ratio		Lower	Upper
97	100		
99	65.0	51.3	76.9
61	46.6	39.1	58.7





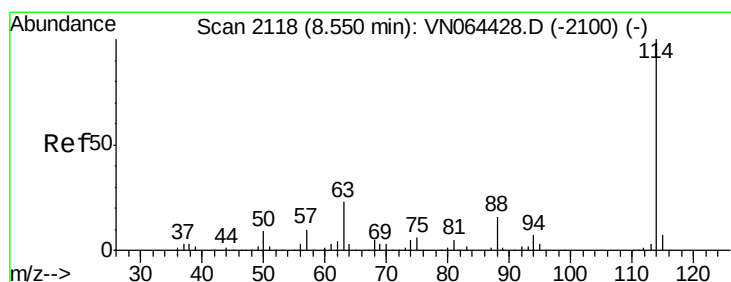
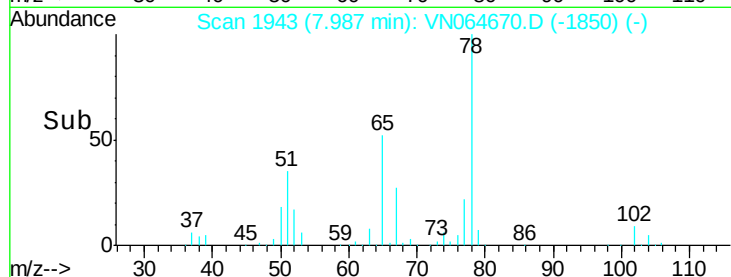
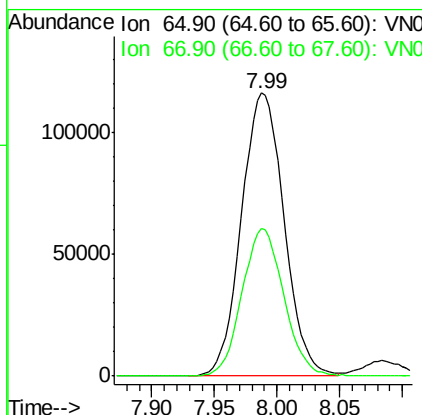
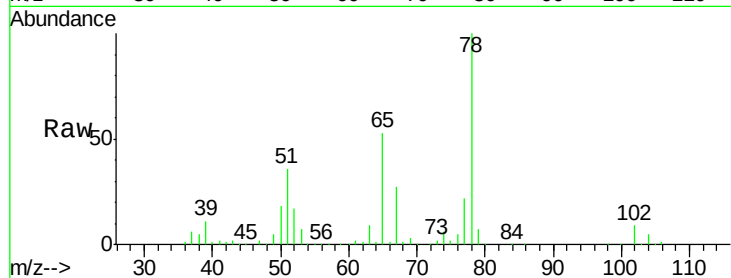
#33
 1,2-Dichloroethane-d4
 Concen: 44.974 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	274556		
67	51.2	0.0	101.6	

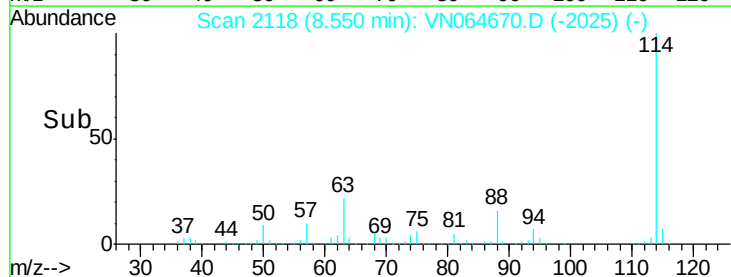
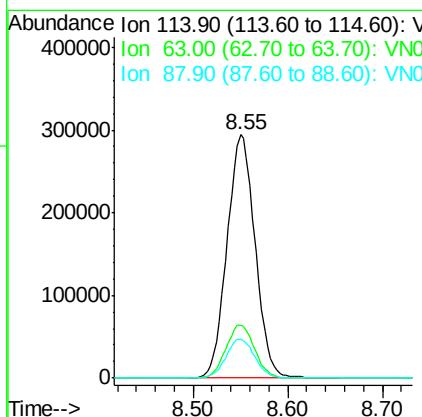
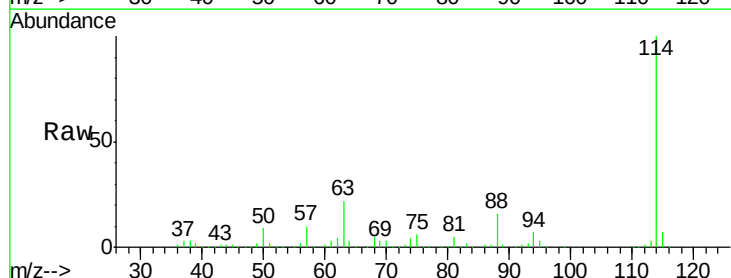
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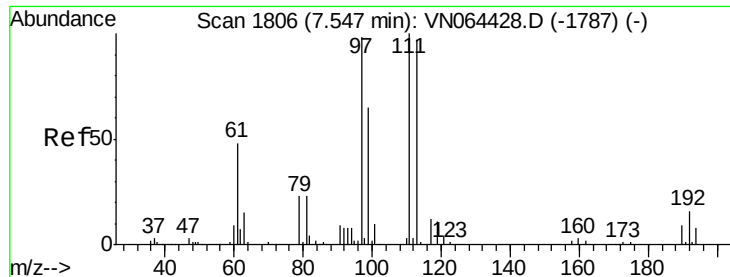
MMDadoda
 11/17/2020 7:02:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607706		
63	21.8	0.0	45.6	
88	16.1	0.0	32.8	





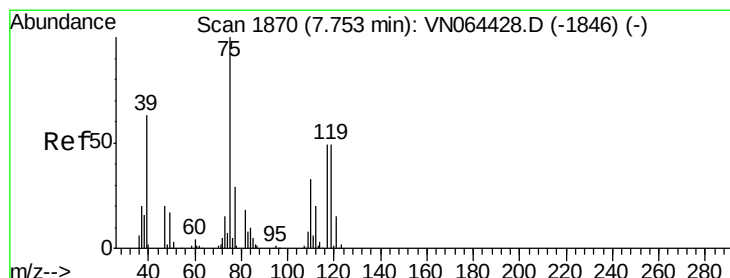
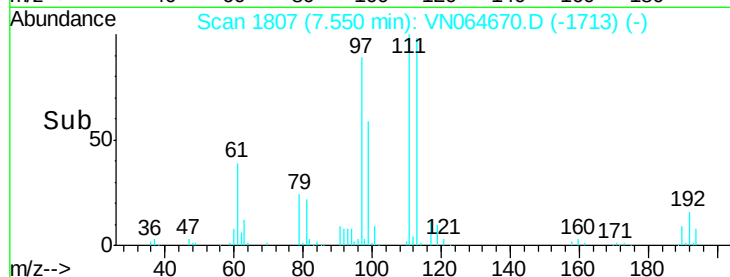
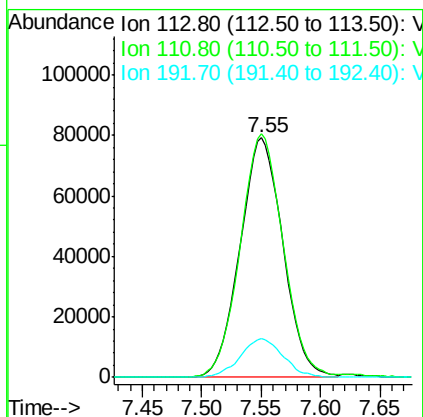
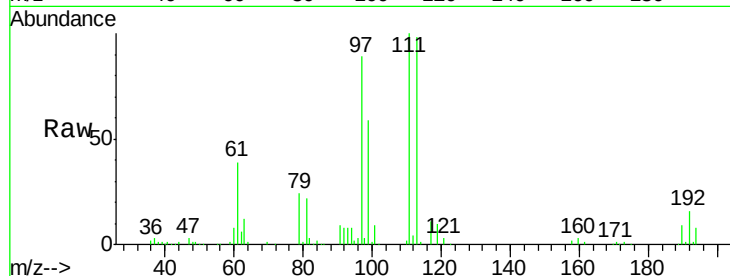
#35
Dibromofluoromethane
Concen: 47.786 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	16.4	12.8	19.2

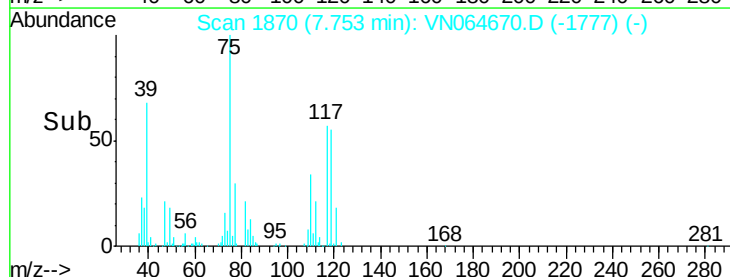
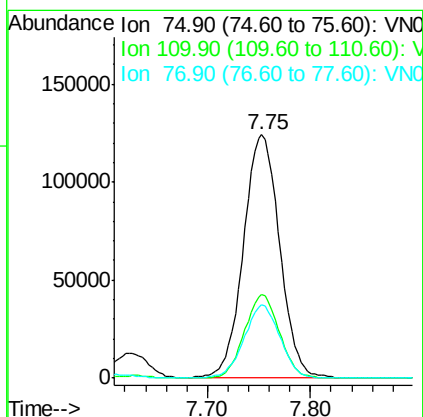
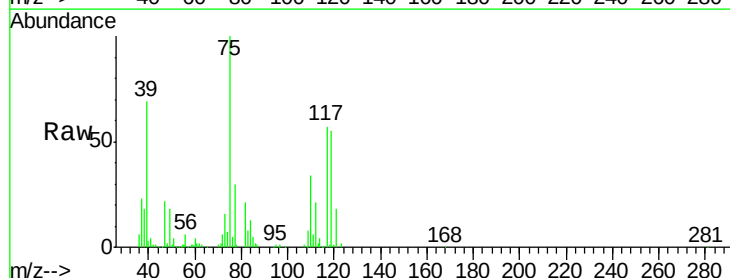
Manual Integrations
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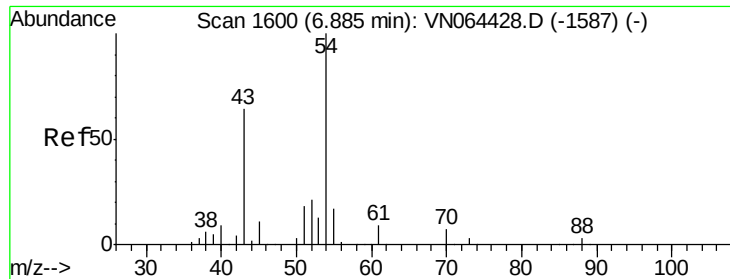
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.952 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.0	48.0
77	30.1	24.0	36.0





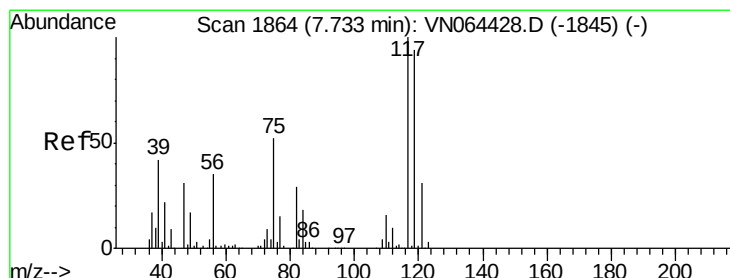
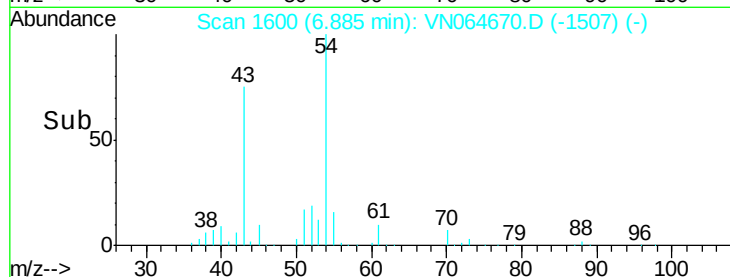
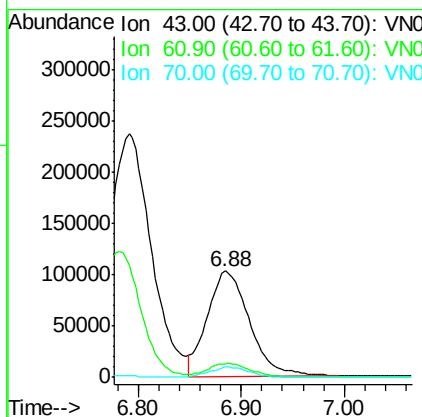
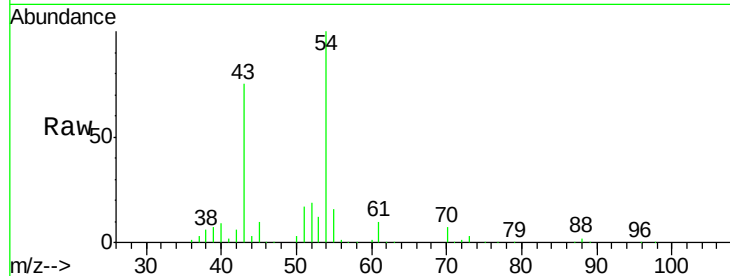
#37
Ethyl Acetate
Concen: 44.922 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.0	15.0
70	8.5	7.1	10.7

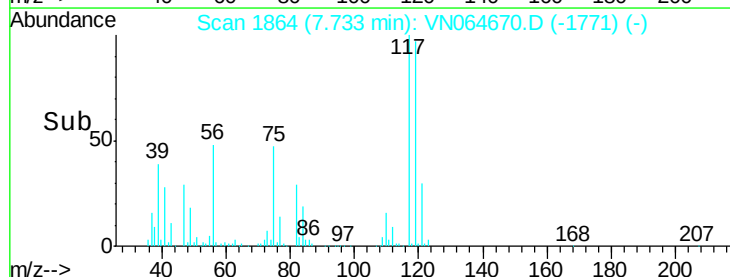
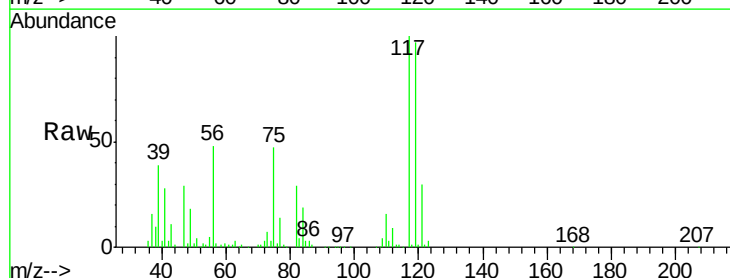
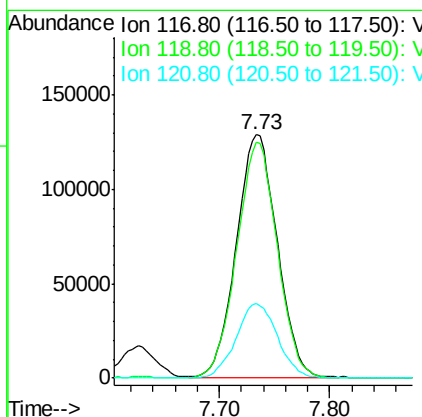
Manual Integrations
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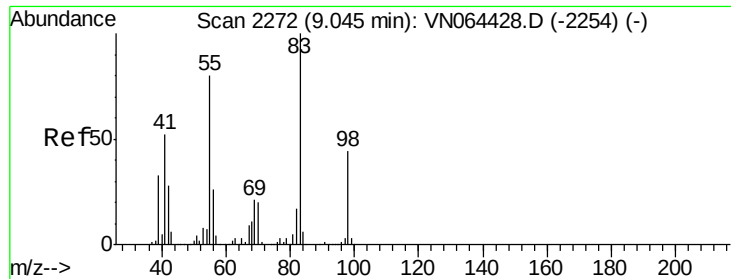
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#38
Carbon Tetrachloride
Concen: 47.944 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.5	113.3
121	30.5	24.4	36.6





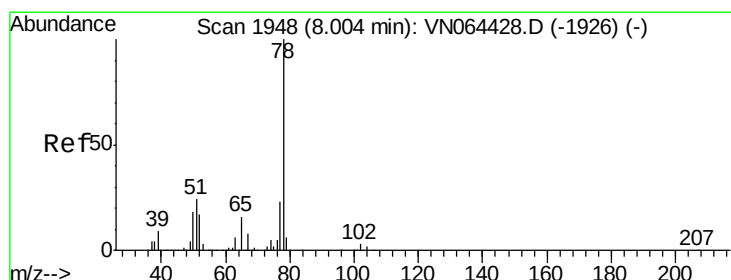
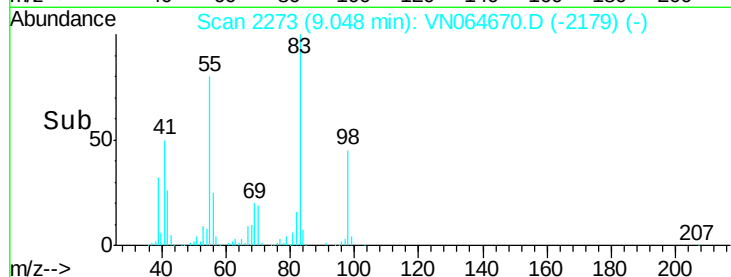
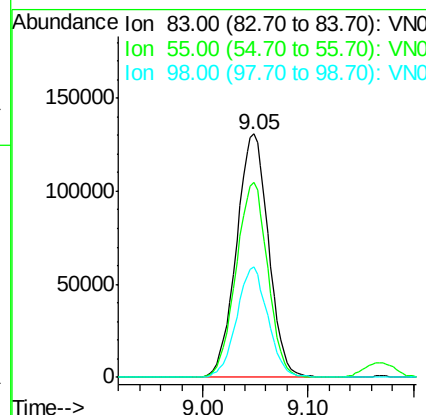
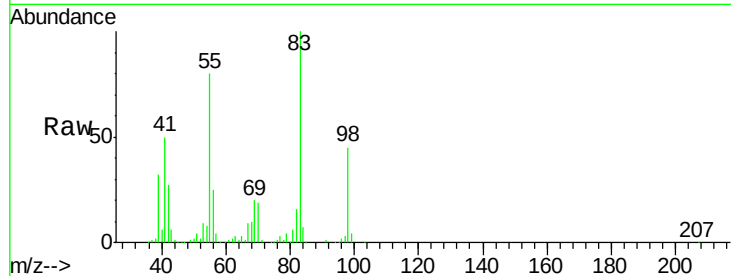
#39
Methylvlcyclohexane
Concen: 47.912 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	275736
Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.8	95.6
98	45.2	35.4	53.2

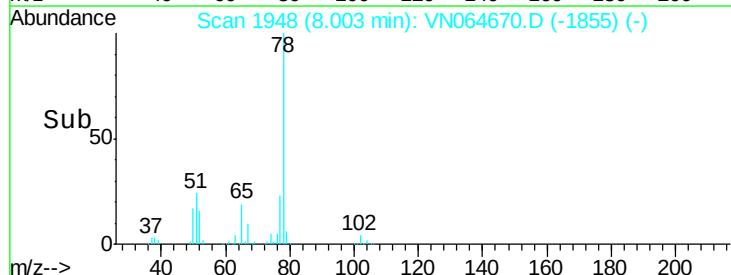
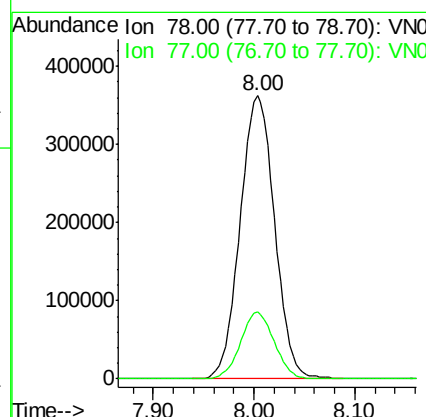
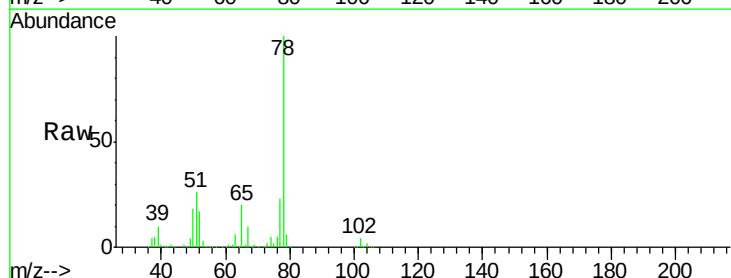
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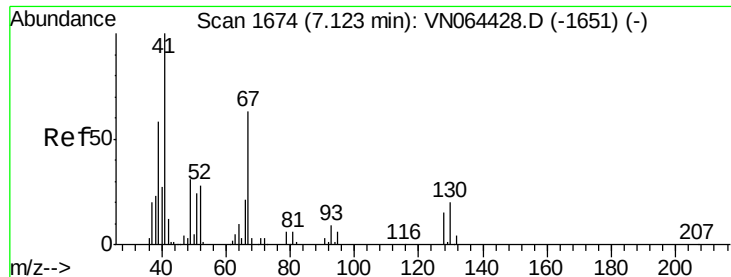
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#40
Benzene
Concen: 45.501 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	78	Resp	858385
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





