

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064276.D
 Acq On : 23 Oct 2020 1:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:36:44 PM

Quant Time: Oct 23 03:49:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	446820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	199197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	207532	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.55	113	143864	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	10.06	98	526368	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.38	95	215659	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	165777	50.748	ug/l	99
3) Chloromethane	2.04	50	160686	52.006	ug/l	96
4) Vinyl Chloride	2.16	62	165701	54.093	ug/l	93
5) Bromomethane	2.53	94	99527	49.846	ug/l	97
6) Chloroethane	2.67	64	95320	51.116	ug/l	99
7) Trichlorofluoromethane	2.98	101	276072	54.803	ug/l	100
8) Diethyl Ether	3.37	74	85556	51.343	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131110	50.331	ug/l	99
10) Methyl Iodide	3.91	142	187560	50.633	ug/l	98
11) Tert butyl alcohol	4.73	59	132038	248.455	ug/l #	89
12) 1,1-Dichloroethene	3.70	96	128295	51.205	ug/l	97
13) Acrolein	3.57	56	113501	340.232	ug/l	99
14) Allyl chloride	4.27	41	257638	51.377	ug/l	99
15) Acrylonitrile	4.93	53	296778	270.065	ug/l	100
16) Acetone	3.77	43	307518	270.717	ug/l	100
17) Carbon Disulfide	4.01	76	362865	50.772	ug/l	98
18) Methyl Acetate	4.28	43	160246	55.360	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	453531	52.652	ug/l	97
20) Methylene Chloride	4.51	84	153044	50.526	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	144008	52.123	ug/l	97
22) Diisopropyl ether	5.90	45	477701	51.244	ug/l	97
23) Vinyl Acetate	5.84	43	2213870	266.300	ug/l	100
24) 1,1-Dichloroethane	5.80	63	289563	53.619	ug/l	99
25) 2-Butanone	6.78	43	481464	266.777	ug/l	99
26) 2,2-Dichloropropane	6.78	77	231695	43.096	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	172393	53.580	ug/l	93
28) Bromochloromethane	7.15	49	133015	51.848	ug/l	99
29) Tetrahydrofuran	7.16	42	293690	272.049	ug/l	99
30) Chloroform	7.33	83	303304	52.653	ug/l	100
31) Cyclohexane	7.61	56	216021	45.900	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	291828	54.079	ug/l	100
36) 1,1-Dichloropropene	7.75	75	228131	51.213	ug/l	98
37) Ethyl Acetate	6.88	43	210562	52.062	ug/l	99
38) Carbon Tetrachloride	7.73	117	261299	51.556	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	198601	49.031	ug/l	97
40) Benzene	8.00	78	627348	51.018	ug/l	100
41) Methacrylonitrile	7.13	41	109063	51.407	ug/l	91
42) 1,2-Dichloroethane	8.08	62	265416	50.386	ug/l	100
43) Isopropyl Acetate	8.13	43	381174	50.570	ug/l #	90
44) Trichloroethene	8.80	130	172031	51.340	ug/l	98
45) 1,2-Dichloropropane	9.08	63	165004	50.265	ug/l	98
46) Dibromomethane	9.17	93	114813	52.087	ug/l	96
47) Bromodichloromethane	9.37	83	251016	51.545	ug/l	98
48) Methyl methacrylate	9.16	41	194941	49.509	ug/l	99
49) 1,4-Dioxane	9.17	88	42930	931.836	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1074242	266.664	ug/l	100
52) Toluene	10.12	92	394097	50.088	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	272091	50.296	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	280316	49.213	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	156148	52.547	ug/l	98
56) Ethyl methacrylate	10.40	69	242056	52.680	ug/l	99
57) 1,3-Dichloropropane	10.68	76	273224	52.933	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	598470	252.941	ug/l	99
59) 2-Hexanone	10.72	43	774930	263.402	ug/l	100
60) Dibromochloromethane	10.87	129	190773	49.591	ug/l	100
61) 1,2-Dibromoethane	10.98	107	165518	52.784	ug/l	99
64) Tetrachloroethene	10.60	164	168628	50.839	ug/l	99
65) Chlorobenzene	11.41	112	426614	50.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	171674	50.713	ug/l	98
67) Ethyl Benzene	11.48	91	797392	50.877	ug/l	99
68) m/p-Xylenes	11.59	106	595047	102.472	ug/l	97
69) o-Xylene	11.92	106	286576	51.027	ug/l	98
70) Styrene	11.94	104	478257	50.804	ug/l	98
71) Bromoform	12.10	173	136260	52.106	ug/l #	96
73) Isopropylbenzene	12.22	105	760158	50.034	ug/l	99
74) N-amyl acetate	12.04	43	336645	51.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	204918	50.827	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	216644m	51.589	ug/l	
77) Bromobenzene	12.50	156	185832	51.812	ug/l	99
78) n-propylbenzene	12.56	91	864908	50.492	ug/l	100
79) 2-Chlorotoluene	12.65	91	533920	50.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	642457	50.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	77884	46.825	ug/l	95
82) 4-Chlorotoluene	12.75	91	564934	51.475	ug/l	100
83) tert-Butylbenzene	12.97	119	523978	49.758	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	643723	50.355	ug/l	98
85) sec-Butylbenzene	13.14	105	674811	50.830	ug/l	99
86) p-Isopropyltoluene	13.26	119	619971	51.283	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	324843	50.901	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	327539	50.143	ug/l	100
89) n-Butylbenzene	13.59	91	533285	49.210	ug/l	99
90) Hexachloroethane	13.85	117	104388	47.678	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	321341	51.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52439	52.136	ug/l	96

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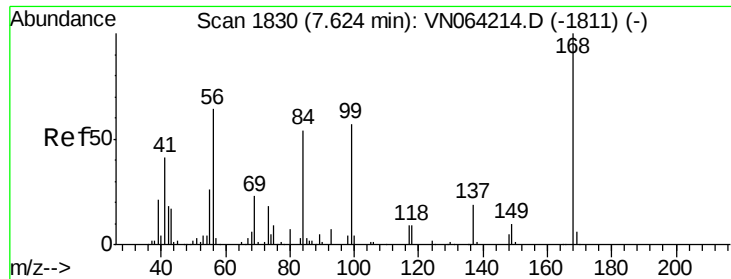
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	177493	50.546	ug/l	100
94) Hexachlorobutadiene	14.98	225	88502	46.729	ug/l	98
95) Naphthalene	15.10	128	531351	50.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	169503	48.737	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 267332

Ion Ratio Lower Upper

168 100

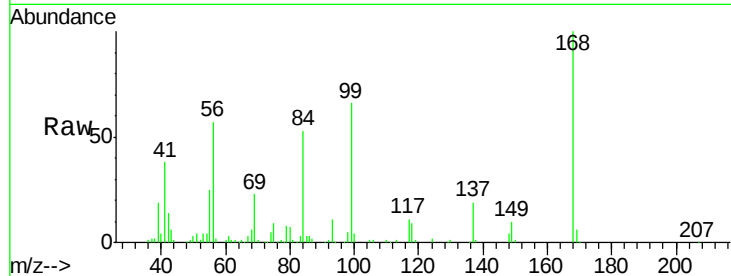
99 65.6 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

60000

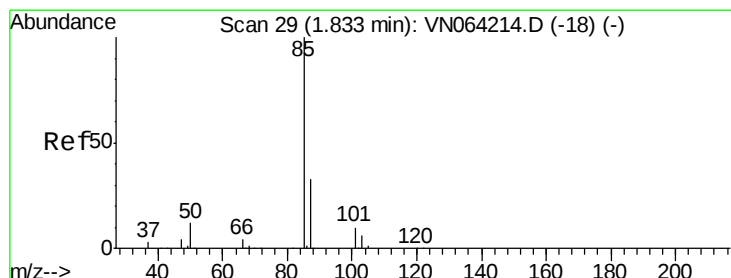
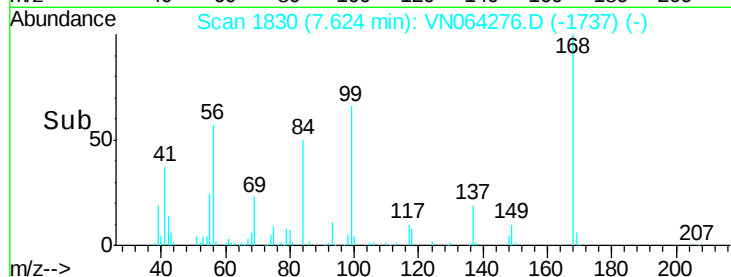
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.748 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064276.D

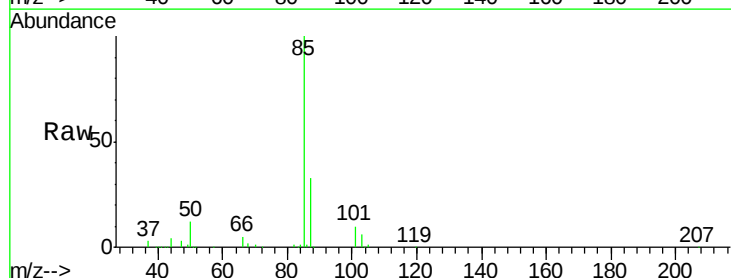
Acq: 23 Oct 2020 1:35

Tgt Ion: 85 Resp: 165777

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

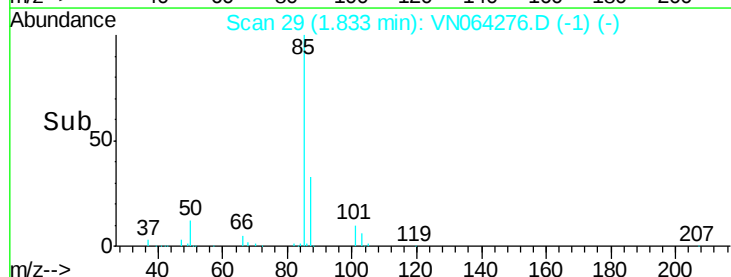
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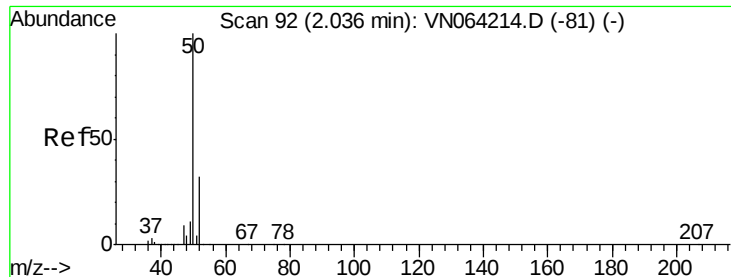
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 52.006 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160686

Ion Ratio Lower Upper

50 100

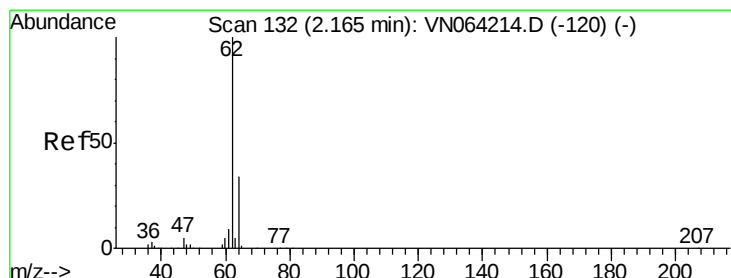
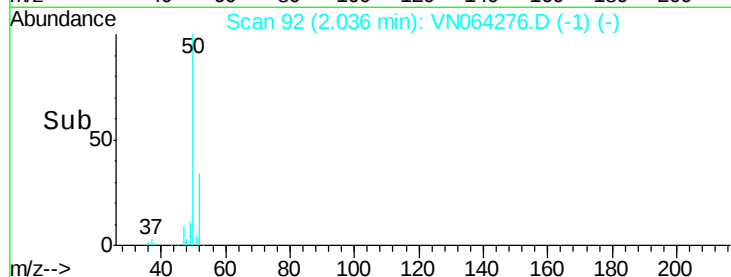
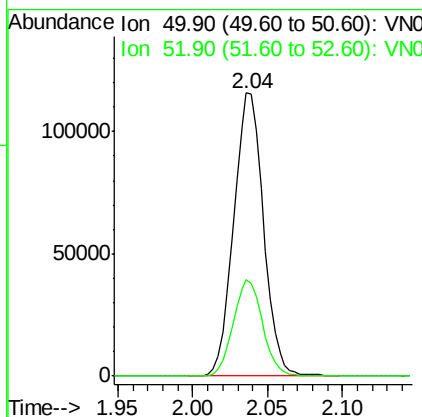
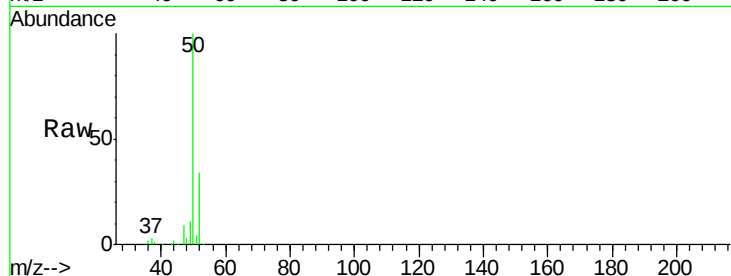
52 34.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.093 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064276.D

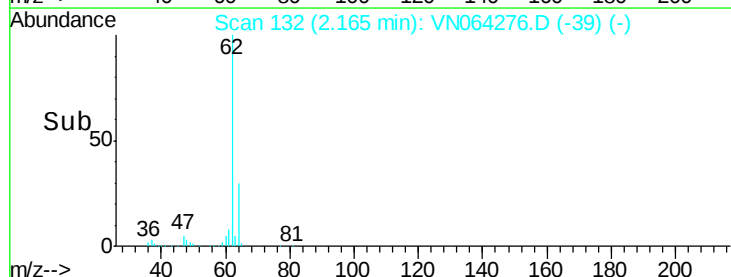
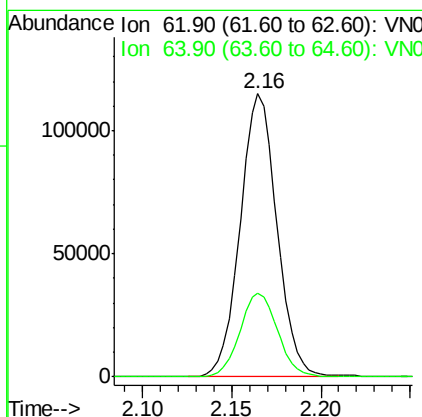
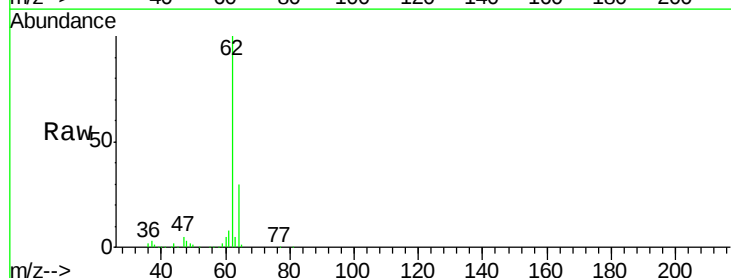
Acq: 23 Oct 2020 1:35

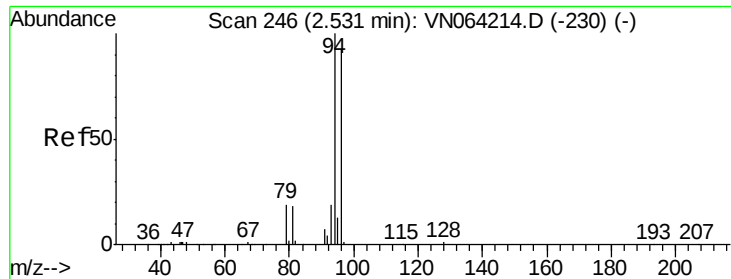
Tgt Ion: 62 Resp: 165701

Ion Ratio Lower Upper

62 100

64 29.6 26.8 40.2





#5

Bromomethane

Concen: 49.846 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

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Tot Ion: 94 Resp: 99527

Ion Ratio Lower Upper

94 100

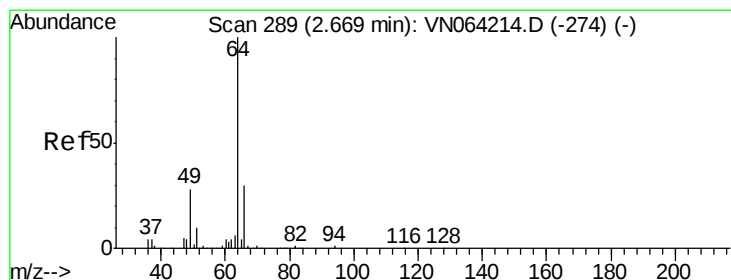
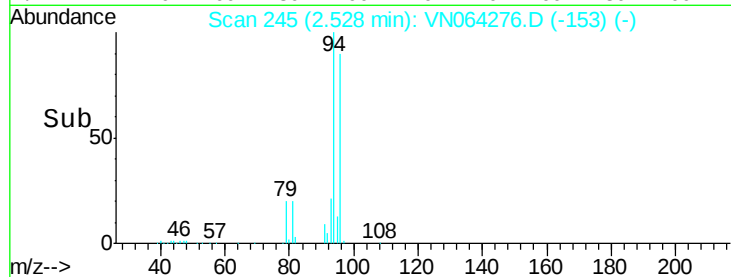
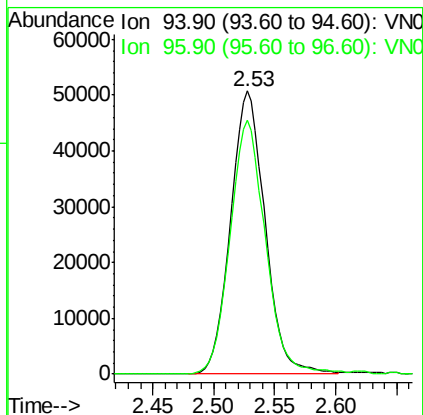
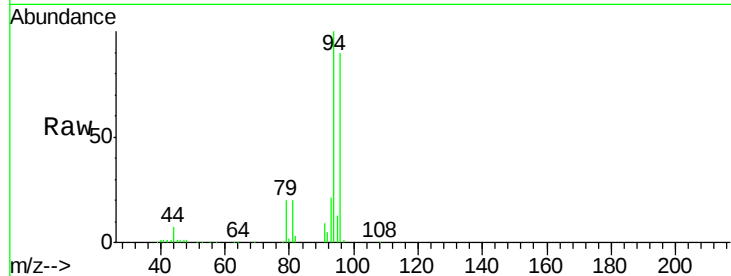
96 89.7 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 51.116 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064276.D

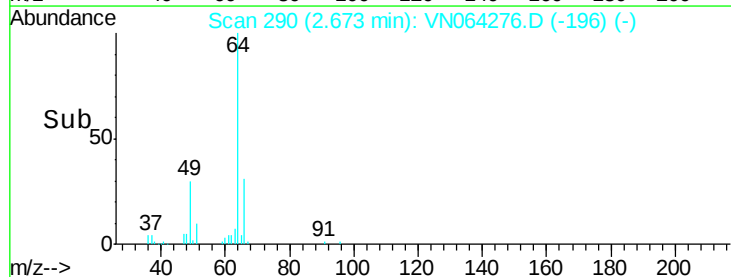
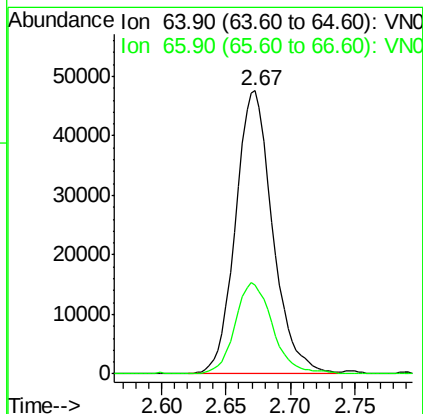
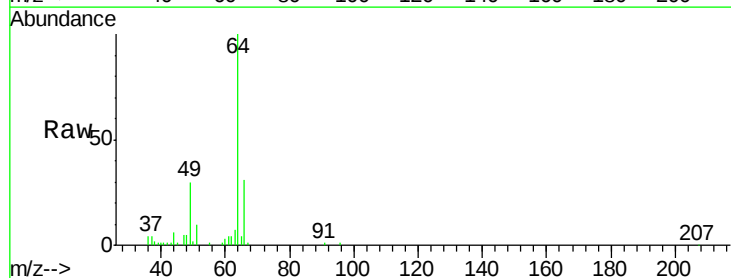
Acq: 23 Oct 2020 1:35

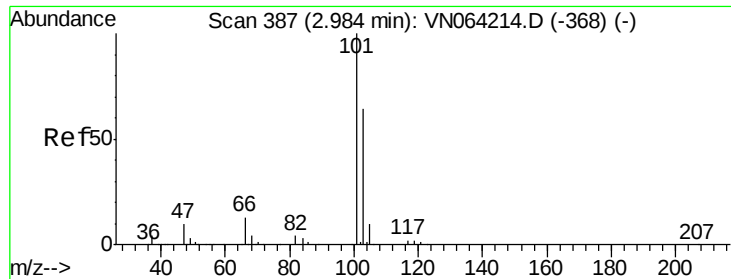
Tgt Ion: 64 Resp: 95320

Ion Ratio Lower Upper

64 100

66 31.3 24.5 36.7





#7

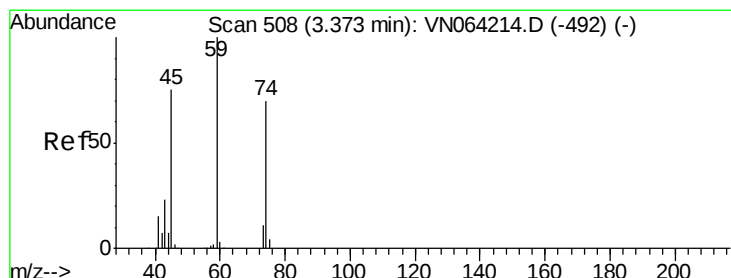
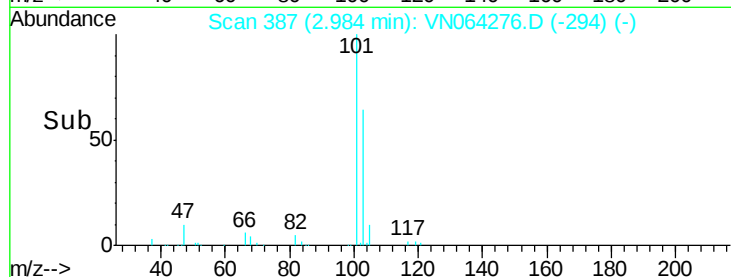
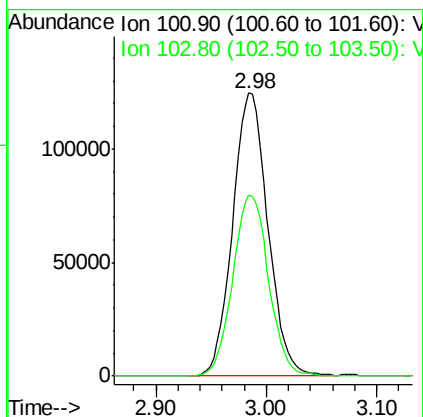
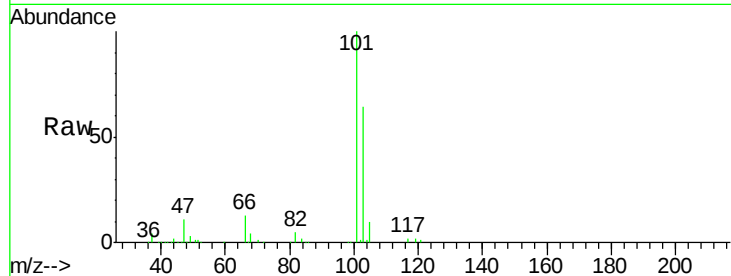
Trichlorofluoromethane
 Concen: 54.803 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.0	76.6

Manual Integrations
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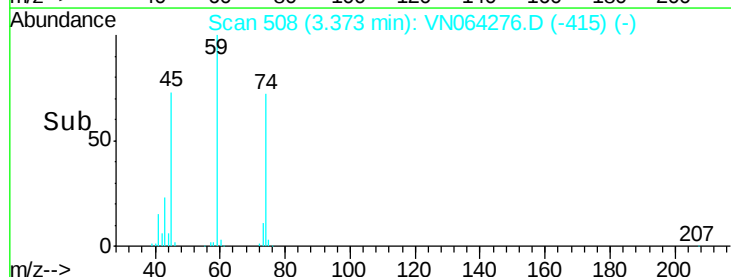
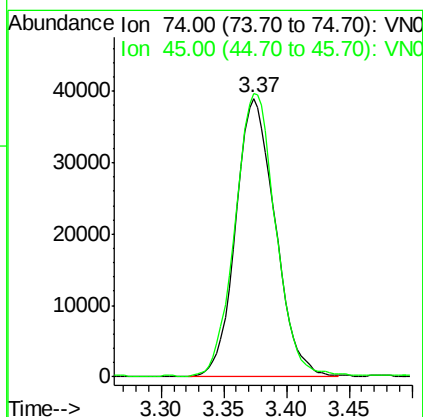
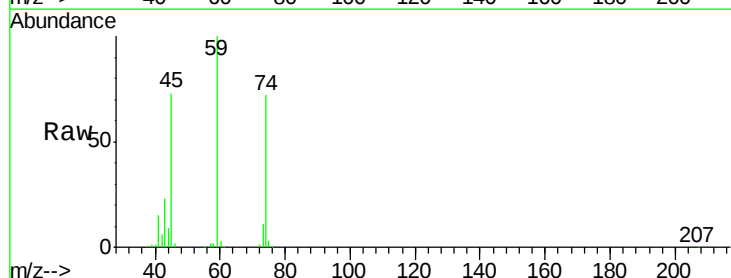
MMDadoda
 10/23/2020 3:36:44 PM

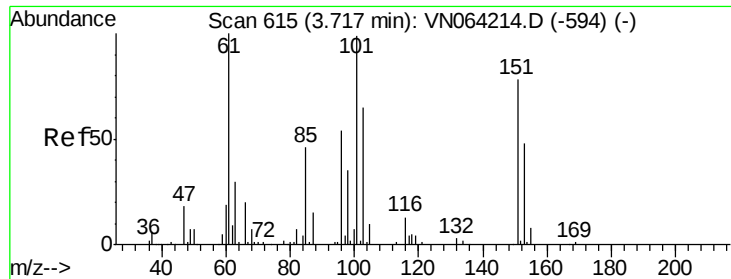


#8

Diethyl Ether
 Concen: 51.343 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.331 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

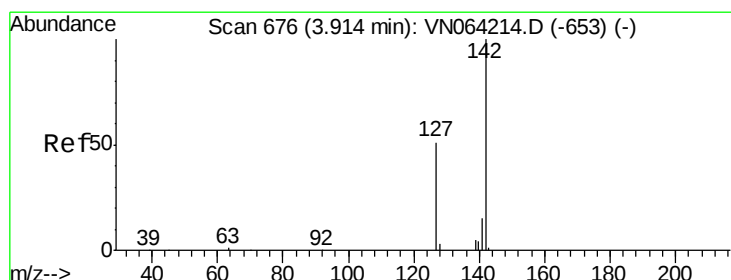
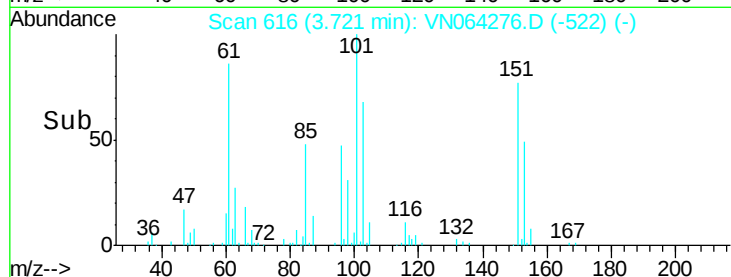
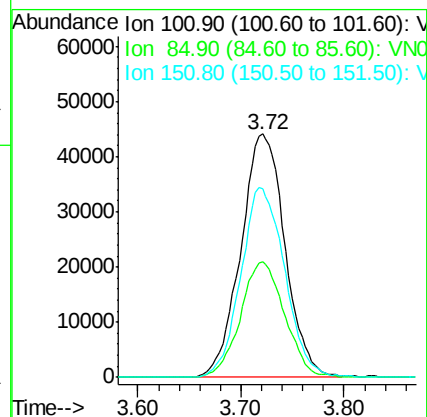
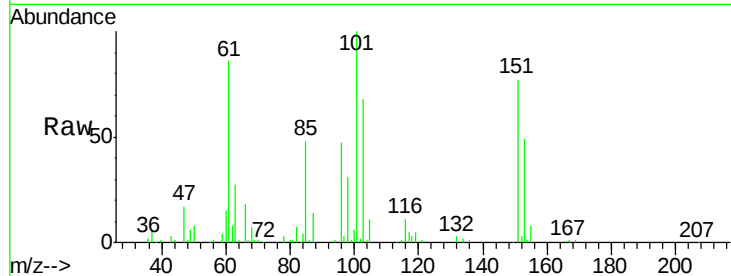
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131110
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.8	56.8
151	77.6	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.633 ug/l

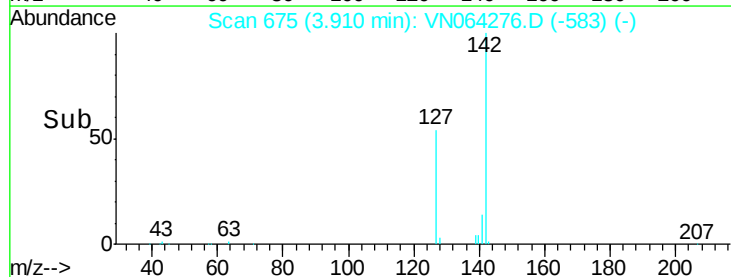
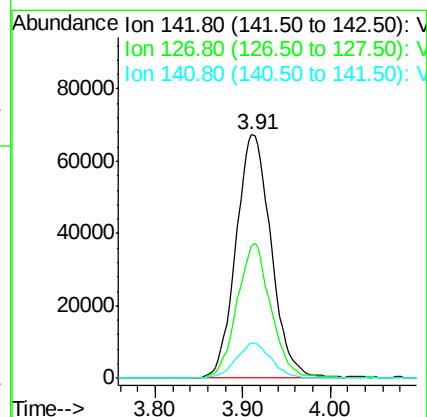
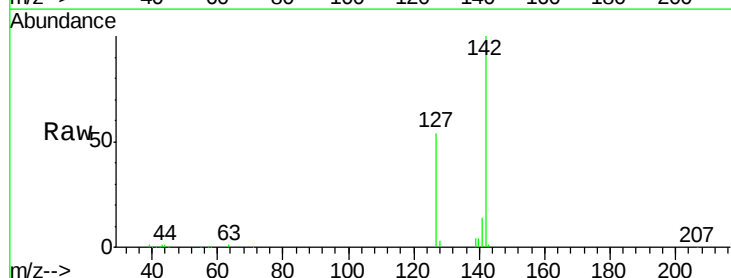
RT: 3.91 min Scan# 675

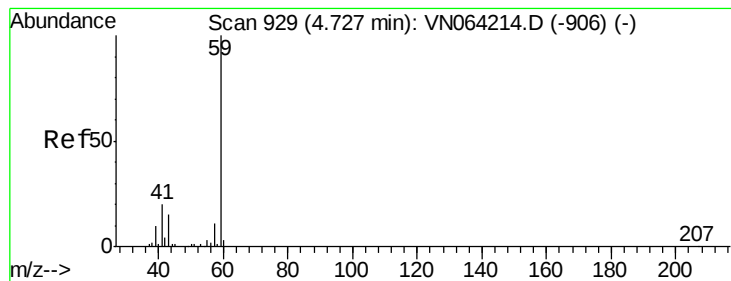
Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion:	142	Resp:	187560
Ion Ratio	Lower	Upper	
142	100		
127	53.3	41.0	61.6
141	14.5	11.3	16.9





