

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064702.D
 Acq On : 18 Nov 2020 12:37
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:01 PM

Quant Time: Nov 18 13:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	276322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	491299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204515	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	85238	17.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.38%	
35) Dibromofluoromethane	7.55	113	51470	15.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.74%	
50) Toluene-d8	10.06	98	214133	16.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.20%	
62) 4-Bromofluorobenzene	12.37	95	76839	15.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	65843	18.716	ug/l	97
3) Chloromethane	2.04	50	71071	16.800	ug/l	100
4) Vinyl Chloride	2.17	62	74741	17.155	ug/l	99
5) Bromomethane	2.54	94	57200	20.197	ug/l	98
6) Chloroethane	2.68	64	51183	18.108	ug/l	99
7) Trichlorofluoromethane	2.99	101	137453	20.760	ug/l	98
8) Diethyl Ether	3.37	74	45480	19.705	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59389	19.117	ug/l	98
10) Methyl Iodide	3.91	142	69520	19.231	ug/l	98
11) Tert butyl alcohol	4.74	59	45825	89.790	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	55748	19.070	ug/l	94
13) Acrolein	3.56	56	12787	44.404	ug/l	95
14) Allyl chloride	4.28	41	95037	16.924	ug/l	98
15) Acrylonitrile	4.93	53	132217	92.107	ug/l	99
16) Acetone	3.78	43	102921	60.683	ug/l	97
17) Carbon Disulfide	4.01	76	164353	18.910	ug/l	98
18) Methyl Acetate	4.28	43	65725	18.458	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	190226	18.177	ug/l	99
20) Methylene Chloride	4.50	84	67037	18.607	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	63522	19.199	ug/l	94
22) Diisopropyl ether	5.90	45	209834	17.627	ug/l	94
23) Vinyl Acetate	5.85	43	852784	88.439	ug/l	99
24) 1,1-Dichloroethane	5.80	63	123470	18.695	ug/l	97
25) 2-Butanone	6.79	43	177152	79.757	ug/l	99
26) 2,2-Dichloropropane	6.77	77	115337	19.086	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69830	18.292	ug/l	99
28) Bromochloromethane	7.15	49	62072	18.593	ug/l	100
29) Tetrahydrofuran	7.17	42	118340	84.962	ug/l	99
30) Chloroform	7.33	83	132984	19.055	ug/l	97
31) Cyclohexane	7.61	56	96066	17.004	ug/l	91
32) 1,1,1-Trichloroethane	7.52	97	118230	19.014	ug/l	99
36) 1,1-Dichloropropene	7.75	75	93576	18.351	ug/l	99
37) Ethyl Acetate	6.88	43	77192	17.210	ug/l	97
38) Carbon Tetrachloride	7.74	117	101437	18.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79421	17.454	ug/l	97
40) Benzene	8.00	78	270212	18.063	ug/l	99
41) Methacrylonitrile	7.13	41	38984	17.187	ug/l	97
42) 1,2-Dichloroethane	8.08	62	117686	19.363	ug/l	98
43) Isopropyl Acetate	8.13	43	148847	18.072	ug/l	100
44) Trichloroethene	8.80	130	76156	19.948	ug/l	98
45) 1,2-Dichloropropane	9.08	63	72674	18.257	ug/l	100
46) Dibromomethane	9.17	93	50500	18.967	ug/l	98
47) Bromodichloromethane	9.37	83	104031	18.271	ug/l	98
48) Methyl methacrylate	9.16	41	71892	17.339	ug/l	100
49) 1,4-Dioxane	9.17	88	18318	340.240	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	432331	90.514	ug/l	99
52) Toluene	10.12	92	163850	17.935	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	110303	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	120172	18.809	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	67016	18.712	ug/l	95
56) Ethyl methacrylate	10.40	69	89202	17.278	ug/l	98
57) 1,3-Dichloropropane	10.68	76	114672	18.407	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	259061	99.554	ug/l	100
59) 2-Hexanone	10.72	43	305239	88.431	ug/l	100
60) Dibromochloromethane	10.87	129	76041	18.973	ug/l	99
61) 1,2-Dibromoethane	10.98	107	69672	19.153	ug/l	100
64) Tetrachloroethene	10.60	164	78246	22.228	ug/l	98
65) Chlorobenzene	11.40	112	178257	18.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	67126	18.543	ug/l	99
67) Ethyl Benzene	11.48	91	313939	18.248	ug/l	99
68) m/p-Xylenes	11.59	106	234761	37.513	ug/l	98
69) o-Xylene	11.92	106	108930	18.037	ug/l	99
70) Styrene	11.94	104	188565	18.522	ug/l	98
71) Bromoform	12.10	173	47281	19.387	ug/l #	100
73) Isopropylbenzene	12.22	105	283769	17.925	ug/l	99
74) N-amyl acetate	12.04	43	132067	19.105	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	78448	16.272	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	81678m	16.906	ug/l	
77) Bromobenzene	12.50	156	70988	18.236	ug/l	98
78) n-propylbenzene	12.56	91	332308	18.374	ug/l	100
79) 2-Chlorotoluene	12.65	91	210733	18.293	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	240913	18.369	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	30588	17.778	ug/l #	86
82) 4-Chlorotoluene	12.75	91	224054	18.585	ug/l	99
83) tert-Butylbenzene	12.97	119	186797	18.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	248366	18.875	ug/l	99
85) sec-Butylbenzene	13.14	105	247030	18.996	ug/l	99
86) p-Isopropyltoluene	13.26	119	224483	19.134	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	123318	18.272	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	128755	18.451	ug/l	99
89) n-Butylbenzene	13.59	91	196856	19.389	ug/l	99
90) Hexachloroethane	13.85	117	35705	16.126	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	122985	19.000	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20709	21.049	ug/l	95

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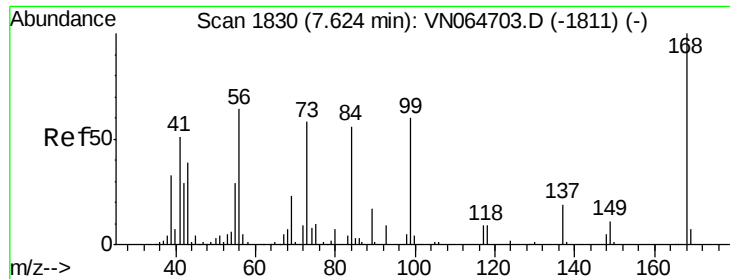
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62460	23.023	ug/l	97
94) Hexachlorobutadiene	14.98	225	28730	21.456	ug/l	99
95) Naphthalene	15.10	128	209025	23.375	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	62447	23.064	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 276322

Ion Ratio Lower Upper

168 100

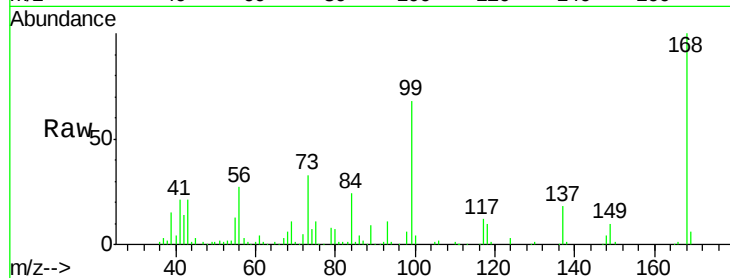
99 67.4 55.7 83.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

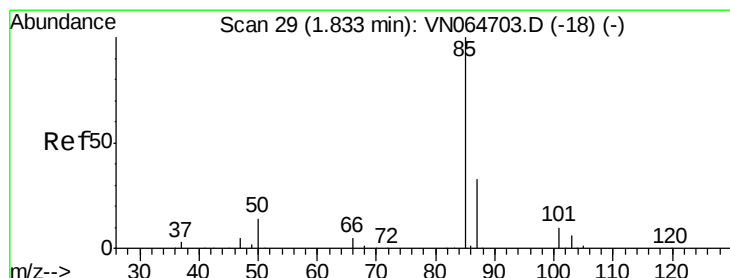
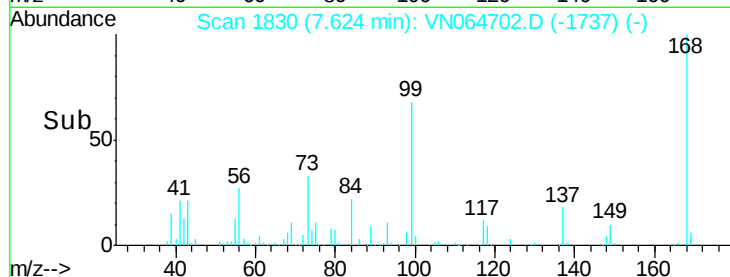
7.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.716 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064702.D

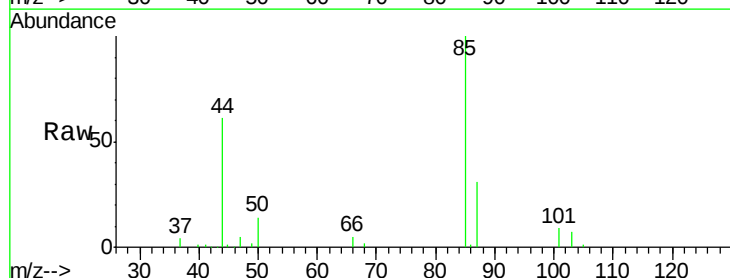
Acq: 18 Nov 2020 12:37

Tgt Ion: 85 Resp: 65843

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

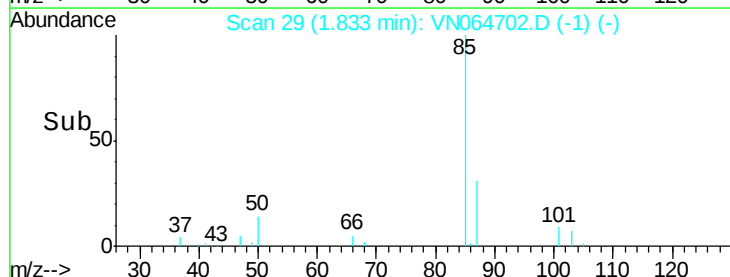
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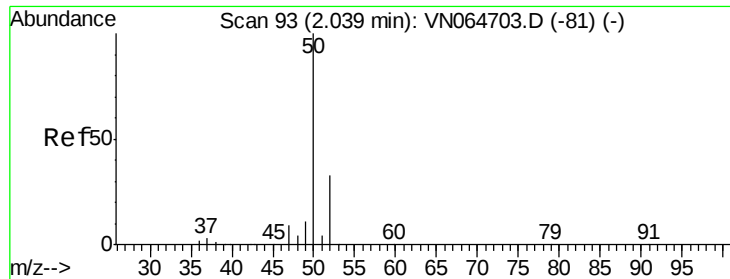
20000

10000

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Time-->





#3

Chloromethane

Concen: 16.800 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 71071

Ion Ratio Lower Upper

50 100

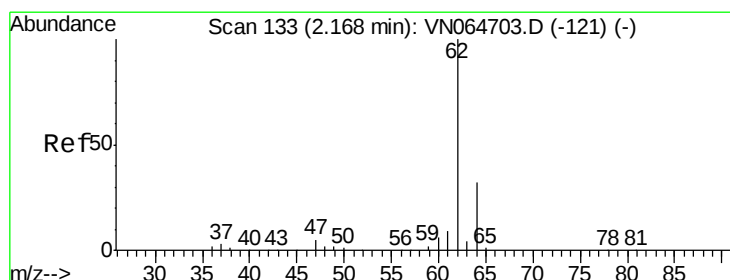
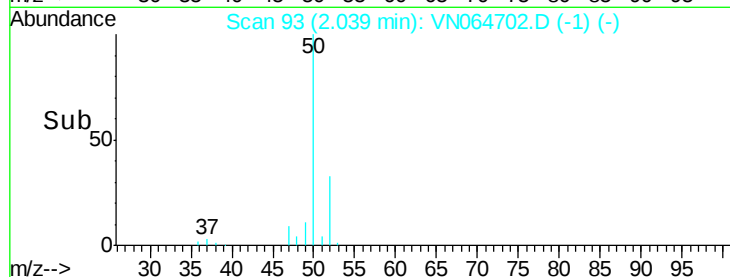
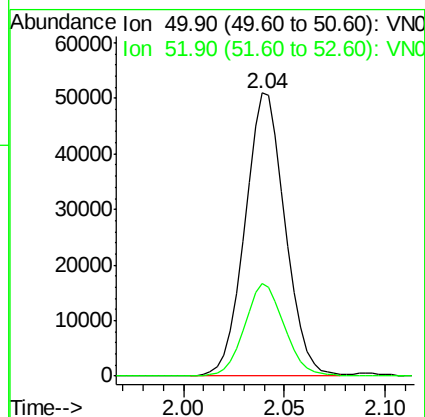
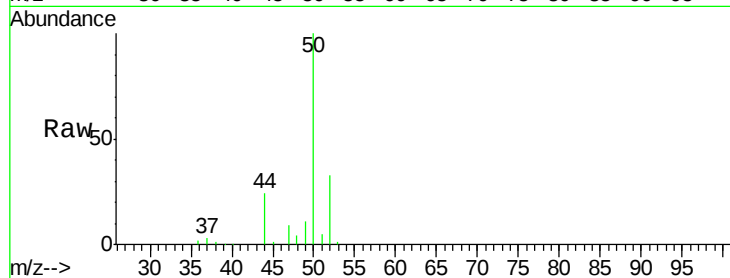
52 32.8 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.155 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064702.D

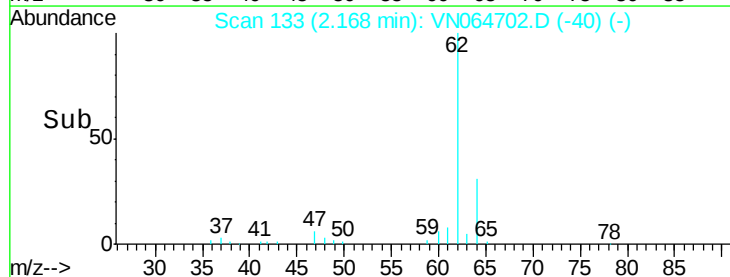
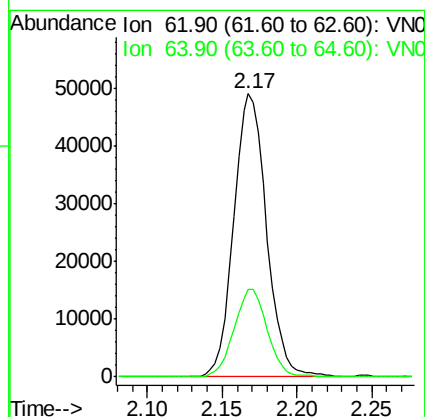
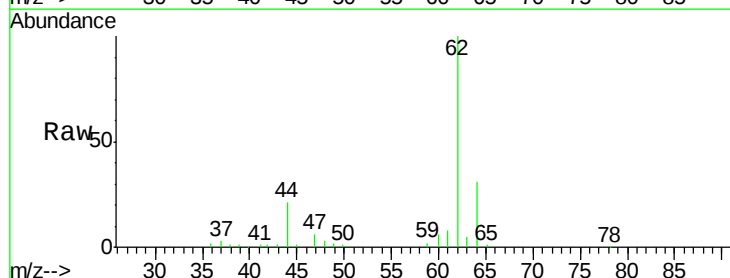
Acq: 18 Nov 2020 12:37

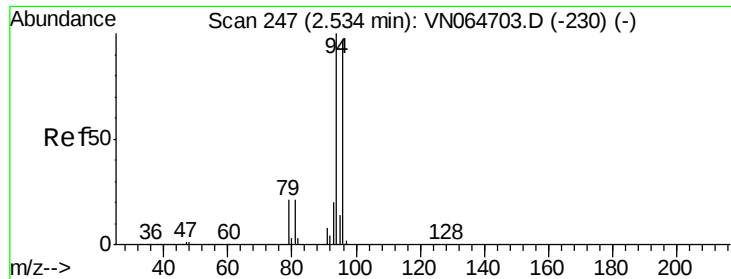
Tgt Ion: 62 Resp: 74741

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 20.197 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 57200

Ion Ratio Lower Upper

94 100

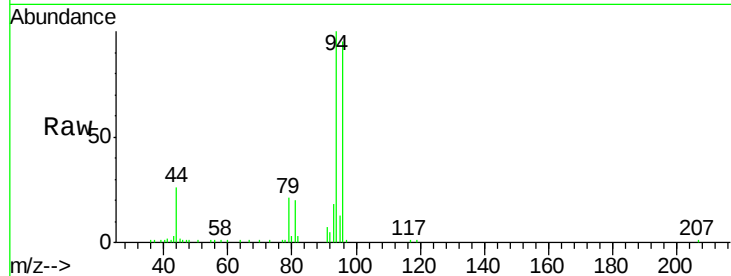
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Manual Integrations

APPROVED

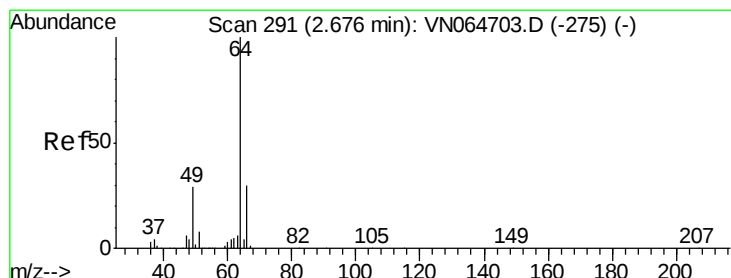
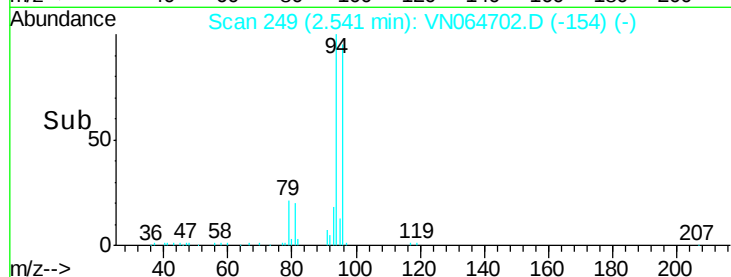
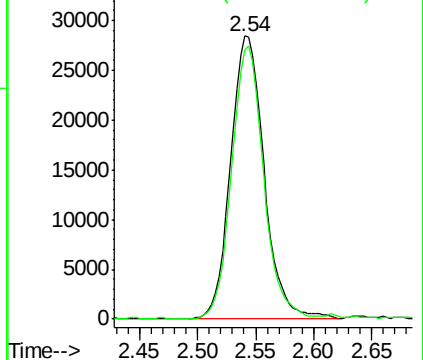
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.108 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN064702.D

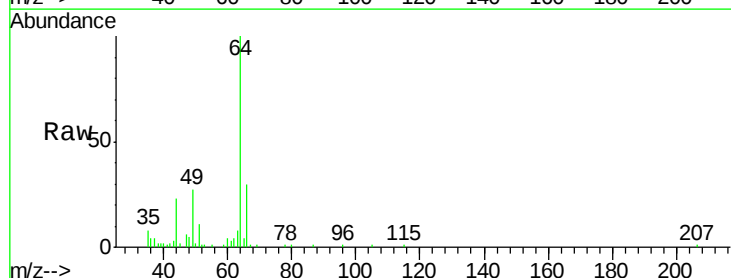
Acq: 18 Nov 2020 12:37

Tgt Ion: 64 Resp: 51183

Ion Ratio Lower Upper

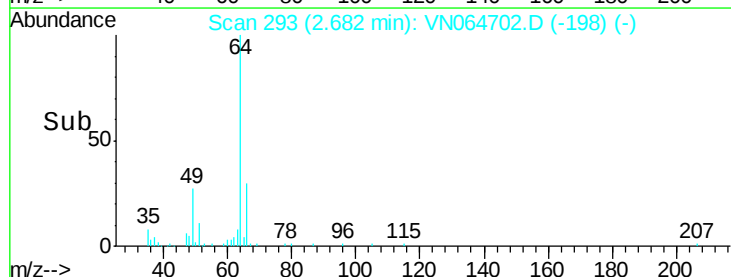
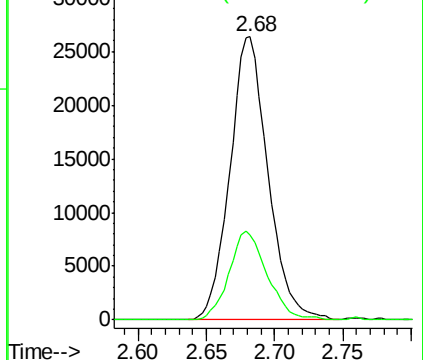
64 100

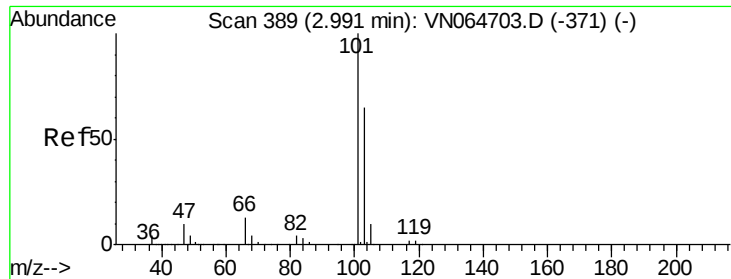
66 29.9 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

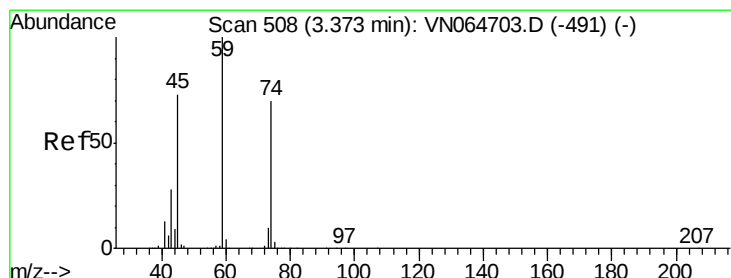
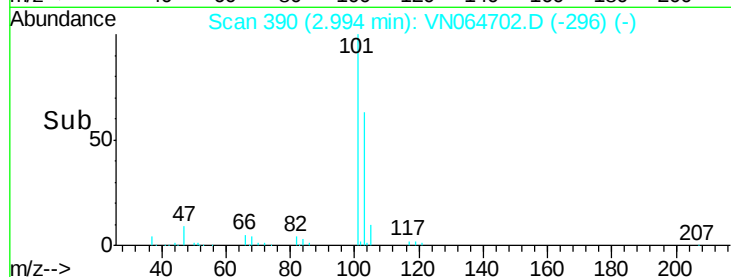
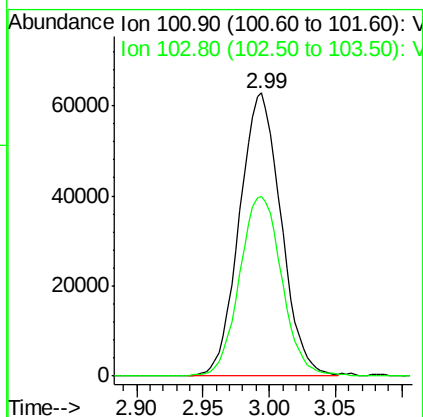
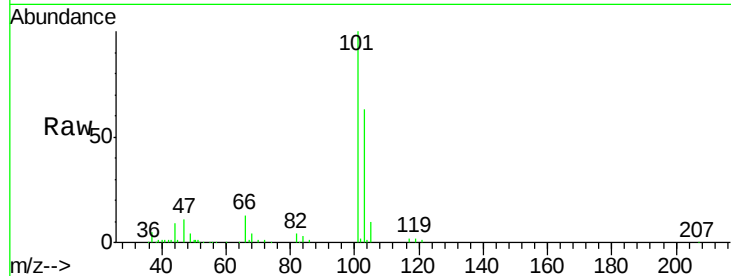
Trichlorofluoromethane
Concen: 20.760 ug/l
RT: 2.99 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.6

Manual Integrations
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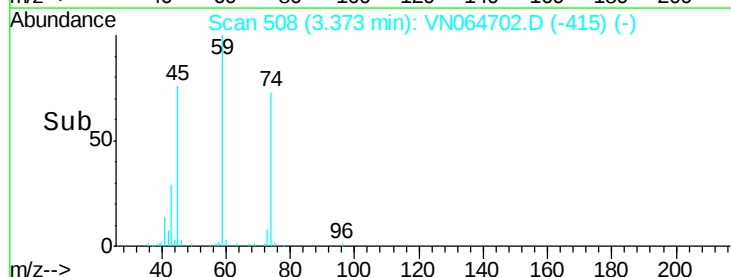
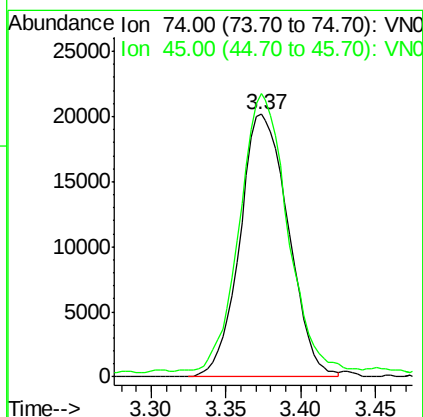
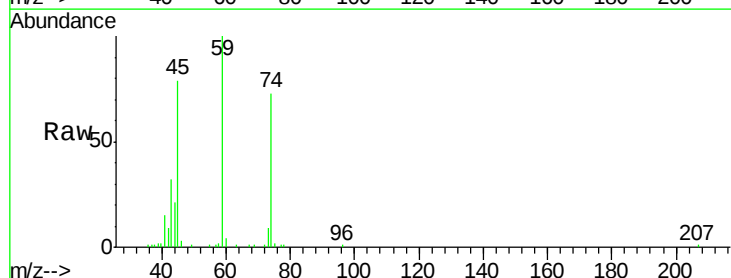
MMDadoda
11/19/2020 2:10:01 PM

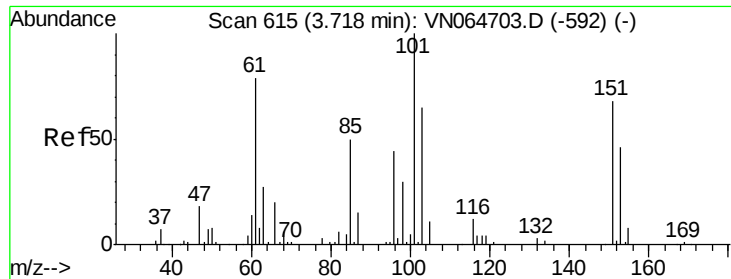


#8

Diethyl Ether
Concen: 19.705 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.8	158.5





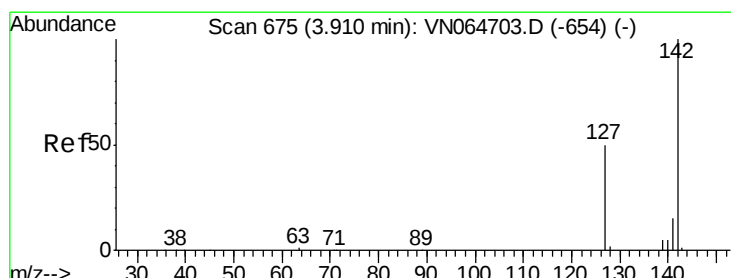
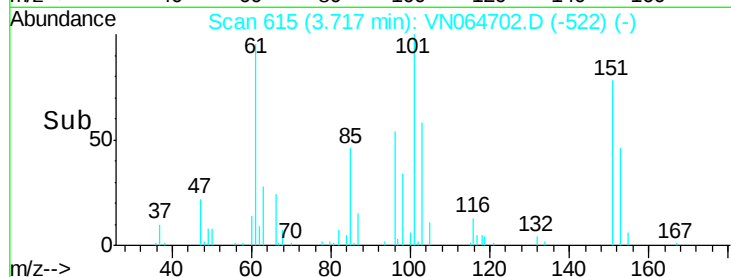
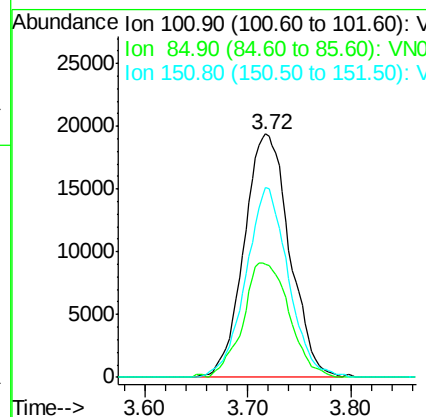
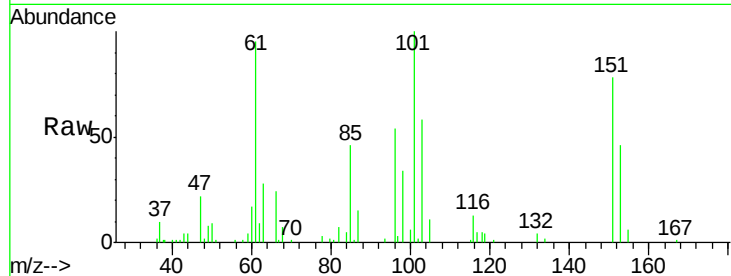
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.117 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN064702.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	47.5	39.0	58.4
151	73.0	57.2	85.8

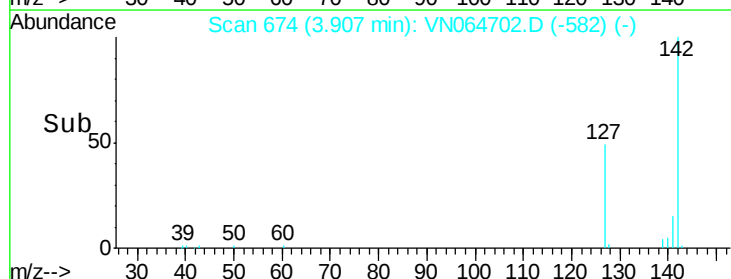
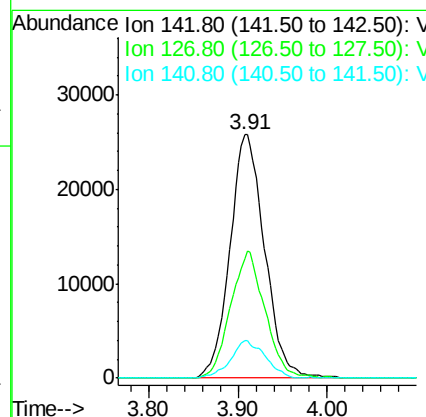
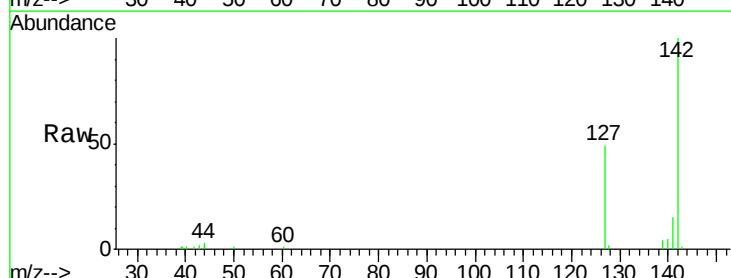
Manual Integrations
 APPROVED

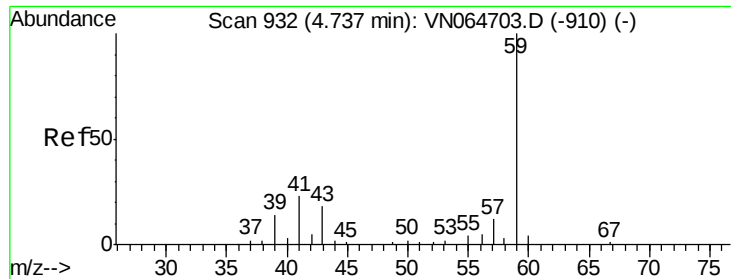
MMDadoda
 11/19/2020 2:10:01 PM



#10
 Methyl Iodide
 Concen: 19.231 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.3	42.0	63.0
141	15.4	12.1	18.1





