

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062802.D
 Acq On : 10 Aug 2020 12:14
 Operator : JC/MD
 Sample : VN0810MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Manual Integrations
 APPROVED

sam
 8/11/2020 3:24:44 PM

Quant Time: Aug 11 07:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	191172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	131416	41.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.14%	
35) Dibromofluoromethane	7.55	113	95204	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	10.06	98	370397	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.38	95	131370	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47412	17.319	ug/l	99
3) Chloromethane	2.03	50	40284	15.594	ug/l	94
4) Vinyl Chloride	2.16	62	41257	17.028	ug/l	98
5) Bromomethane	2.52	94	31231	19.472	ug/l	92
6) Chloroethane	2.66	64	30020	18.833	ug/l	94
7) Trichlorofluoromethane	2.98	101	76704	17.754	ug/l	100
8) Diethyl Ether	3.37	74	24438	19.758	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	35151	19.639	ug/l	97
10) Methyl Iodide	3.91	142	38757	18.508	ug/l	94
11) Tert butyl alcohol	4.74	59	41904	80.873	ug/l	98
12) 1,1-Dichloroethene	3.70	96	31838	18.827	ug/l	91
13) Acrolein	3.57	56	18581	59.228	ug/l	98
14) Allyl chloride	4.27	41	59050	17.643	ug/l	95
15) Acrylonitrile	4.93	53	104102	86.623	ug/l	99
16) Acetone	3.78	43	90032	78.814	ug/l	100
17) Carbon Disulfide	4.00	76	84185	17.611	ug/l	99
18) Methyl Acetate	4.28	43	49468	17.577	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	133941	18.084	ug/l	98
20) Methylene Chloride	4.50	84	38988	18.166	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	34002	17.773	ug/l	96
22) Diisopropyl ether	5.91	45	133717	18.767	ug/l	96
23) Vinyl Acetate	5.85	43	457943	84.499	ug/l	99
24) 1,1-Dichloroethane	5.80	63	72886	17.456	ug/l	99
25) 2-Butanone	6.79	43	136774	84.539	ug/l	98
26) 2,2-Dichloropropane	6.77	77	63310	16.449	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	41759	18.196	ug/l	94
28) Bromochloromethane	7.15	49	34718	17.228	ug/l	99
29) Tetrahydrofuran	7.17	42	91159	86.728	ug/l	98
30) Chloroform	7.33	83	75477	17.009	ug/l	96
31) Cyclohexane	7.62	56	71516	18.658	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	66912	16.865	ug/l	98
36) 1,1-Dichloropropene	7.75	75	53610	17.870	ug/l	100
37) Ethyl Acetate	6.88	43	50337	16.063	ug/l	99
38) Carbon Tetrachloride	7.73	117	56772	16.001	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062802.D
 Acq On : 10 Aug 2020 12:14
 Operator : JC/MD
 Sample : VN0810MBS01
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0810MBS01

Manual Integrations
 APPROVED

sam
 8/11/2020 3:24:44 PM

Quant Time: Aug 11 07:06:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	65373	18.107	ug/l	98
40) Benzene	8.00	78	156817	17.517	ug/l	98
41) Methacrylonitrile	7.12	41	22480	15.897	ug/l #	85
42) 1,2-Dichloroethane	8.08	62	61950	16.259	ug/l	100
43) Isopropyl Acetate	8.13	43	89000	17.027	ug/l	97
44) Trichloroethene	8.80	130	38761	17.772	ug/l	98
45) 1,2-Dichloropropane	9.08	63	43996	18.159	ug/l	98
46) Dibromomethane	9.17	93	27524	17.338	ug/l	97
47) Bromodichloromethane	9.37	83	61809	17.335	ug/l	98
48) Methyl methacrylate	9.17	41	43158	16.786	ug/l	97
49) 1,4-Dioxane	9.17	88	15860	332.919	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	289390	85.568	ug/l	99
52) Toluene	10.13	92	98372	17.798	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	66648	16.994	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	70996	18.030	ug/l	95
55) 1,1,2-Trichloroethane	10.54	97	41611	17.627	ug/l	97
56) Ethyl methacrylate	10.40	69	63217	17.791	ug/l	98
57) 1,3-Dichloropropane	10.68	76	69655	17.366	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	91749	91.350	ug/l	100
59) 2-Hexanone	10.72	43	205522	81.467	ug/l	97
60) Dibromochloromethane	10.87	129	46231	17.161	ug/l	99
61) 1,2-Dibromoethane	10.98	107	39864	17.114	ug/l	97
64) Tetrachloroethene	10.60	164	32788	18.821	ug/l	96
65) Chlorobenzene	11.41	112	100759	17.852	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	40283	17.773	ug/l	98
67) Ethyl Benzene	11.49	91	181971	18.017	ug/l	98
68) m/p-Xylenes	11.60	106	137986	37.636	ug/l	94
69) o-Xylene	11.92	106	65711	19.125	ug/l	100
70) Styrene	11.94	104	113212	18.746	ug/l	98
71) Bromoform	12.10	173	30401	16.393	ug/l #	99
73) Isopropylbenzene	12.22	105	183806	19.366	ug/l	99
74) N-amyl acetate	12.05	43	72917	18.958	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	57998	17.359	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	58377m	17.174	ug/l	
77) Bromobenzene	12.50	156	43842	18.591	ug/l	93
78) n-propylbenzene	12.57	91	213518	19.165	ug/l	98
79) 2-Chlorotoluene	12.65	91	131198	18.779	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	158398	19.237	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.28	75	19688	17.681	ug/l	98
82) 4-Chlorotoluene	12.75	91	137365	19.079	ug/l	99
83) tert-Butylbenzene	12.97	119	134158	19.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	159977	20.309	ug/l	99
85) sec-Butylbenzene	13.15	105	175861	19.221	ug/l	100
86) p-Isopropyltoluene	13.26	119	159107	19.591	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	75876	18.011	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	79055	18.709	ug/l	98
89) n-Butylbenzene	13.59	91	142608	20.762	ug/l	99
90) Hexachloroethane	13.85	117	29924	17.094	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	74037	18.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	12614	17.586	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
Data File : VN062802.D
Acq On : 10 Aug 2020 12:14
Operator : JC/MD
Sample : VN0810MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

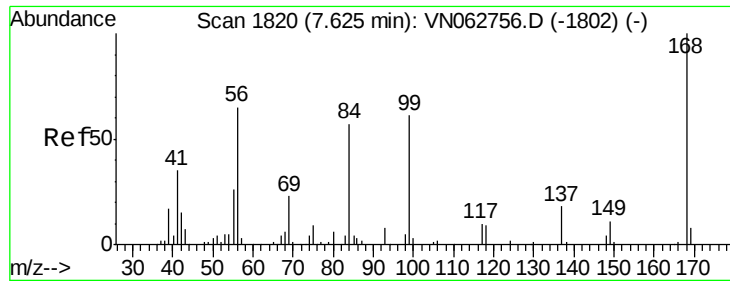
Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM

Quant Time: Aug 11 07:06:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	38076	20.080	ug/l	99
94) Hexachlorobutadiene	14.99	225	22708	17.253	ug/l	98
95) Naphthalene	15.10	128	117497	22.482	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	39744	20.709	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

VN0810MBS01

Tot Ion:168 Resp: 191172

Ion Ratio Lower Upper

168 100

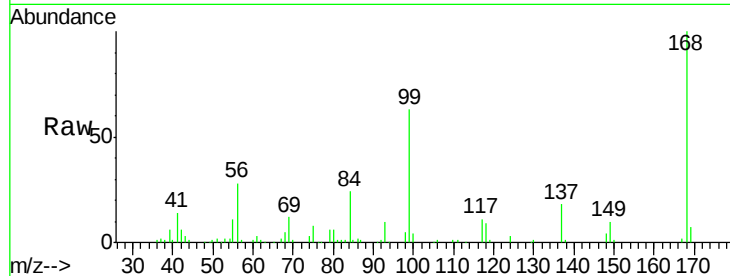
99 62.7 52.9 79.3

Manual Integrations

APPROVED

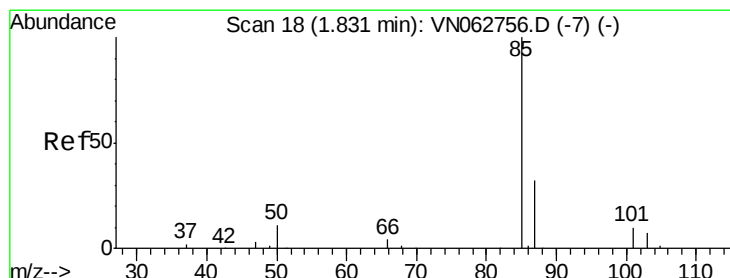
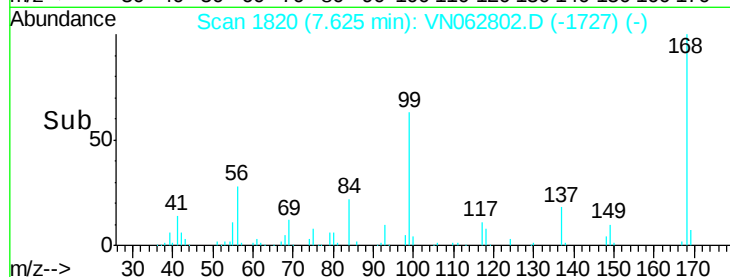
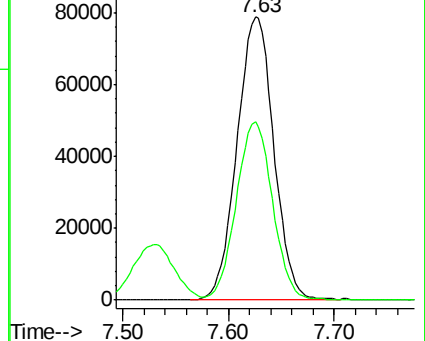
Sam

8/11/2020 3:24:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.319 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062802.D

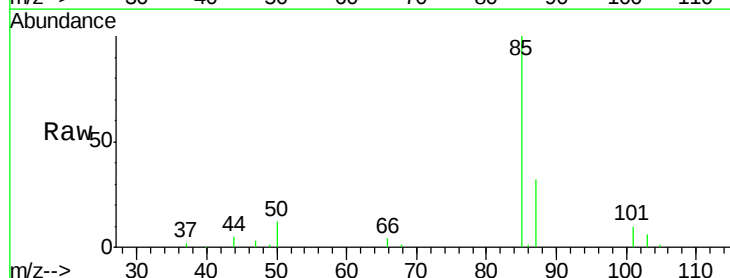
Acq: 10 Aug 2020 12:14

Tgt Ion: 85 Resp: 47412

Ion Ratio Lower Upper

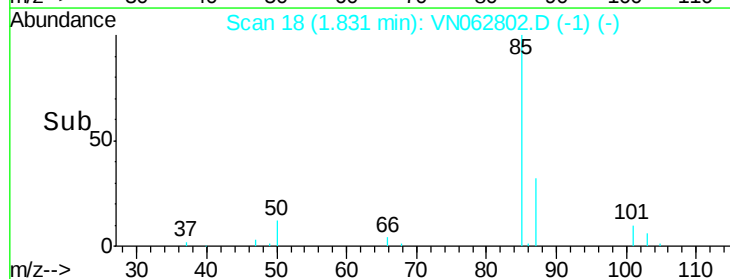
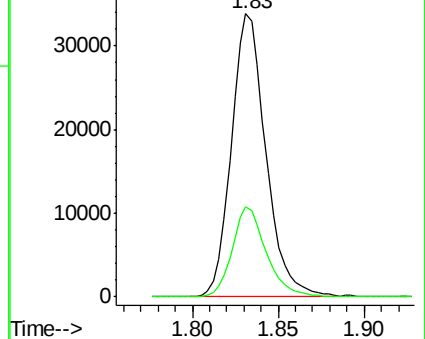
85 100

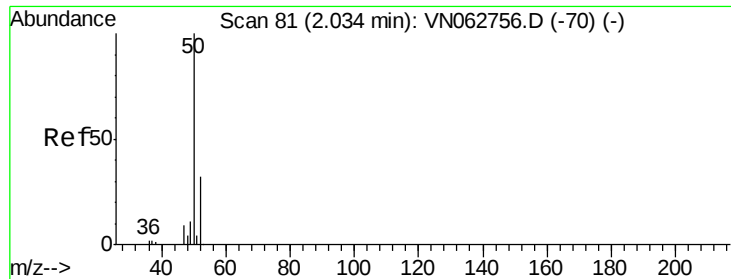
87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.594 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 50 Resp: 40284

Ion Ratio Lower Upper

50 100

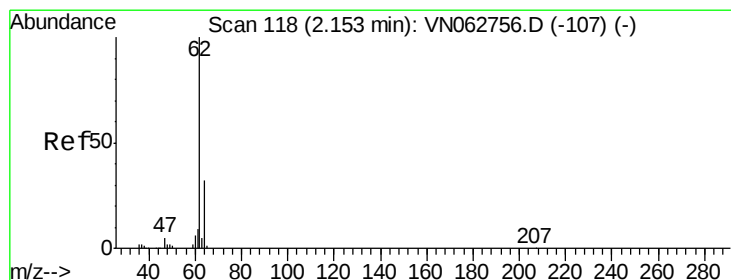
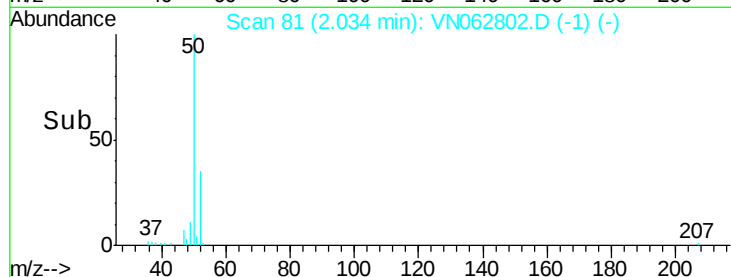
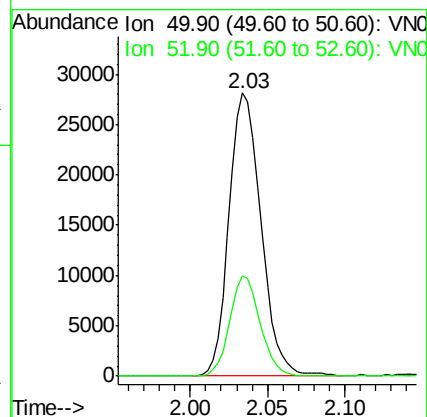
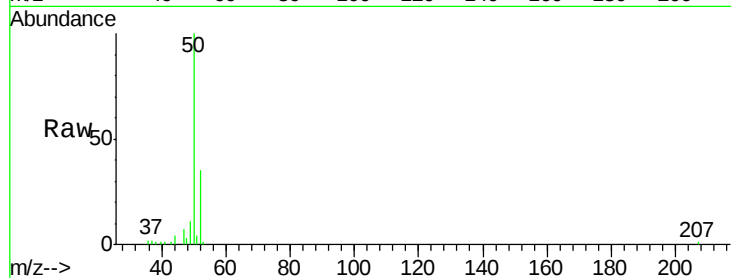
52 35.5 25.6 38.4

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#4

Vinyl Chloride

Concen: 17.028 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062802.D

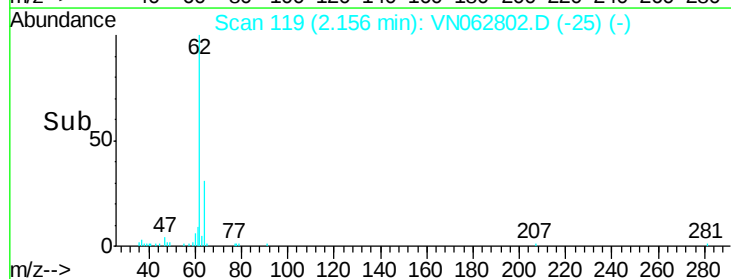
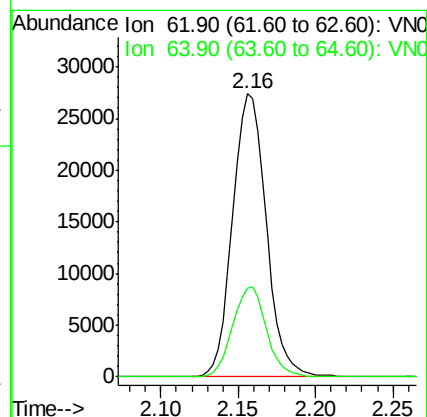
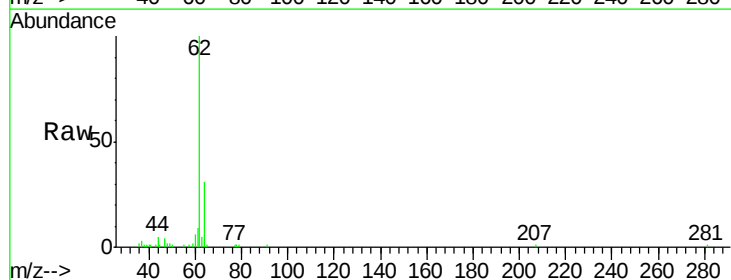
Acq: 10 Aug 2020 12:14

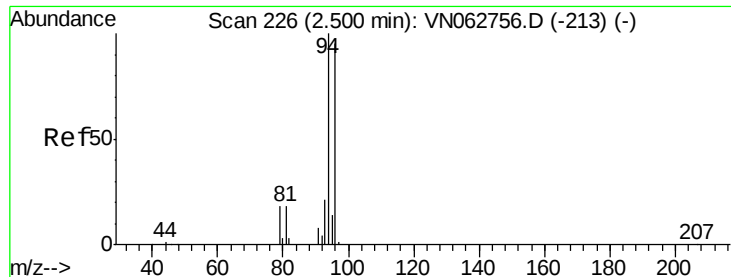
Tgt Ion: 62 Resp: 41257

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 19.472 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.02 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 94 Resp: 31231

Ion Ratio Lower Upper

94 100

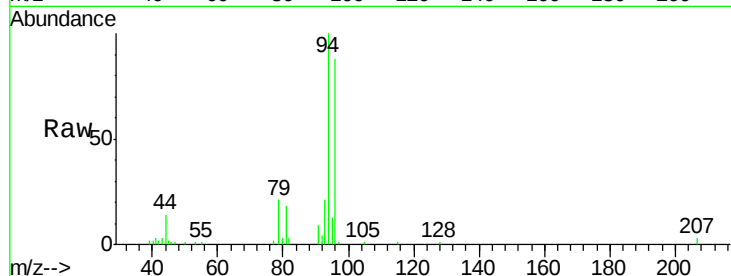
96 87.7 76.2 114.4

Manual Integrations

APPROVED

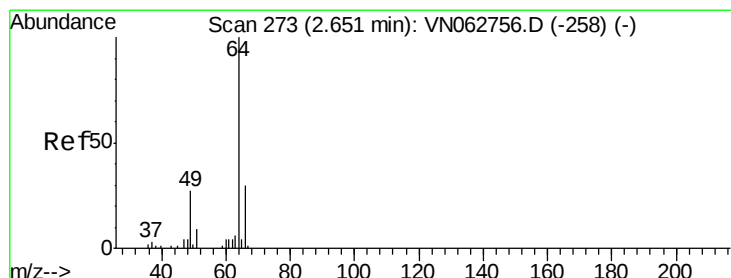
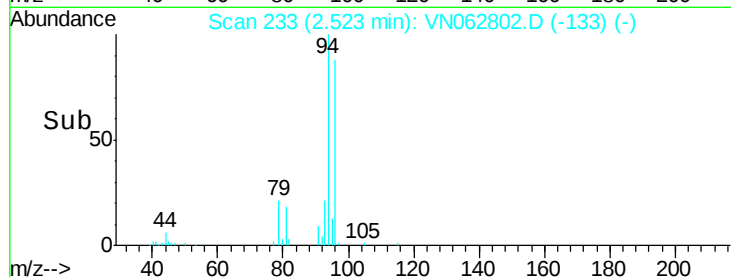
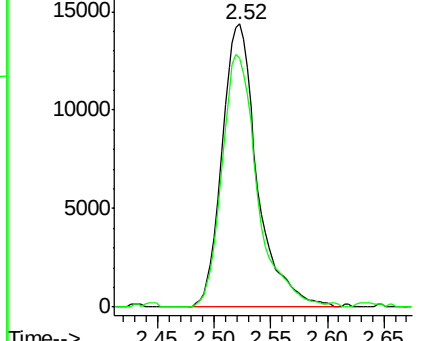
sam

8/11/2020 3:24:44 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.833 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.01 min

Lab File: VN062802.D

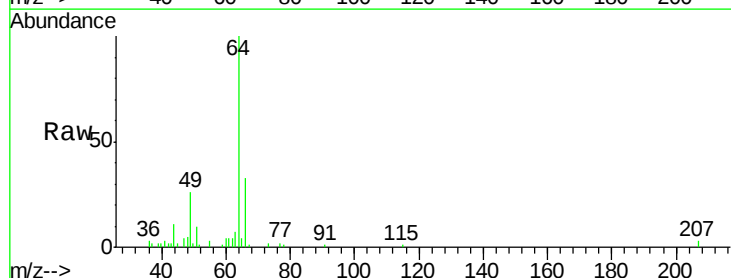
Acq: 10 Aug 2020 12:14

Tgt Ion: 64 Resp: 30020

Ion Ratio Lower Upper

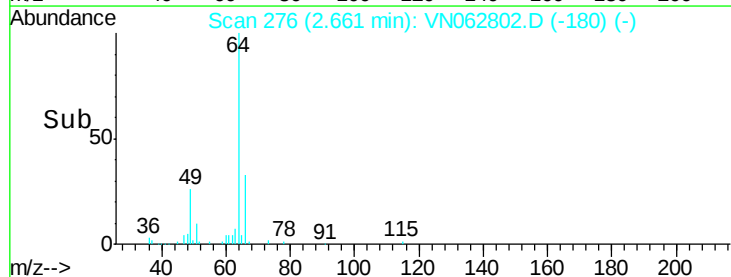
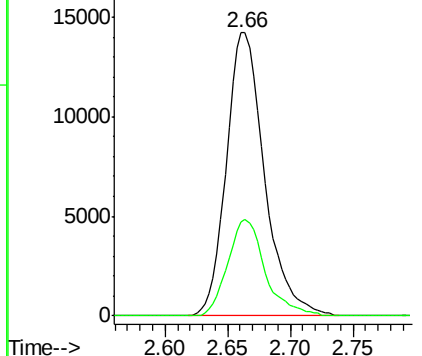
64 100

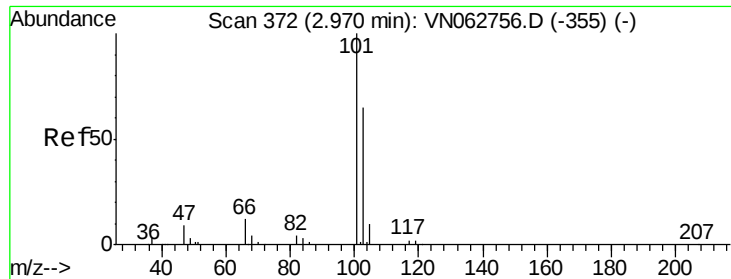
66 33.3 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