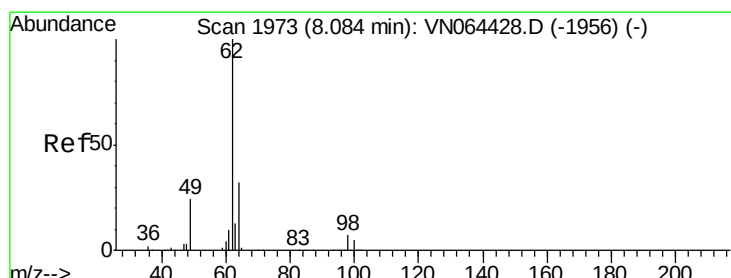
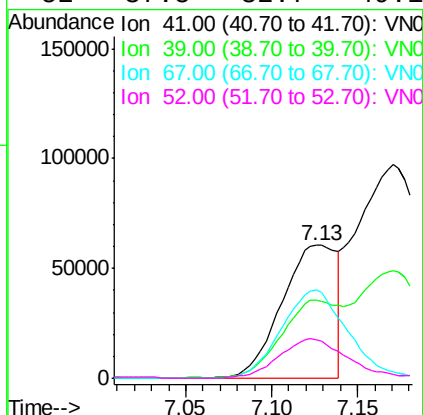
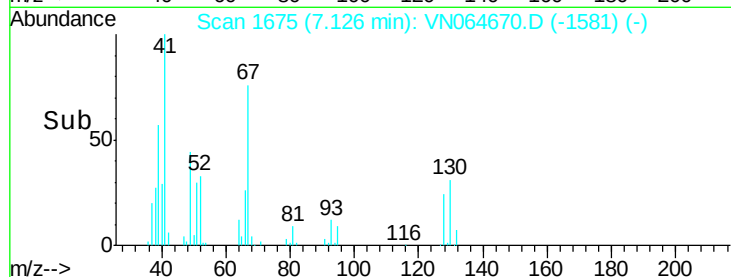
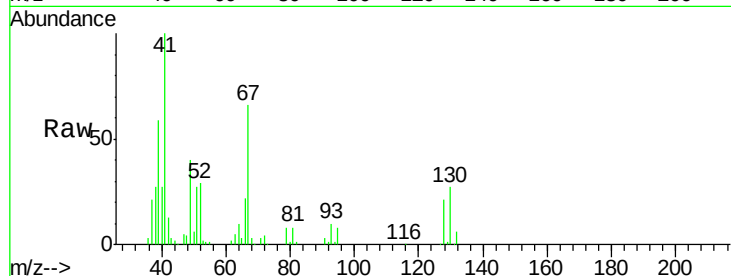
#41
Methacrylonitrile
Concen: 47.318 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		134681		
39	61.9	50.0	75.0		
67	80.6	68.3	102.5		
52	37.5	32.7	49.1		

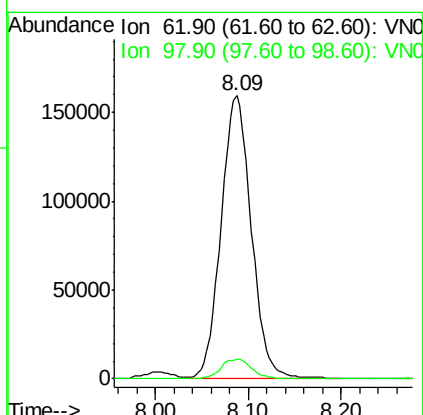
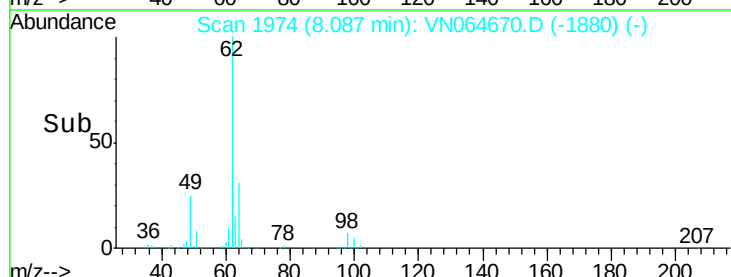
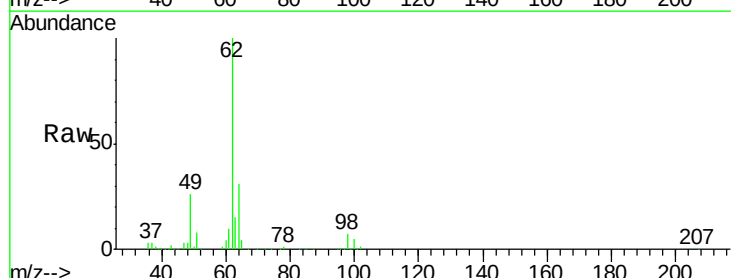
Manual Integrations
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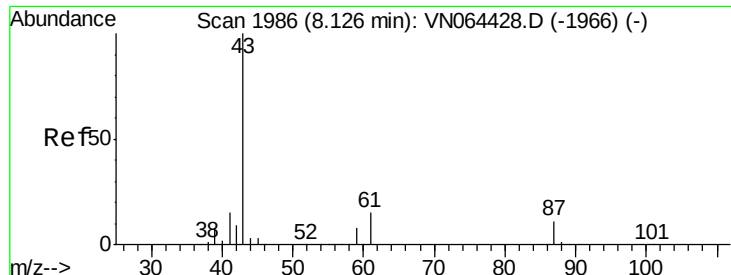
MMDadoda
11/17/2020 7:02:28 PM



#42
1,2-Dichloroethane
Concen: 47.193 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		359287		
98	7.2	0.0	14.0		





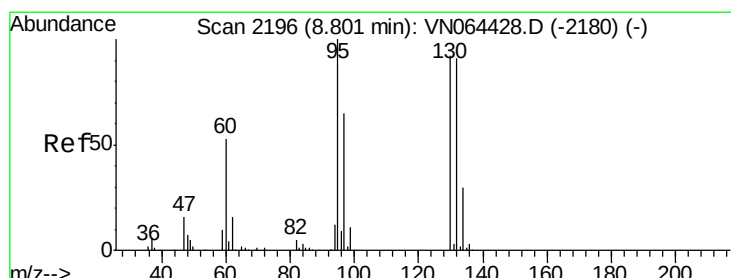
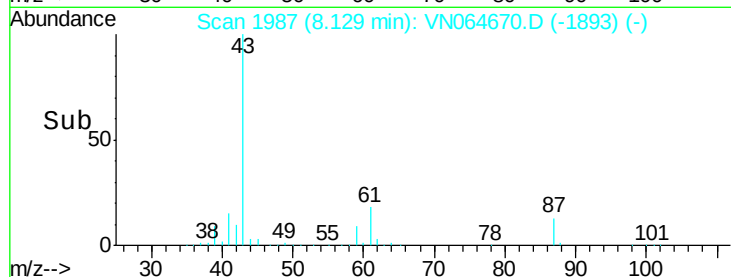
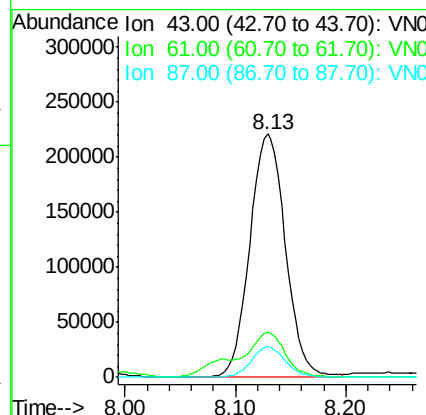
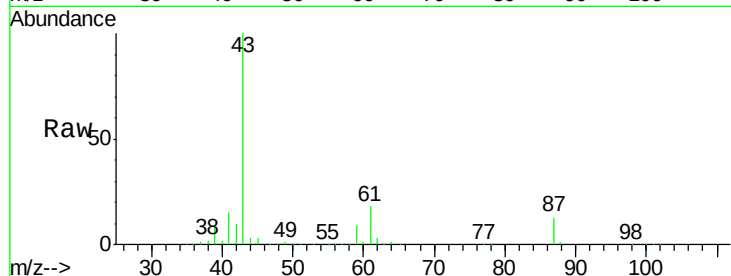
#43
Isopropyl Acetate
Concen: 47.590 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.0	21.0
87	12.1	9.1	13.7

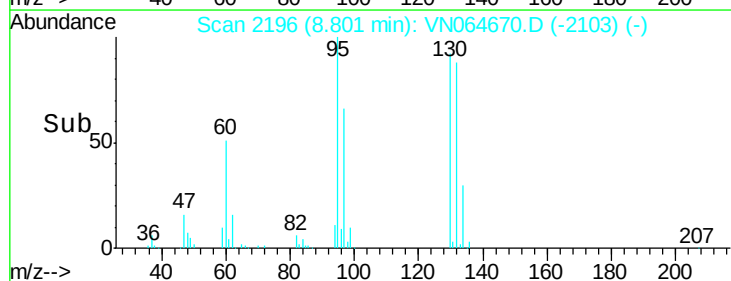
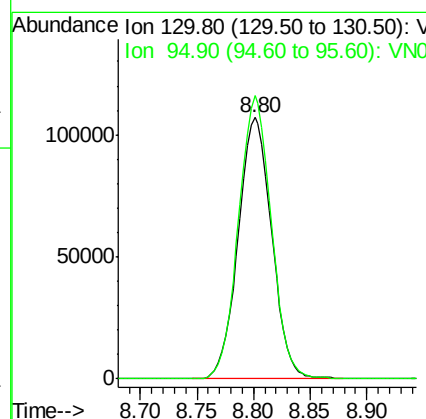
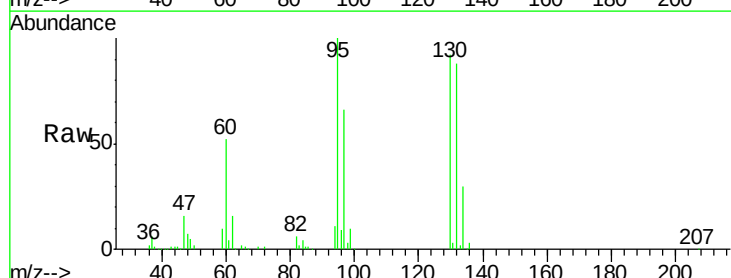
Manual Integrations
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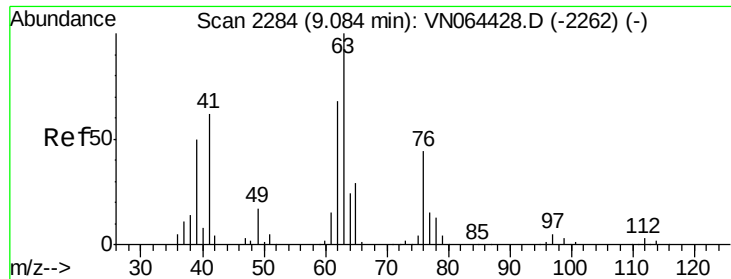
MMDadoda
11/17/2020 7:02:28 PM



#44
Trichloroethene
Concen: 46.467 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	216.8





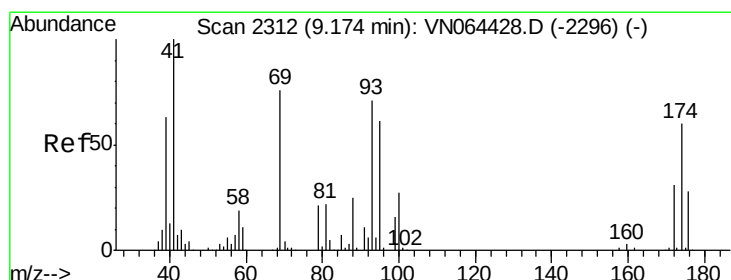
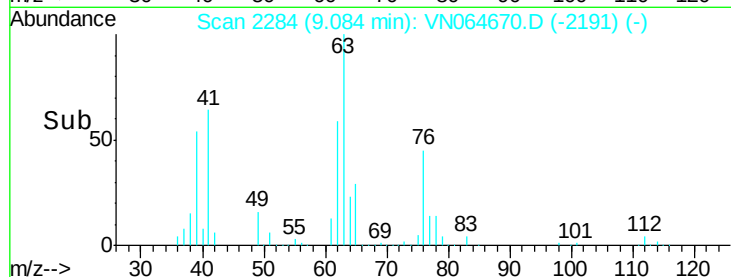
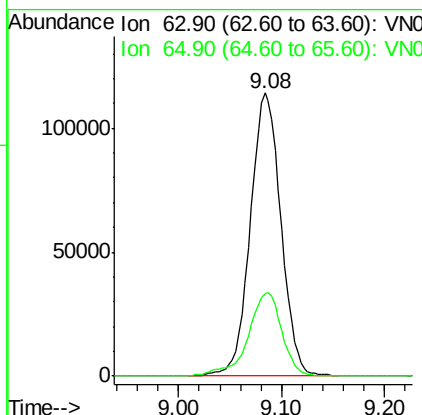
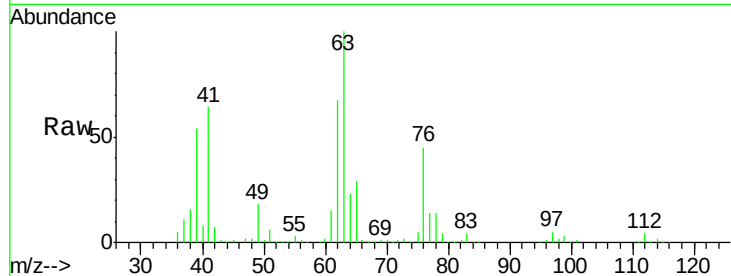
#45
 1,2-Dichloropropane
 Concen: 46.667 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 234906
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.6 35.4

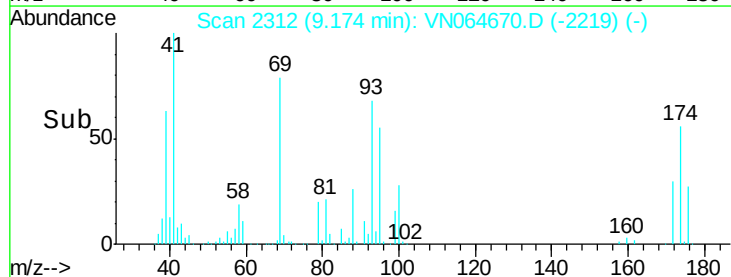
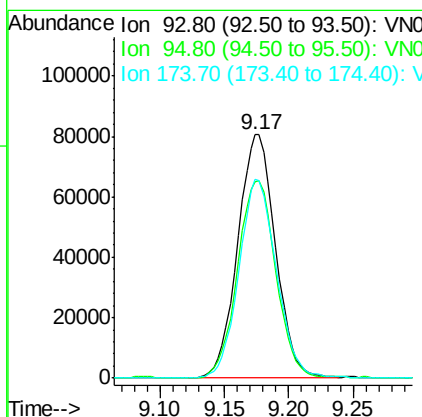
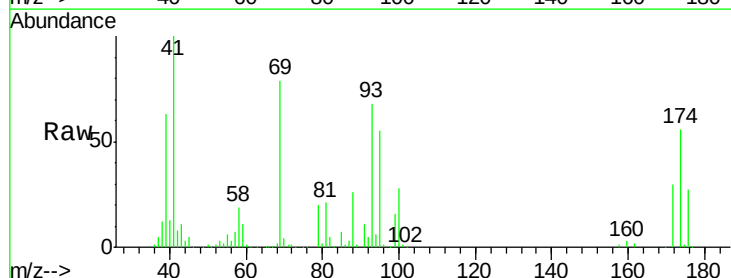
Manual Integrations
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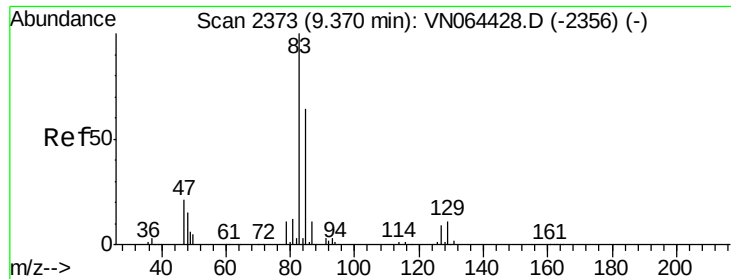
MMDadoda
 11/17/2020 7:02:28 PM



#46
 Dibromomethane
 Concen: 49.572 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion: 93 Resp: 164261
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.4 99.6
 174 81.3 67.2 100.8





#47

Bromodichloromethane

Concen: 48.456 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

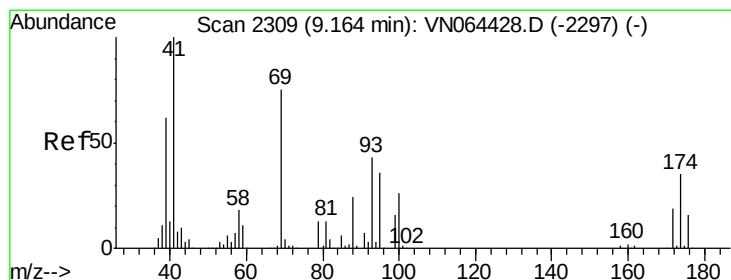
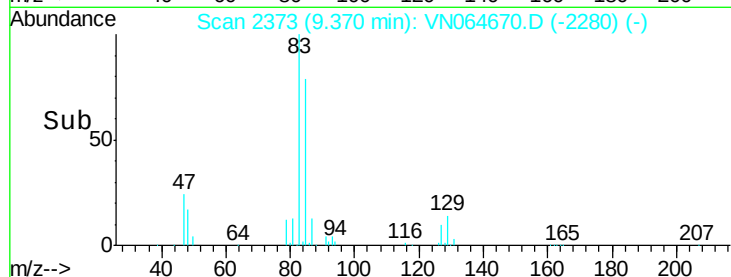
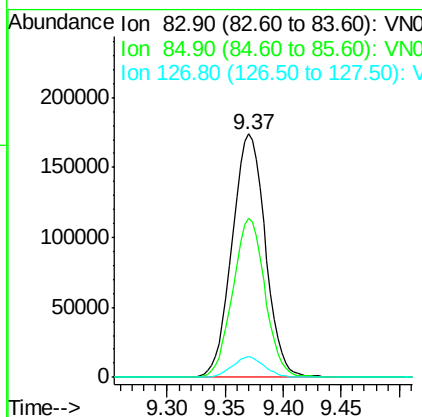
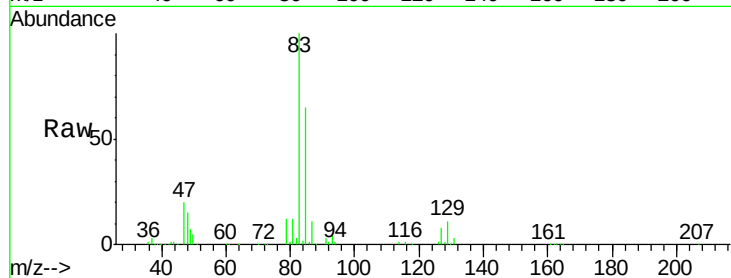
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	345248
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.2	76.8
127	8.4	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.459 ug/l

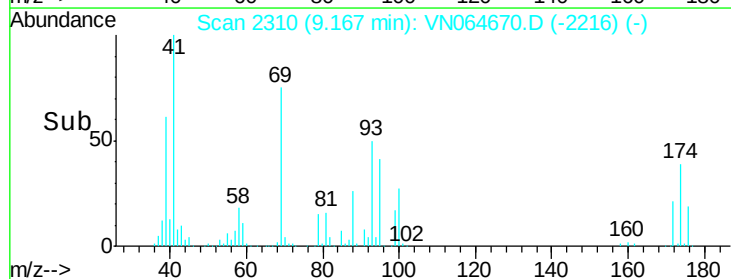
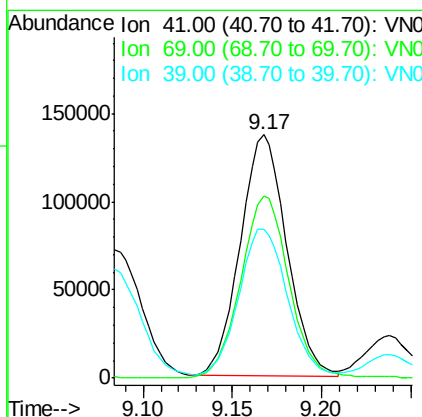
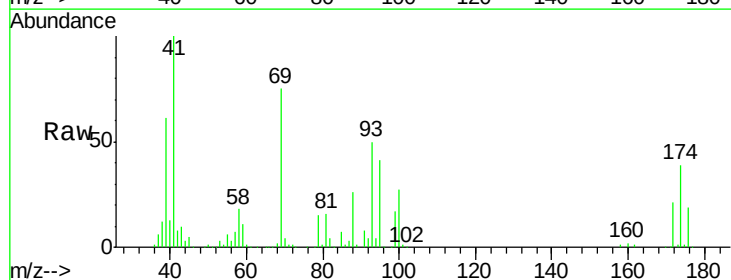
RT: 9.17 min Scan# 2310