#11

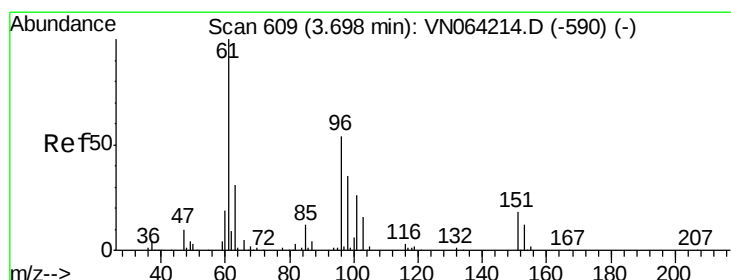
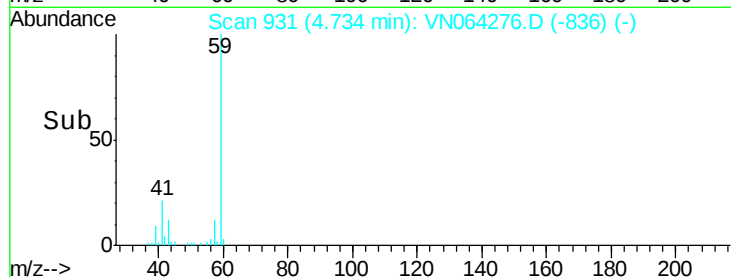
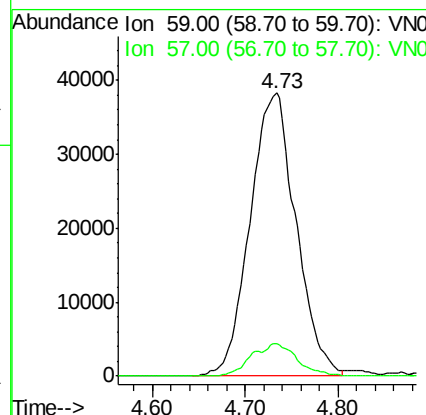
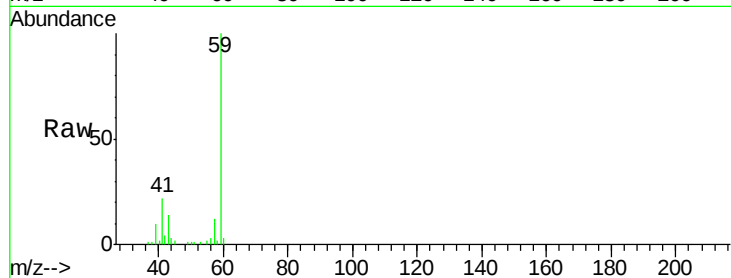
Tert butyl alcohol
Concen: 248.455 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	132038		
57	7.4	9.2	13.8#	

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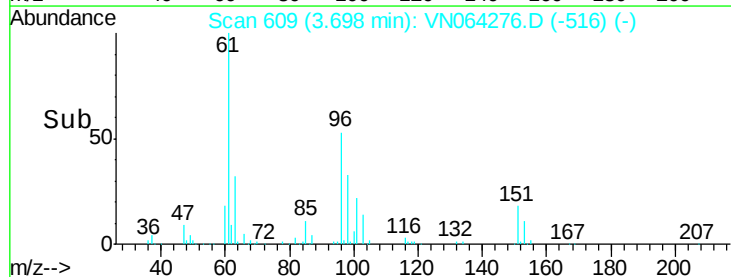
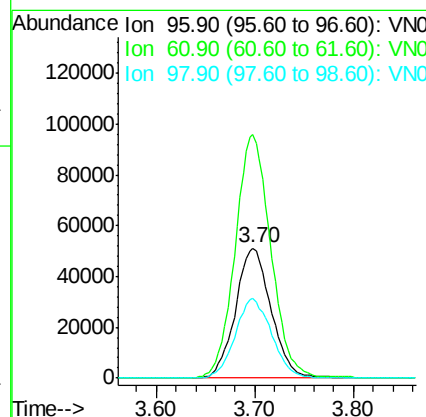
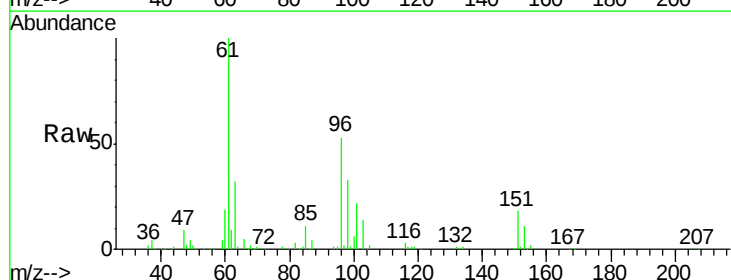
MMDadoda
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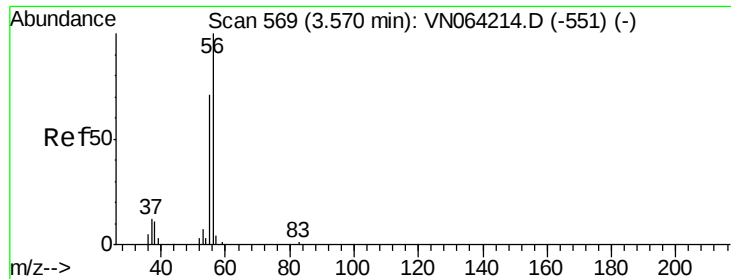


#12

1,1-Dichloroethene
Concen: 51.205 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128295		
61	187.1	147.0	220.4	
98	61.8	51.7	77.5	





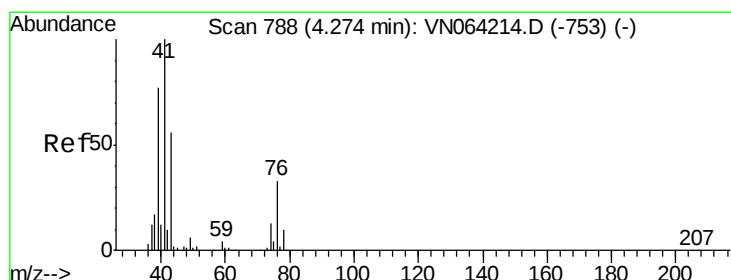
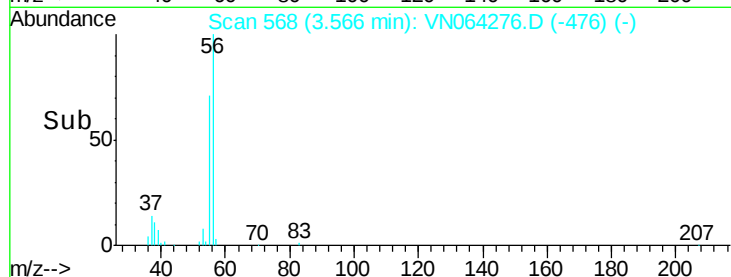
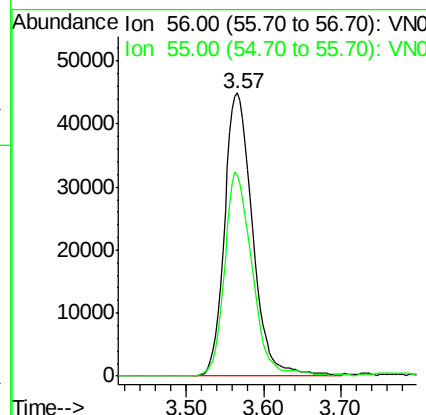
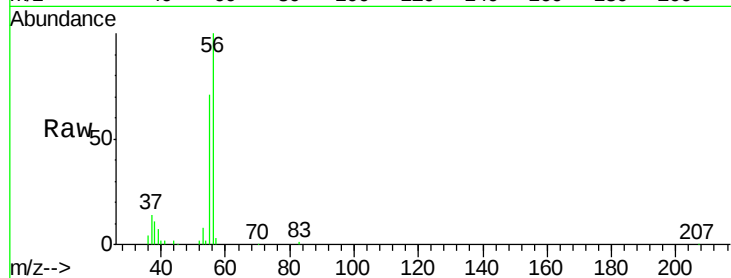
#13
Acrolein
Concen: 340.232 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.4	56.1	84.1	

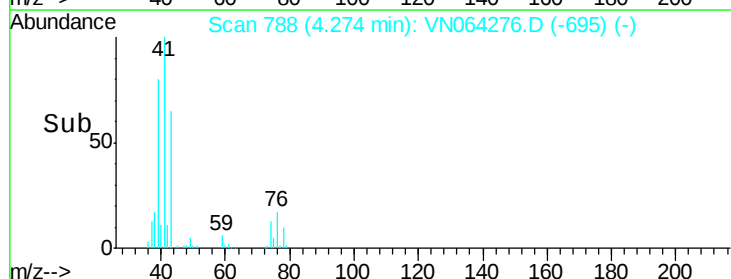
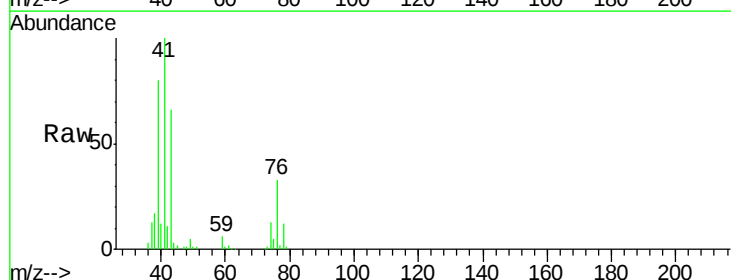
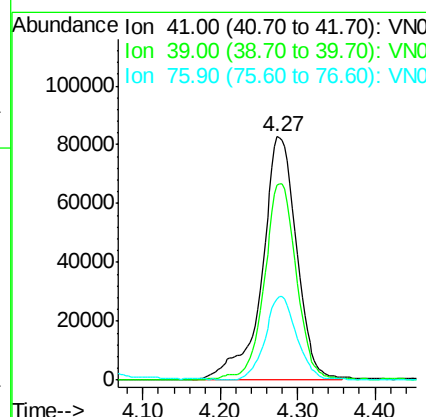
Manual Integrations
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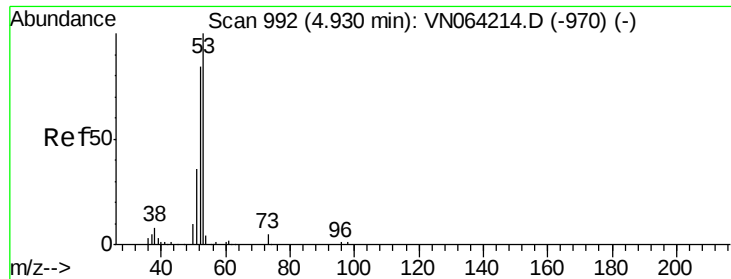
MMDadoda
10/23/2020 3:36:44 PM



#14
Allyl chloride
Concen: 51.377 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	74.7	58.6	88.0	
76	31.1	24.5	36.7	





#15

Acrylonitrile

Concen: 270.065 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

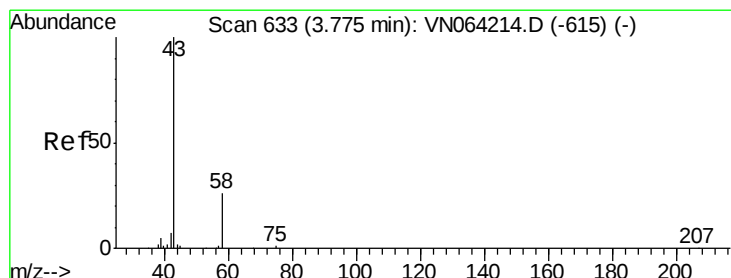
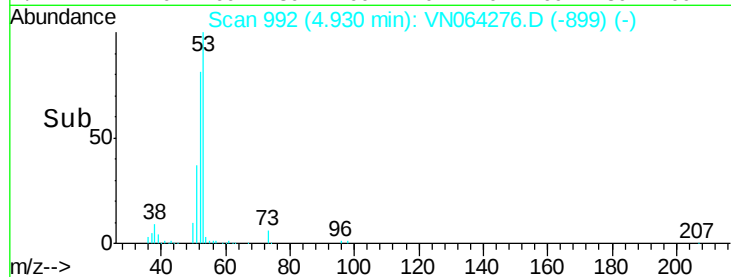
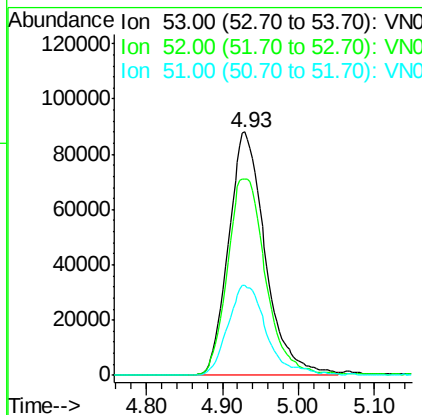
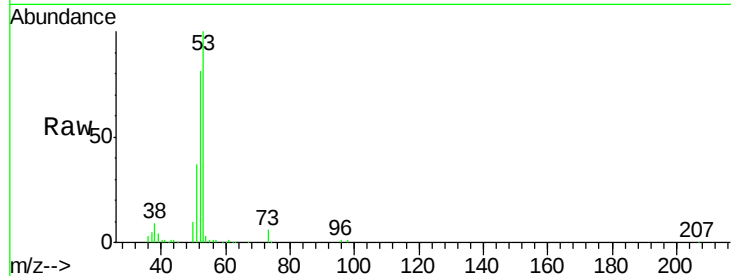
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	296778
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.8	100.2
51	38.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 270.717 ug/l

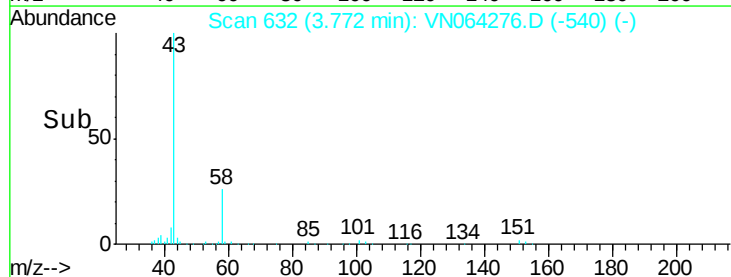
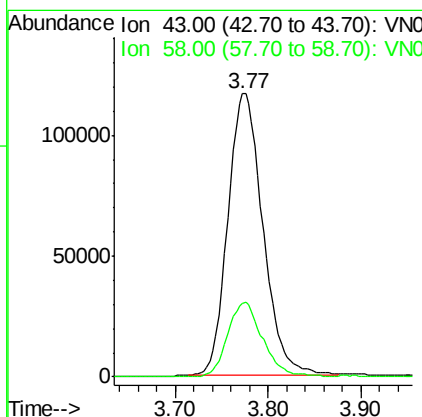
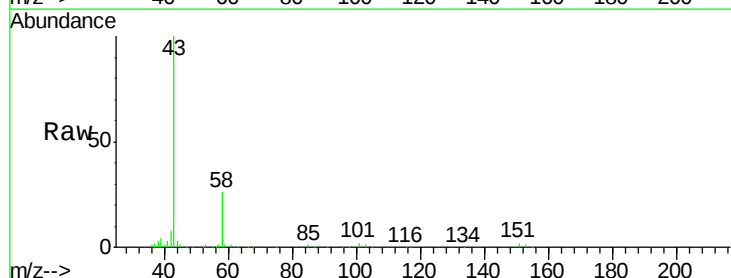
RT: 3.77 min Scan# 632

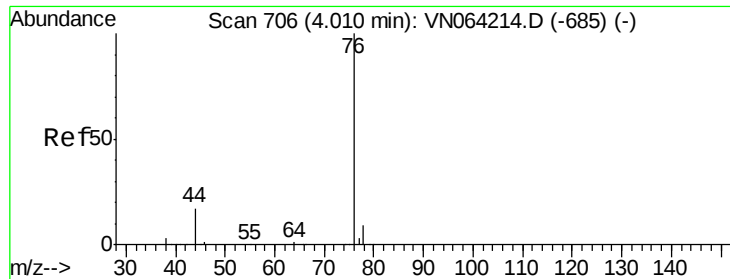
Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion:	43	Resp:	307518
Ion Ratio		Lower	Upper
43	100		
58	26.0	21.0	31.4





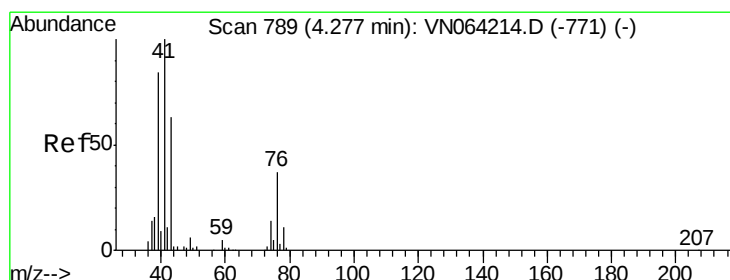
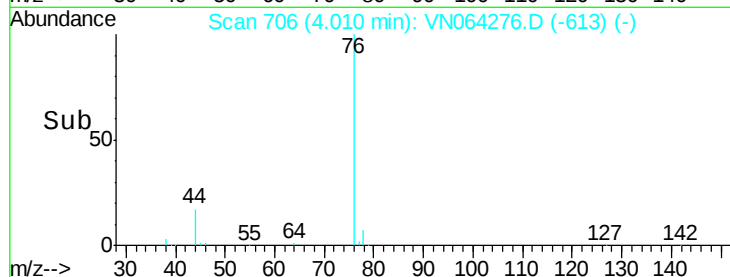
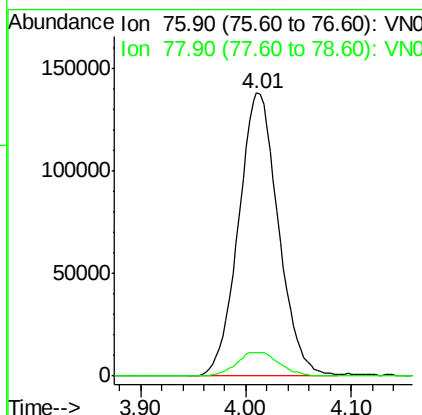
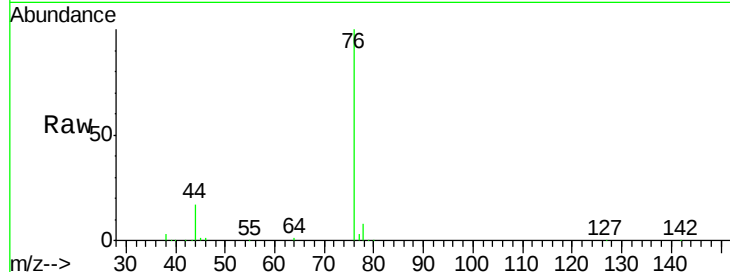
#17
Carbon Disulfide
Concen: 50.772 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.1	10.7

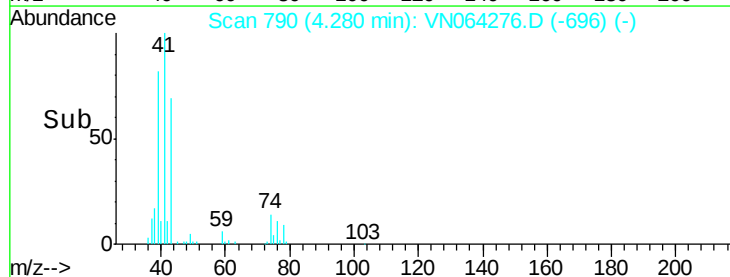
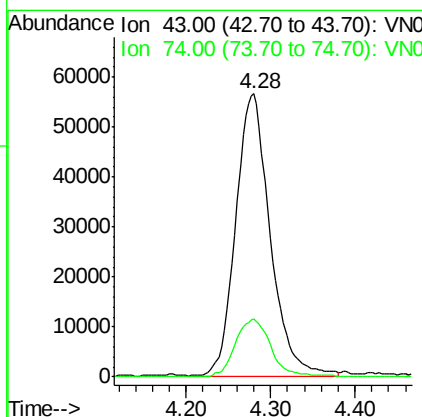
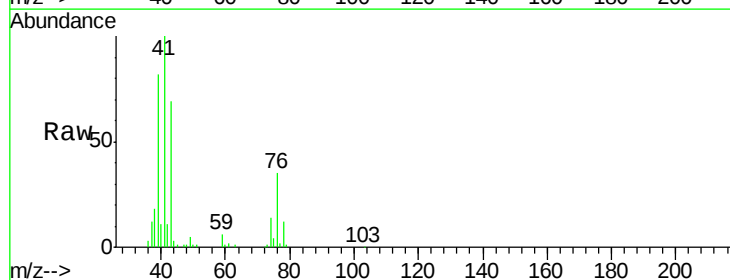
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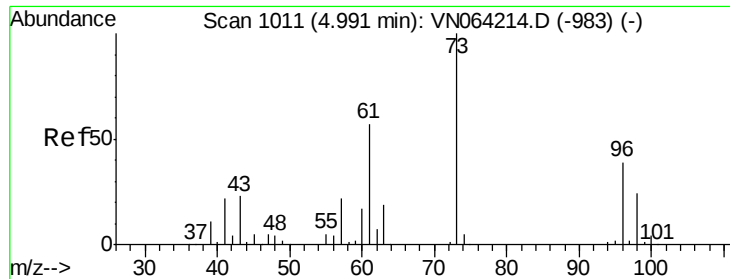
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#18
Methyl Acetate
Concen: 55.360 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.9	26.9





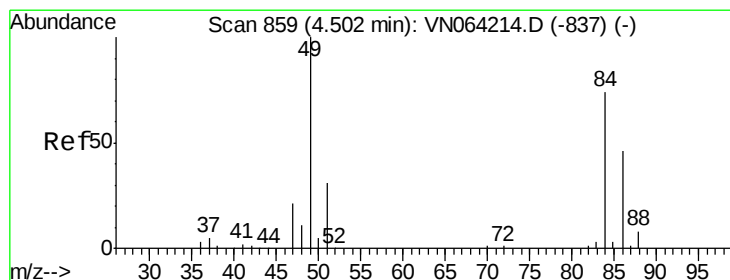
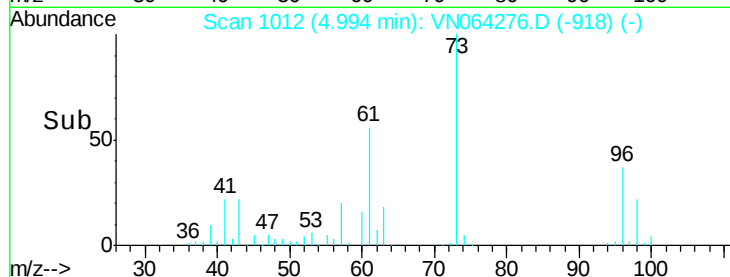
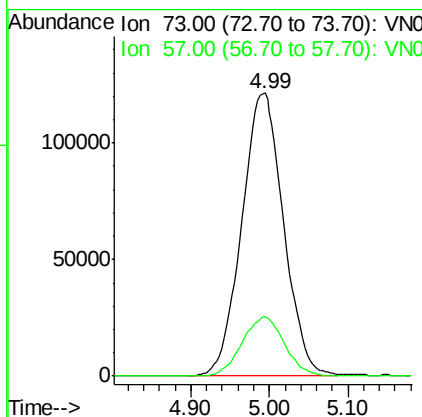
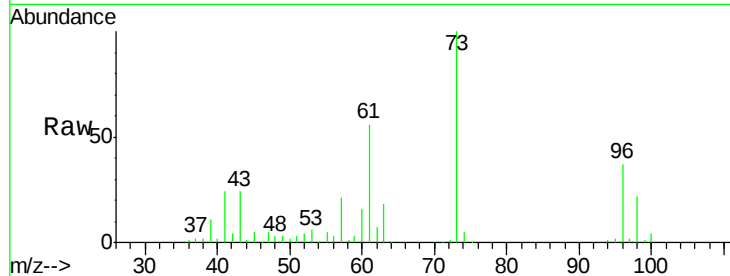
#19
Methvl tert-butvl Ether
Concen: 52.652 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 453531
Ion Ratio Lower Upper
73 100
57 21.2 18.0 27.0

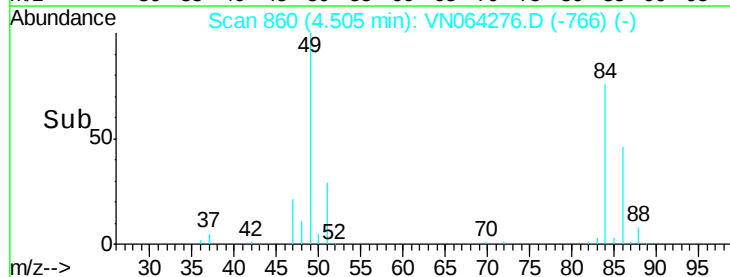
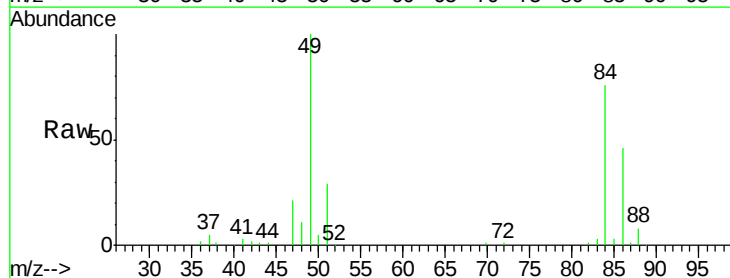
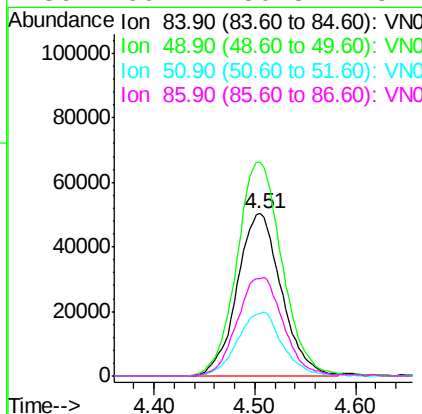
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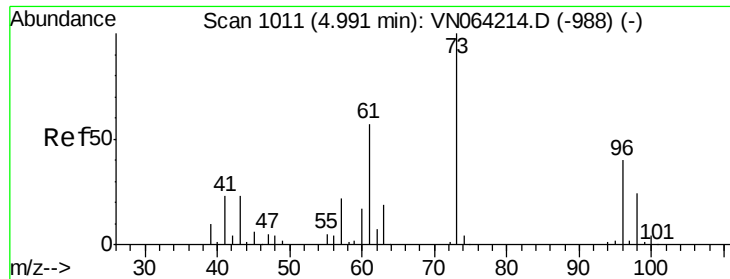
MMDadoda
10/23/2020 3:36:44 PM



#20
Methylene Chloride
Concen: 50.526 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion: 84 Resp: 153044
Ion Ratio Lower Upper
84 100
49 131.8 108.5 162.7
51 38.4 33.8 50.8
86 60.2 50.5 75.7





#21

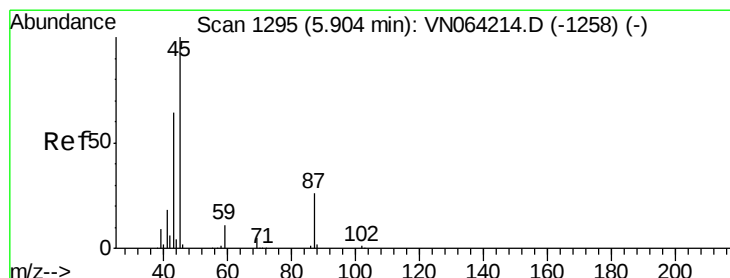
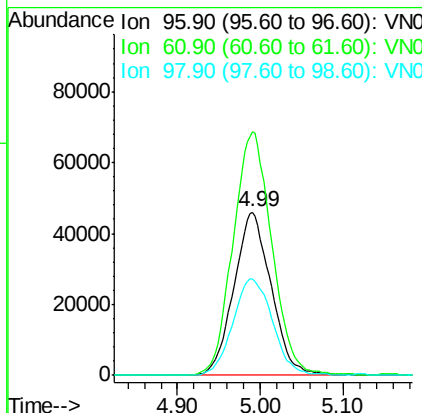
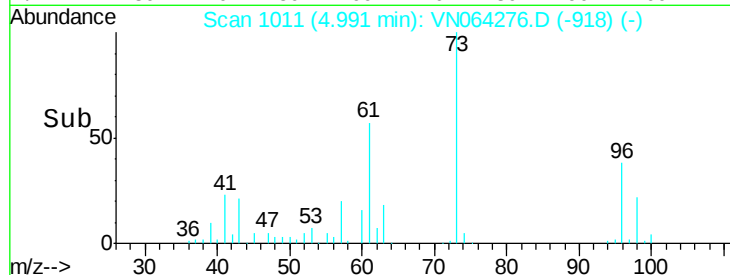
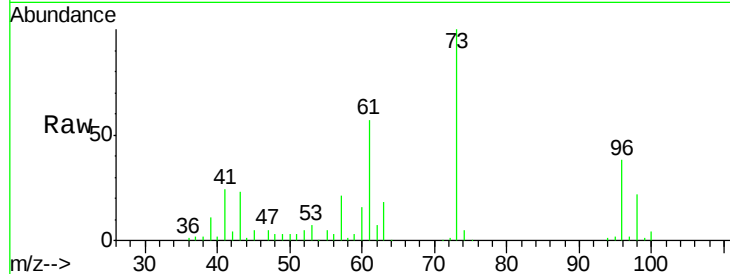
trans-1,2-Dichloroethene
Concen: 52.123 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	115.8	173.6
98	58.9	49.4	74.0

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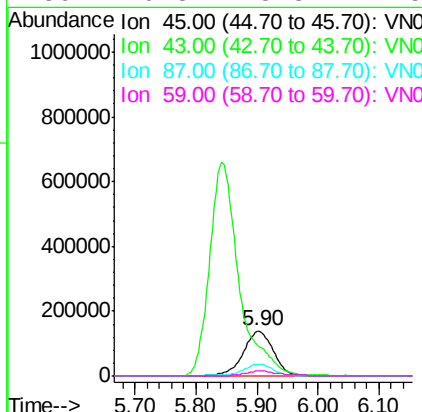
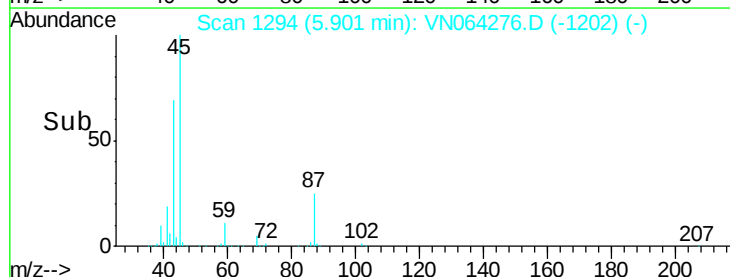
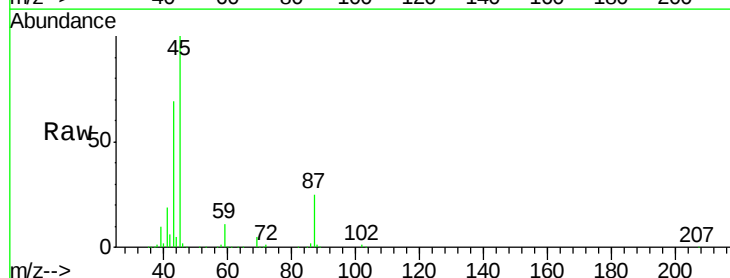
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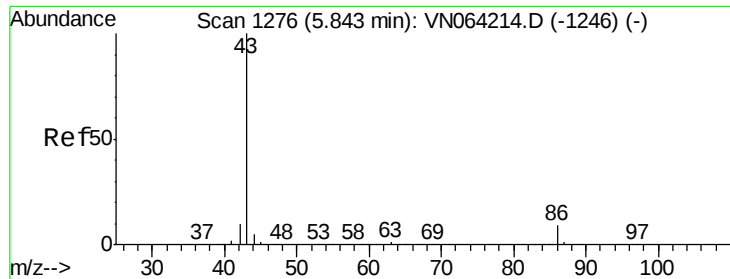


#22

Diisopropyl ether
Concen: 51.244 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.8	52.2	78.4
87	25.3	21.4	32.0
59	10.8	8.3	12.5