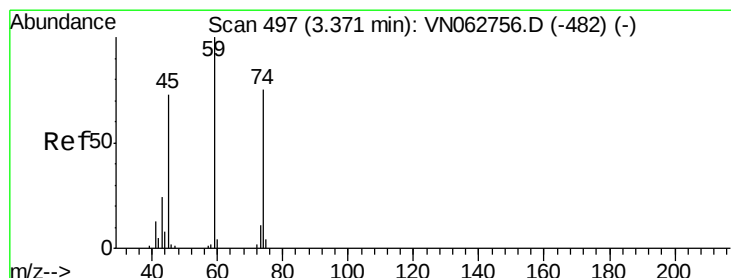
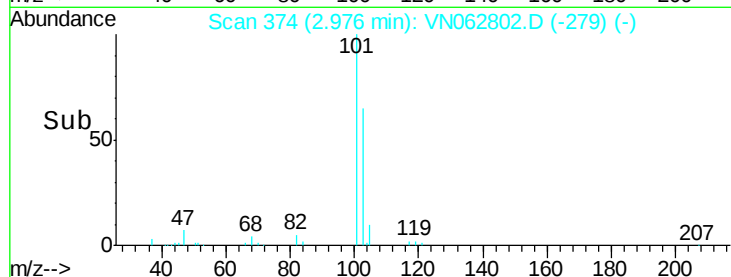
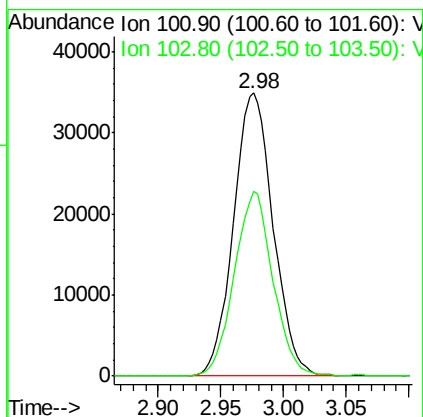
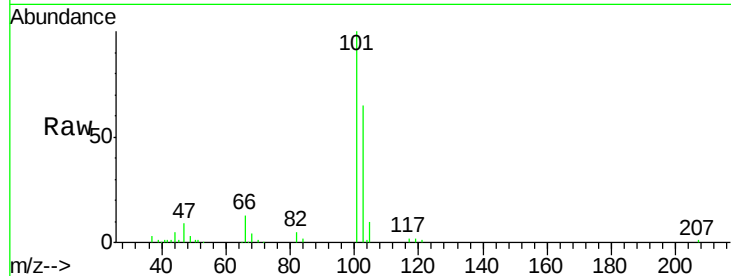
Trichlorofluoromethane
Concen: 17.754 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.01 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.3	78.5

Manual Integrations
APPROVED

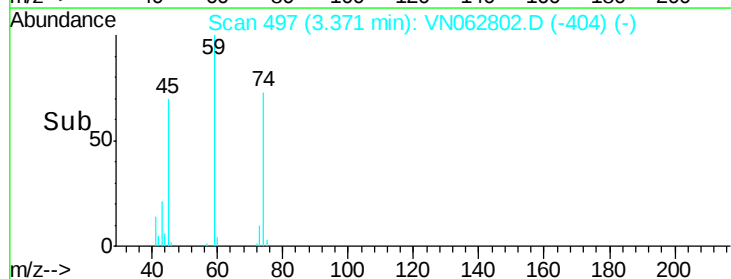
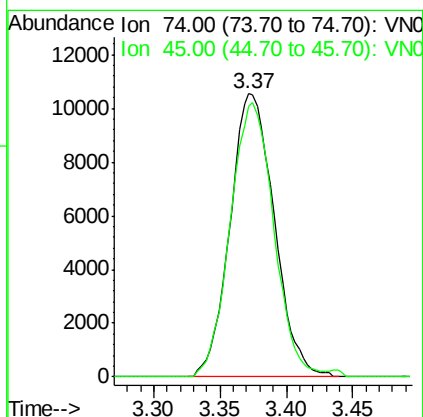
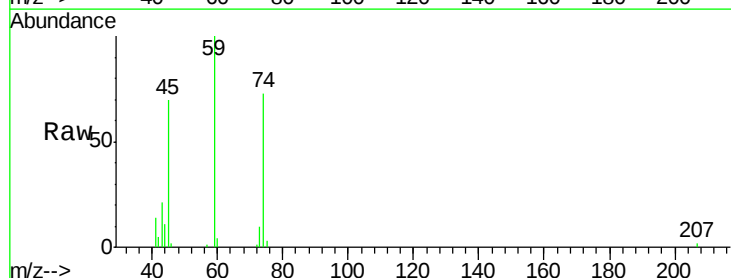
sam
8/11/2020 3:24:44 PM

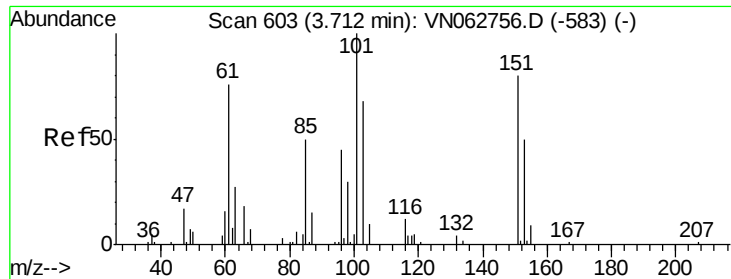


#8

Diethyl Ether
Concen: 19.758 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.639 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

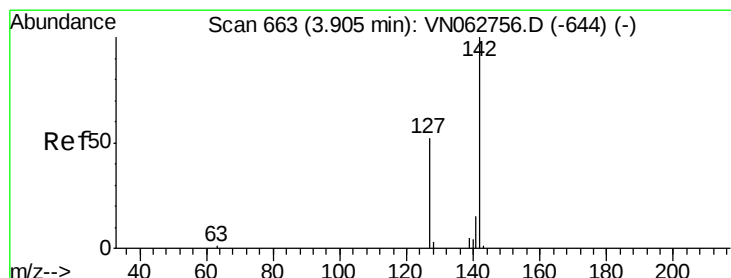
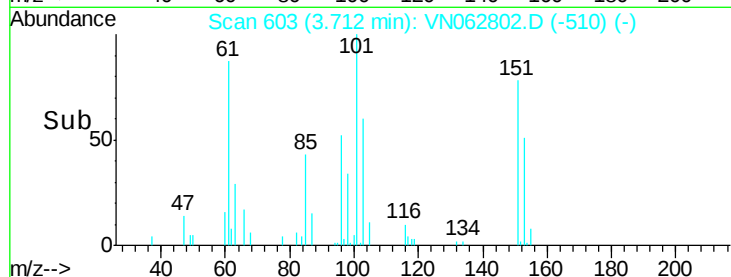
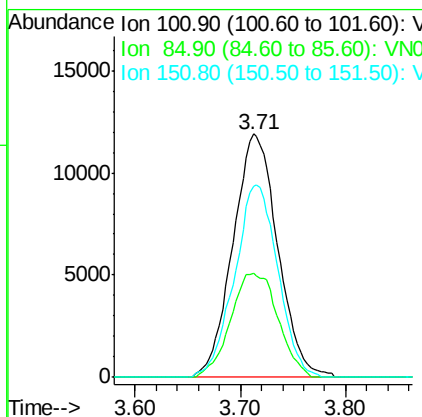
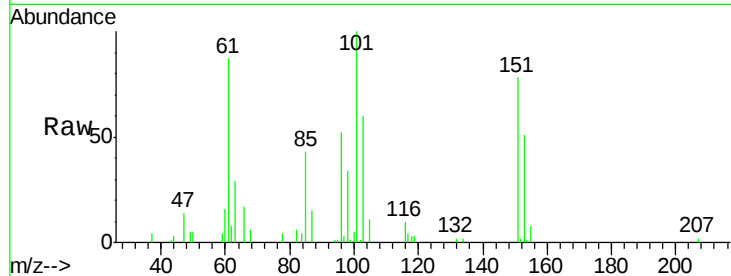
ClientSampleId :

VN0810MBS01

Tot Ion:	101	Resp:	35151
Ion Ratio	Lower	Upper	
101	100		
85	45.2	38.5	57.7
151	76.5	63.0	94.6

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#10

Methyl Iodide

Concen: 18.508 ug/l

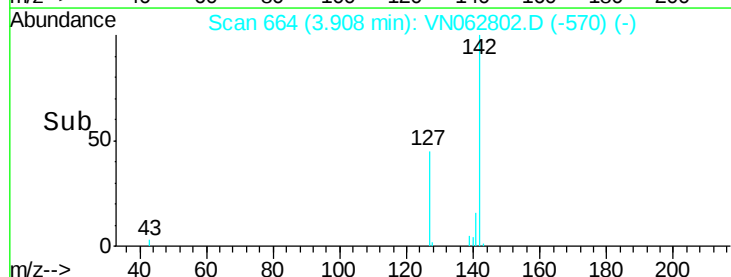
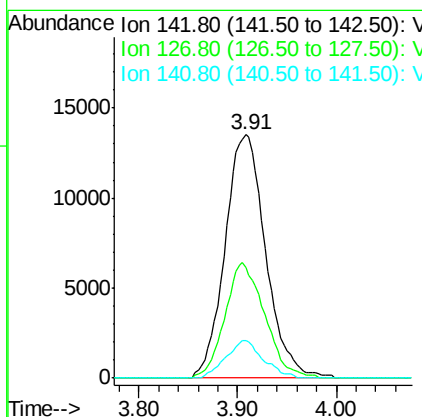
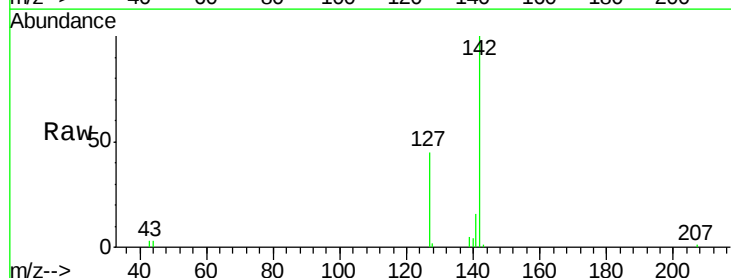
RT: 3.91 min Scan# 664

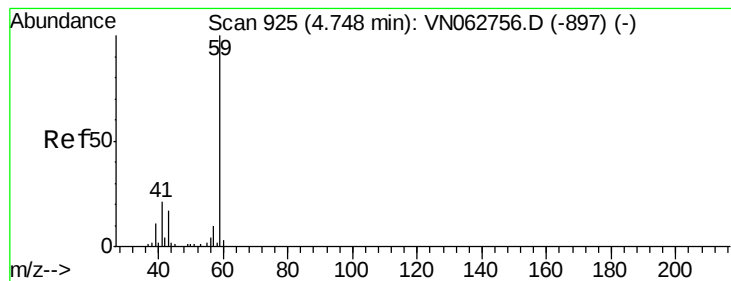
Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	142	Resp:	38757
Ion Ratio	Lower	Upper	
142	100		
127	46.4	41.4	62.0
141	14.3	12.2	18.4





#11

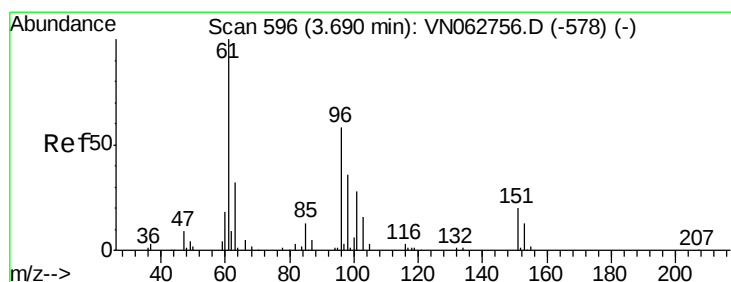
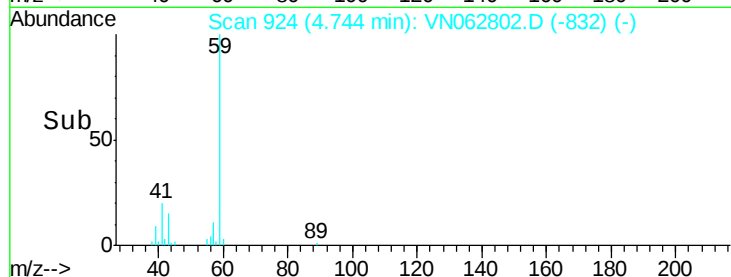
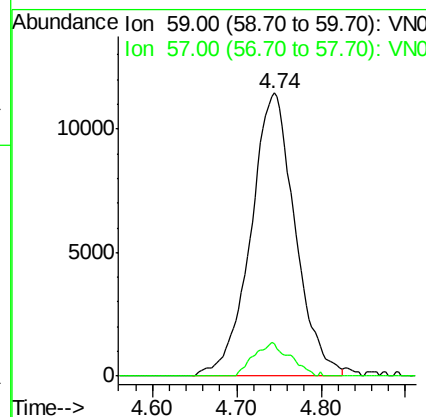
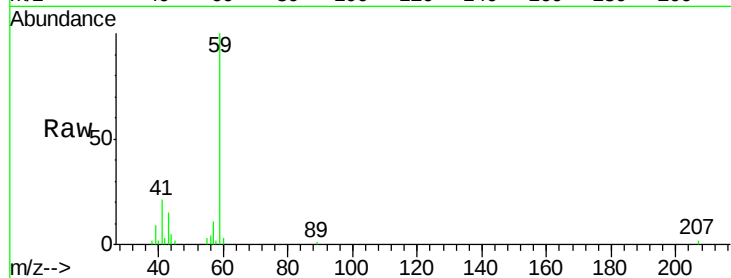
Tert butyl alcohol
Concen: 80.873 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

Manual Integrations
APPROVED

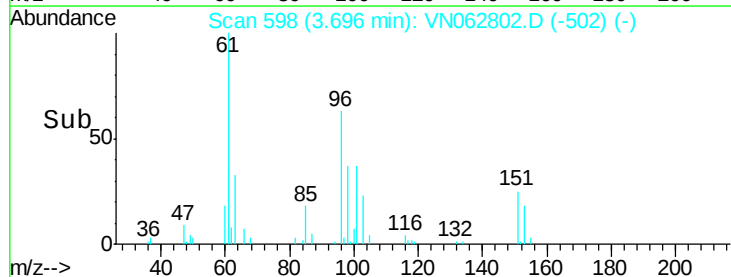
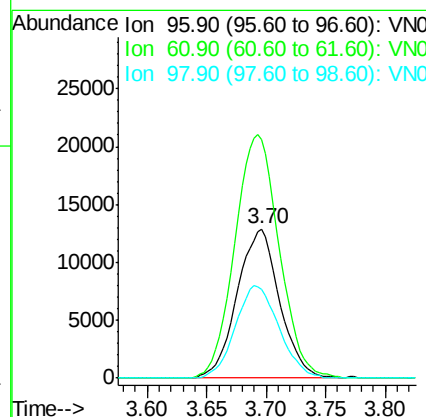
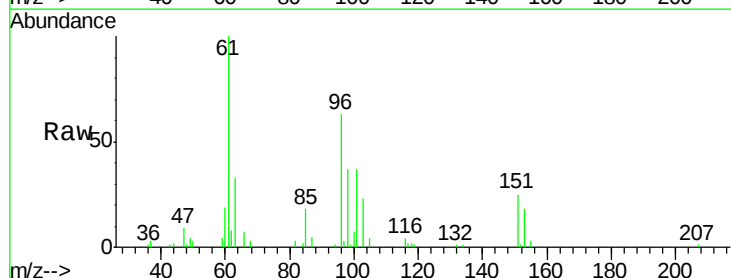
Sam
8/11/2020 3:24:44 PM

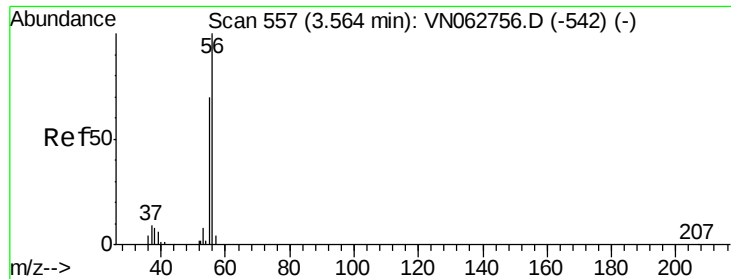


#12

1,1-Dichloroethene
Concen: 18.827 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.01 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	139.0	208.6
98	59.1	50.2	75.4





#13

Acrolein

Concen: 59.228 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 56 Resp: 18581

Ion Ratio Lower Upper

56 100

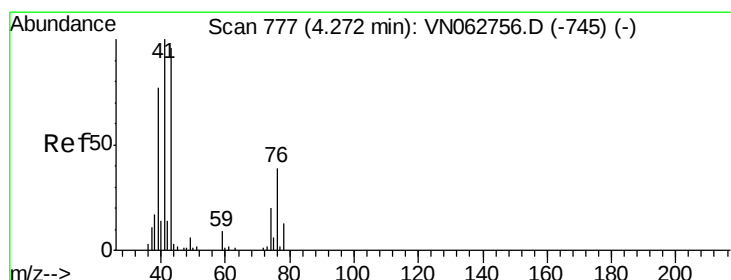
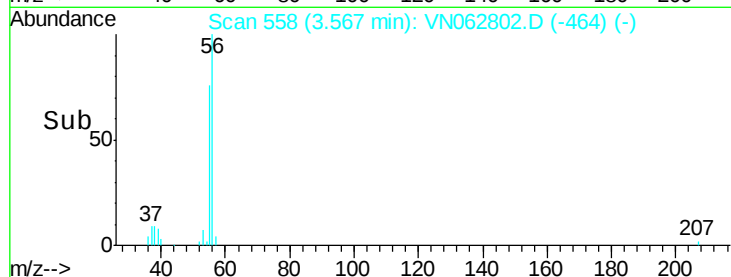
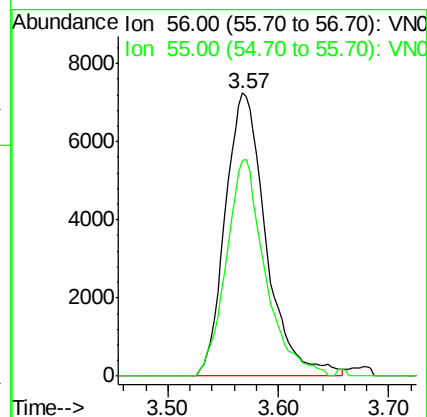
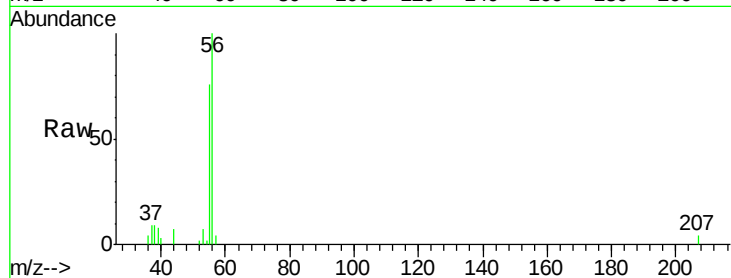
55 73.0 57.0 85.6

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#14

Allyl chloride

Concen: 17.643 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

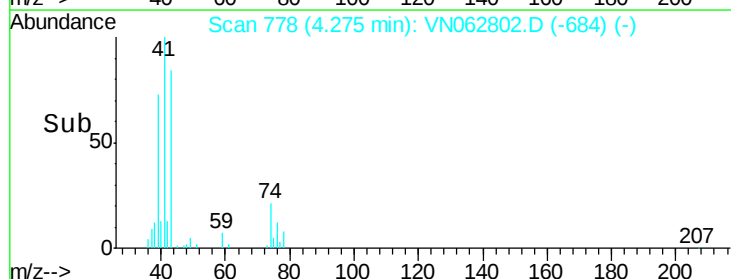
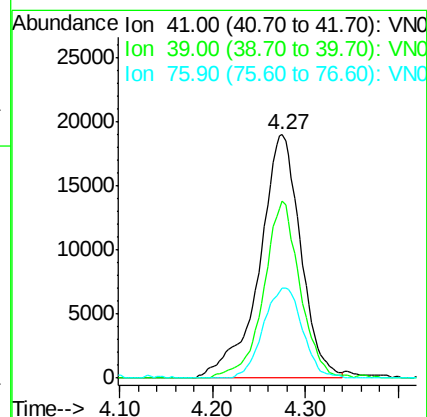
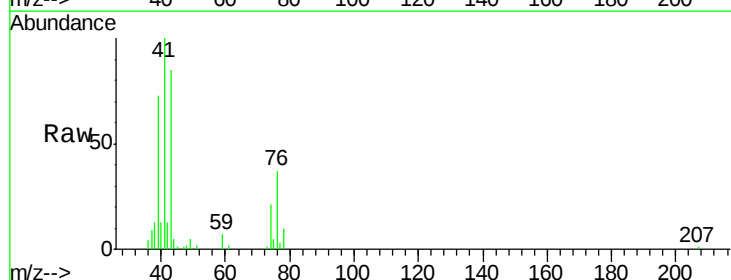
Tgt Ion: 41 Resp: 59050