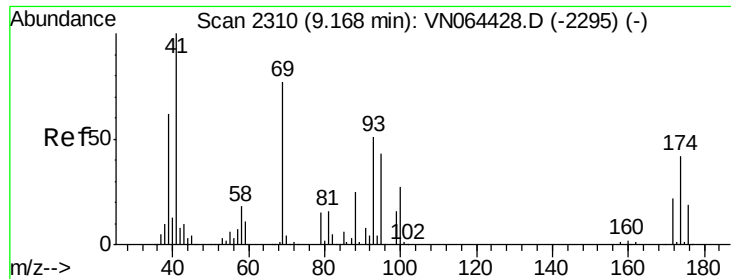
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	41	Resp:	249157
Ion Ratio	Lower	Upper	
41	100		
69	78.7	60.4	90.6
39	65.3	51.2	76.8





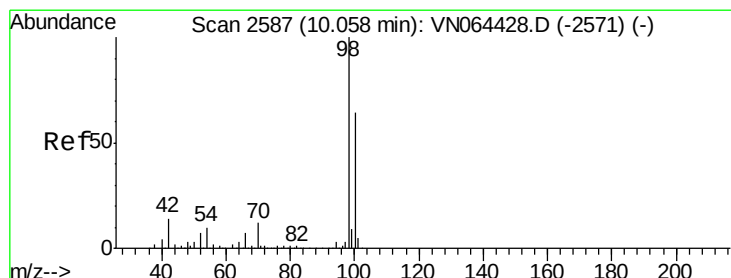
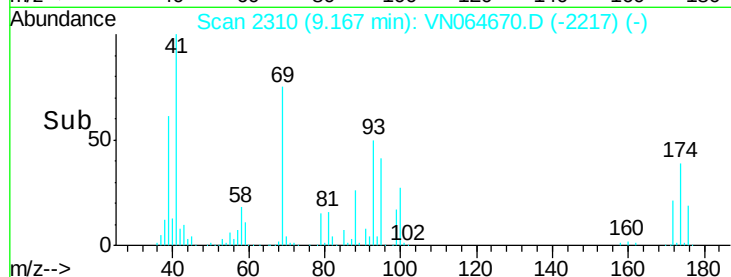
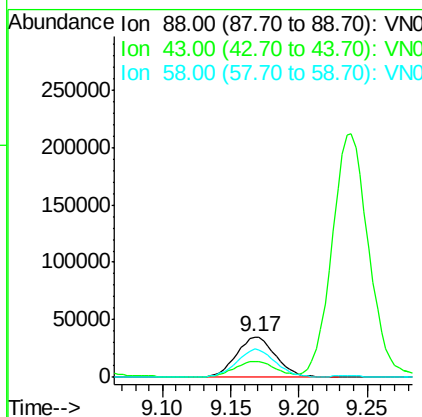
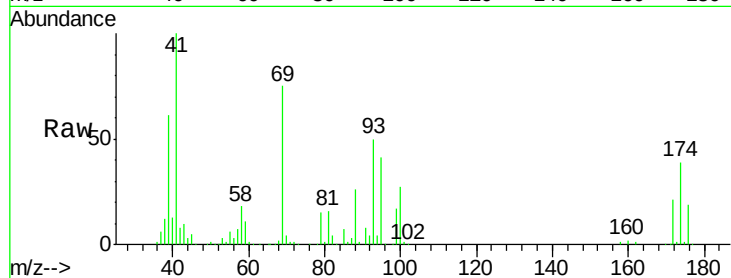
#49
1,4-Dioxane
Concen: 1019.258 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	70481
Ion	Ratio	Lower	Upper
88	100		
43	37.8	31.0	46.6
58	69.5	58.4	87.6

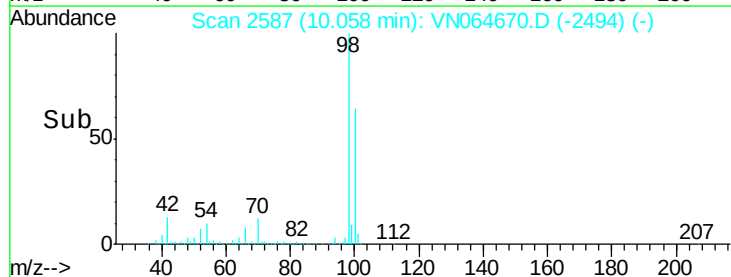
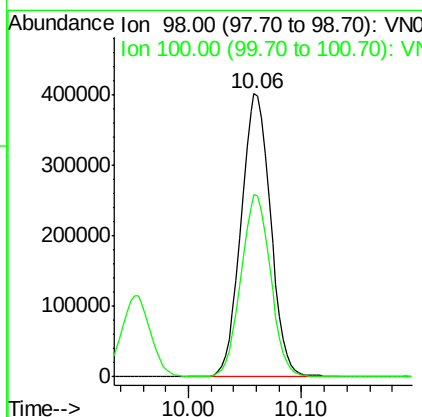
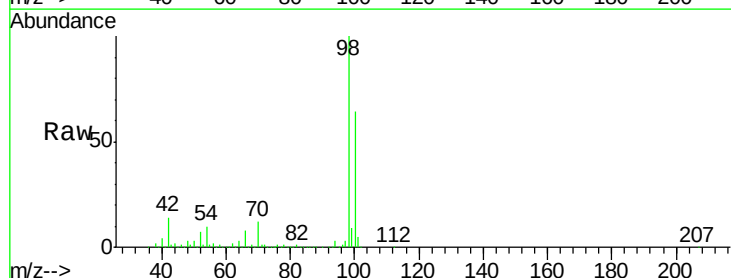
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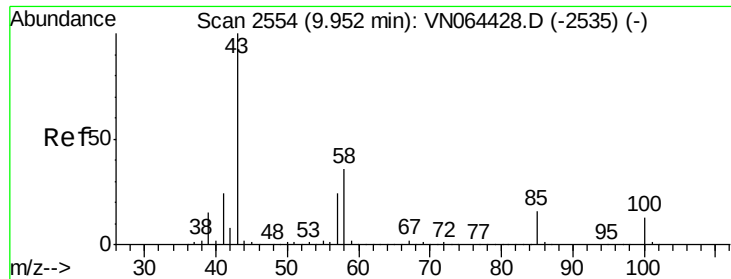
MMDadoda
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#50
Toluene-d8
Concen: 45.781 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	98	Resp	732132
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 252.913 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1534520

Ion Ratio Lower Upper

43 100

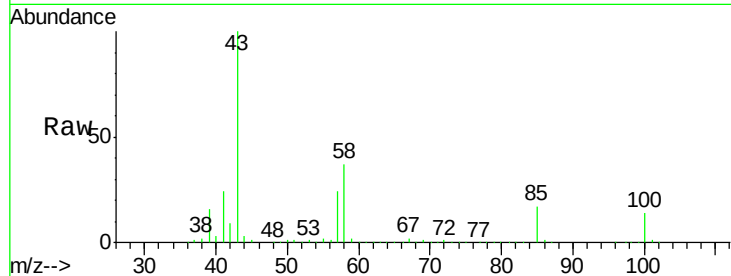
58 36.6 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

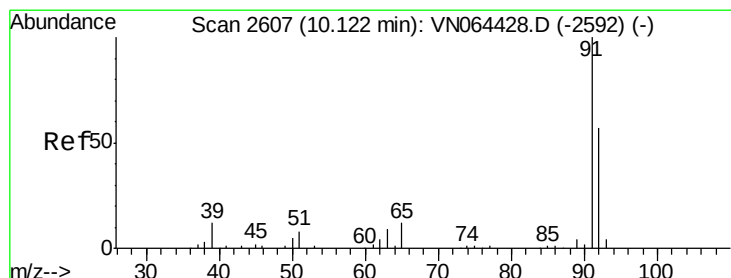
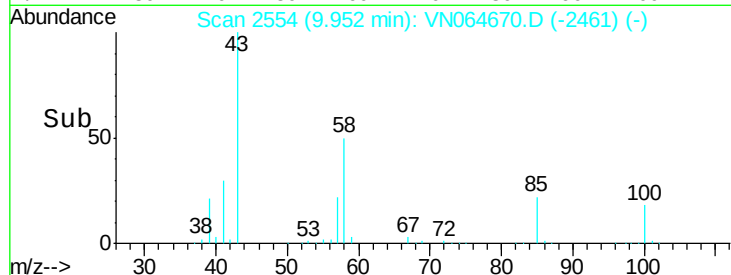
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 47.626 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064670.D

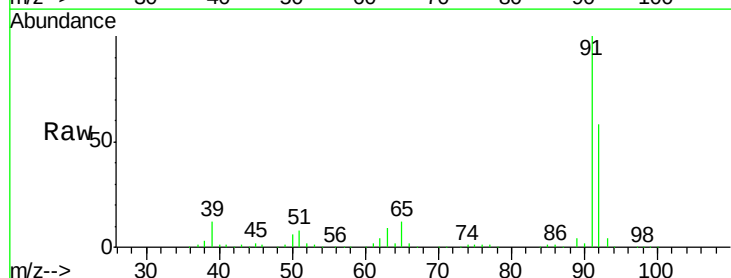
Acq: 16 Nov 2020 19:13

Tgt Ion: 92 Resp: 547988

Ion Ratio Lower Upper

92 100

91 174.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

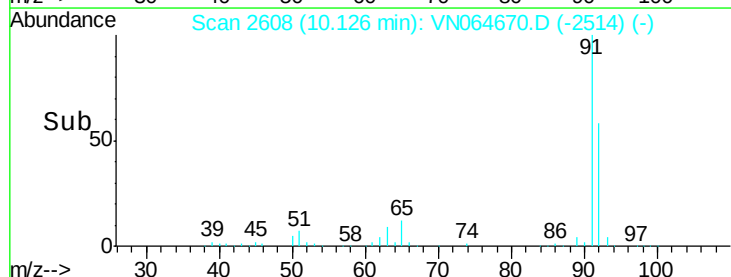
100000

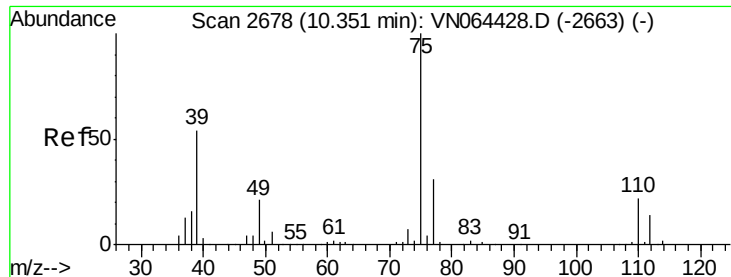
0

10.10

10.20

Time-->





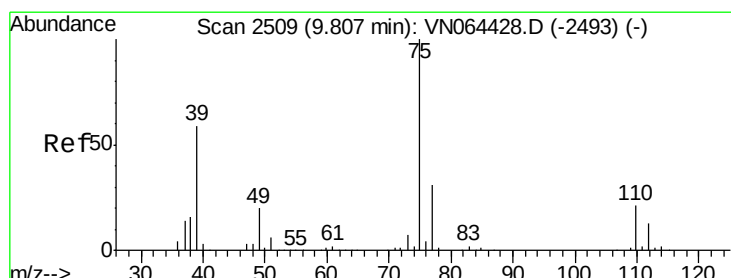
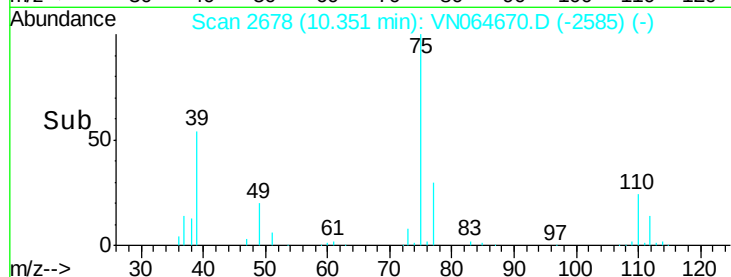
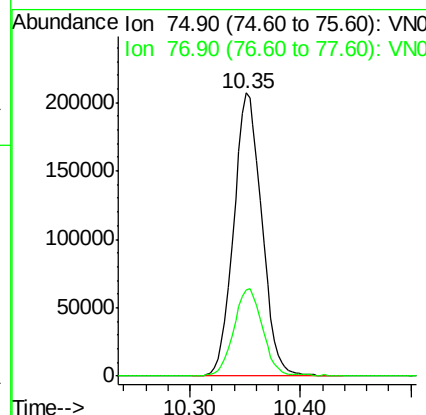
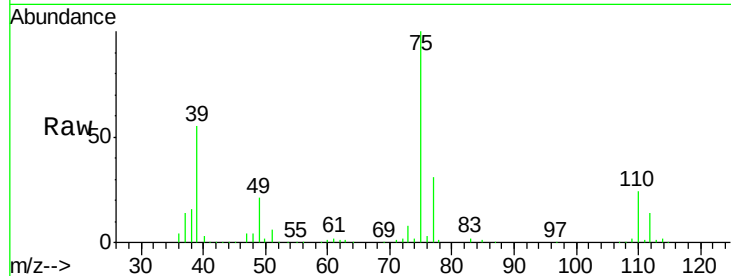
#53
 t-1,3-Dichloropropene
 Concen: 48.457 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 366025
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2

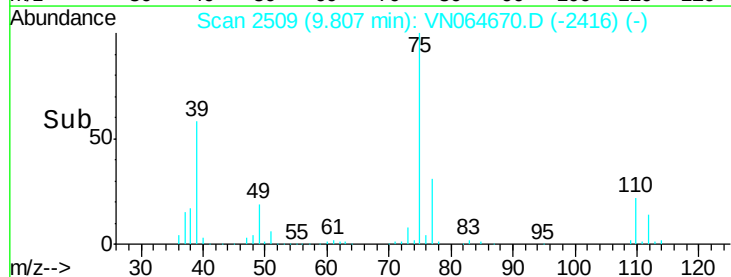
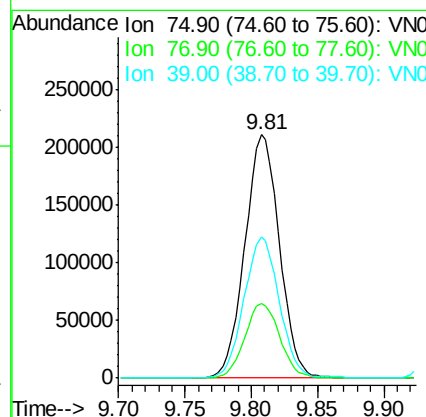
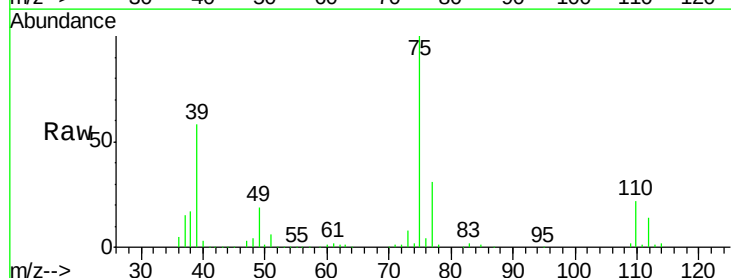
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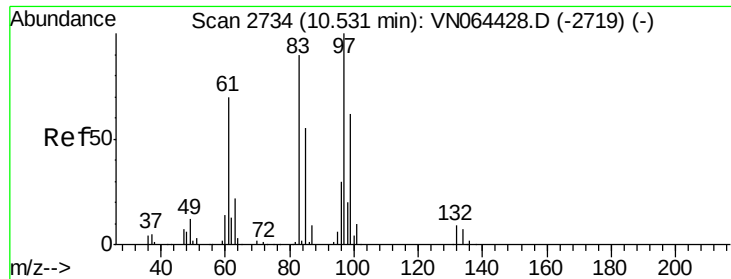
MMDadoda
 11/17/2020 7:02:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.507 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion: 75 Resp: 383679
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.9 37.3
 39 57.8 47.1 70.7





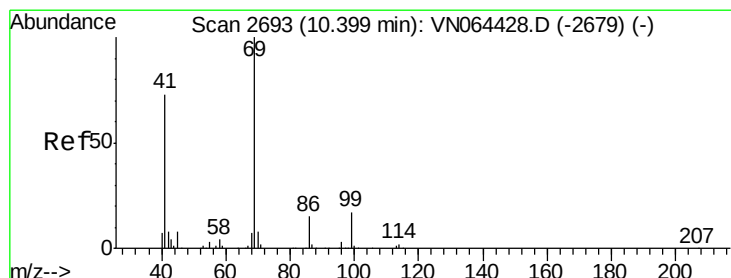
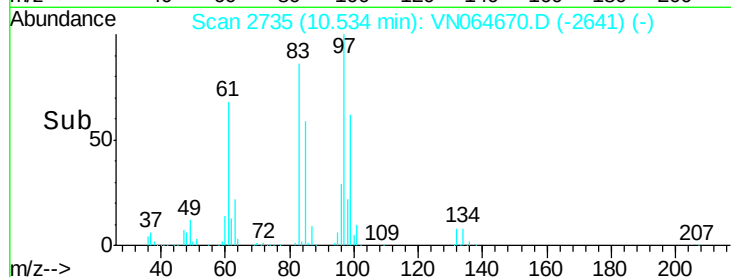
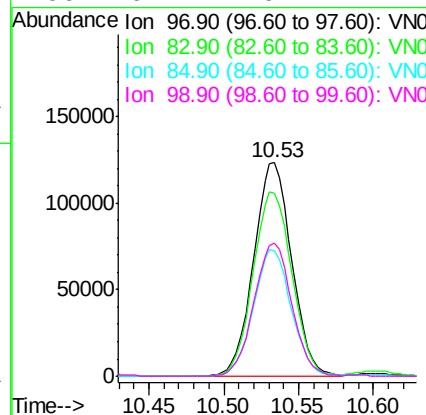
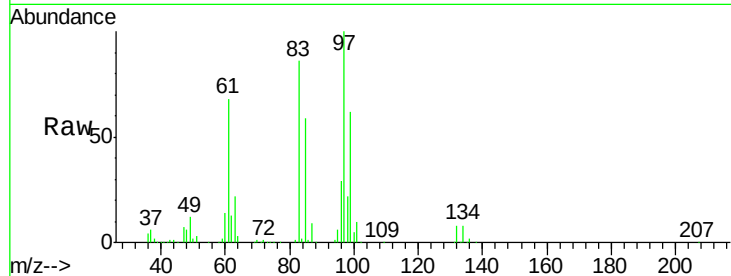
#55
 1,1,2-Trichloroethane
 Concen: 48.644 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		218282		
83	85.7	71.7	107.5		
85	59.0	44.3	66.5		
99	62.4	49.4	74.2		

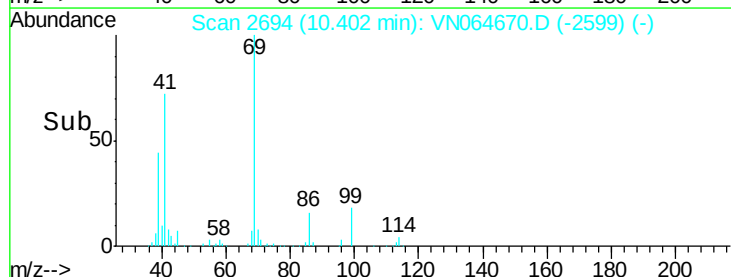
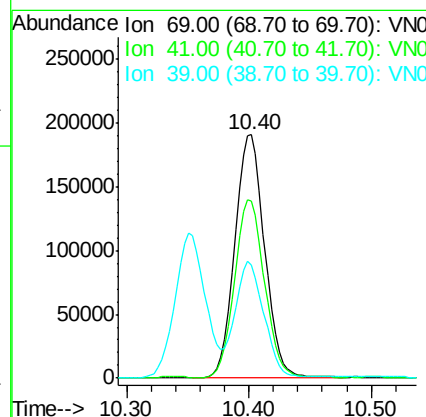
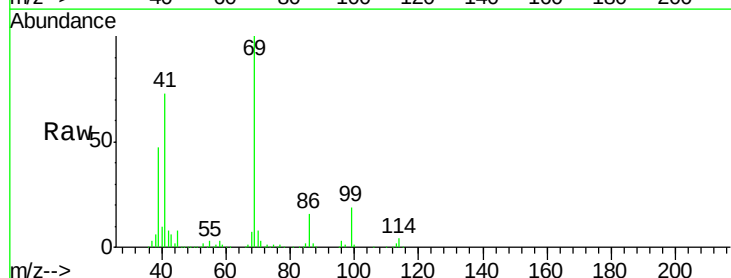
Manual Integrations
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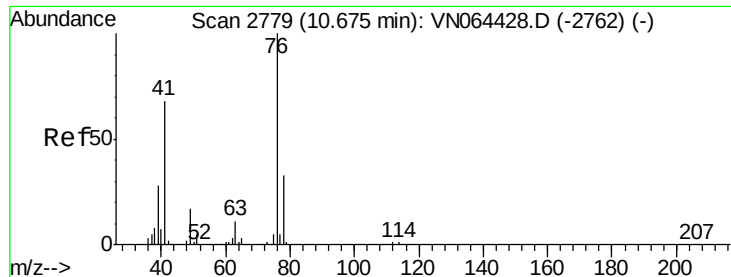
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#56
 Ethyl methacrylate
 Concen: 44.325 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		325652		
41	73.1	59.3	88.9		
39	46.3	35.4	53.0		