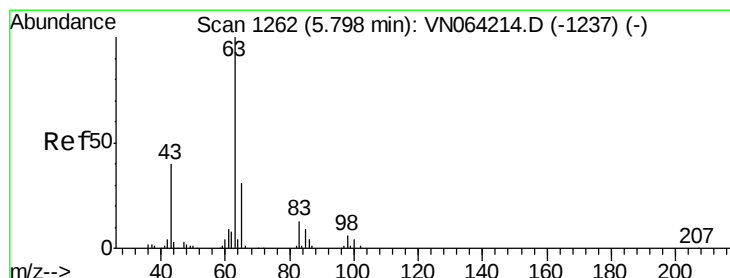
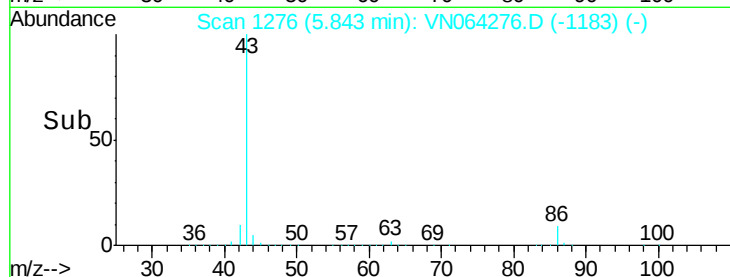
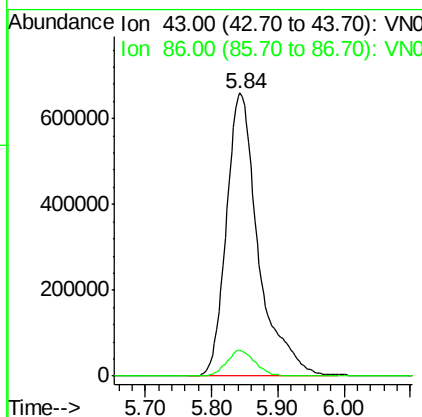
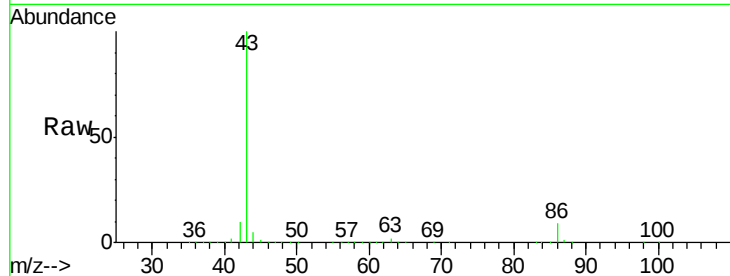
#23
 Vinyl Acetate
 Concen: 266.300 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2213870
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0

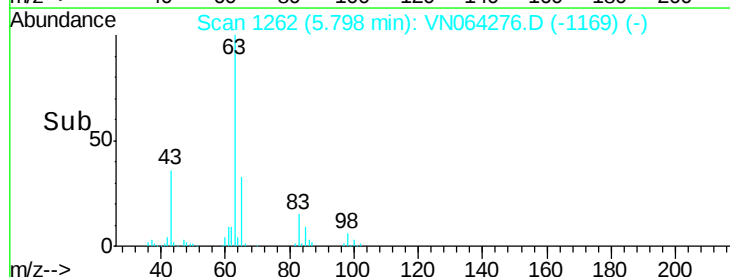
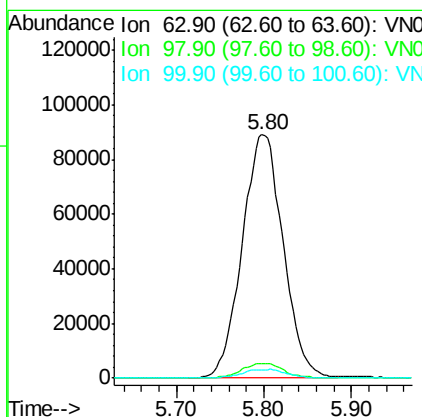
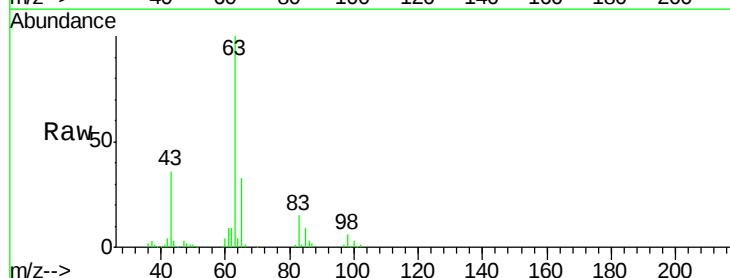
Manual Integrations
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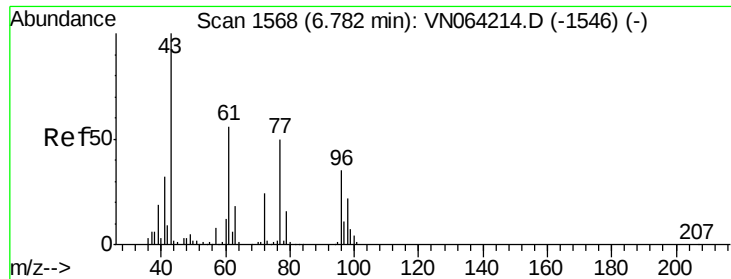
MMDadoda
 10/23/2020 3:36:44 PM



#24
 1,1-Dichloroethane
 Concen: 53.619 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion: 63 Resp: 289563
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.7
 100 3.4 2.0 6.0





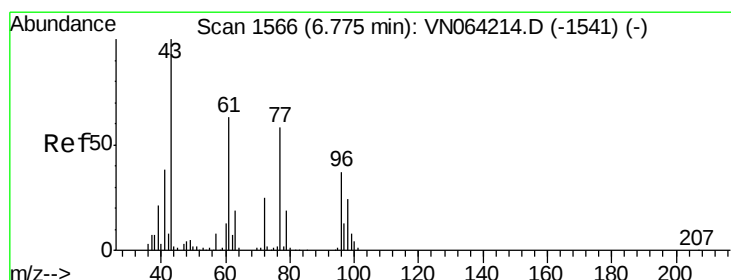
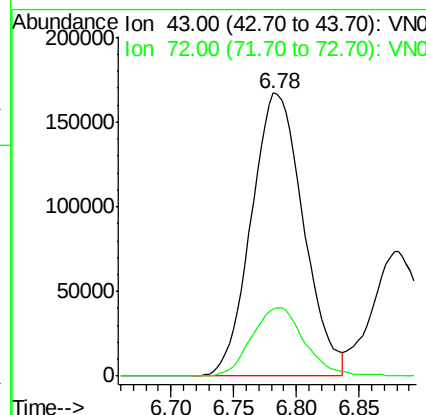
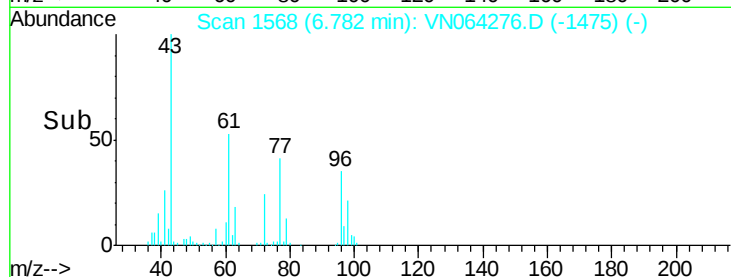
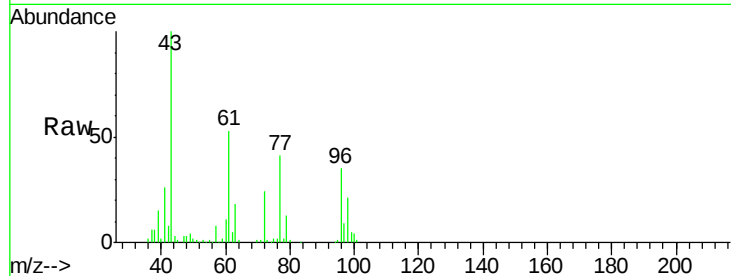
#25
2-Butanone
Concen: 266.777 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 481464
Ion Ratio Lower Upper
43 100
72 23.8 19.4 29.0

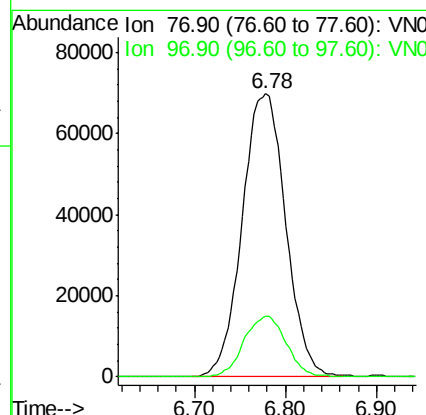
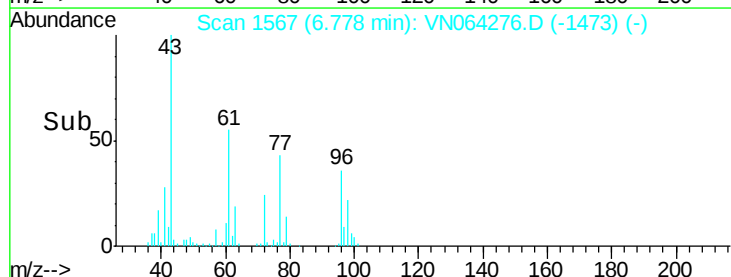
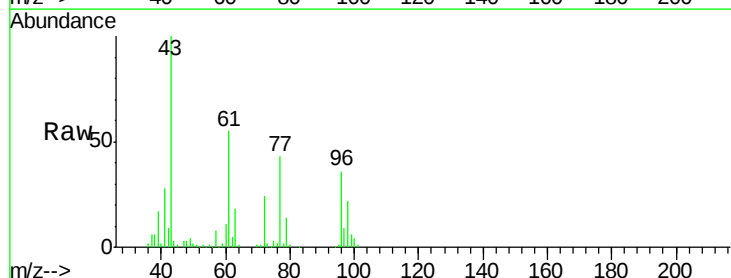
Manual Integrations
APPROVED

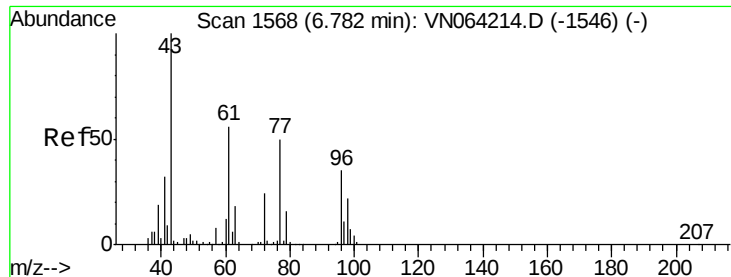
MMDadoda
10/23/2020 3:36:44 PM



#26
2,2-Dichloropropane
Concen: 43.096 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion: 77 Resp: 231695
Ion Ratio Lower Upper
77 100
97 20.8 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 53.580 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

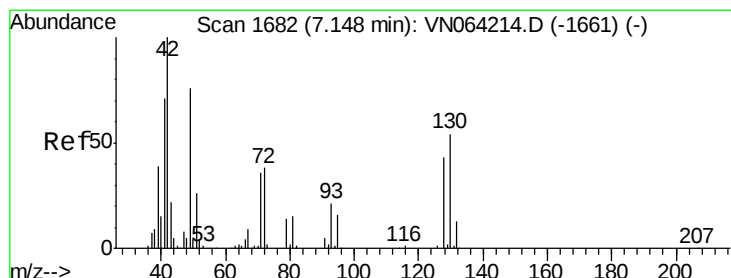
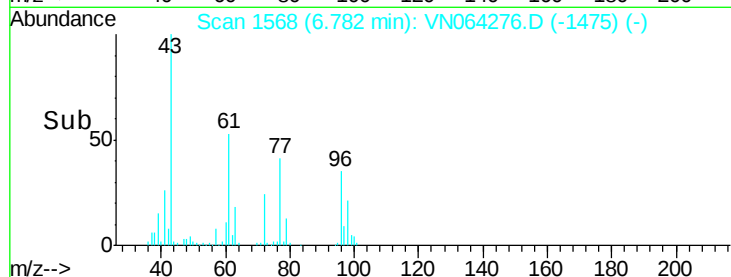
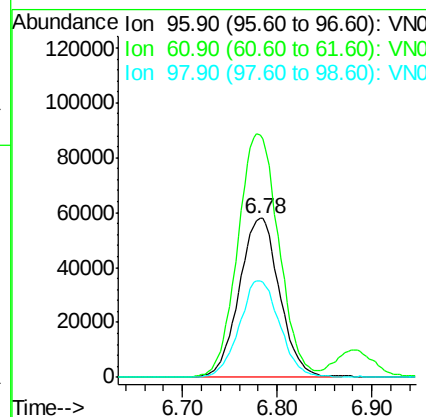
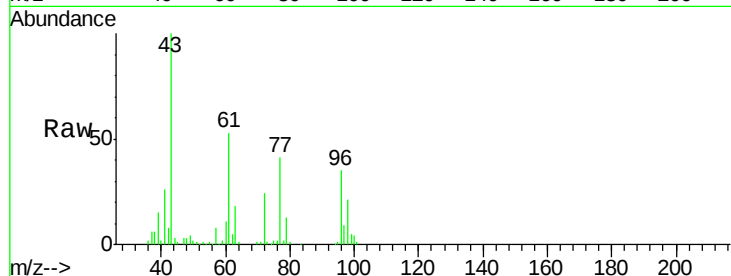
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	172393
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	330.0
98	60.5	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.848 ug/l

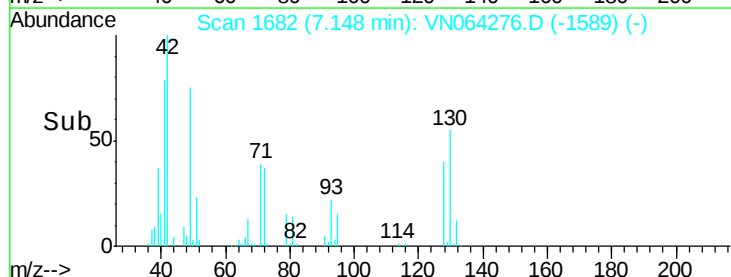
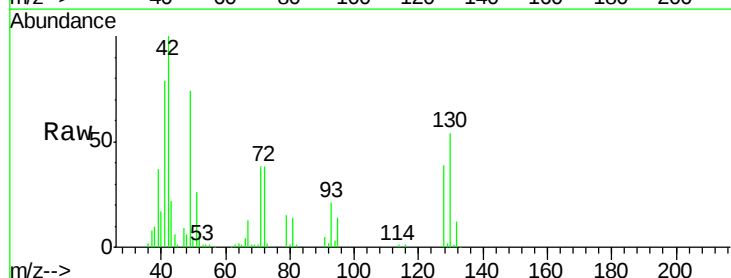
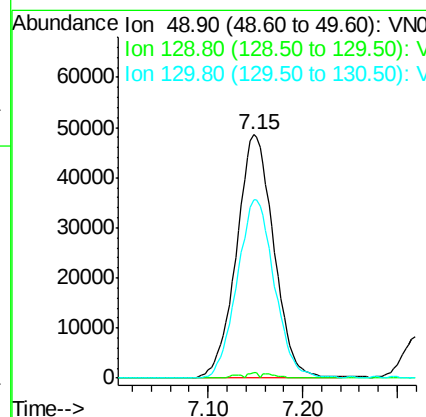
RT: 7.15 min Scan# 1682

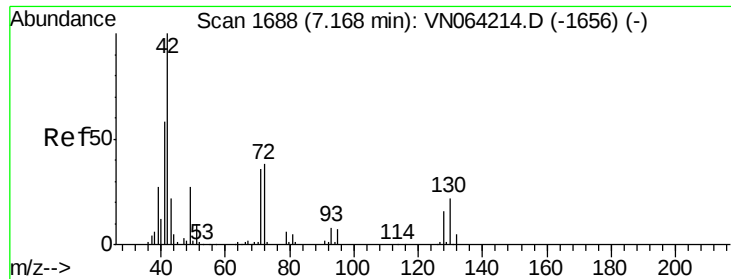
Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion:	49	Resp:	133015
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.8
130	73.0	58.8	88.2





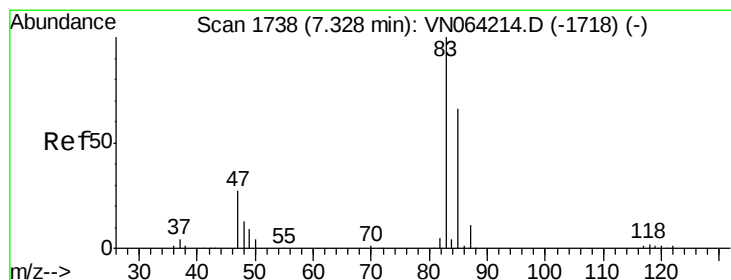
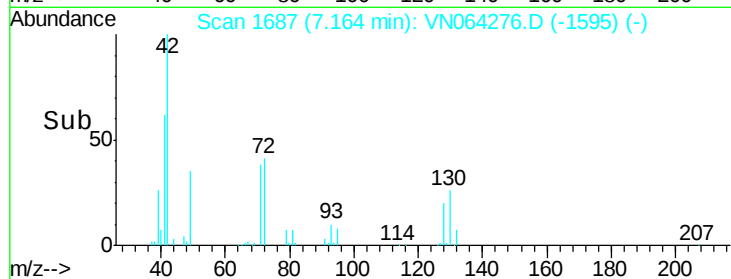
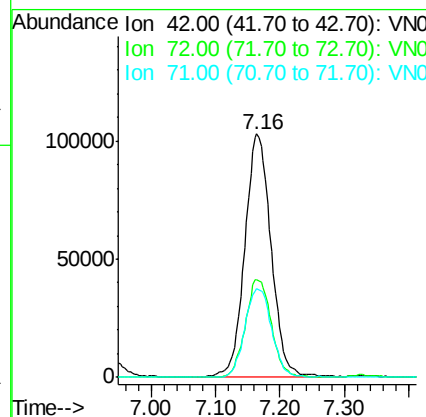
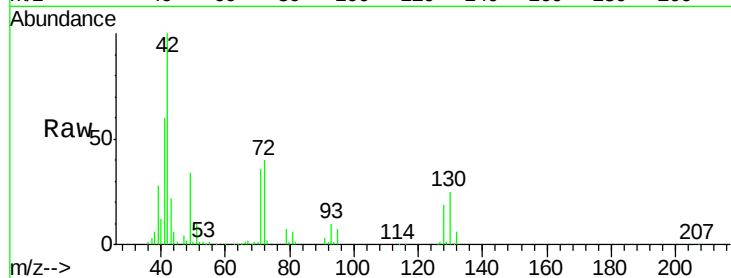
#29
Tetrahydrofuran
Concen: 272.049 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.8	46.2
71	37.0	29.0	43.6

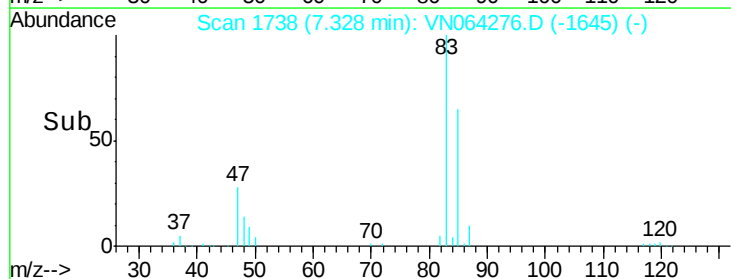
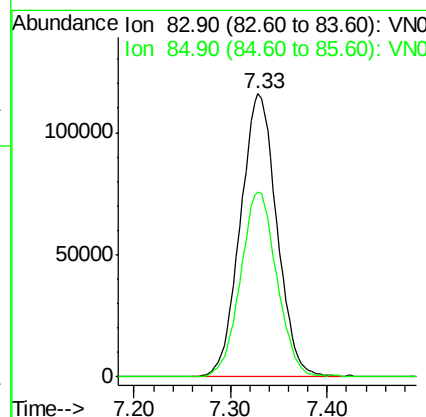
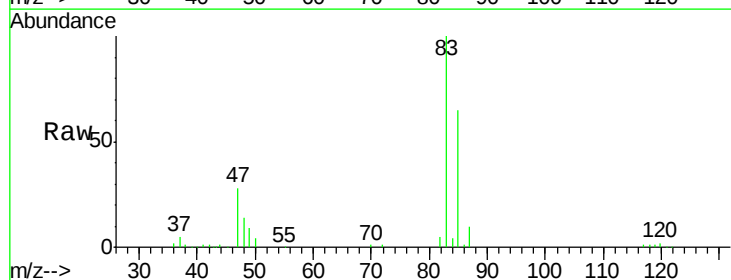
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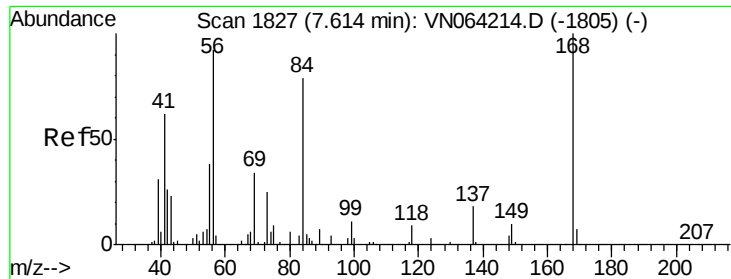
MMDadoda
10/23/2020 3:36:44 PM



#30
Chloroform
Concen: 52.653 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





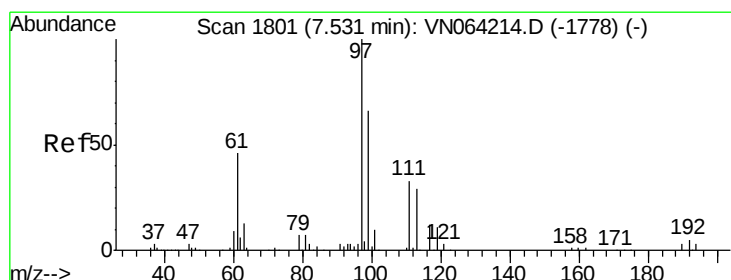
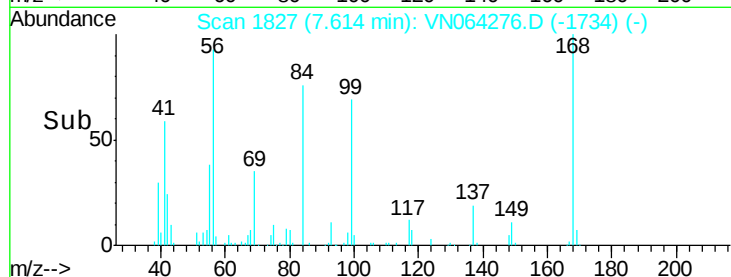
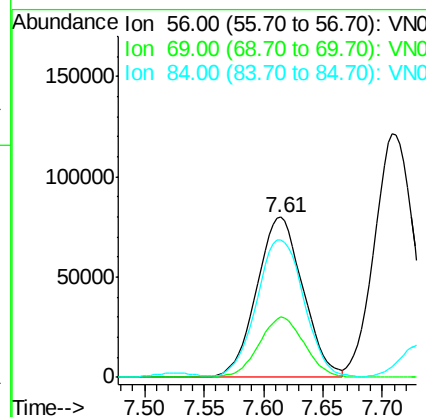
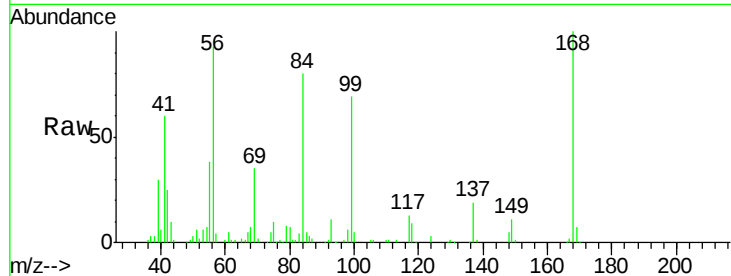
#31
Cyclohexane
Concen: 45.900 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	29.8	44.6
84	83.8	68.1	102.1

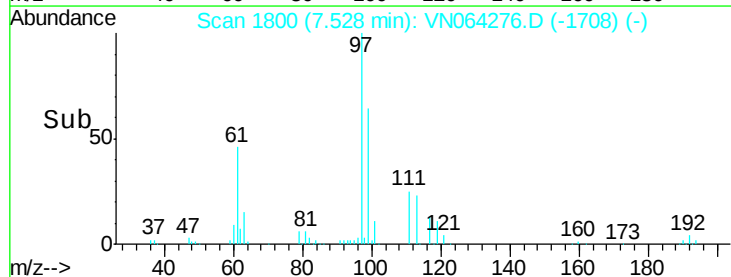
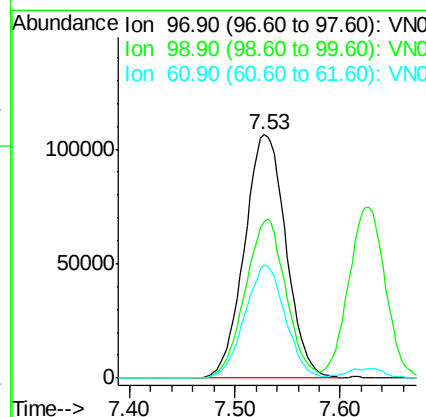
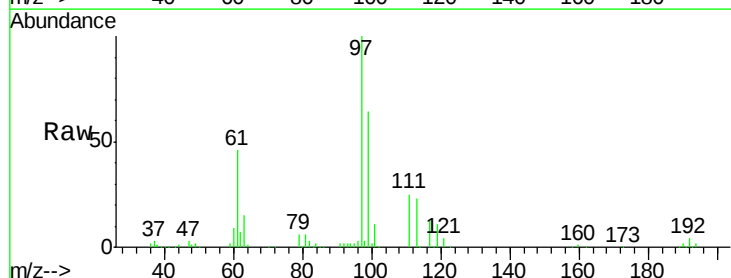
Manual Integrations
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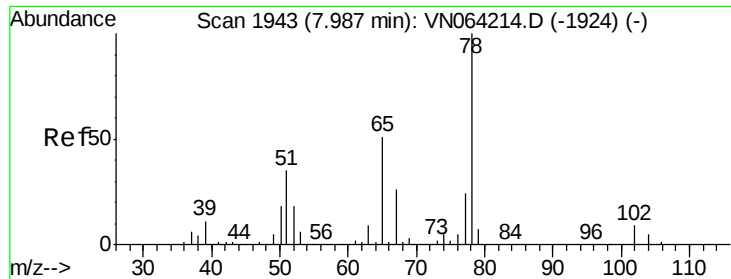
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.079 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	45.2	36.3	54.5





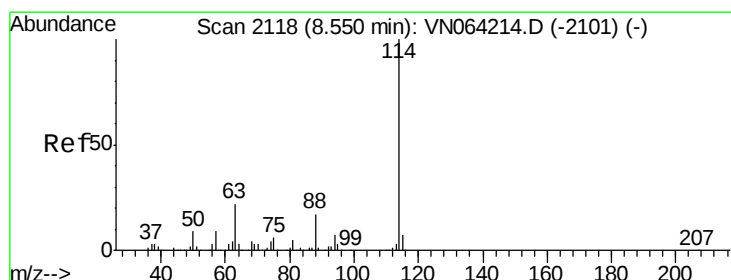
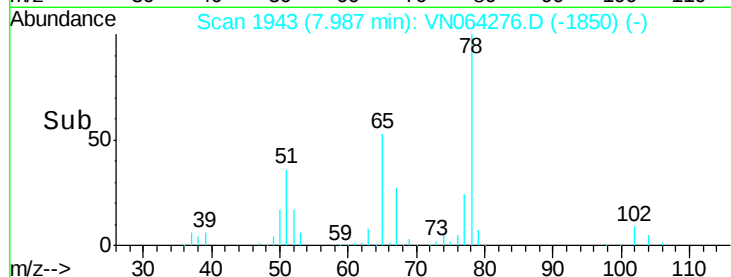
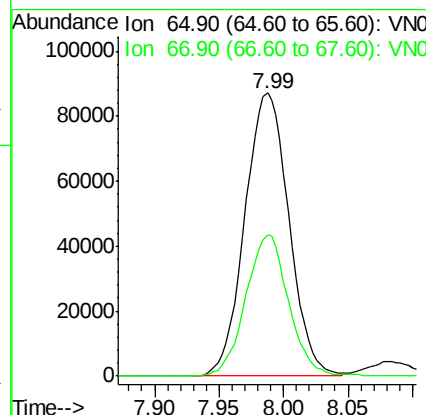
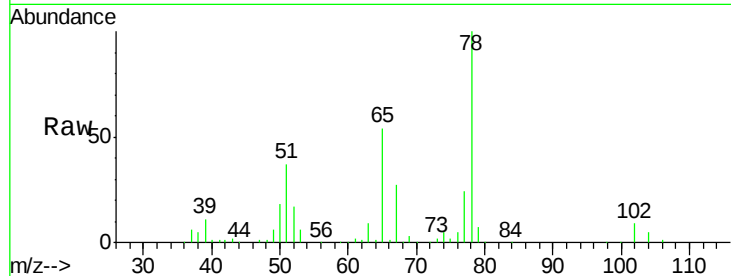
#33
 1,2-Dichloroethane-d4
 Concen: 52.274 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207532		
67	48.6	0.0	100.2	

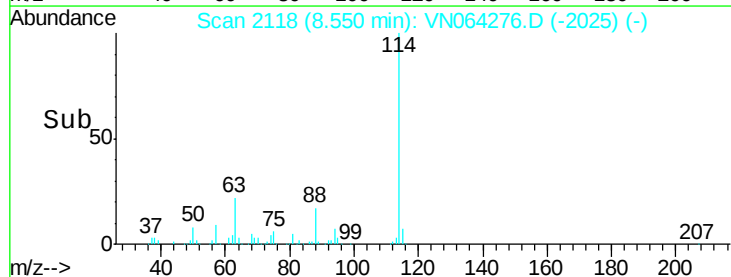
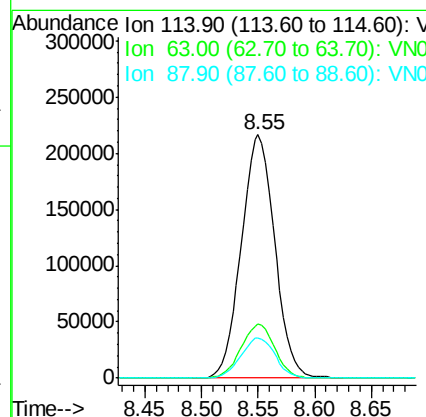
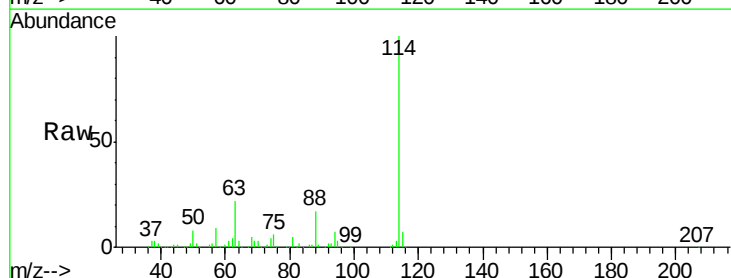
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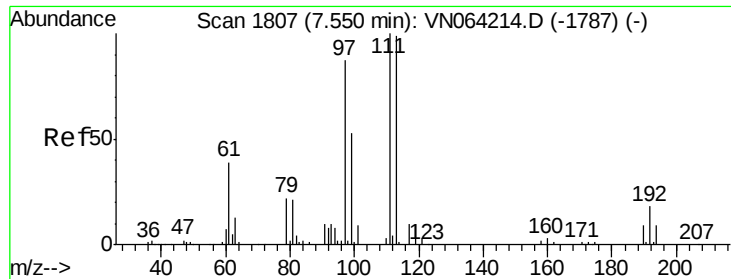
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446820		
63	22.2	0.0	44.0	
88	16.6	0.0	34.2	