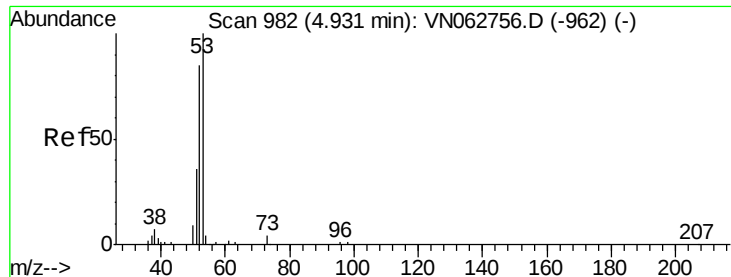
Ion Ratio Lower Upper

41 100

39 63.6 55.7 83.5

76 35.1 27.5 41.3





#15

Acrylonitrile

Concen: 86.623 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

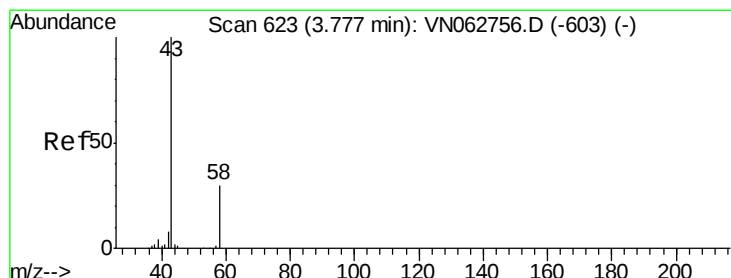
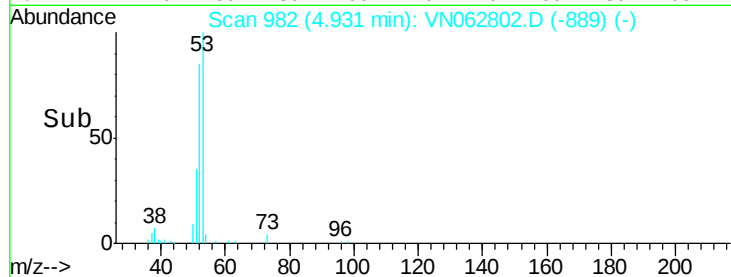
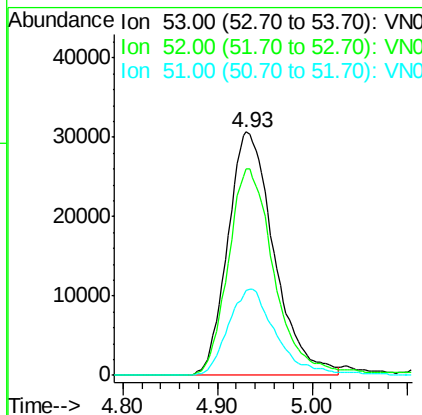
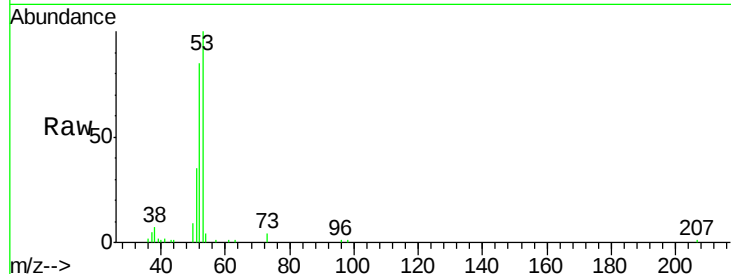
ClientSampleId :

VN0810MBS01

Tot Ion:	53	Resp:	104102
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.8	100.2
51	36.0	29.5	44.3

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#16

Acetone

Concen: 78.814 ug/l

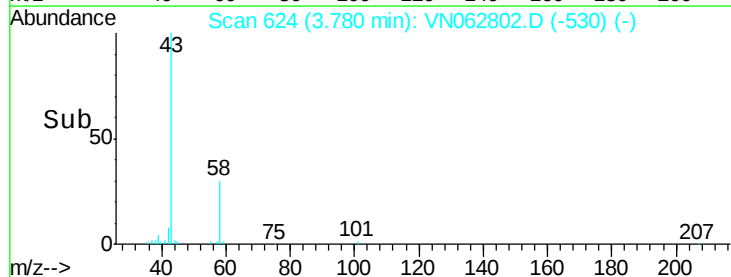
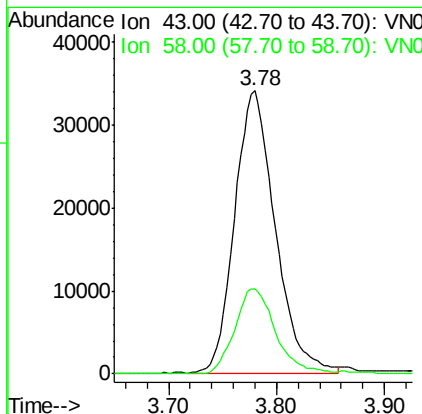
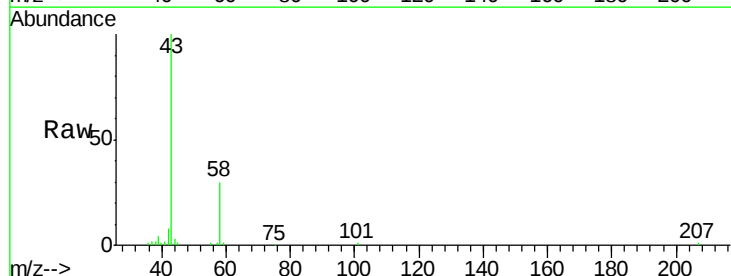
RT: 3.78 min Scan# 624

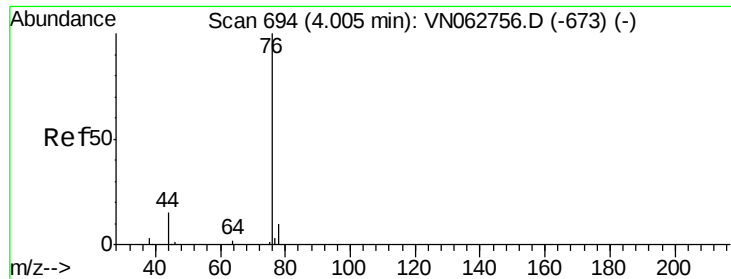
Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	43	Resp:	90032
Ion Ratio		Lower	Upper
43	100		
58	29.9	24.1	36.1





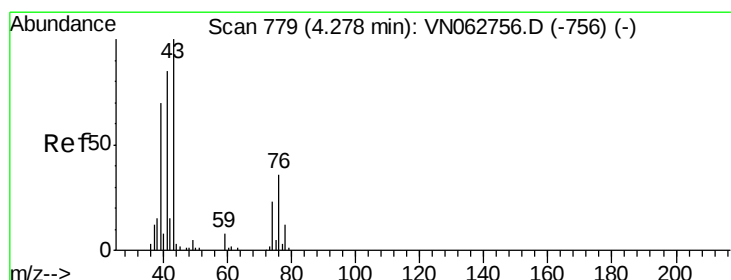
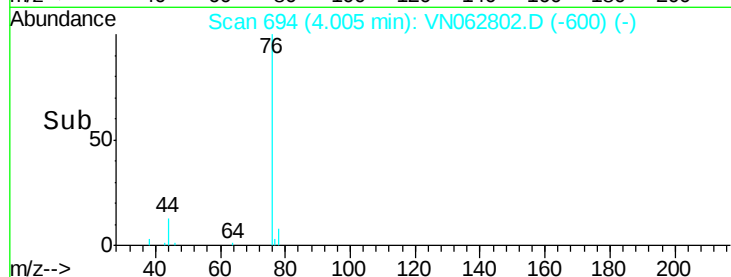
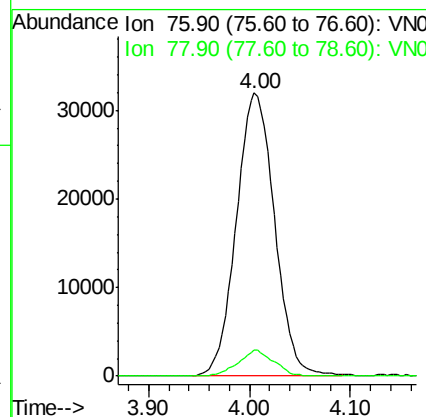
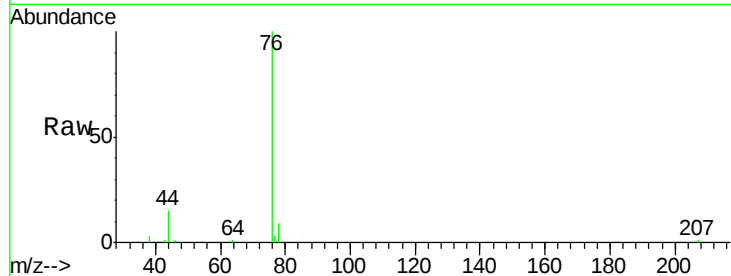
#17
Carbon Disulfide
Concen: 17.611 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

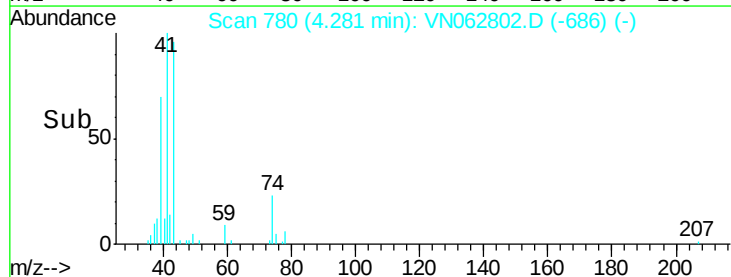
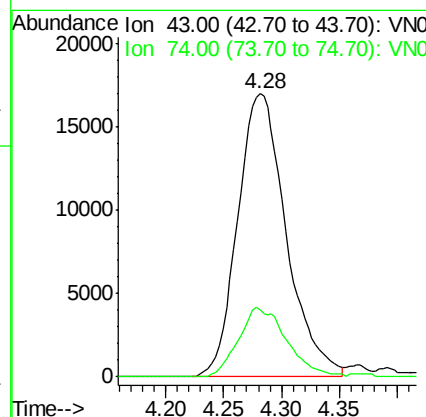
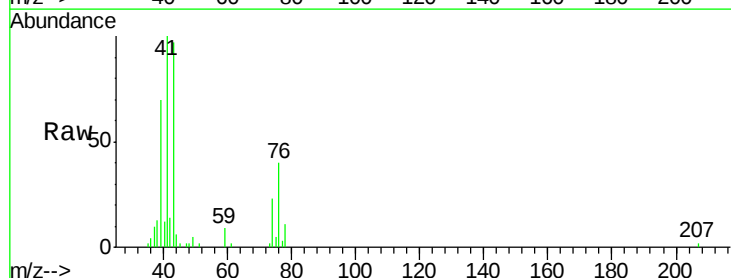
Manual Integrations
APPROVED

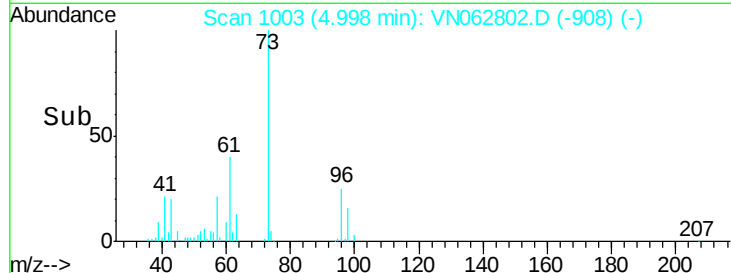
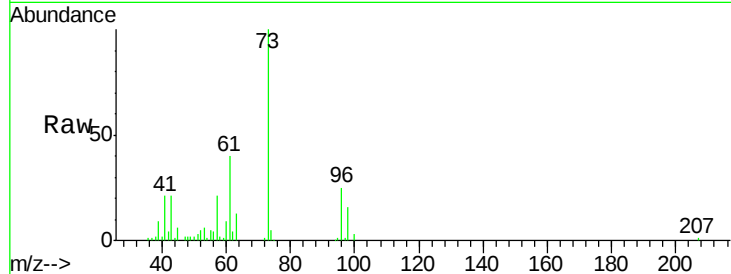
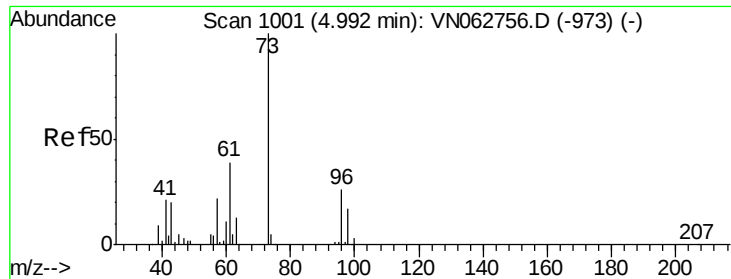
sam
8/11/2020 3:24:44 PM



#18
Methyl Acetate
Concen: 17.577 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.6	28.0





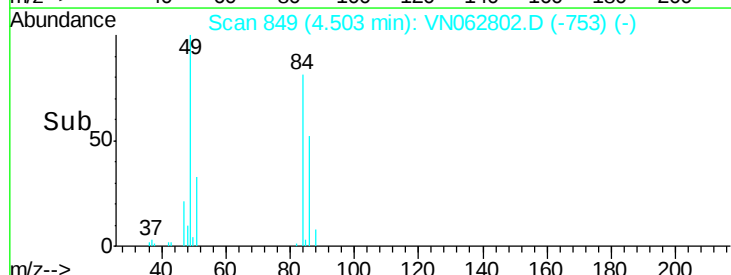
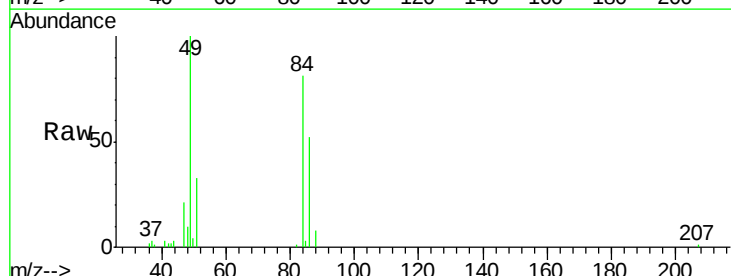
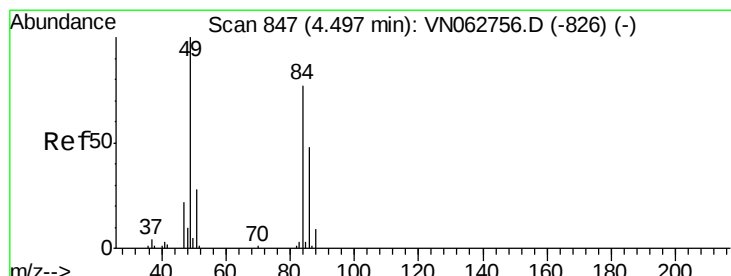
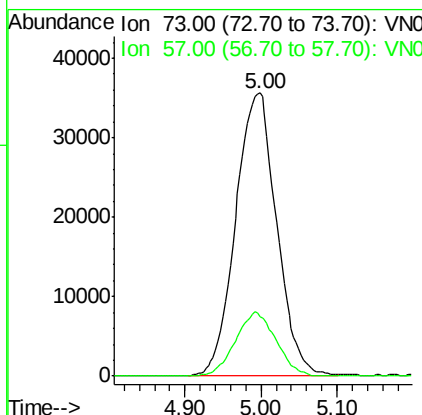
#19
Methvl tert-butvl Ether
Concen: 18.084 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tot Ion: 73 Resp: 133941
Ion Ratio Lower Upper
73 100
57 21.0 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

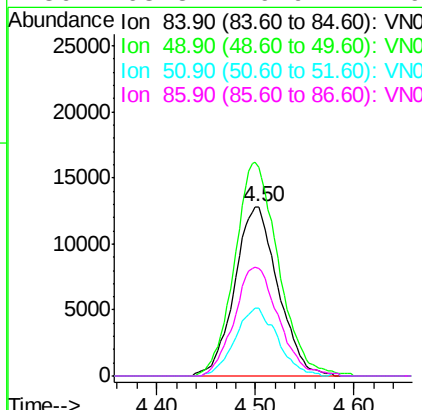
Manual Integrations
APPROVED

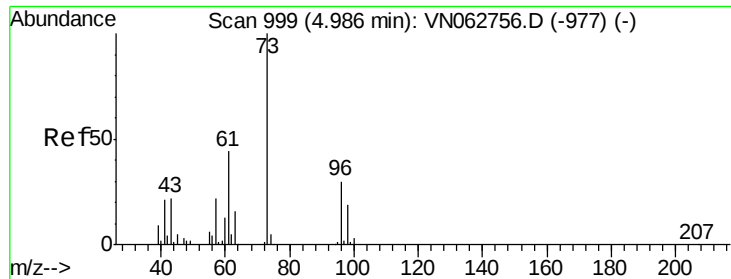
sam
8/11/2020 3:24:44 PM



#20
Methylene Chloride
Concen: 18.166 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion: 84 Resp: 38988
Ion Ratio Lower Upper
84 100
49 123.0 103.4 155.2
51 40.2 29.3 43.9
86 63.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.773 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

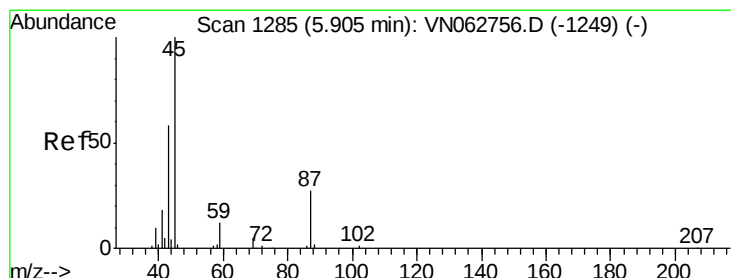
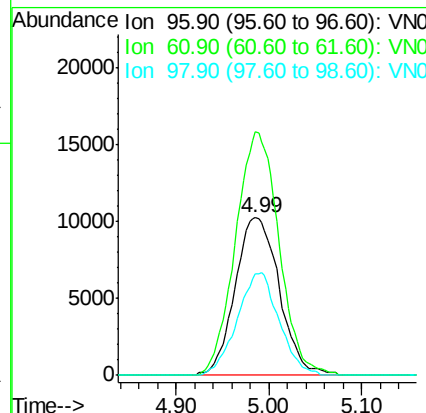
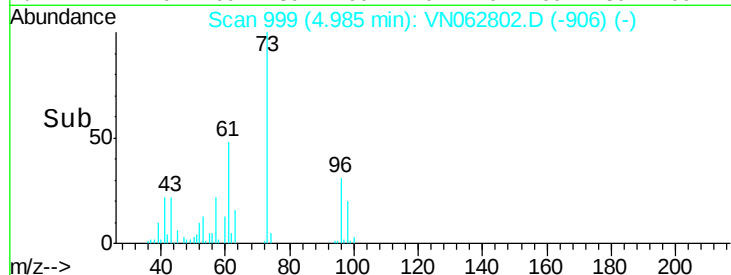
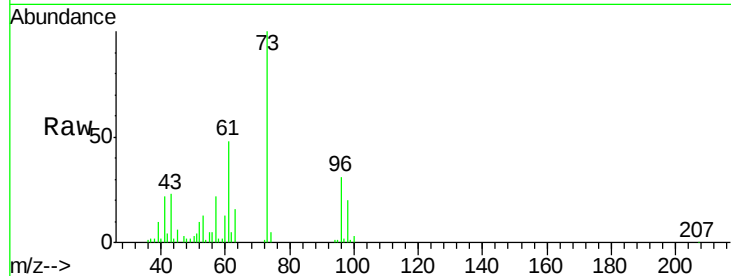
ClientSampleId :

VN0810MBS01

Tot Ion:	96	Resp:	34002
Ion	Ratio	Lower	Upper
96	100		
61	154.8	118.8	178.2
98	64.3	51.0	76.4

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#22

Diisopropyl ether

Concen: 18.767 ug/l

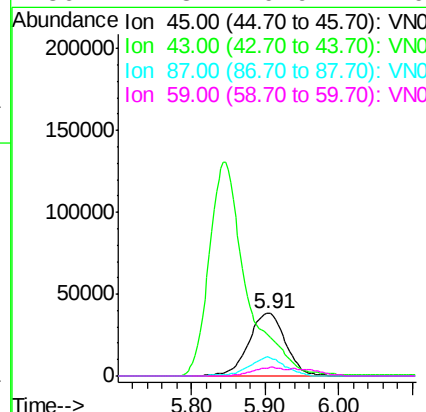
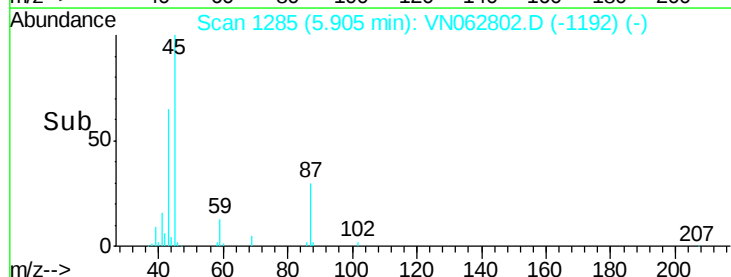
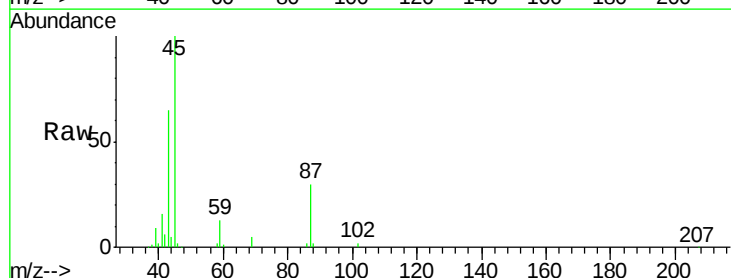
RT: 5.91 min Scan# 1285

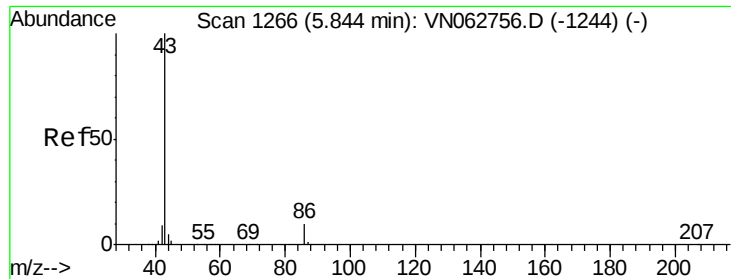
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	45	Resp:	133717
Ion	Ratio	Lower	Upper
45	100		
43	62.8	47.4	71.2
87	29.8	22.8	34.2
59	12.8	9.9	14.9





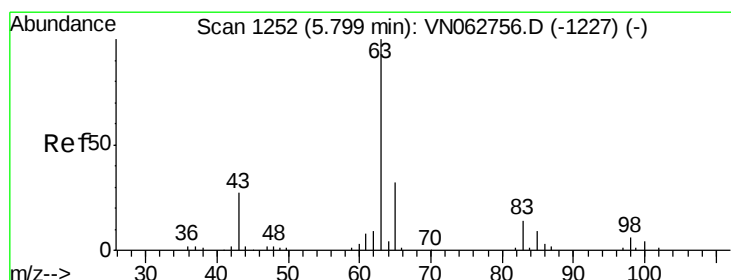
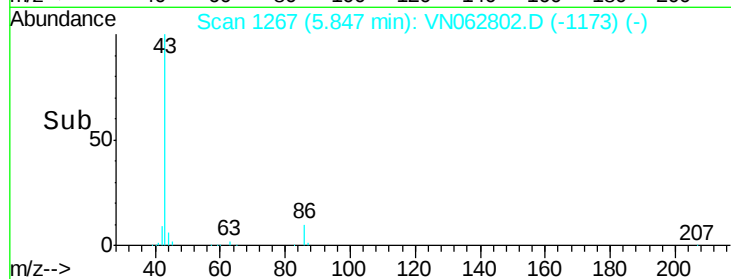
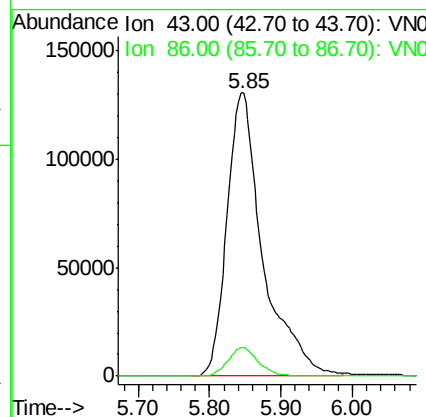
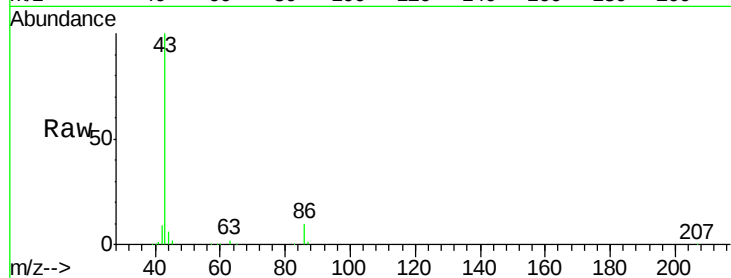
#23
 Vinyl Acetate
 Concen: 84.499 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.7	11.5