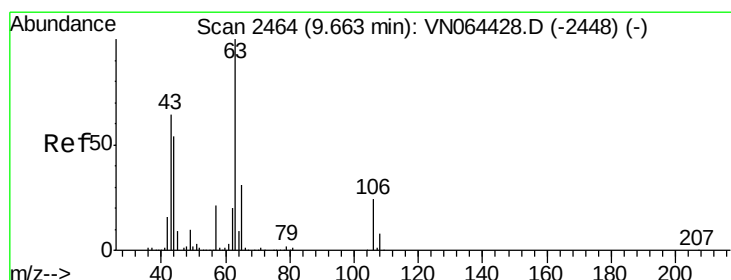
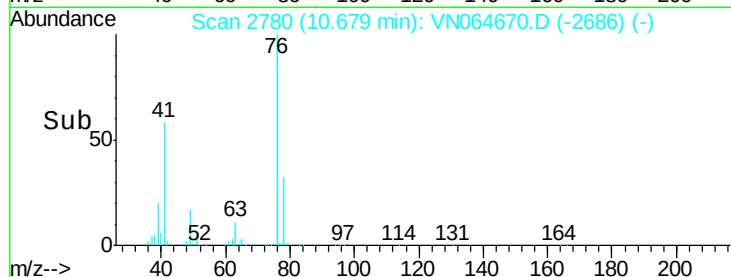
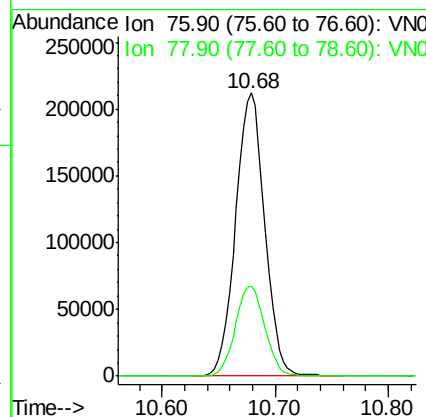
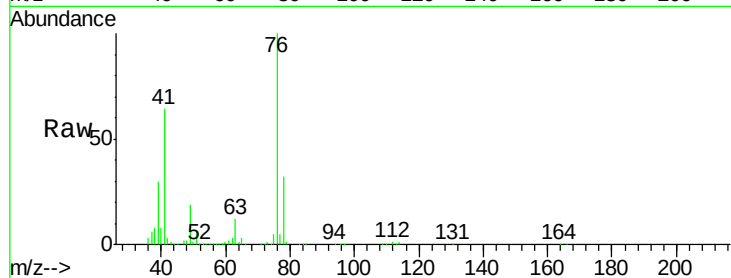
#57
 1,3-Dichloropropane
 Concen: 48.518 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

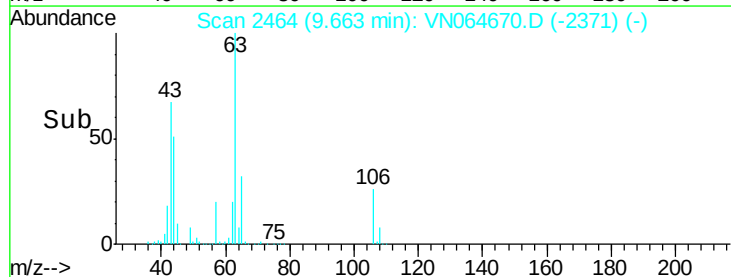
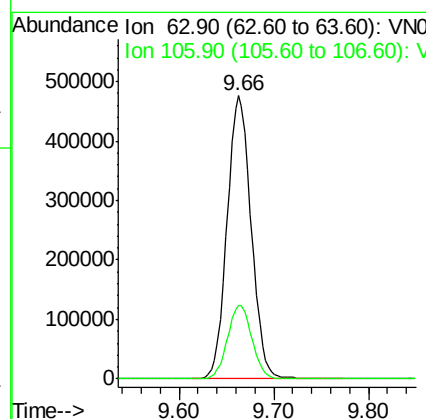
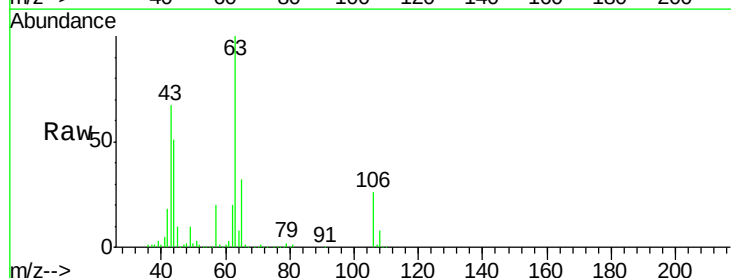
Manual Integrations
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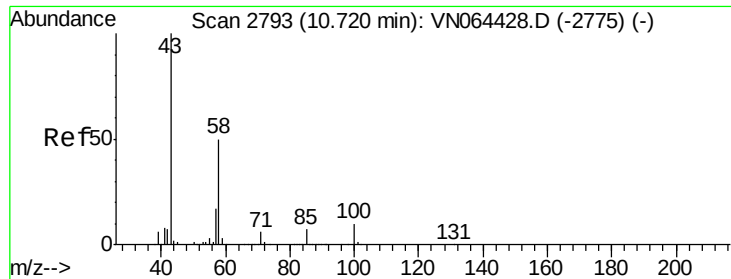
MMDadoda
 11/17/2020 7:02:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.005 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	19.5	29.3





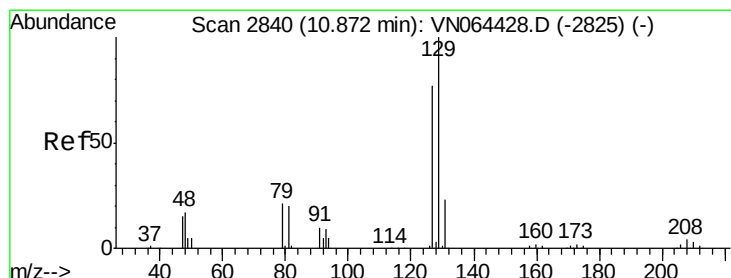
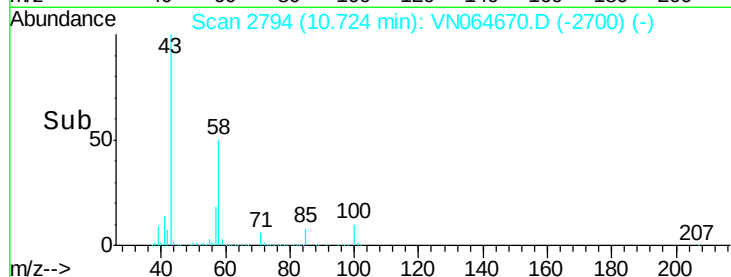
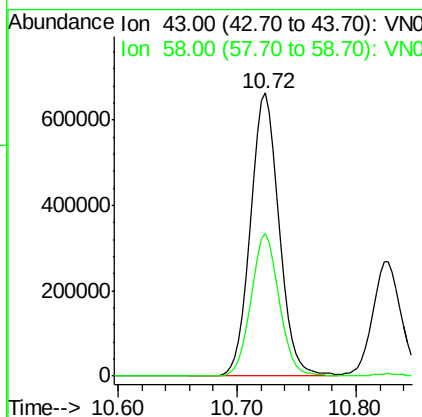
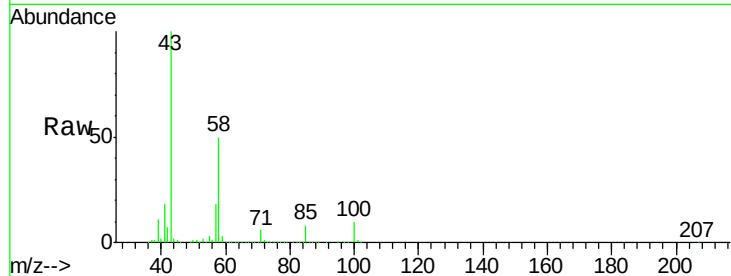
#59
2-Hexanone
Concen: 223.298 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1102626
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1

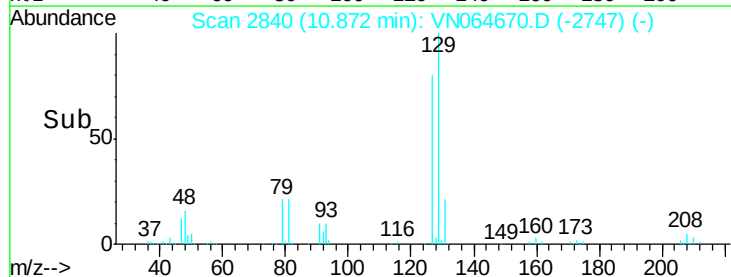
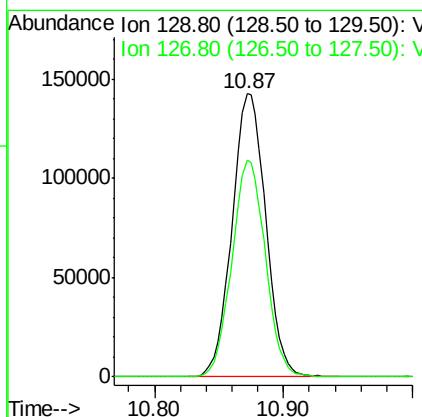
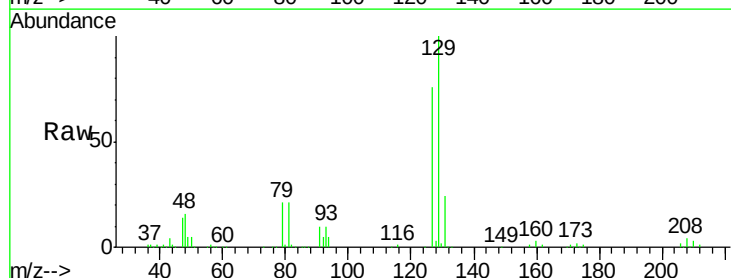
Manual Integrations
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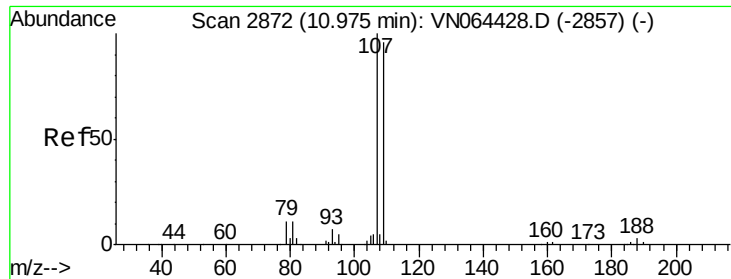
MMDadoda
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#60
Dibromochloromethane
Concen: 51.538 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion: 129 Resp: 258930
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





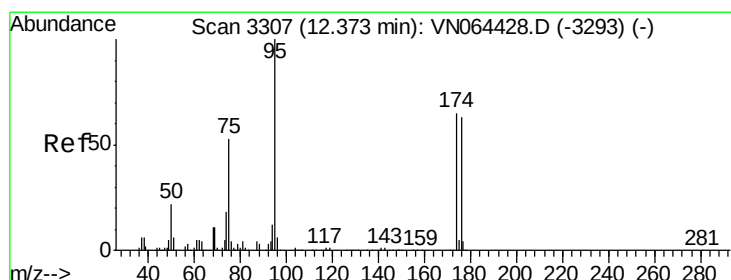
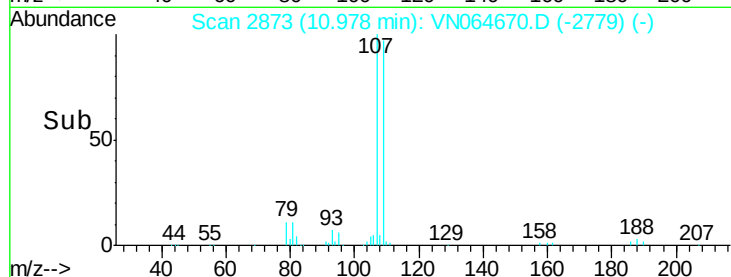
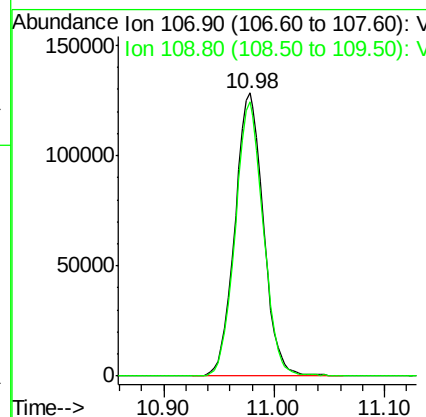
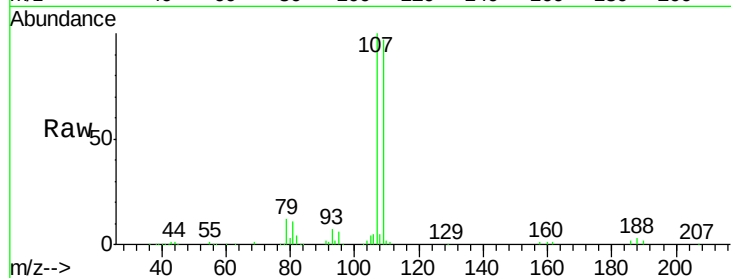
#61
 1,2-Dibromoethane
 Concen: 50.471 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.9	113.9

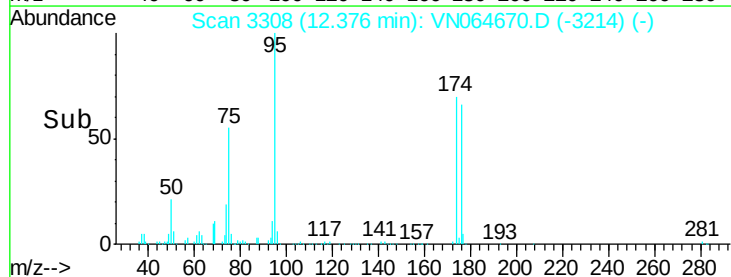
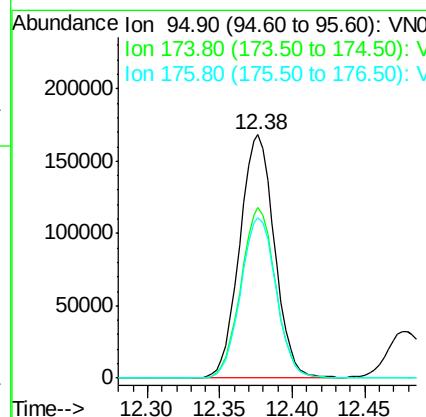
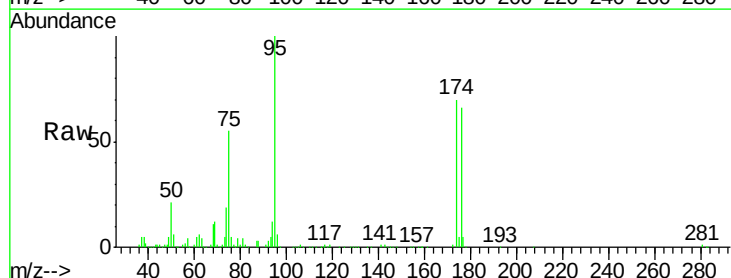
Manual Integrations
 APPROVED

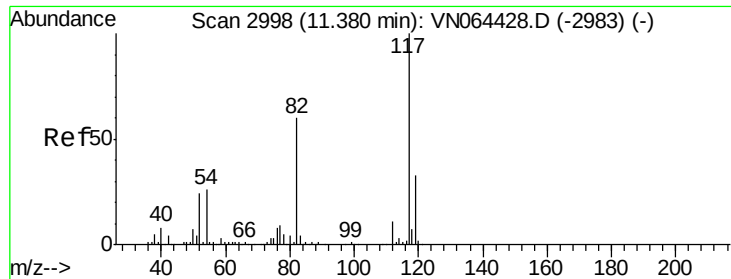
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#62
 4-Bromofluorobenzene
 Concen: 46.217 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	132.6
176	67.5	0.0	129.2





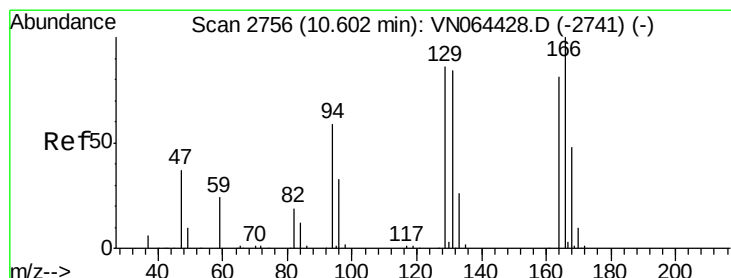
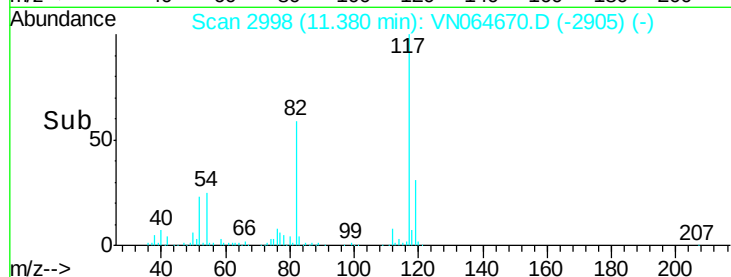
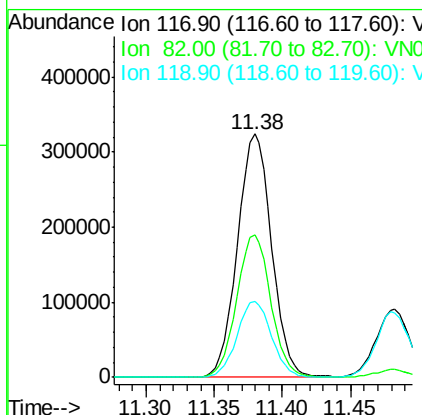
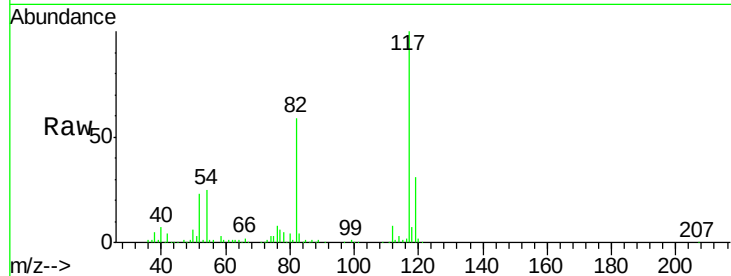
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.1	72.1
119	31.1	26.2	39.4

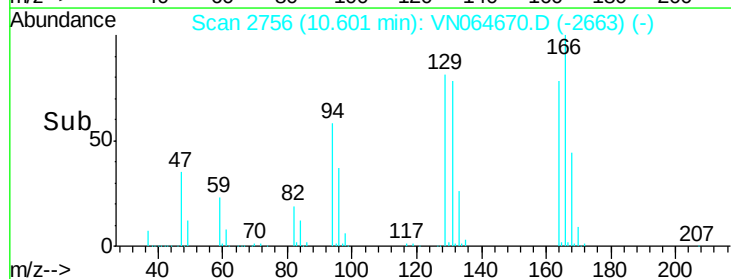
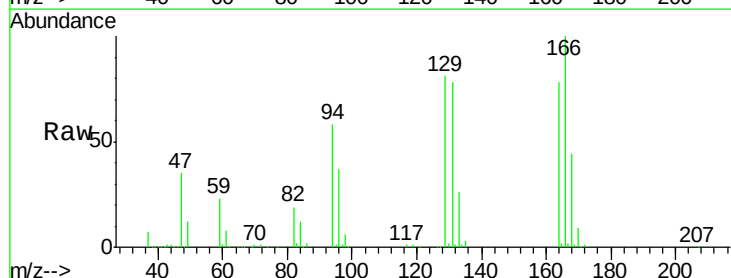
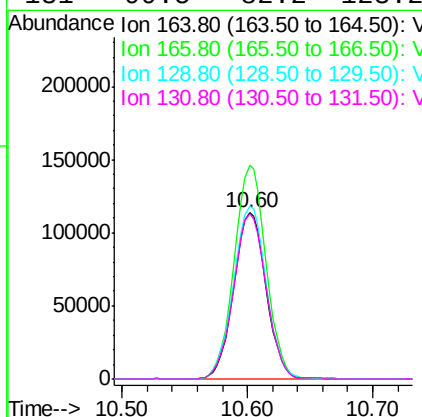
Manual Integrations
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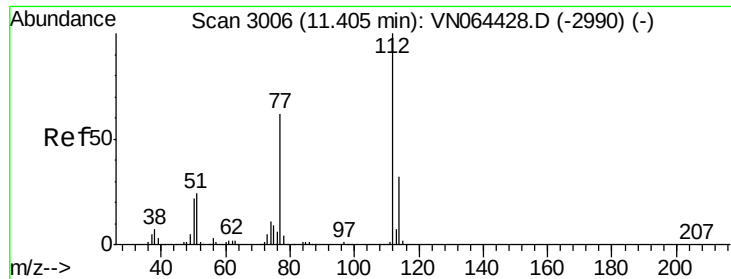
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#64
Tetrachloroethene
Concen: 46.920 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	98.2	147.2
129	104.2	84.6	127.0
131	99.5	82.2	123.2