#11

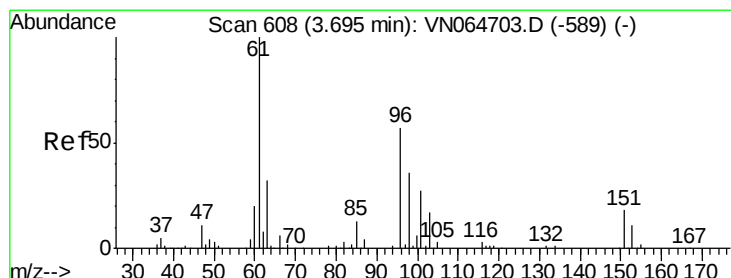
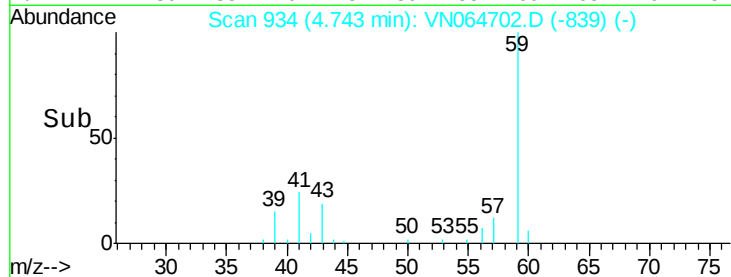
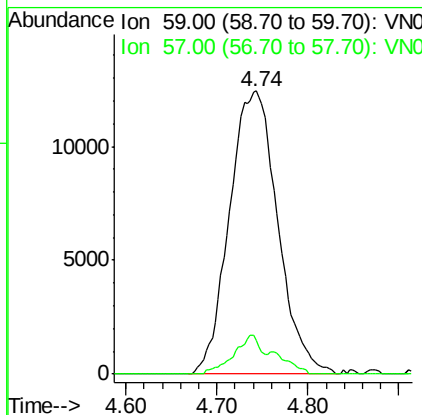
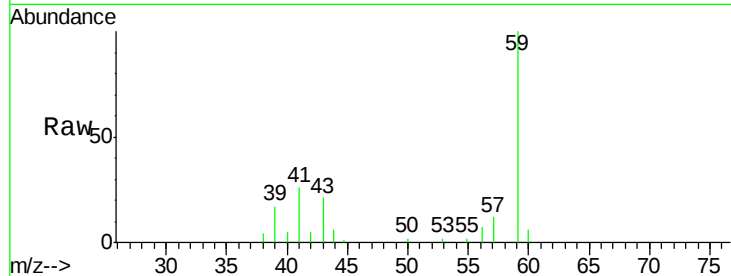
Tert butyl alcohol
Concen: 89.790 ug/l
RT: 4.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	9.1	13.7#

Manual Integrations
APPROVED

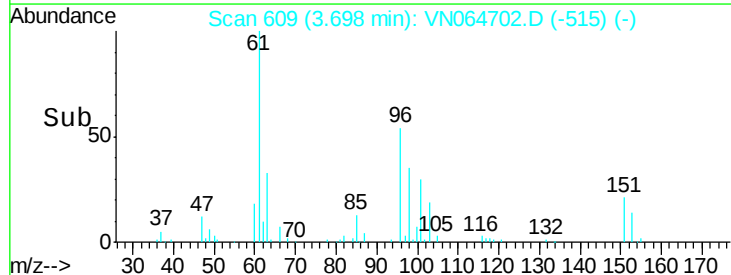
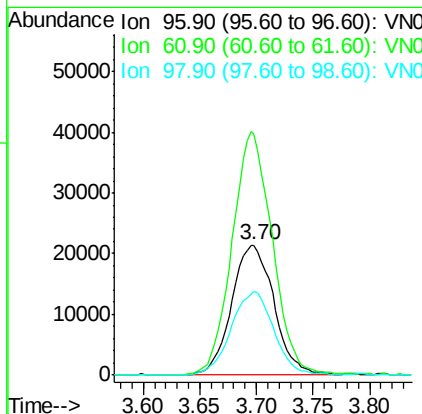
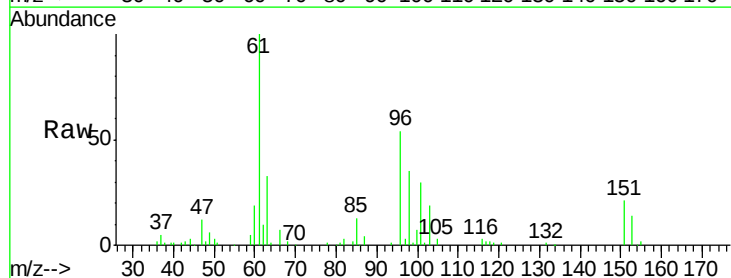
MMDadoda
11/19/2020 2:10:01 PM

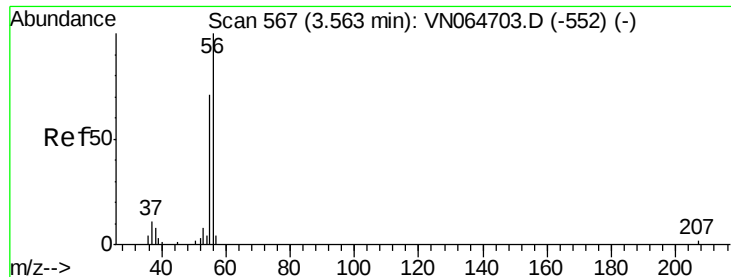


#12

1,1-Dichloroethene
Concen: 19.070 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.0	139.1	208.7
98	64.6	50.2	75.2





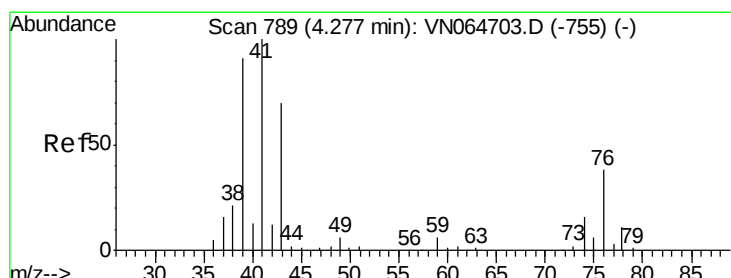
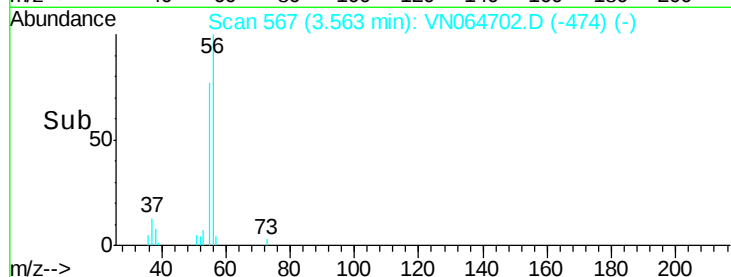
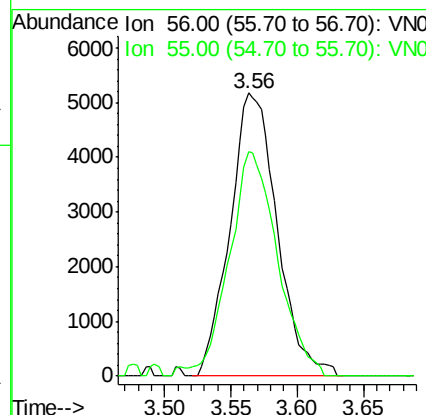
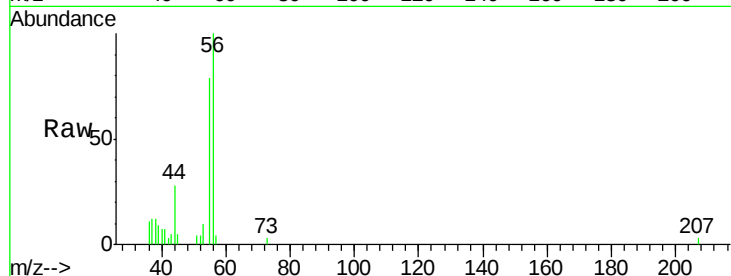
#13
Acrolein
Concen: 44.404 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	12787
Ion Ratio	100	Lower	Upper
56	100		
55	81.8	61.8	92.6

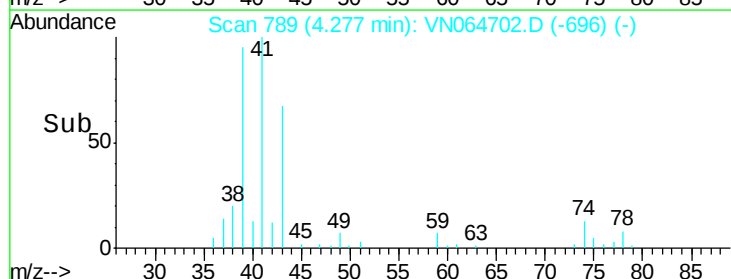
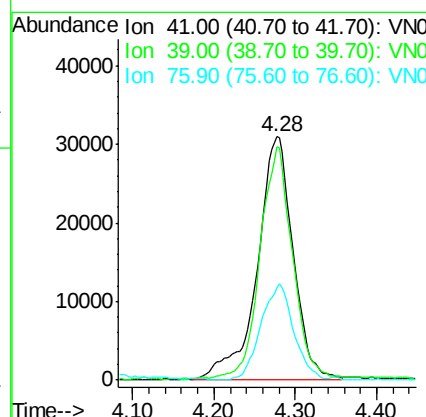
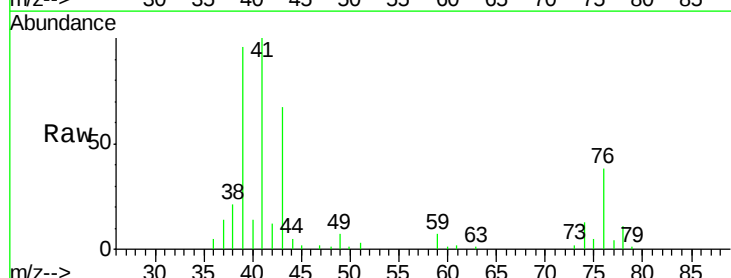
Manual Integrations
APPROVED

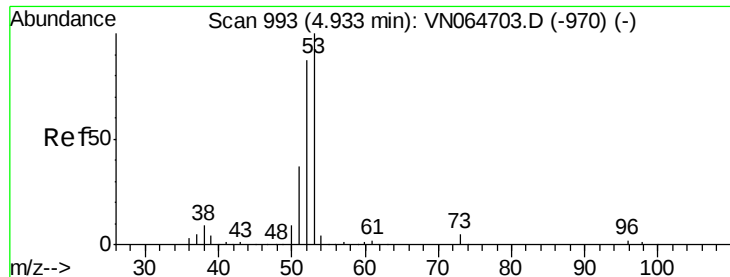
MMDadoda
11/19/2020 2:10:01 PM



#14
Allyl chloride
Concen: 16.924 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	41	Resp	95037
Ion Ratio	100	Lower	Upper
41	100		
39	84.1	66.1	99.1
76	35.8	26.6	40.0





#15

Acrylonitrile

Concen: 92.107 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

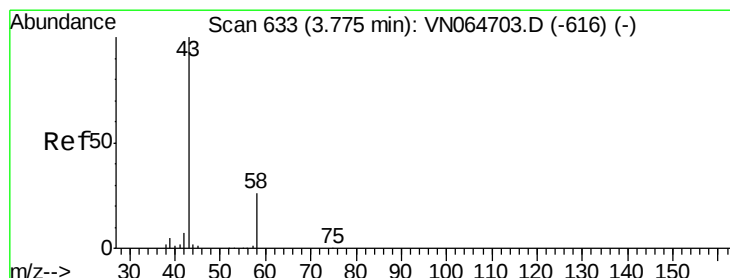
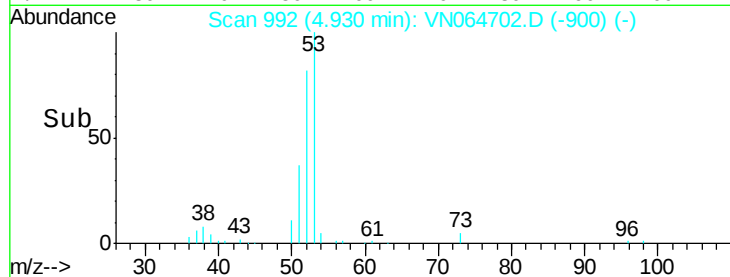
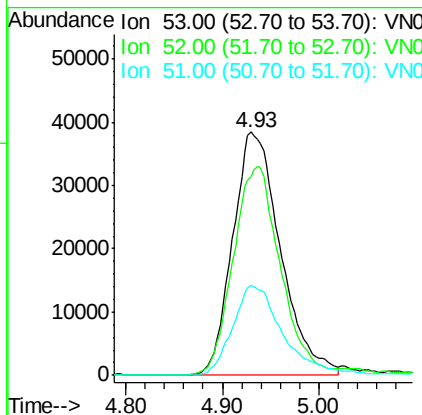
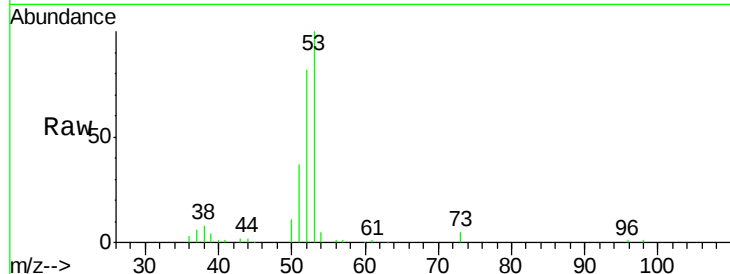
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	132217
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.2	100.8
51	38.7	31.0	46.6

Manual Integrations
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11/19/2020 2:10:01 PM



#16

Acetone

Concen: 60.683 ug/l

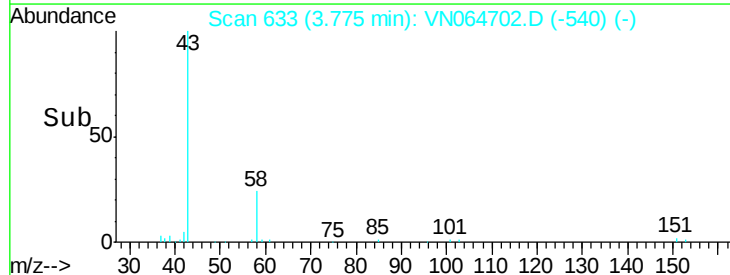
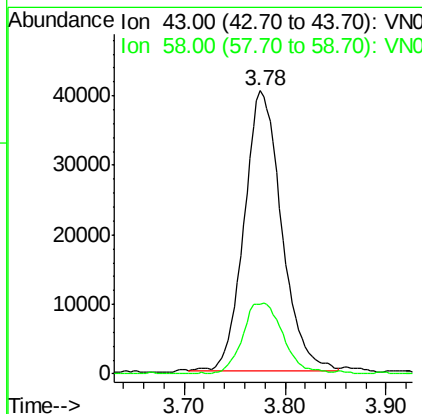
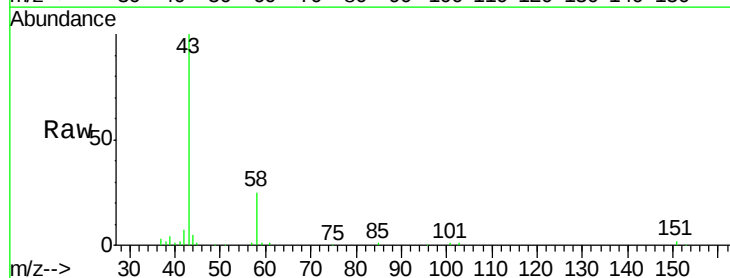
RT: 3.78 min Scan# 633

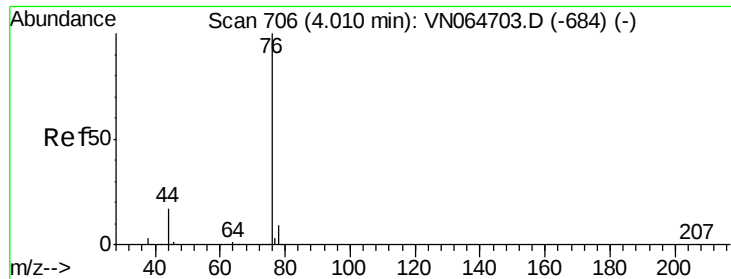
Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion:	43	Resp:	102921
Ion	Ratio	Lower	Upper
43	100		
58	25.0	21.2	31.8





#17

Carbon Disulfide

Concen: 18.910 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 164353

Ion Ratio Lower Upper

76 100

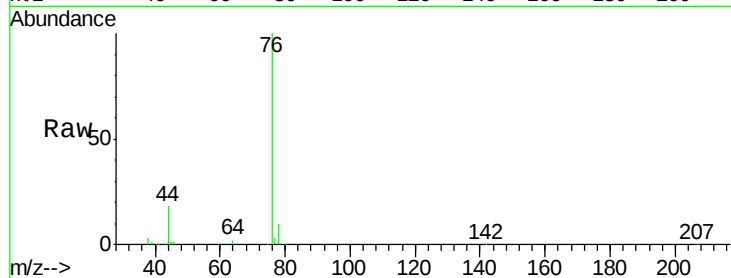
78 9.6 7.1 10.7

Manual Integrations

APPROVED

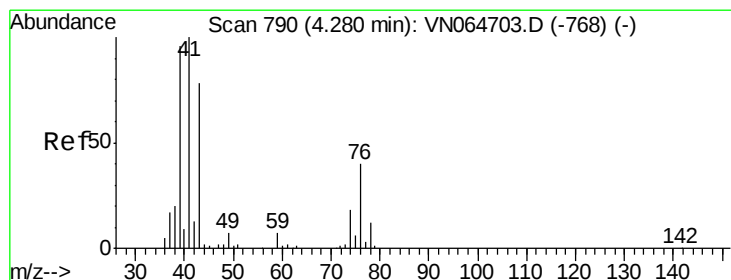
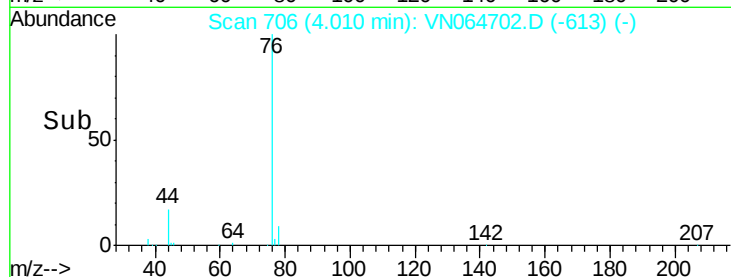
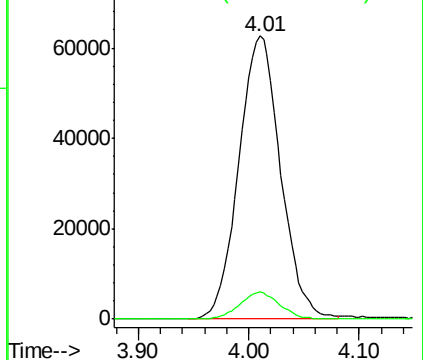
MMDadoda

11/19/2020 2:10:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.458 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064702.D

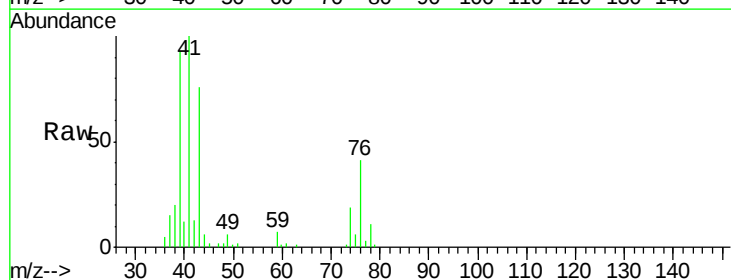
Acq: 18 Nov 2020 12:37

Tgt Ion: 43 Resp: 65725

Ion Ratio Lower Upper

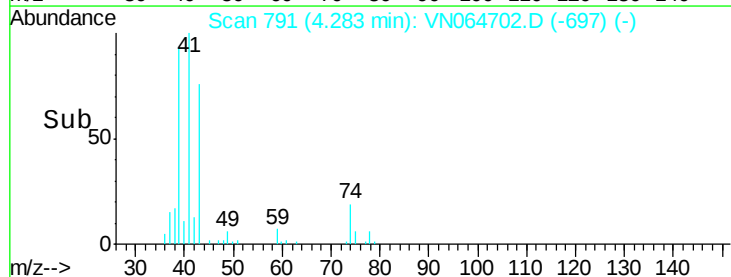
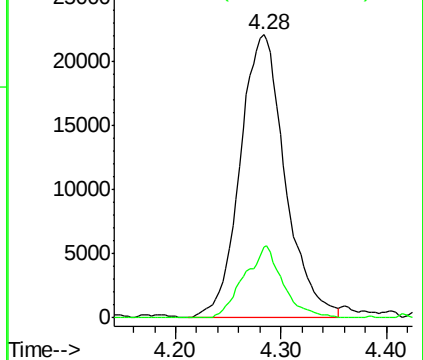
43 100

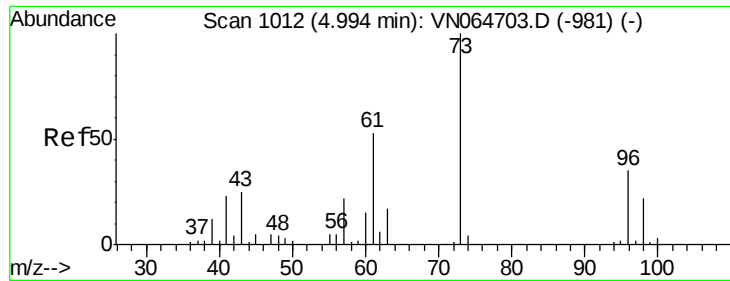
74 21.9 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





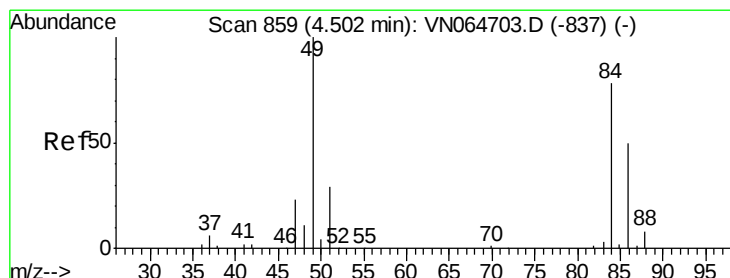
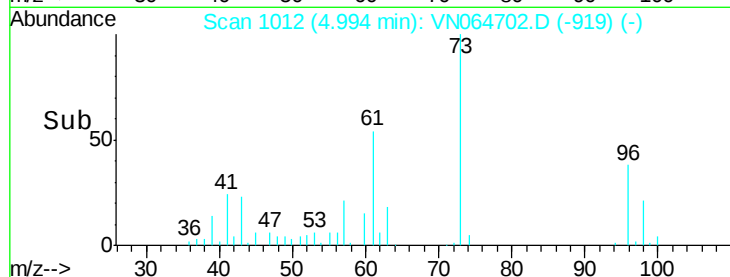
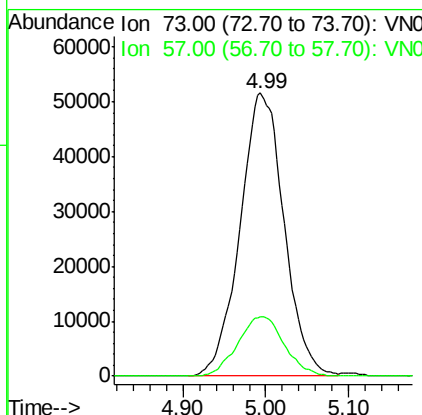
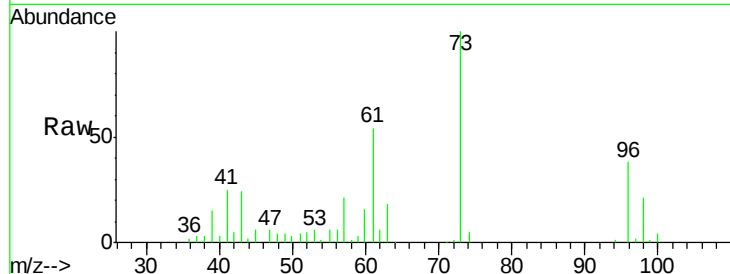
#19
Methvl tert-butvl Ether
Concen: 18.177 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 190226
Ion Ratio Lower Upper
73 100
57 21.0 17.3 25.9

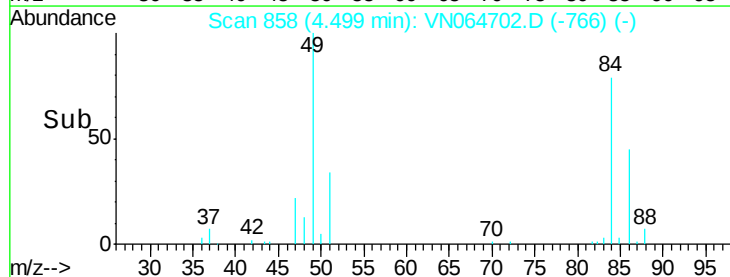
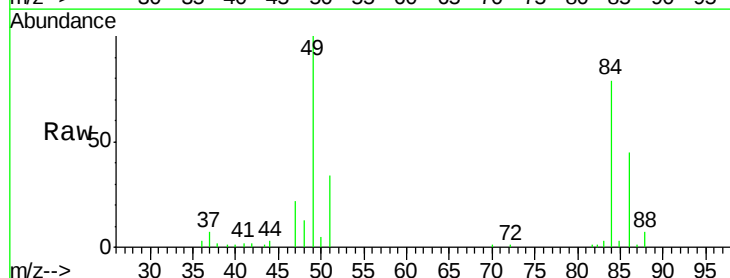
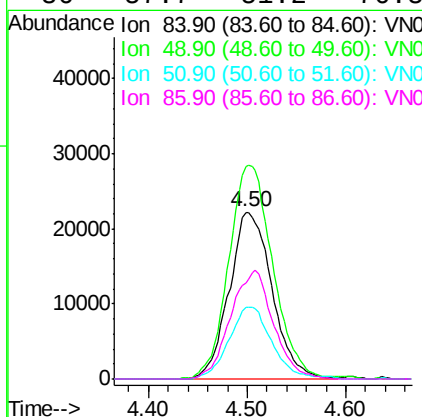
Manual Integrations
APPROVED

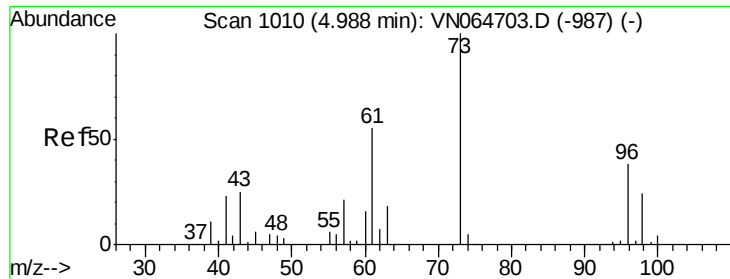
MMDadoda
11/19/2020 2:10:01 PM



#20
Methylene Chloride
Concen: 18.607 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 84 Resp: 67037
Ion Ratio Lower Upper
84 100
49 126.3 102.4 153.6
51 43.1 29.4 44.2
86 57.7 51.2 76.8





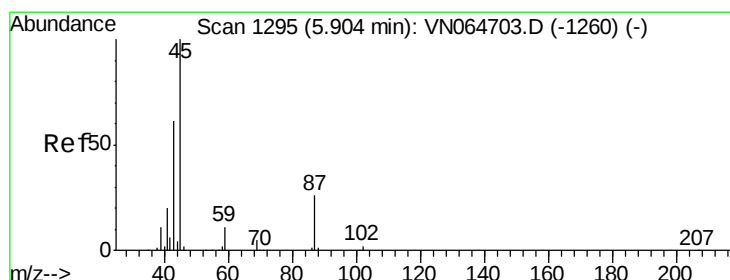
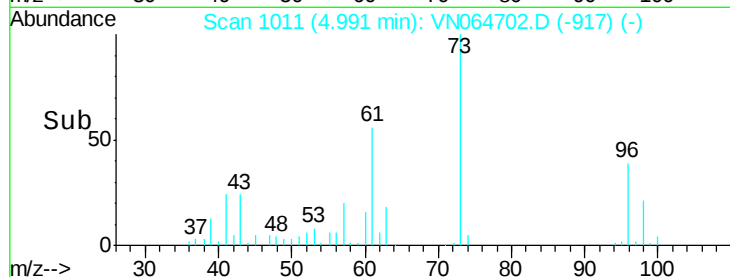
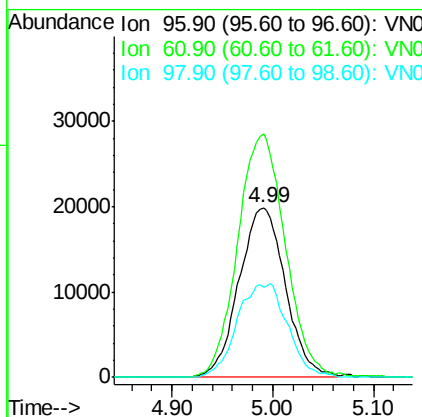
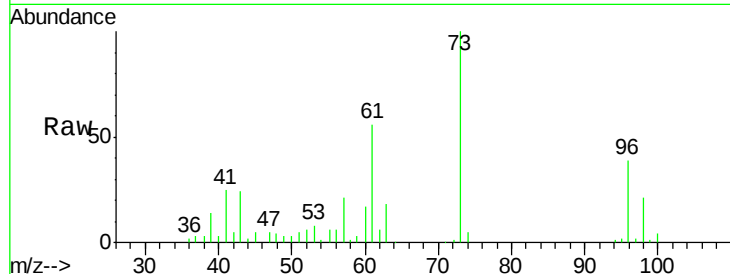
#21
trans-1,2-Dichloroethene
Concen: 19.199 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	117.9	176.9
98	53.1	51.1	76.7

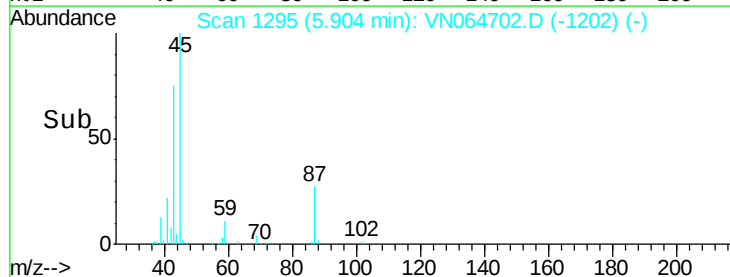
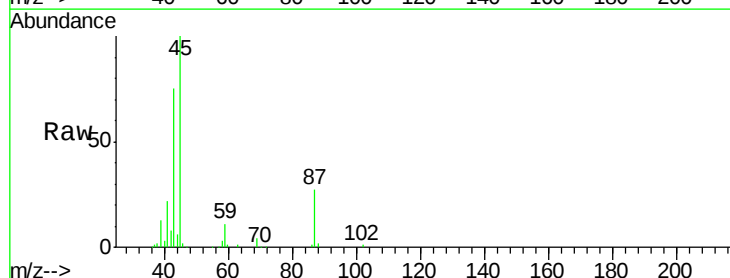
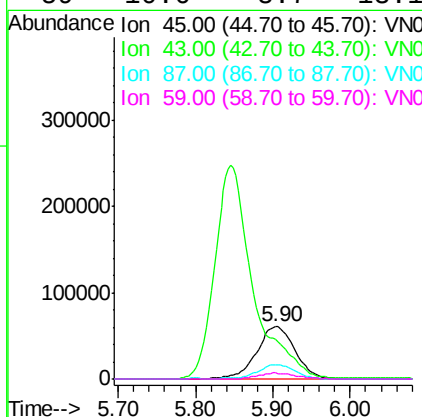
Manual Integrations
APPROVED

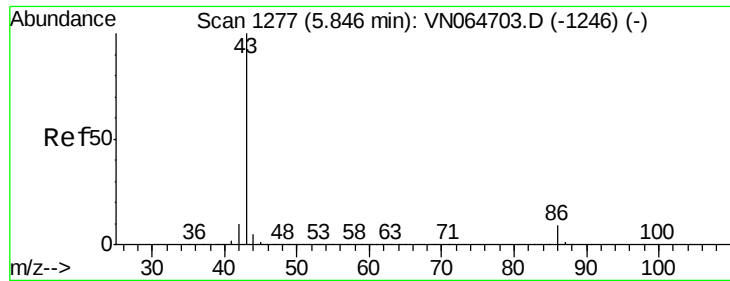
MMDadoda
11/19/2020 2:10:01 PM



#22
Diisopropyl ether
Concen: 17.627 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.9	52.3	78.5
87	26.3	21.6	32.4
59	10.6	8.7	13.1