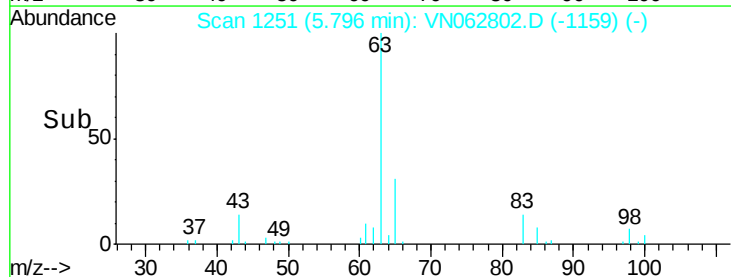
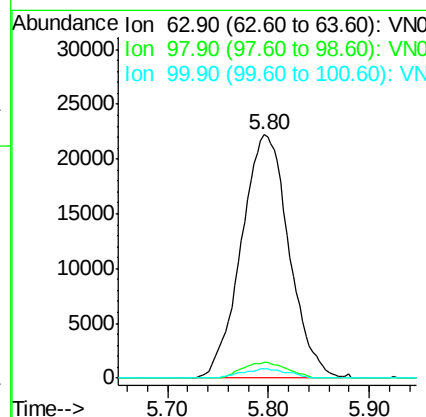
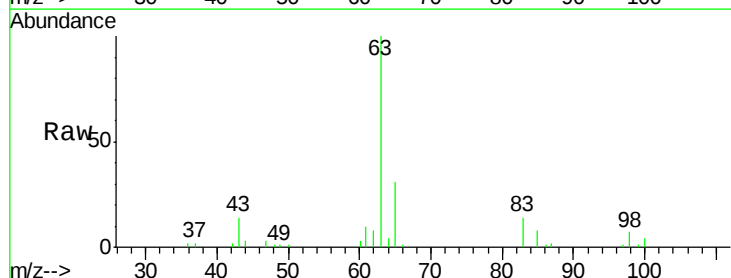
Manual Integrations
 APPROVED

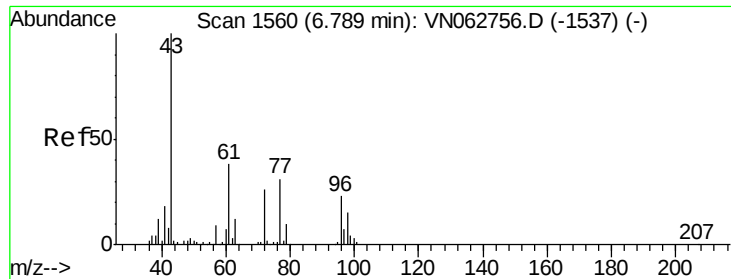
sam
 8/11/2020 3:24:44 PM



#24
 1,1-Dichloroethane
 Concen: 17.456 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	3.9	1.9	5.7





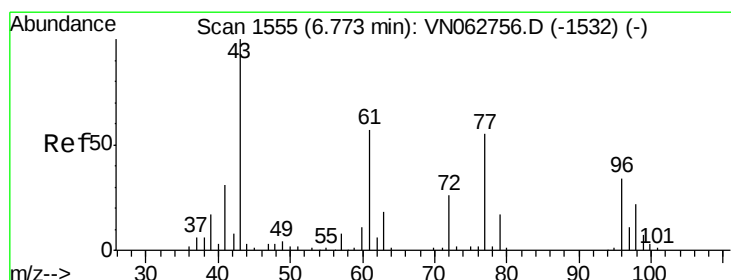
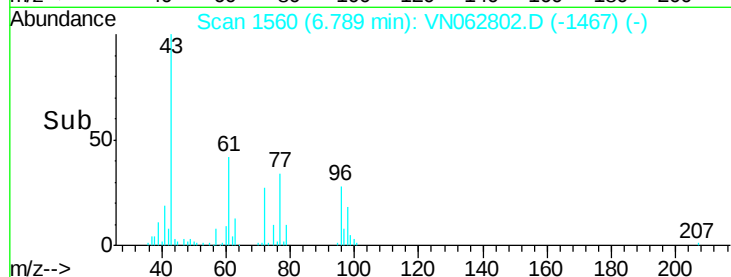
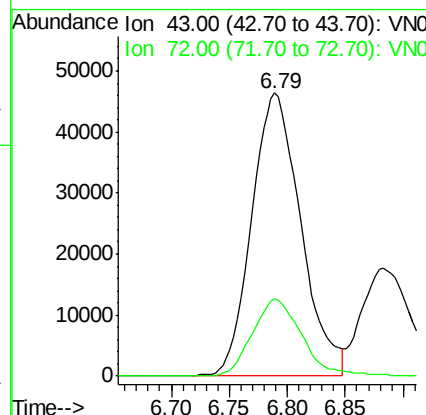
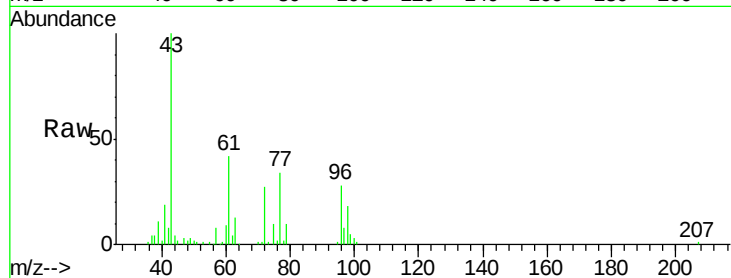
#25
 2-Butanone
 Concen: 84.539 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion: 43 Resp: 136774
 Ion Ratio Lower Upper
 43 100
 72 27.2 21.1 31.7

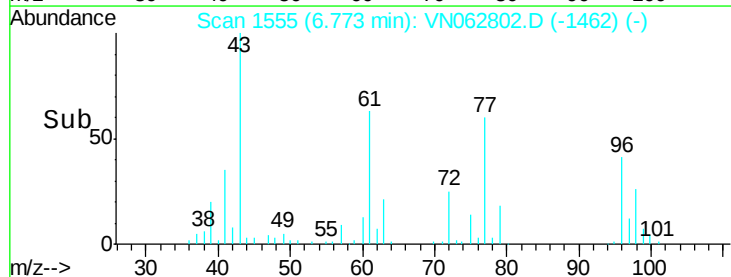
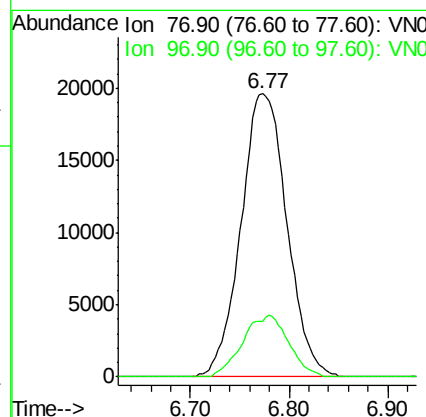
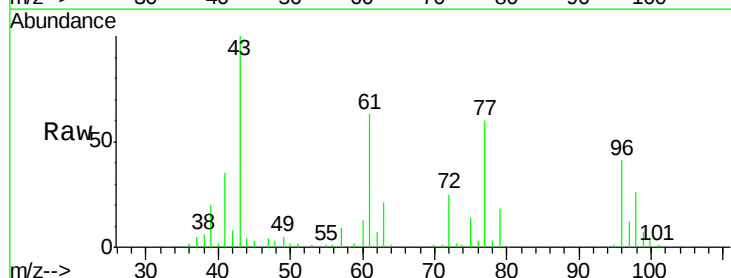
Manual Integrations
 APPROVED

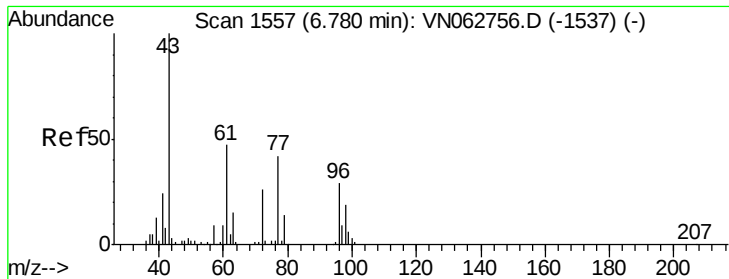
sam
 8/11/2020 3:24:44 PM



#26
 2,2-Dichloropropane
 Concen: 16.449 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion: 77 Resp: 63310
 Ion Ratio Lower Upper
 77 100
 97 21.7 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.196 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

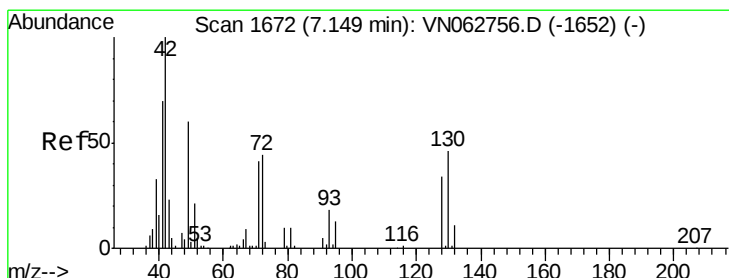
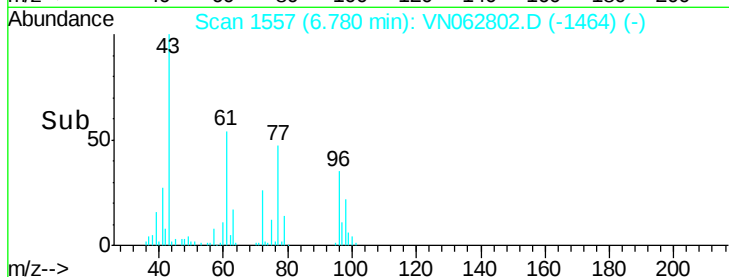
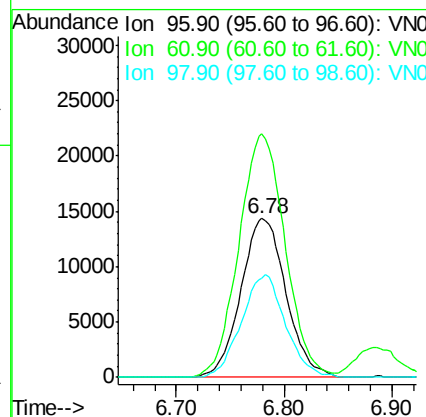
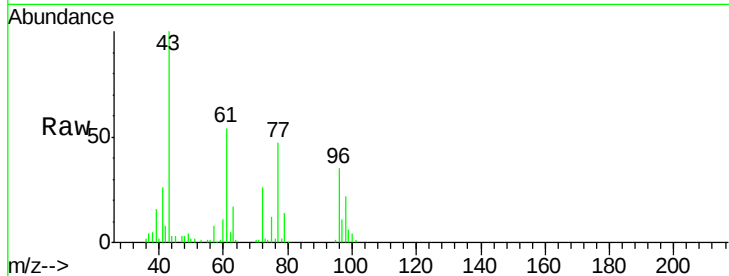
ClientSampleId :

VN0810MBS01

Tot Ion:	96	Resp:	41759
Ion	Ratio	Lower	Upper
96	100		
61	156.8	0.0	332.2
98	62.9	0.0	129.4

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#28

Bromochloromethane

Concen: 17.228 ug/l

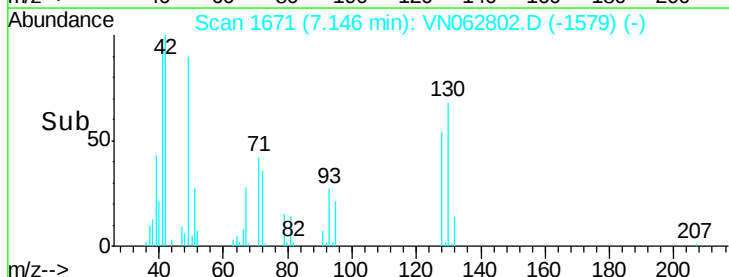
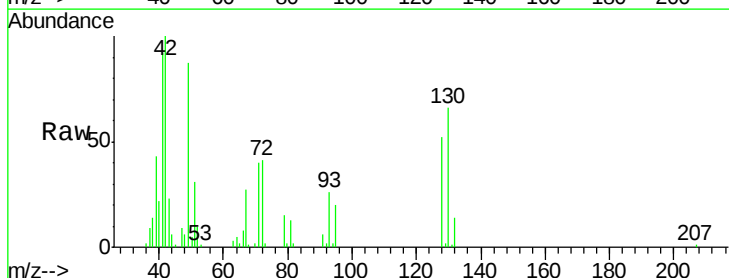
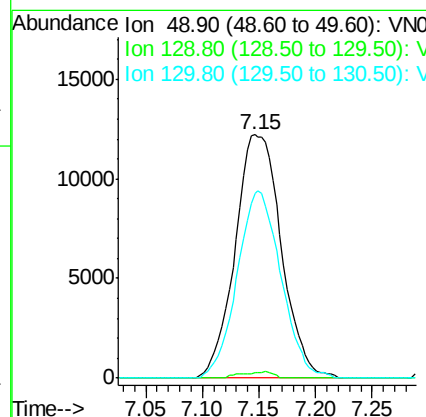
RT: 7.15 min Scan# 1671

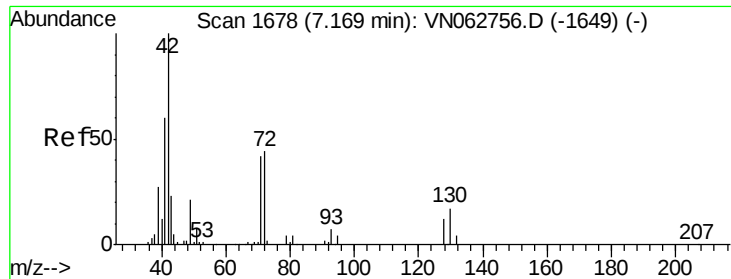
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	49	Resp:	34718
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.7	59.0	88.6





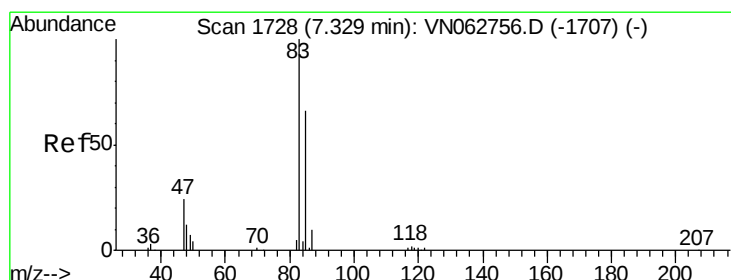
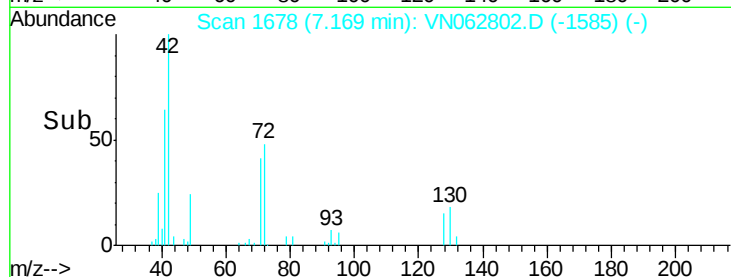
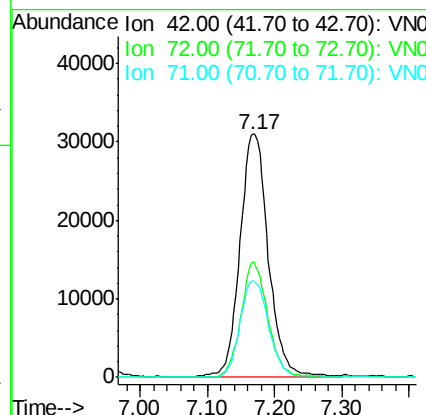
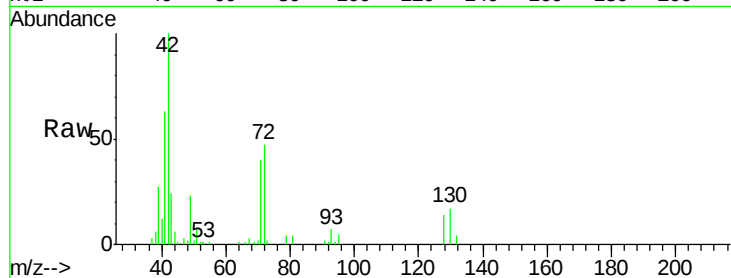
#29
Tetrahydrofuran
Concen: 86.728 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.4
71	39.9	33.2	49.8

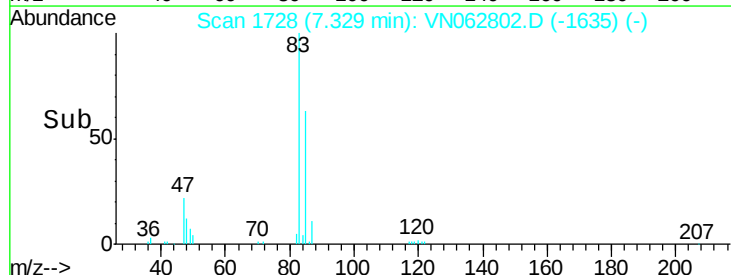
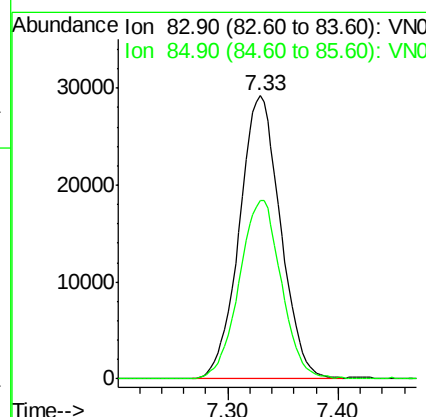
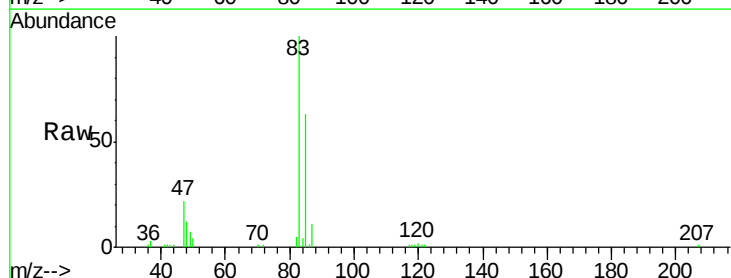
Manual Integrations
APPROVED

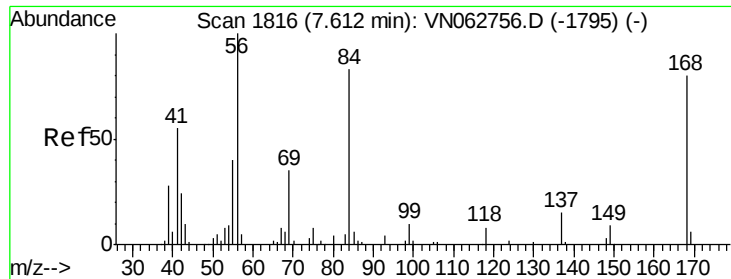
sam
8/11/2020 3:24:44 PM



#30
Chloroform
Concen: 17.009 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.7	79.1





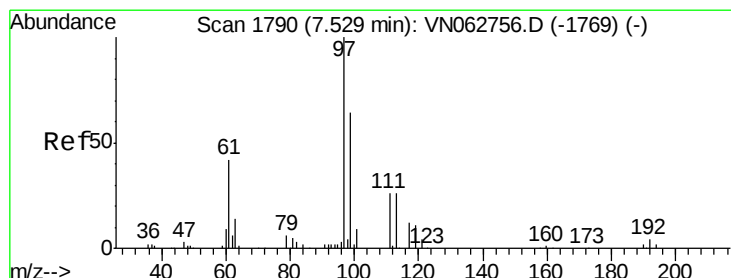
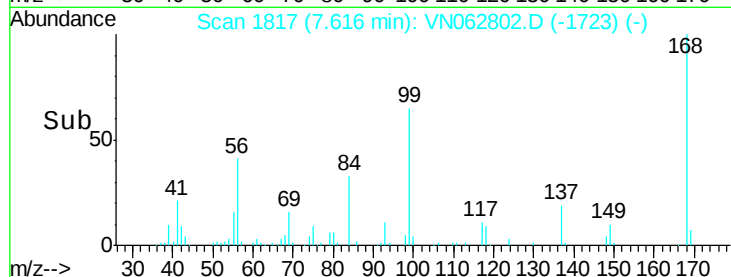
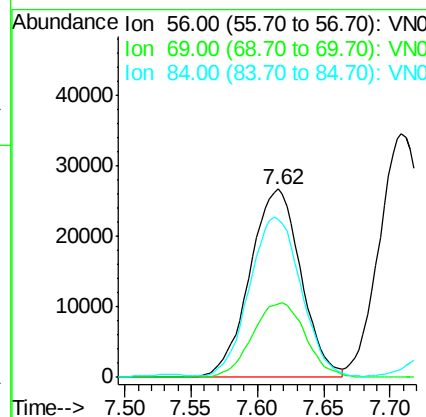
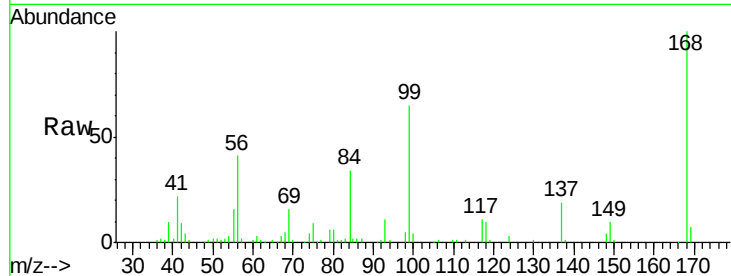
#31
Cyclohexane
Concen: 18.658 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	28.1	42.1
84	83.5	66.8	100.2