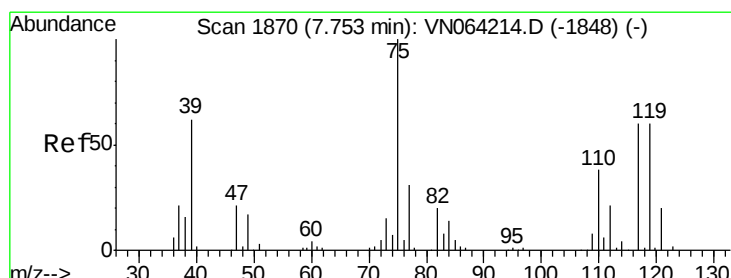
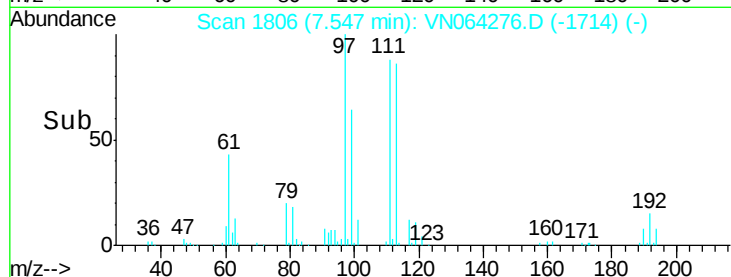
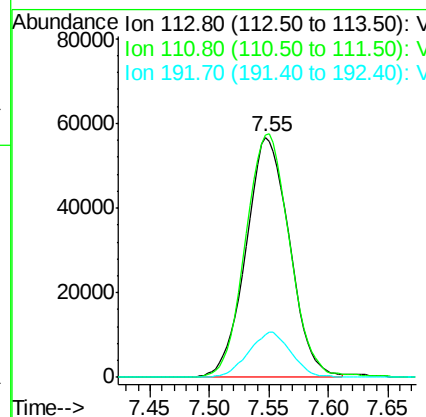
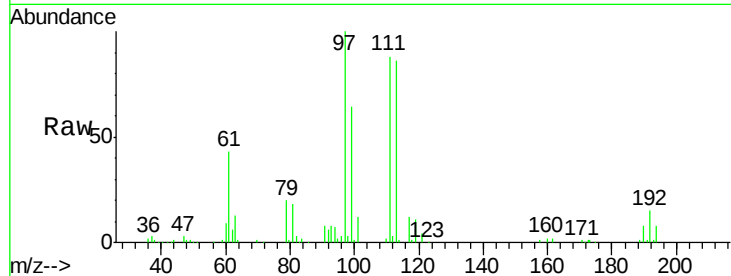
#35
Dibromofluoromethane
Concen: 48.428 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143864		
111	102.9	84.2	126.2	
192	18.4	15.2	22.8	

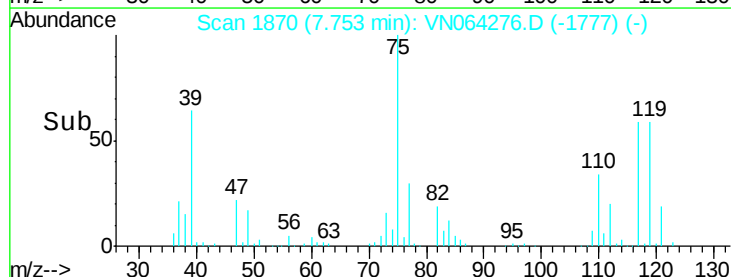
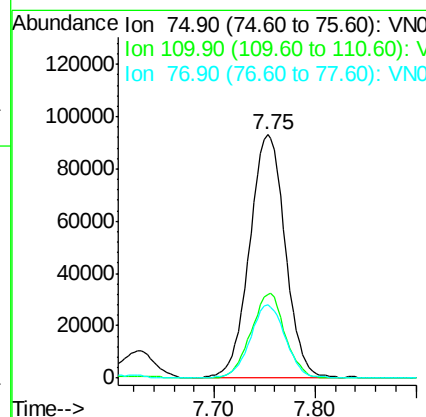
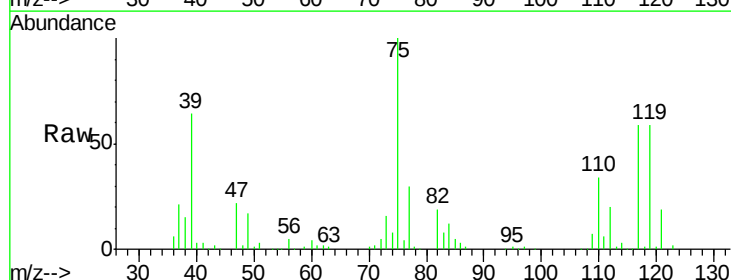
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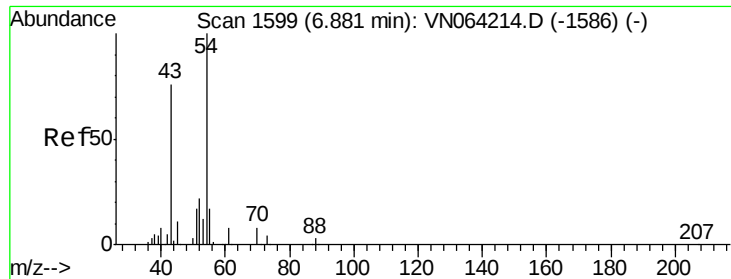
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.213 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	228131		
110	33.3	17.2	51.6	
77	30.0	24.9	37.3	





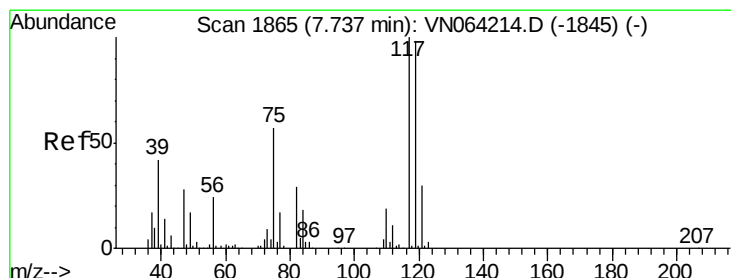
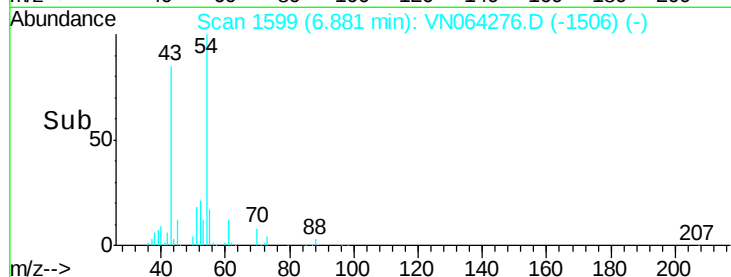
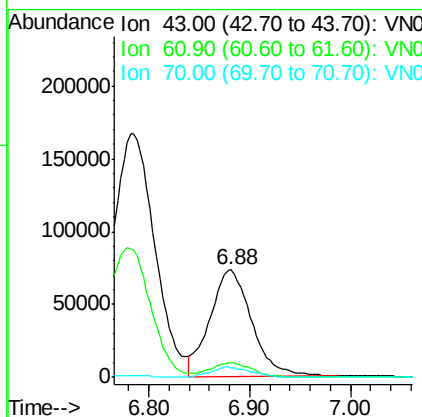
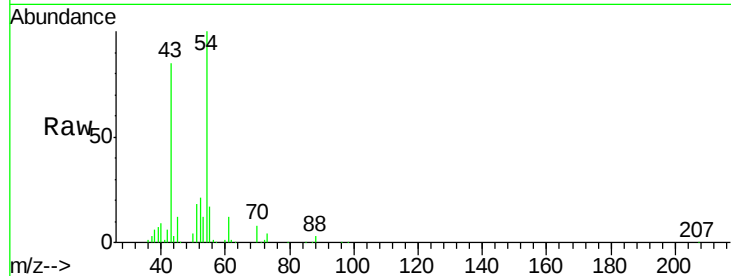
#37
Ethyl Acetate
Concen: 52.062 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.0	15.0
70	9.5	7.5	11.3

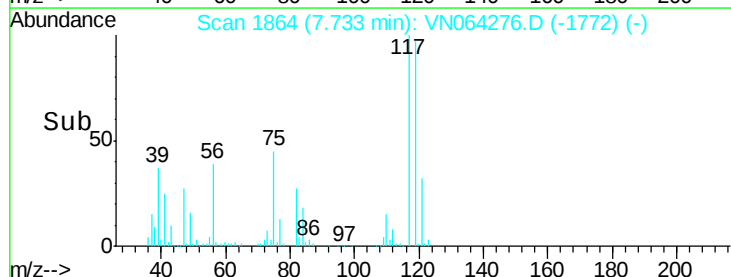
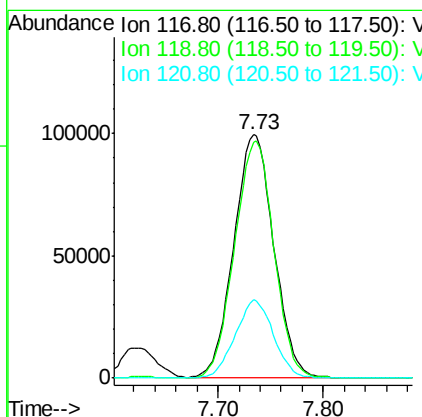
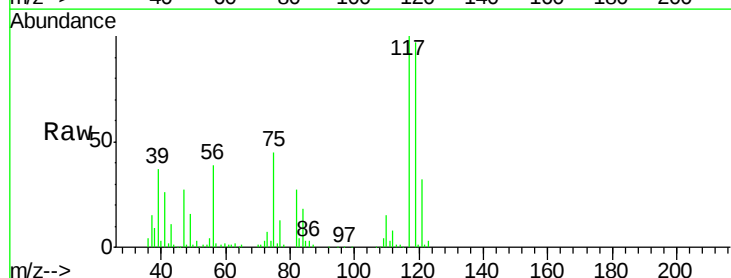
Manual Integrations
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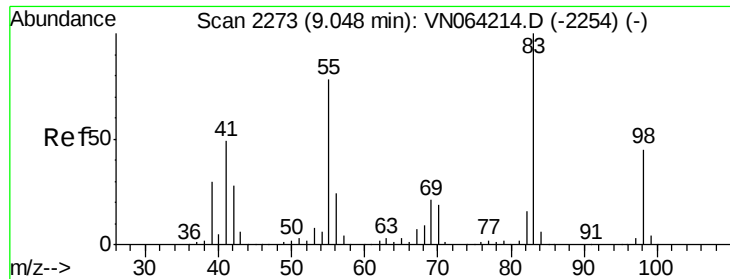
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#38
Carbon Tetrachloride
Concen: 51.556 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.5	117.7
121	32.1	24.3	36.5





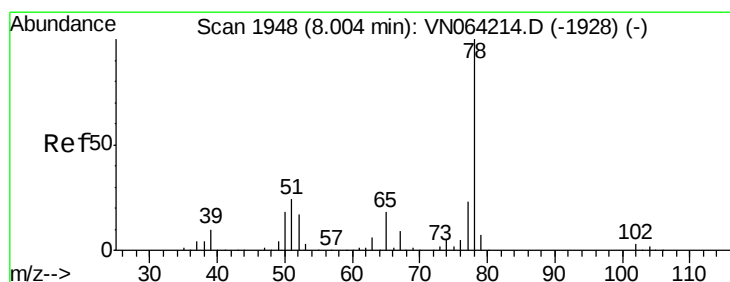
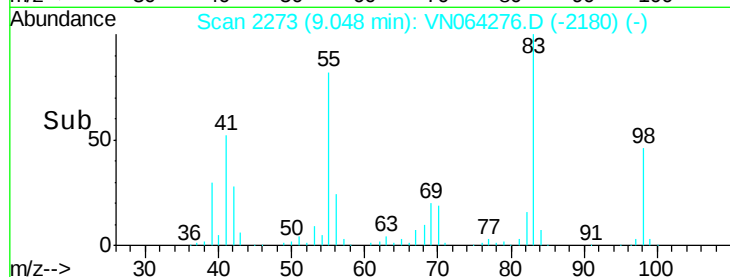
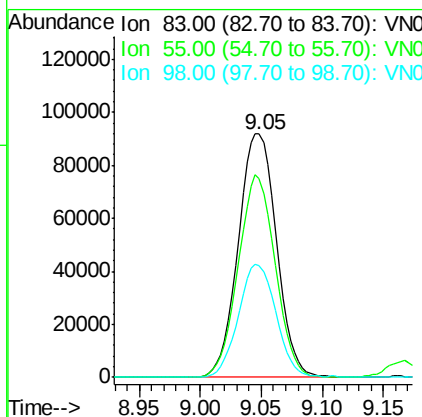
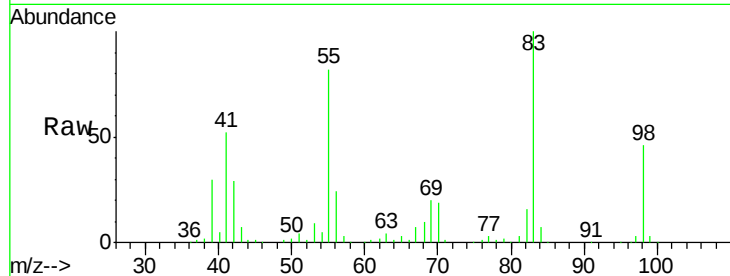
#39
Methvlcvclohexane
Concen: 49.031 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	62.2	93.2
98	45.8	35.9	53.9

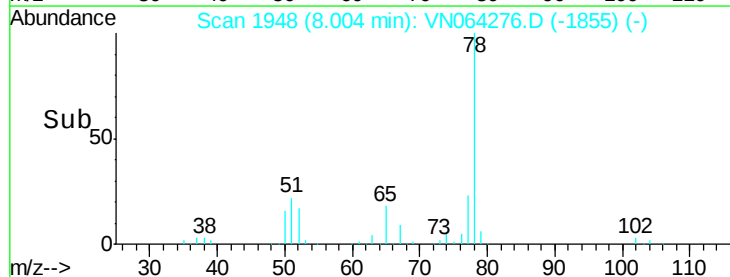
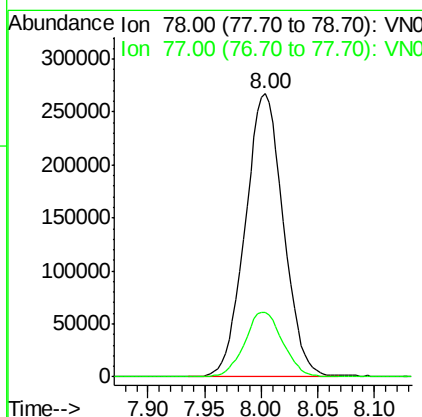
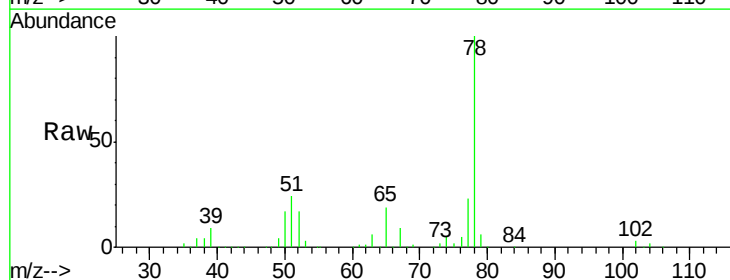
Manual Integrations
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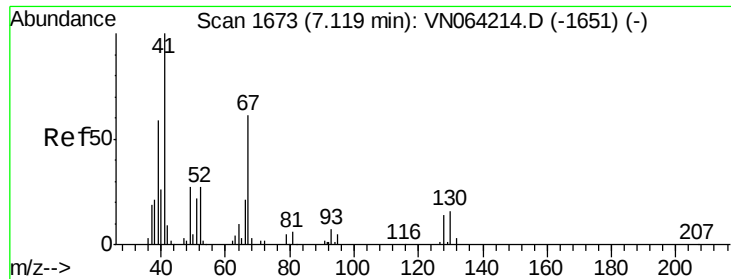
MMDadoda
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#40
Benzene
Concen: 51.018 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5





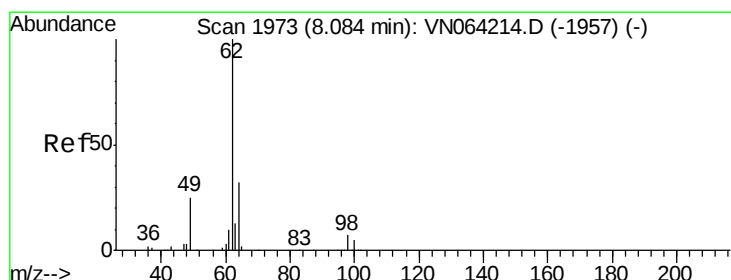
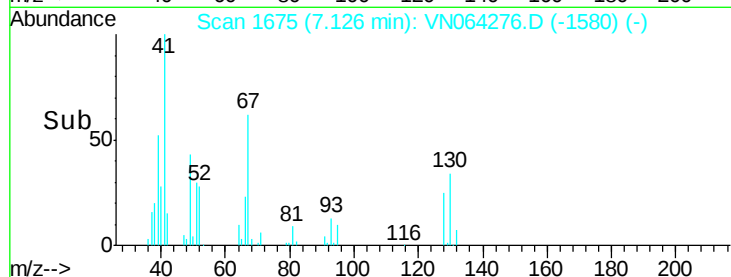
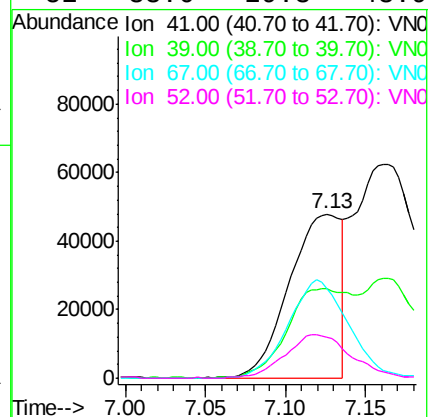
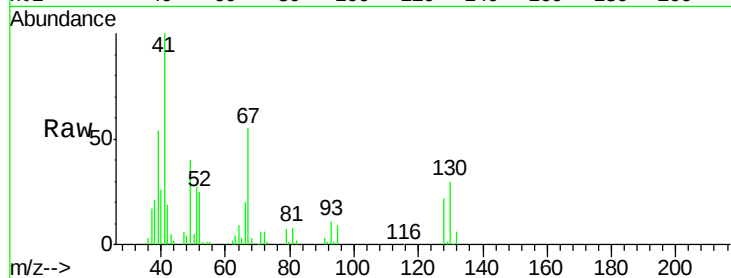
#41
Methacrylonitrile
Concen: 51.407 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.0	50.5	75.7	
67	69.3	63.2	94.8	
52	33.6	29.3	43.9	

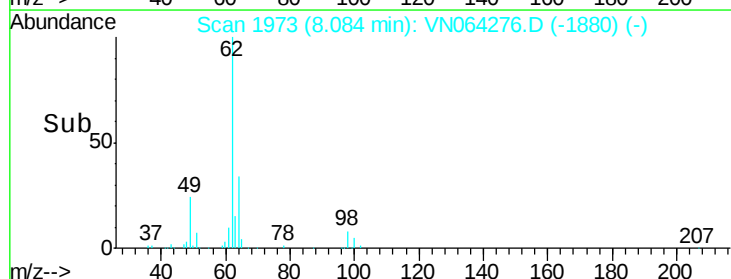
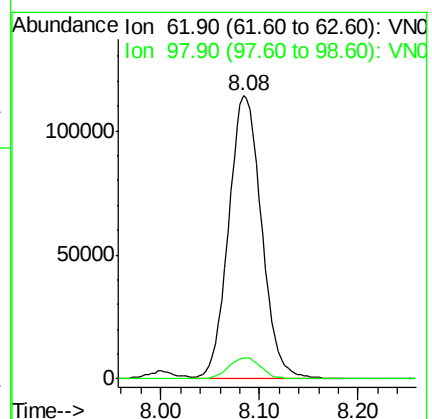
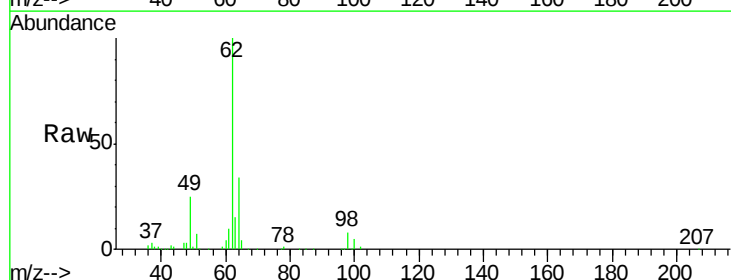
Manual Integrations
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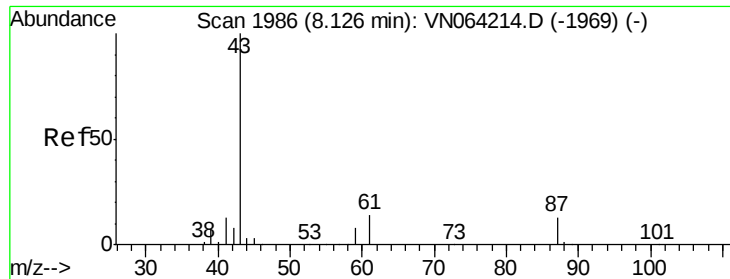
MMDadoda
10/23/2020 3:36:44 PM



#42
1,2-Dichloroethane
Concen: 50.386 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.6	0.0	15.0	





#43

Isopropyl Acetate

Concen: 50.570 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

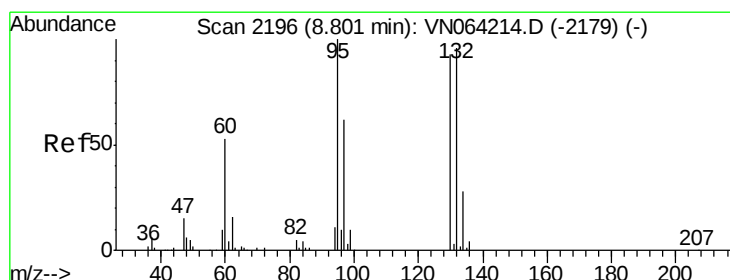
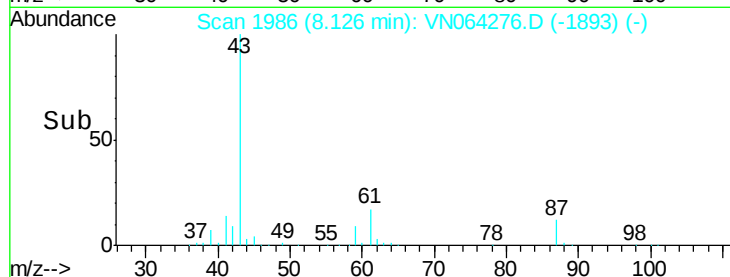
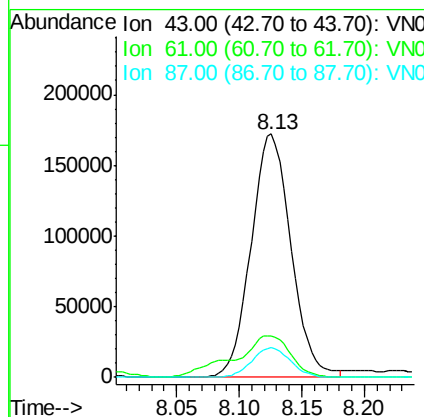
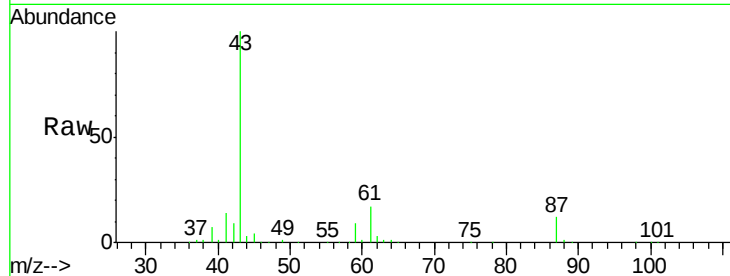
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	381174
Ion	Ratio	Lower	Upper
43	100		
61	17.5	19.6	29.4#
87	12.0	9.8	14.6

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#44

Trichloroethene

Concen: 51.340 ug/l

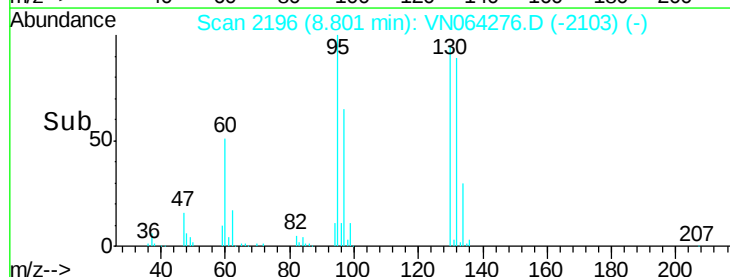
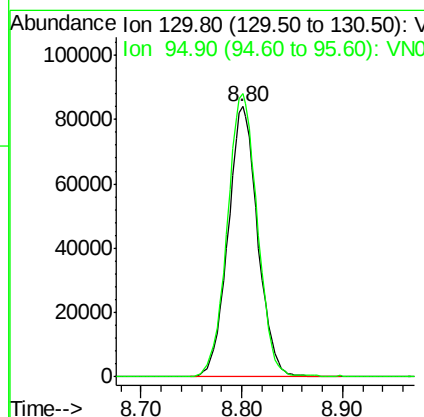
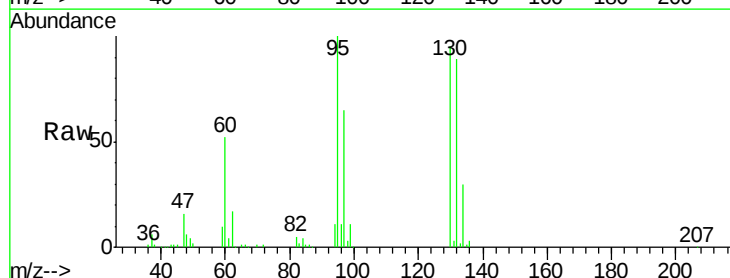
RT: 8.80 min Scan# 2196

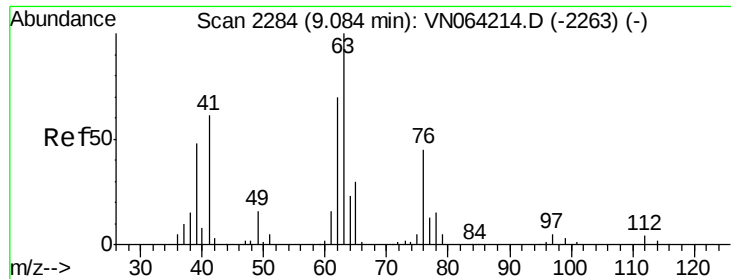
Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion:	130	Resp:	172031
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	214.0





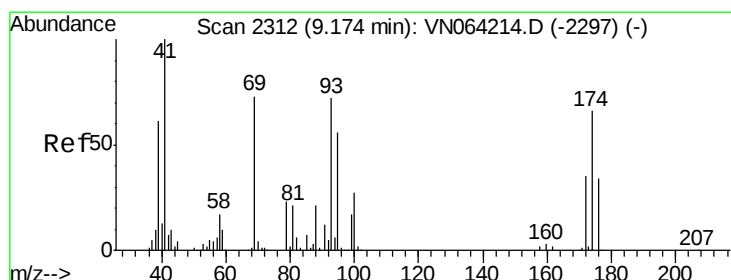
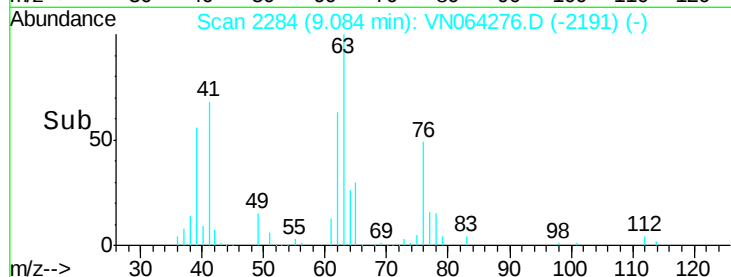
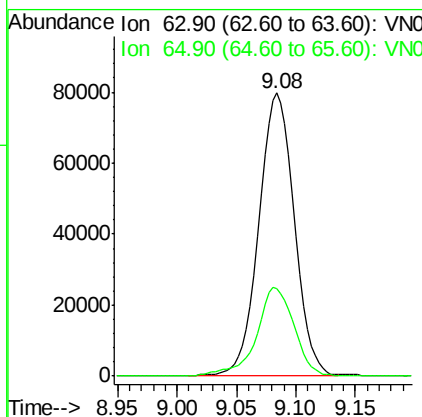
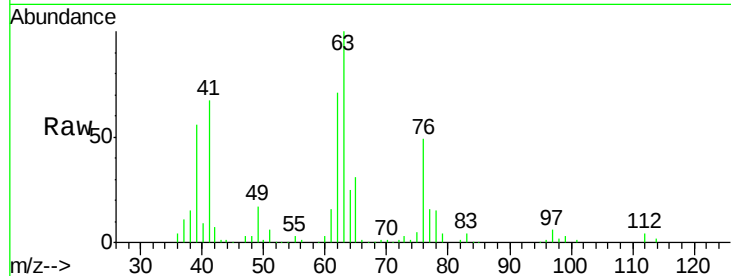
#45
 1,2-Dichloropropane
 Concen: 50.265 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 165004
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.0 36.0

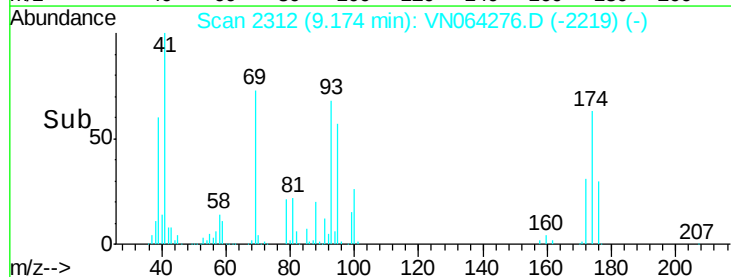
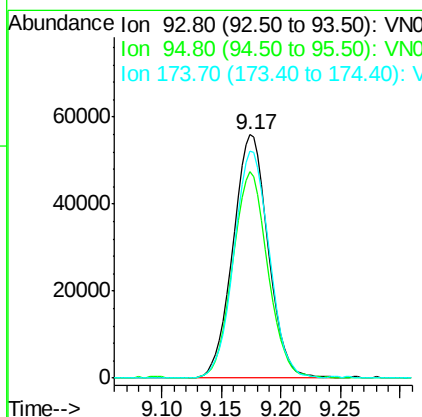
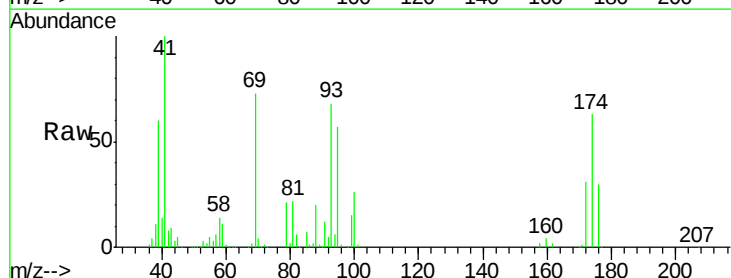
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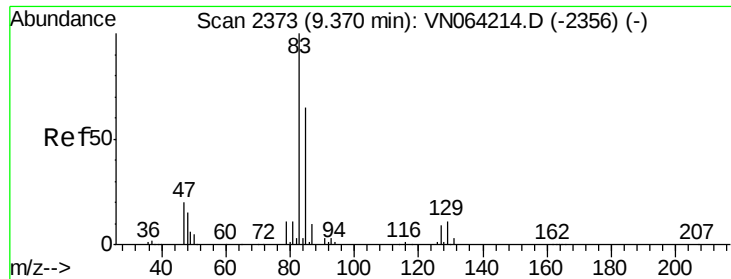
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#46
 Dibromomethane
 Concen: 52.087 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion: 93 Resp: 114813
 Ion Ratio Lower Upper
 93 100
 95 84.2 63.0 94.4
 174 93.3 72.9 109.3





#47

Bromodichloromethane

Concen: 51.545 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

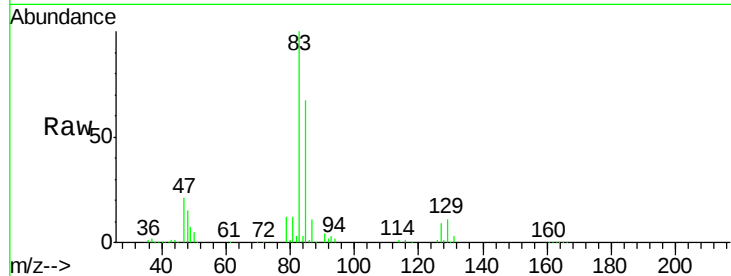
ClientSampleId :