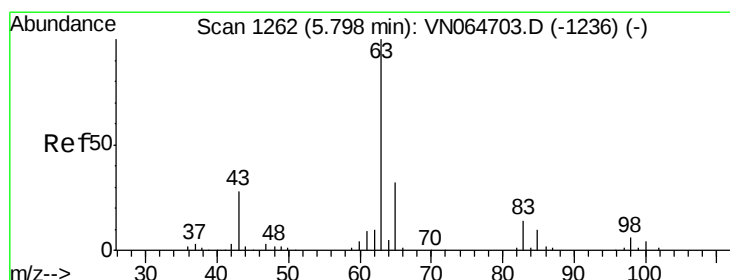
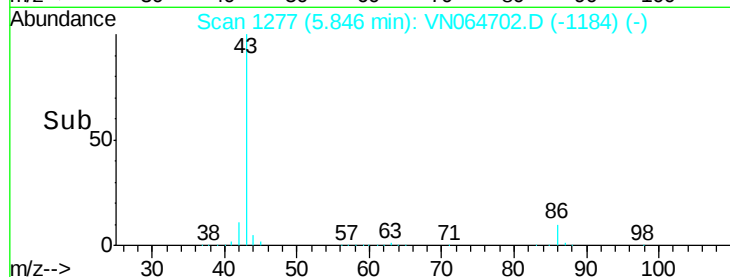
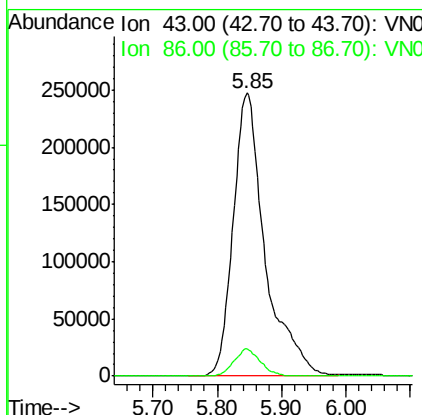
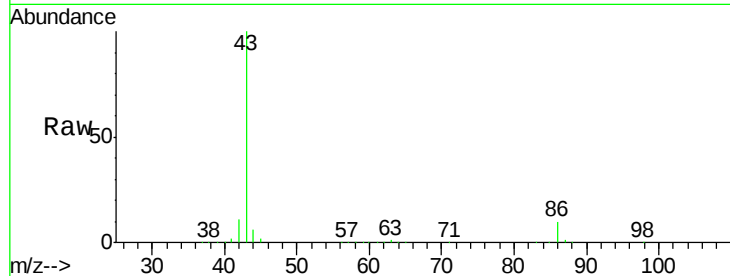
#23
 Vinyl Acetate
 Concen: 88.439 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	852784
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.4	11.0

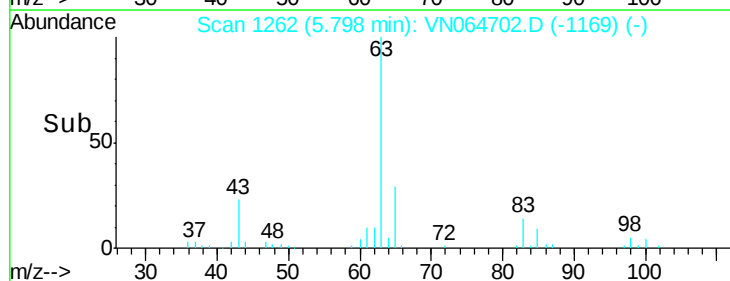
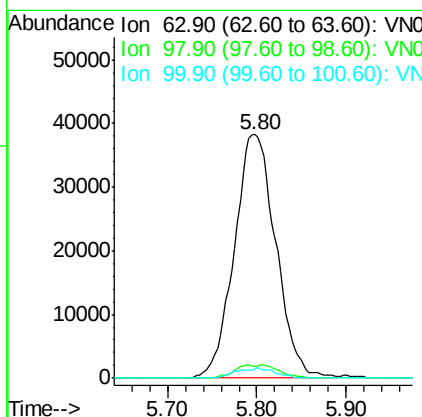
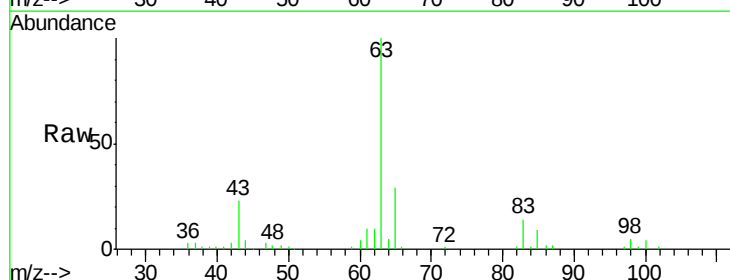
Manual Integrations
 APPROVED

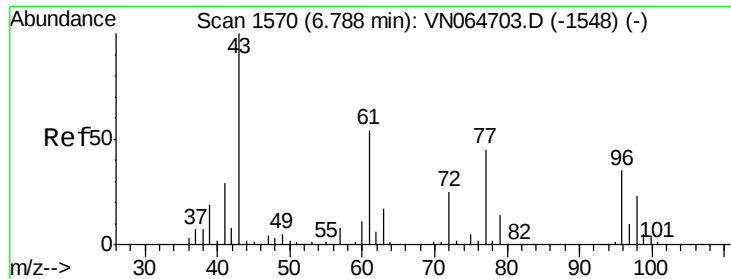
MMDadoda
 11/19/2020 2:10:01 PM



#24
 1,1-Dichloroethane
 Concen: 18.695 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	63	Resp	123470
Ion Ratio	100	Lower	Upper
63	100		
98	4.7	3.2	9.6
100	3.9	1.9	5.7





#25

2-Butanone

Concen: 79.757 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 177152

Ion Ratio Lower Upper

43 100

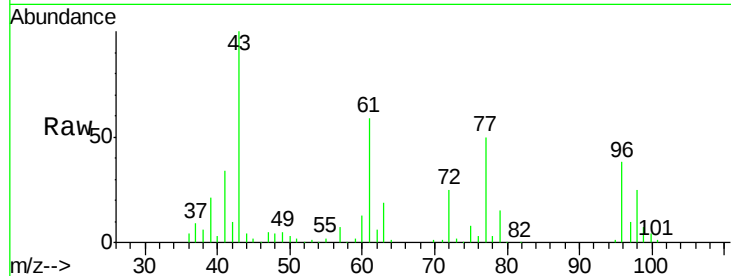
72 25.0 19.7 29.5

Manual Integrations

APPROVED

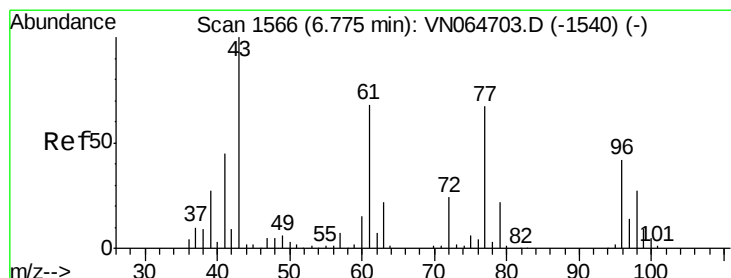
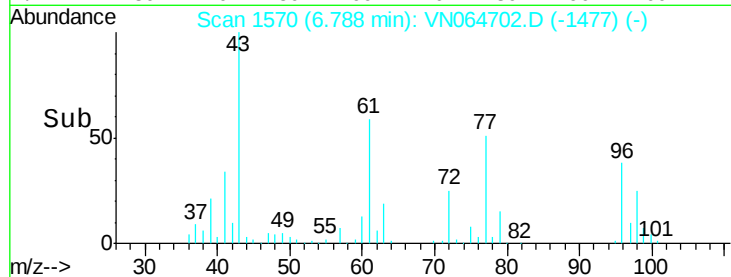
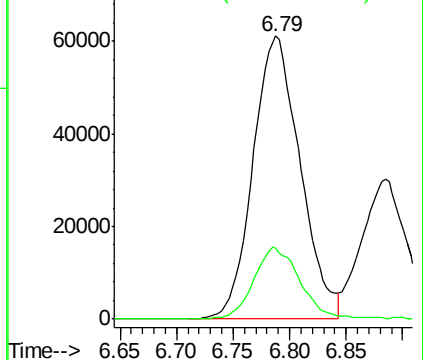
MMDadoda

11/19/2020 2:10:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.086 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064702.D

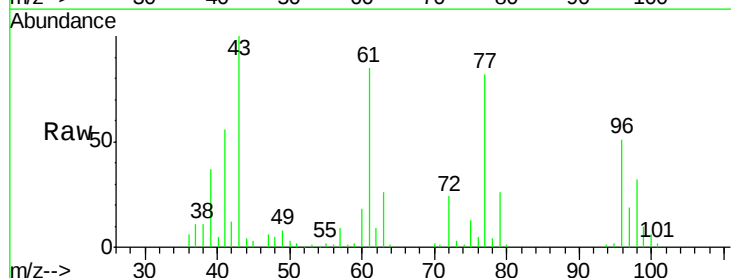
Acq: 18 Nov 2020 12:37

Tgt Ion: 77 Resp: 115337

Ion Ratio Lower Upper

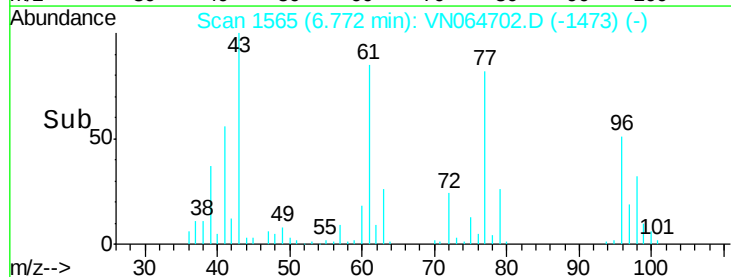
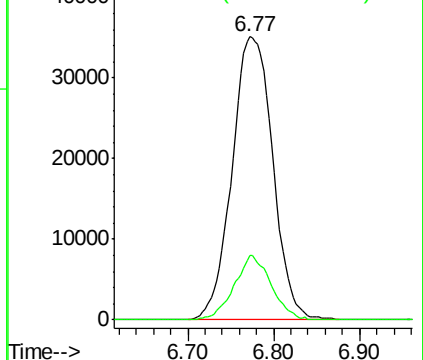
77 100

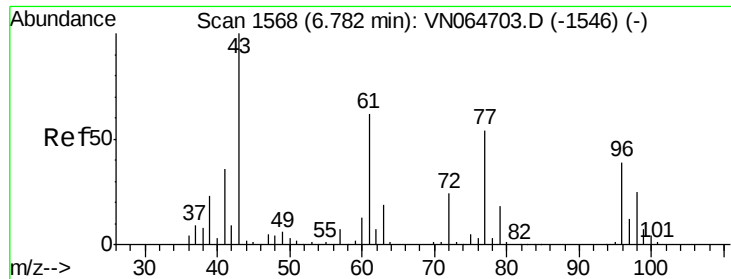
97 20.7 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.292 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 69830

Ion Ratio Lower Upper

96 100

61 163.3 0.0 322.6

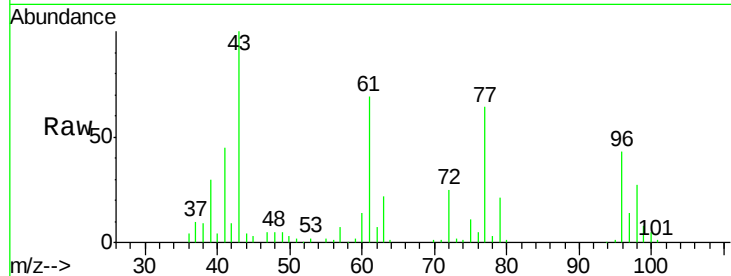
98 64.1 0.0 128.6

Manual Integrations

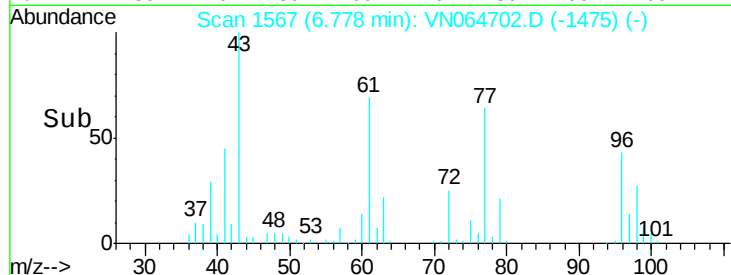
APPROVED

MMDadoda

11/19/2020 2:10:01 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064702.D (-1475) (-)

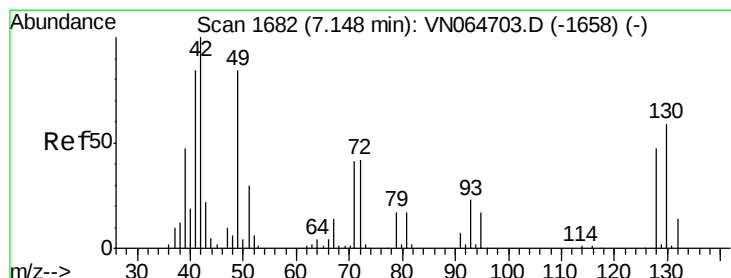


Ion 60.90 (60.60 to 61.60): VN064702.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN064702.D (-1475) (-)

6.78

Time-->



#28

Bromochloromethane

Concen: 18.593 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

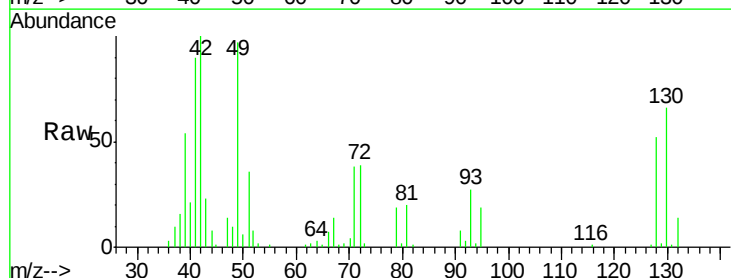
Tgt Ion: 49 Resp: 62072

Ion Ratio Lower Upper

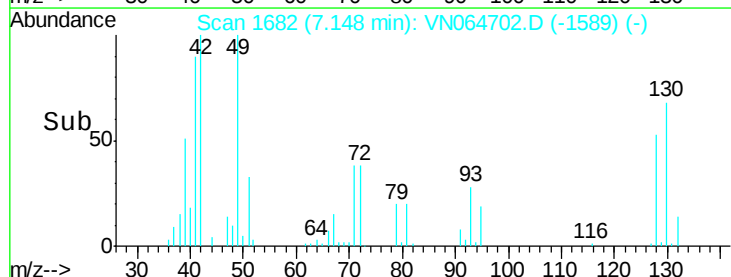
49 100

129 1.3 0.0 3.8

130 70.0 56.2 84.4



Abundance Ion 48.90 (48.60 to 49.60): VN064702.D (-1589) (-)

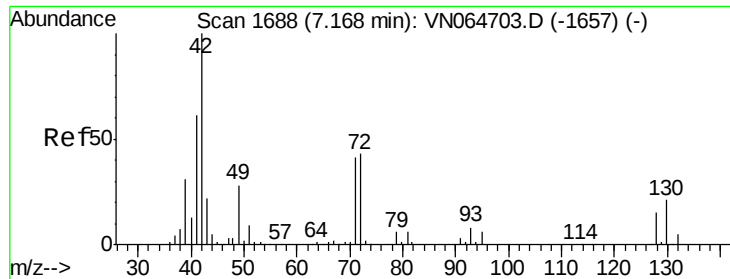


Ion 128.80 (128.50 to 129.50): VN064702.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064702.D (-1589) (-)

7.15

Time-->



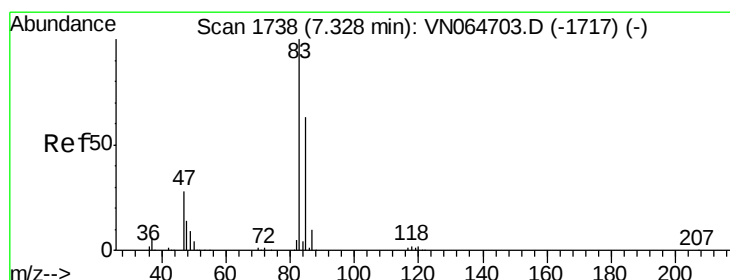
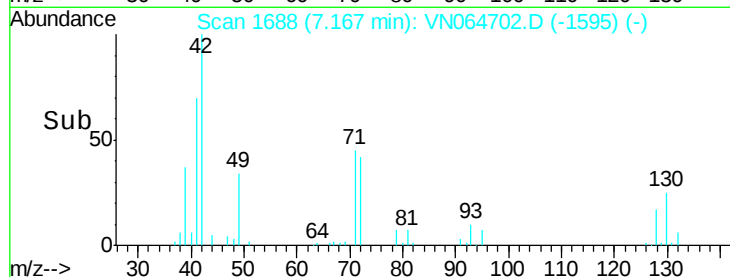
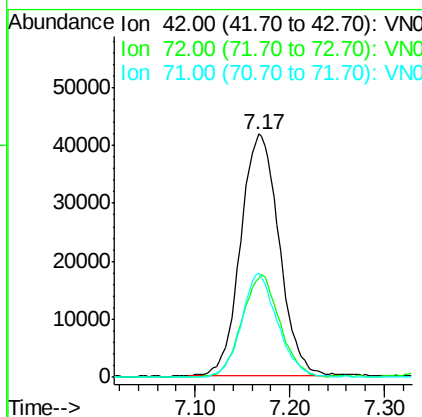
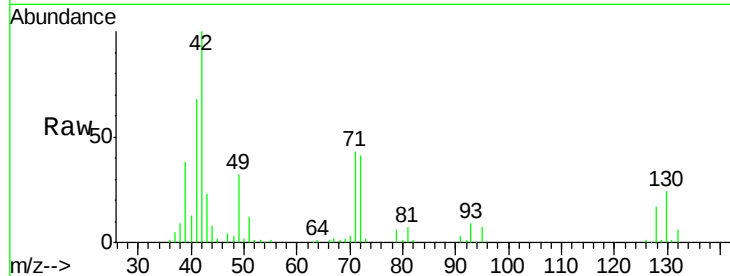
#29
Tetrahydrofuran
Concen: 84.962 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.0	49.4
71	40.3	31.8	47.6

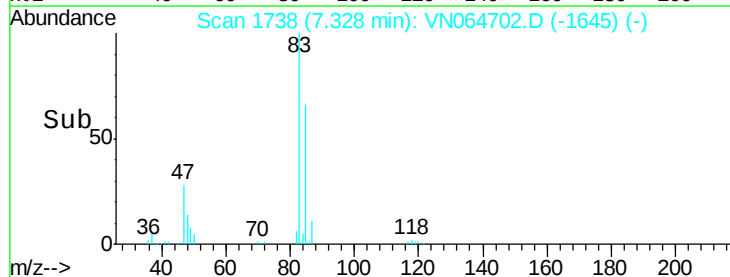
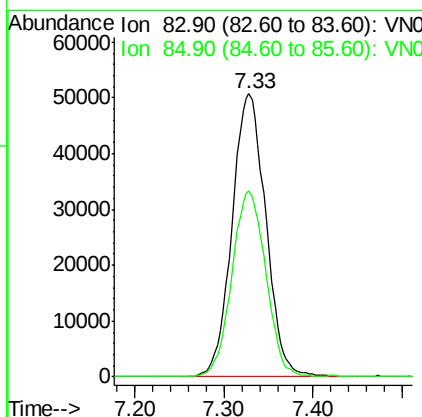
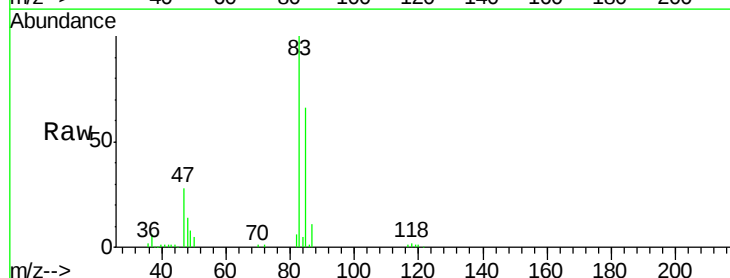
Manual Integrations
APPROVED

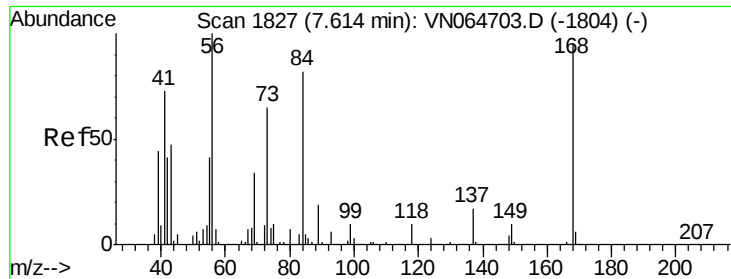
MMDadoda
11/19/2020 2:10:01 PM



#30
Chloroform
Concen: 19.055 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	75.8





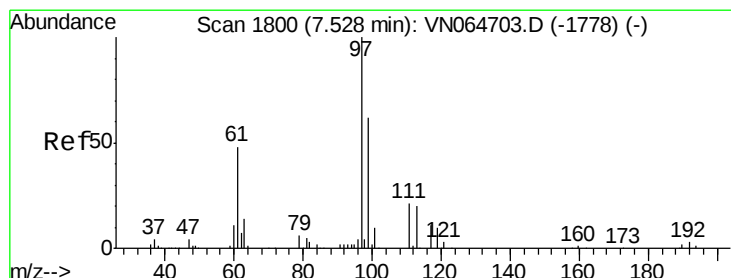
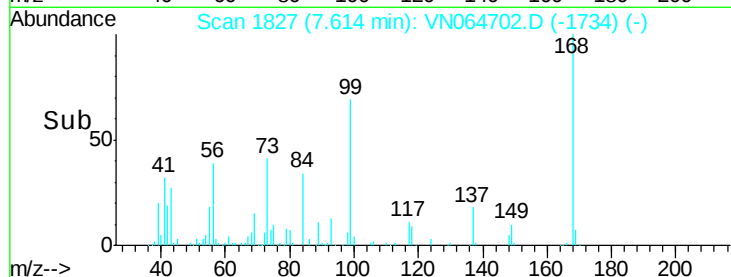
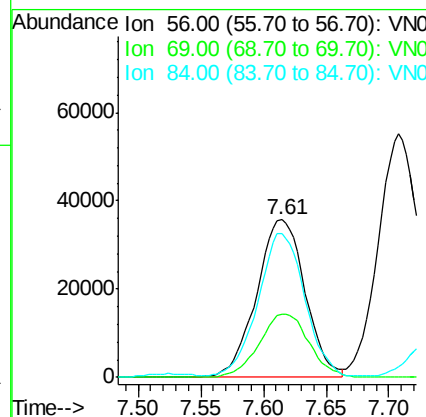
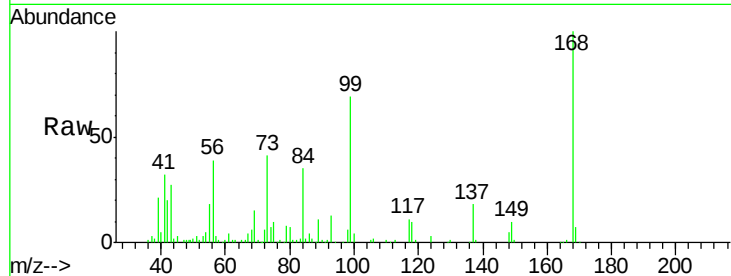
#31
Cyclohexane
Concen: 17.004 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	27.2	40.8
84	89.5	65.9	98.9

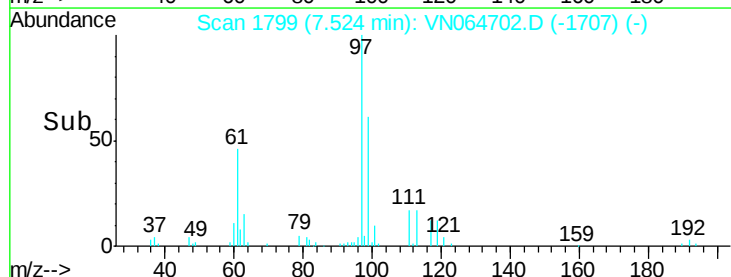
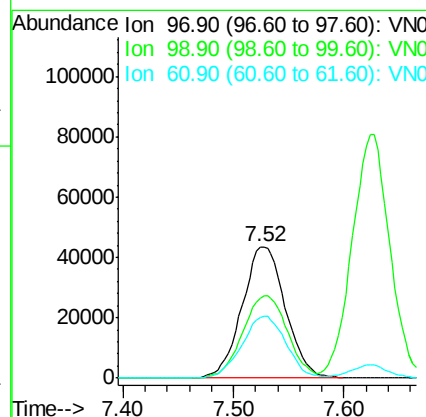
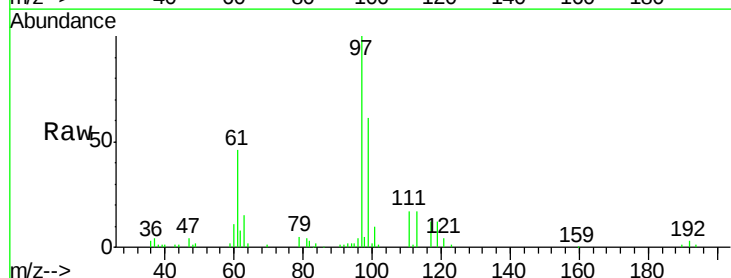
Manual Integrations
APPROVED

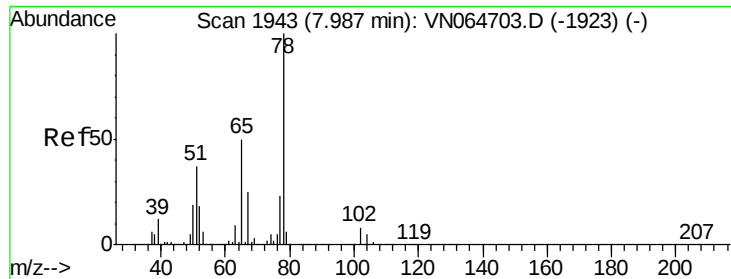
MMDadoda
11/19/2020 2:10:01 PM



#32
1,1,1-Trichloroethane
Concen: 19.014 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.6	76.0
61	48.1	38.3	57.5





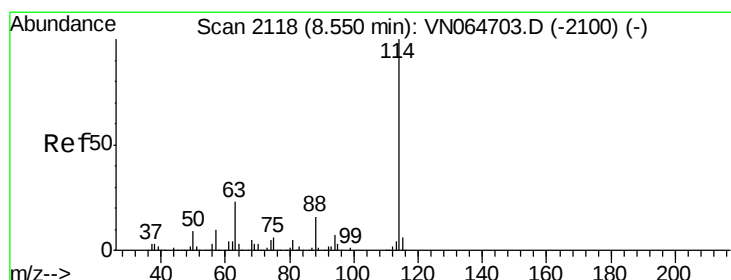
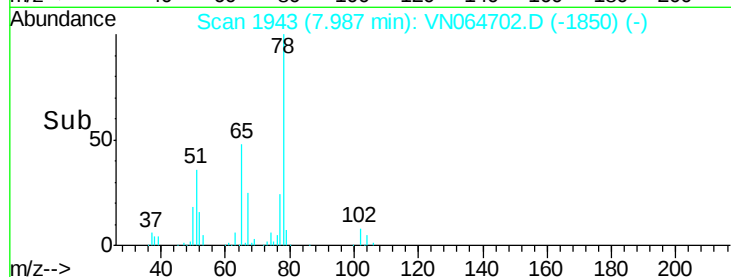
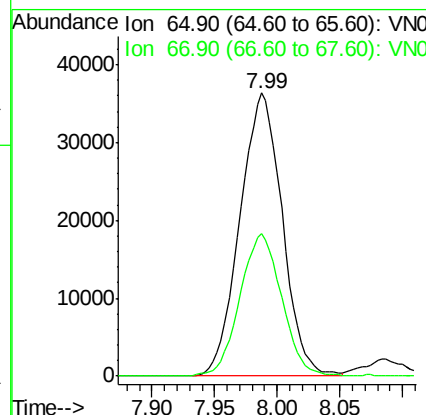
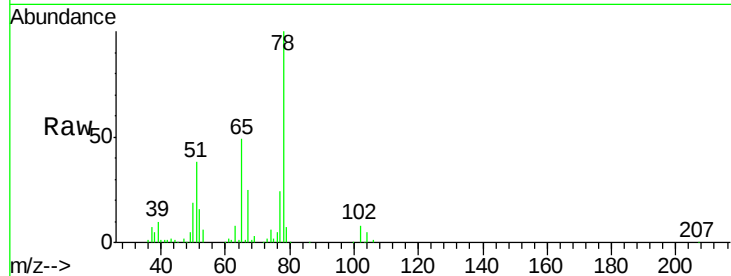
#33
 1,2-Dichloroethane-d4
 Concen: 17.688 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	99.8	

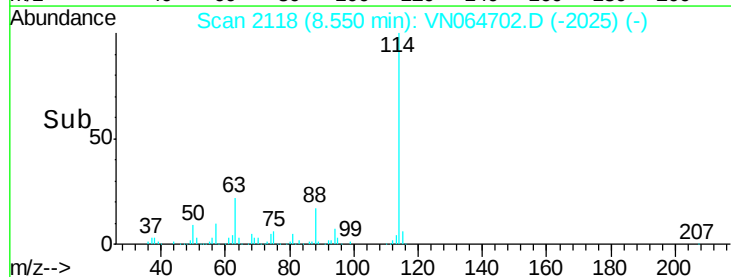
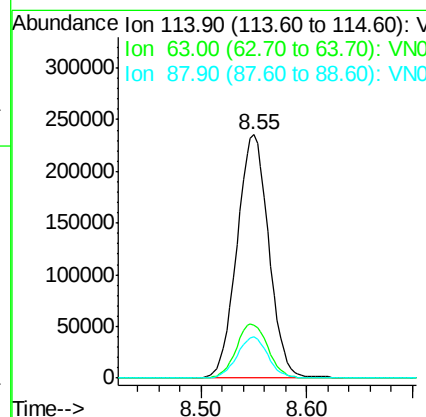
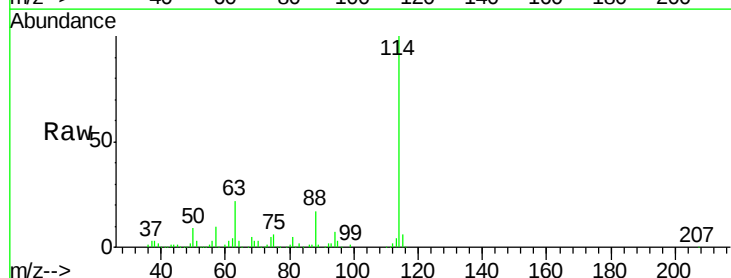
Manual Integrations
 APPROVED

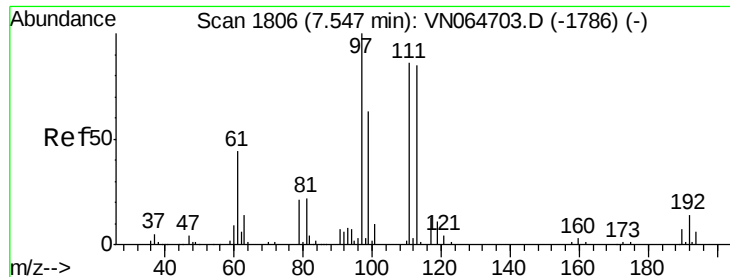
MMDadoda
 11/19/2020 2:10:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	46.0	
88	16.7	0.0	31.2	