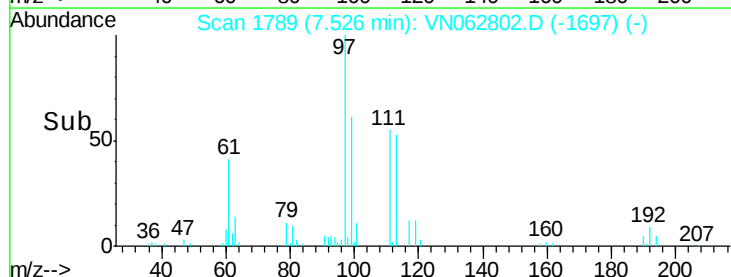
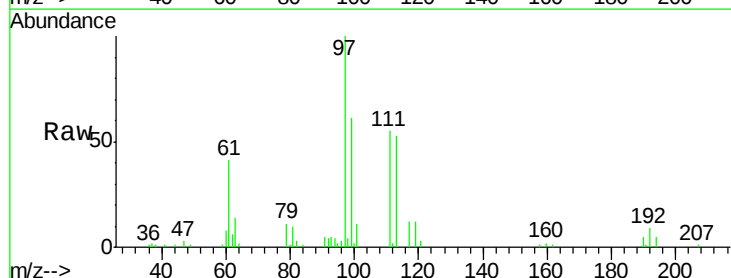
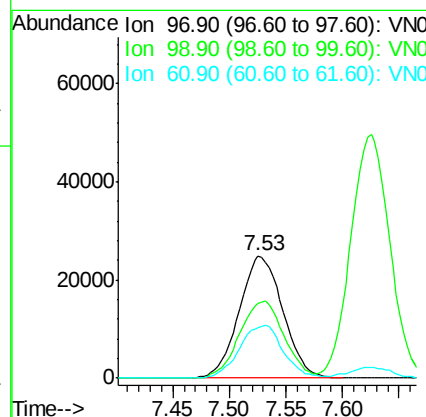
Manual Integrations
APPROVED

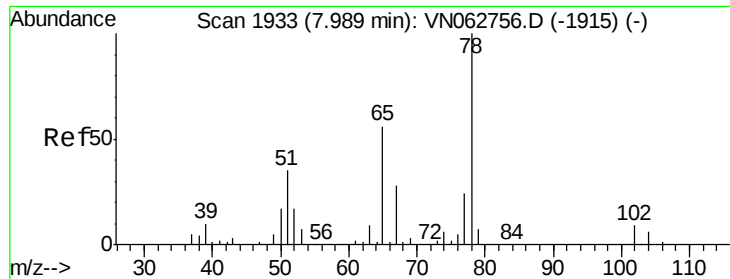
Sam
8/11/2020 3:24:44 PM



#32
1,1,1-Trichloroethane
Concen: 16.865 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.0	75.0
61	43.1	34.8	52.2





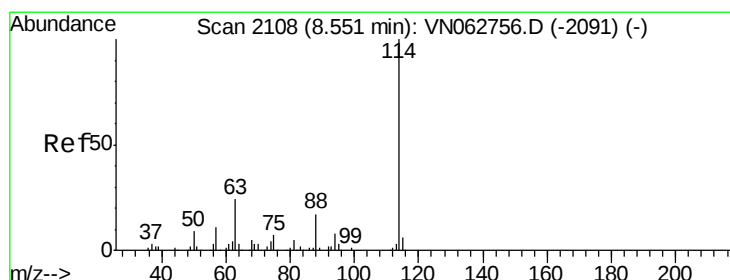
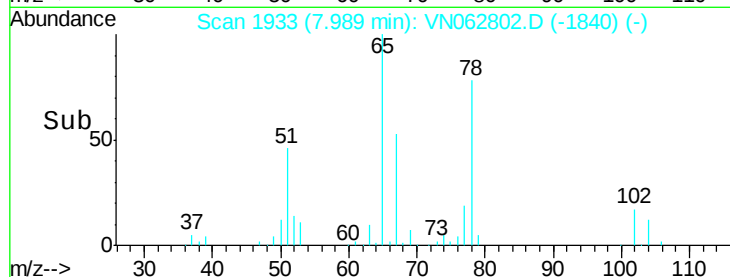
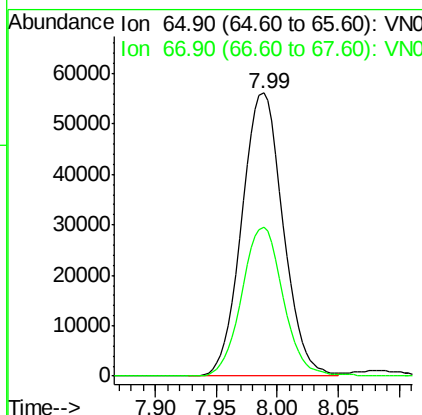
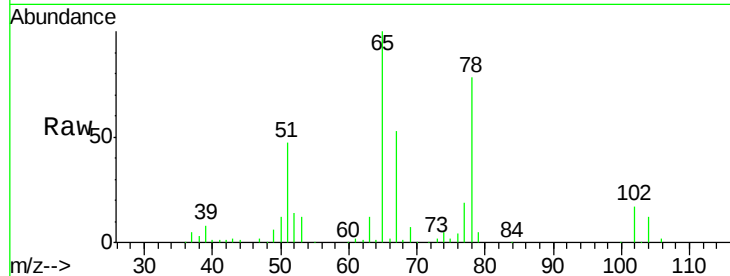
#33
 1,2-Dichloroethane-d4
 Concen: 41.569 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	101.4	

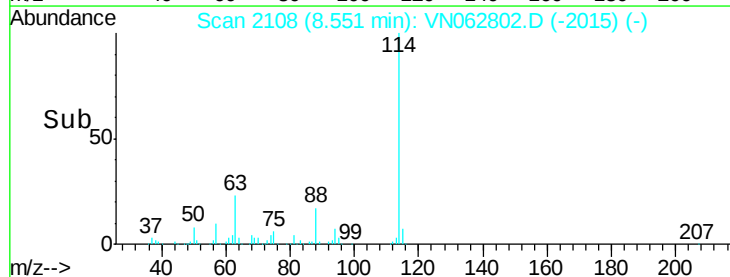
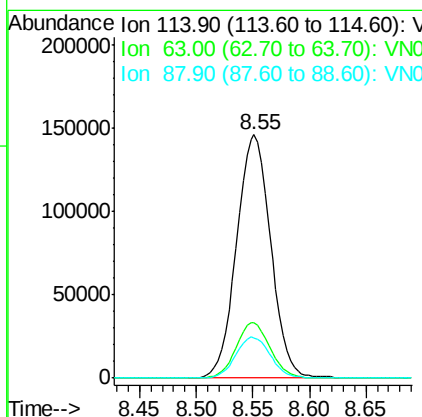
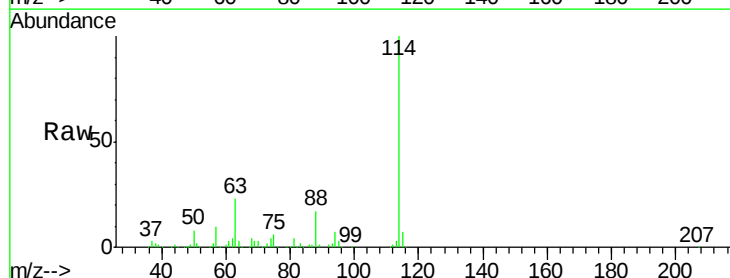
Manual Integrations
 APPROVED

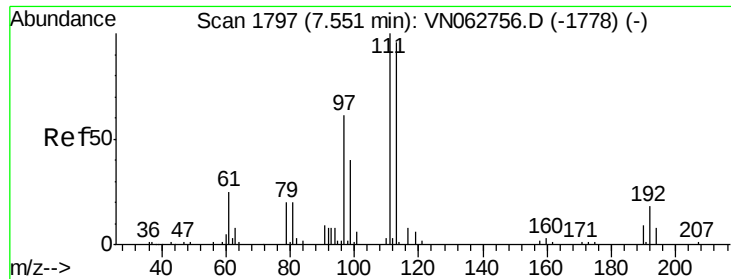
sam
 8/11/2020 3:24:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	47.6	
88	16.7	0.0	34.4	





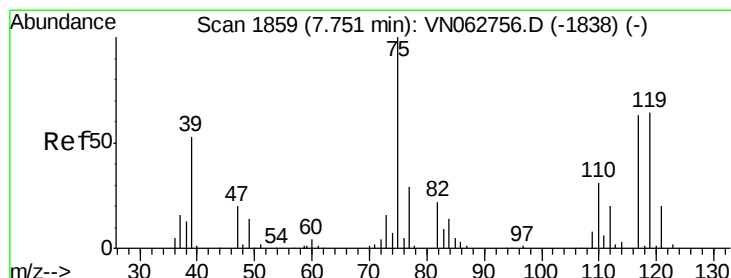
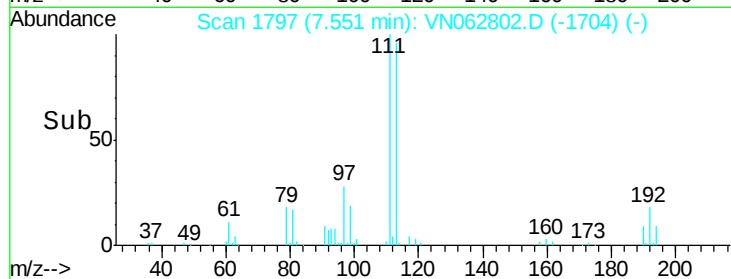
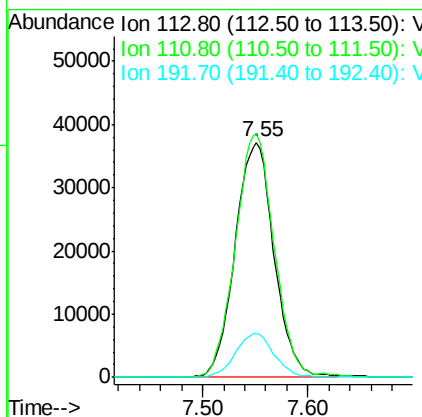
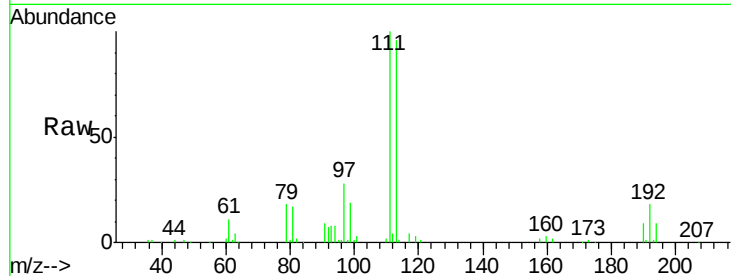
#35
 Dibromofluoromethane
 Concen: 45.172 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0810MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	18.5	15.0	22.4

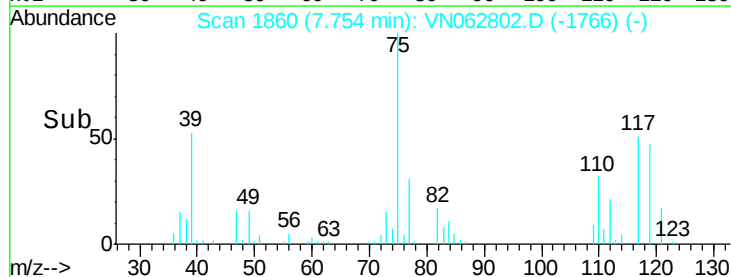
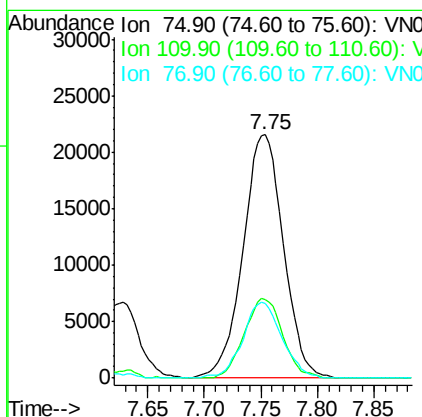
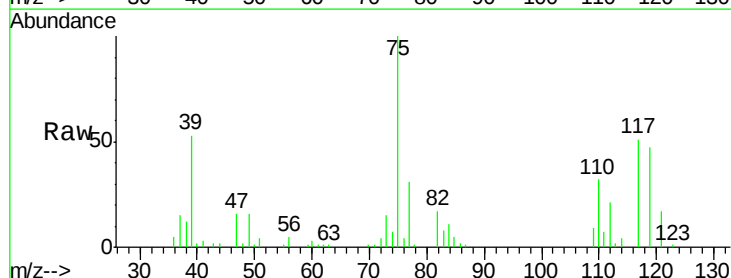
Manual Integrations
 APPROVED

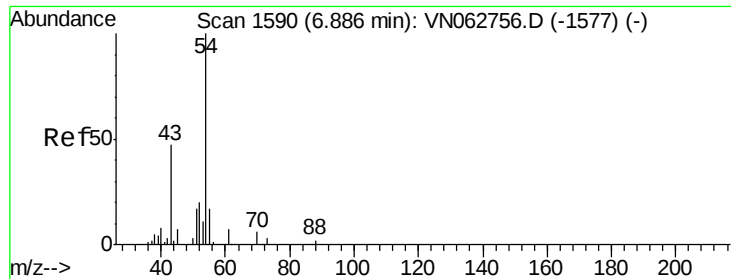
sam
 8/11/2020 3:24:44 PM



#36
 1,1-Dichloropropene
 Concen: 17.870 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.6	46.7
77	30.2	24.1	36.1





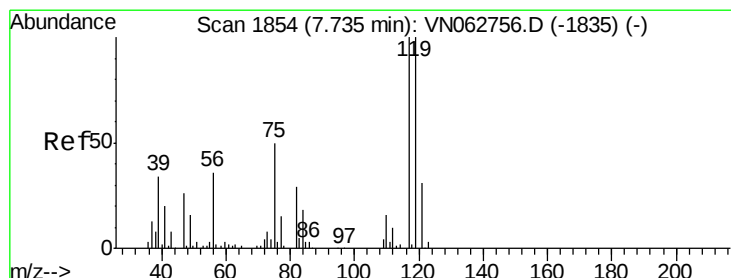
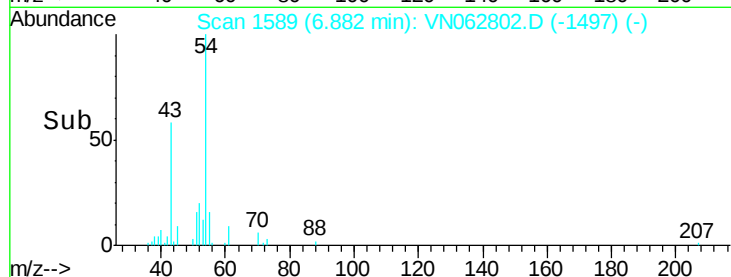
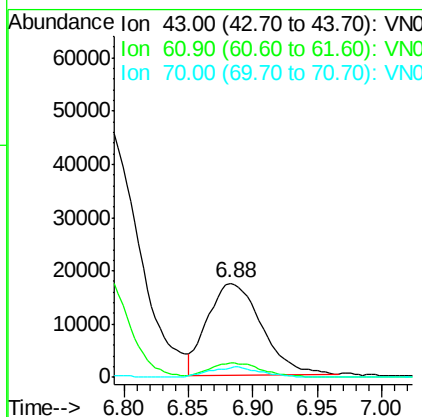
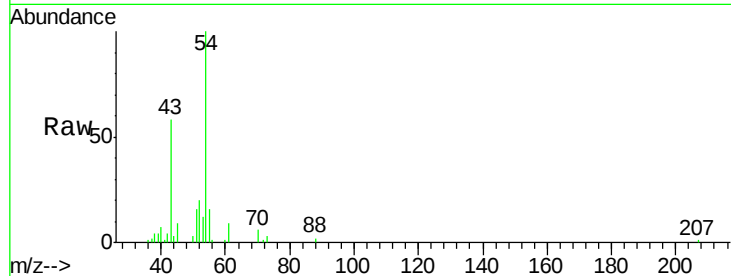
#37
Ethyl Acetate
Concen: 16.063 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.1	18.1
70	10.7	8.3	12.5

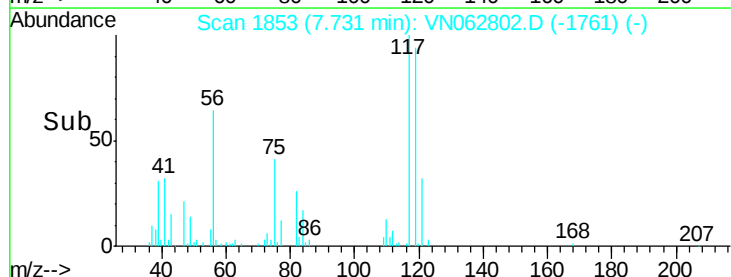
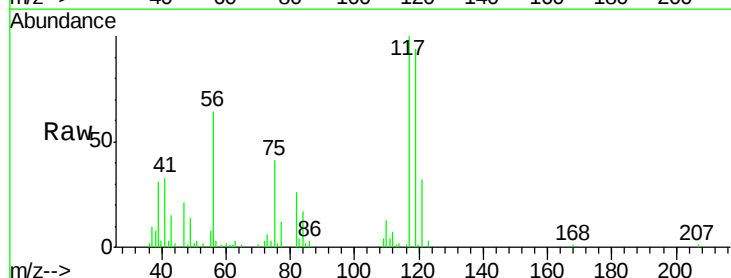
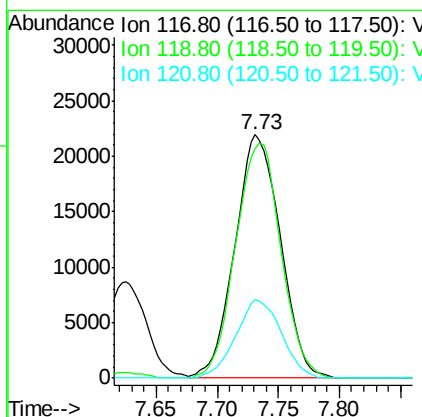
Manual Integrations
APPROVED

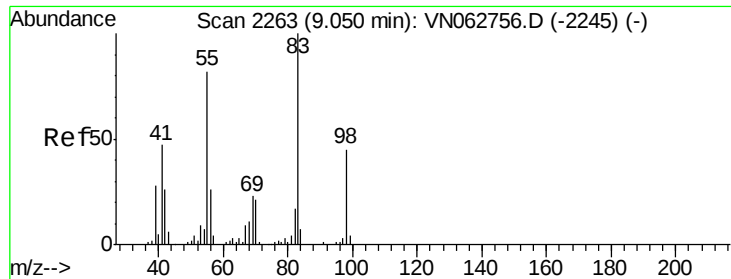
sam
8/11/2020 3:24:44 PM



#38
Carbon Tetrachloride
Concen: 16.001 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.4	119.2
121	32.3	24.9	37.3





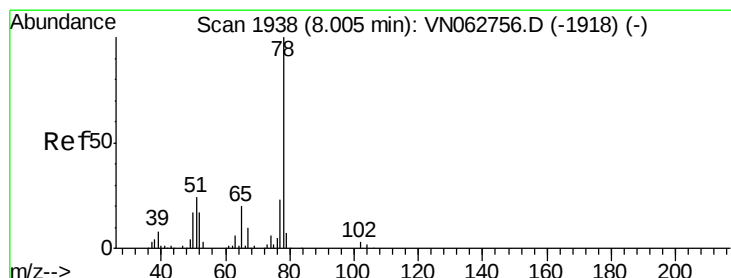
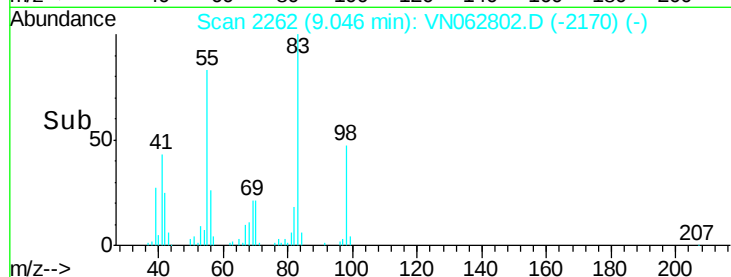
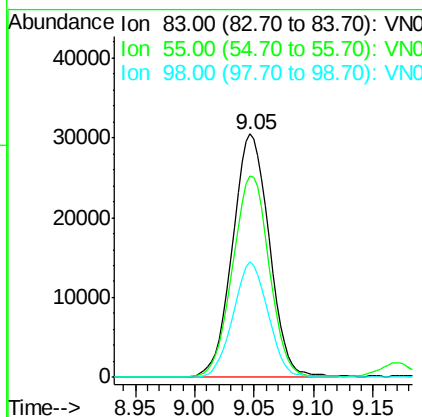
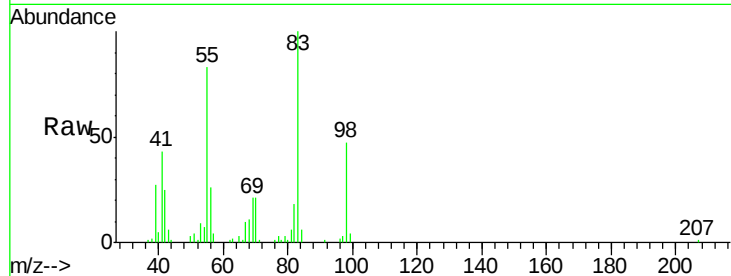
#39
Methvlcvclohexane
Concen: 18.107 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	65.7	98.5
98	47.4	35.6	53.4

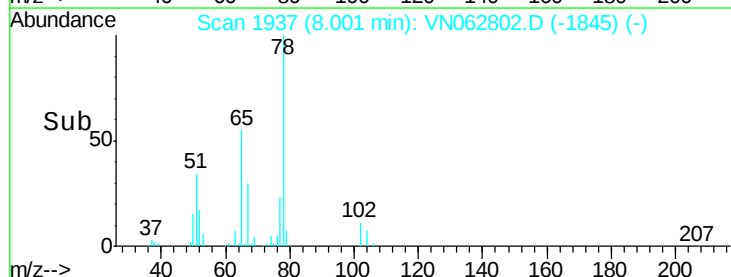
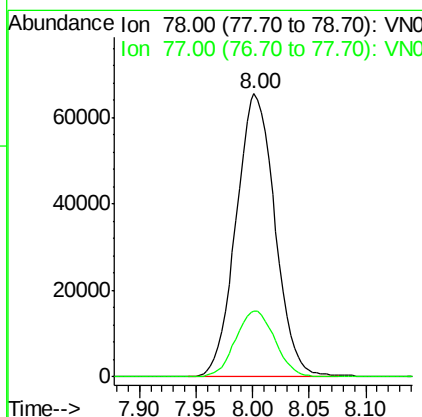
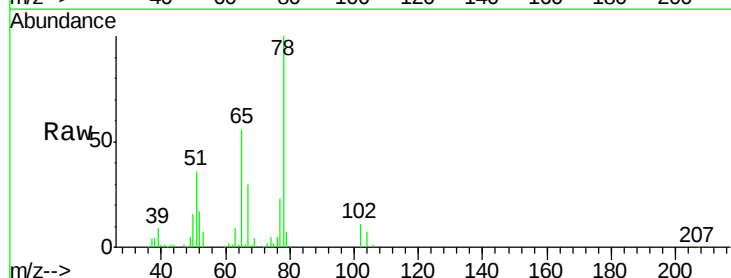
Manual Integrations
APPROVED