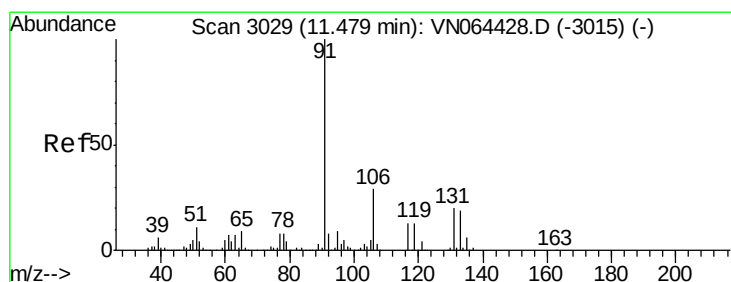
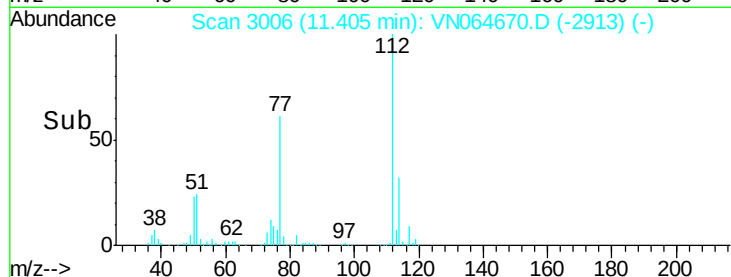
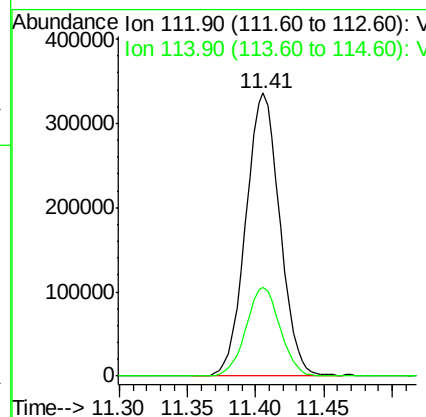
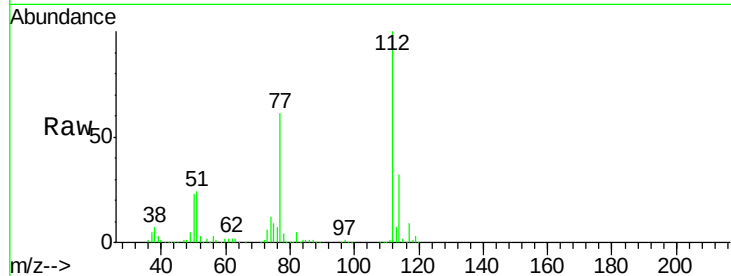
#65
Chlorobenzene
Concen: 47.126 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.6	38.4

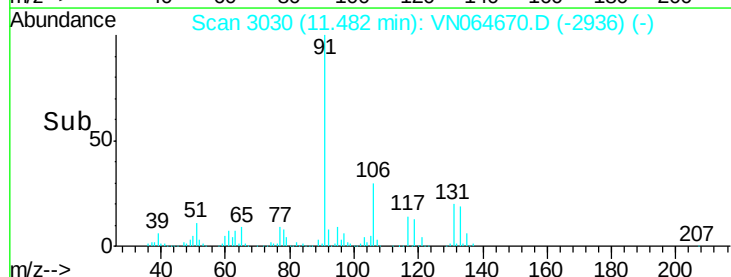
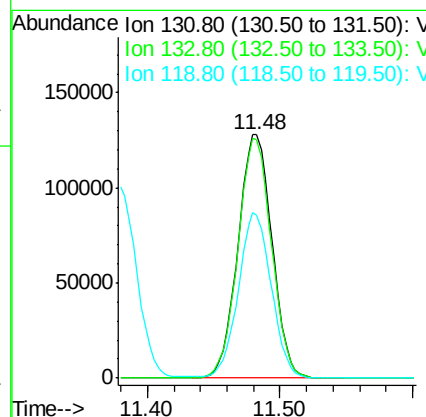
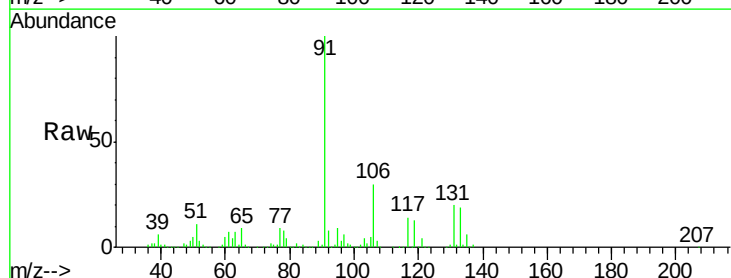
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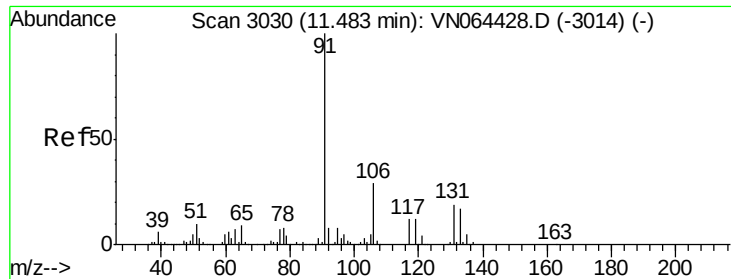
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.422 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	46.9	140.7
119	65.6	32.1	96.5





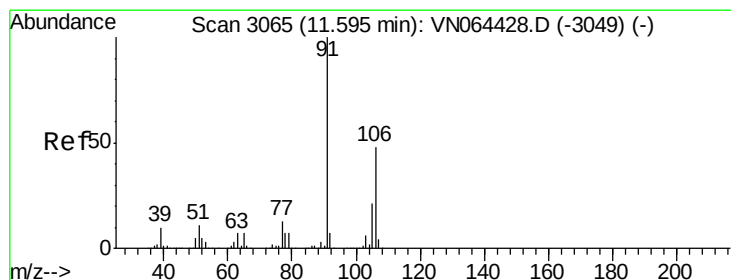
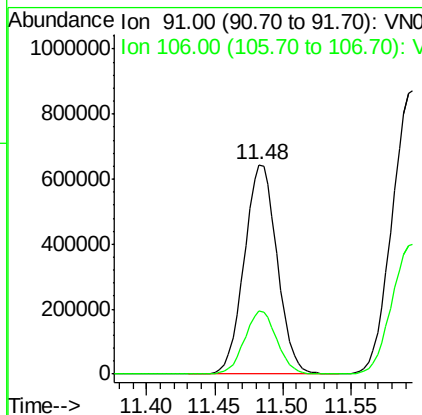
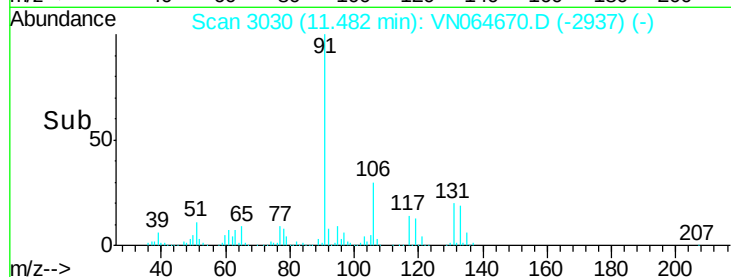
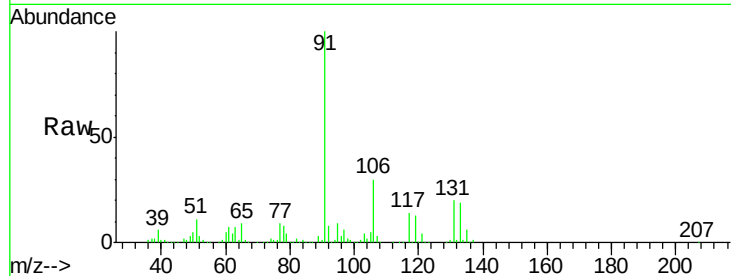
#67
Ethyl Benzene
Concen: 48.994 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1076489
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

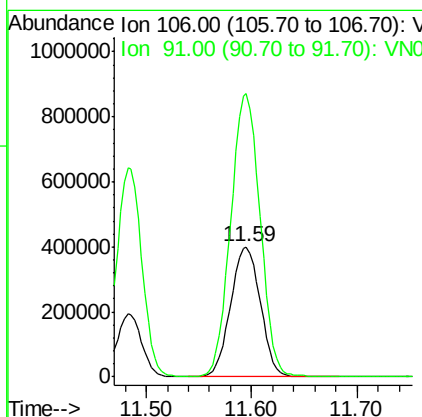
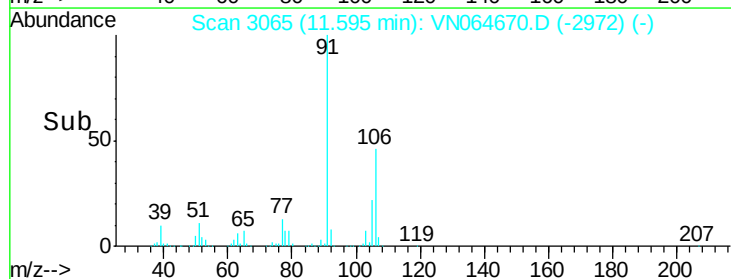
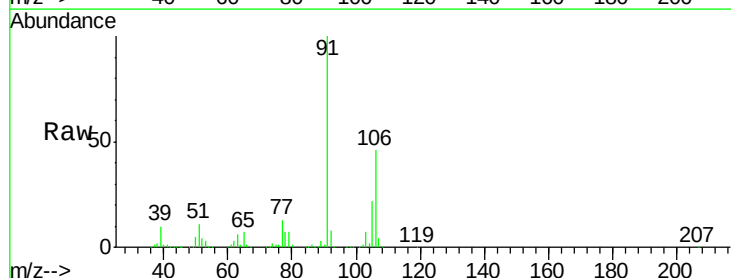
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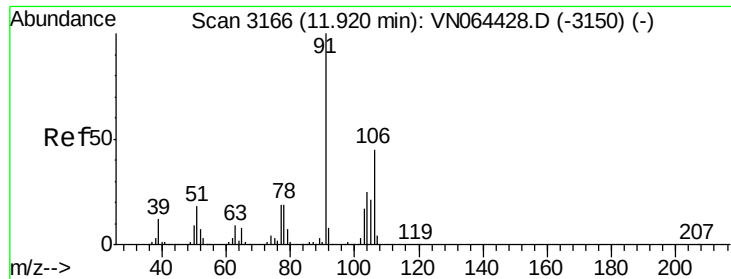
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#68
m/p-Xylenes
Concen: 98.104 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion: 106 Resp: 781727
Ion Ratio Lower Upper
106 100
91 215.3 169.4 254.2





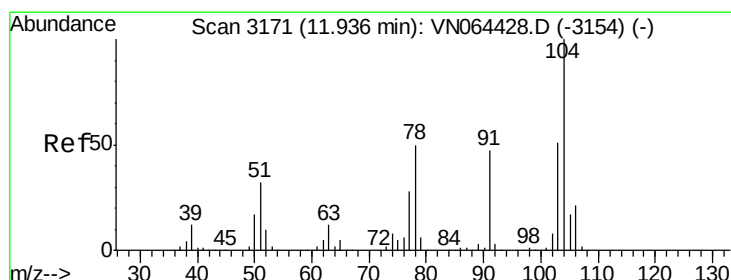
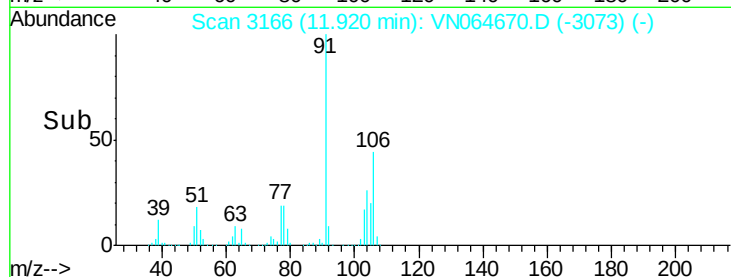
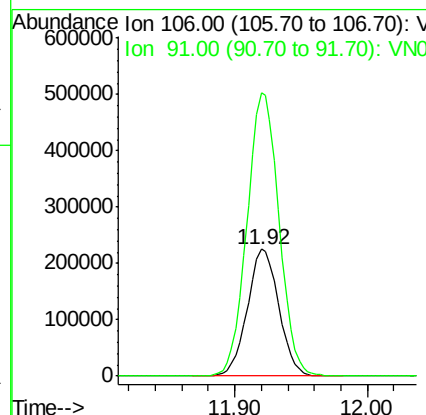
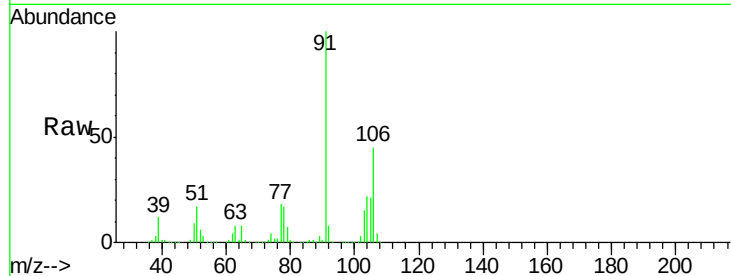
#69
o-Xylene
Concen: 48.169 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 370902
Ion Ratio Lower Upper
106 100
91 227.1 111.7 334.9

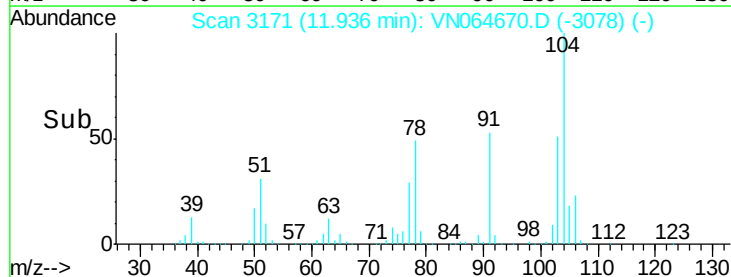
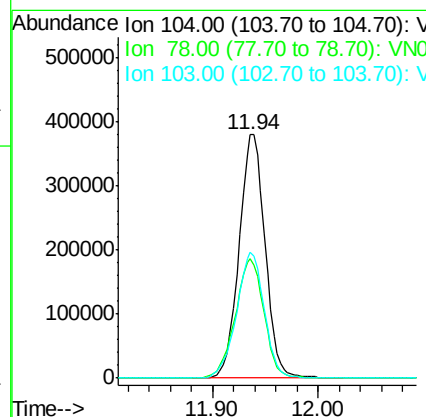
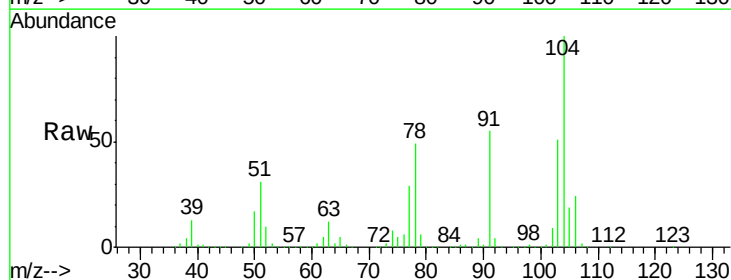
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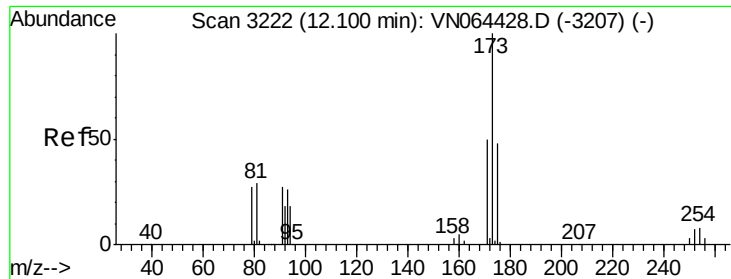
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#70
Styrene
Concen: 50.121 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion:104 Resp: 649411
Ion Ratio Lower Upper
104 100
78 54.1 44.0 66.0
103 54.9 43.8 65.6





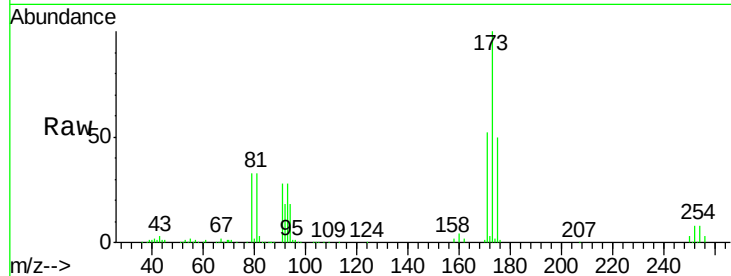
#71
Bromoform
Concen: 48.899 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

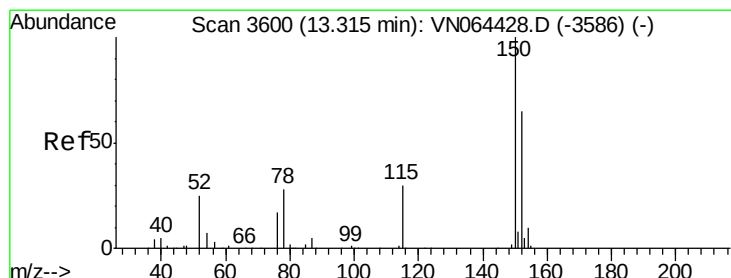
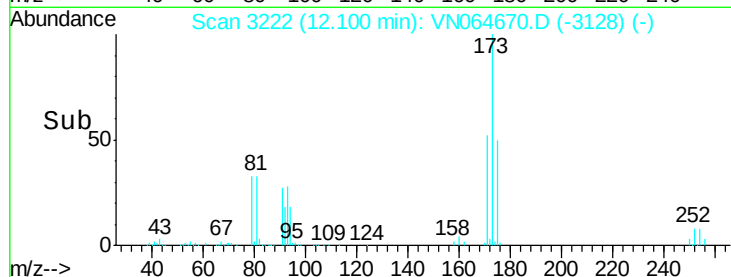
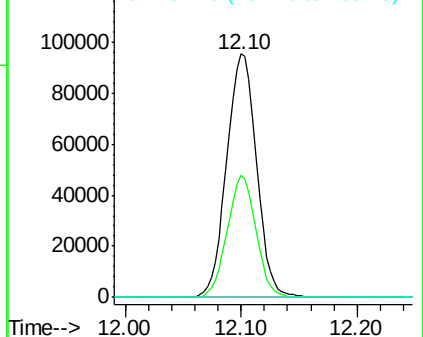
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.7	71.1
254	0.1	0.0	0.0

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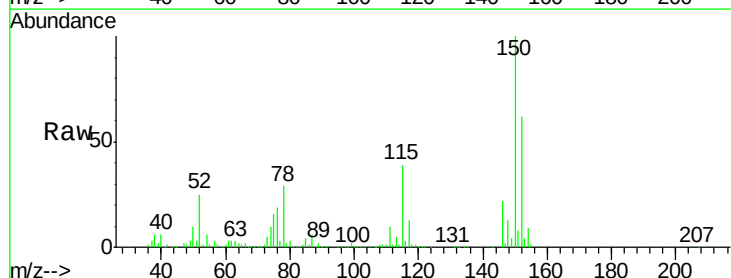