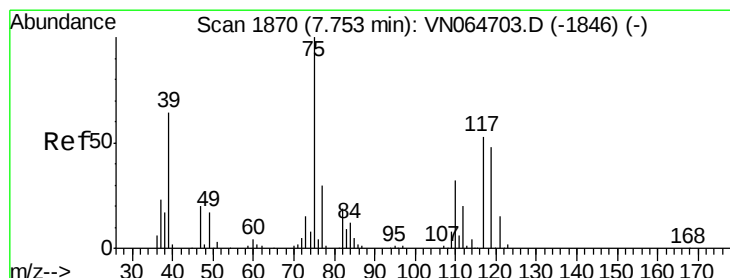
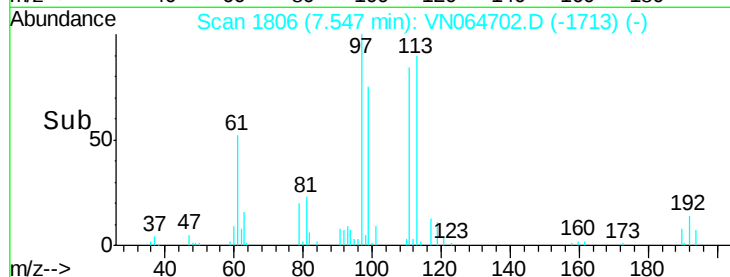
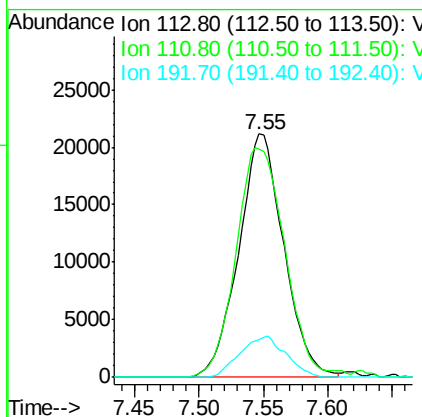
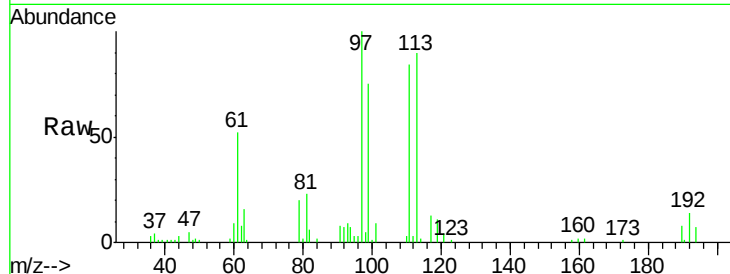
#35
 Dibromofluoromethane
 Concen: 15.867 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	17.2	12.7	19.1

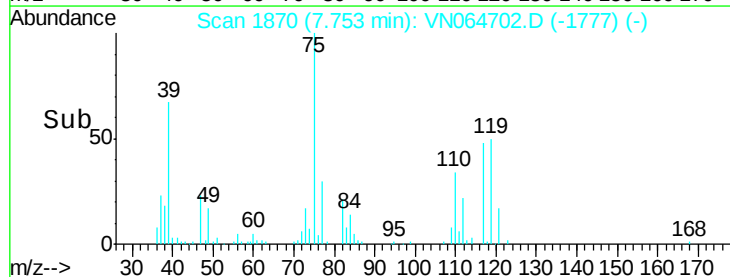
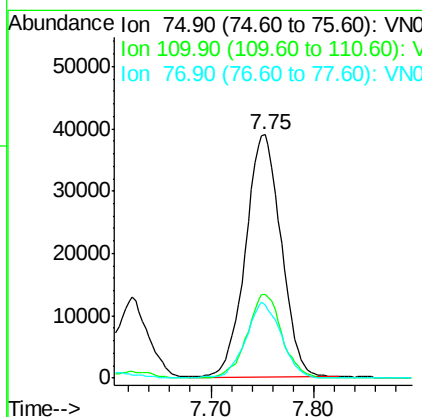
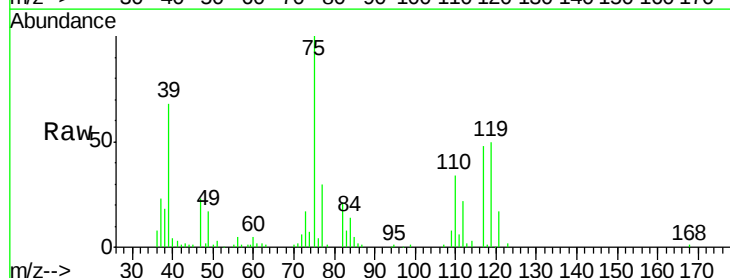
Manual Integrations
 APPROVED

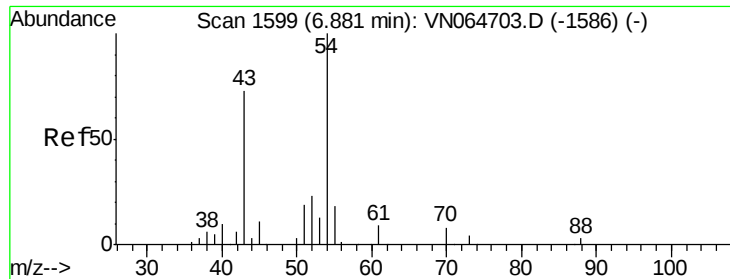
MMDadoda
 11/19/2020 2:10:01 PM



#36
 1,1-Dichloropropene
 Concen: 18.351 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.2	48.6
77	30.7	24.4	36.6





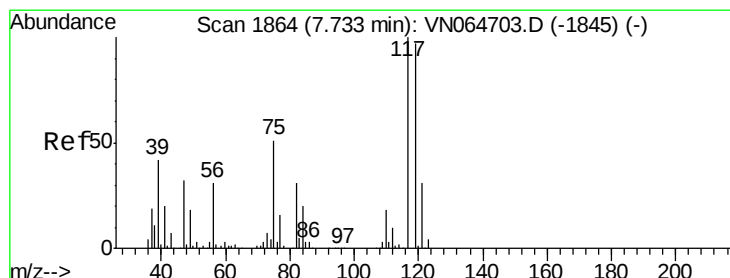
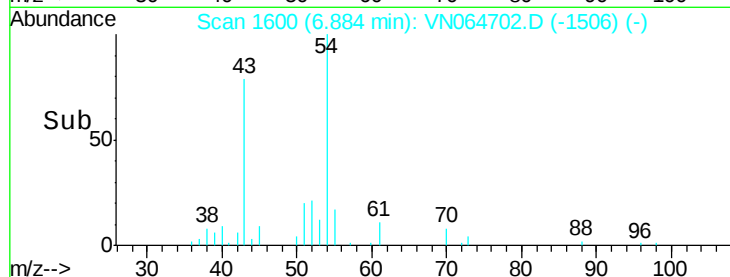
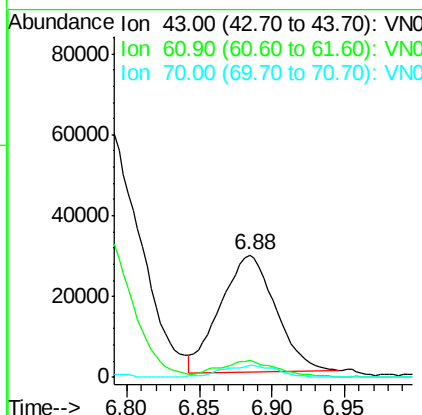
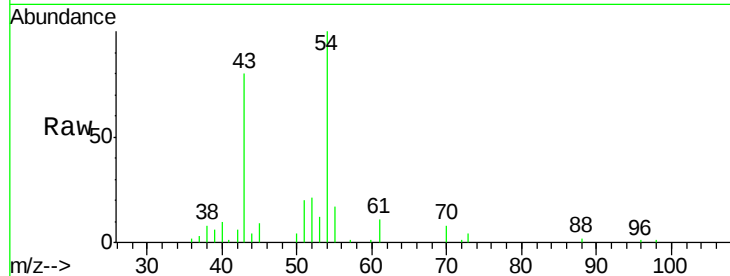
#37
Ethyl Acetate
Concen: 17.210 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	10.5	7.6	11.4

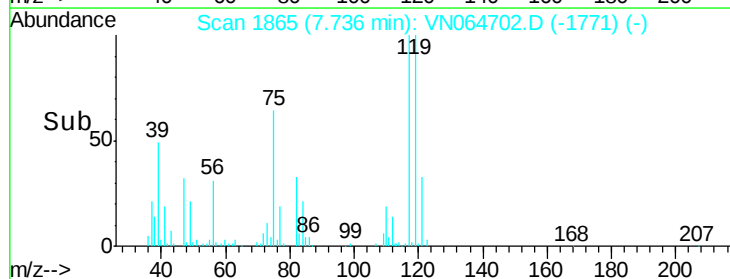
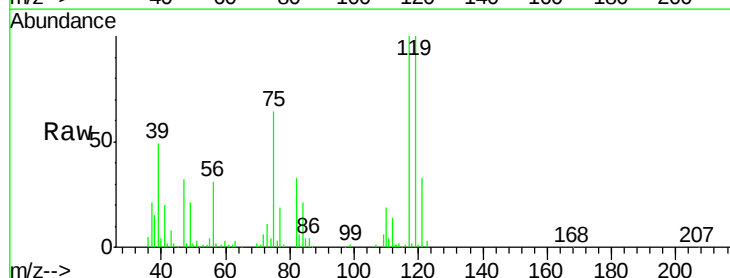
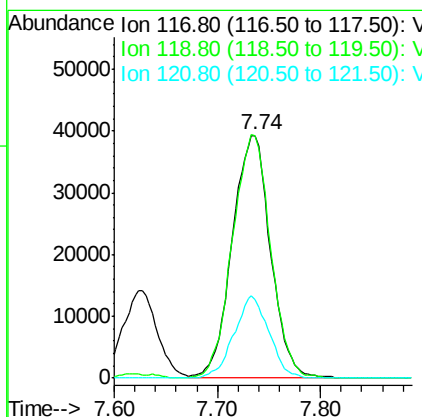
Manual Integrations
APPROVED

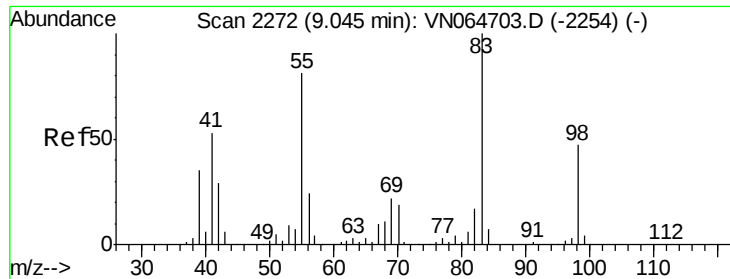
MMDadoda
11/19/2020 2:10:01 PM



#38
Carbon Tetrachloride
Concen: 18.477 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.8	116.6
121	32.6	24.9	37.3





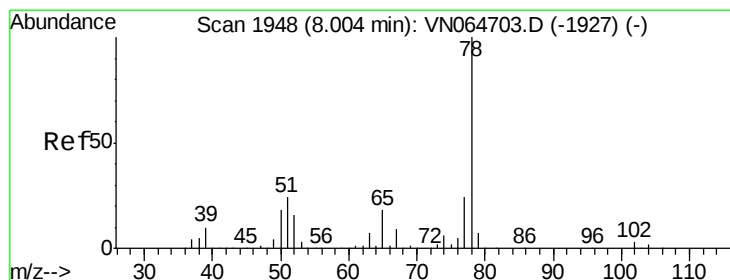
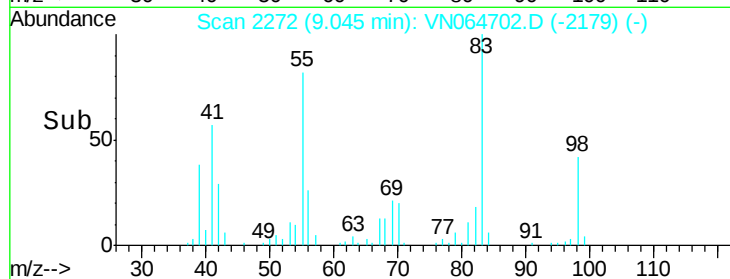
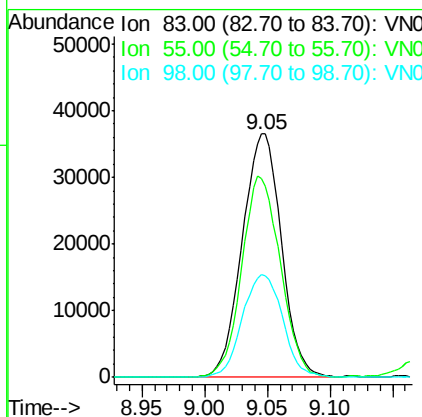
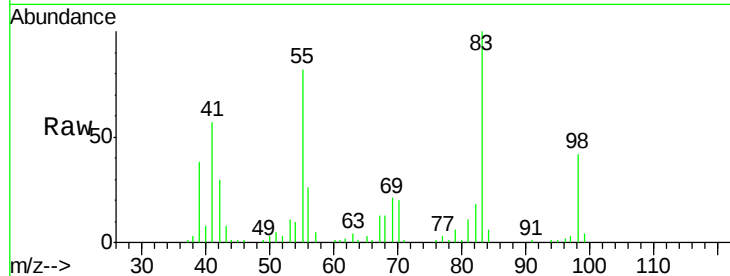
#39
Methvlcvclohexane
Concen: 17.454 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	64.6	97.0
98	42.1	37.7	56.5

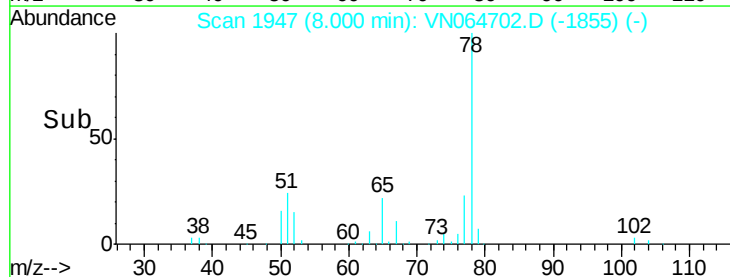
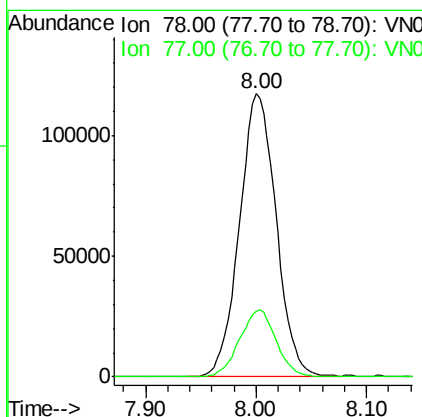
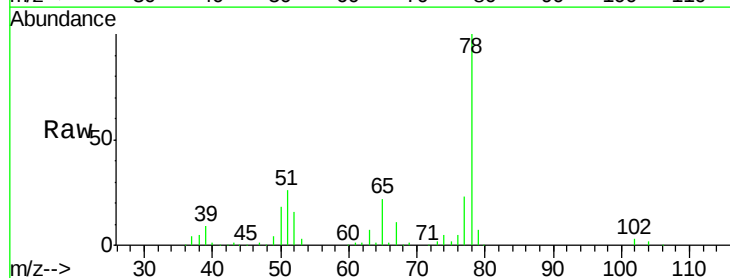
Manual Integrations
APPROVED

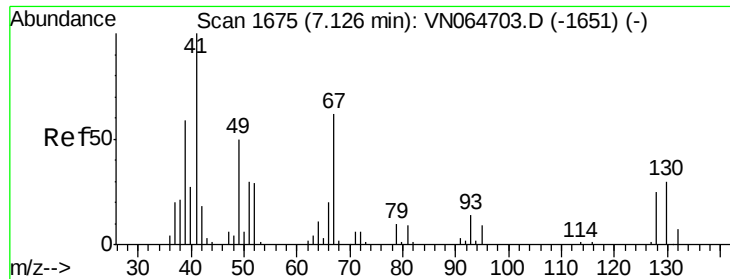
MMDadoda
11/19/2020 2:10:01 PM



#40
Benzene
Concen: 18.063 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





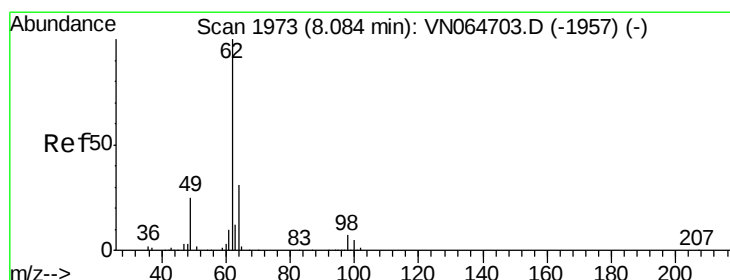
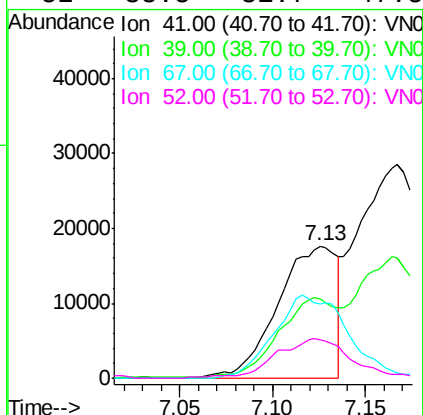
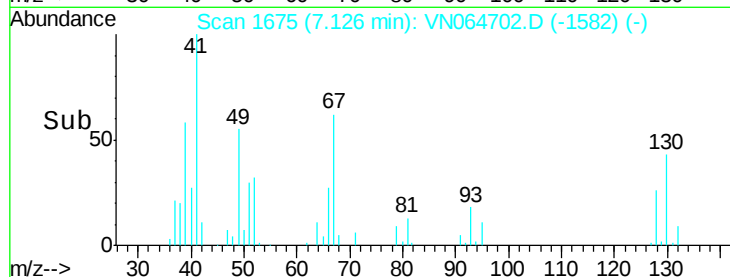
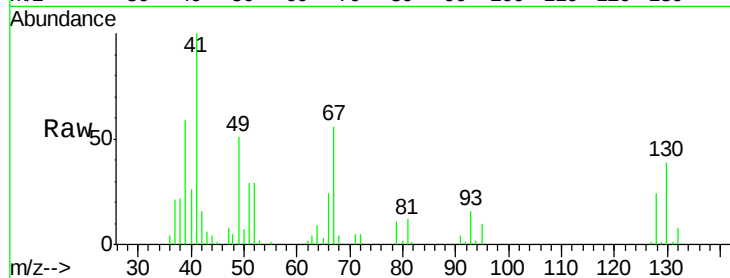
#41
Methacrylonitrile
Concen: 17.187 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	38984
Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.0	69.0
67	78.7	67.0	100.4
52	38.5	31.7	47.5

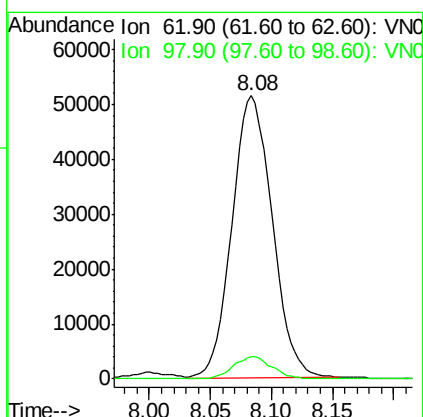
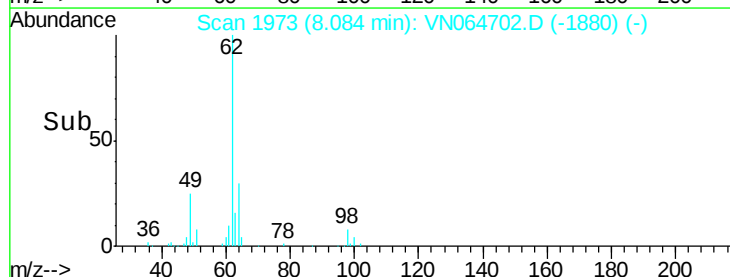
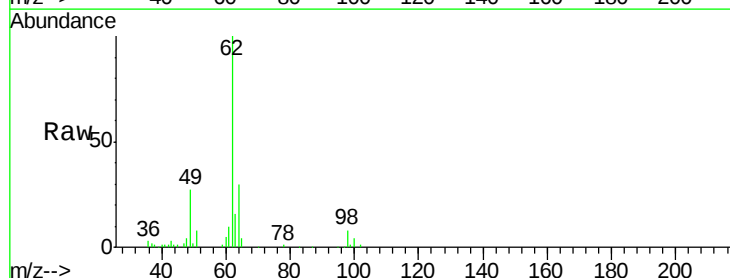
Manual Integrations
APPROVED

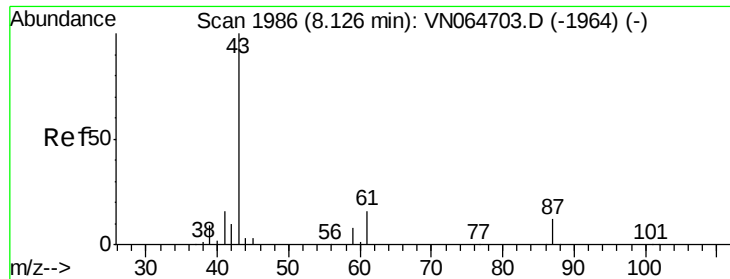
MMDadoda
11/19/2020 2:10:01 PM



#42
1,2-Dichloroethane
Concen: 19.363 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:	62	Resp:	117686
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	13.6





#43

Isopropyl Acetate

Concen: 18.072 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

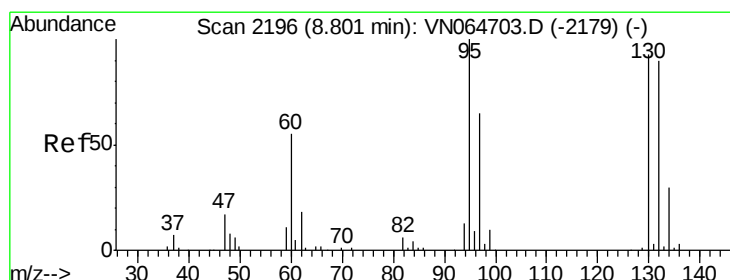
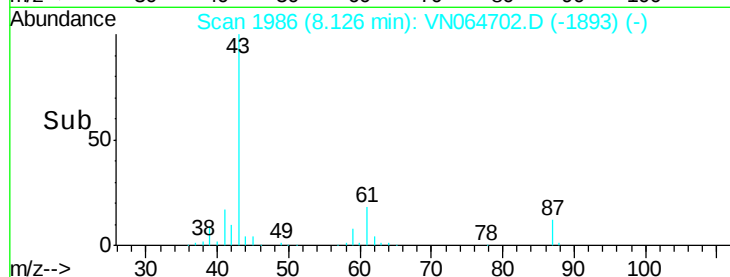
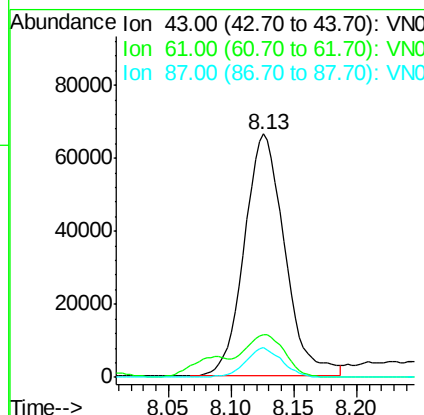
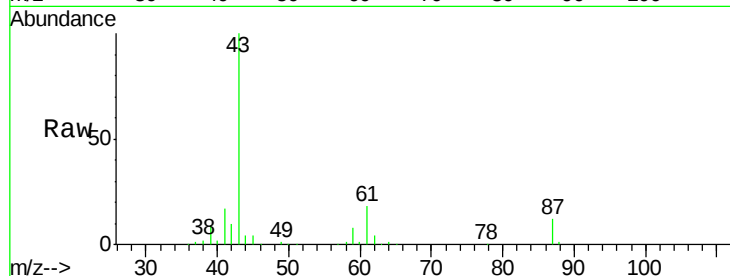
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	148847
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.0	9.1	13.7

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#44

Trichloroethene

Concen: 19.948 ug/l

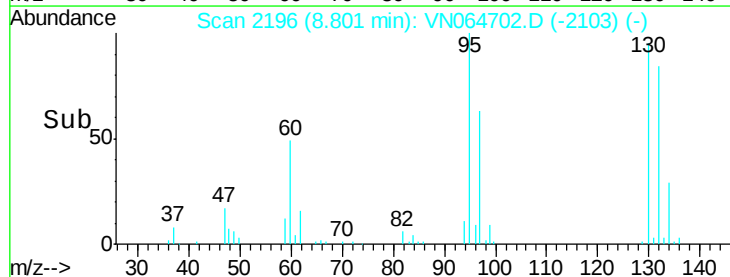
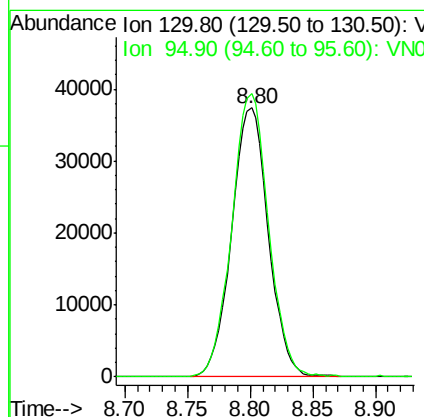
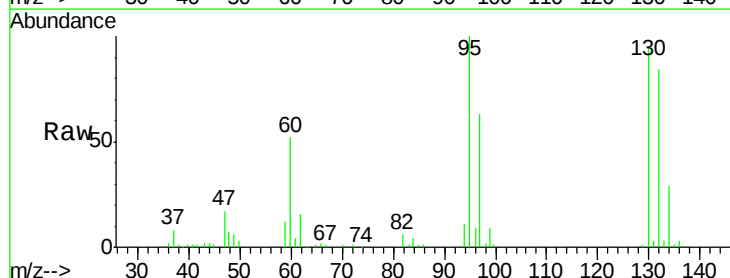
RT: 8.80 min Scan# 2196

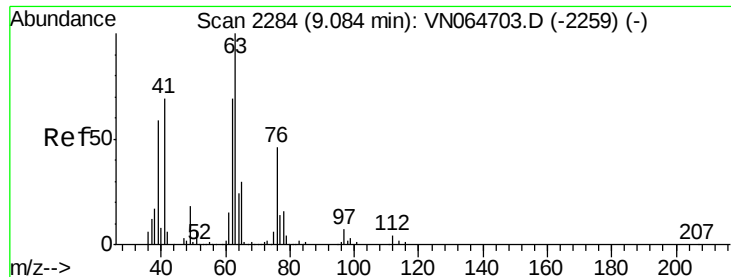
Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion:	130	Resp:	76156
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	214.2





#45

1,2-Dichloropropane

Concen: 18.257 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 72674

Ion Ratio Lower Upper

63 100

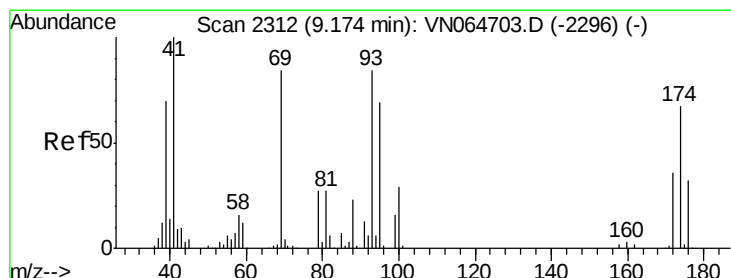
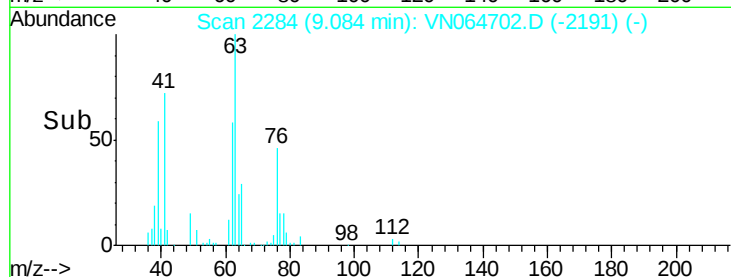
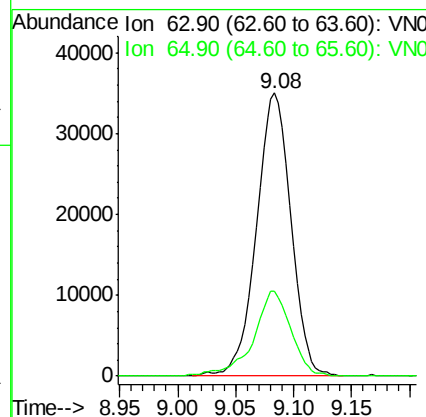
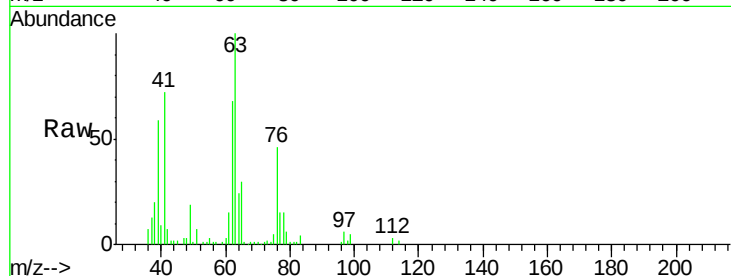
65 30.0 24.0 36.0

Manual Integrations

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#46

Dibromomethane

Concen: 18.967 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

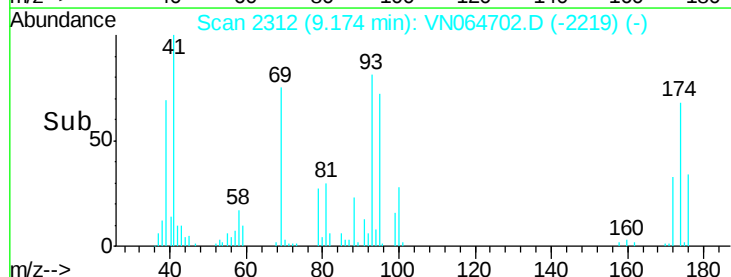
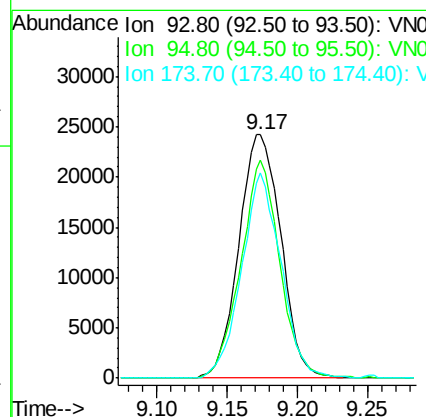
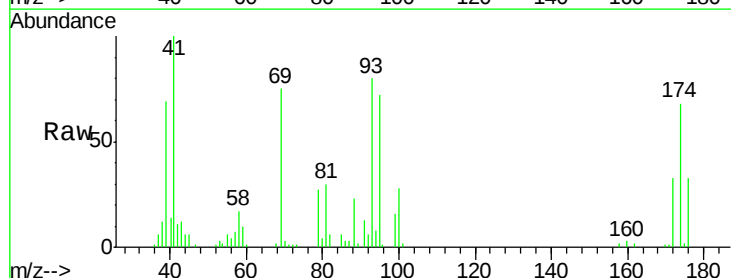
Tgt Ion: 93 Resp: 50500

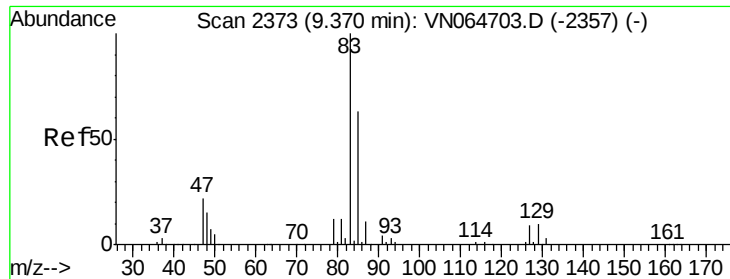
Ion Ratio Lower Upper

93 100

95 83.4 64.6 97.0

174 79.1 64.3 96.5





#47

Bromodichloromethane

Concen: 18.271 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

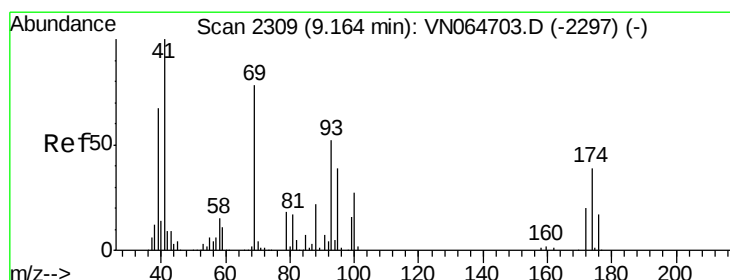
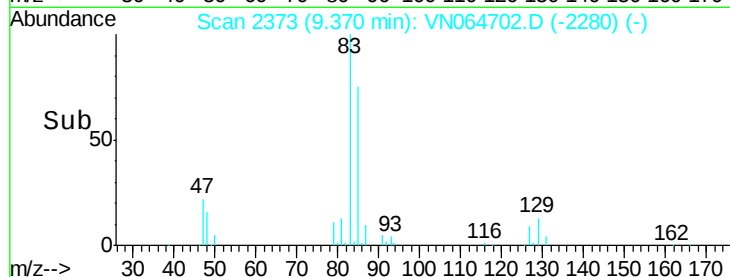
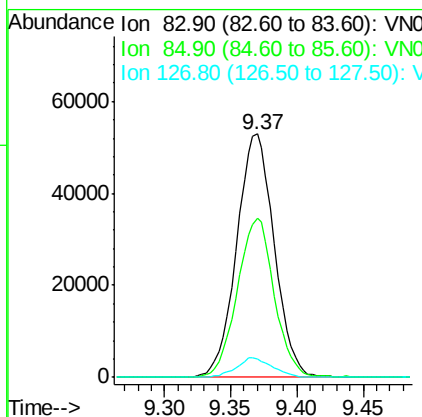
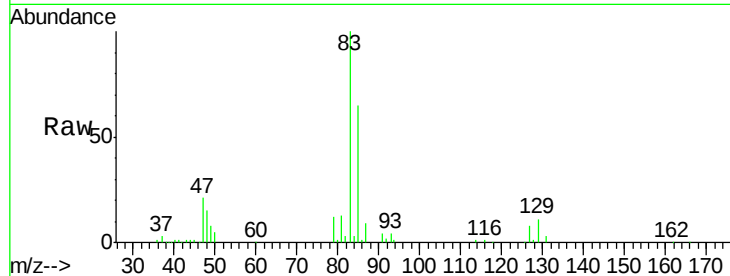
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	104031
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.8	76.2
127	7.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.339 ug/l