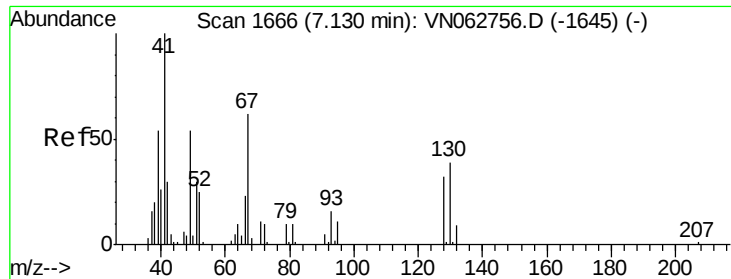
sam
8/11/2020 3:24:44 PM



#40
Benzene
Concen: 17.517 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1





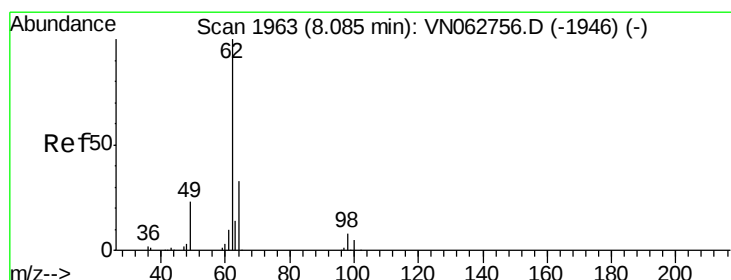
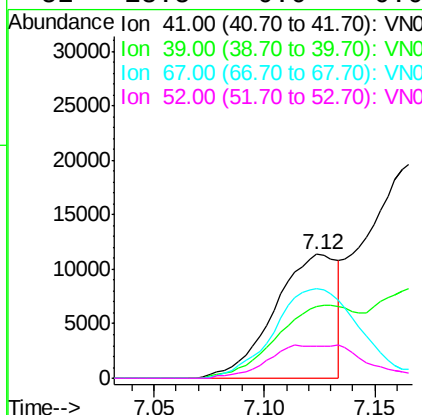
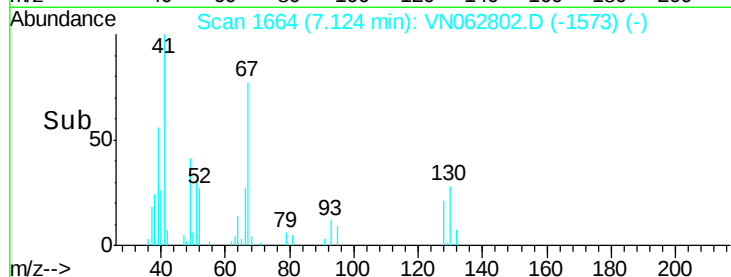
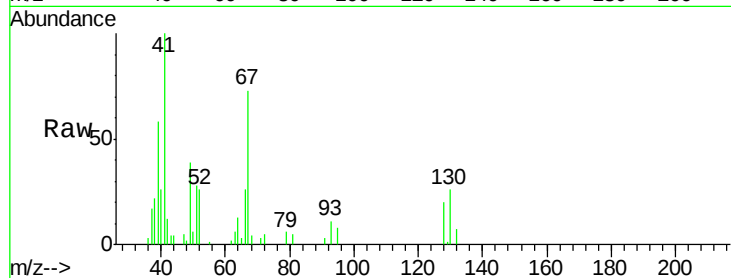
#41
Methacrylonitrile
Concen: 15.897 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		22480		
39	73.3	69.4	104.2		
67	100.1	0.0	0.0#		
52	18.5	0.0	0.0#		

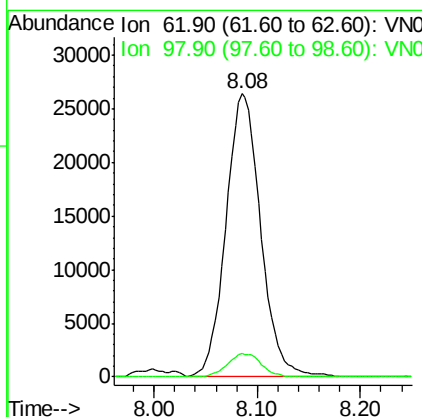
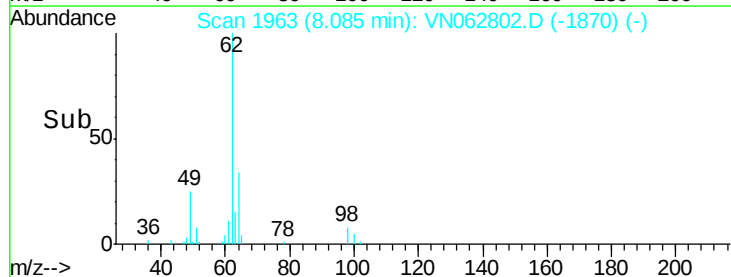
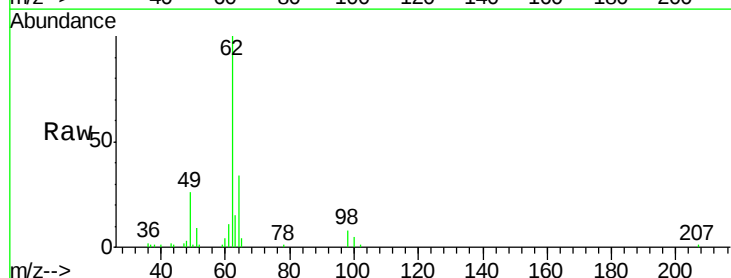
Manual Integrations
APPROVED

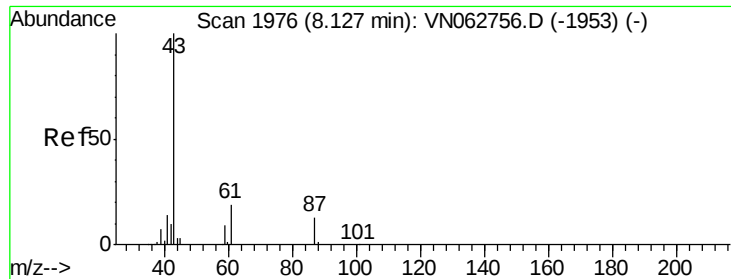
sam
8/11/2020 3:24:44 PM



#42
1,2-Dichloroethane
Concen: 16.259 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		61950		
98	8.1	0.0	15.8		





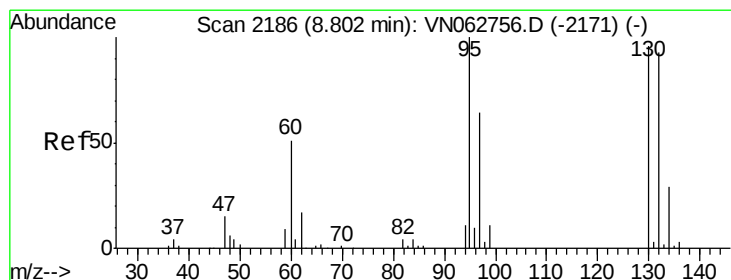
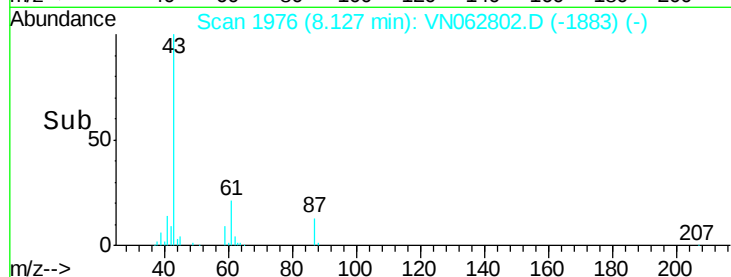
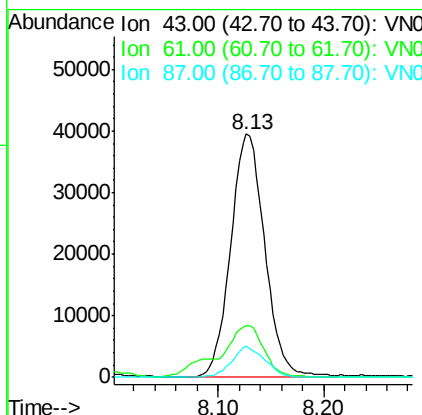
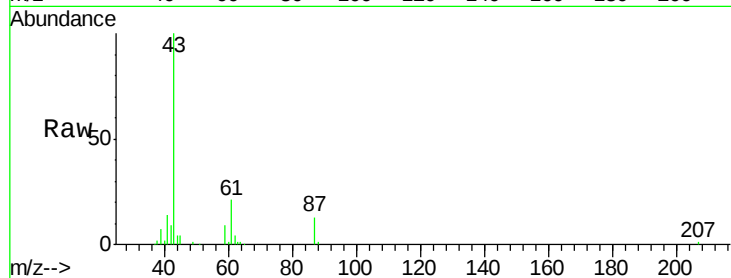
#43
Isopropyl Acetate
Concen: 17.027 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.8	23.6
87	12.3	9.9	14.9

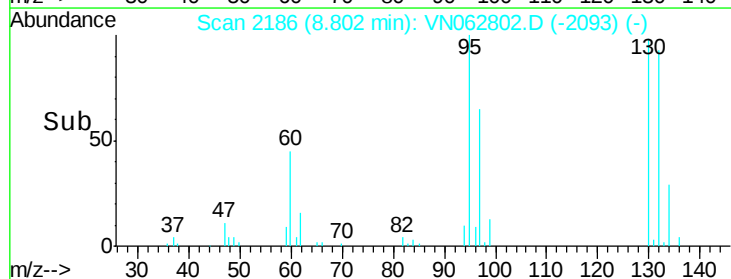
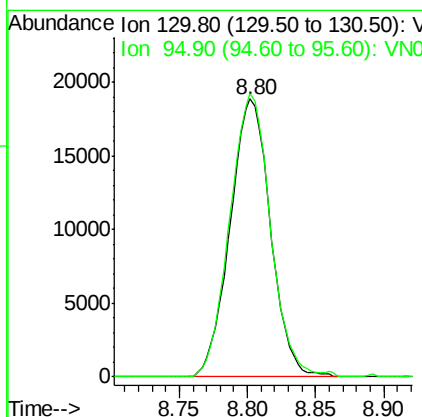
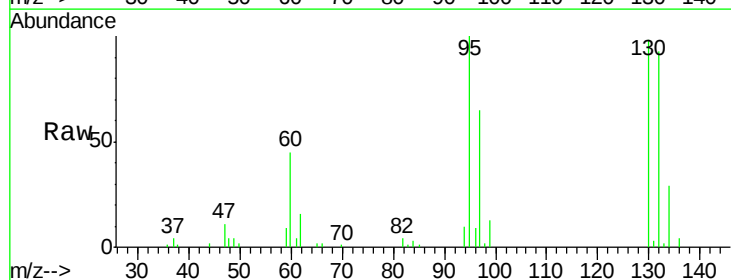
Manual Integrations
APPROVED

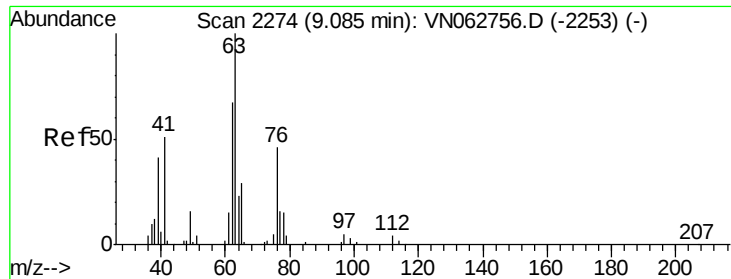
sam
8/11/2020 3:24:44 PM



#44
Trichloroethene
Concen: 17.772 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	207.6





#45

1,2-Dichloropropane

Concen: 18.159 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 63 Resp: 43996

Ion Ratio Lower Upper

63 100

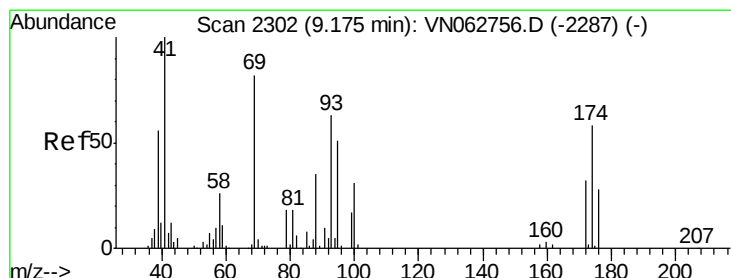
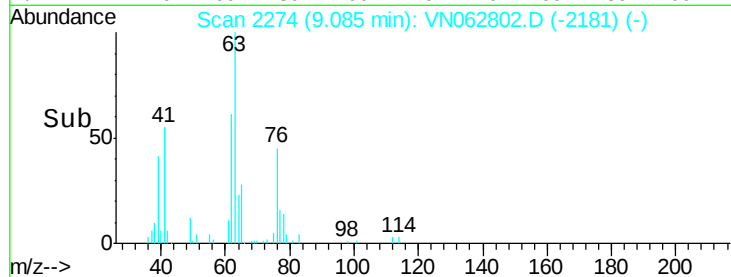
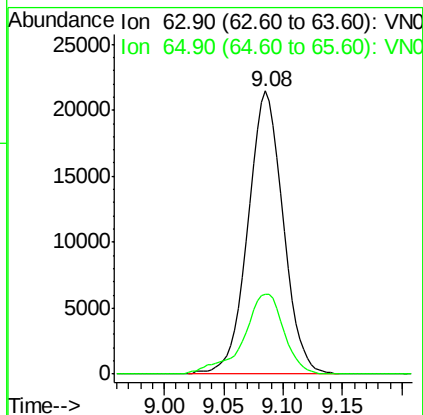
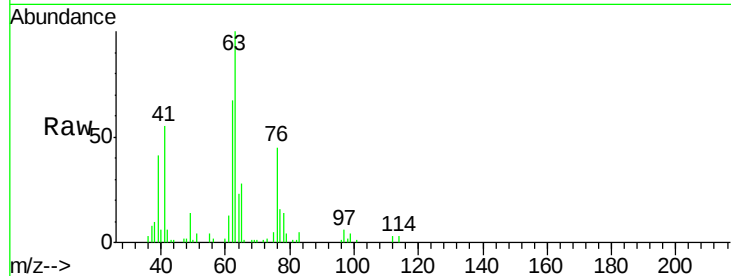
65 28.4 23.5 35.3

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#46

Dibromomethane

Concen: 17.338 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

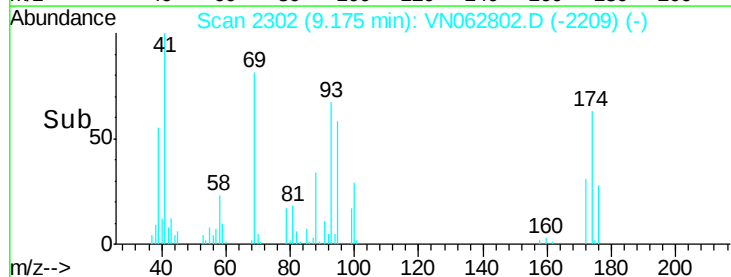
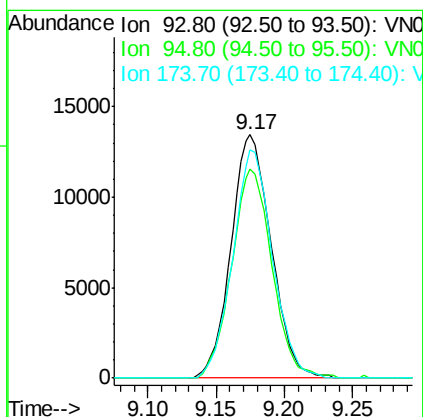
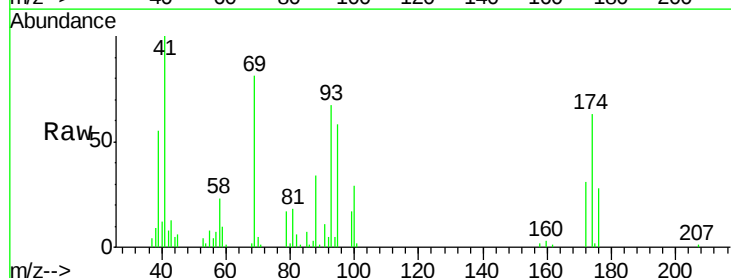
Tgt Ion: 93 Resp: 27524

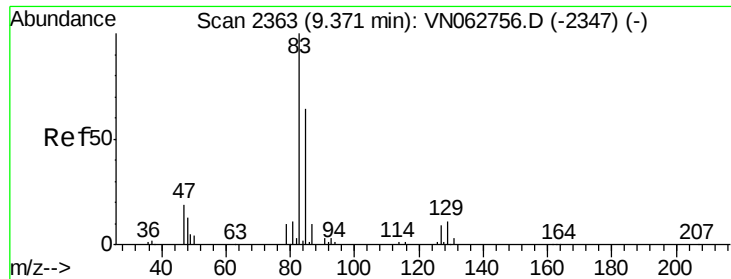
Ion Ratio Lower Upper

93 100

95 86.1 65.1 97.7

174 92.5 73.9 110.9





#47

Bromodichloromethane

Concen: 17.335 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

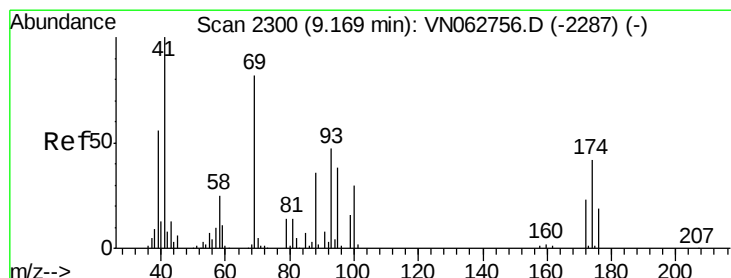
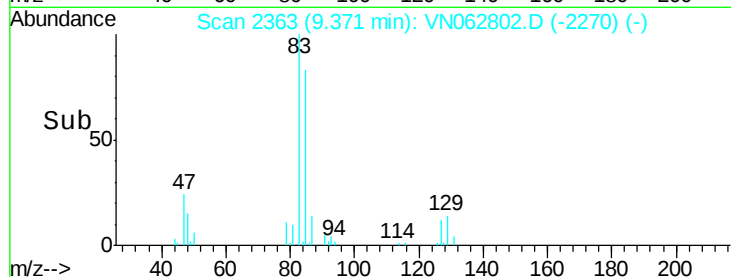
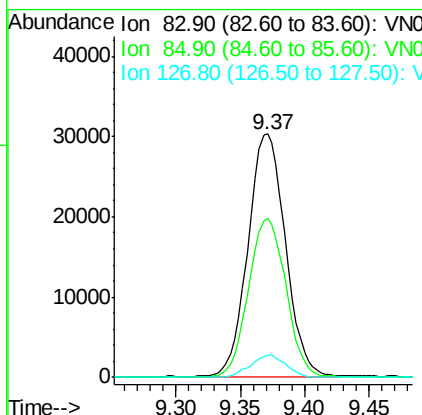
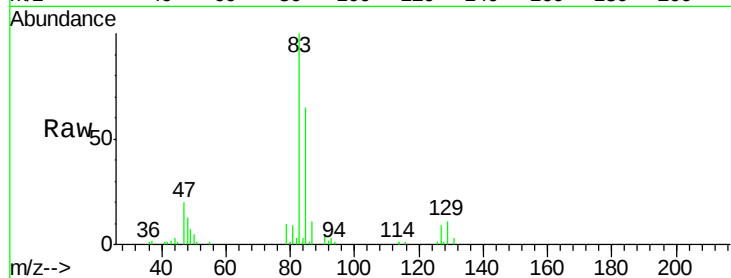
ClientSampleId :

VN0810MBS01

Tot Ion:	83	Resp:	61809
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0
127	9.2	6.9	10.3

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#48

Methyl methacrylate

Concen: 16.786 ug/l

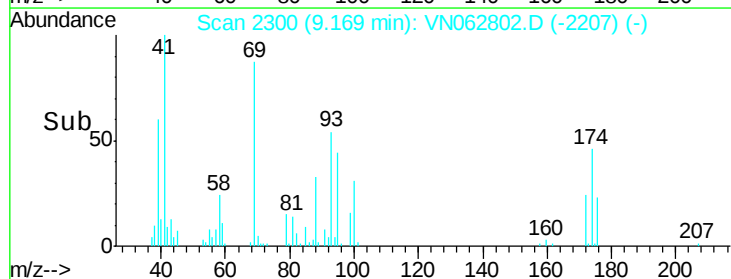
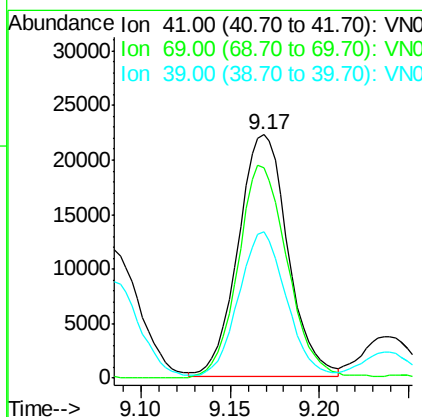
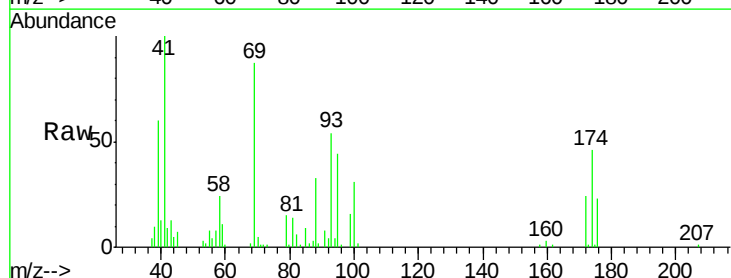
RT: 9.17 min Scan# 2300