VSTDCCC050EC

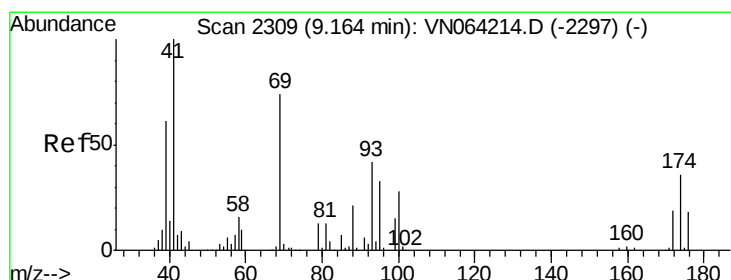
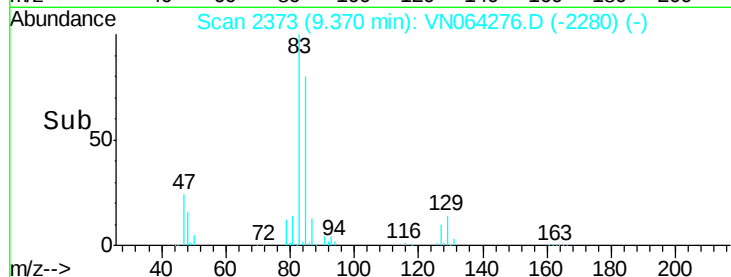
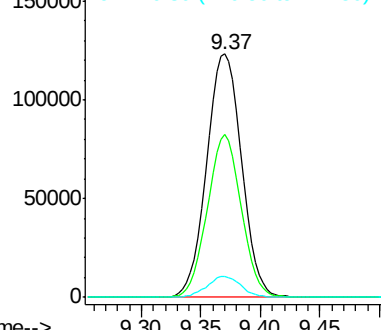
Tot Ion:	83	Resp:	251016
Ion Ratio	Lower	Upper	
83	100		
85	66.8	51.8	77.8
127	8.6	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN064276.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.509 ug/l

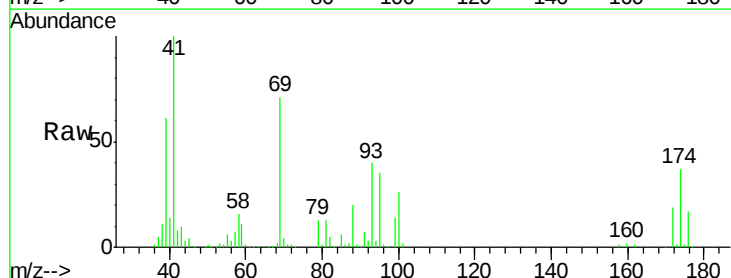
RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

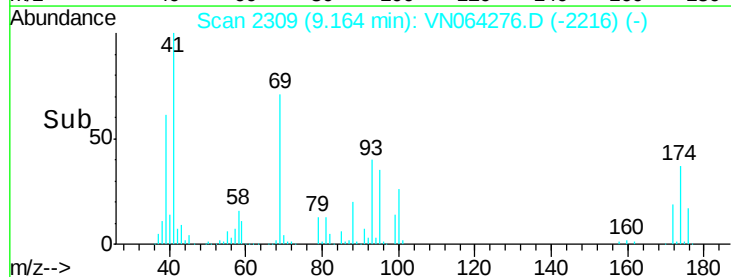
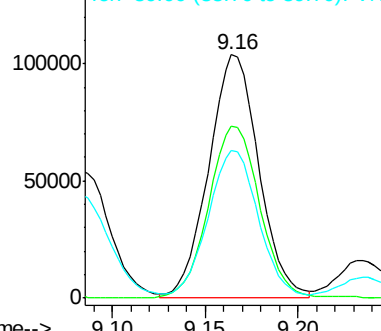
Lab File: VN064276.D

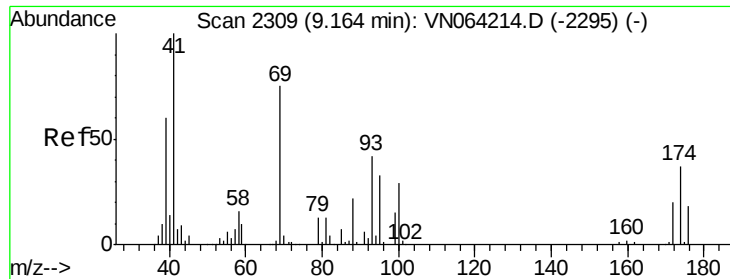
Acq: 23 Oct 2020 1:35

Tgt Ion:	41	Resp:	194941
Ion Ratio	Lower	Upper	
41	100		
69	72.4	57.3	85.9
39	61.0	48.6	73.0



Abundance Ion 41.00 (40.70 to 41.70): VN064276.D (-2216) (-)





#49

1,4-Dioxane

Concen: 931.836 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 42930

Ion Ratio Lower Upper

88 100

43 42.1 34.6 52.0

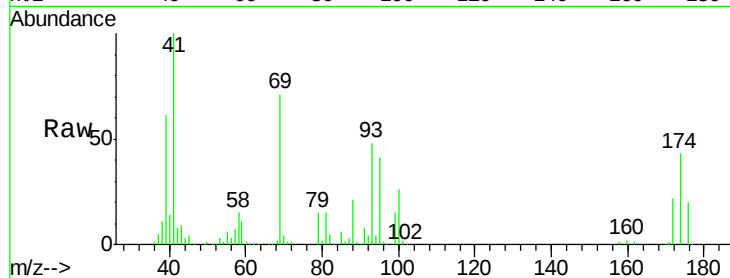
58 75.2 59.0 88.6

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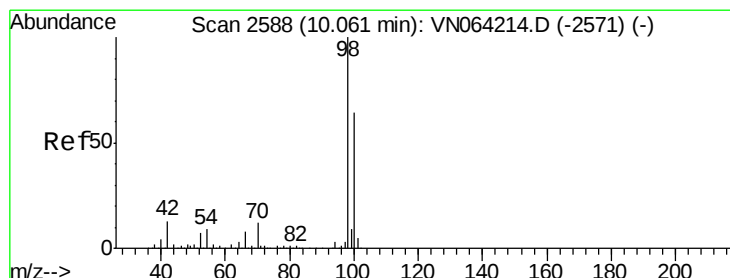
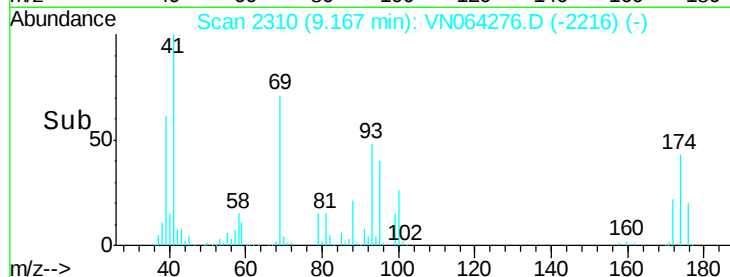
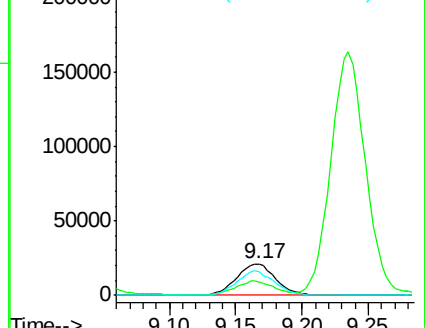
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Abundance Ion 88.00 (87.70 to 88.70): VN064276.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN064276.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN064276.D (-2216) (-)



#50

Toluene-d8

Concen: 48.846 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064276.D

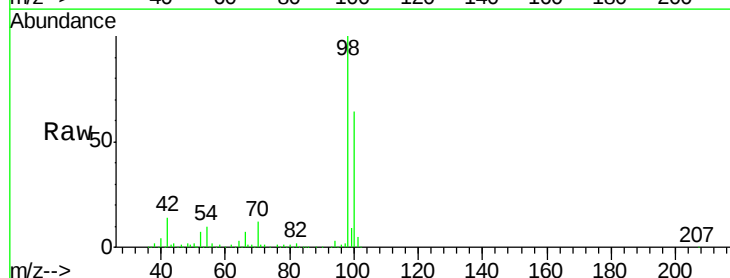
Acq: 23 Oct 2020 1:35

Tgt Ion: 98 Resp: 526368

Ion Ratio Lower Upper

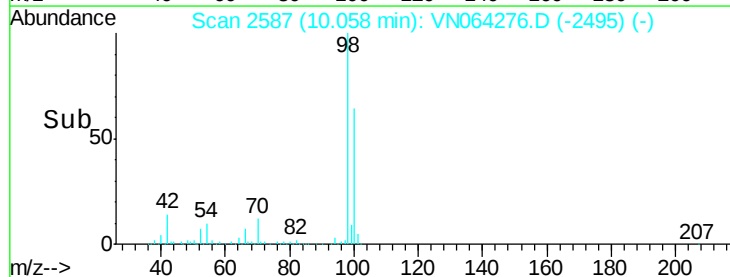
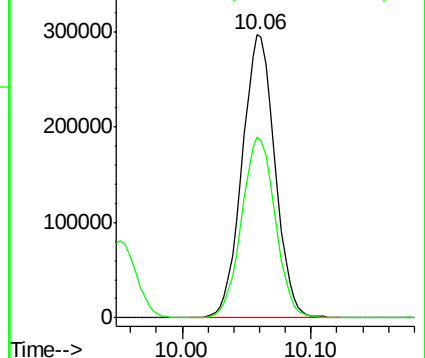
98 100

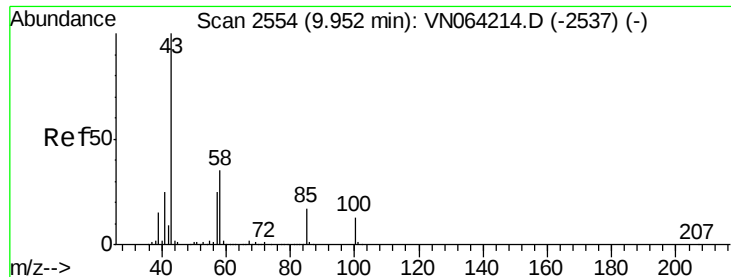
100 64.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064276.D (-2495) (-)

Ion 100.00 (99.70 to 100.70): VN064276.D (-2495) (-)





#51

4-Methyl-2-Pentanone

Concen: 266.664 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1074242

Ion Ratio Lower Upper

43 100

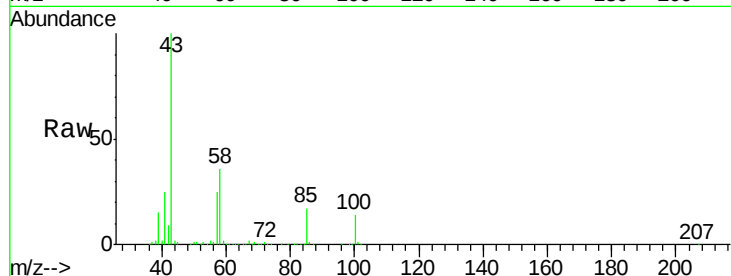
58 35.7 28.6 42.8

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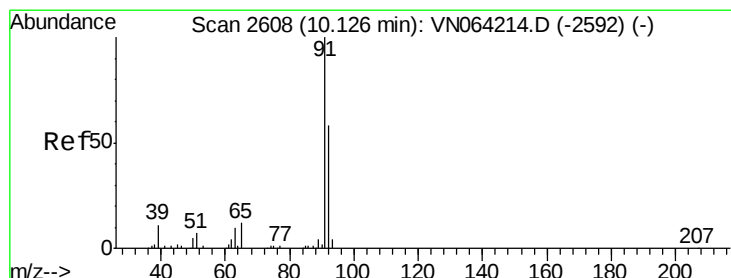
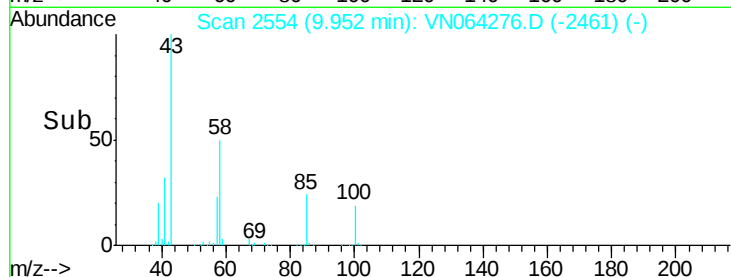
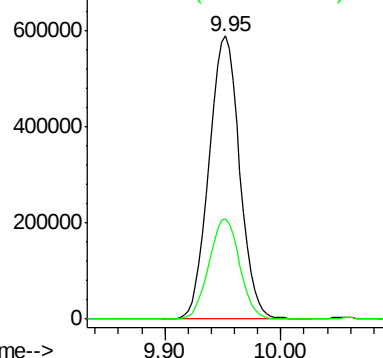
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.088 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064276.D

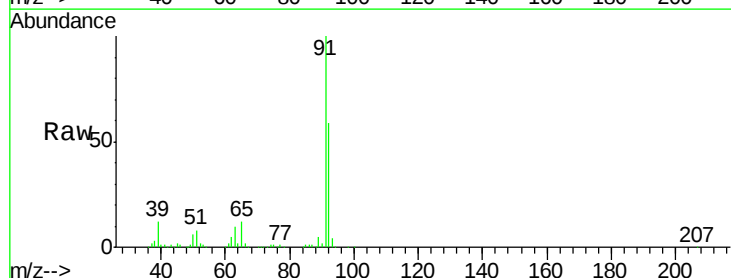
Acq: 23 Oct 2020 1:35

Tgt Ion: 92 Resp: 394097

Ion Ratio Lower Upper

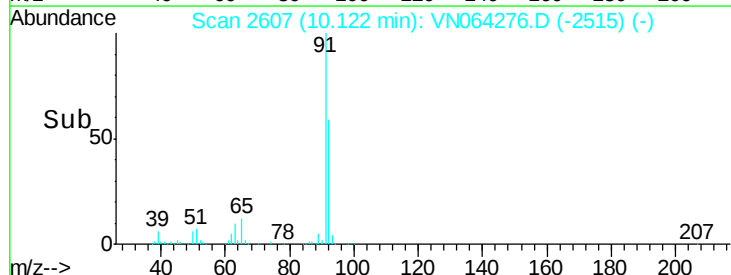
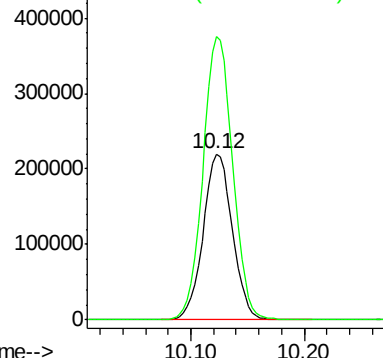
92 100

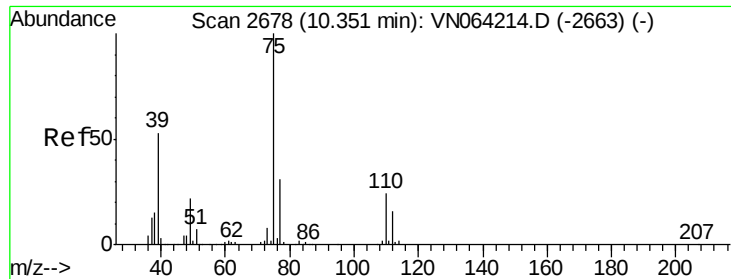
91 173.7 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





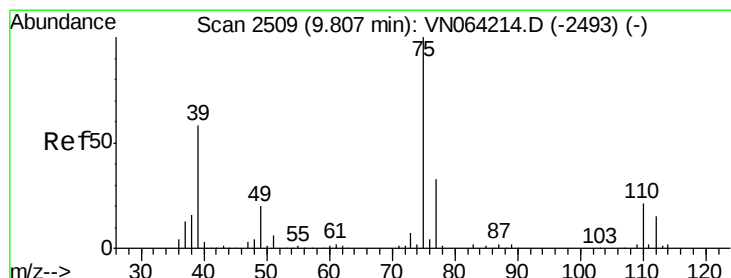
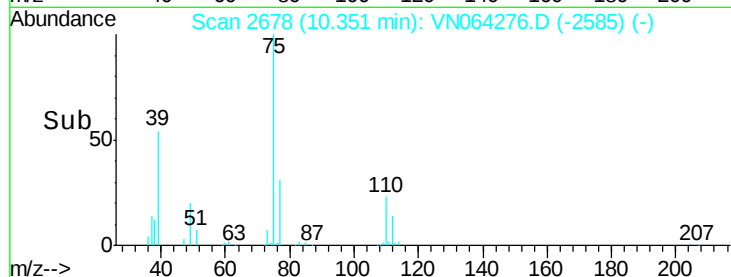
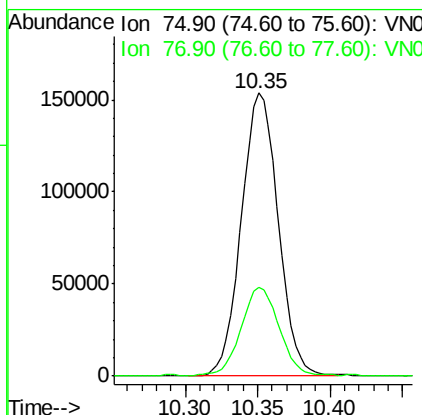
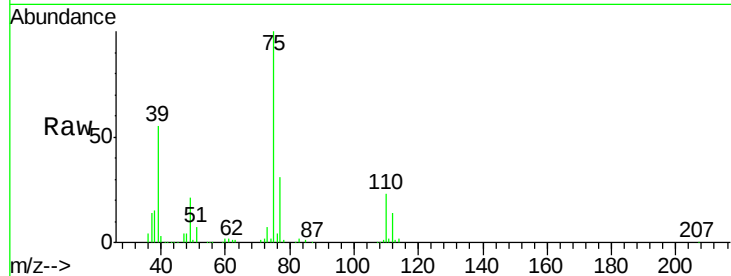
#53
t-1,3-Dichloropropene
Concen: 50.296 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

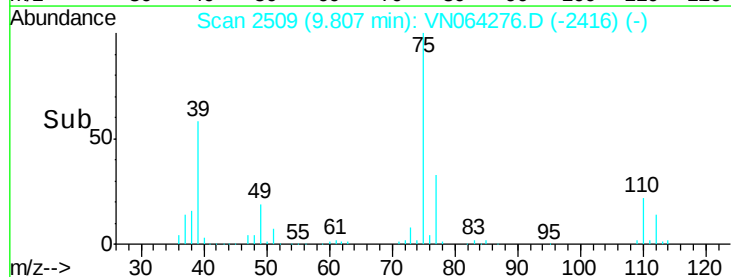
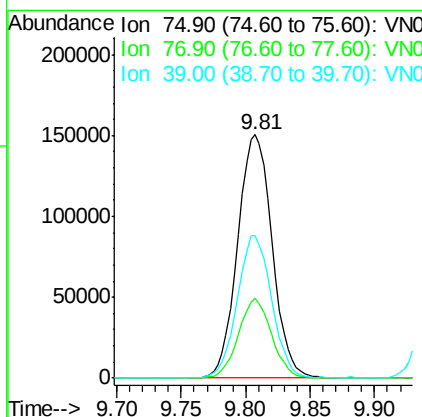
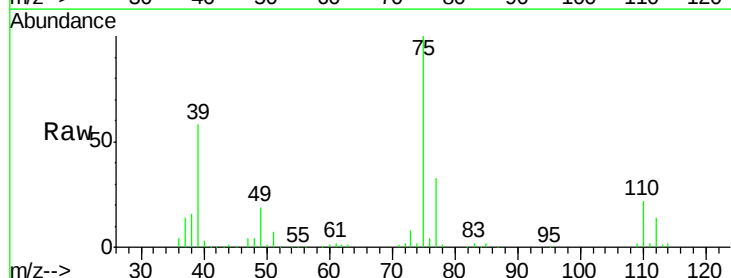
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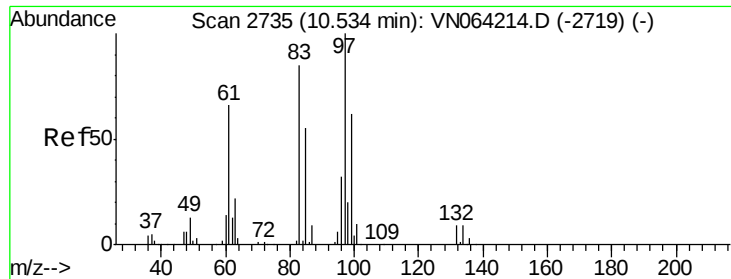
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#54
cis-1,3-Dichloropropene
Concen: 49.213 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.6	39.8
39	58.3	46.7	70.1





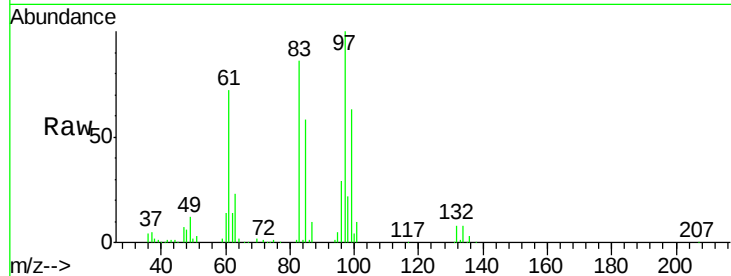
#55
 1,1,2-Trichloroethane
 Concen: 52.547 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.8	101.6
85	58.1	43.6	65.4
99	62.6	49.9	74.9

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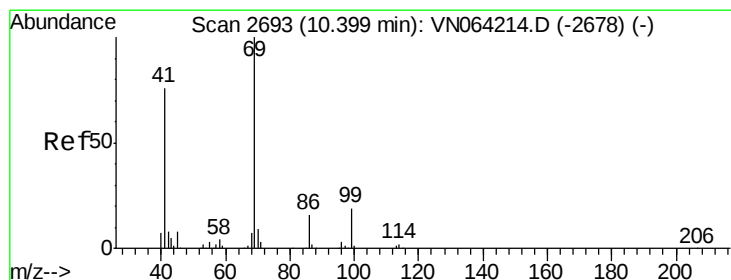
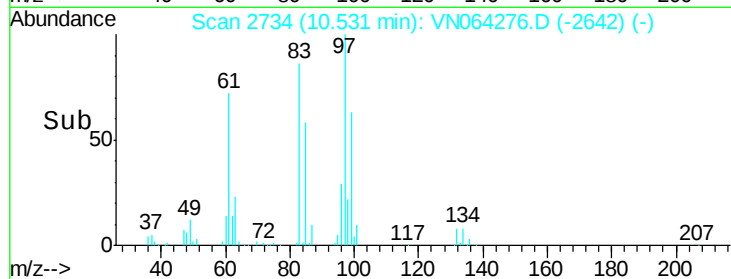
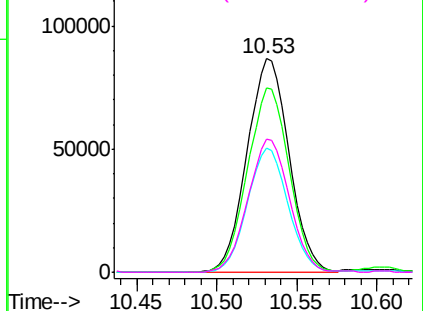


Abundance Ion 96.90 (96.60 to 97.60): VN064276.D (-2642) (-)

Ion 82.90 (82.60 to 83.60): VN064276.D (-2642) (-)

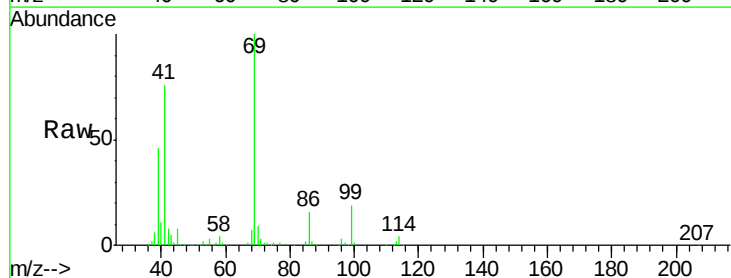
Ion 84.90 (84.60 to 85.60): VN064276.D (-2642) (-)

Ion 98.90 (98.60 to 99.60): VN064276.D (-2642) (-)



#56
 Ethyl methacrylate
 Concen: 52.680 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

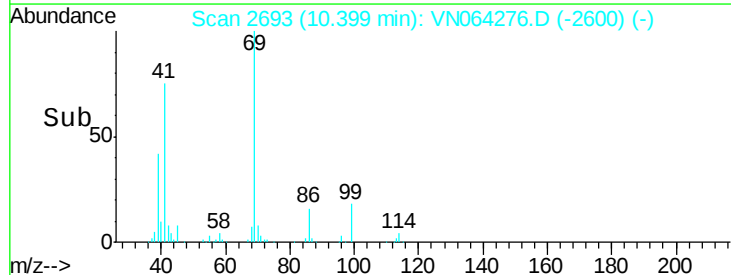
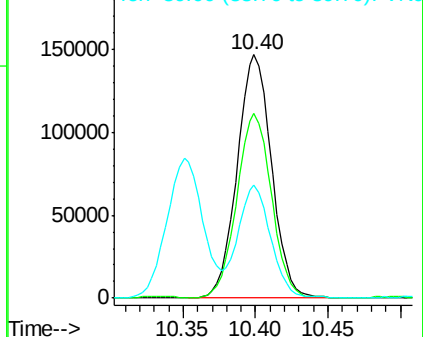
Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.4	92.2
39	44.3	36.0	54.0

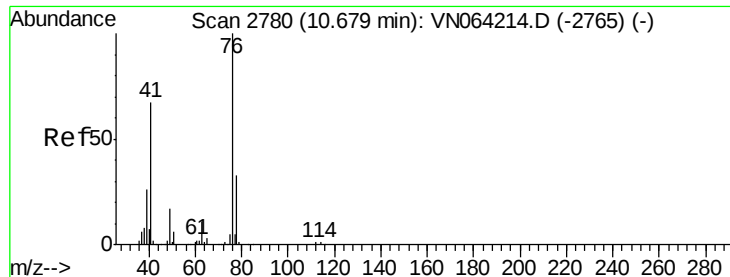


Abundance Ion 69.00 (68.70 to 69.70): VN064276.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN064276.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN064276.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 52.933 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 273224

Ion Ratio Lower Upper

76 100

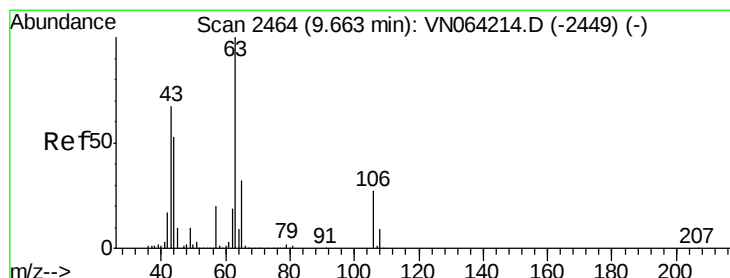
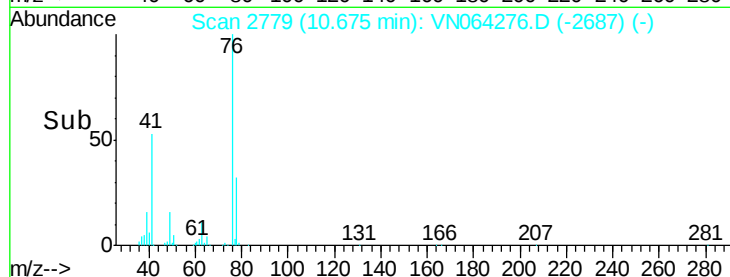
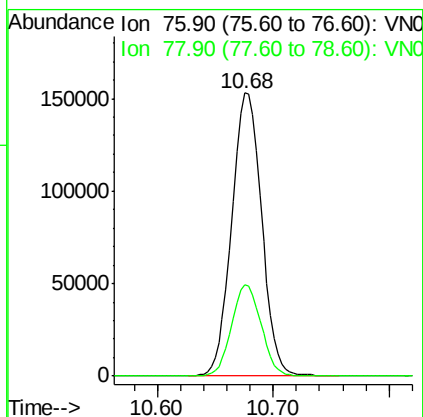
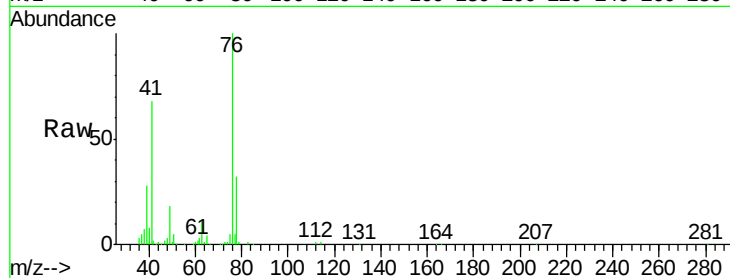
78 31.8 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 252.941 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064276.D

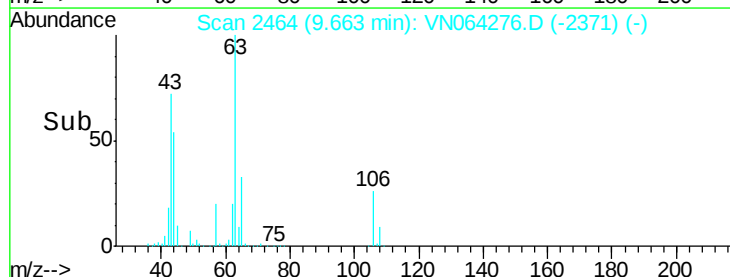
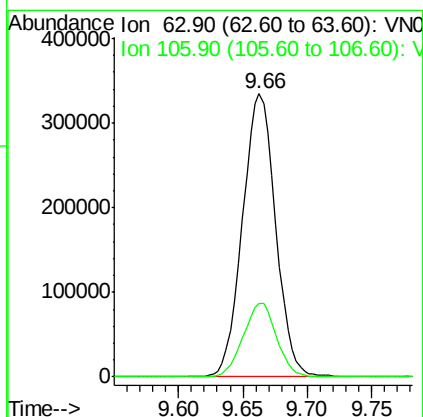
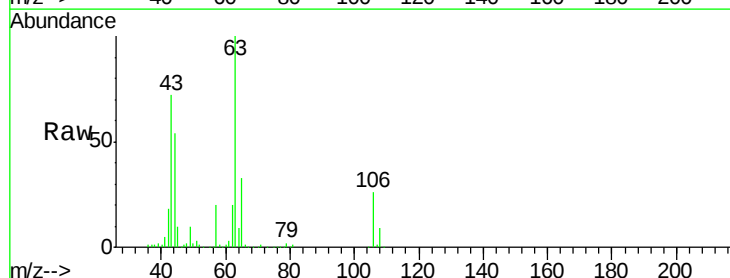
Acq: 23 Oct 2020 1:35