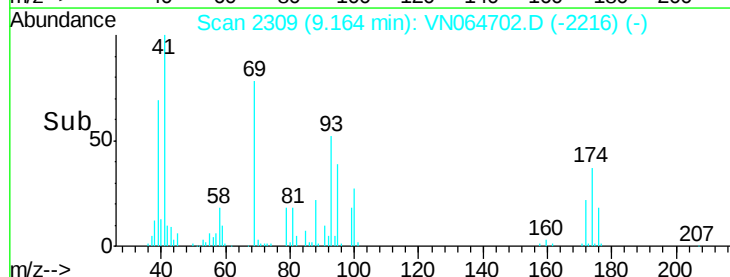
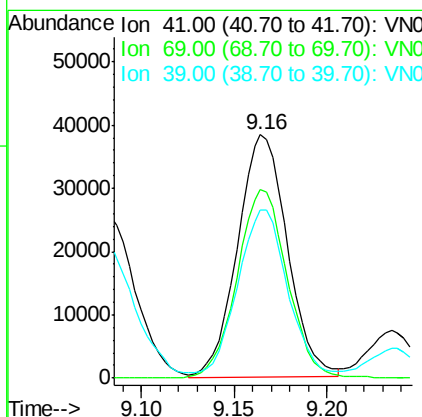
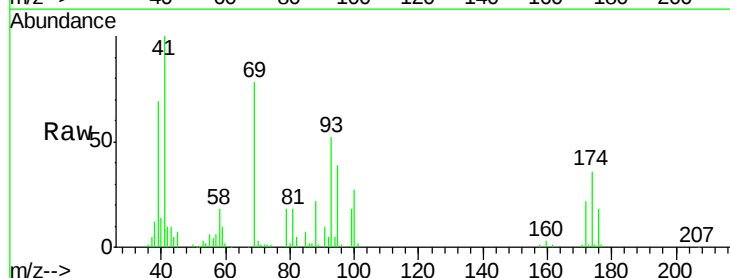
RT: 9.16 min Scan# 2309

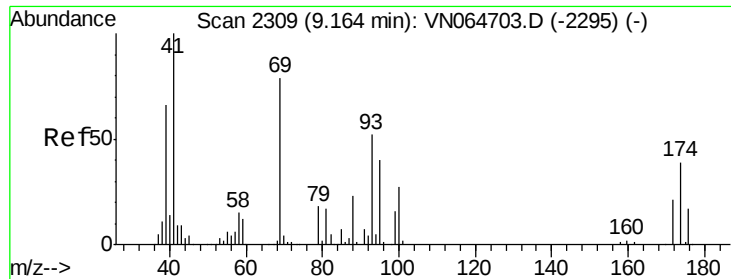
Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion:	41	Resp:	71892
Ion Ratio	Lower	Upper	
41	100		
69	77.9	62.3	93.5
39	69.2	55.1	82.7





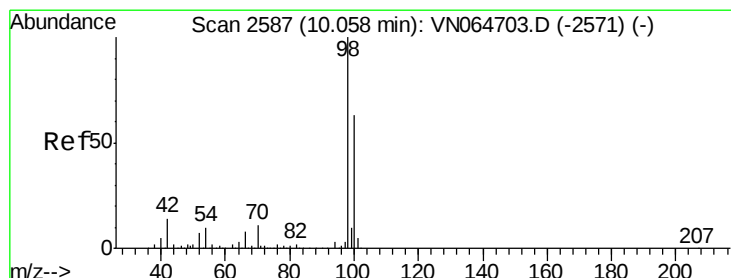
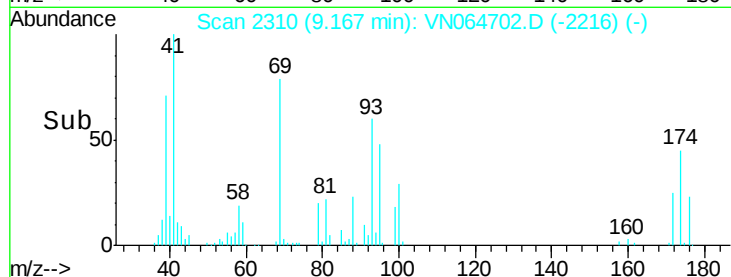
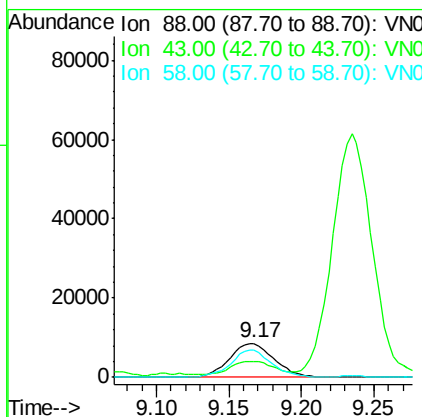
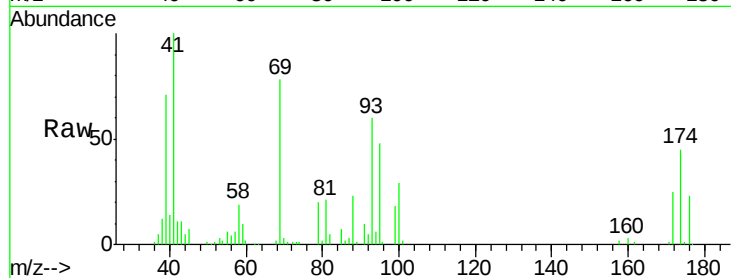
#49
1,4-Dioxane
Concen: 340.240 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	31.3	46.9
58	73.3	55.7	83.5

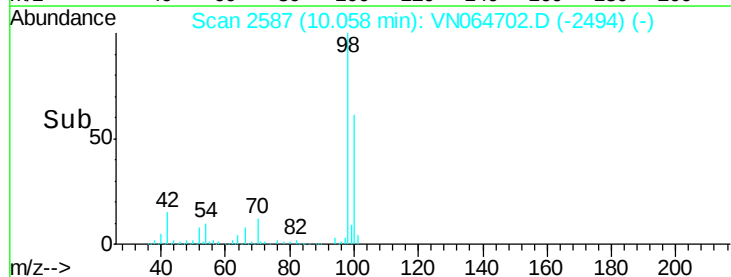
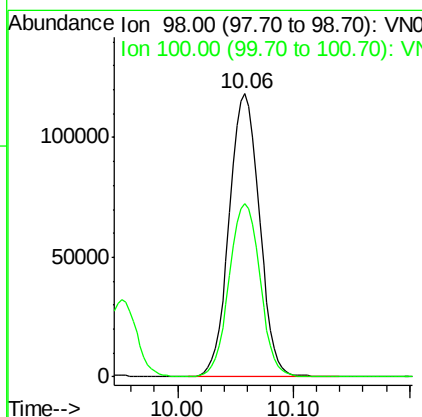
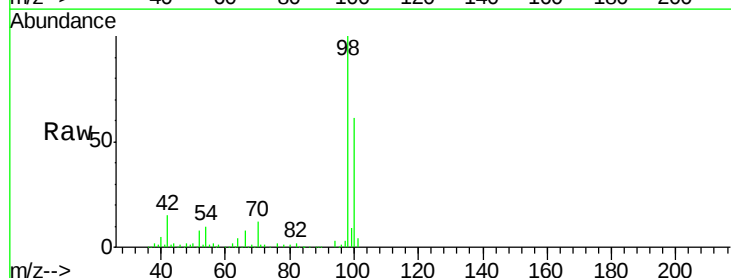
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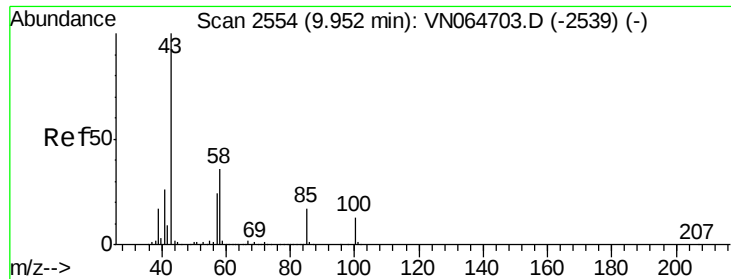
MMDadoda
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#50
Toluene-d8
Concen: 16.605 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 90.514 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 432331

Ion Ratio Lower Upper

43 100

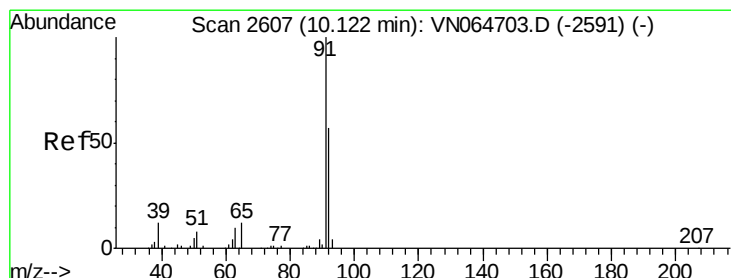
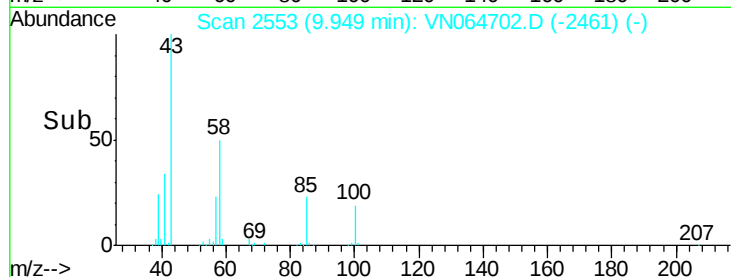
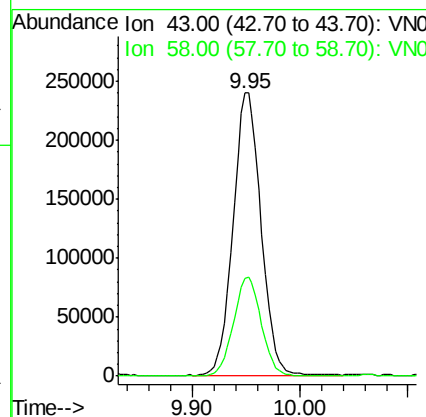
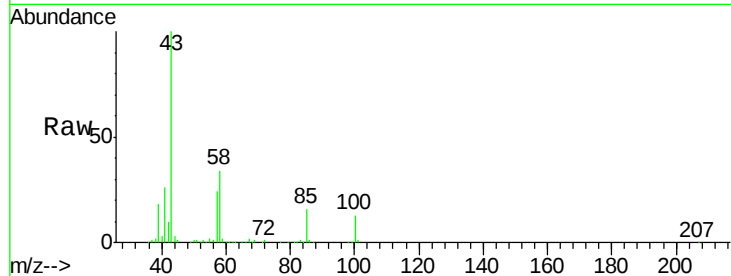
58 35.1 28.5 42.7

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#52

Toluene

Concen: 17.935 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064702.D

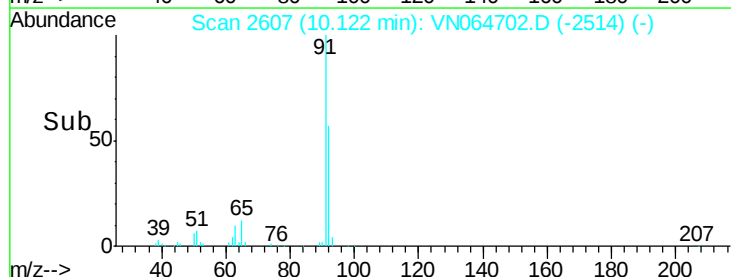
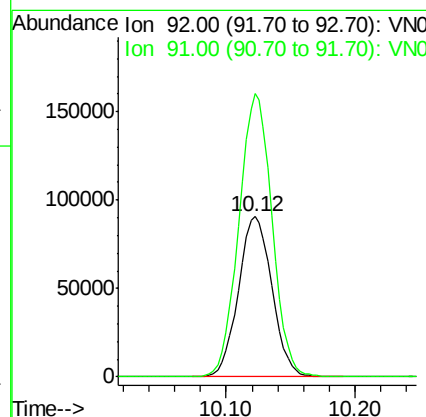
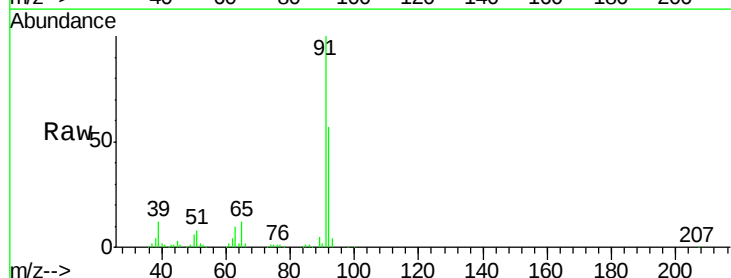
Acq: 18 Nov 2020 12:37

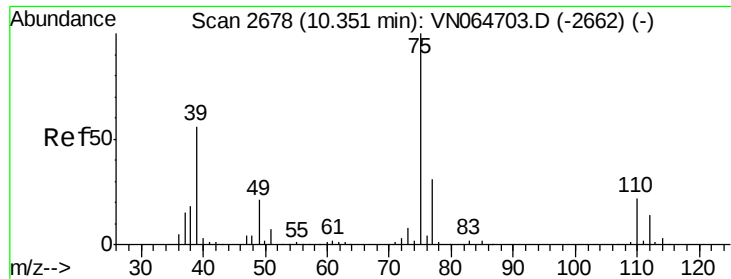
Tgt Ion: 92 Resp: 163850

Ion Ratio Lower Upper

92 100

91 174.2 141.2 211.8





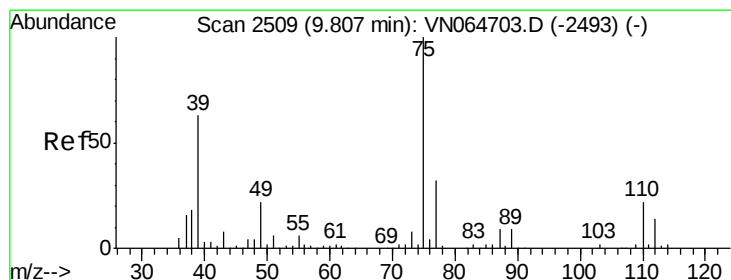
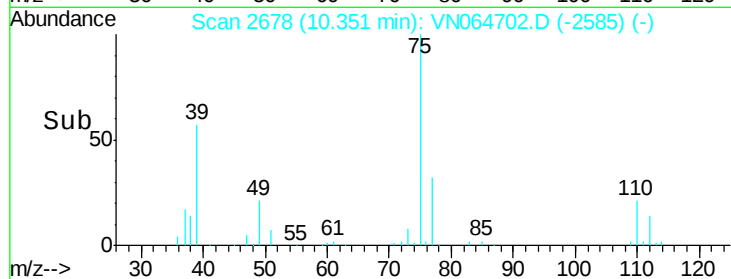
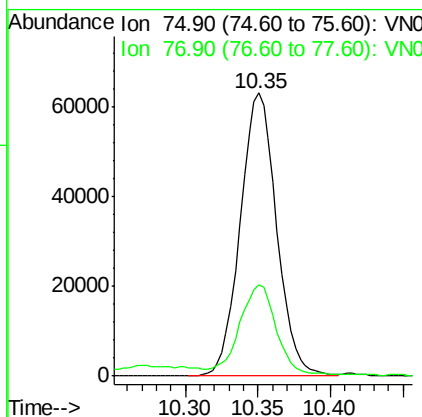
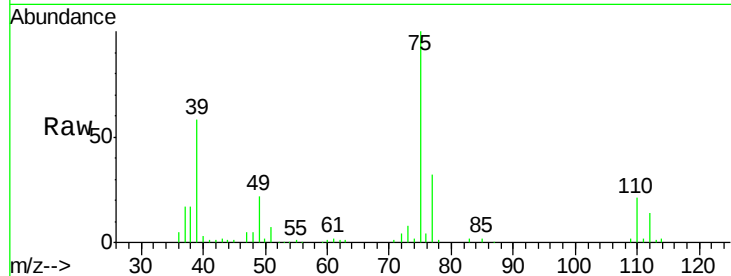
#53
t-1,3-Dichloropropene
Concen: 18.363 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 110303
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

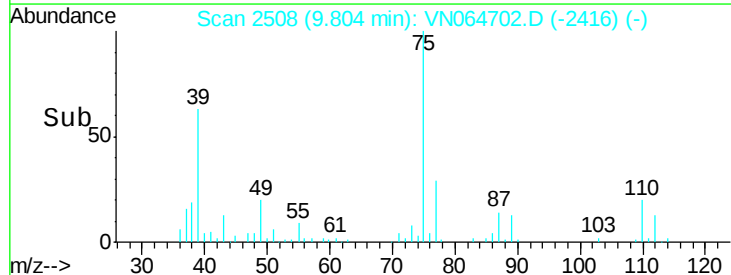
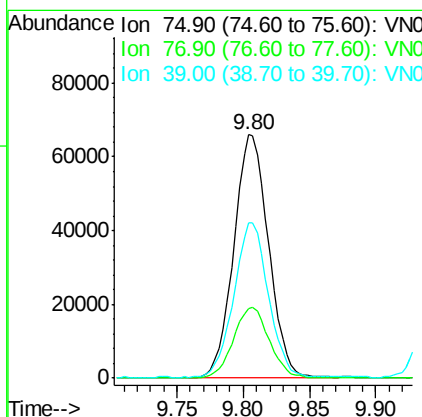
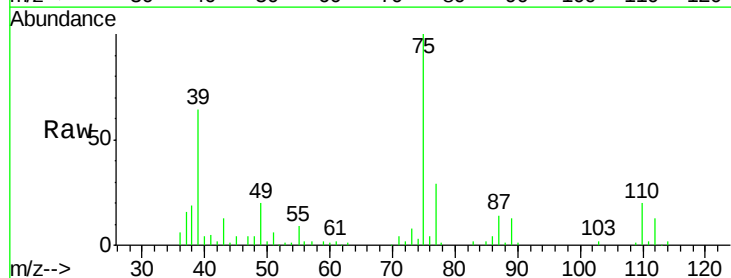
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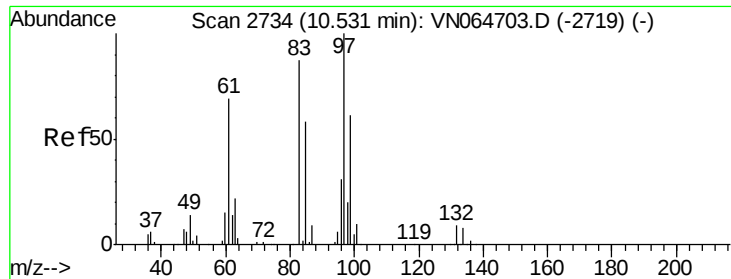
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#54
cis-1,3-Dichloropropene
Concen: 18.809 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 75 Resp: 120172
Ion Ratio Lower Upper
75 100
77 28.5 25.8 38.8
39 63.2 50.5 75.7





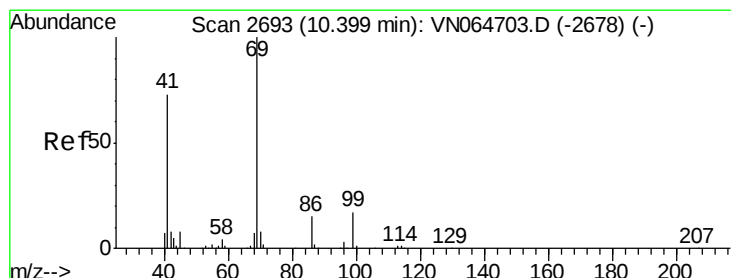
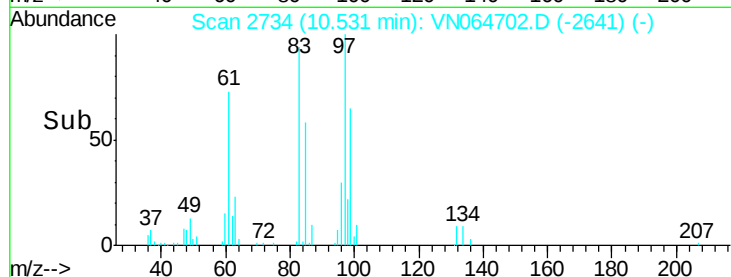
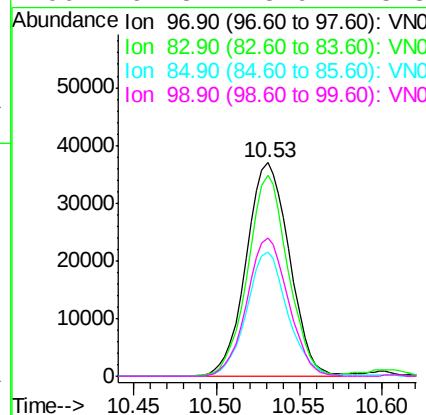
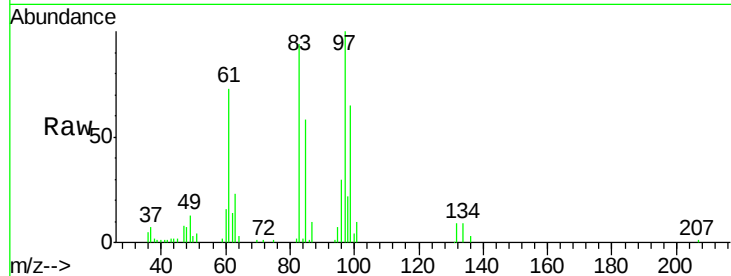
#55
 1,1,2-Trichloroethane
 Concen: 18.712 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	67016
Ion	Ratio	Lower	Upper
97	100		
83	94.2	69.6	104.4
85	58.4	46.6	70.0
99	64.8	48.9	73.3

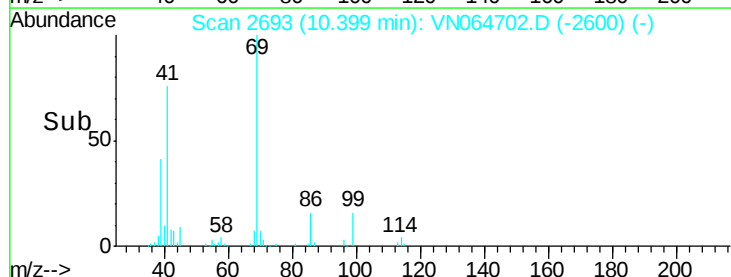
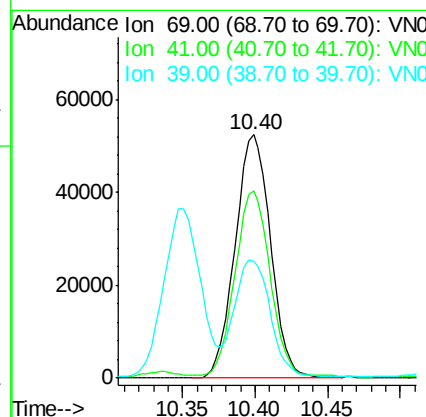
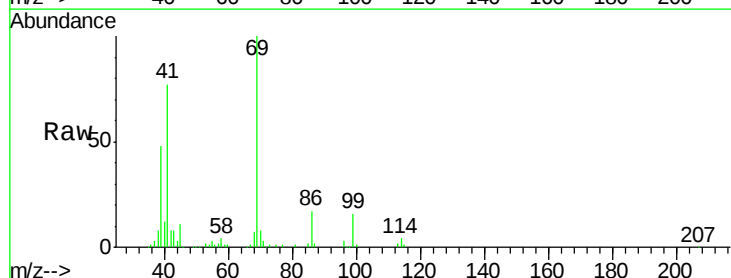
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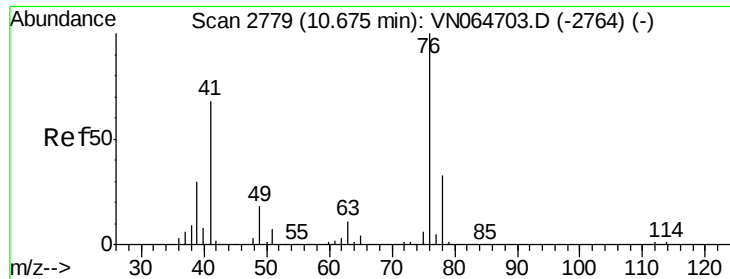
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#56
 Ethyl methacrylate
 Concen: 17.278 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion:	69	Resp:	89202
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.0	88.4
39	48.2	38.4	57.6





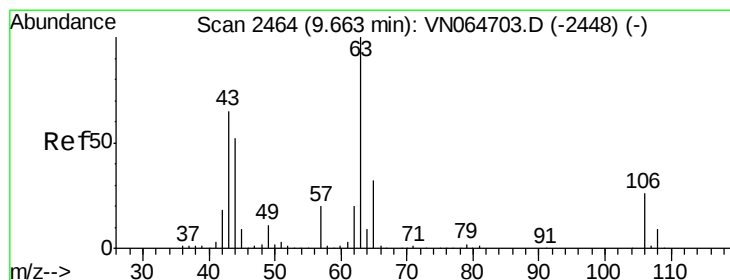
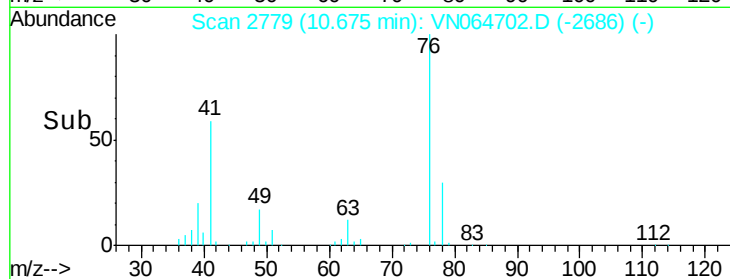
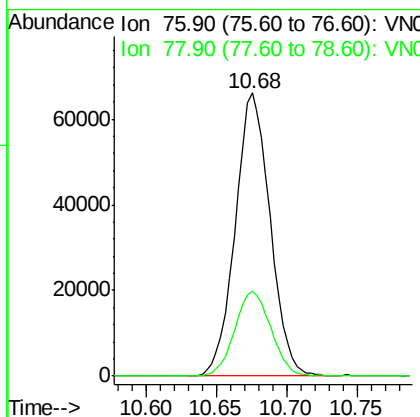
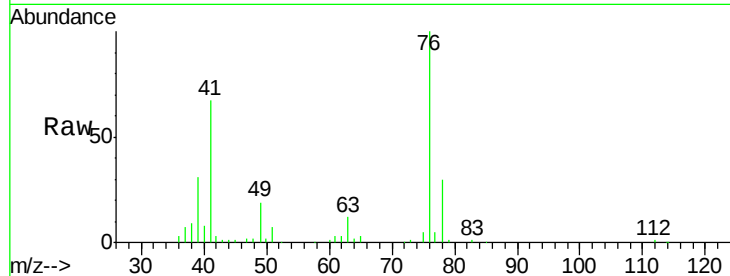
#57
 1,3-Dichloropropane
 Concen: 18.407 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 114672
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.4 39.6

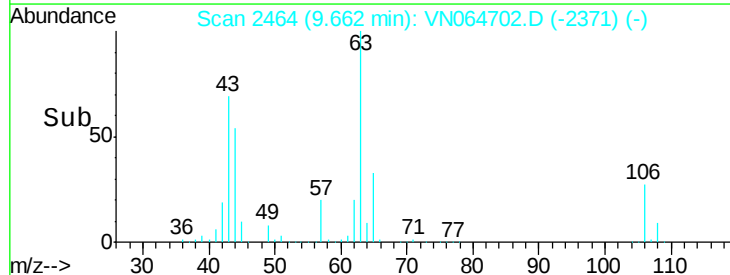
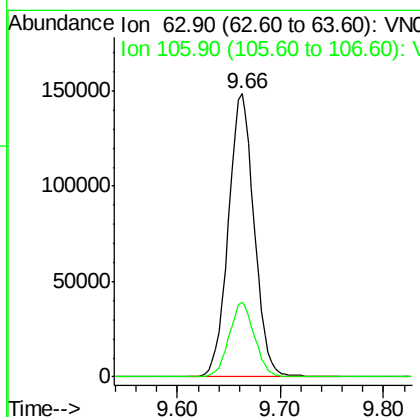
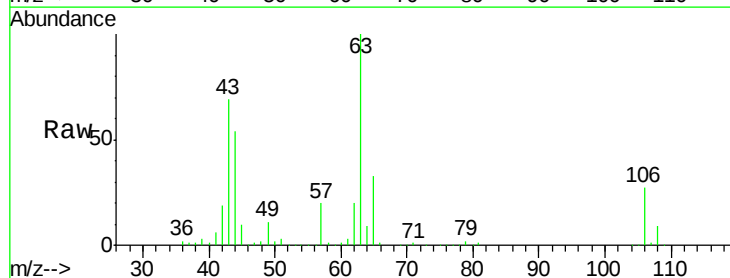
Manual Integrations
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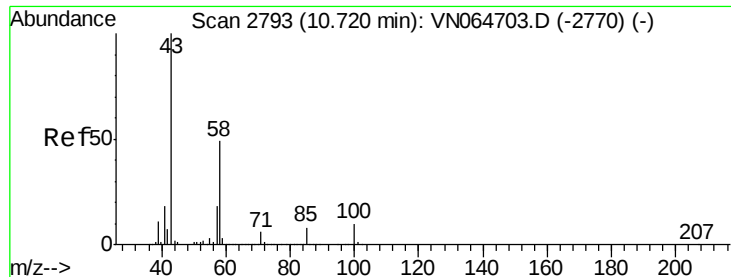
MMDadoda
 11/19/2020 2:10:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.554 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 63 Resp: 259061
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.9 31.3





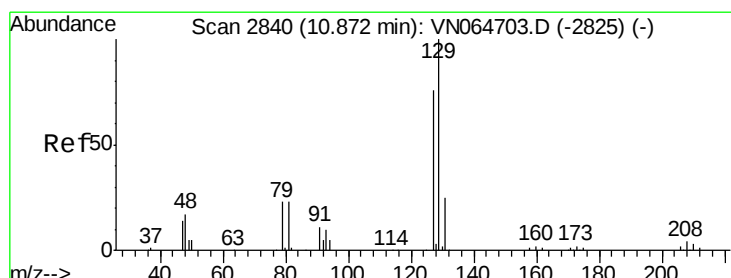
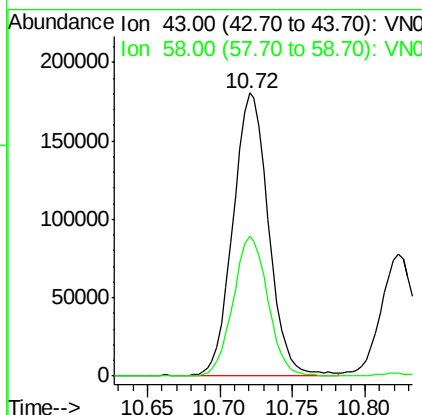
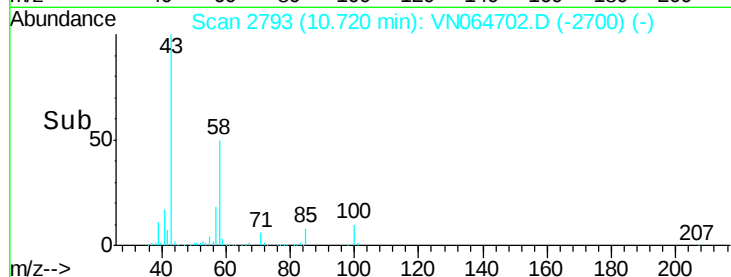
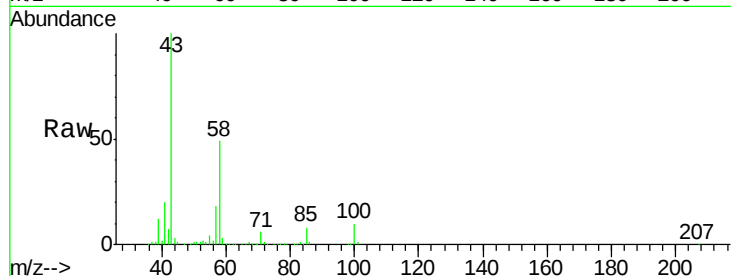
#59
2-Hexanone
Concen: 88.431 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 305239
Ion Ratio Lower Upper
43 100
58 48.8 24.4 73.4