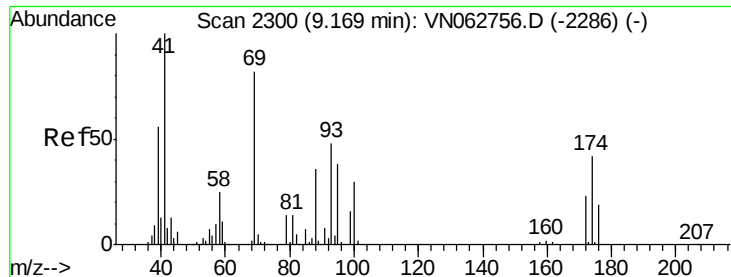
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	41	Resp:	43158
Ion	Ratio	Lower	Upper
41	100		
69	87.9	67.4	101.2
39	58.8	47.6	71.4





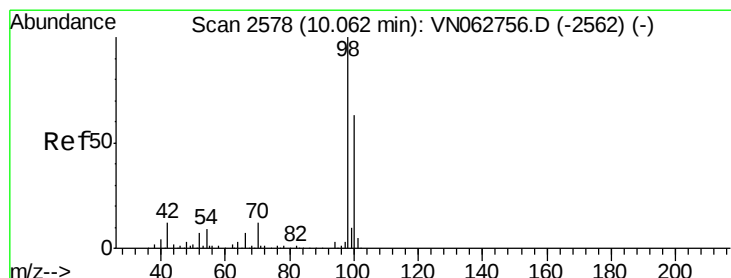
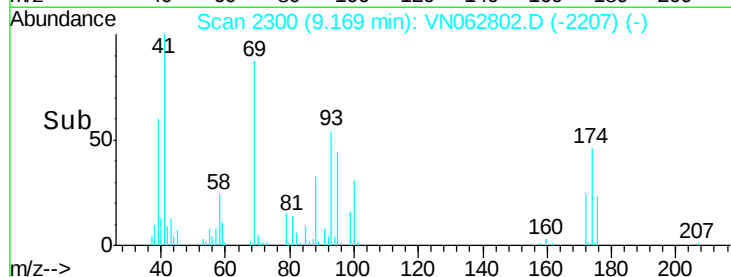
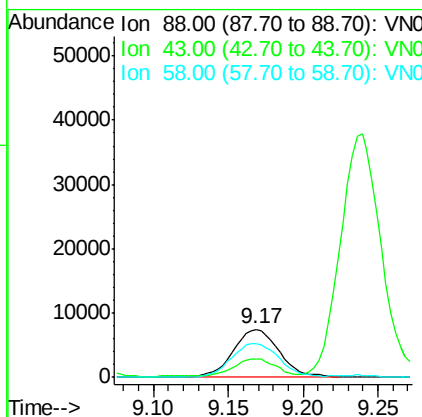
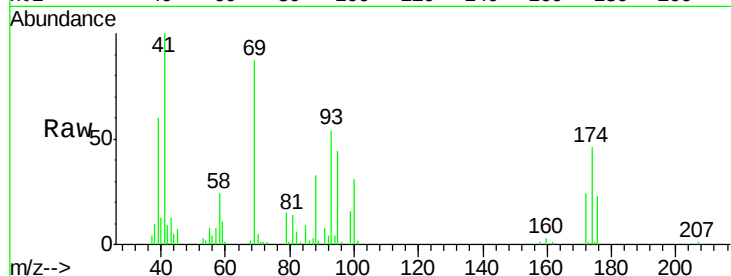
#49
1,4-Dioxane
Concen: 332.919 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.5	44.3
58	73.2	59.8	89.8

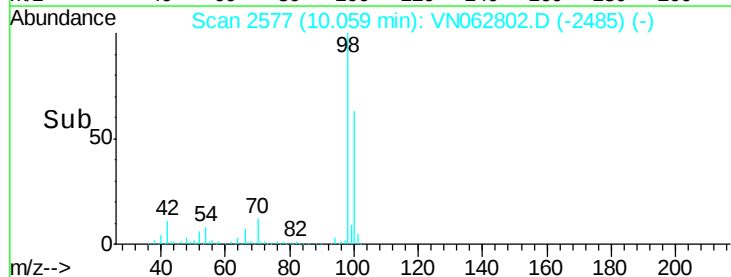
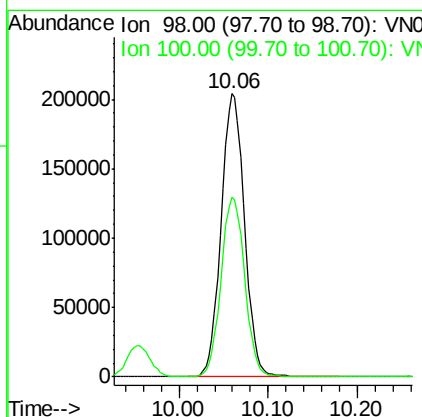
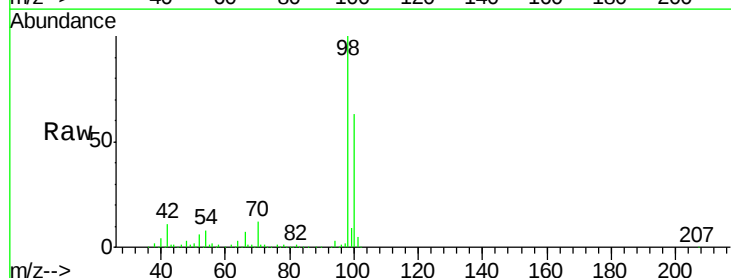
Manual Integrations
APPROVED

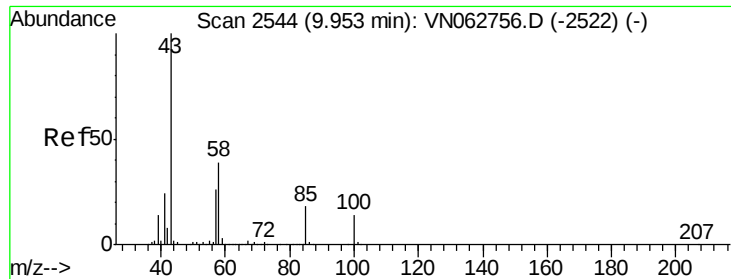
sam
8/11/2020 3:24:44 PM



#50
Toluene-d8
Concen: 45.016 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 85.568 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 43 Resp: 289390

Ion Ratio Lower Upper

43 100

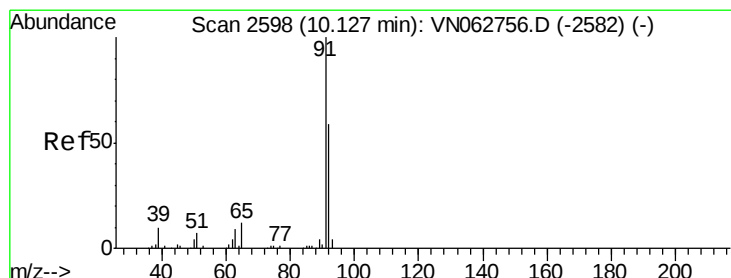
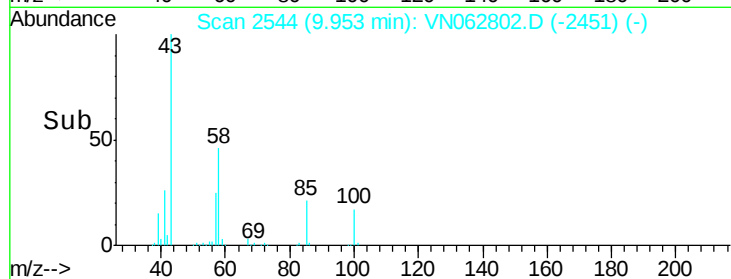
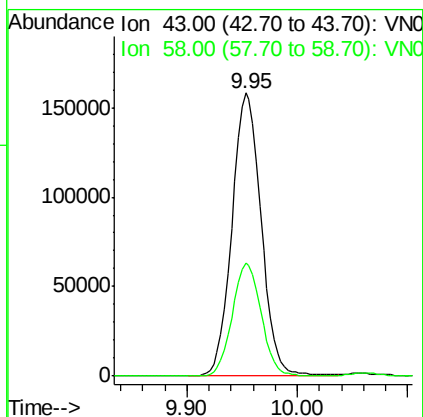
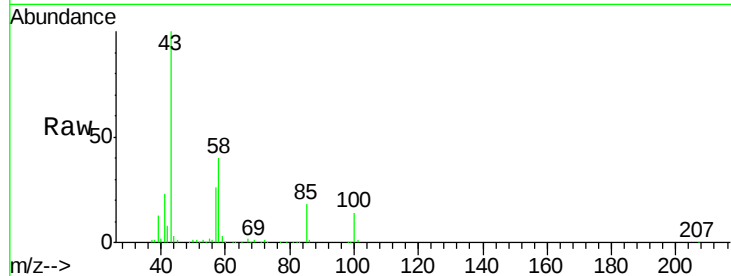
58 39.8 31.1 46.7

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#52

Toluene

Concen: 17.798 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062802.D

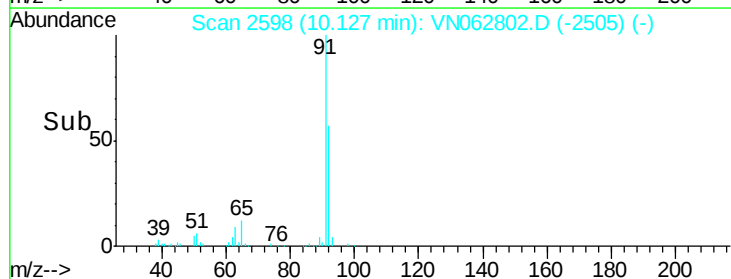
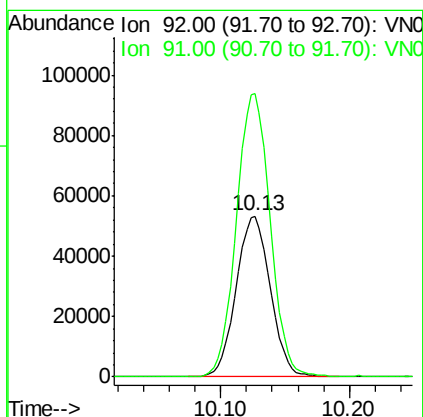
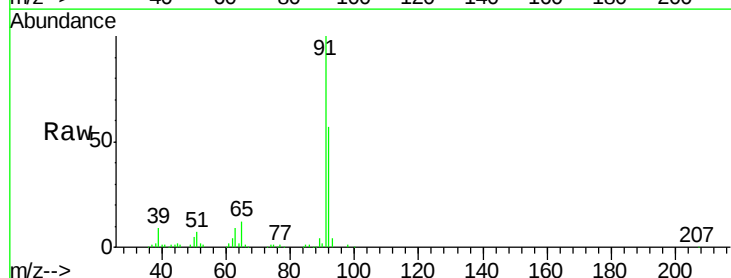
Acq: 10 Aug 2020 12:14

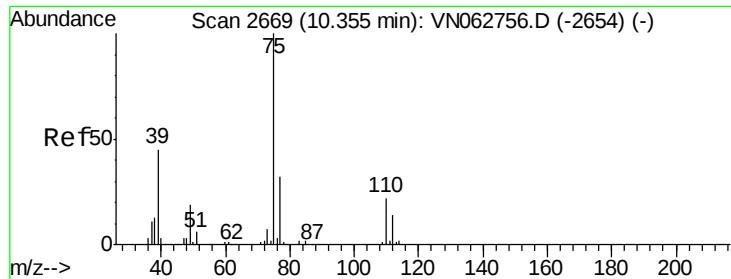
Tgt Ion: 92 Resp: 98372

Ion Ratio Lower Upper

92 100

91 174.0 138.9 208.3





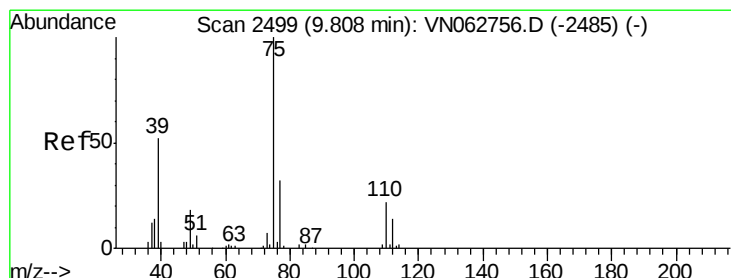
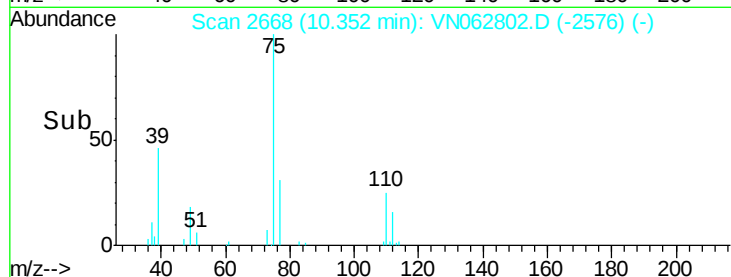
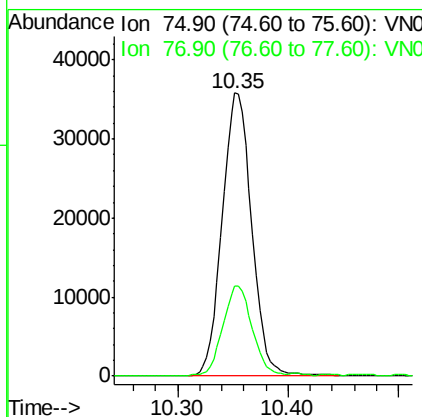
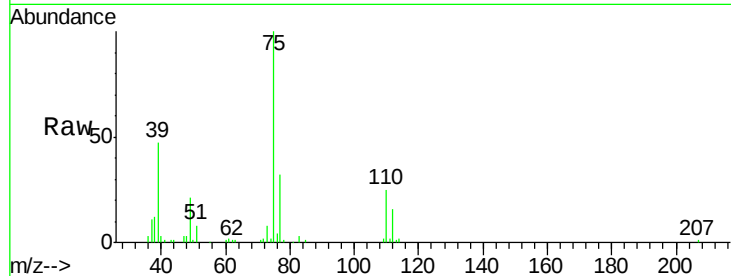
#53
t-1,3-Dichloropropene
Concen: 16.994 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion: 75 Resp: 66648
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

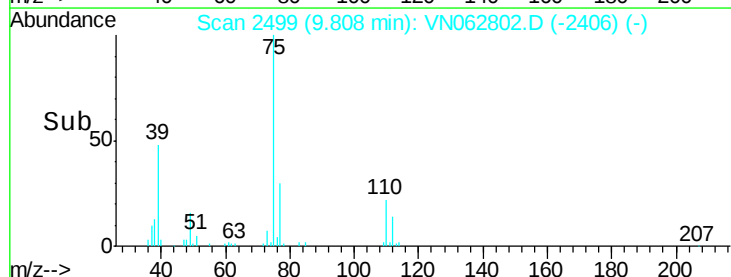
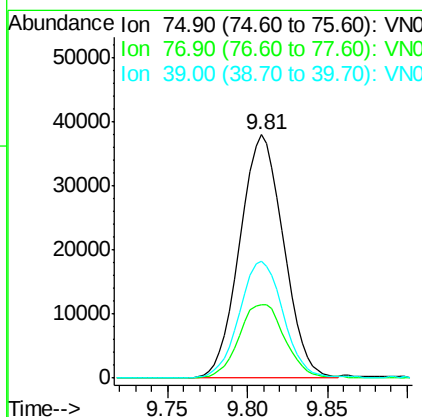
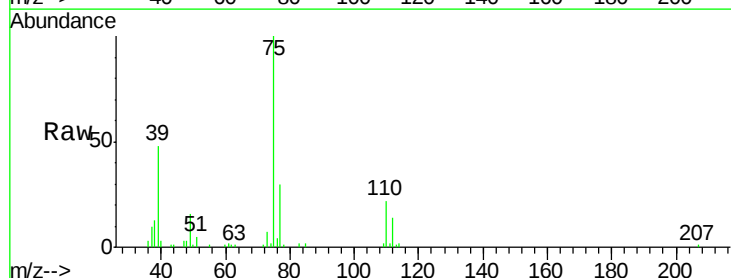
Manual Integrations
APPROVED

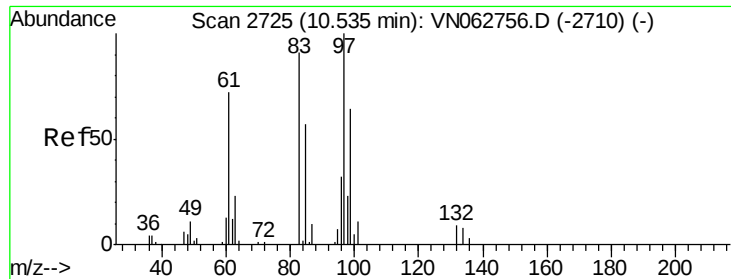
sam
8/11/2020 3:24:44 PM



#54
cis-1,3-Dichloropropene
Concen: 18.030 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion: 75 Resp: 70996
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3
39 48.1 41.9 62.9





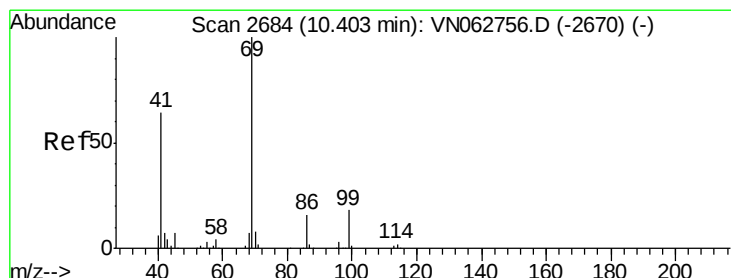
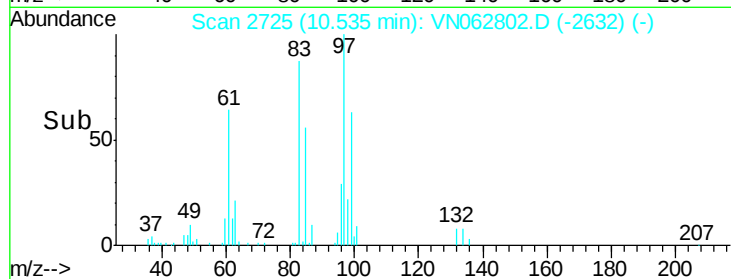
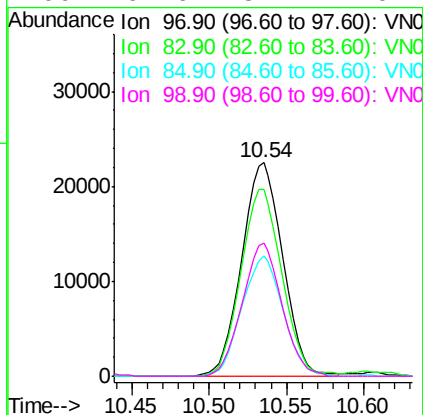
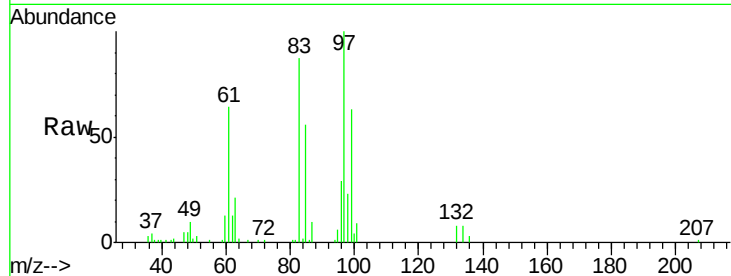
#55
 1,1,2-Trichloroethane
 Concen: 17.627 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion:	97	Resp:	41611
Ion	Ratio	Lower	Upper
97	100		
83	87.3	72.6	108.8
85	56.1	46.0	69.0
99	62.6	51.1	76.7

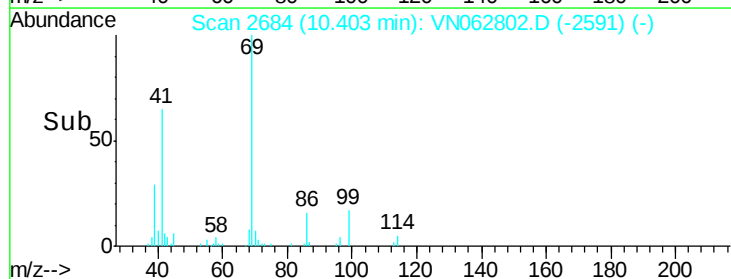
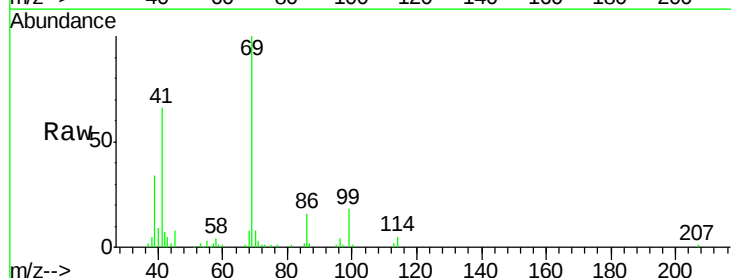
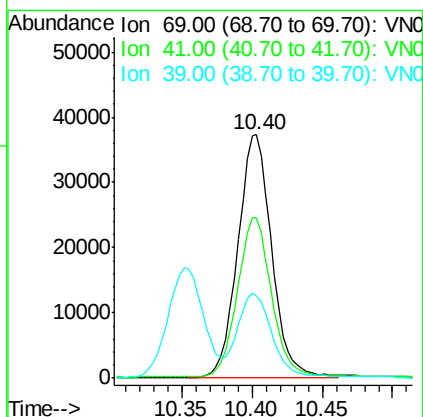
Manual Integrations
 APPROVED

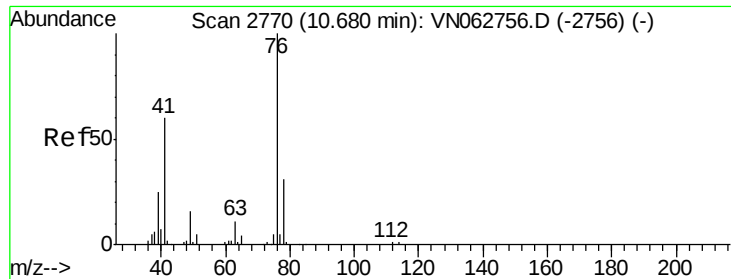
sam
 8/11/2020 3:24:44 PM



#56
 Ethyl methacrylate
 Concen: 17.791 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion:	69	Resp:	63217
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	35.6	30.9	46.3





#57

1,3-Dichloropropane

Concen: 17.366 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion: 76 Resp: 69655