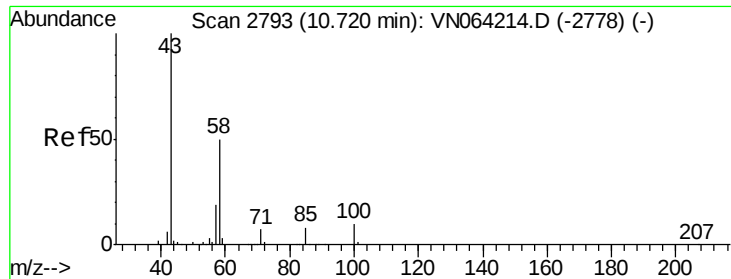
Tgt Ion: 63 Resp: 598470

Ion Ratio Lower Upper

63 100

106 26.3 21.3 31.9





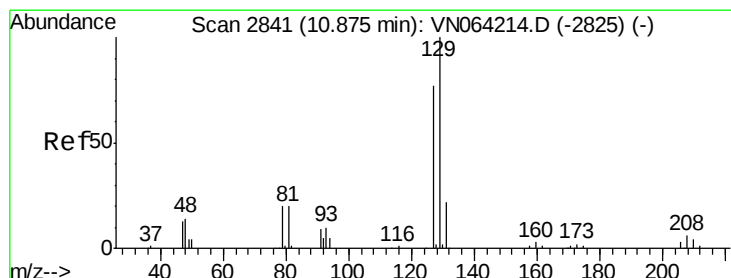
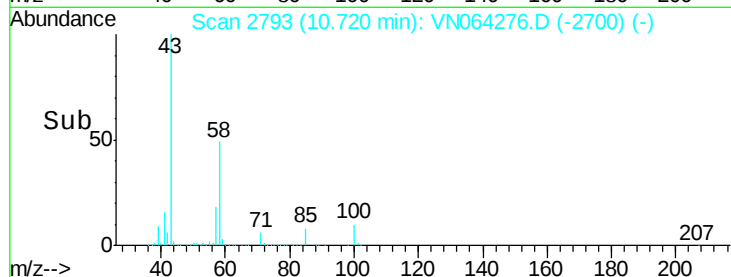
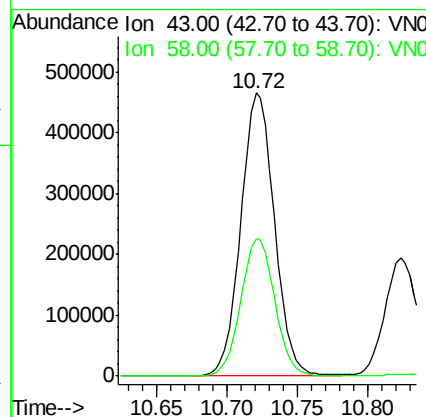
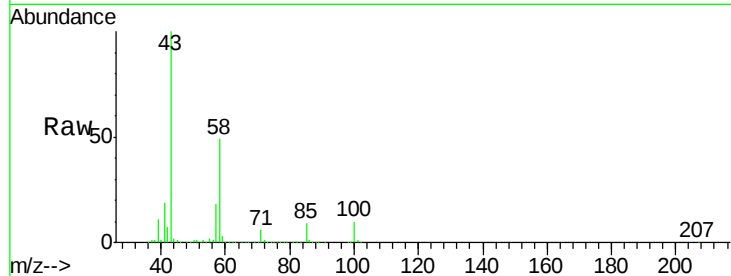
#59
2-Hexanone
Concen: 263.402 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	774930
Ion Ratio	43	100	
Lower	58	49.3	24.8
Upper			74.3

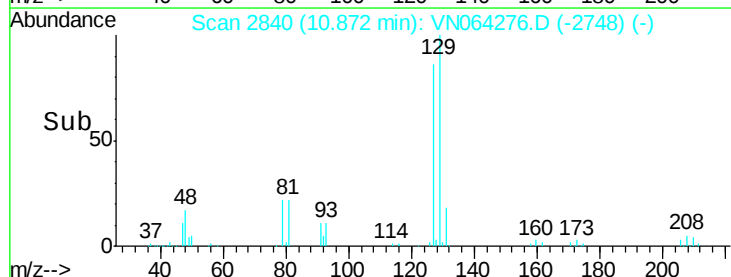
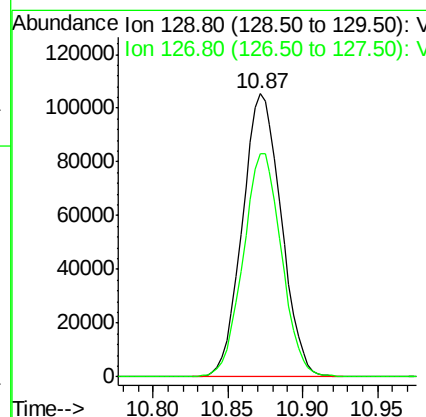
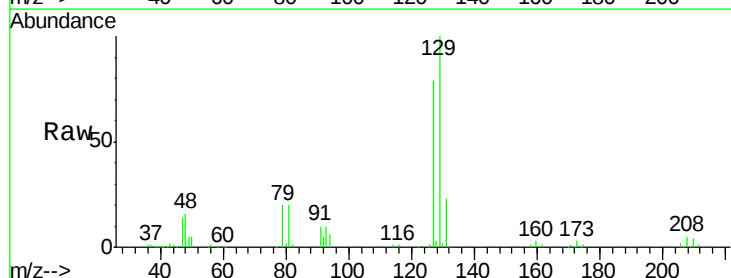
Manual Integrations
APPROVED

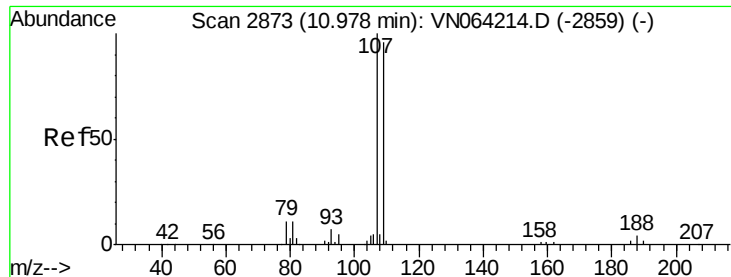
MMDadoda
10/23/2020 3:36:44 PM



#60
Dibromochloromethane
Concen: 49.591 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	129	Resp	190773
Ion Ratio	129	100	
Lower	127	77.8	38.8
Upper			116.3





#61

1,2-Dibromoethane

Concen: 52.784 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 165518

Ion Ratio Lower Upper

107 100

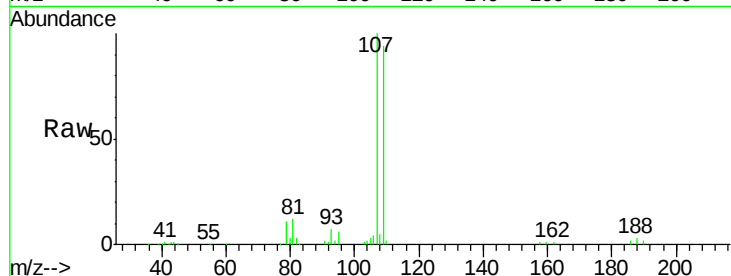
109 94.4 76.2 114.4

Manual Integrations

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MMDadoda

10/23/2020 3:36:44 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

100000

80000

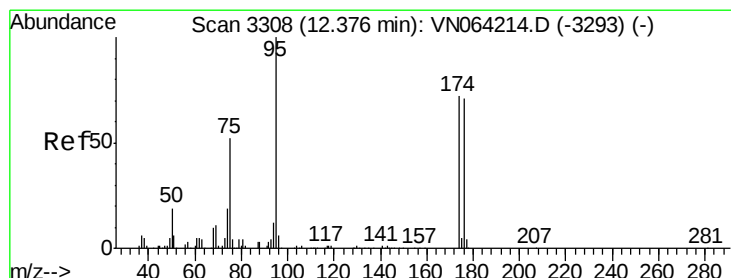
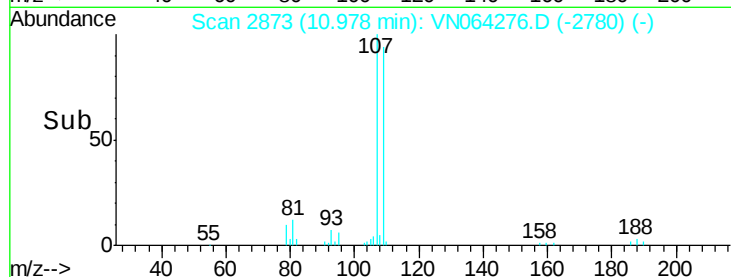
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.366 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

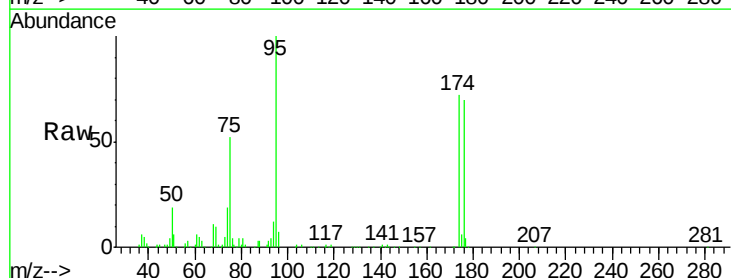
Tgt Ion: 95 Resp: 215659

Ion Ratio Lower Upper

95 100

174 72.0 0.0 144.4

176 70.5 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

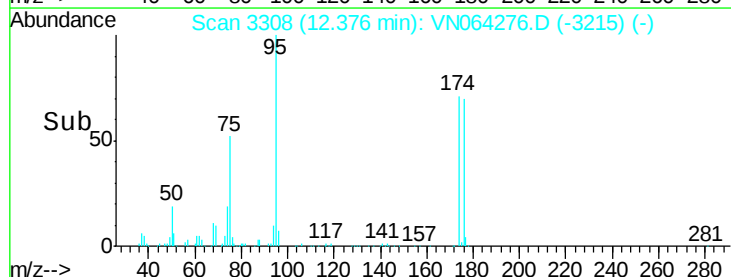
150000

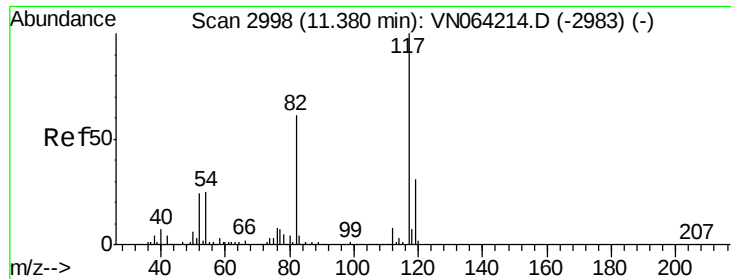
100000

50000

0

Time-->





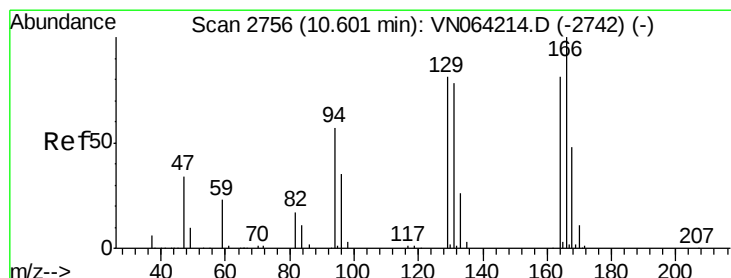
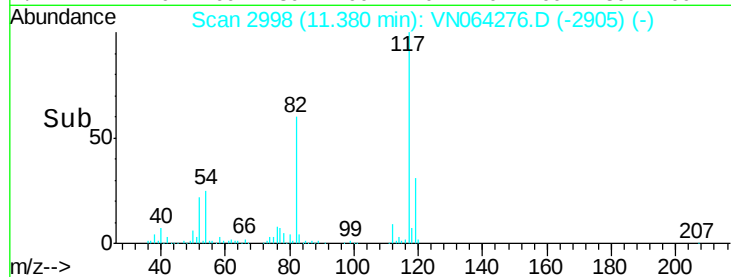
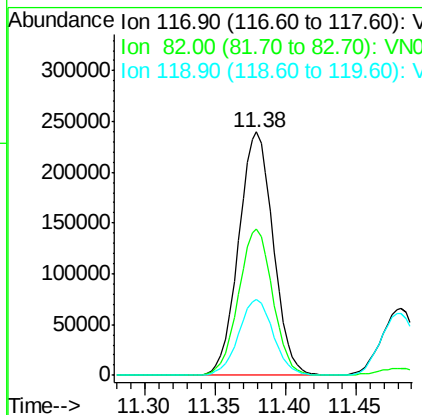
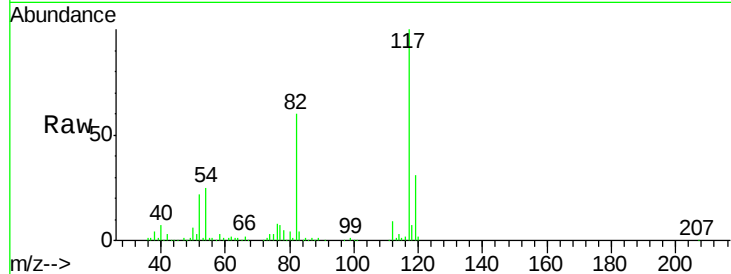
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	412006		
82	60.1	48.8	73.2	
119	31.0	24.7	37.1	

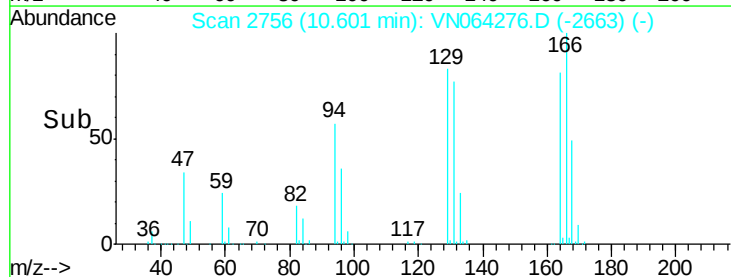
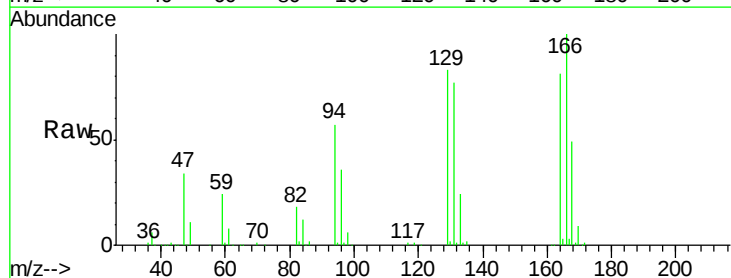
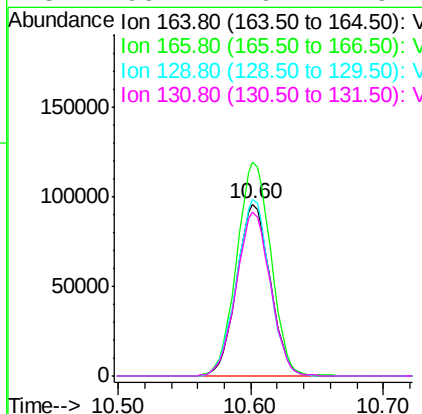
Manual Integrations
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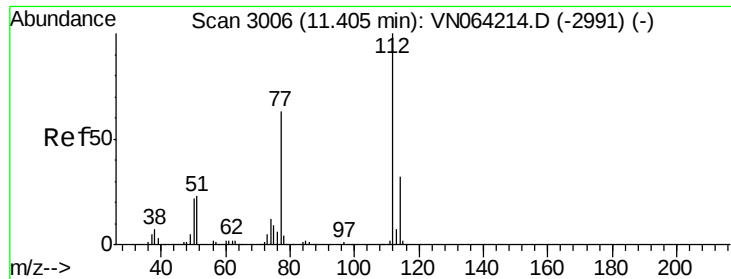
MMDadoda
10/23/2020 3:36:44 PM



#64
Tetrachloroethene
Concen: 50.839 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	168628		
166	124.1	98.9	148.3	
129	102.9	79.9	119.9	
131	95.4	76.7	115.1	





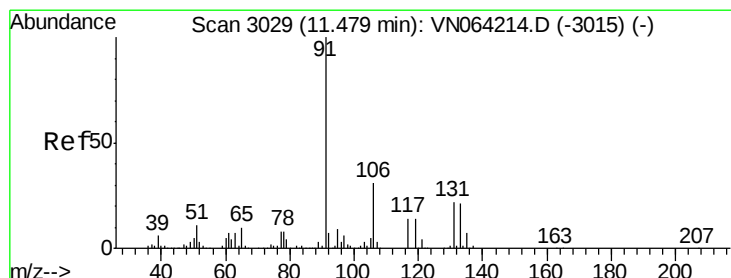
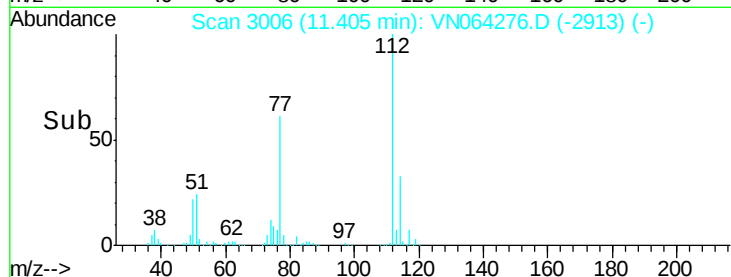
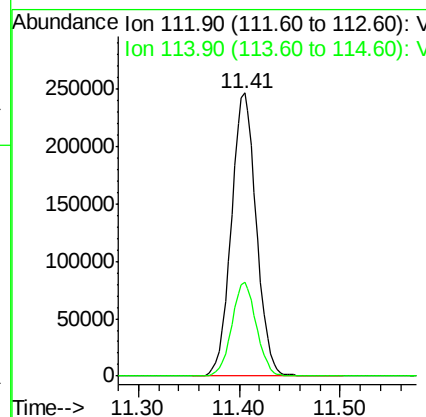
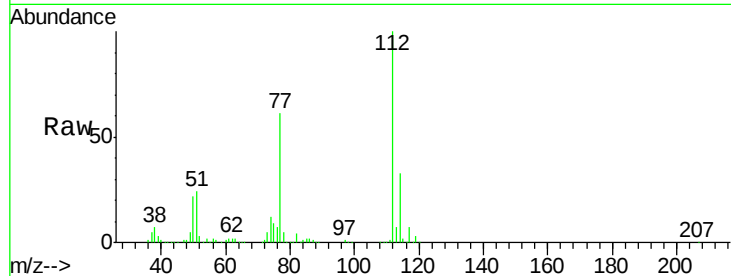
#65
Chlorobenzene
Concen: 50.024 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 426614
Ion Ratio Lower Upper
112 100
114 33.3 25.7 38.5

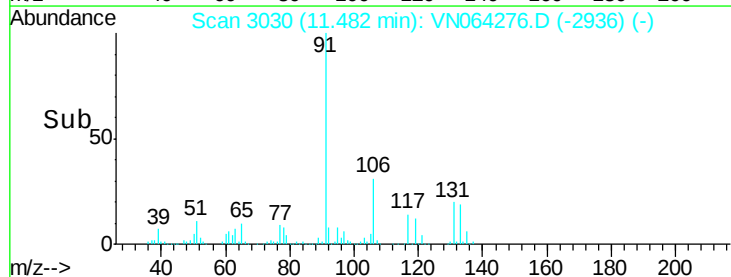
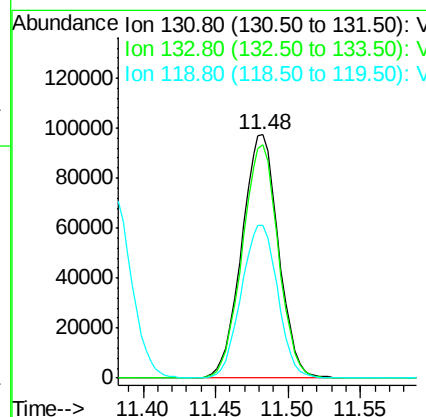
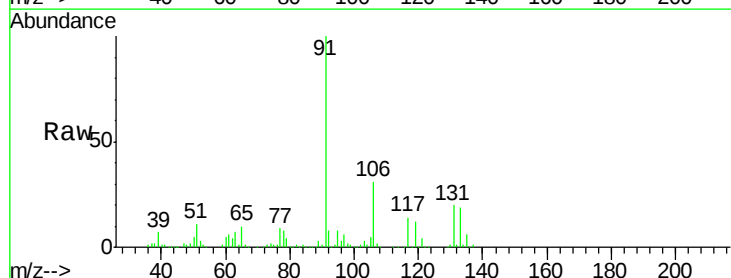
Manual Integrations
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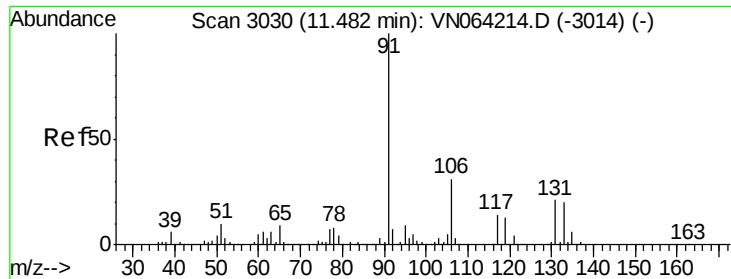
MMDadoda
10/23/2020 3:36:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.713 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion:131 Resp: 171674
Ion Ratio Lower Upper
131 100
133 93.8 47.8 143.4
119 62.4 32.2 96.6





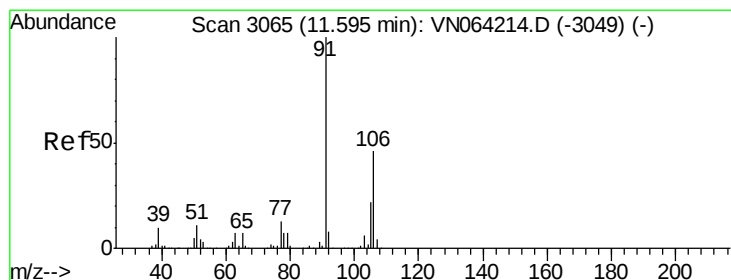
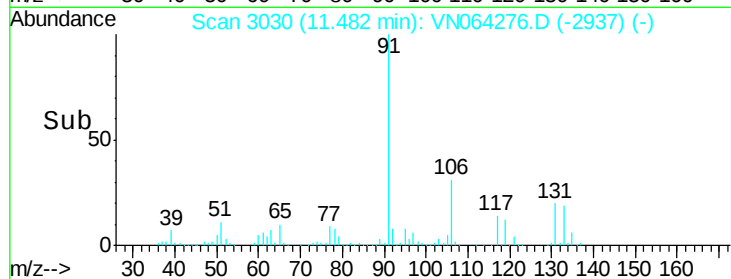
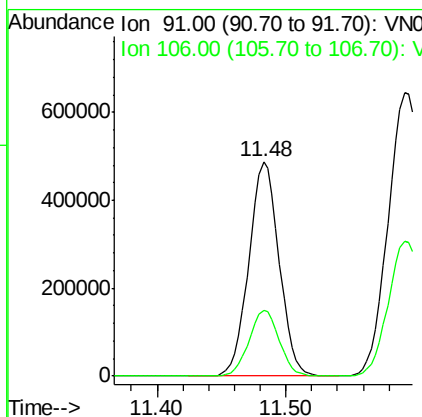
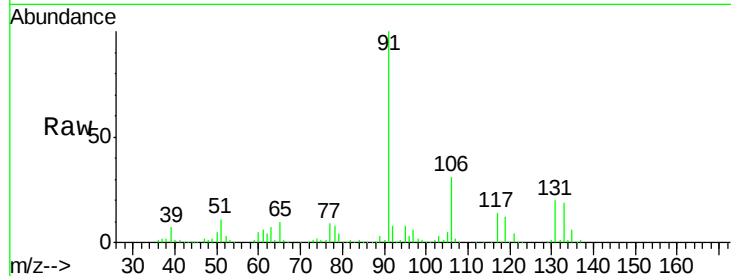
#67
Ethyl Benzene
Concen: 50.877 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 797392
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

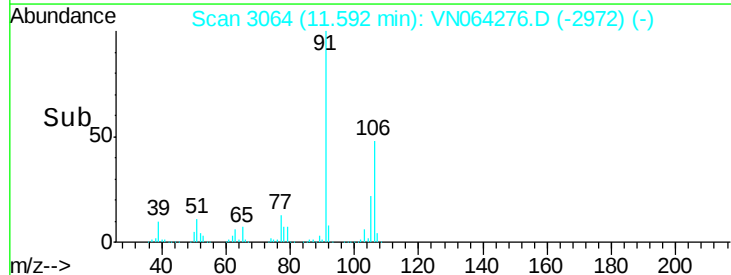
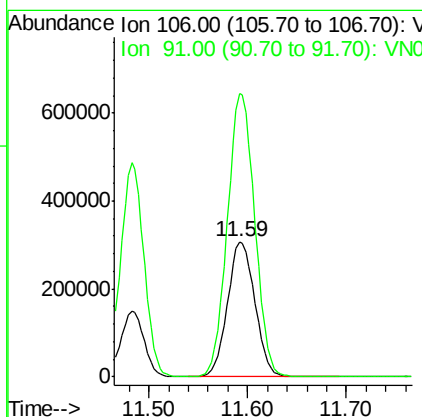
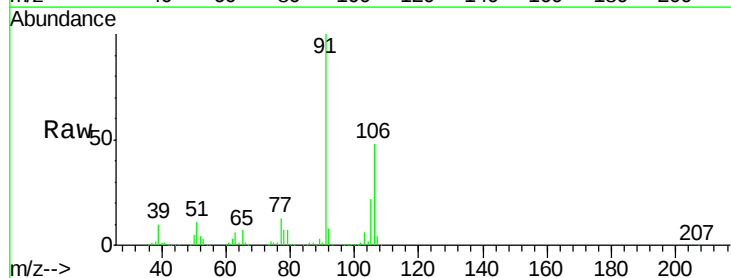
Manual Integrations
APPROVED

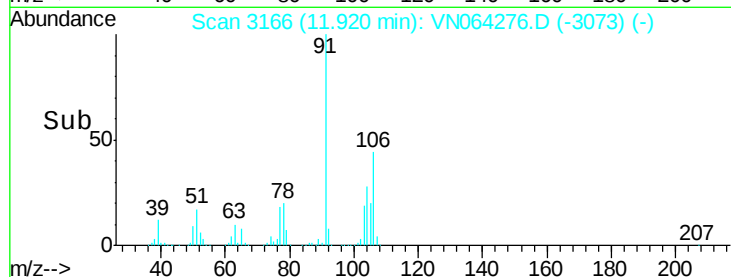
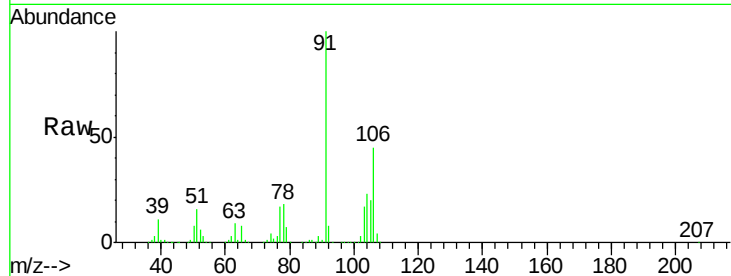
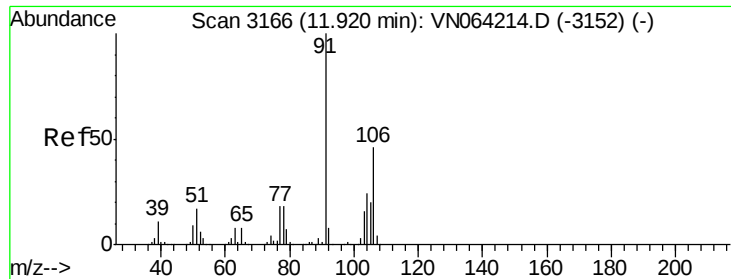
MMDadoda
10/23/2020 3:36:44 PM



#68
m/p-Xylenes
Concen: 102.472 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion: 106 Resp: 595047
Ion Ratio Lower Upper
106 100
91 209.9 172.2 258.2





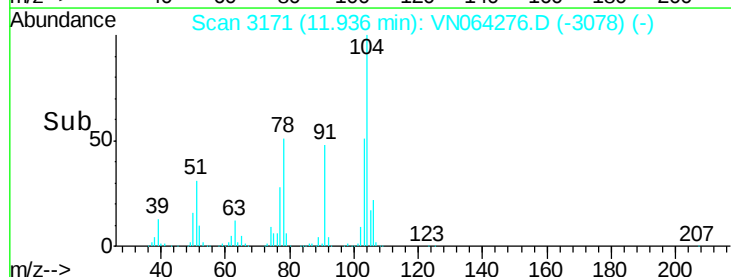
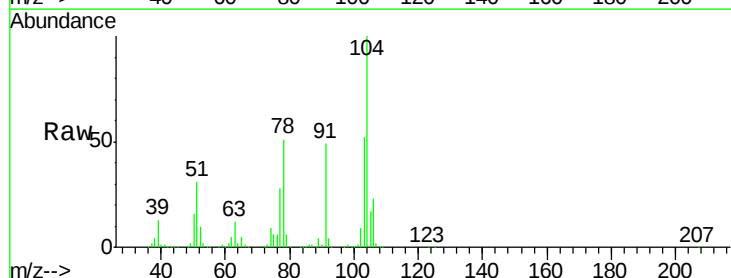
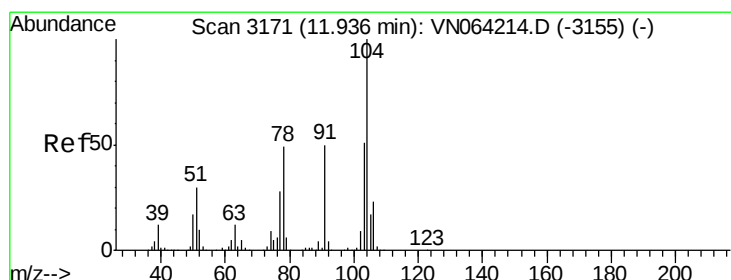
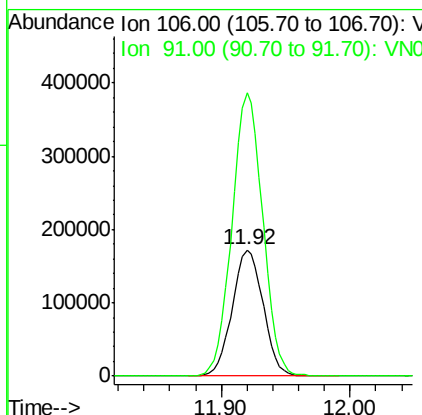
#69
o-Xylene
Concen: 51.027 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tot Ion:106 Resp: 286576
Ion Ratio Lower Upper
106 100
91 223.1 109.9 329.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

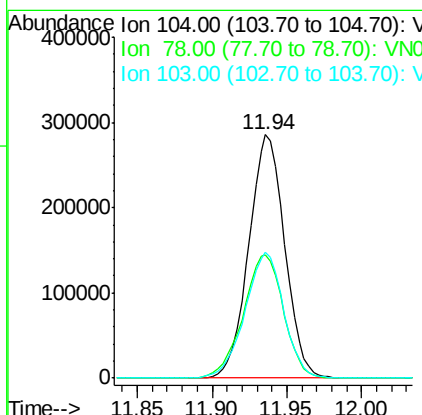
Manual Integrations
APPROVED

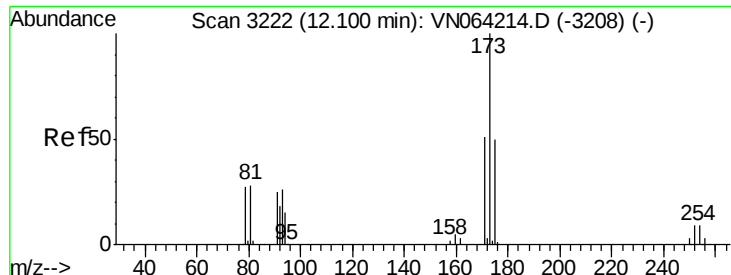
MMDadoda
10/23/2020 3:36:44 PM



#70
Styrene
Concen: 50.804 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion:104 Resp: 478257
Ion Ratio Lower Upper
104 100
78 56.7 43.8 65.6
103 55.6 43.4 65.2