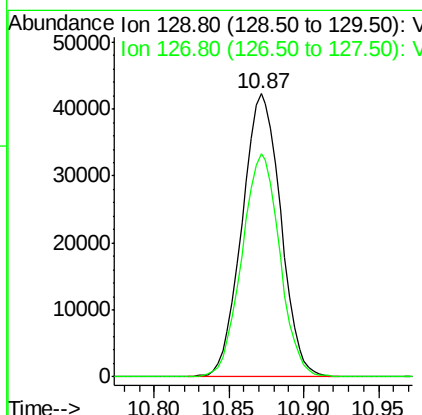
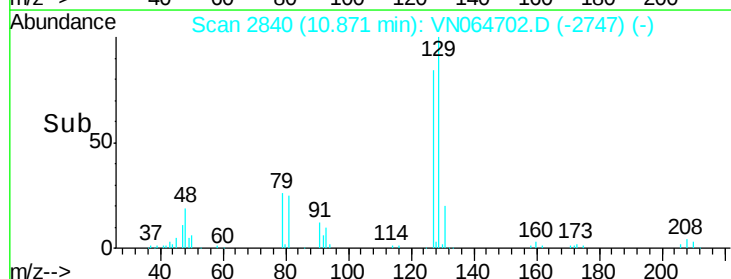
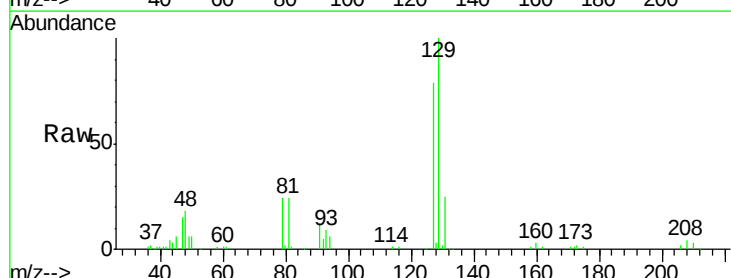
Manual Integrations
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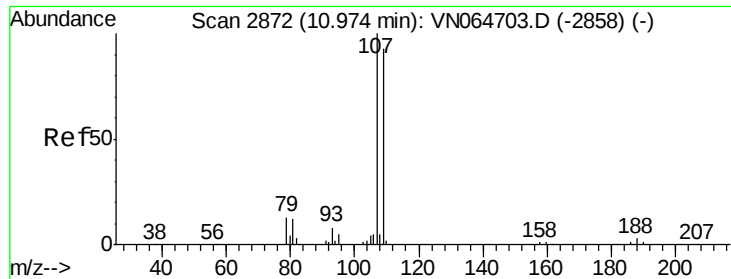
MMDadoda
11/19/2020 2:10:01 PM



#60
Dibromochloromethane
Concen: 18.973 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 129 Resp: 76041
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





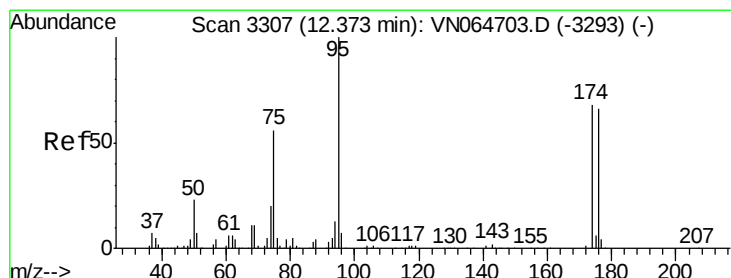
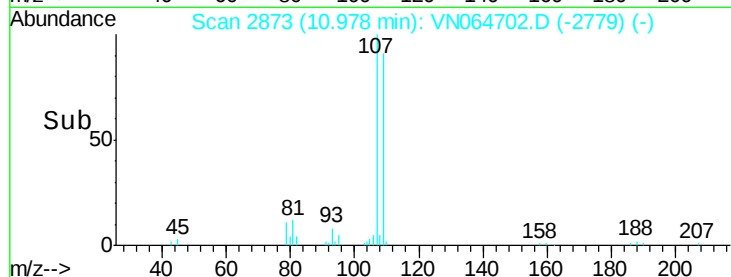
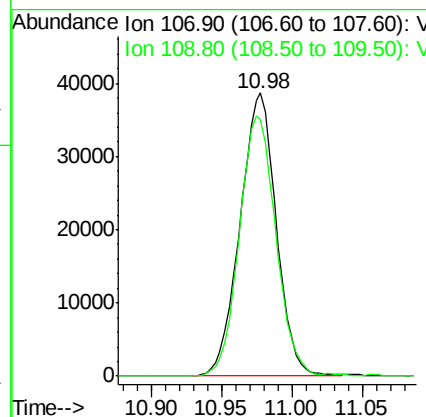
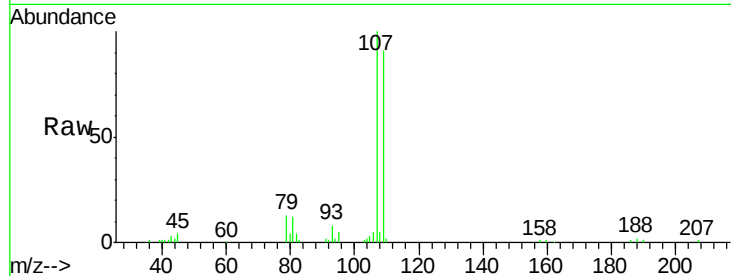
#61
 1,2-Dibromoethane
 Concen: 19.153 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 69672
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.2 111.4

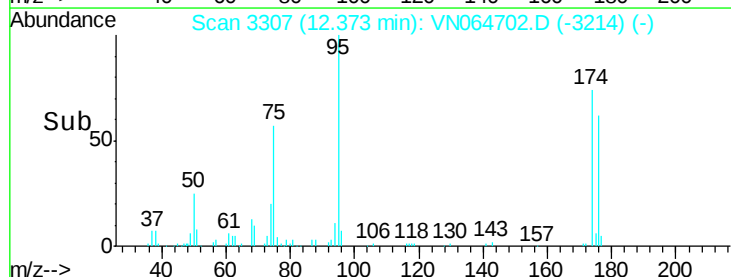
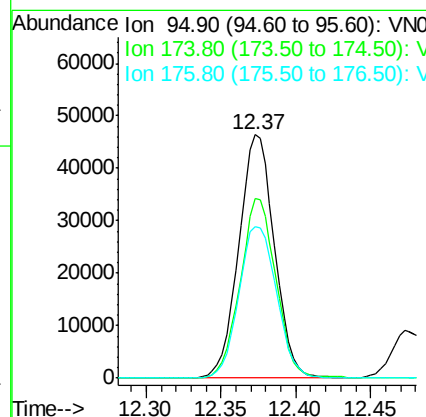
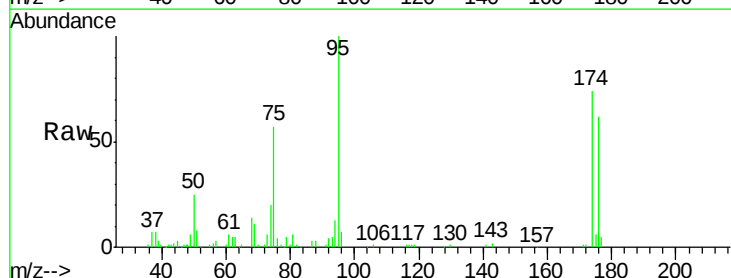
Manual Integrations
 APPROVED

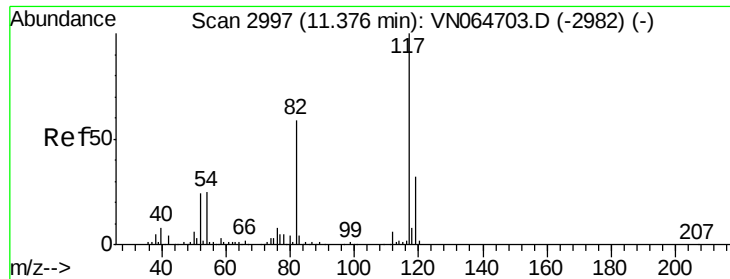
MMDadoda
 11/19/2020 2:10:01 PM



#62
 4-Bromofluorobenzene
 Concen: 15.823 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 95 Resp: 76839
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 136.8
 176 65.9 0.0 134.2





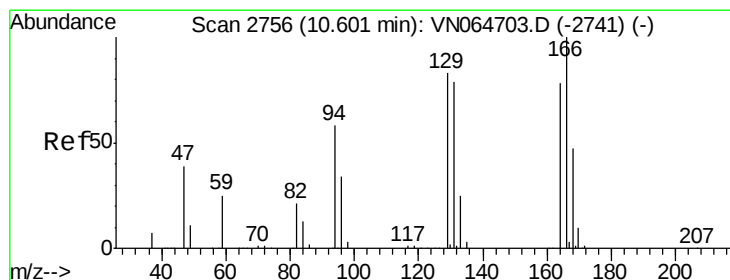
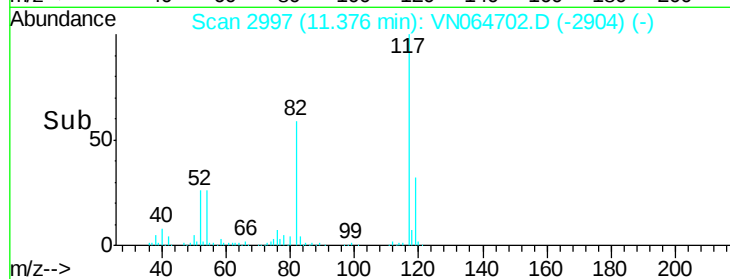
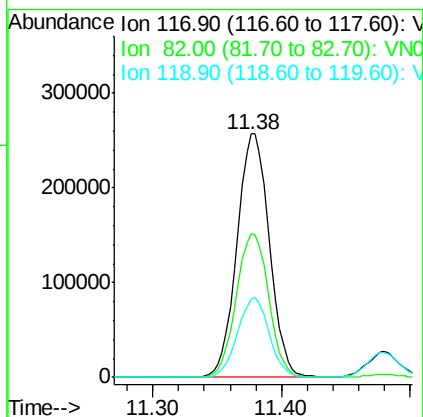
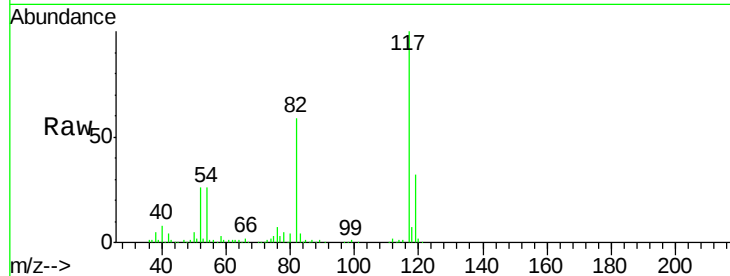
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	449828		
82	59.1		47.0	70.6
119	32.1		25.4	38.2

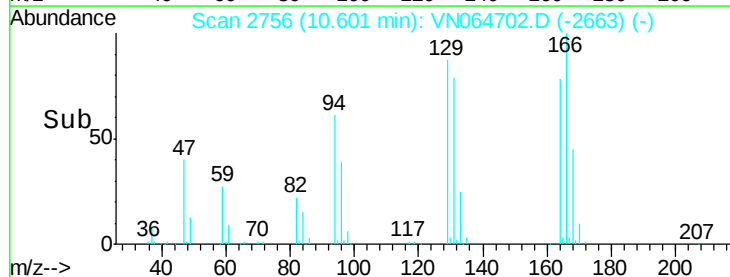
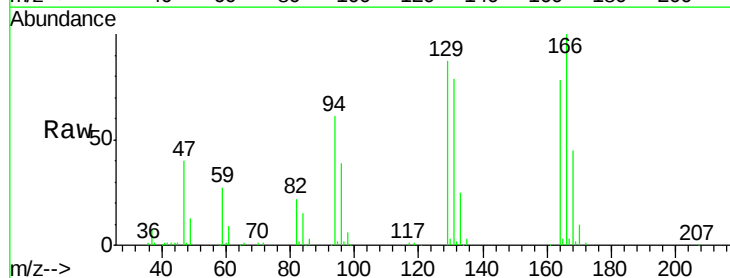
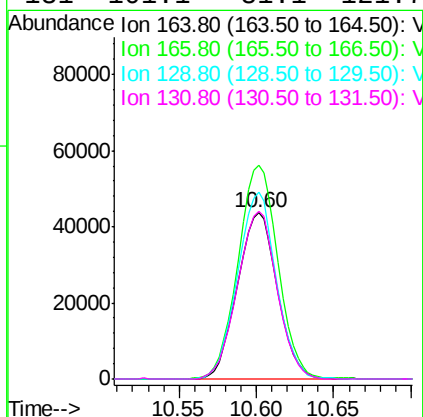
Manual Integrations
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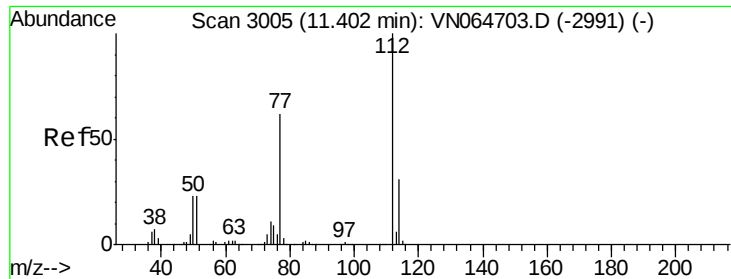
MMDadoda
11/19/2020 2:10:01 PM



#64
Tetrachloroethene
Concen: 22.228 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78246		
166	128.5		102.2	153.4
129	112.4		84.7	127.1
131	101.1		81.1	121.7





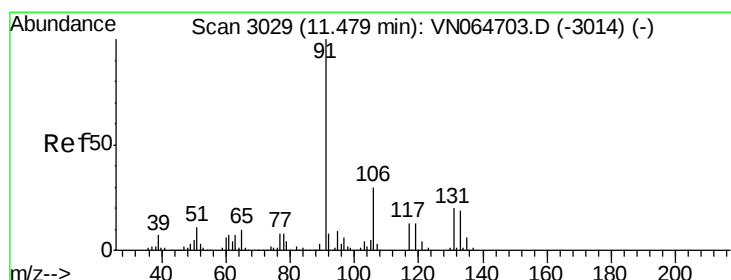
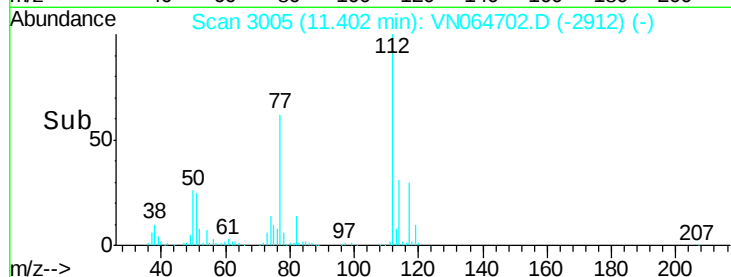
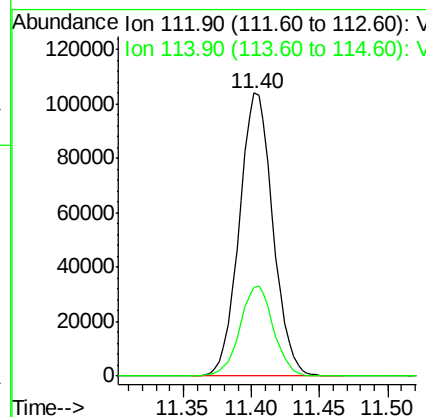
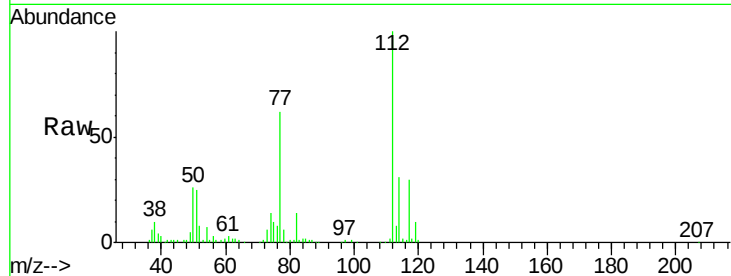
#65
Chlorobenzene
Concen: 18.305 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 178257
Ion Ratio Lower Upper
112 100
114 31.3 24.7 37.1

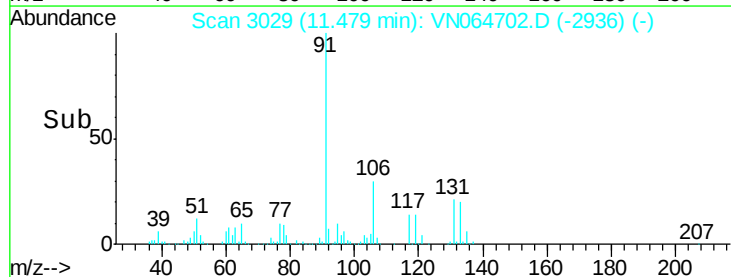
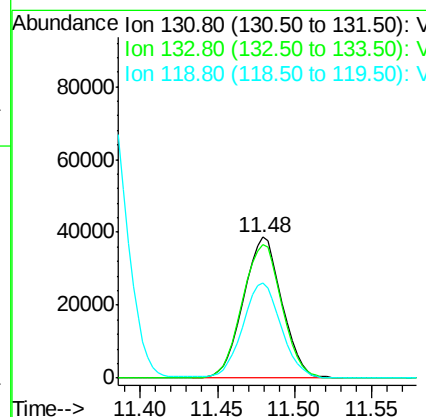
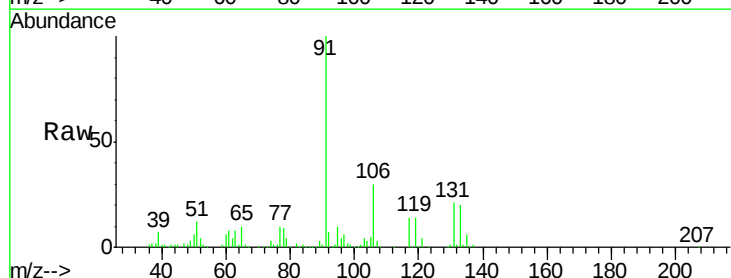
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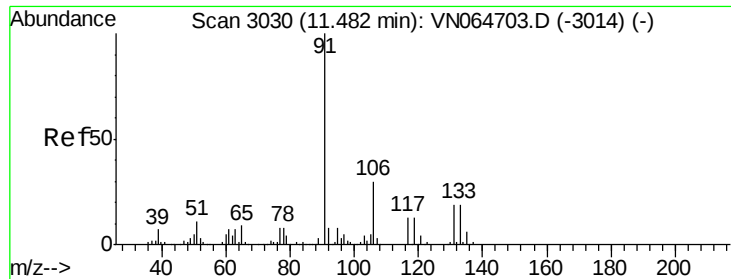
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.543 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion:131 Resp: 67126
Ion Ratio Lower Upper
131 100
133 97.8 48.8 146.4
119 67.7 33.5 100.4





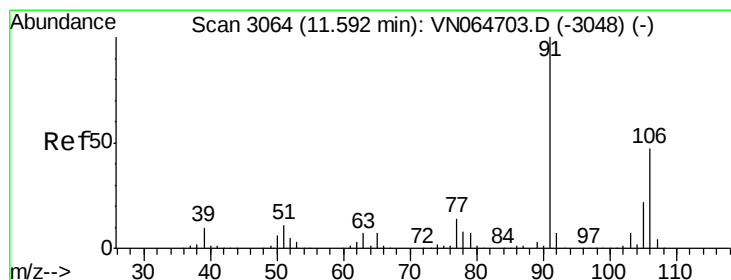
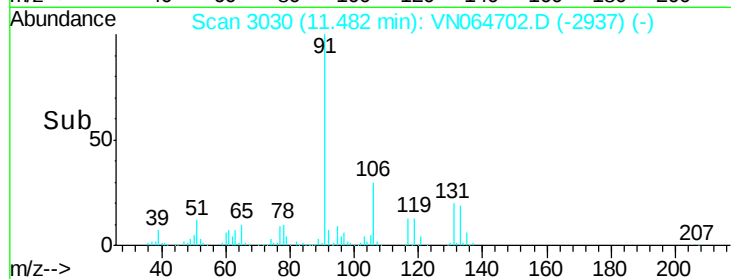
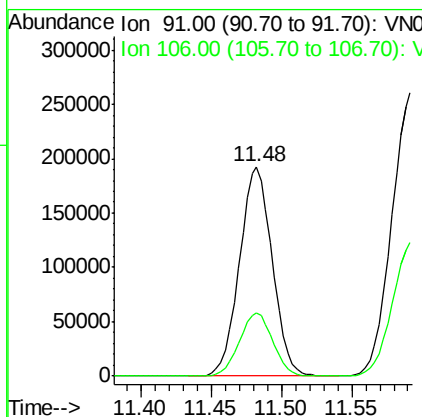
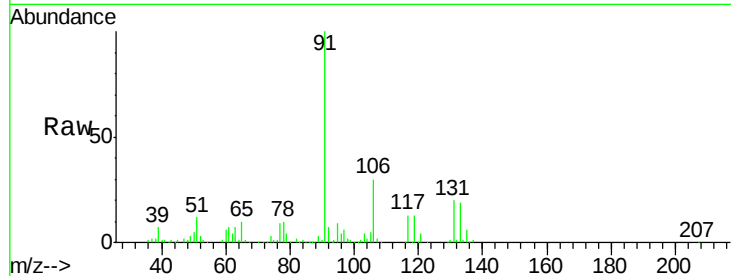
#67
Ethyl Benzene
Concen: 18.248 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 313939
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9

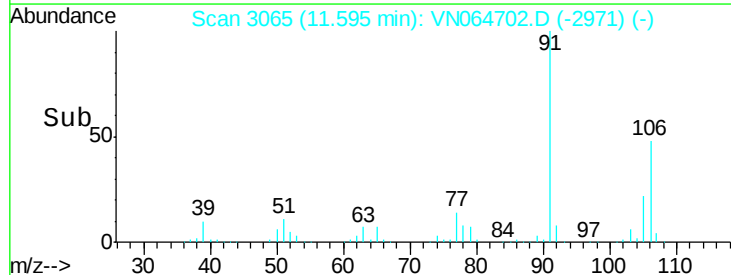
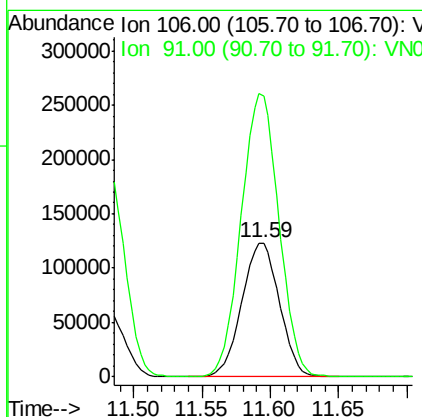
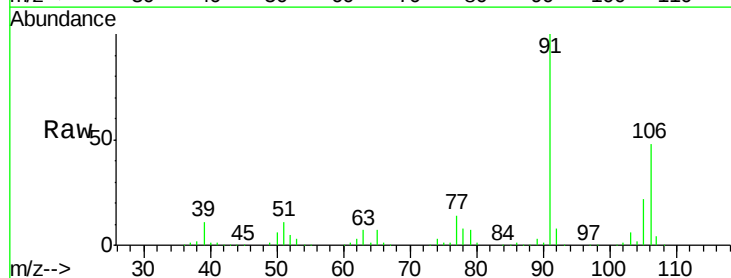
Manual Integrations
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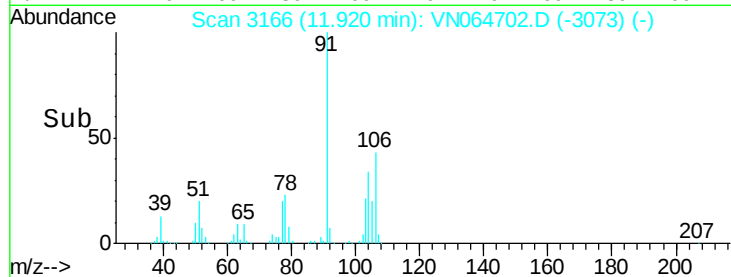
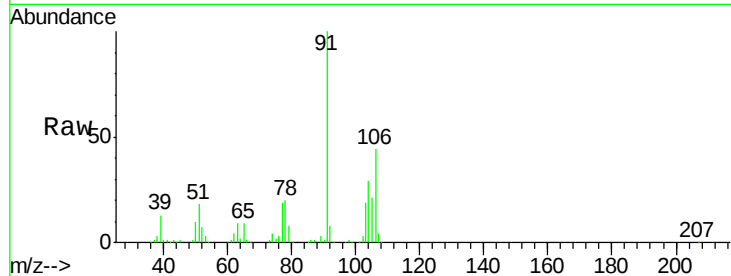
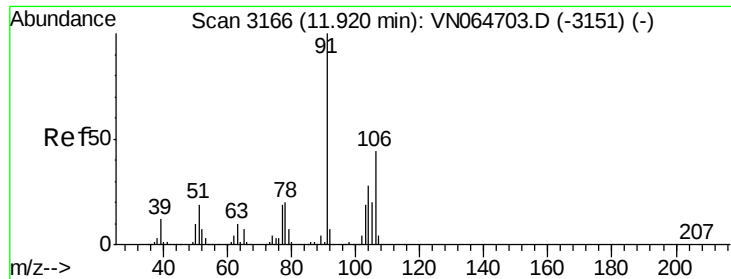
MMDadoda
11/19/2020 2:10:01 PM



#68
m/p-Xylenes
Concen: 37.513 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion: 106 Resp: 234761
Ion Ratio Lower Upper
106 100
91 212.0 171.9 257.9





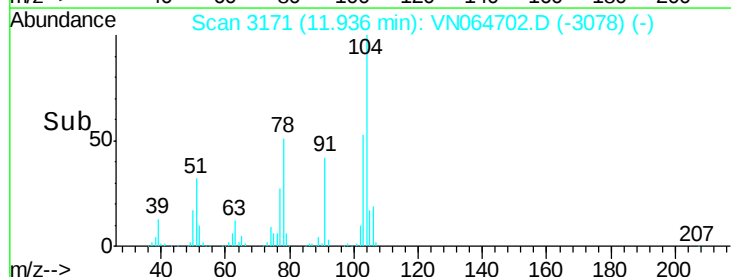
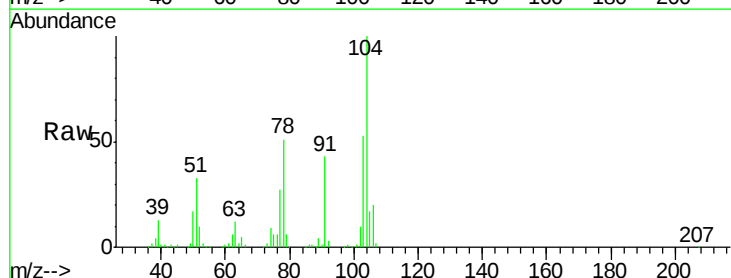
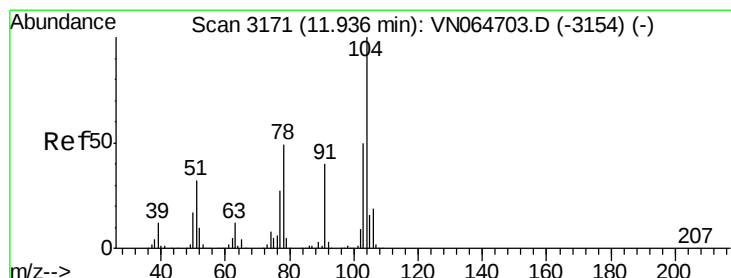
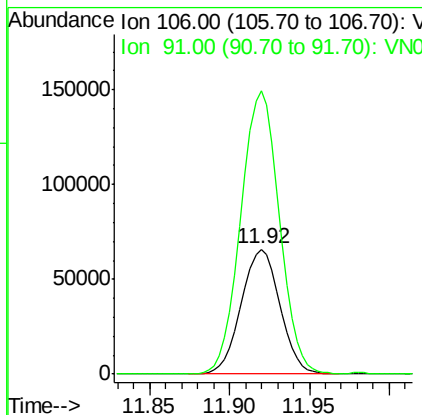
#69
o-Xylene
Concen: 18.037 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	108930		
91	91	225.7	112.1	336.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

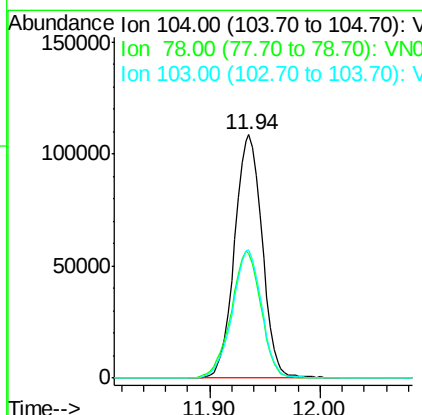
Manual Integrations
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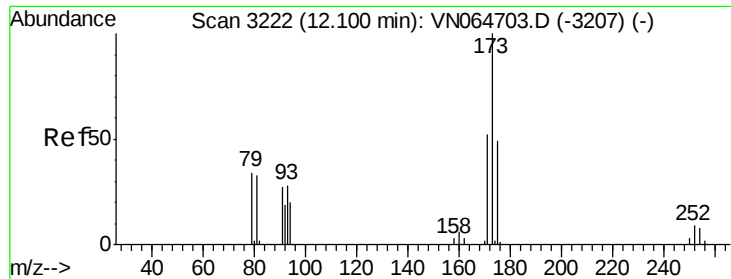
MMDadoda
11/19/2020 2:10:01 PM



#70
Styrene
Concen: 18.522 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	188565		
78	78	56.4	44.1	66.1	
103	103	55.6	43.7	65.5	





#71

Bromoform

Concen: 19.387 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

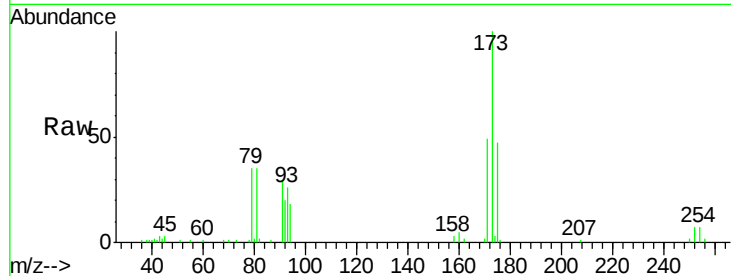
ClientSampleId :