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

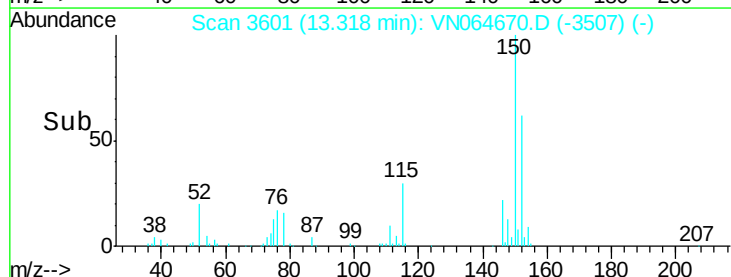
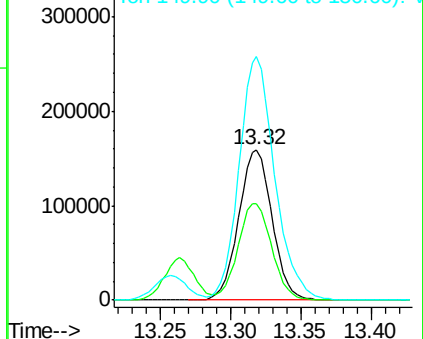


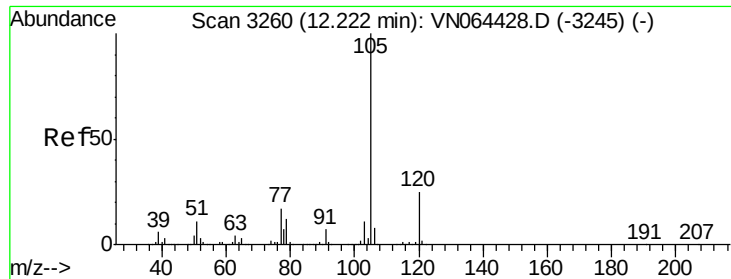
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.0	96.0
150	172.4	0.0	353.8



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: 48.823 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1024774

Ion Ratio Lower Upper

105 100

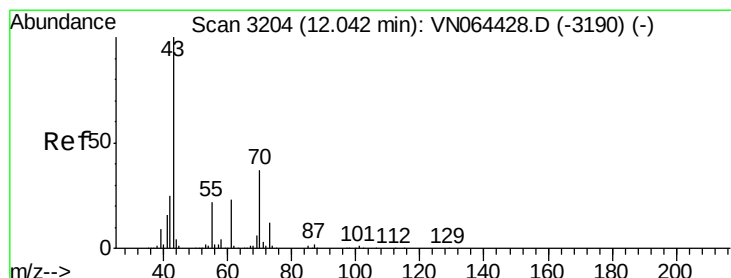
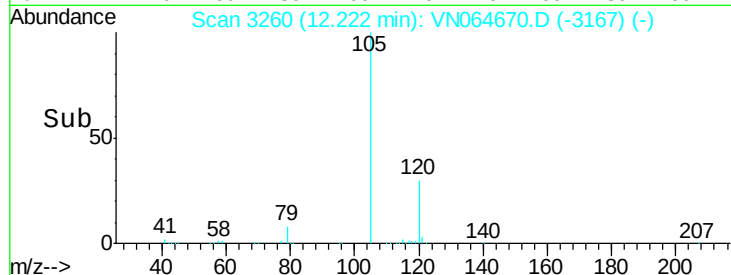
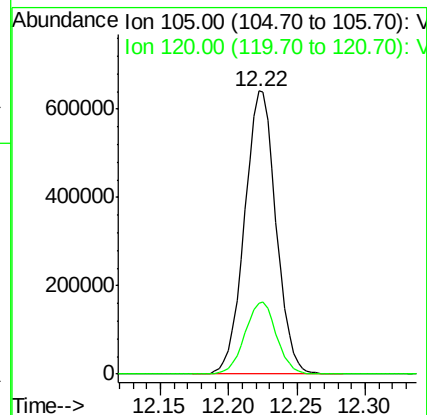
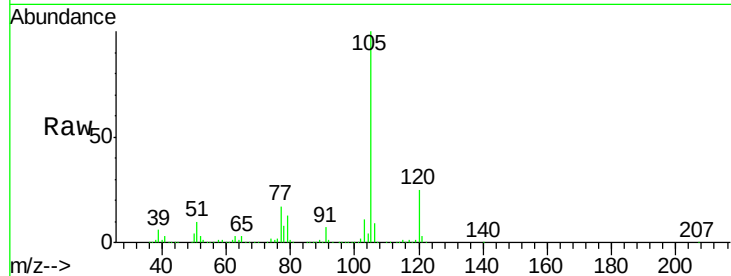
120 25.5 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.329 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion: 43 Resp: 439394

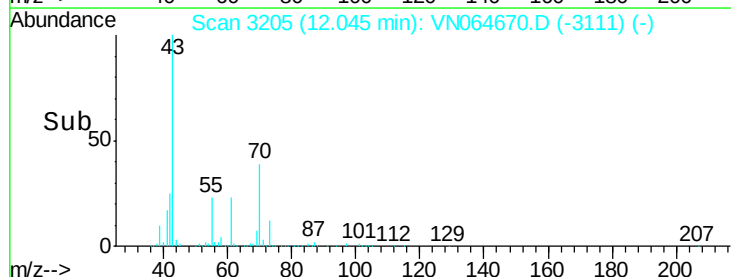
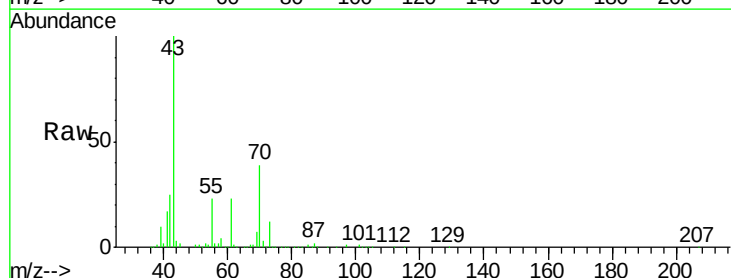
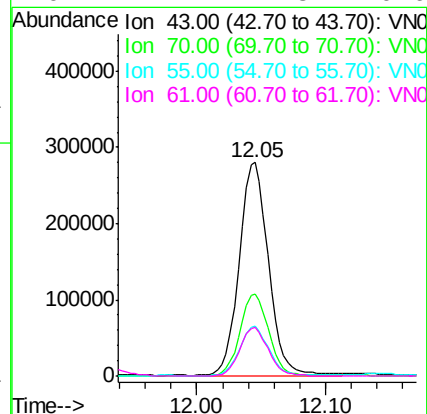
Ion Ratio Lower Upper

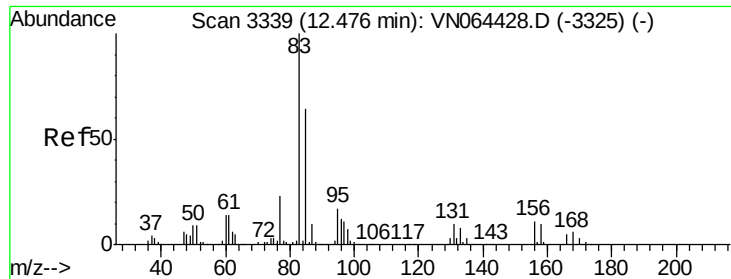
43 100

70 38.3 29.6 44.4

55 23.2 18.4 27.6

61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.016 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

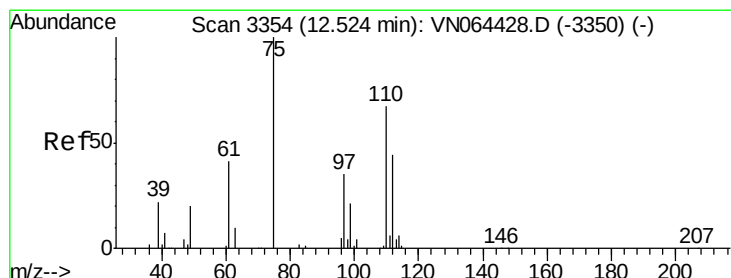
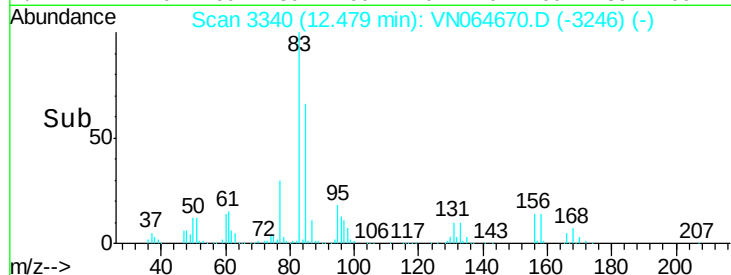
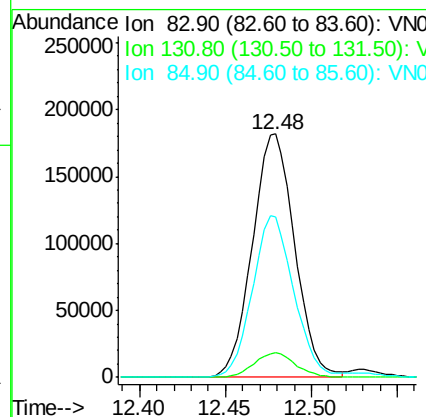
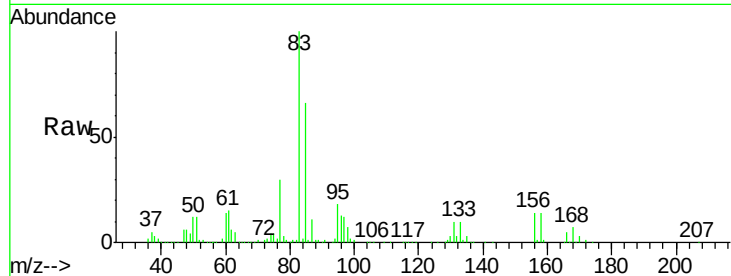
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	309560
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.690 ug/l m

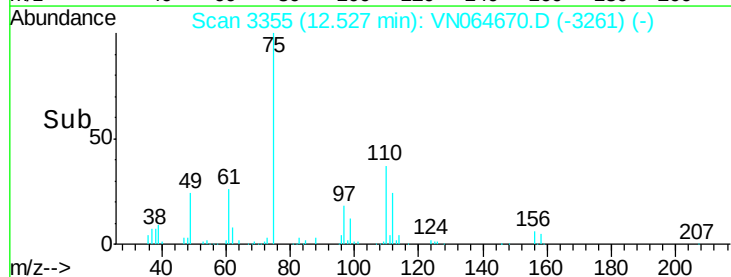
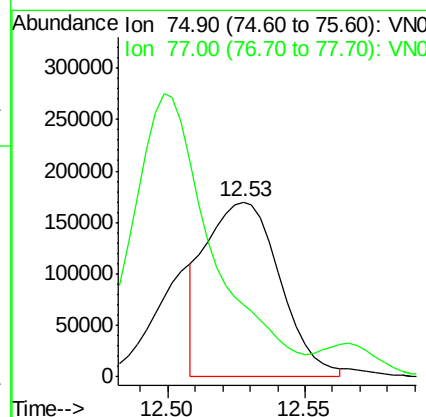
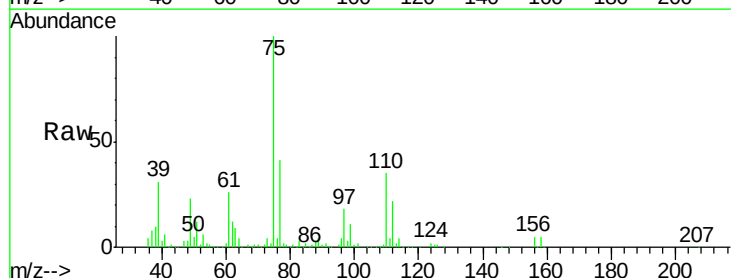
RT: 12.53 min Scan# 3355

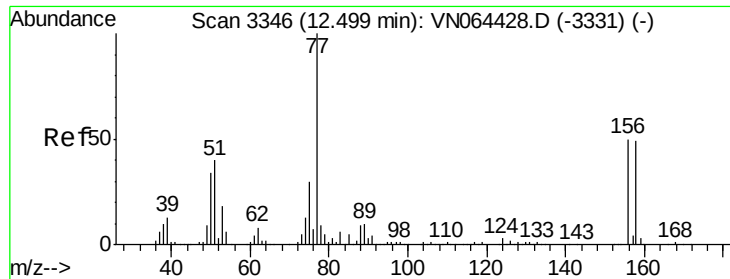
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	75	Resp:	317934
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.547 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 238529

Ion Ratio Lower Upper

156 100

77 234.6 119.0 357.0

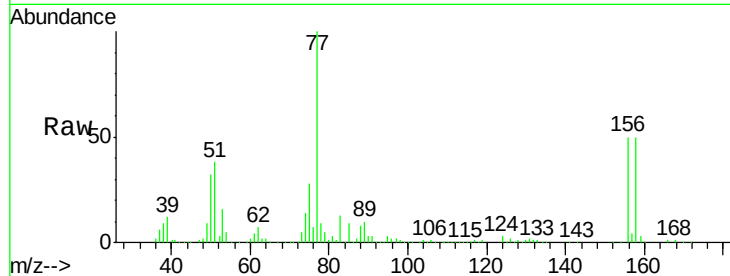
158 97.8 48.4 145.3

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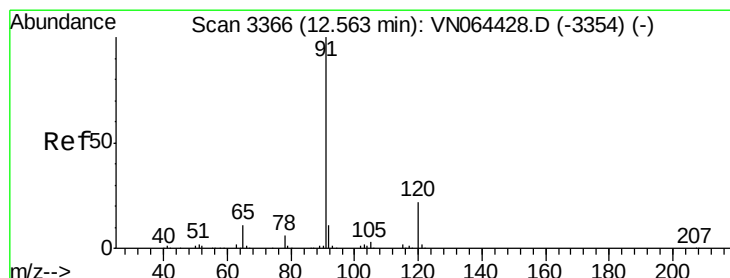
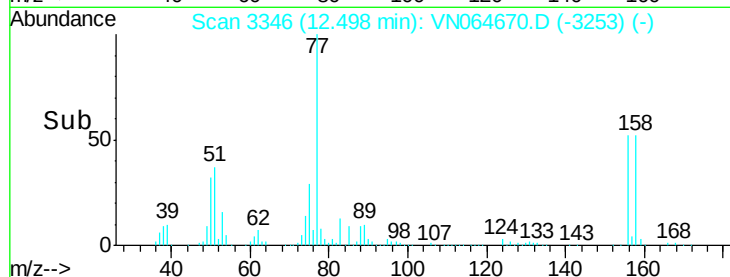
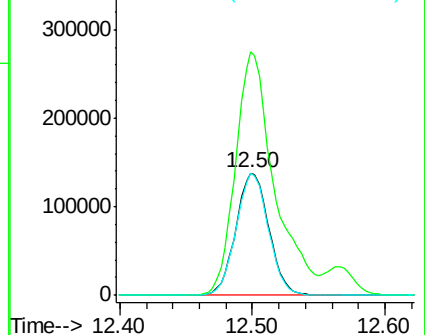
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.338 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064670.D

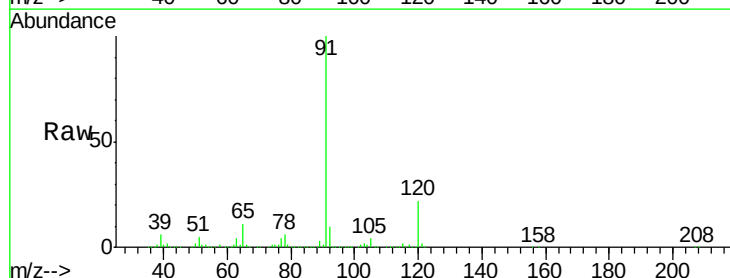
Acq: 16 Nov 2020 19:13

Tgt Ion: 91 Resp: 1204570

Ion Ratio Lower Upper

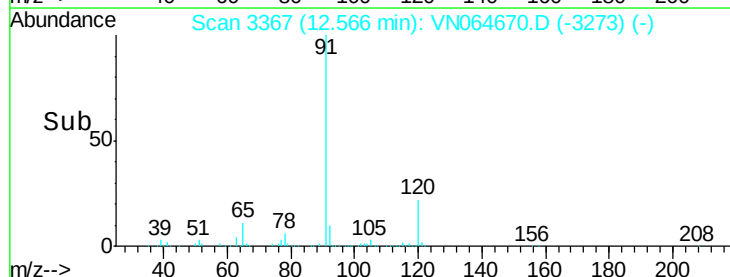
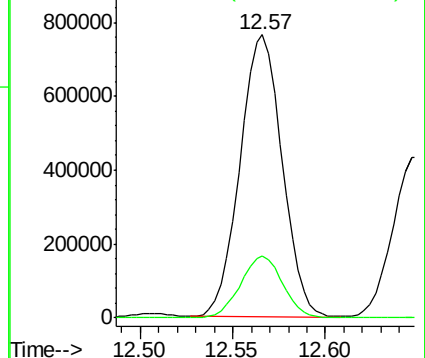
91 100

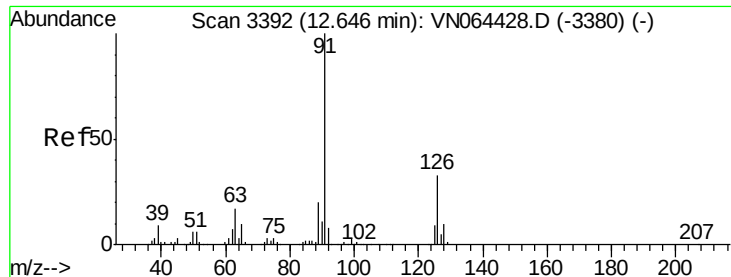
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.809 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 710436

Ion Ratio Lower Upper

91 100

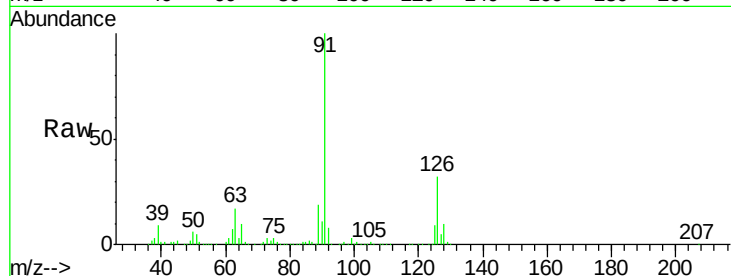
126 32.5 16.4 49.1

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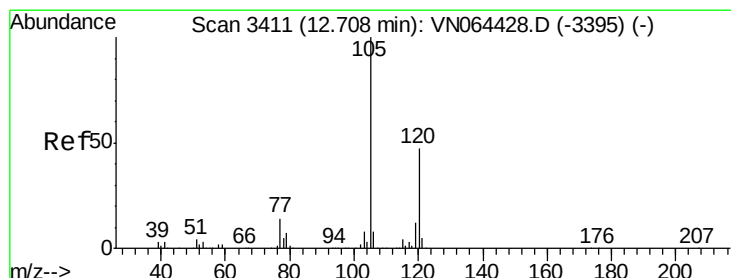
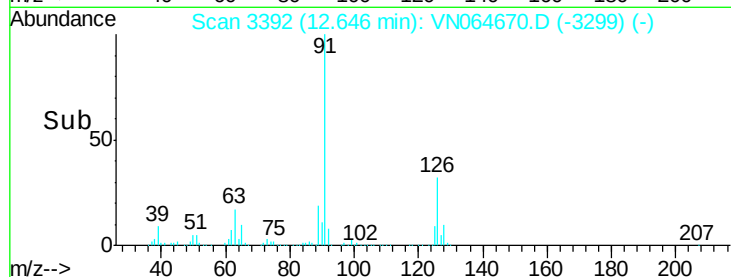
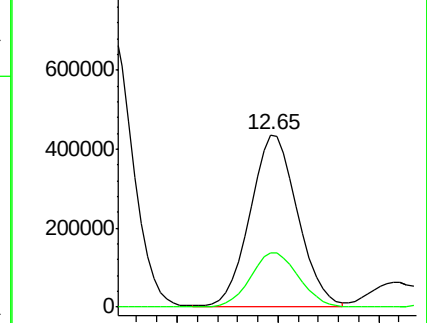
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Abundance Ion 91.00 (90.70 to 91.70): VN064670.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN064670.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.087 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064670.D

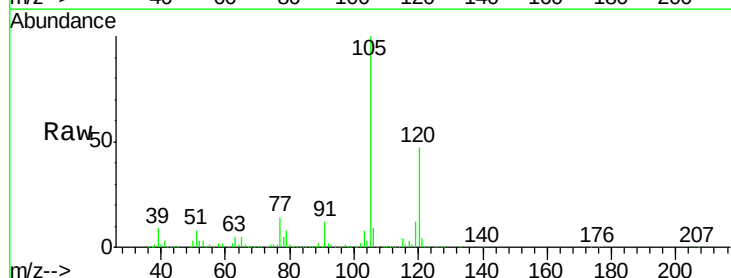
Acq: 16 Nov 2020 19:13

Tgt Ion: 105 Resp: 849989

Ion Ratio Lower Upper

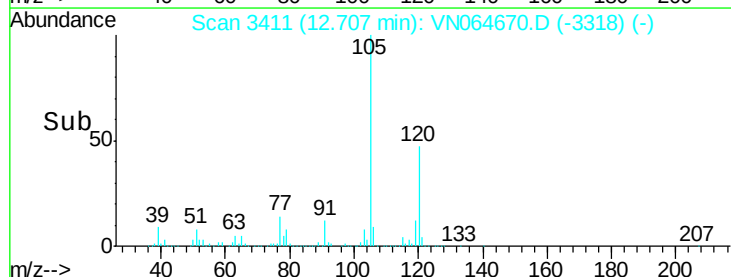
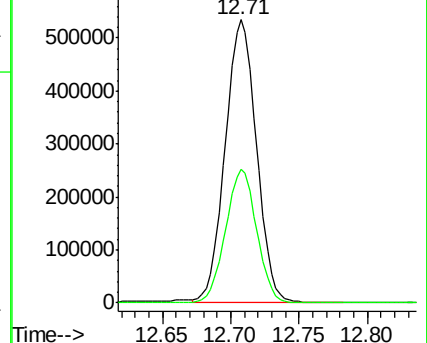
105 100