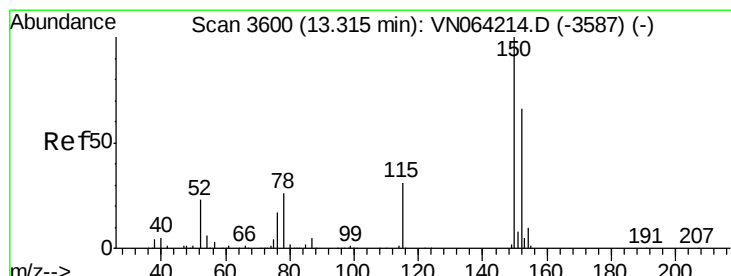
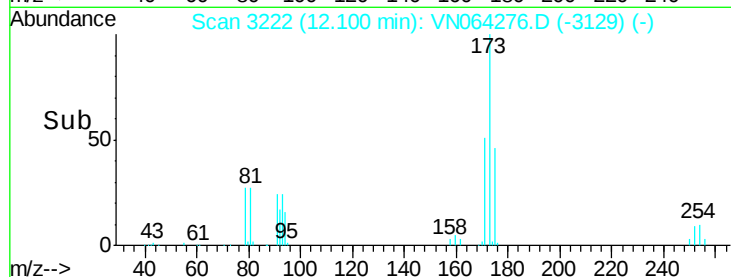
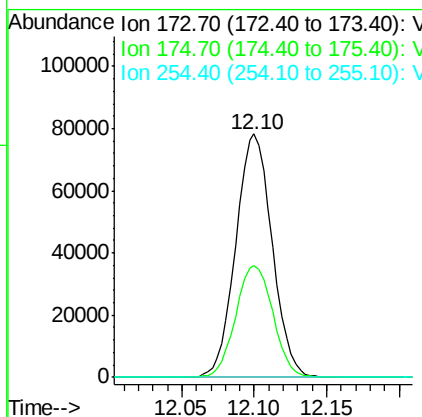
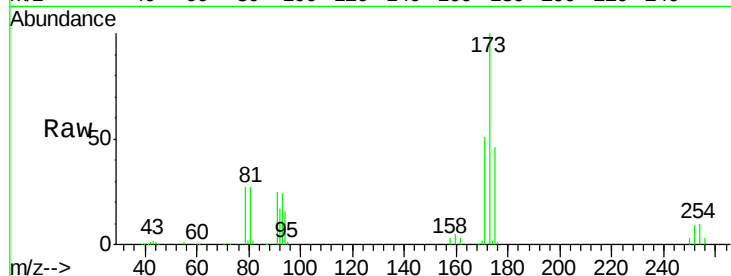
#71
Bromoform
Concen: 52.106 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	25.1	75.3
254	0.0	0.0	0.0

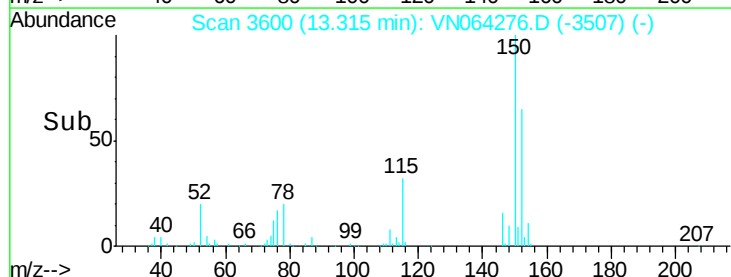
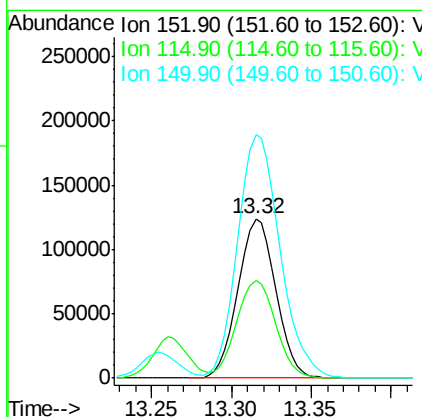
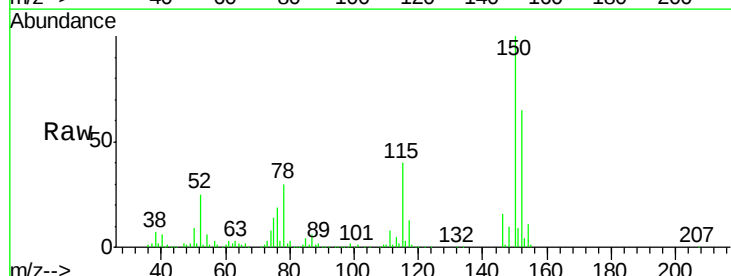
Manual Integrations
APPROVED

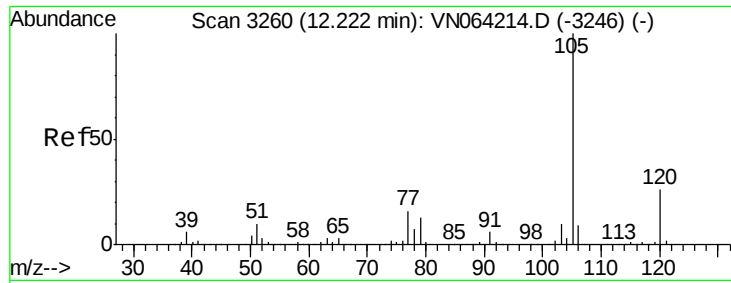
MMDadoda
10/23/2020 3:36:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	32.0	96.2
150	171.4	0.0	356.6





#73

Isopropylbenzene

Concen: 50.034 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 760158

Ion Ratio Lower Upper

105 100

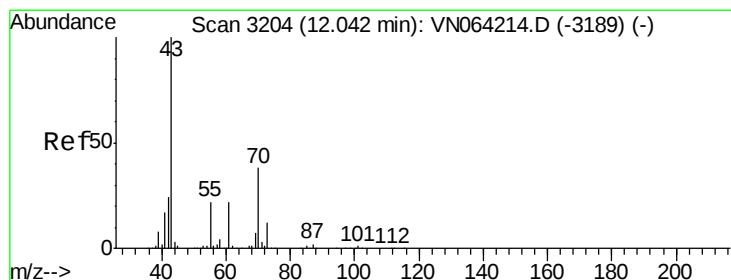
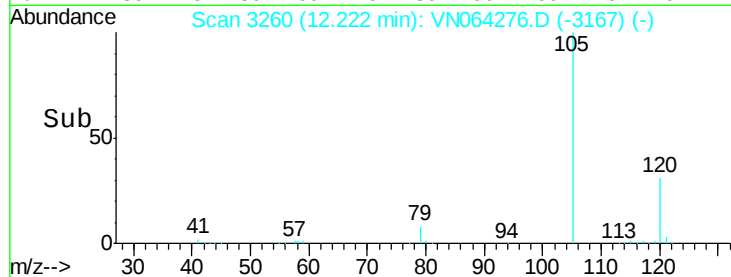
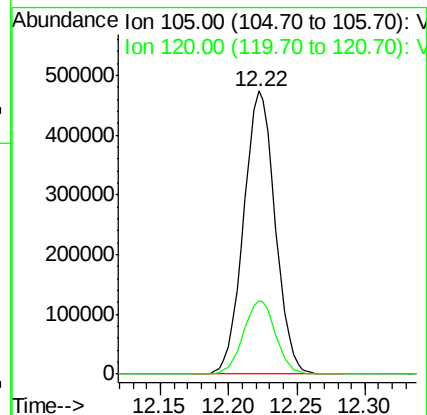
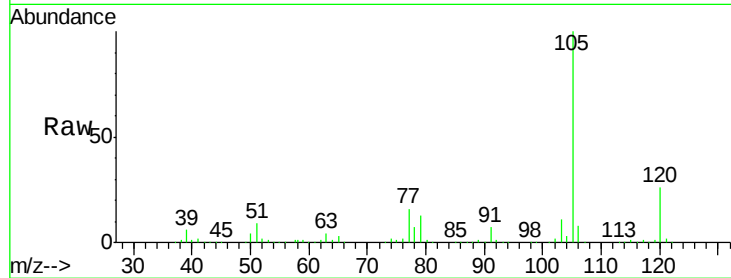
120 26.2 12.9 38.7

Manual Integrations

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MMDadoda

10/23/2020 3:36:44 PM



#74

N-ethyl acetate

Concen: 51.281 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion: 43 Resp: 336645

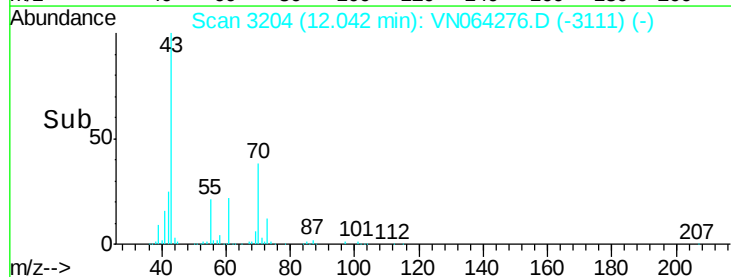
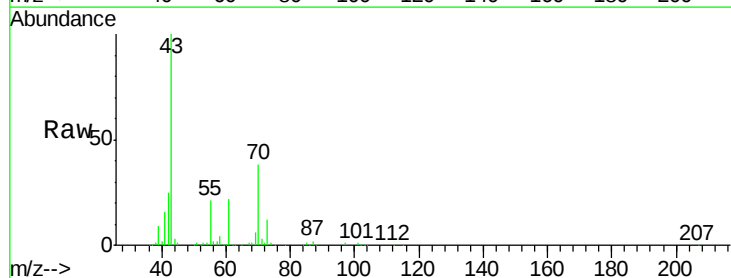
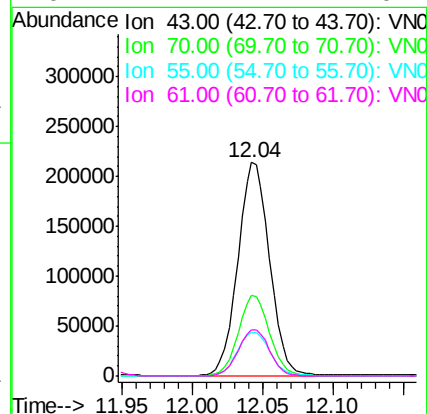
Ion Ratio Lower Upper

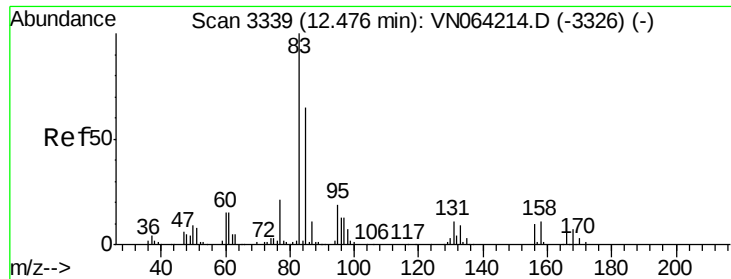
43 100

70 37.3 30.2 45.4

55 21.5 18.0 27.0

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.827 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 204918

Ion Ratio Lower Upper

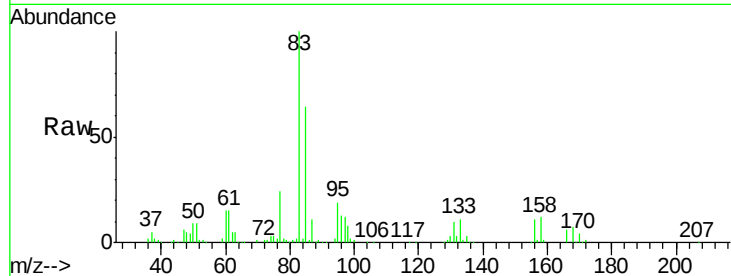
83 100

131 10.8 5.5 16.7

85 64.2 32.4 97.0

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

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

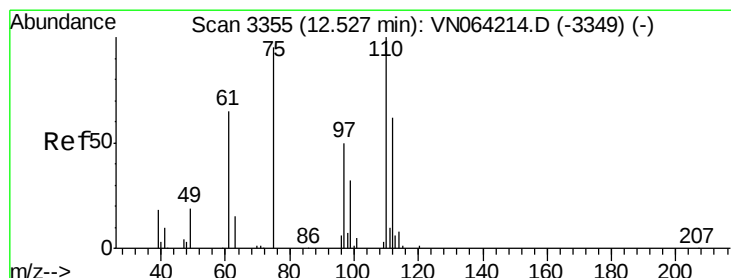
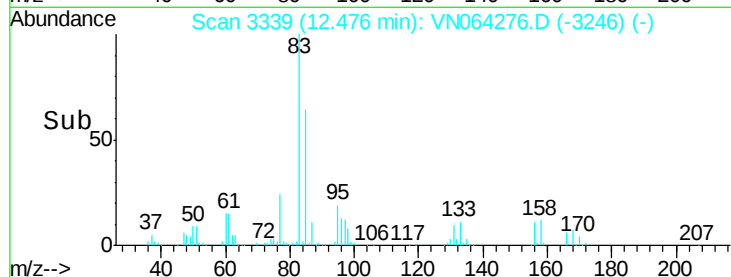
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 51.589 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064276.D

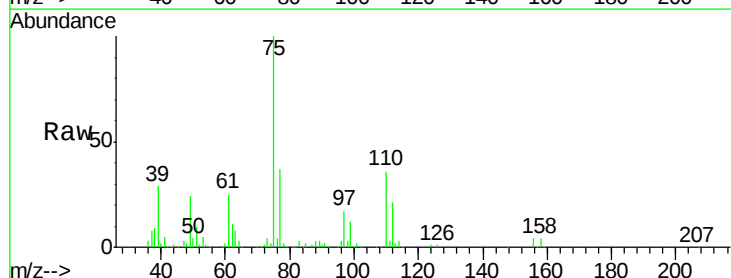
Acq: 23 Oct 2020 1:35

Tgt Ion: 75 Resp: 216644

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

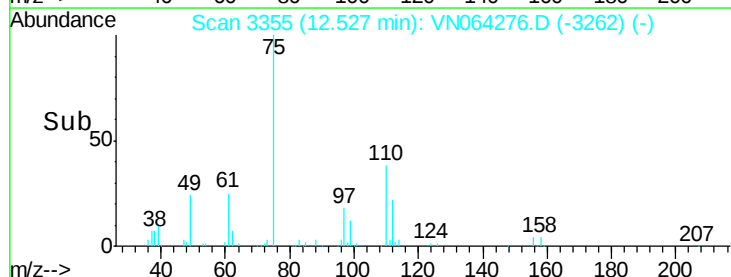
150000

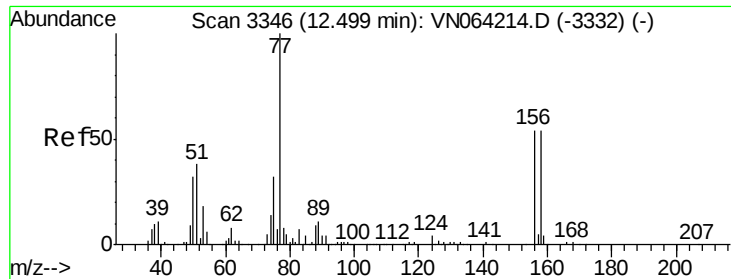
100000

50000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 51.812 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

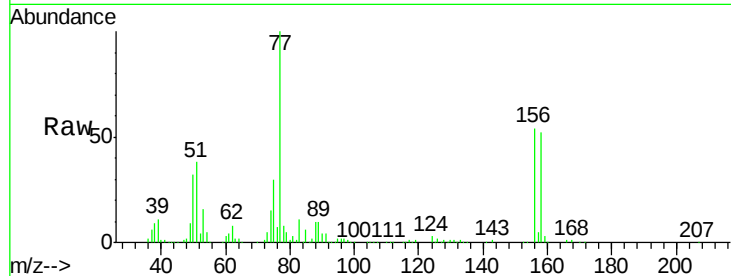
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.9	111.1	333.4
158	97.5	50.0	150.1

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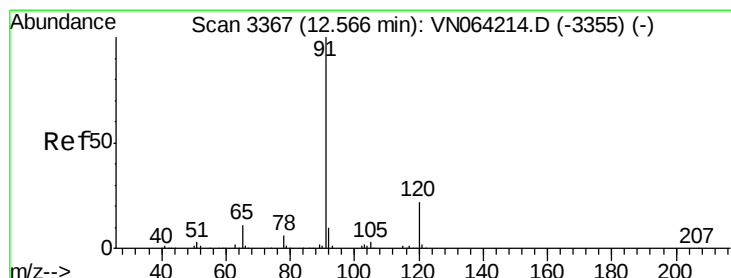
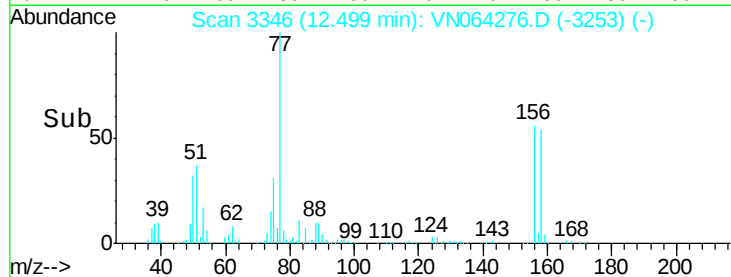
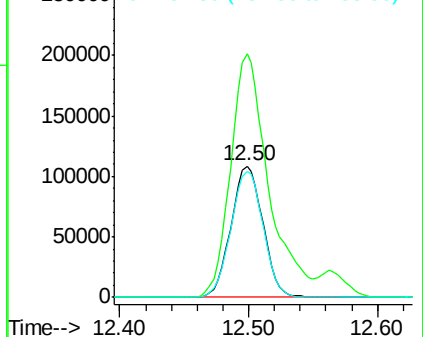
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.492 ug/l

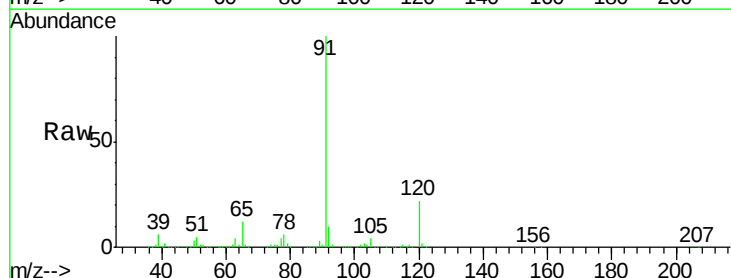
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064276.D

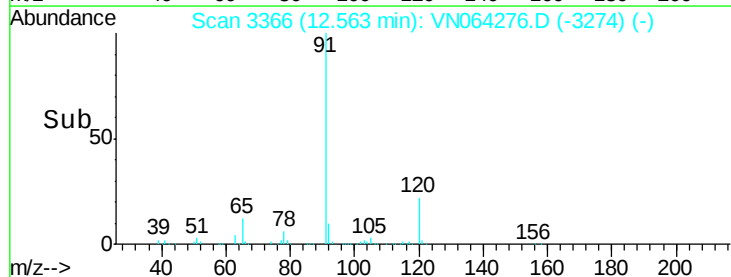
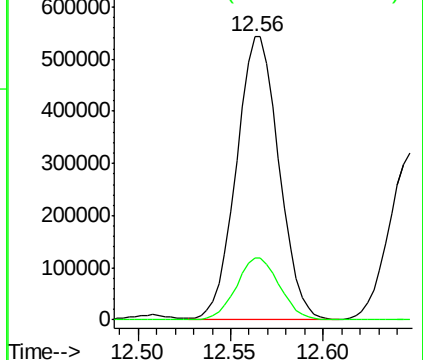
Acq: 23 Oct 2020 1:35

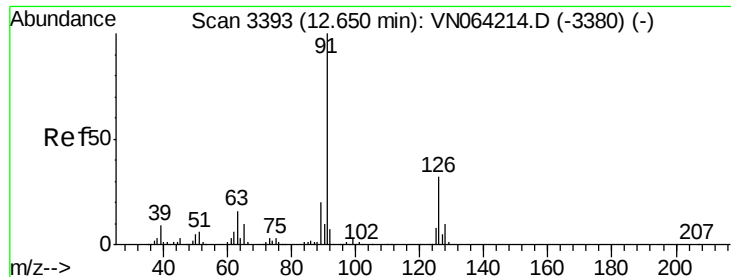
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.746 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 533920

Ion Ratio Lower Upper

91 100

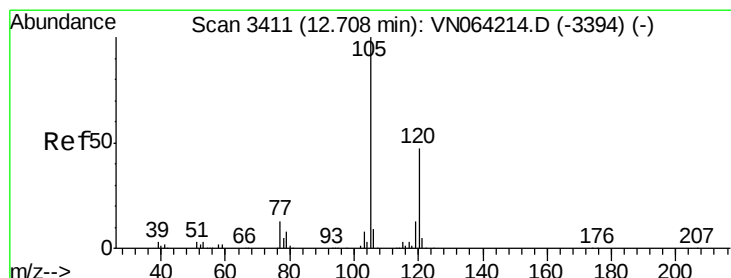
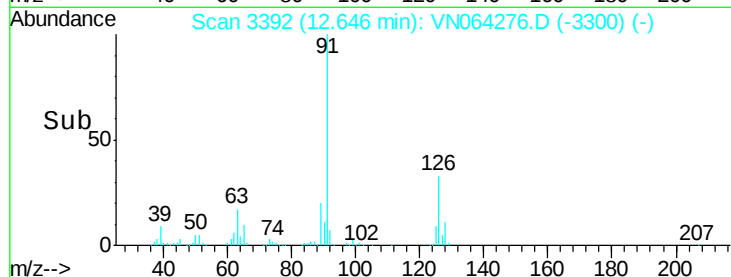
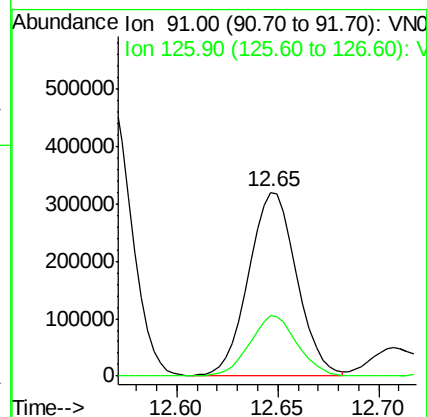
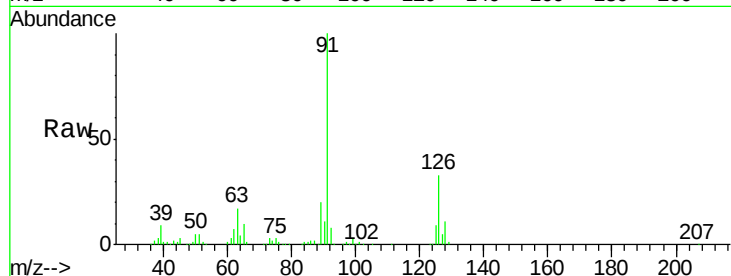
126 32.5 16.0 48.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.020 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064276.D

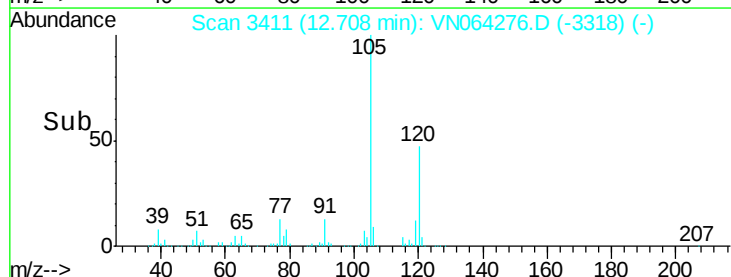
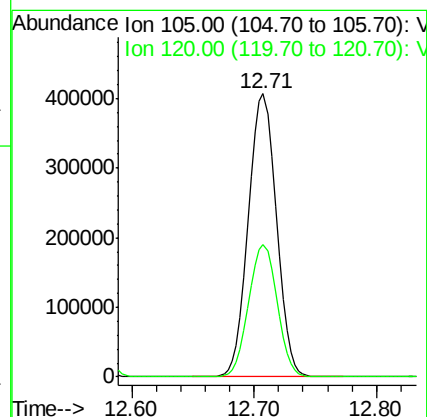
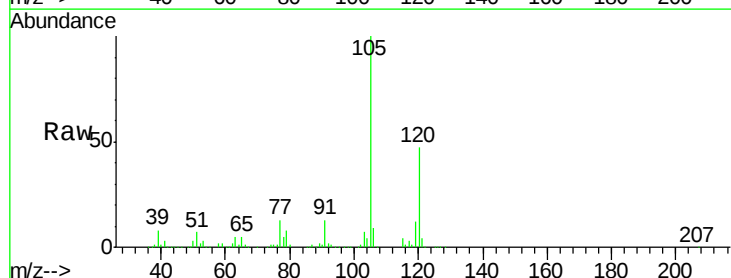
Acq: 23 Oct 2020 1:35

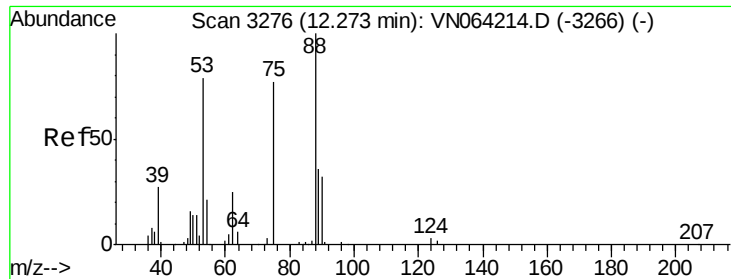
Tgt Ion: 105 Resp: 642457

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.825 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Instrument :

MSVOA_N

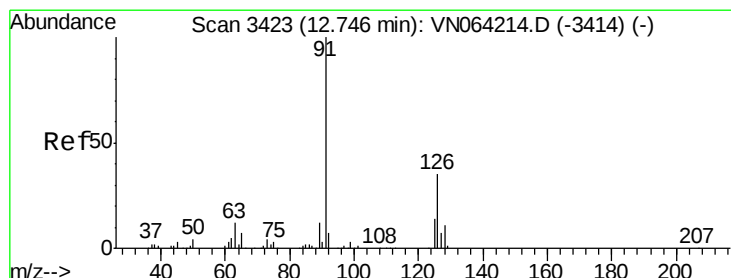
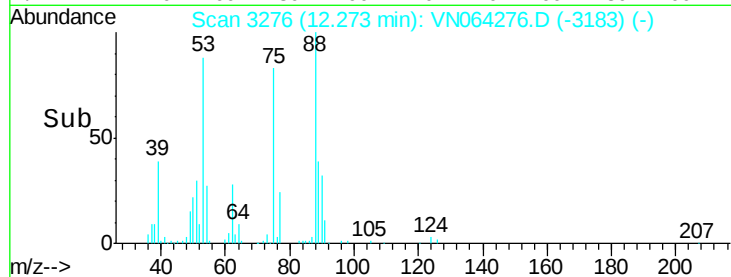
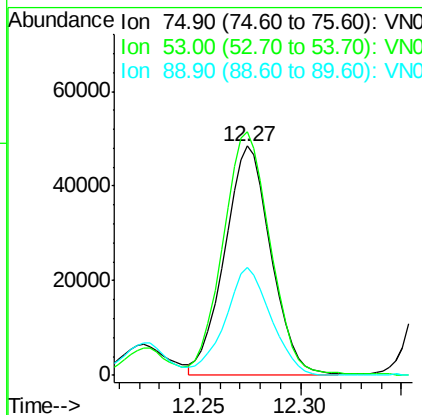
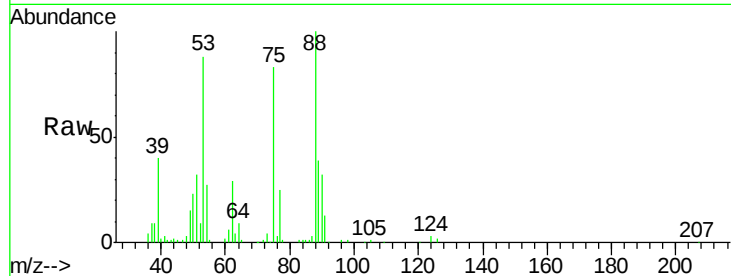
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	77884
Ion Ratio	Lower	Upper	
75	100		
53	107.5	81.0	121.4
89	46.5	38.7	58.1

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#82

4-Chlorotoluene

Concen: 51.475 ug/l

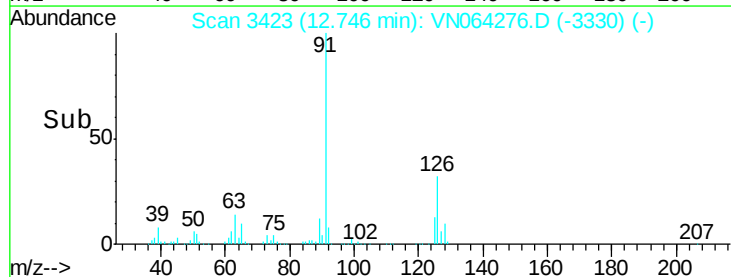
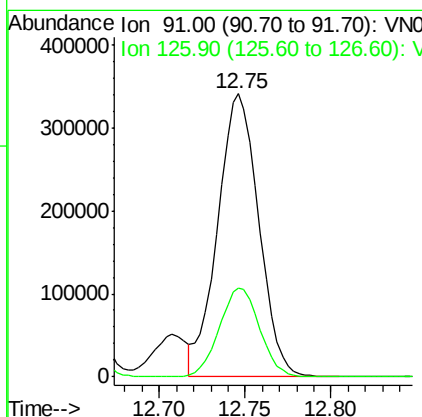
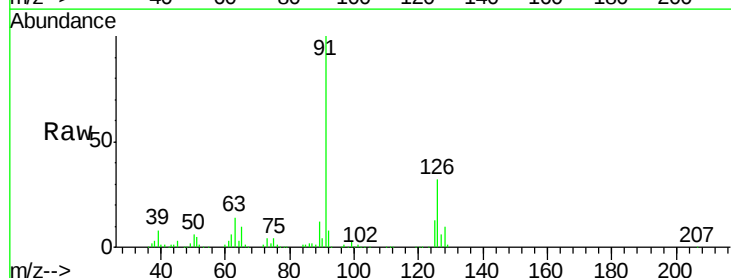
RT: 12.75 min Scan# 3423

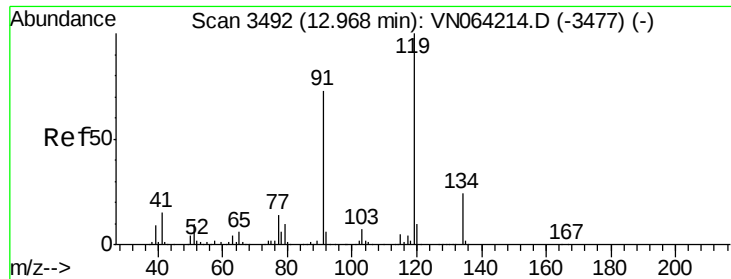
Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion:	91	Resp:	564934
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.8	47.3





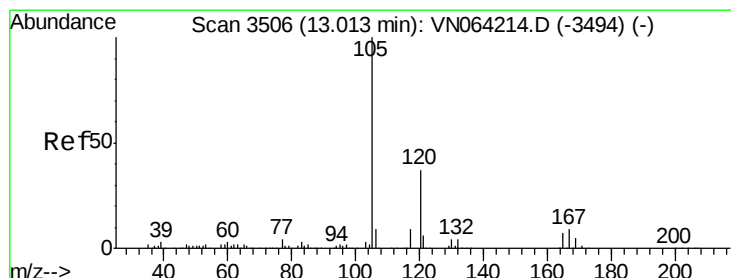
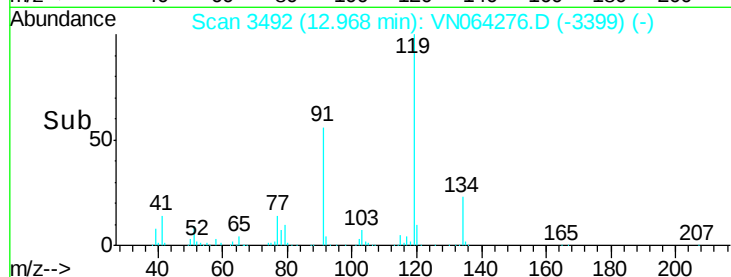
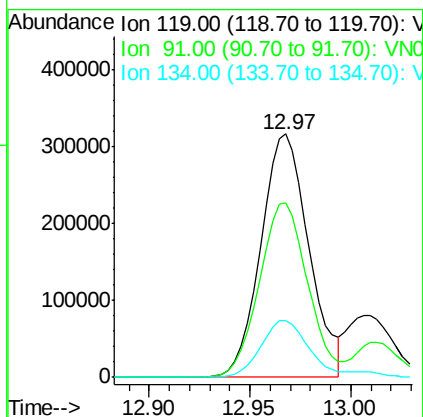
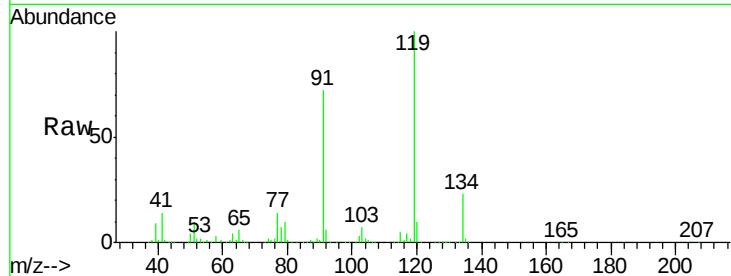
#83
tert-Butylbenzene
Concen: 49.758 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.4	35.1	105.3
134	24.7	11.6	34.8