VSTDIC020

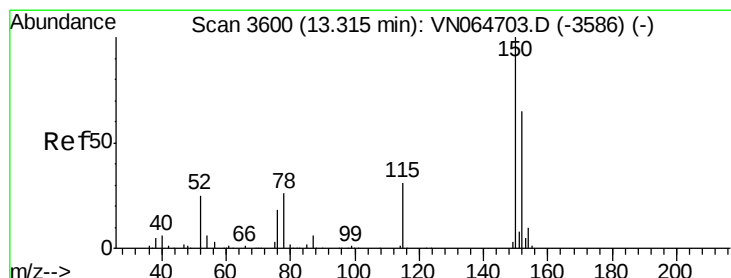
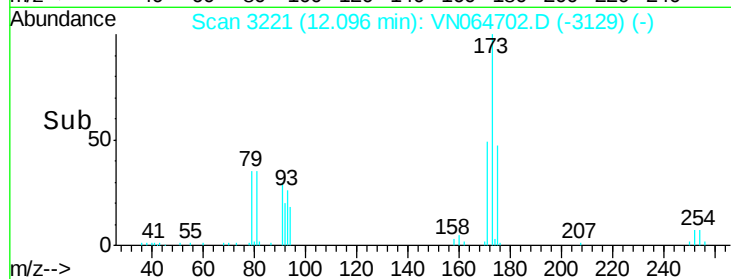
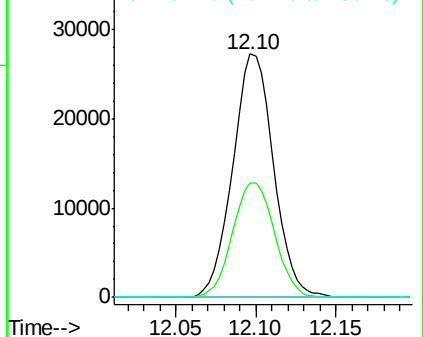
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

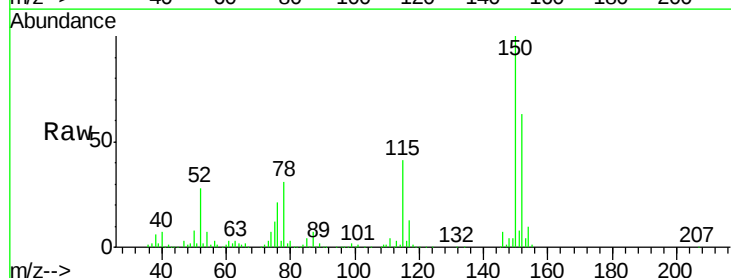
RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

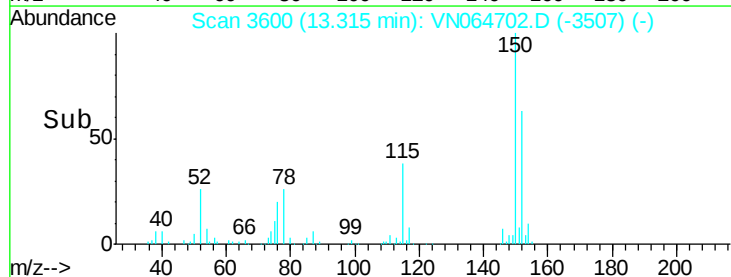
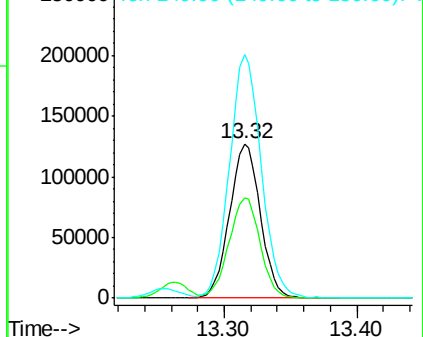
Lab File: VN064702.D

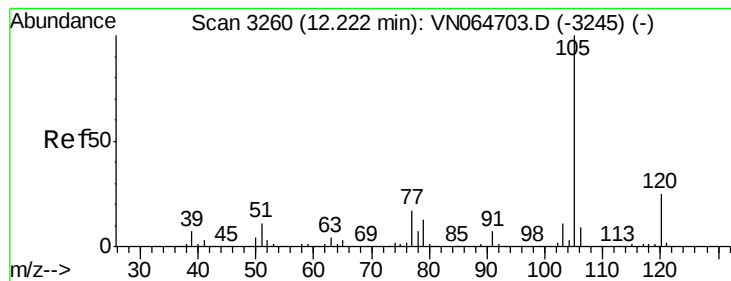
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	32.1	96.3
150	163.0	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.925 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 283769

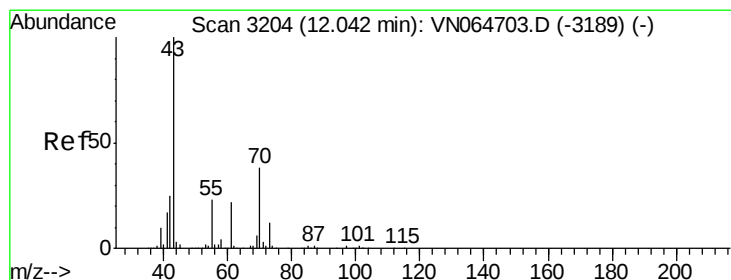
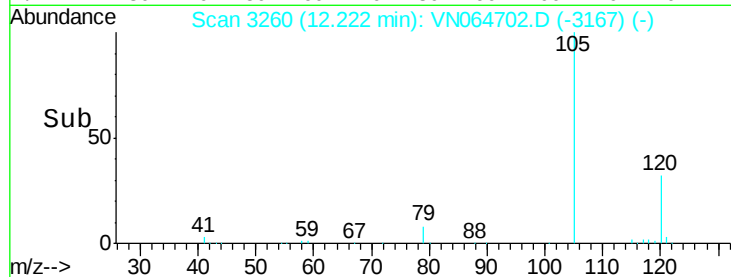
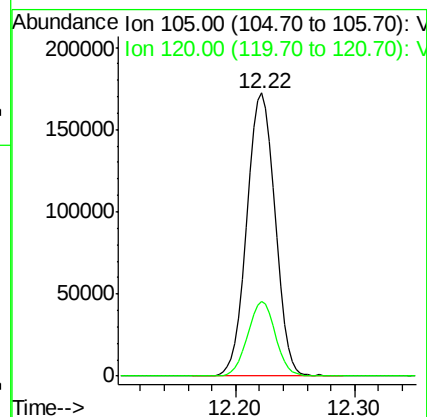
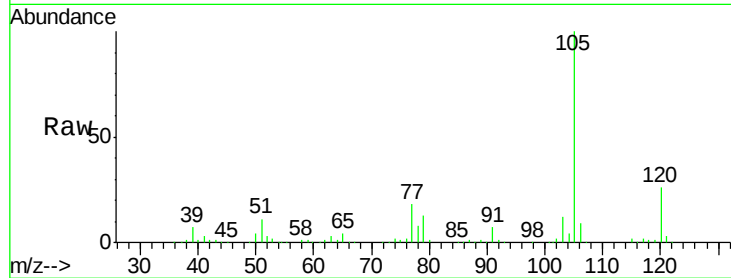
Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.105 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion: 43 Resp: 132067

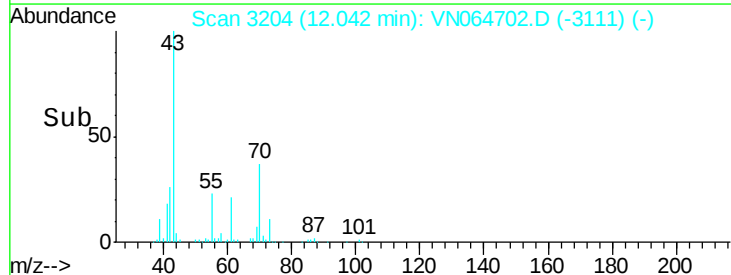
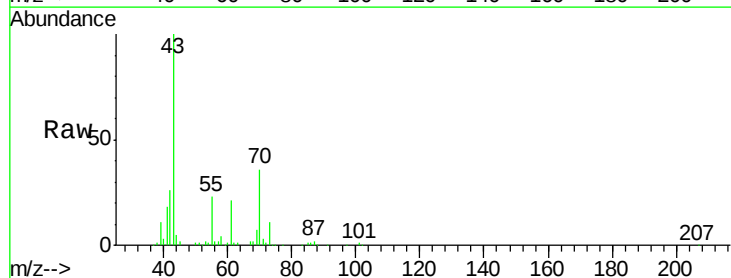
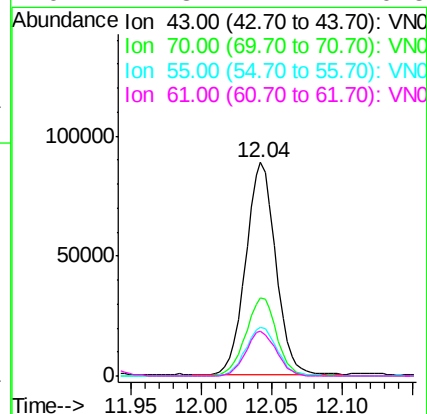
Ion Ratio Lower Upper

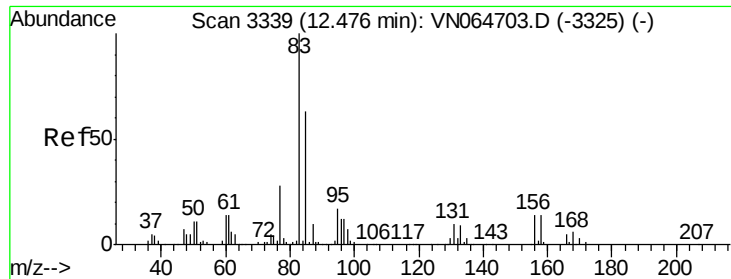
43 100

70 37.9 30.3 45.5

55 24.3 18.9 28.3

61 21.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.272 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

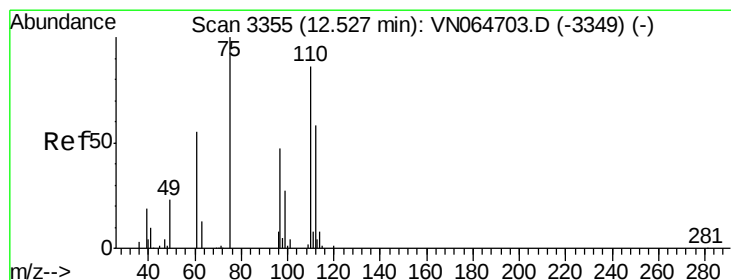
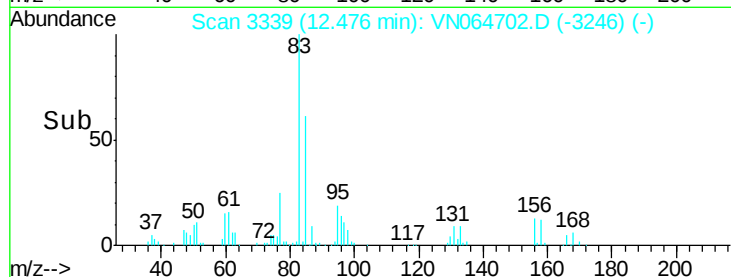
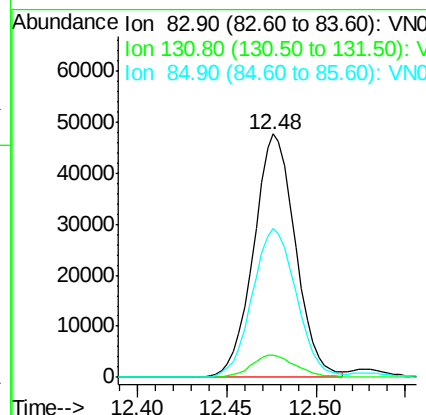
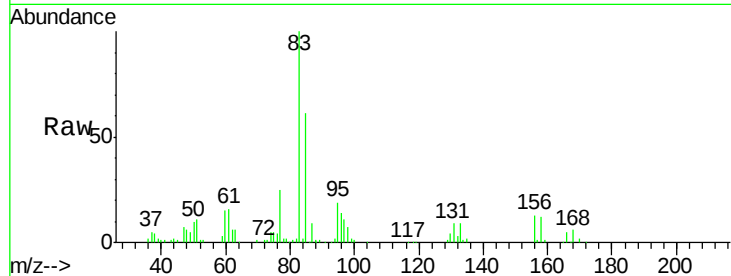
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	78448
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.906 ug/l m

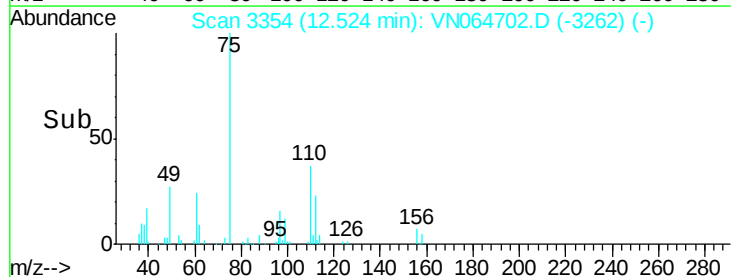
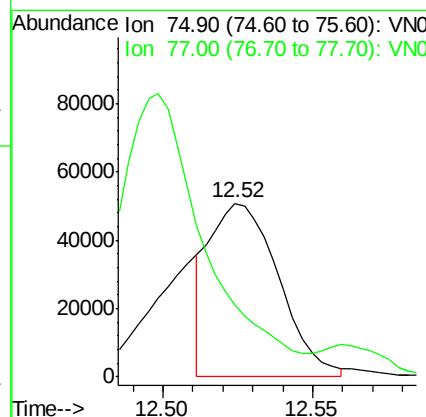
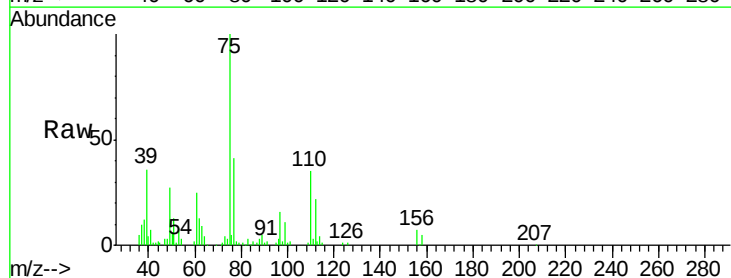
RT: 12.52 min Scan# 3354

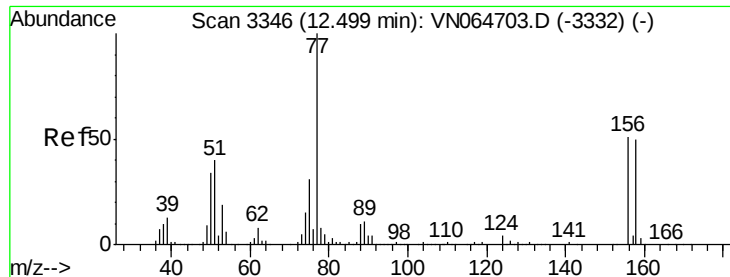
Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion:	75	Resp:	81678
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.236 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 70988

Ion Ratio Lower Upper

156 100

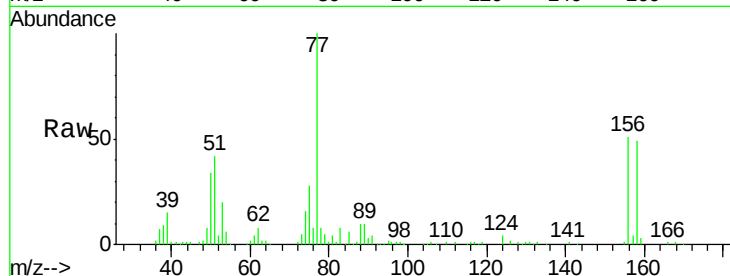
77 237.0 117.3 351.9

158 95.7 49.0 147.2

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MMDadoda

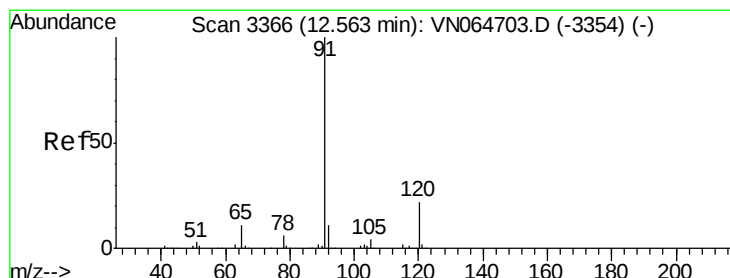
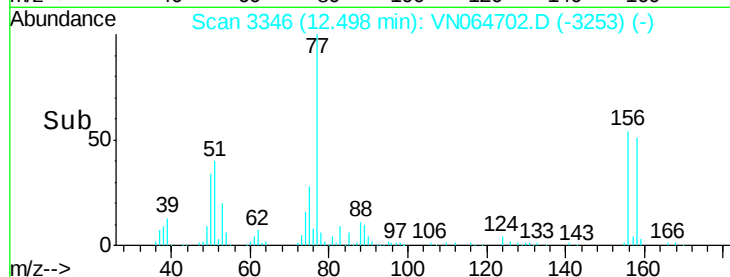
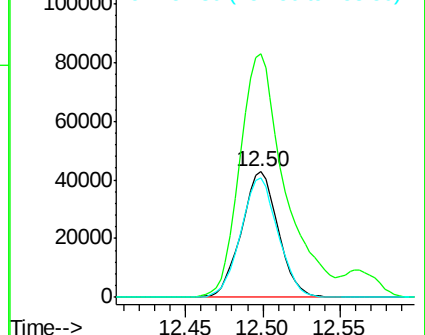
11/19/2020 2:10:01 PM



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: 18.374 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064702.D

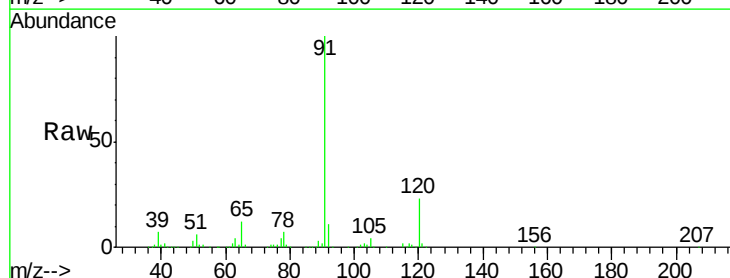
Acq: 18 Nov 2020 12:37

Tgt Ion: 91 Resp: 332308

Ion Ratio Lower Upper

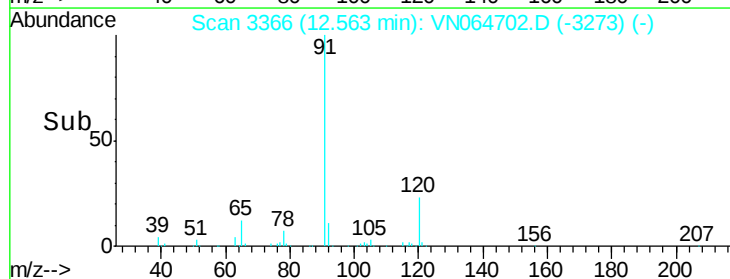
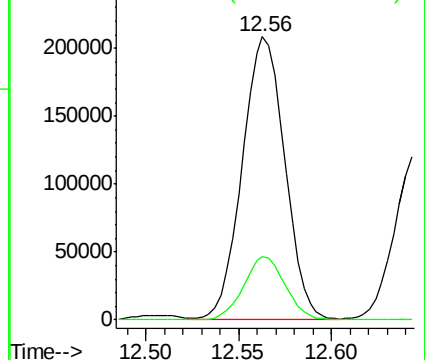
91 100

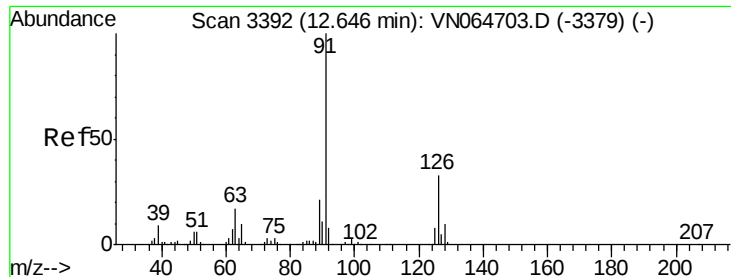
120 21.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





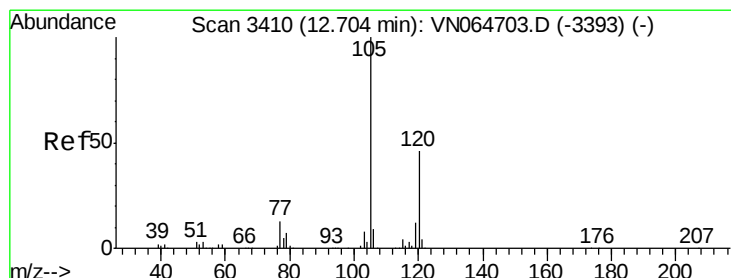
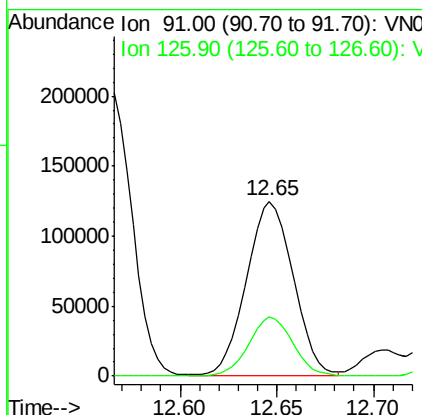
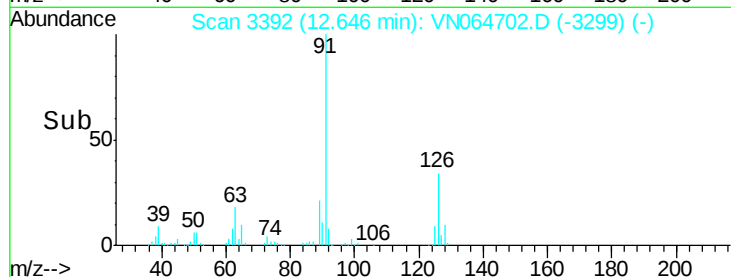
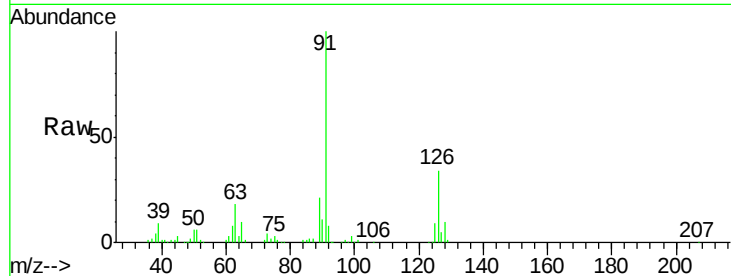
#79
 2-Chlorotoluene
 Concen: 18.293 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 210733
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.0 48.0

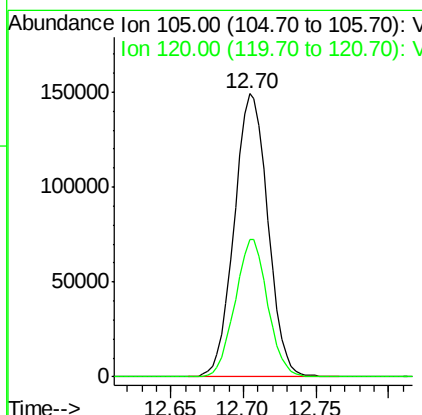
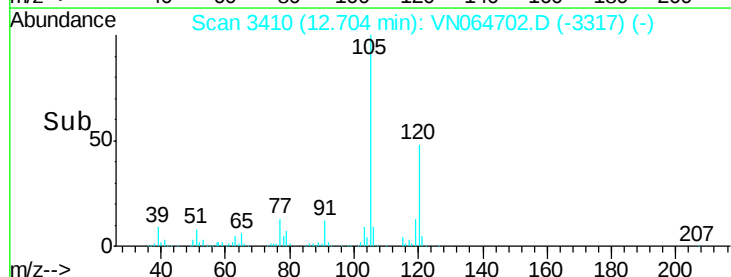
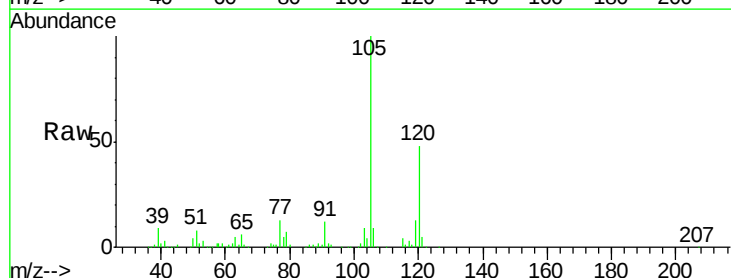
Manual Integrations
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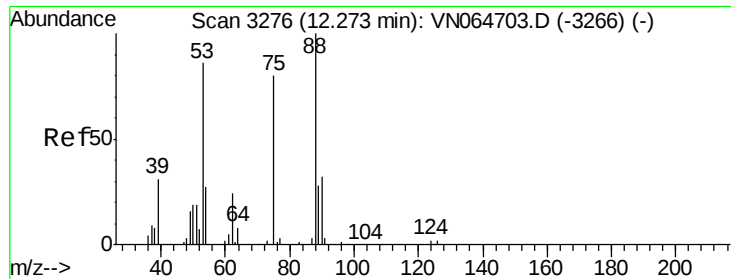
MMDadoda
 11/19/2020 2:10:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.369 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion: 105 Resp: 240913
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8





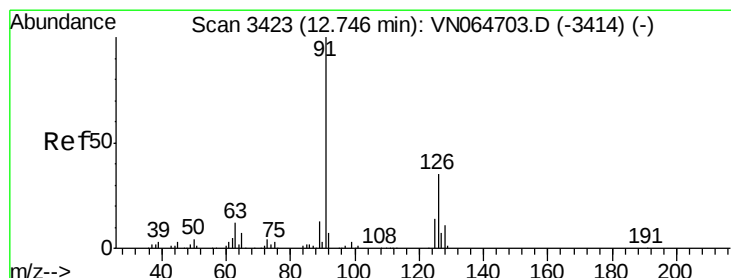
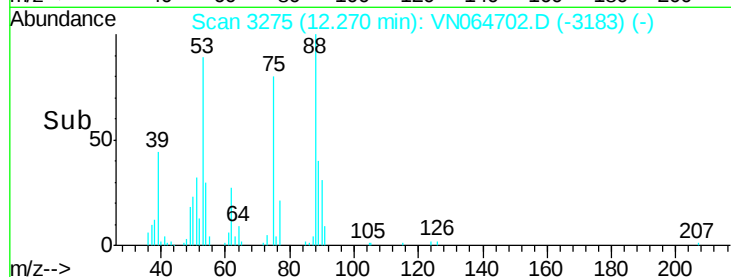
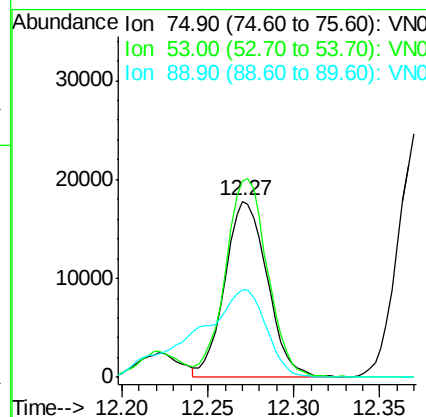
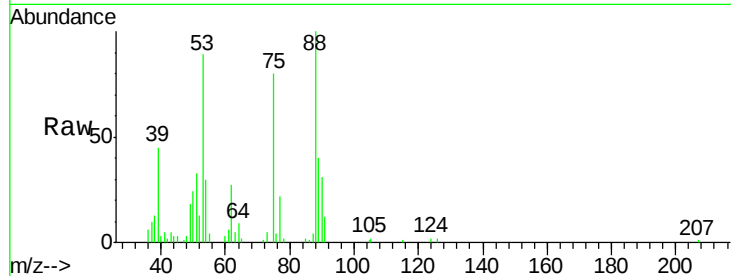
#81
trans-1,4-Dichloro-2-butene
Concen: 17.778 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	88.8	133.2
89	83.7	43.1	64.7#

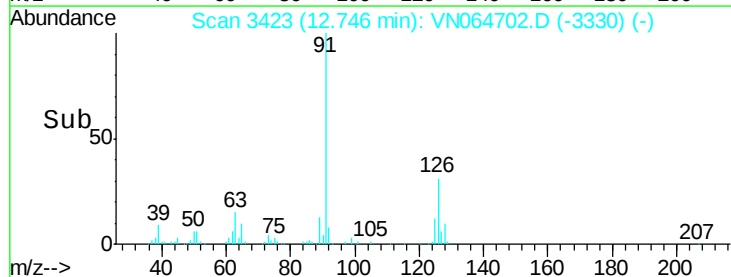
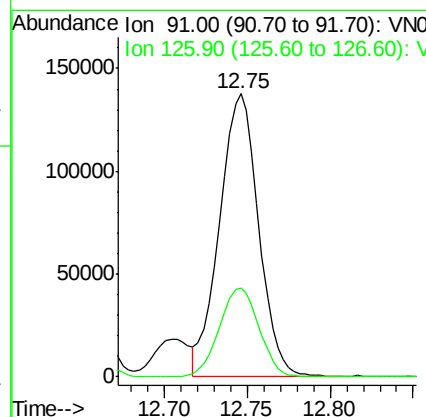
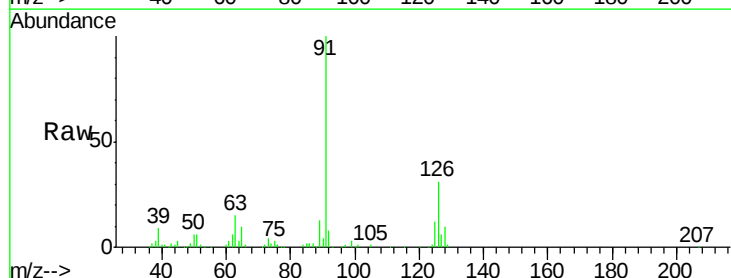
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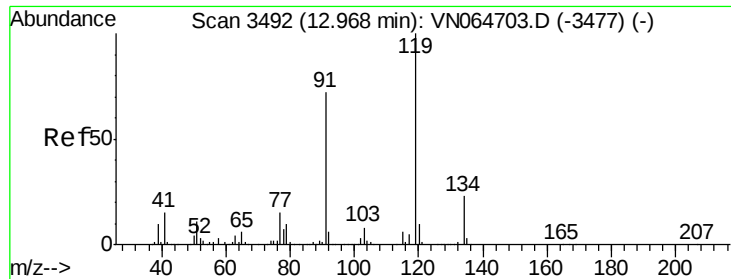
MMDadoda
11/19/2020 2:10:01 PM



#82
4-Chlorotoluene
Concen: 18.585 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.7





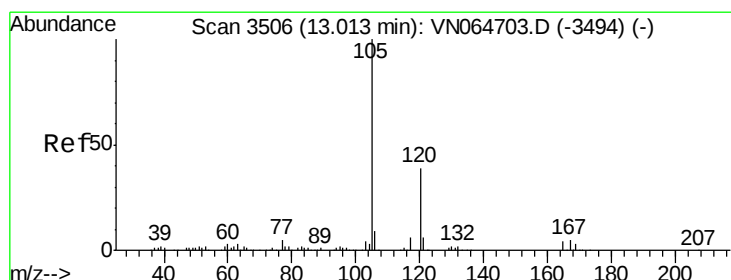
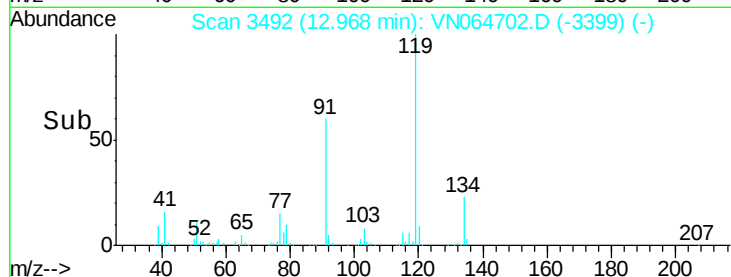
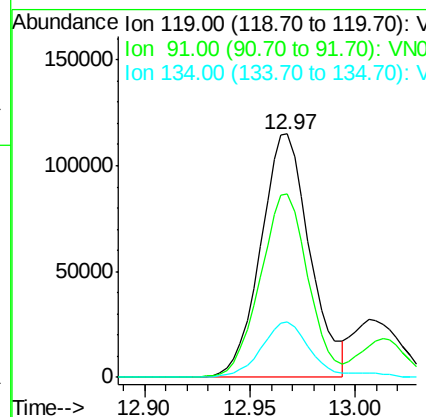
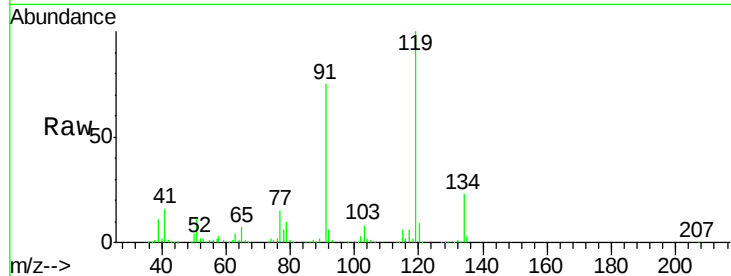
#83
 tert-Butylbenzene
 Concen: 18.201 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	35.8	107.4
134	23.4	12.0	36.1