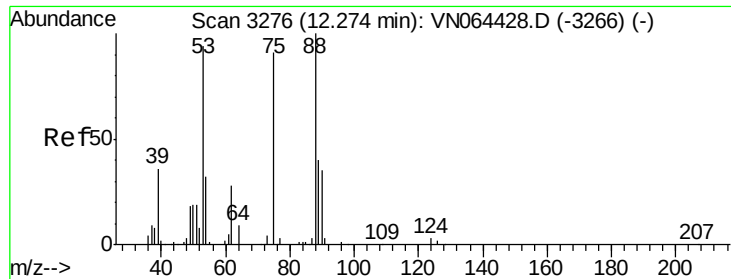
120 47.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064670.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064670.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.522 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

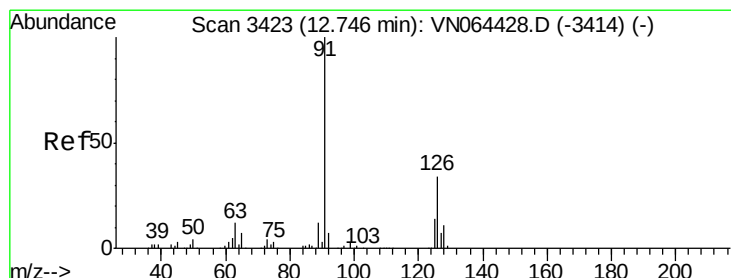
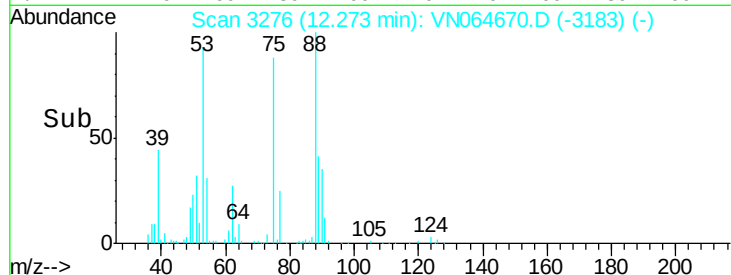
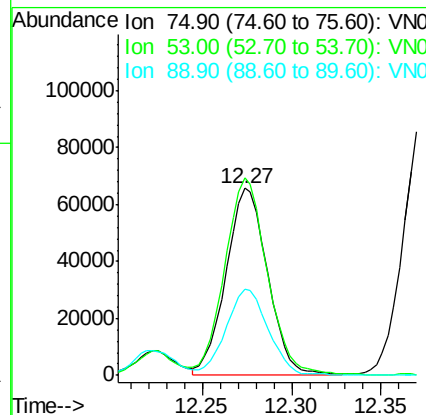
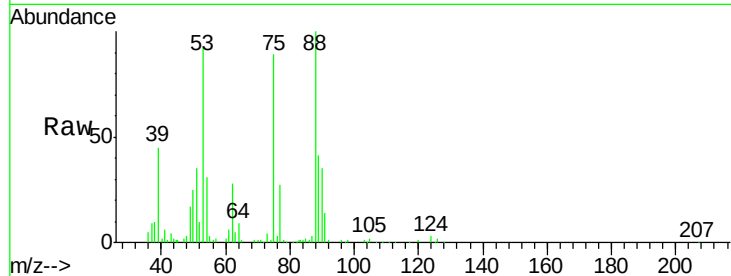
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	106610
Ion Ratio	Lower	Upper	
75	100		
53	106.1	84.0	126.0
89	46.9	36.3	54.5

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#82

4-Chlorotoluene

Concen: 47.947 ug/l

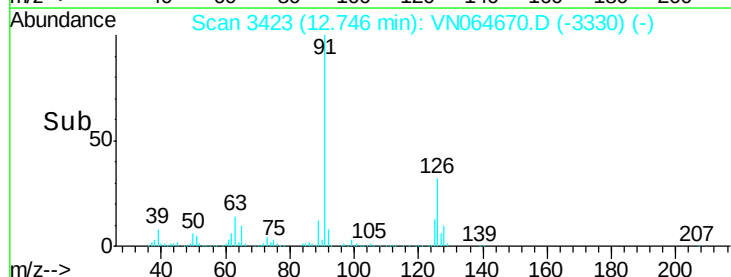
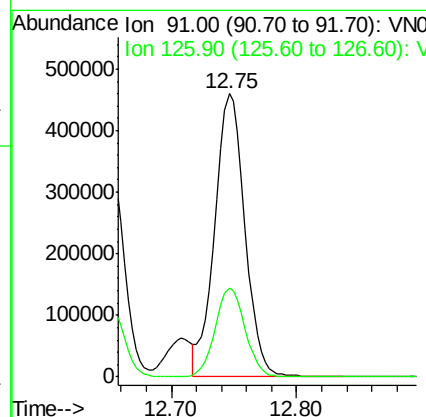
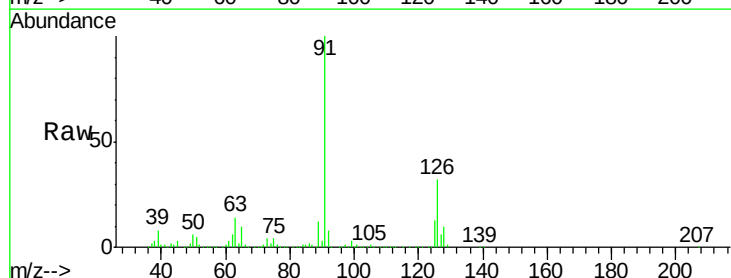
RT: 12.75 min Scan# 3423

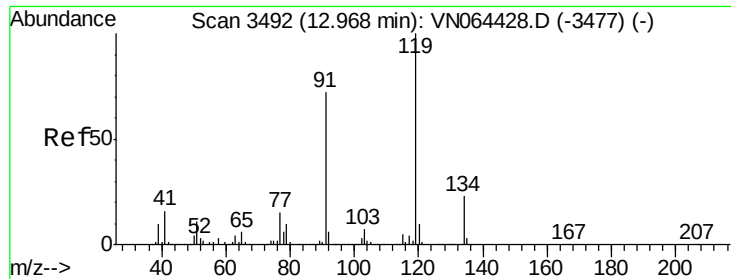
Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	91	Resp:	762096
Ion Ratio	Lower	Upper	
91	100		
126	31.4	15.4	46.2





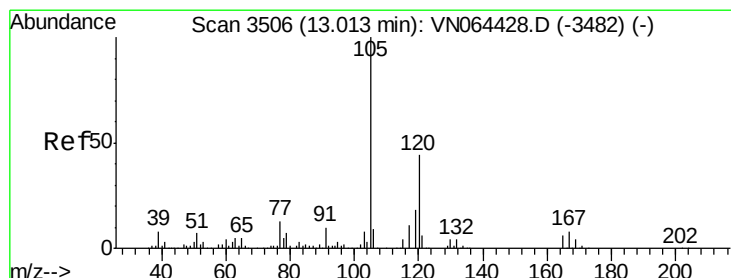
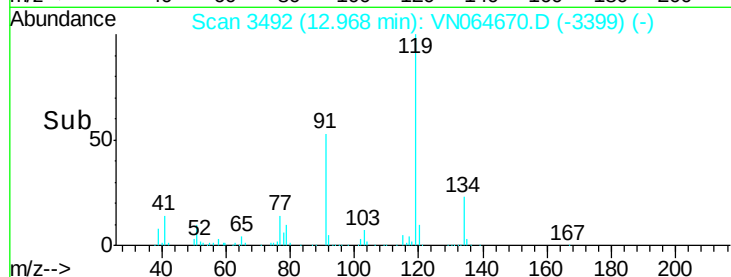
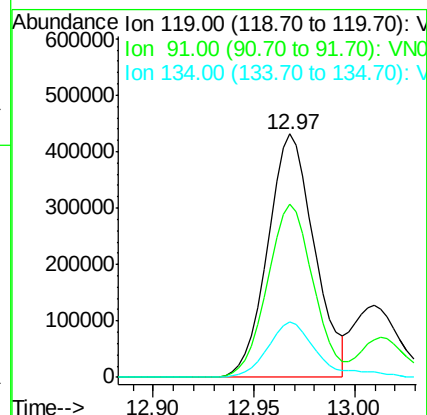
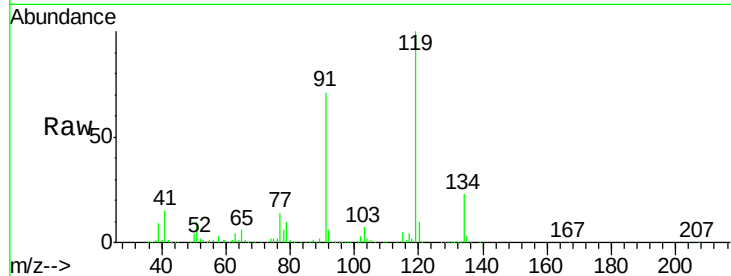
#83
 tert-Butylbenzene
 Concen: 51.203 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	36.1	108.3
134	24.4	11.7	35.1

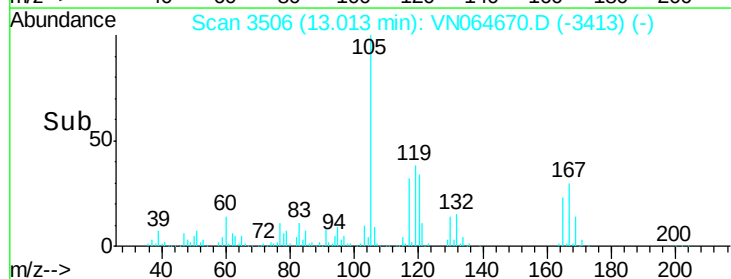
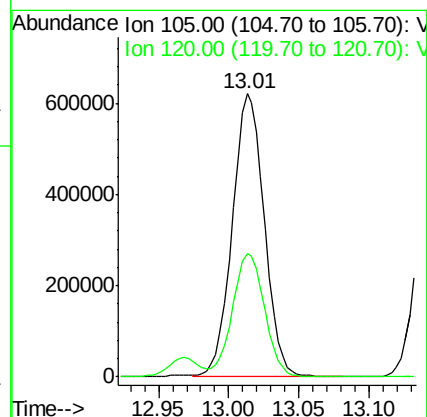
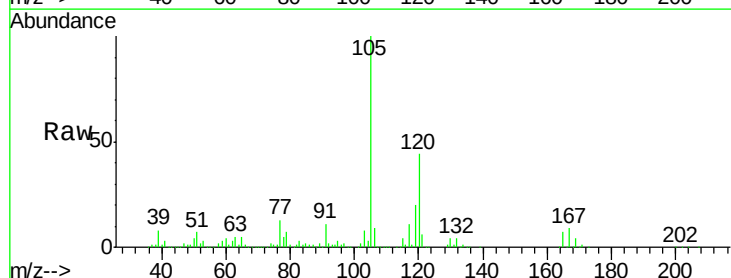
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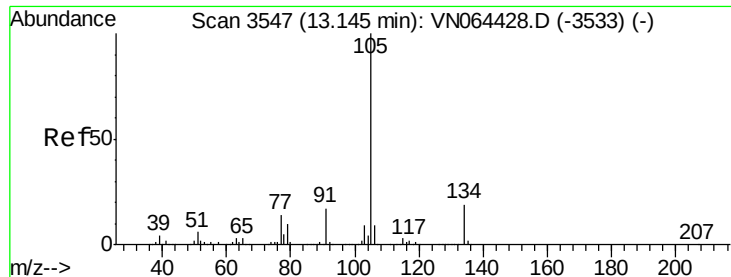
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.157 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.083 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 909188

Ion Ratio Lower Upper

105 100

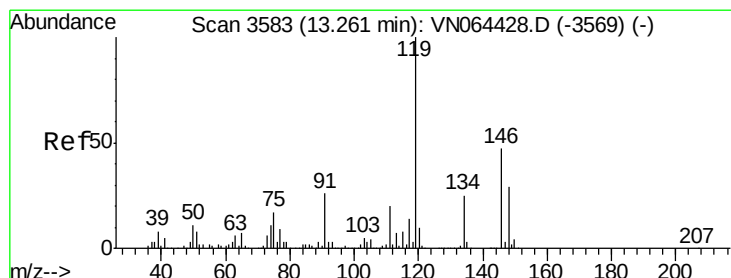
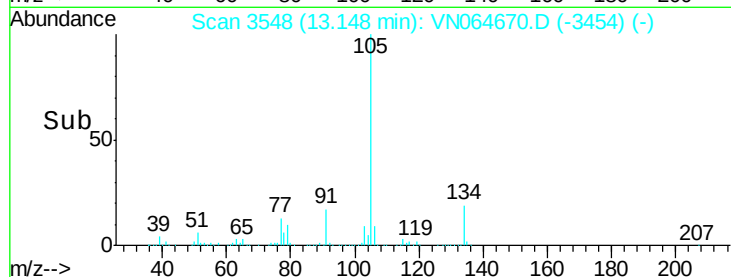
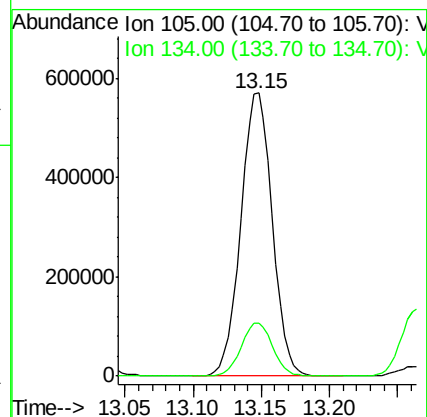
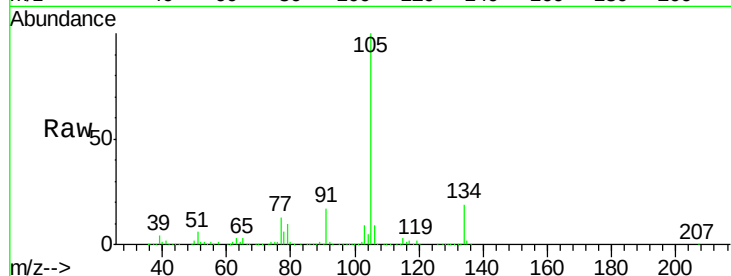
134 19.0 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.914 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

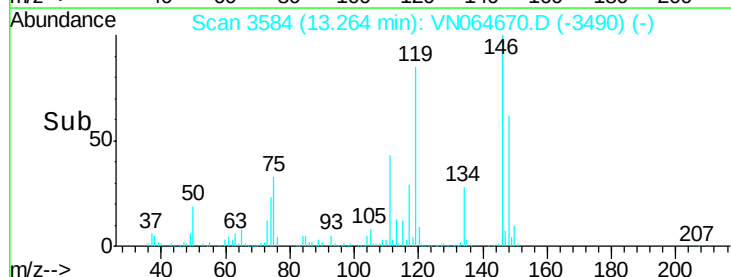
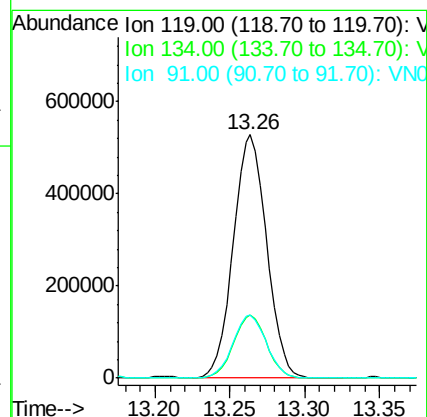
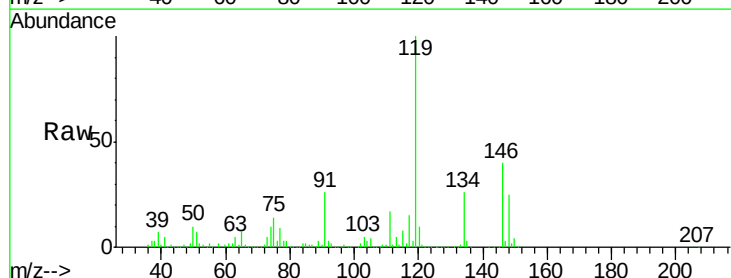
Tgt Ion:119 Resp: 815189

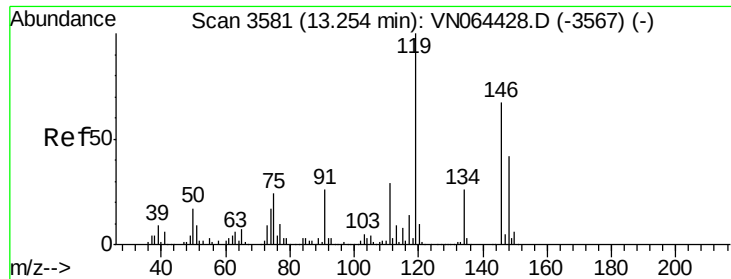
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.6

91 26.0 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 47.899 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064670.D

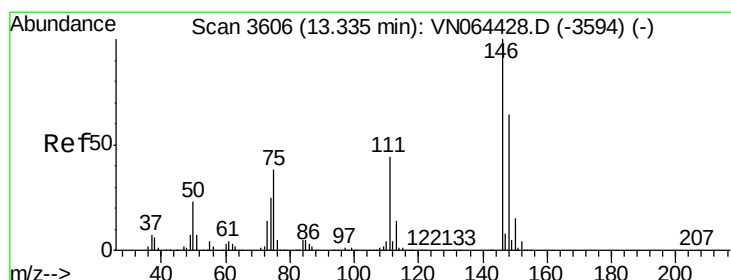
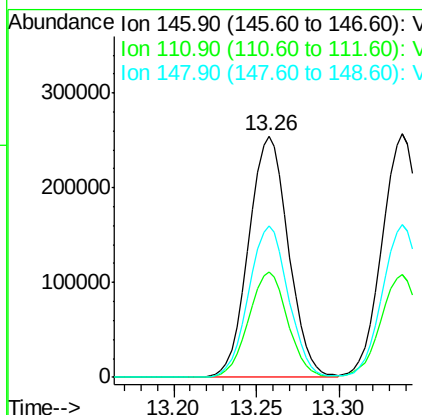
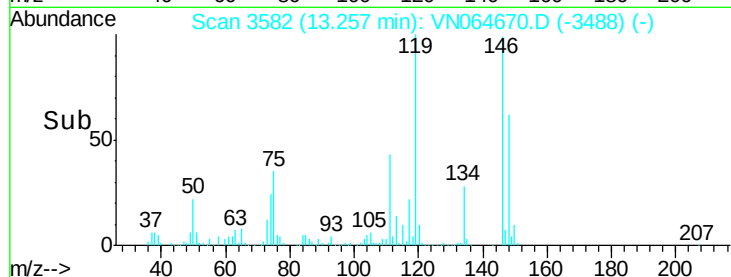
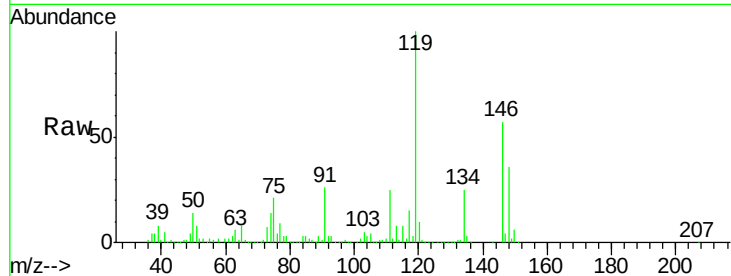
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.1	66.1
148	62.7	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.510 ug/l