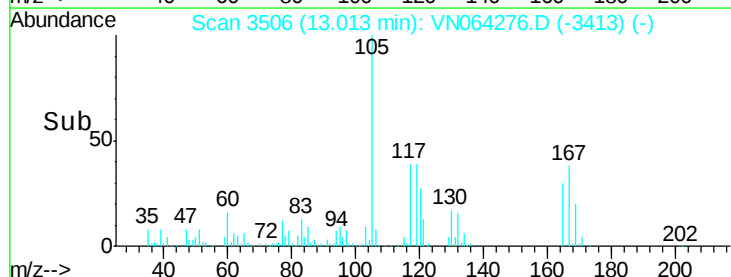
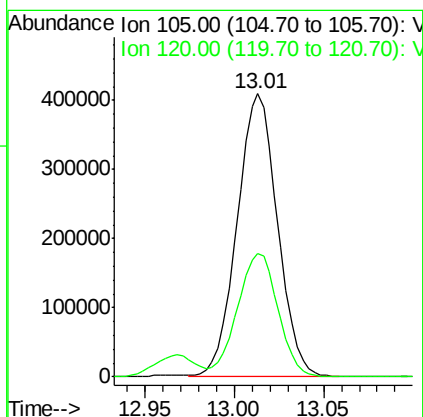
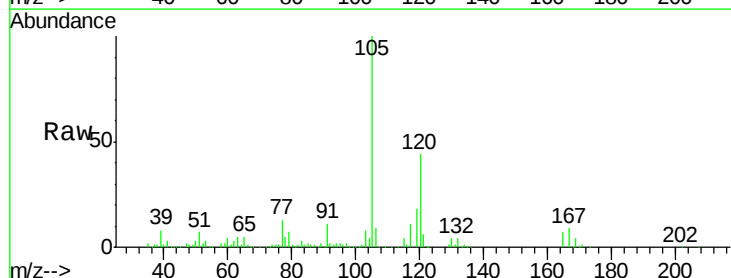
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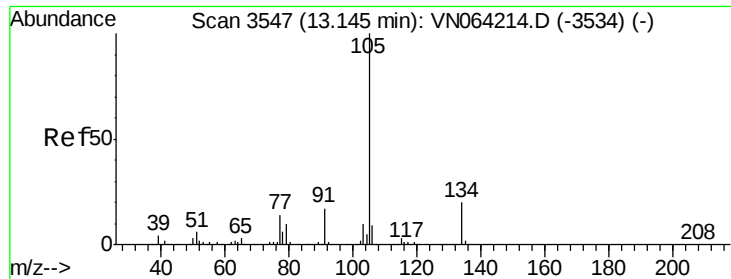
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#84
1,2,4-Trimethylbenzene
Concen: 50.355 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.5	64.5





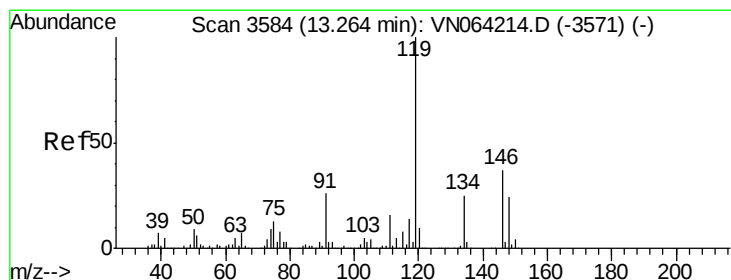
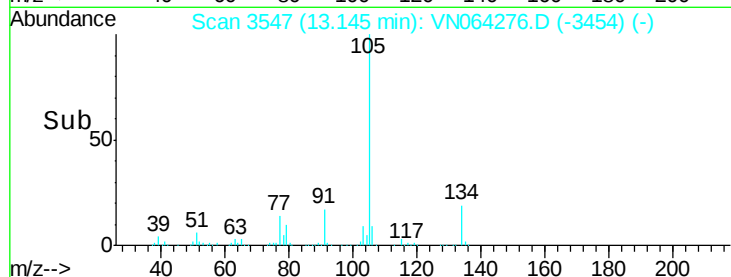
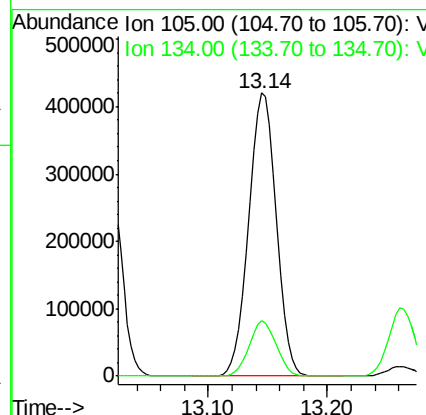
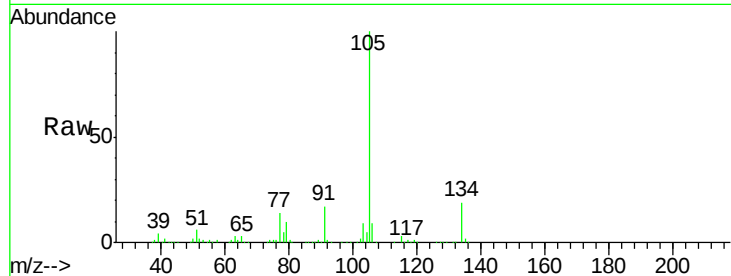
#85
 sec-Butylbenzene
 Concen: 50.830 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

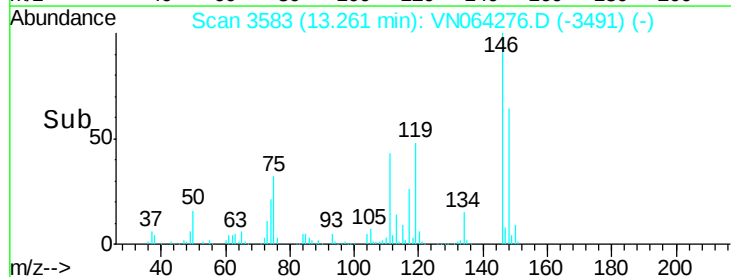
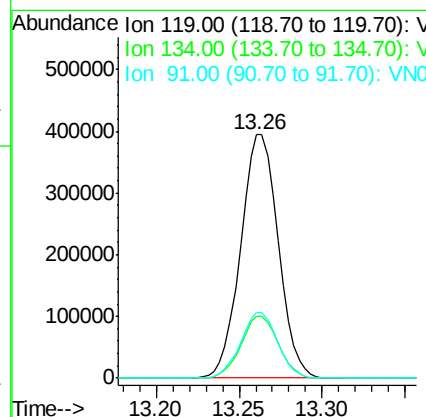
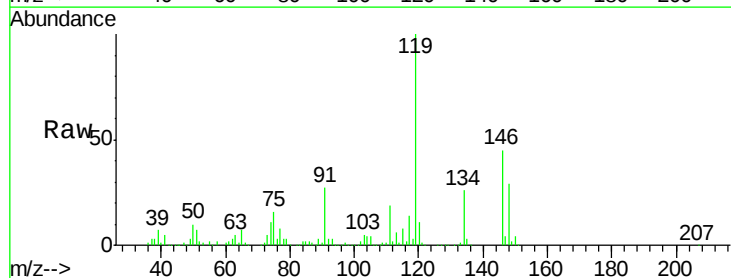
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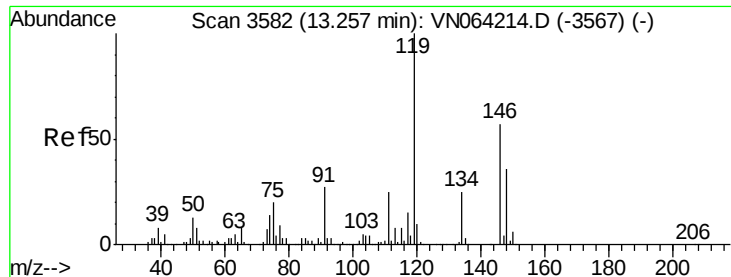
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#86
 p-Isopropyltoluene
 Concen: 51.283 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	26.5	13.4	40.2





#87

1,3-Dichlorobenzene

Concen: 50.901 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064276.D

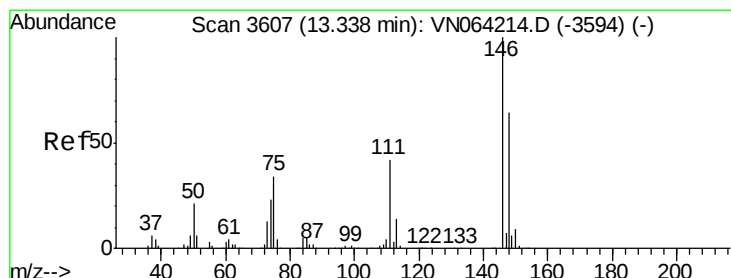
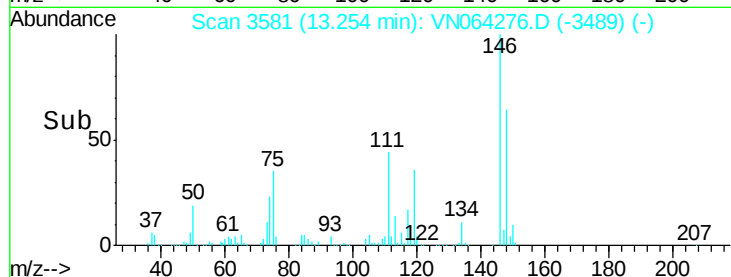
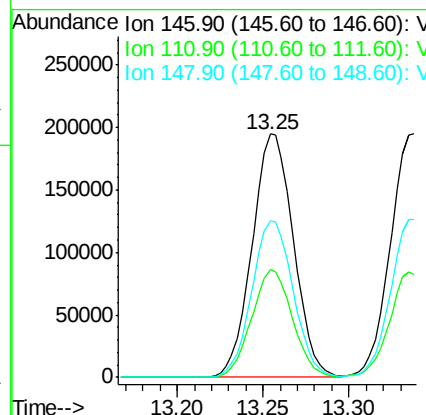
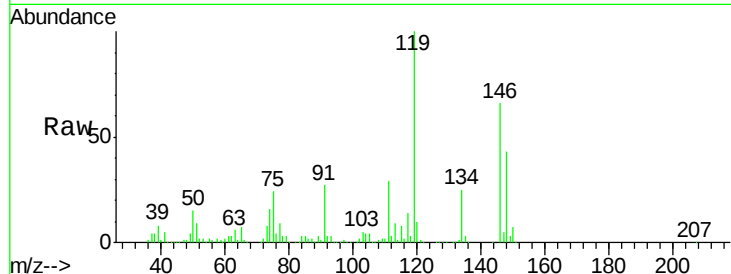
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.4	21.6	65.0	
148	64.2	31.7	95.1	

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#88

1,4-Dichlorobenzene

Concen: 50.143 ug/l

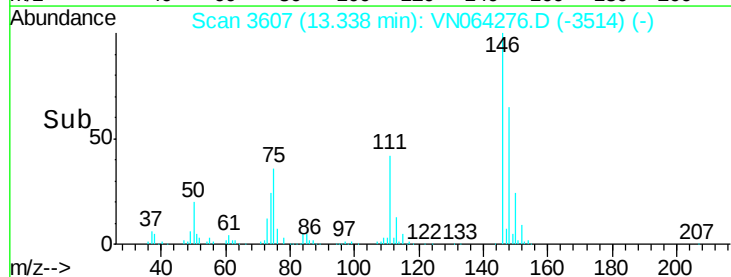
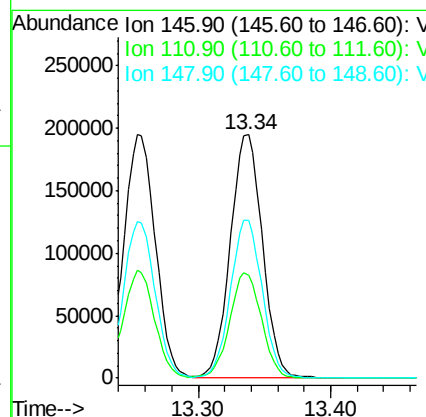
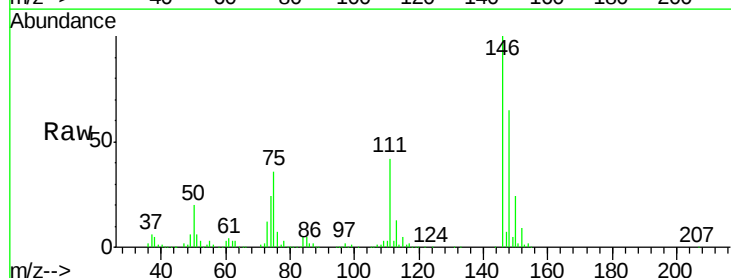
RT: 13.34 min Scan# 3607

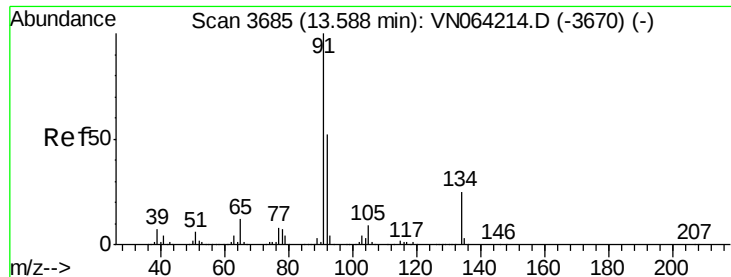
Delta R.T. 0.00 min

Lab File: VN064276.D

Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.7	21.5	64.5	
148	63.8	32.0	96.0	





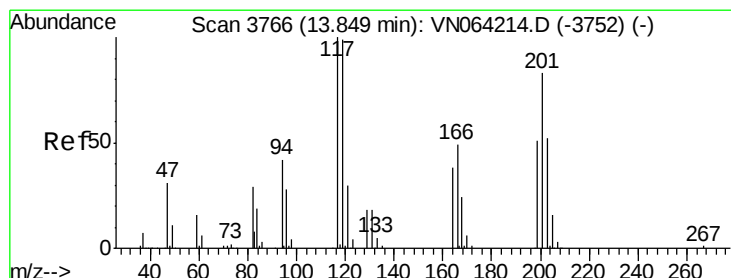
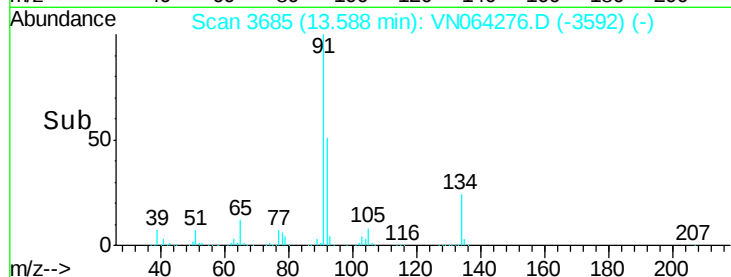
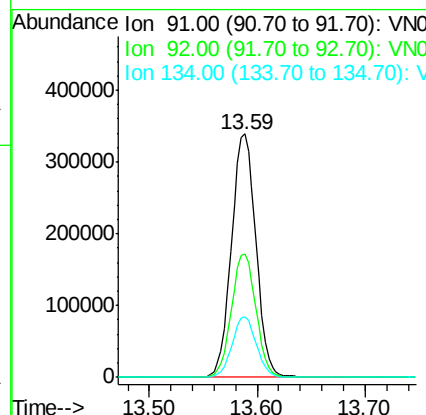
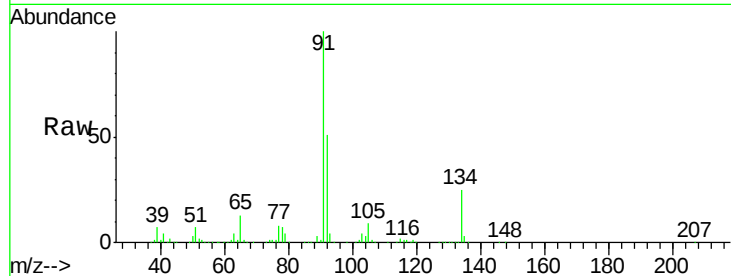
#89
n-Butylbenzene
Concen: 49.210 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.0
134	24.6	12.3	36.8

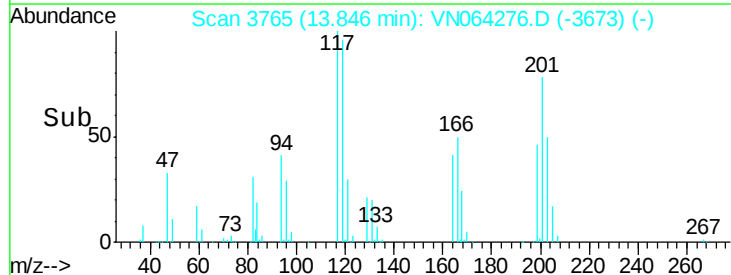
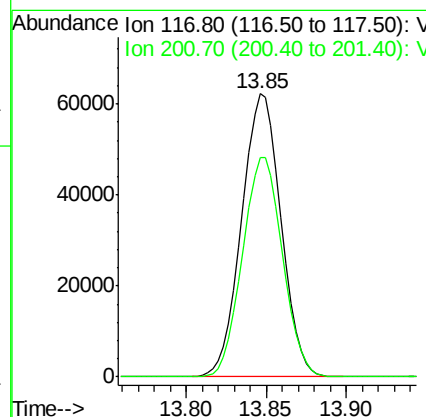
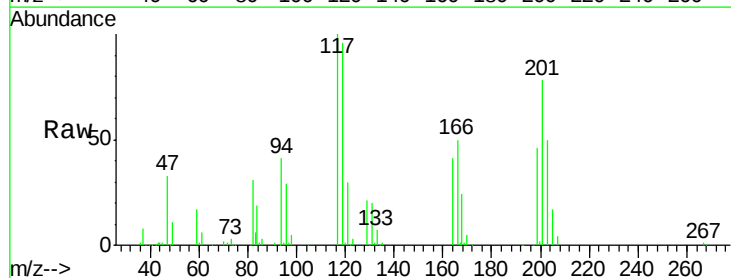
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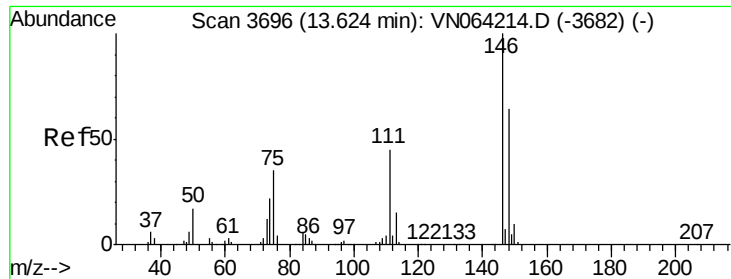
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#90
Hexachloroethane
Concen: 47.678 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	40.1	120.3





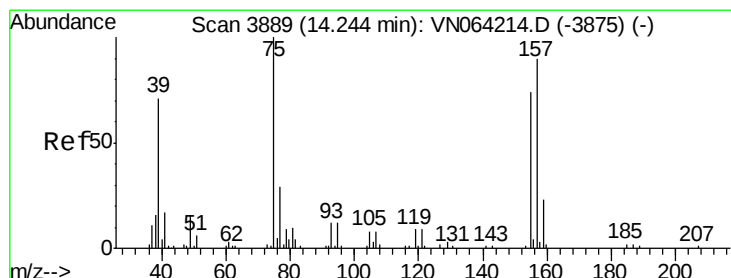
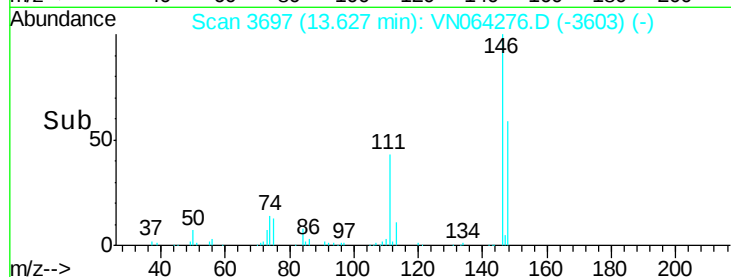
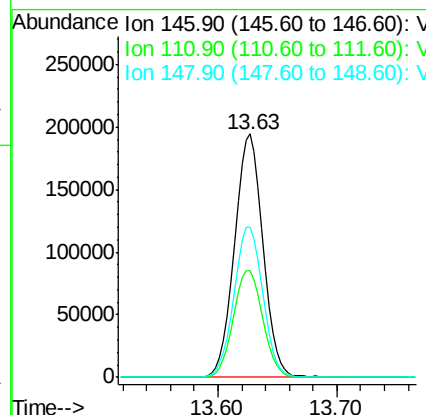
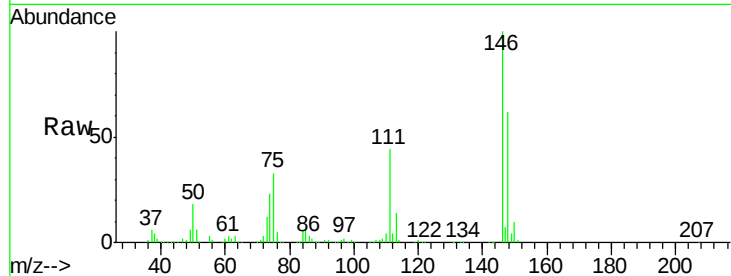
#91
 1,2-Dichlorobenzene
 Concen: 51.325 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.7
148	62.9	31.9	95.5

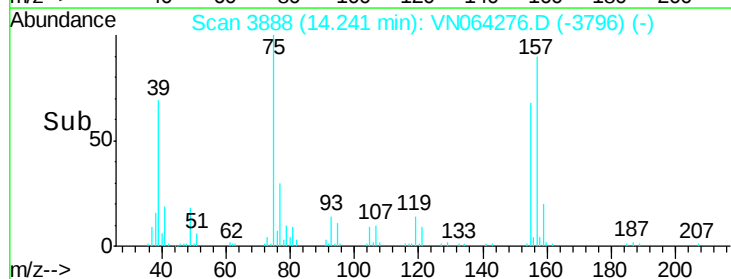
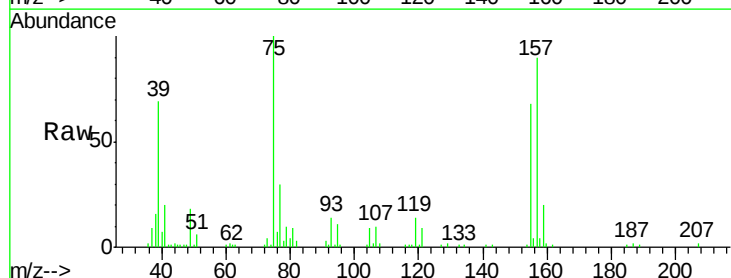
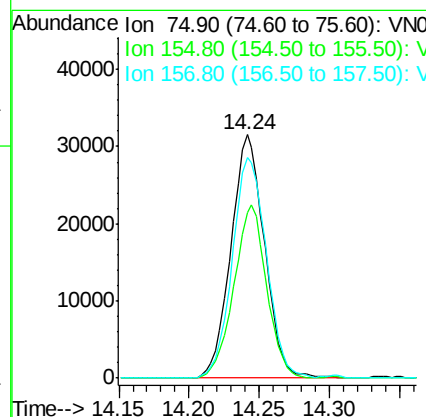
Manual Integrations
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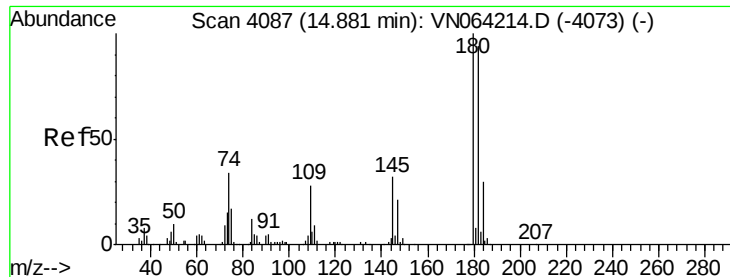
MMDadoda
 10/23/2020 3:36:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.136 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	36.9	110.7
157	92.2	44.6	133.8





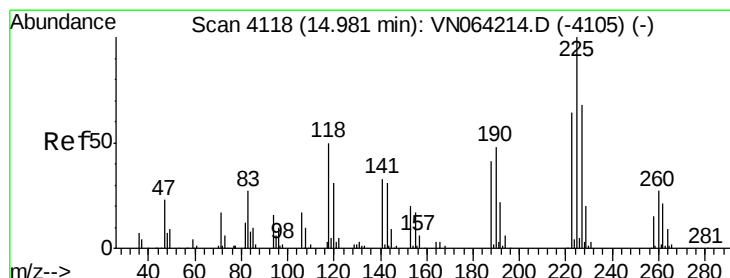
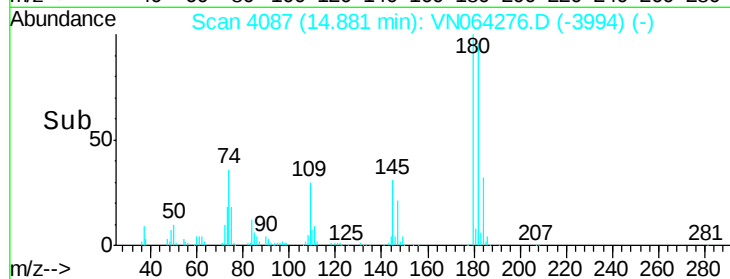
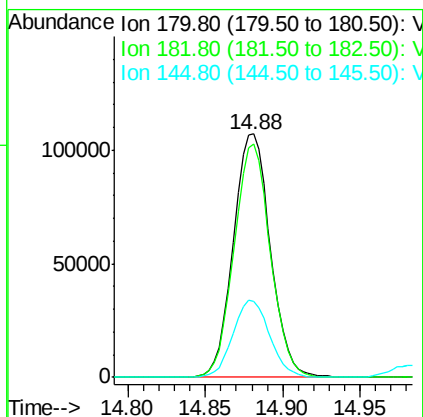
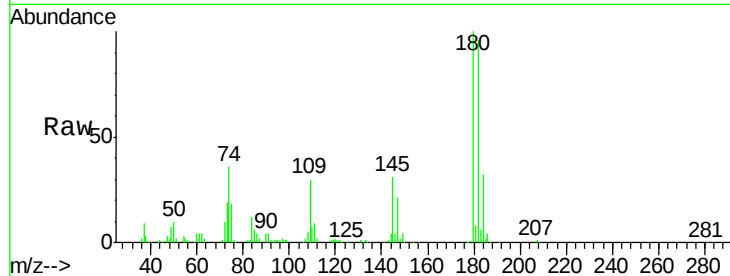
#93
 1,2,4-Trichlorobenzene
 Concen: 50.546 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177493		
182	94.0	46.9	140.7	
145	31.6	16.1	48.3	

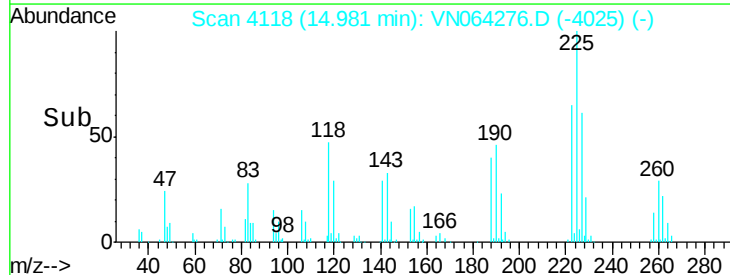
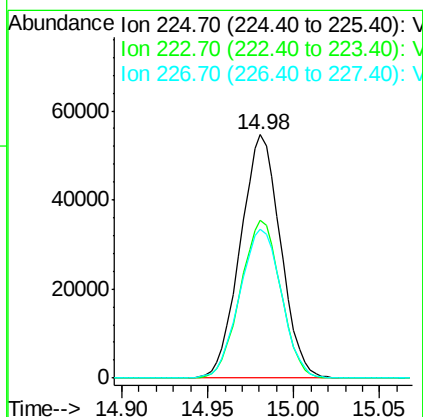
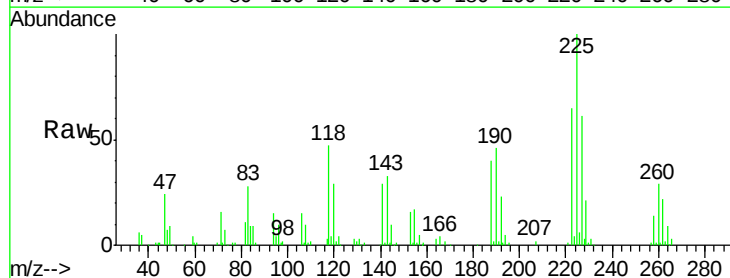
Manual Integrations
 APPROVED

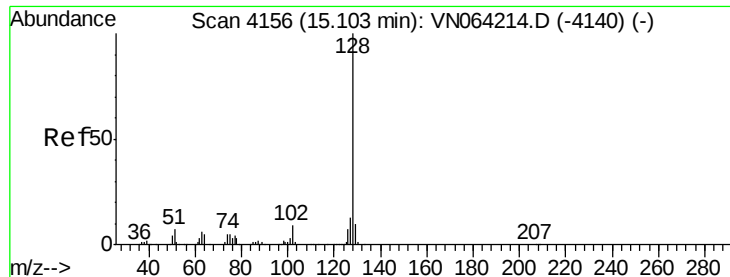
MMDadoda
 10/23/2020 3:36:44 PM



#94
 Hexachlorobutadiene
 Concen: 46.729 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064276.D
 Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88502		
223	64.9	31.5	94.5	
227	63.5	32.1	96.5	





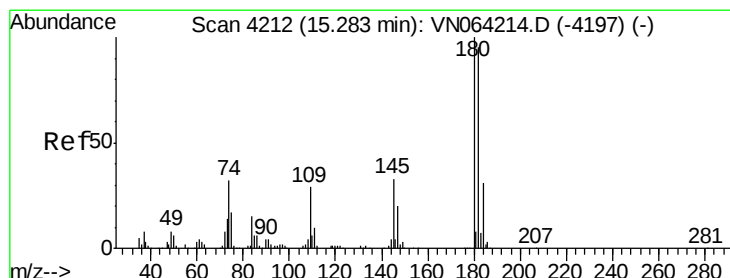
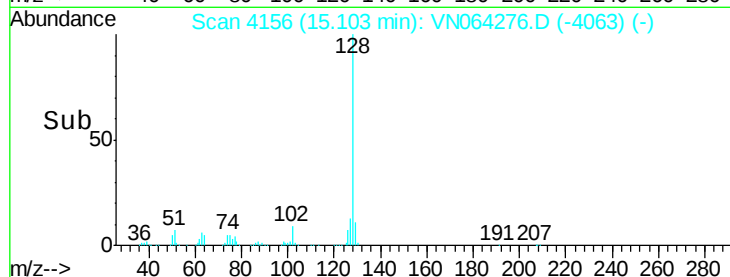
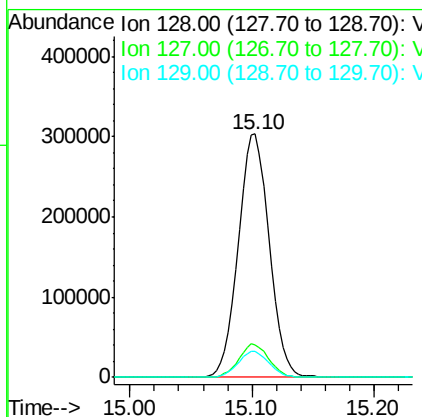
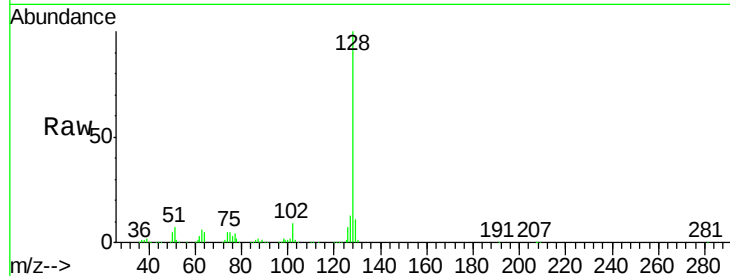
#95
Naphthalene
Concen: 50.528 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:36:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.737 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064276.D
Acq: 23 Oct 2020 1:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	34.6	17.1	51.3