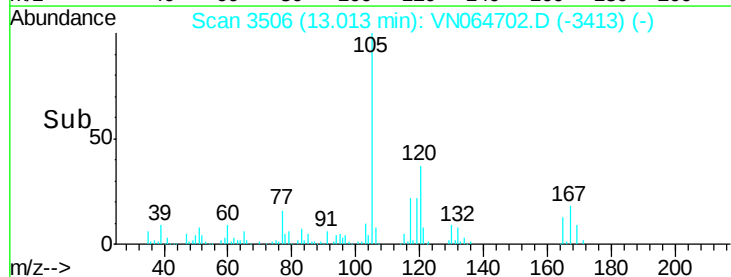
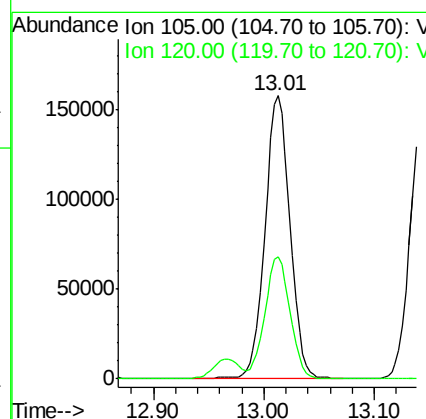
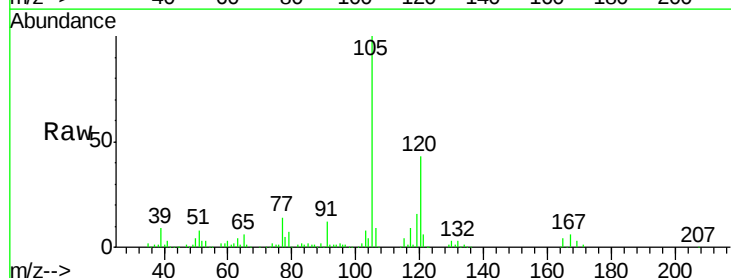
Manual Integrations
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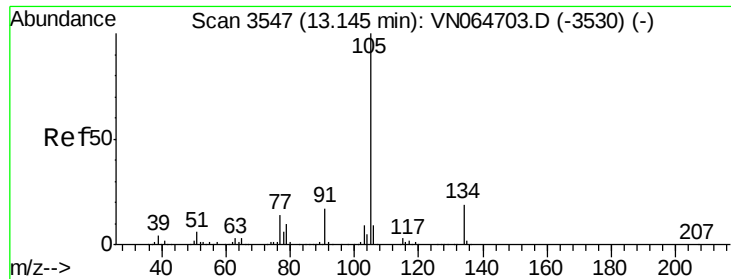
MMDadoda
 11/19/2020 2:10:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.875 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0





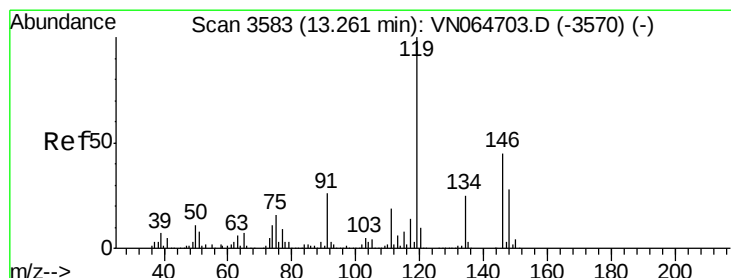
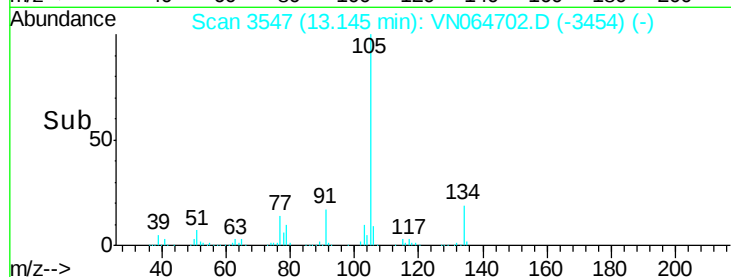
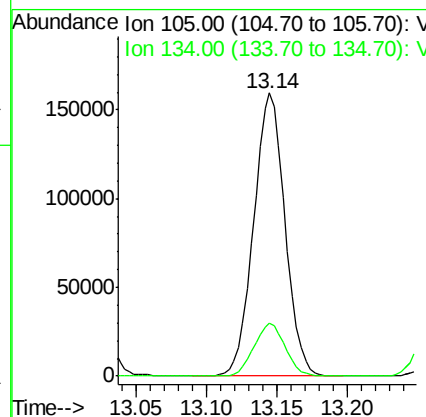
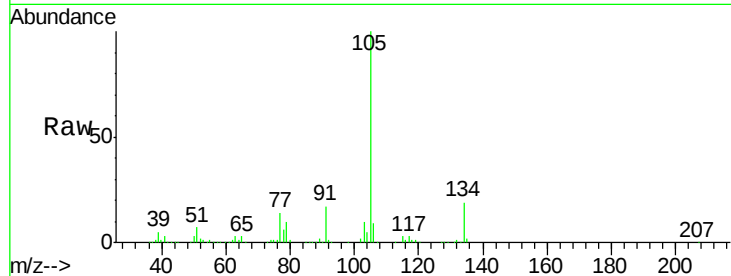
#85
 sec-Butylbenzene
 Concen: 18.996 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.5	28.5

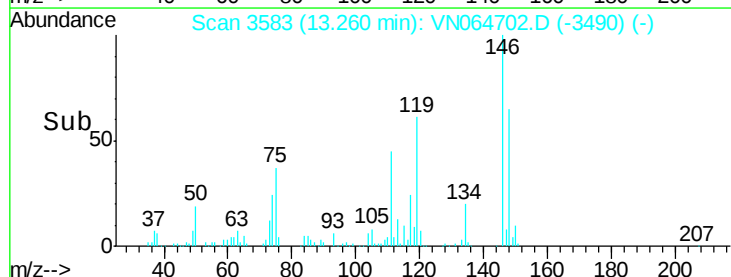
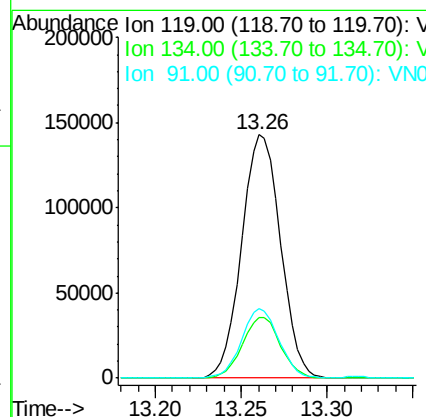
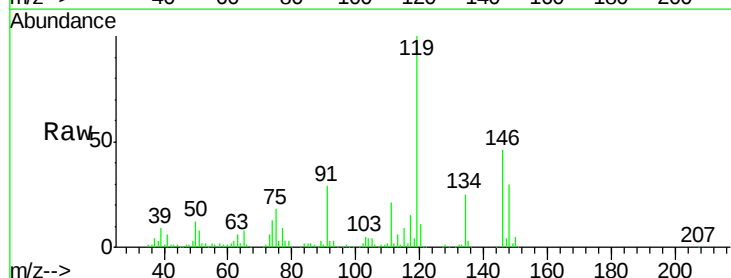
Manual Integrations
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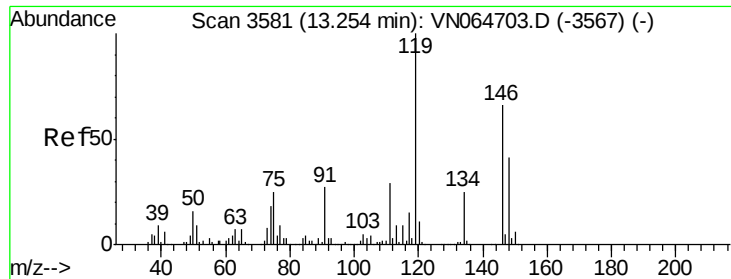
MMDadoda
 11/19/2020 2:10:01 PM



#86
 p-Isopropyltoluene
 Concen: 19.134 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.4	12.7	38.0
91	27.4	13.3	39.8





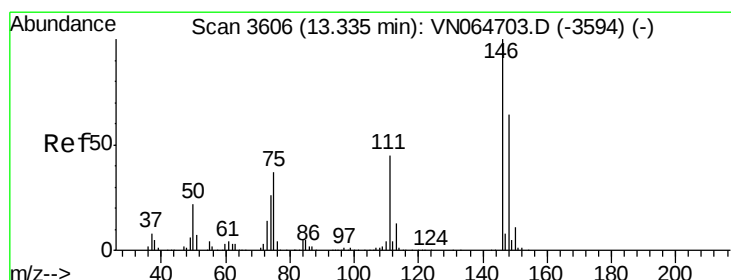
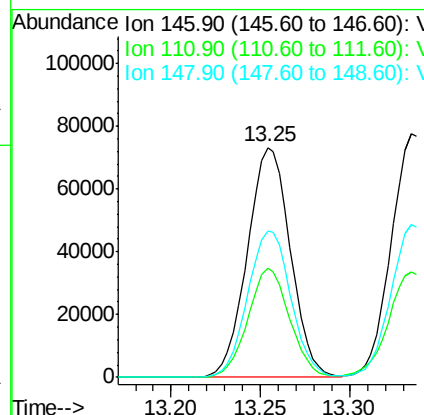
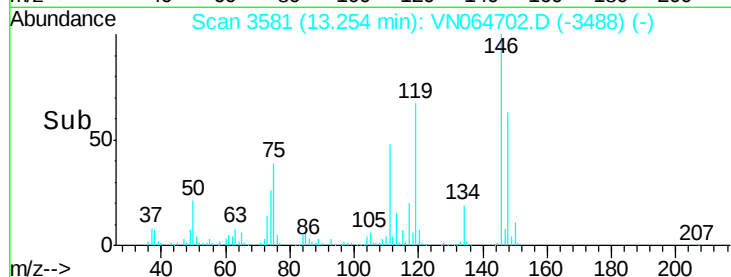
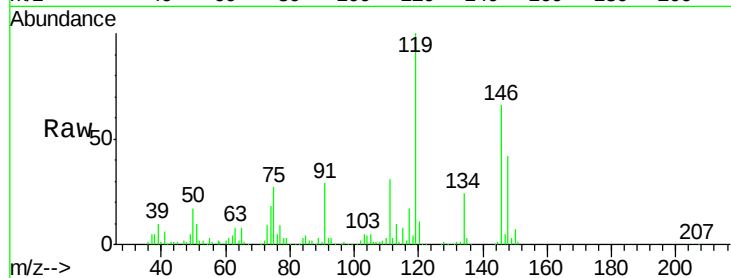
#87
 1,3-Dichlorobenzene
 Concen: 18.272 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.8	65.4
148	64.0	31.5	94.5

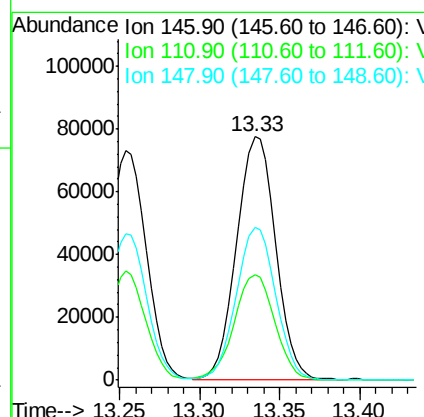
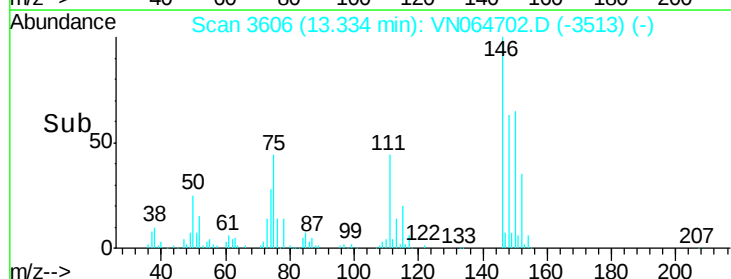
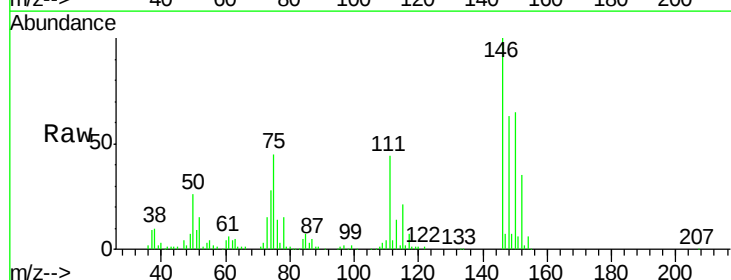
Manual Integrations
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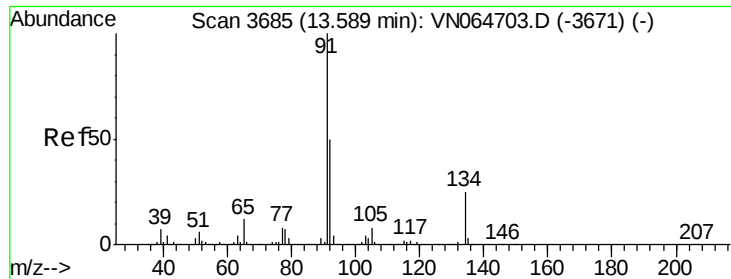
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 11/19/2020 2:10:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.451 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.3	66.8
148	63.9	31.6	94.7





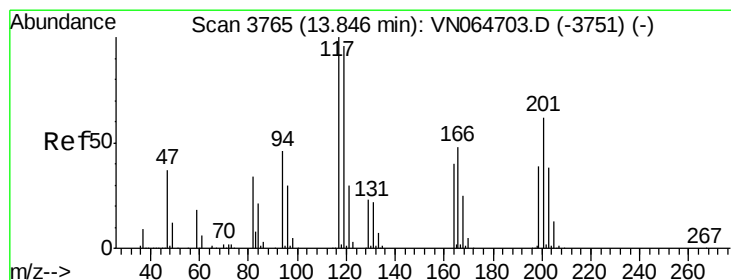
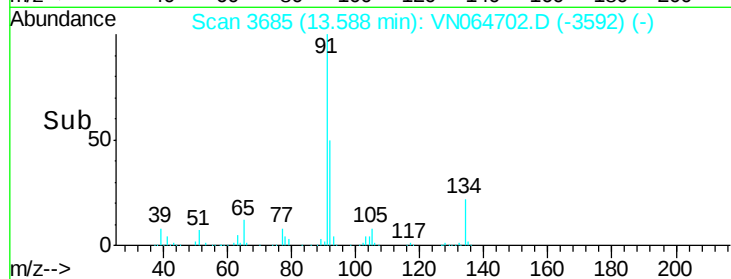
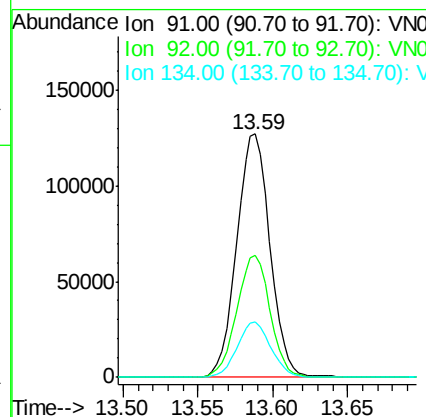
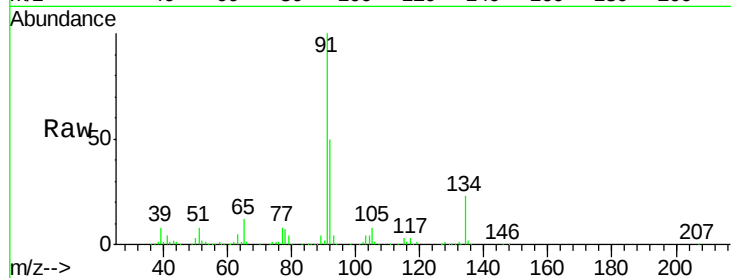
#89
n-Butylbenzene
Concen: 19.389 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196856		
92	50.2		24.9	74.8
134	23.1		12.0	36.0

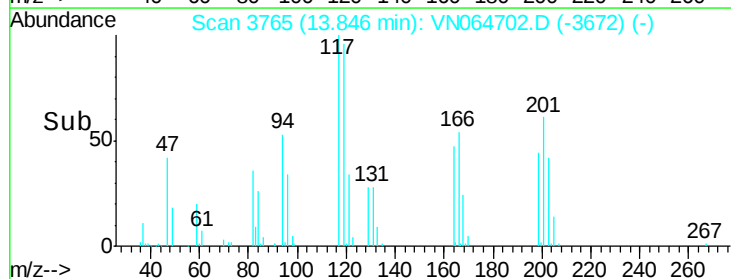
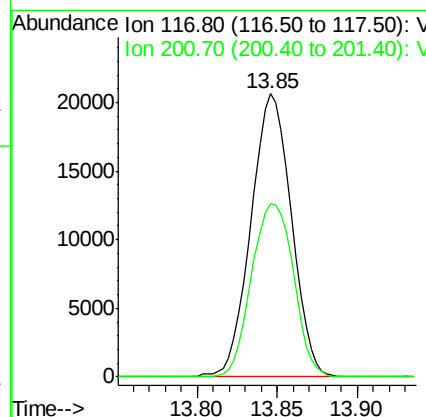
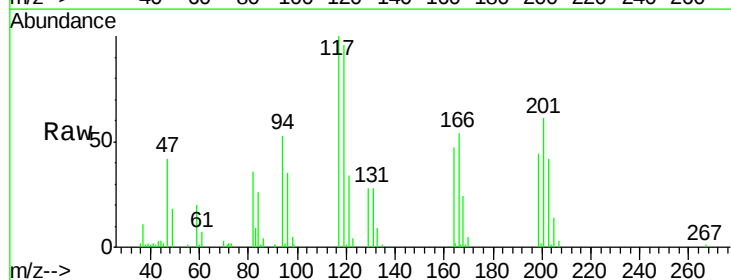
Manual Integrations
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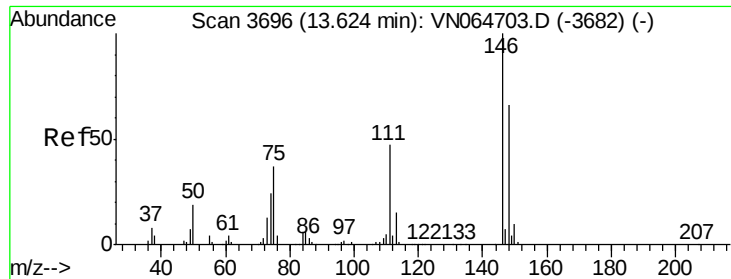
MMDadoda
11/19/2020 2:10:01 PM



#90
Hexachloroethane
Concen: 16.126 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064702.D
Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35705		
201	63.5		31.9	95.5





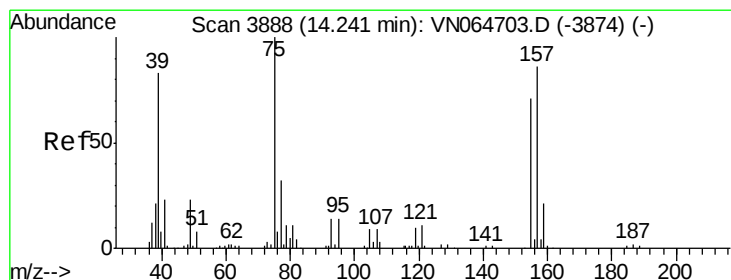
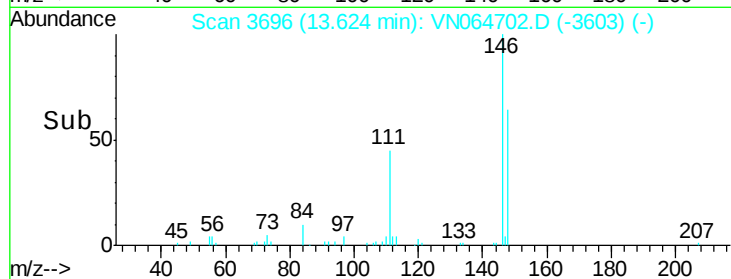
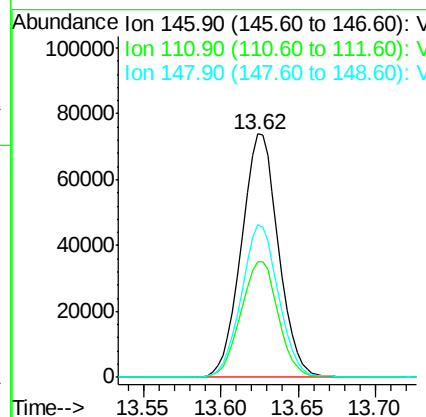
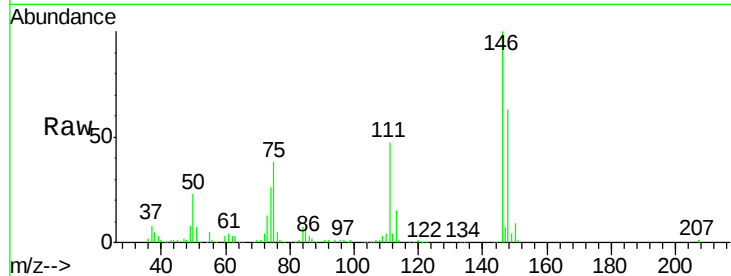
#91
 1,2-Dichlorobenzene
 Concen: 19.000 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	23.1	69.3
148	63.0	32.2	96.6

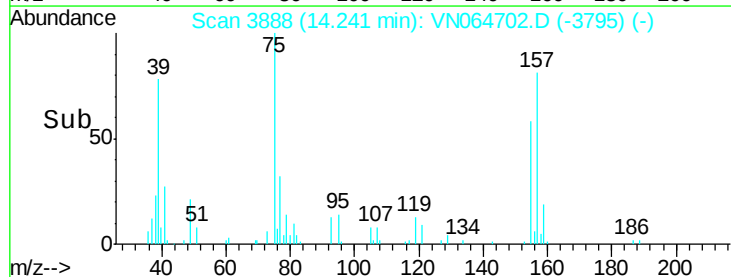
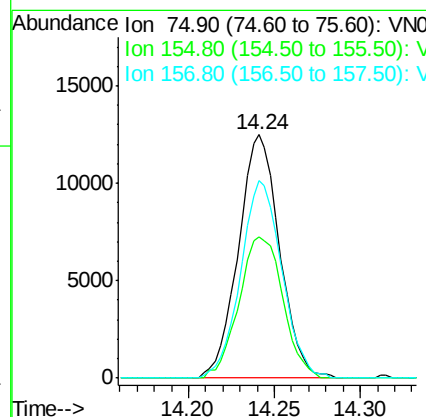
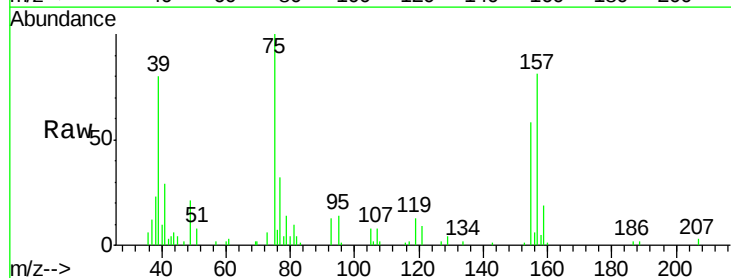
Manual Integrations
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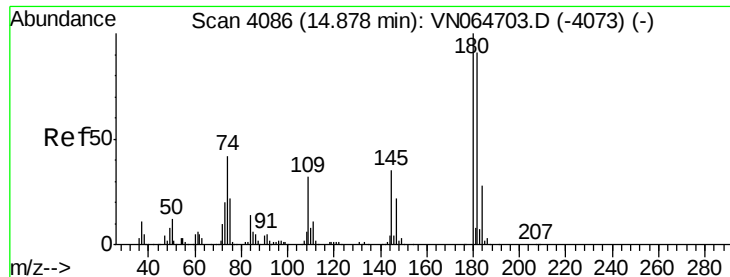
MMDadoda
 11/19/2020 2:10:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.049 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.1	33.6	100.6
157	81.3	42.4	127.2





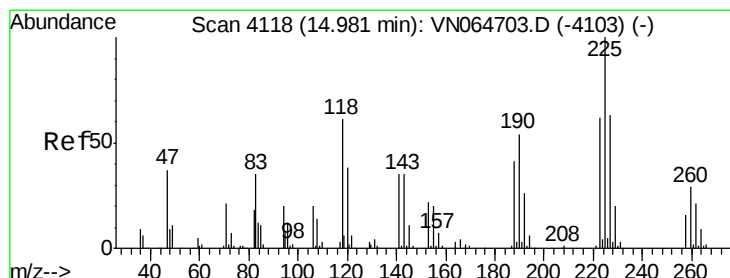
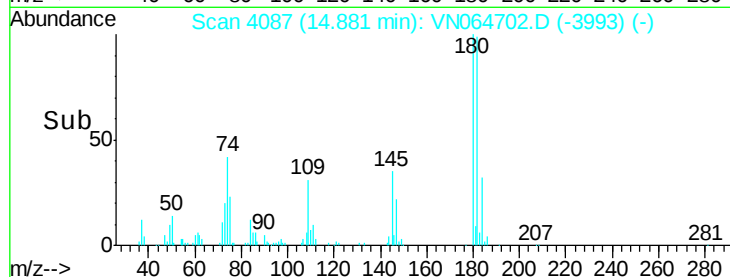
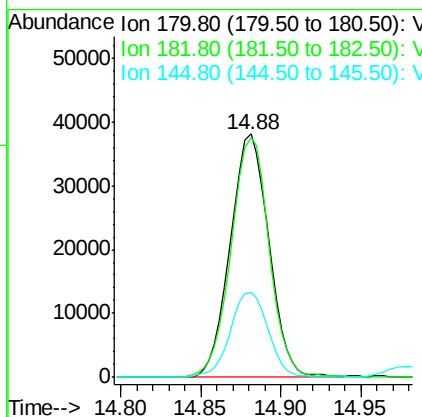
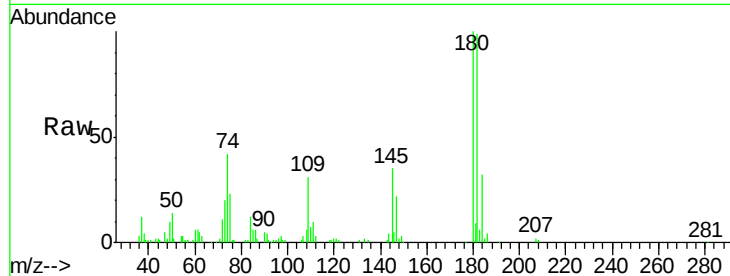
#93
 1,2,4-Trichlorobenzene
 Concen: 23.023 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.3	141.8
145	34.2	17.5	52.5

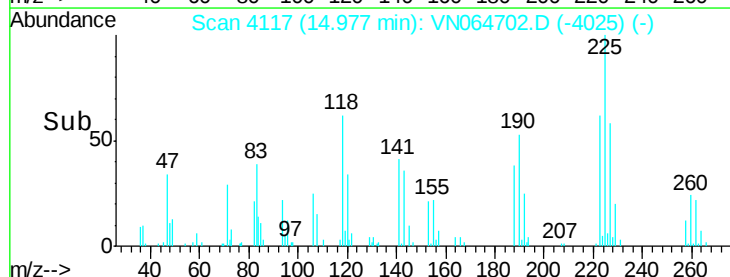
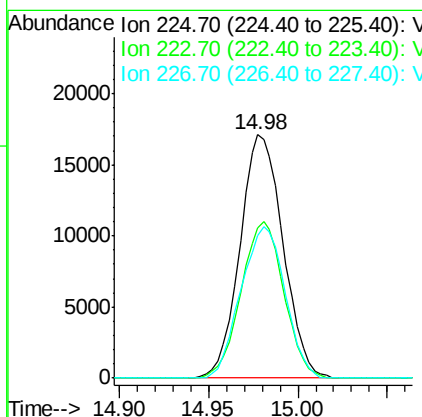
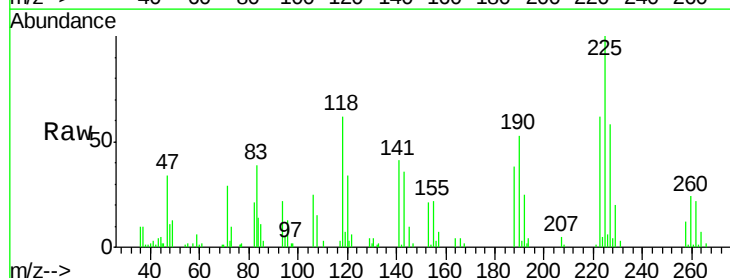
Manual Integrations
 APPROVED

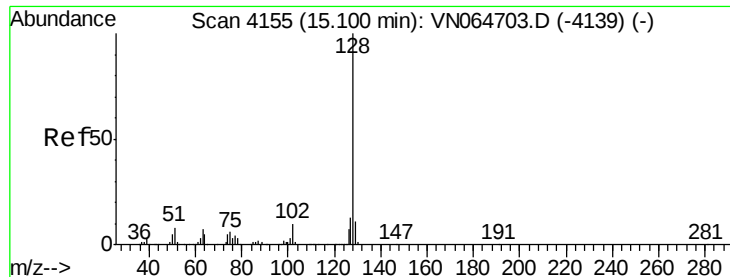
MMDadoda
 11/19/2020 2:10:01 PM



#94
 Hexachlorobutadiene
 Concen: 21.456 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064702.D
 Acq: 18 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.2	93.6
227	63.9	32.1	96.3





#95

Naphthalene

Concen: 23.375 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Instrument :

MSVOA_N

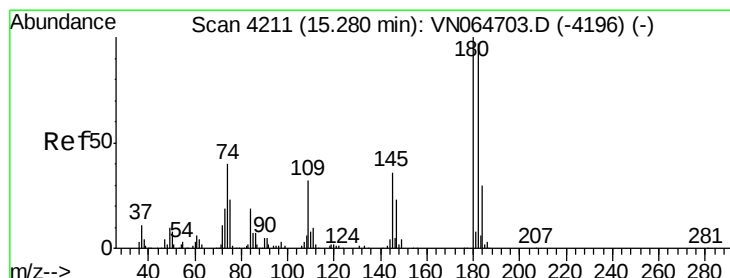
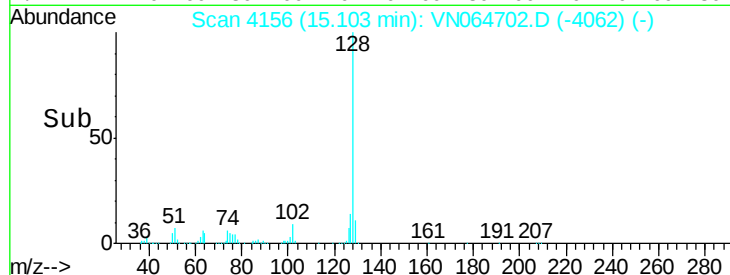
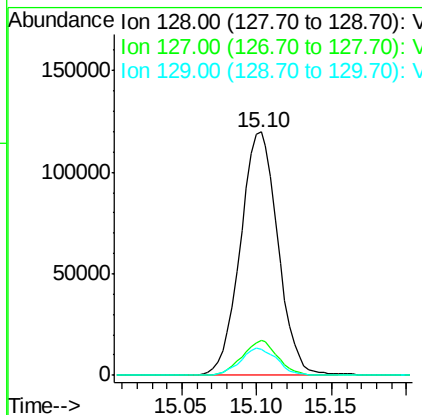
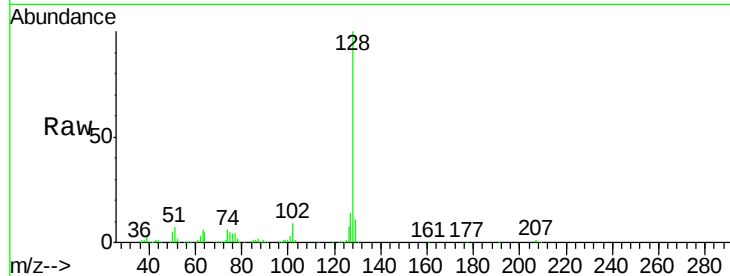
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	209025
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.064 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064702.D

Acq: 18 Nov 2020 12:37

Tgt Ion:	180	Resp:	62447
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.5	142.5
145	35.5	18.1	54.1