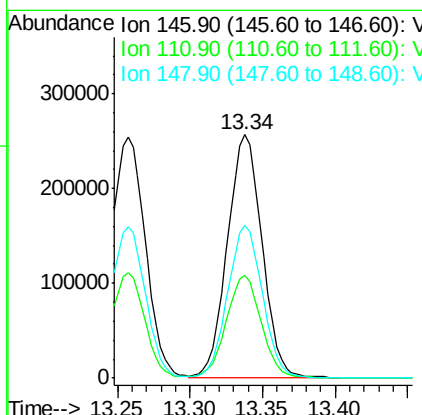
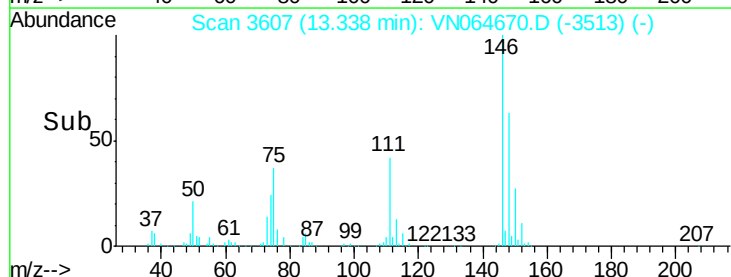
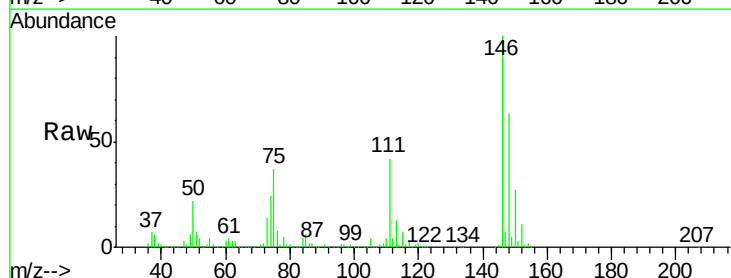
RT: 13.34 min Scan# 3607

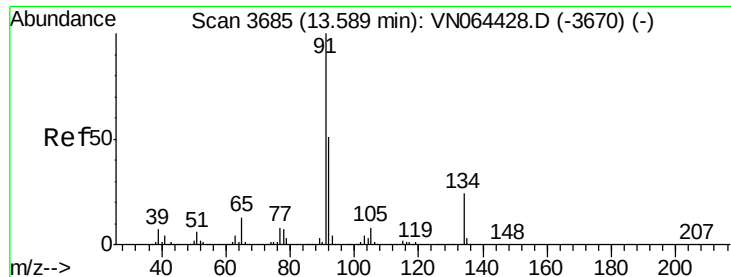
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.0	32.4	97.2





#89

n-Butylbenzene

Concen: 53.296 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Instrument :

MSVOA_N

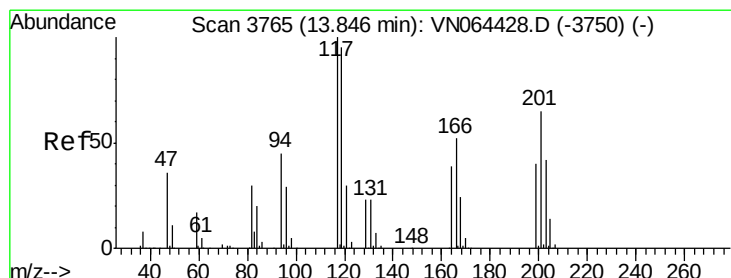
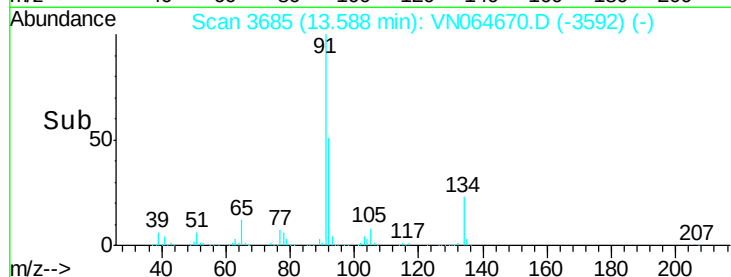
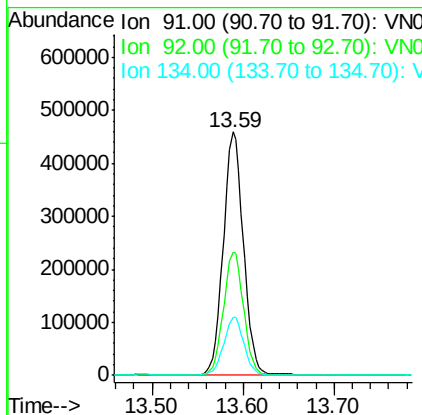
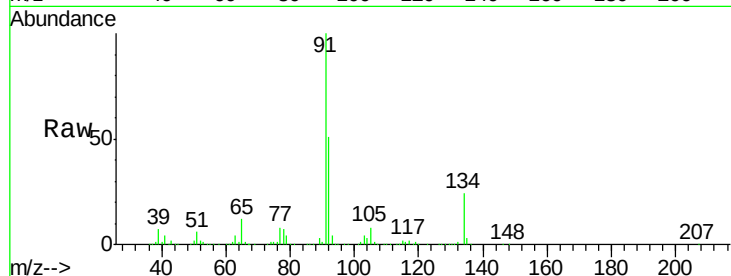
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	705954
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.3	75.9
134	23.9	11.8	35.4

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#90

Hexachloroethane

Concen: 54.017 ug/l

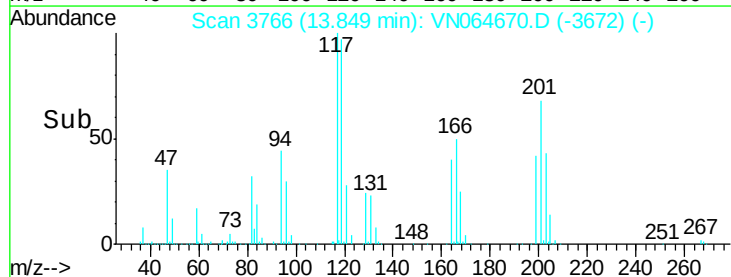
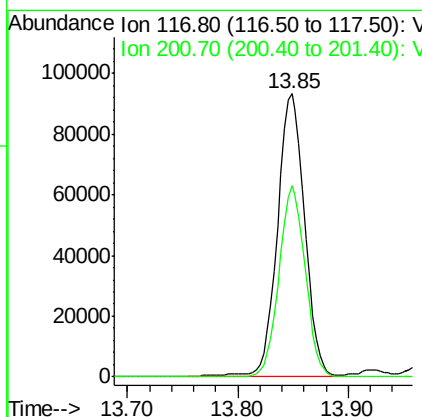
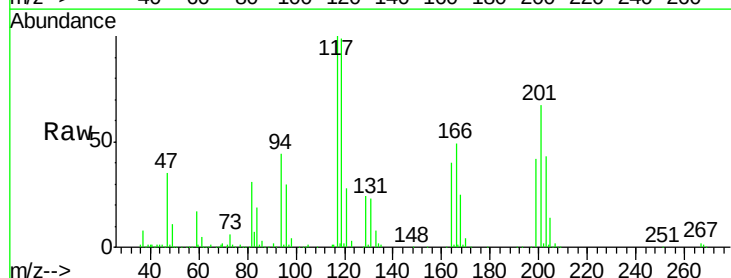
RT: 13.85 min Scan# 3766

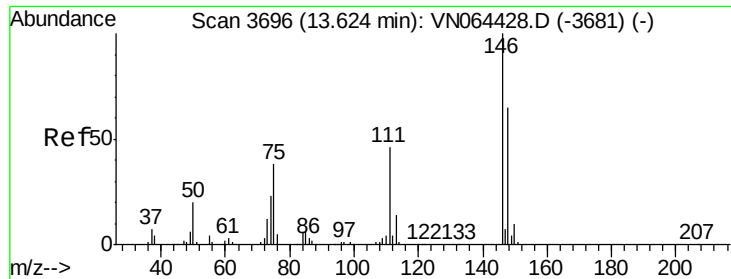
Delta R.T. 0.00 min

Lab File: VN064670.D

Acq: 16 Nov 2020 19:13

Tgt Ion:	117	Resp:	160533
Ion	Ratio	Lower	Upper
117	100		
201	64.3	32.5	97.5





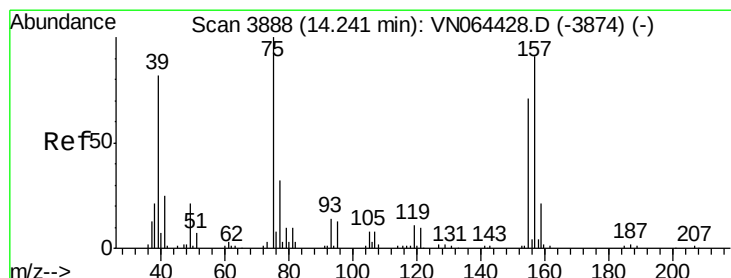
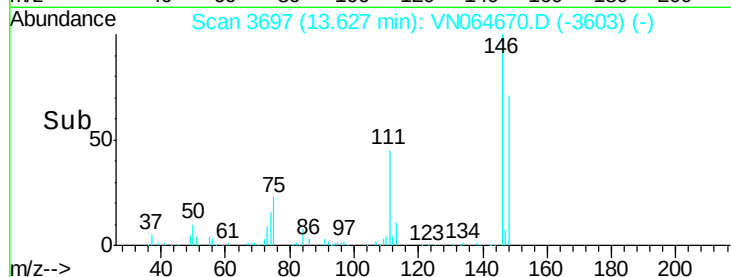
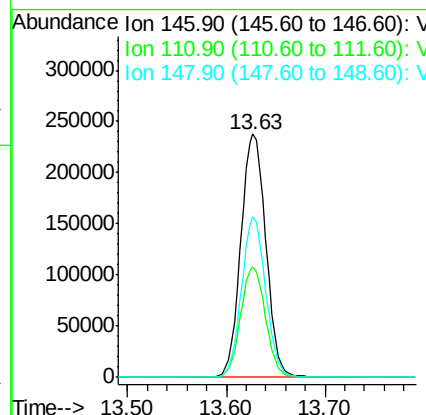
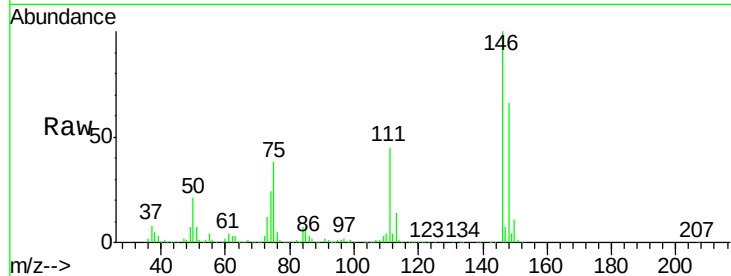
#91
 1,2-Dichlorobenzene
 Concen: 49.095 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.9	68.7
148	63.8	32.0	96.2

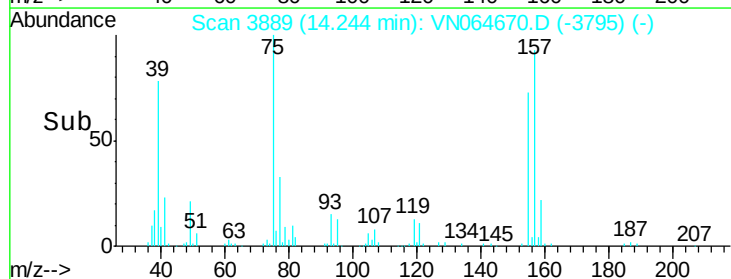
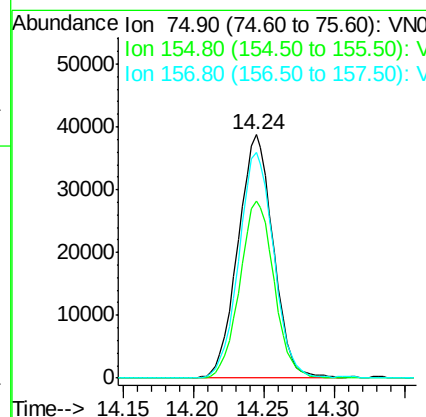
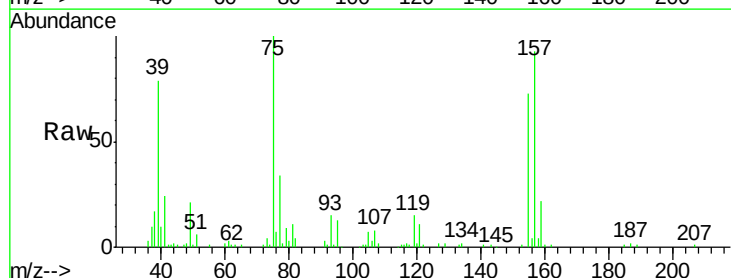
Manual Integrations
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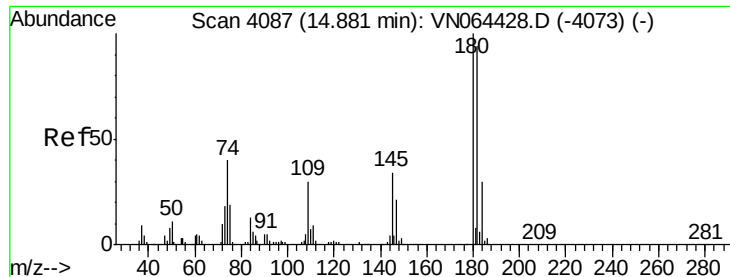
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.914 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	34.6	103.9
157	91.5	43.0	128.8





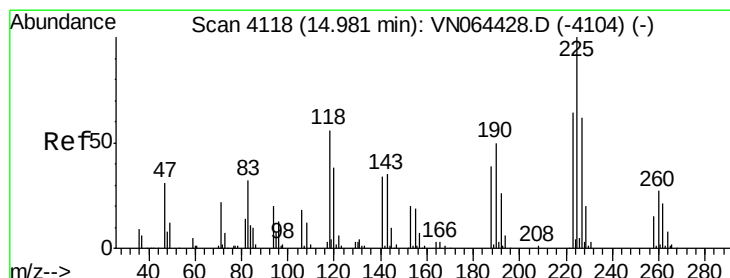
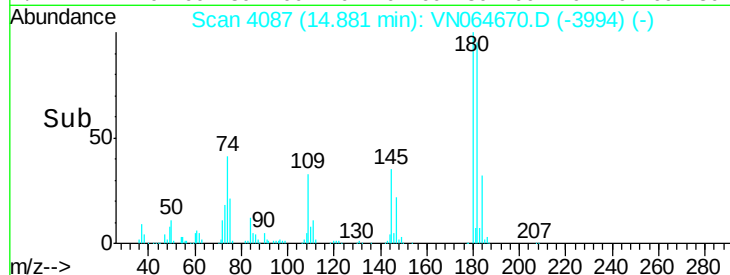
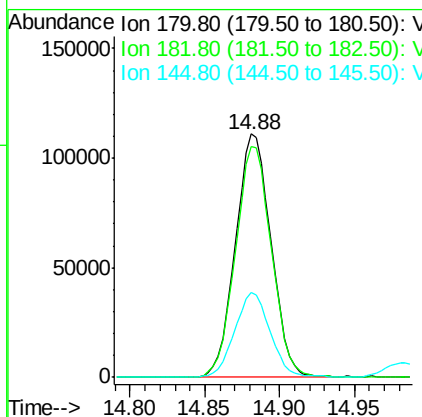
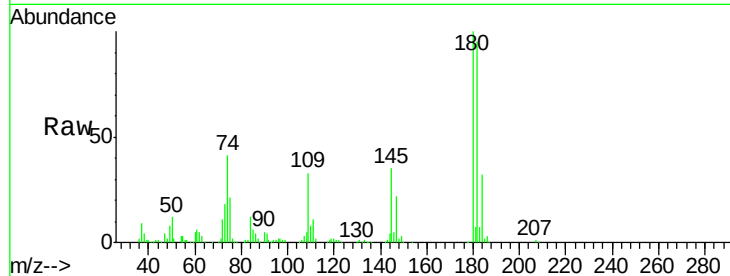
#93
 1,2,4-Trichlorobenzene
 Concen: 43.767 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	183978		
182	96.0	47.3	142.0	
145	34.9	16.7	50.1	

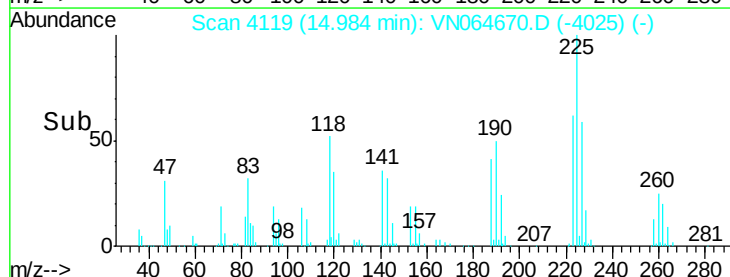
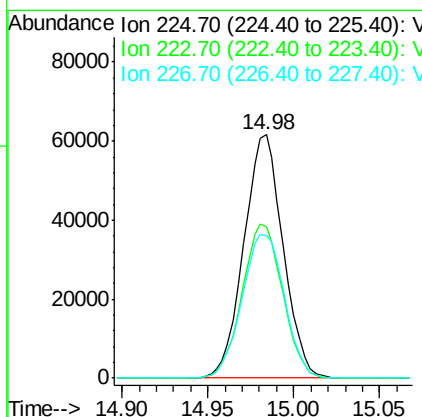
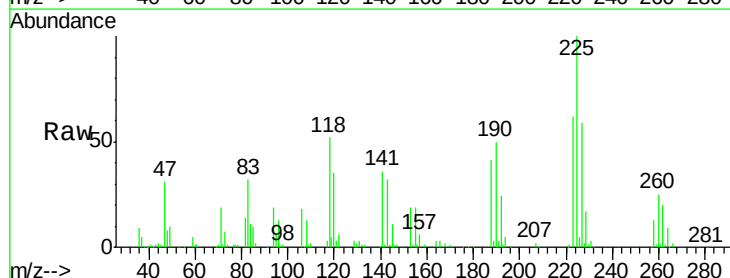
Manual Integrations
 APPROVED

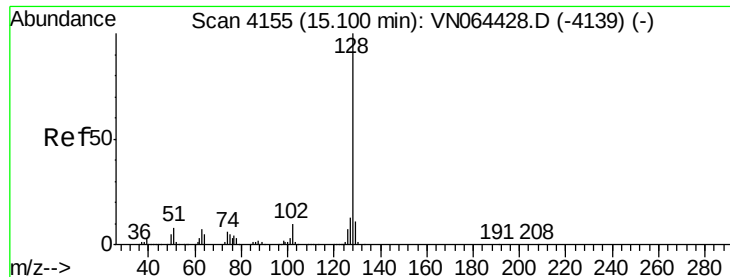
MMDadoda
 11/17/2020 7:02:28 PM



#94
 Hexachlorobutadiene
 Concen: 56.026 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064670.D
 Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97198		
223	65.3	31.8	95.4	
227	63.9	31.8	95.4	





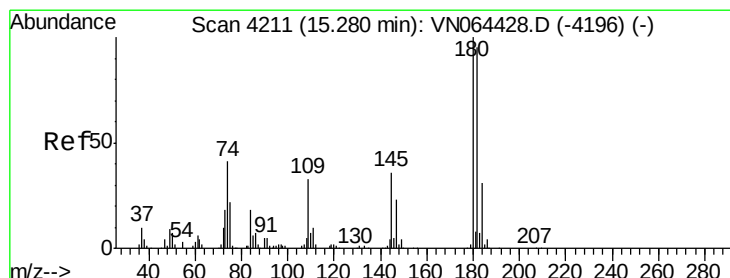
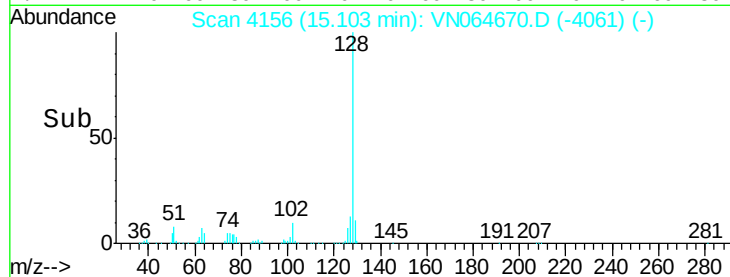
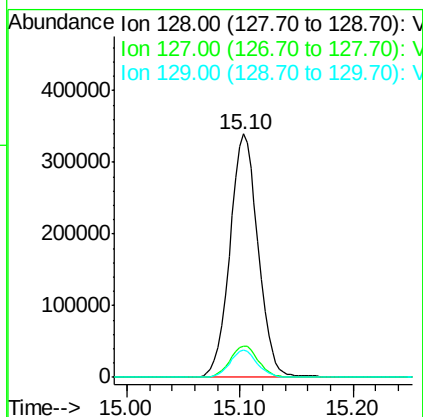
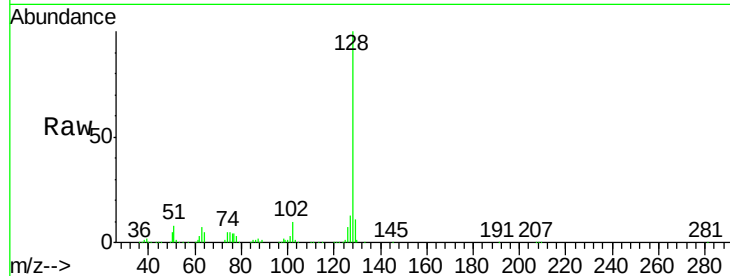
#95
Naphthalene
Concen: 41.284 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/17/2020 7:02:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.577 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064670.D
Acq: 16 Nov 2020 19:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	36.1	18.3	54.8