Ion Ratio Lower Upper

76 100

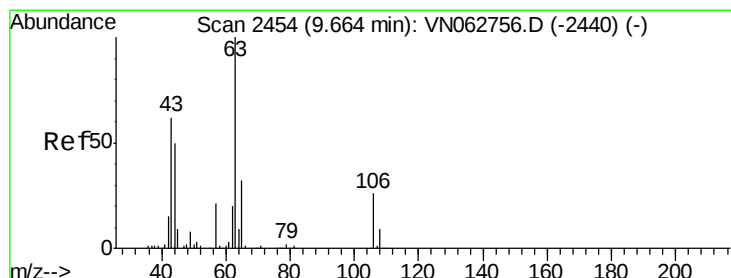
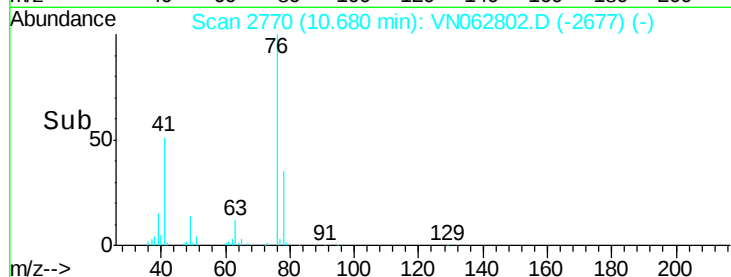
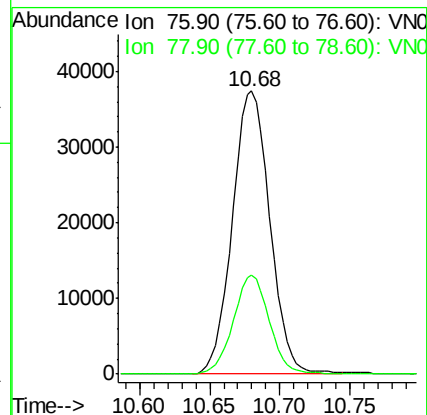
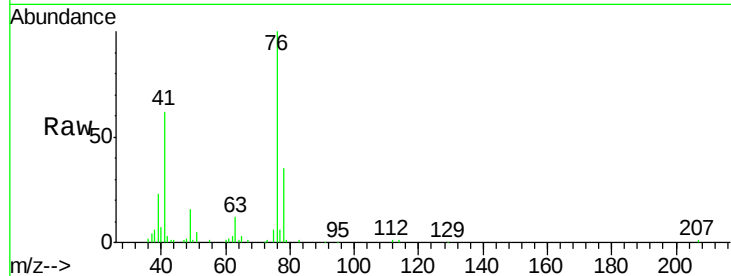
78 33.4 25.4 38.0

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.350 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062802.D

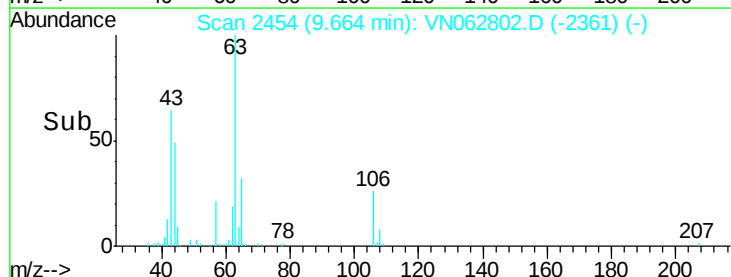
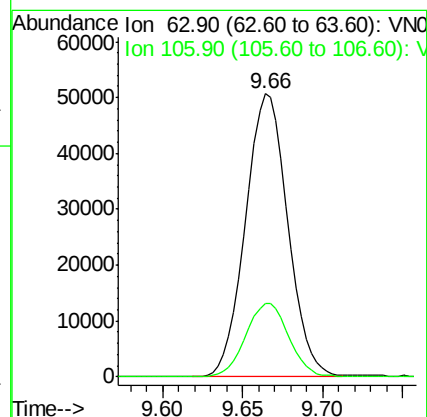
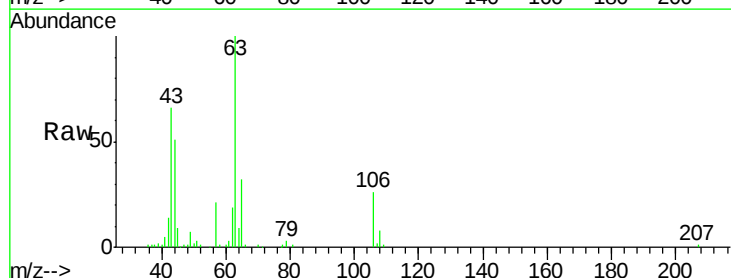
Acq: 10 Aug 2020 12:14

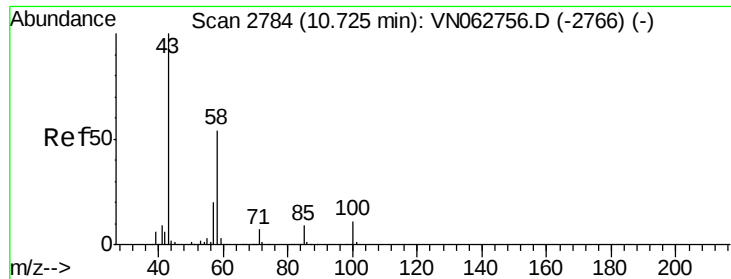
Tgt Ion: 63 Resp: 91749

Ion Ratio Lower Upper

63 100

106 26.4 20.9 31.3





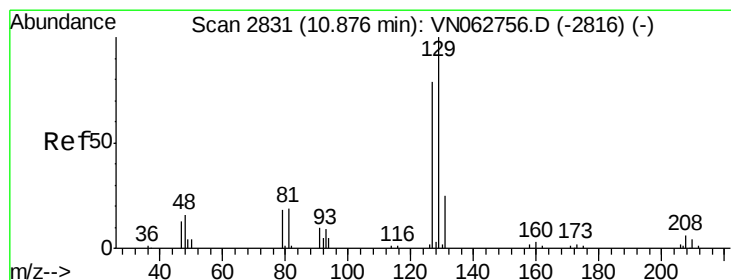
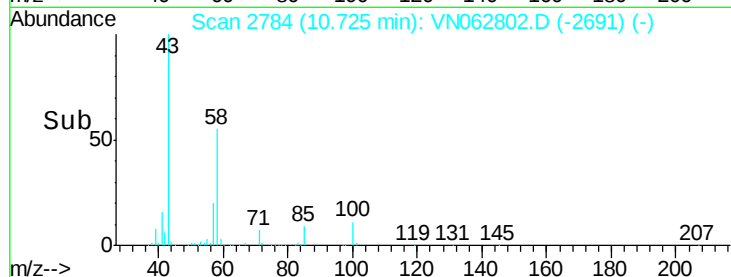
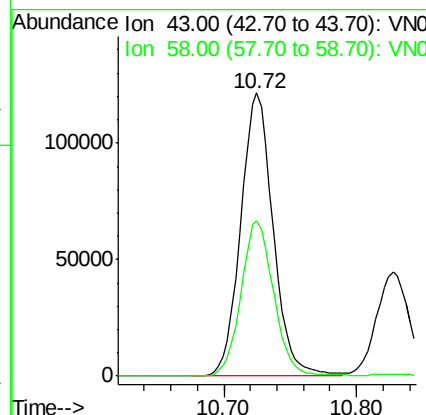
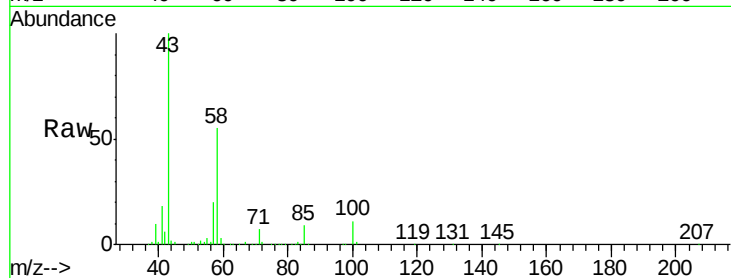
#59
2-Hexanone
Concen: 81.467 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	26.7	80.1

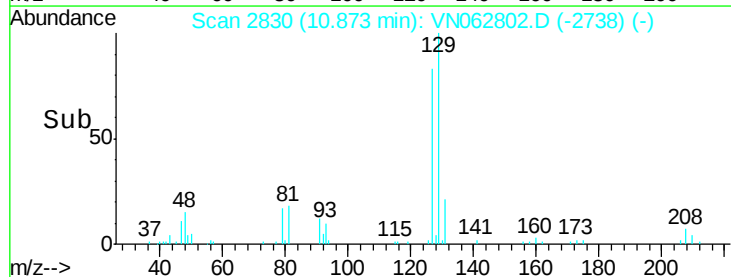
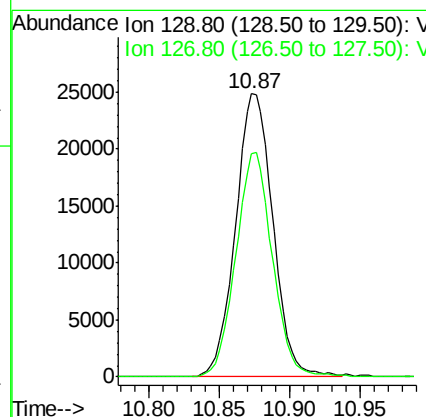
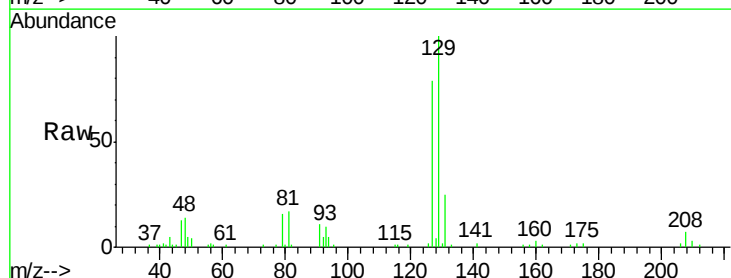
Manual Integrations
APPROVED

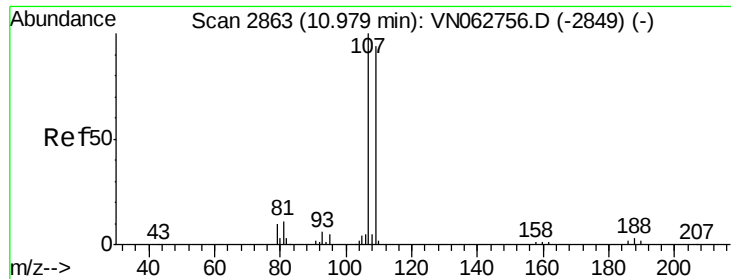
sam
8/11/2020 3:24:44 PM



#60
Dibromochloromethane
Concen: 17.161 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





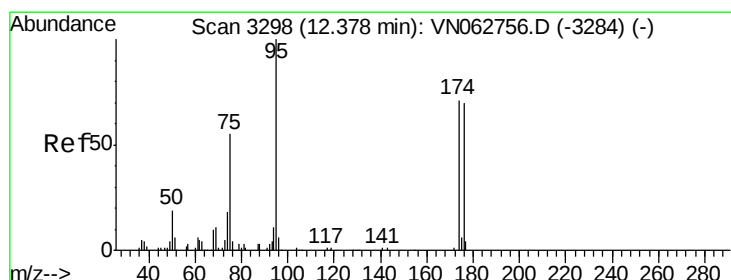
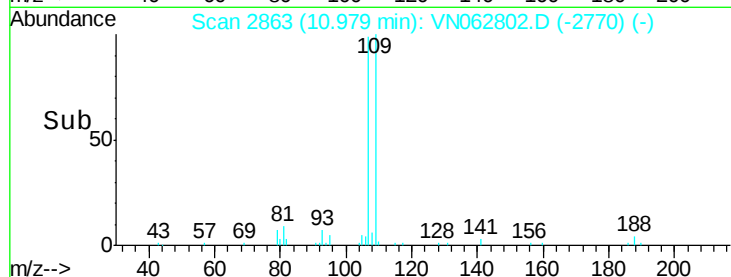
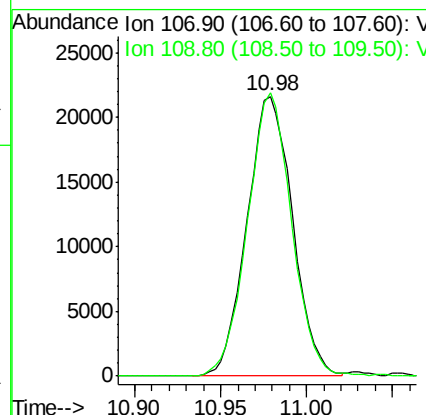
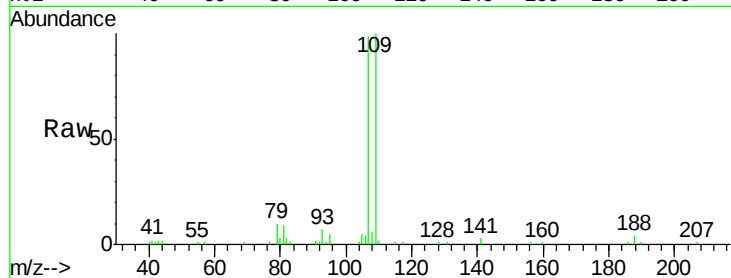
#61
 1,2-Dibromoethane
 Concen: 17.114 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.9	76.1	114.1

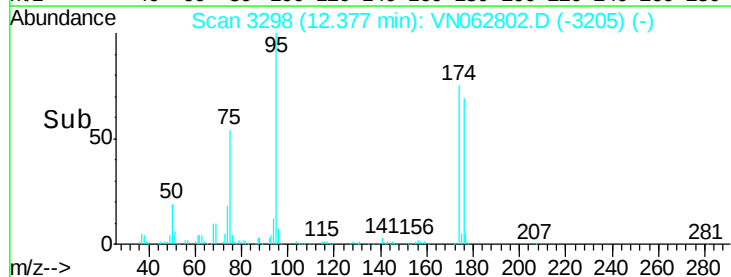
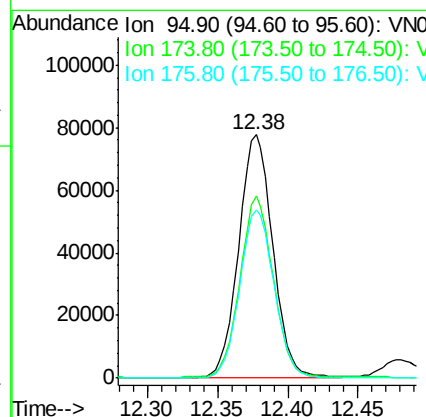
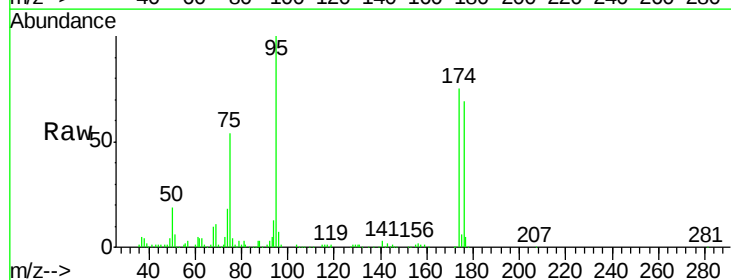
Manual Integrations
 APPROVED

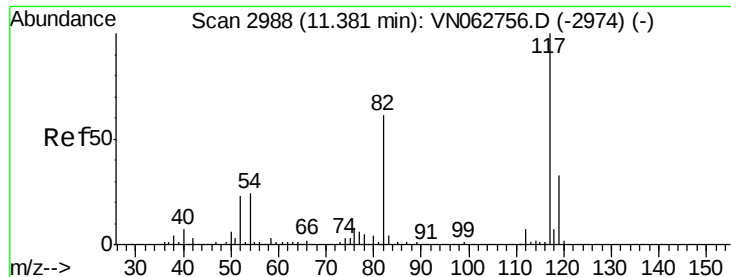
sam
 8/11/2020 3:24:44 PM



#62
 4-Bromofluorobenzene
 Concen: 42.249 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	144.8
176	70.1	0.0	142.2





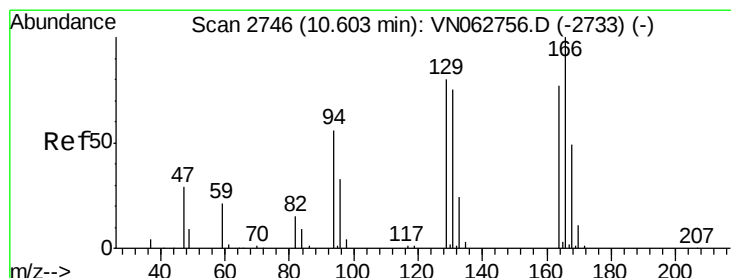
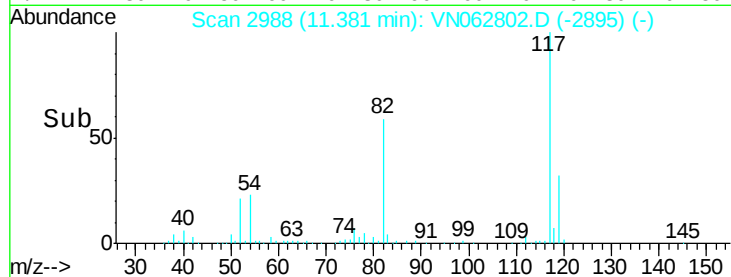
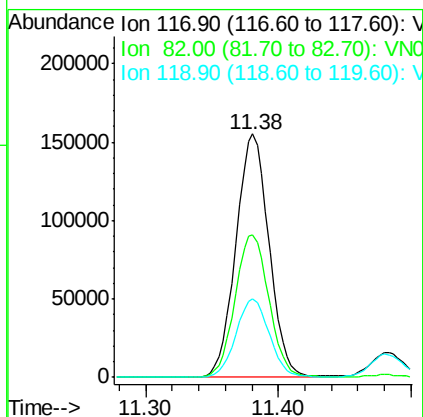
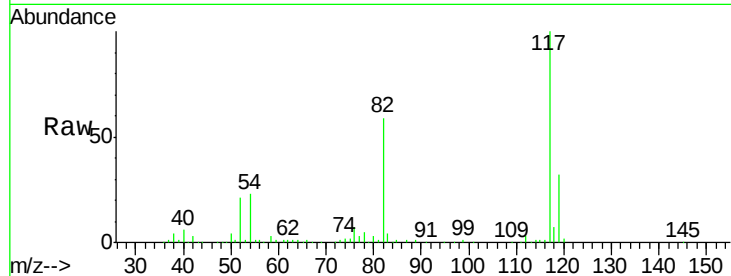
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	49.0	73.4
119	32.3	26.2	39.2

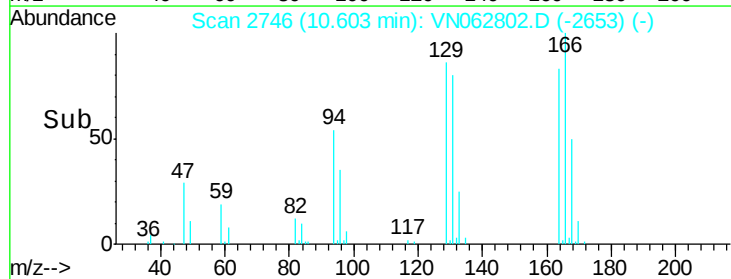
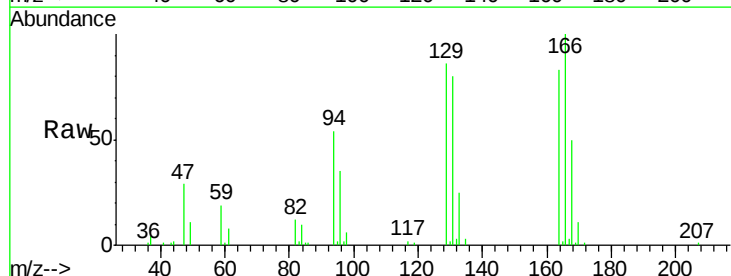
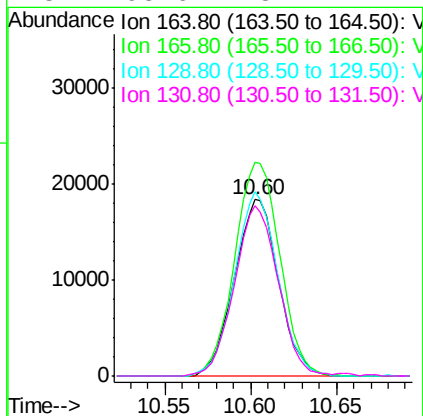
Manual Integrations
APPROVED

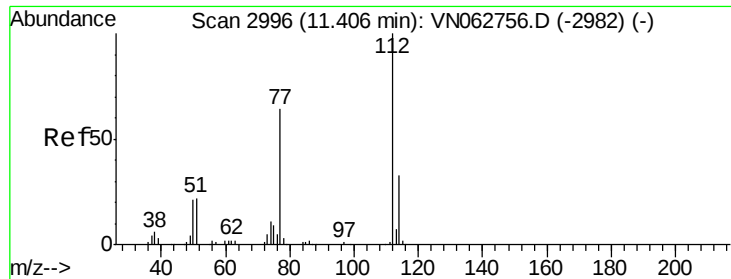
sam
8/11/2020 3:24:44 PM



#64
Tetrachloroethene
Concen: 18.821 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.8	155.8
129	104.2	82.7	124.1
131	95.6	78.2	117.2





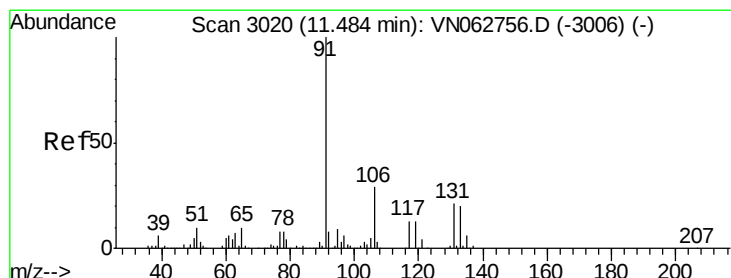
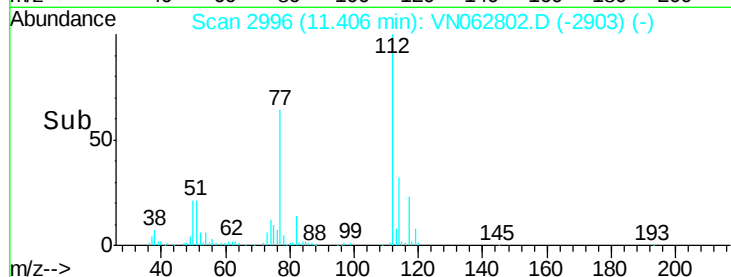
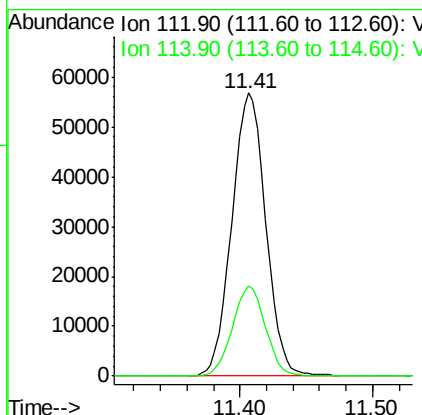
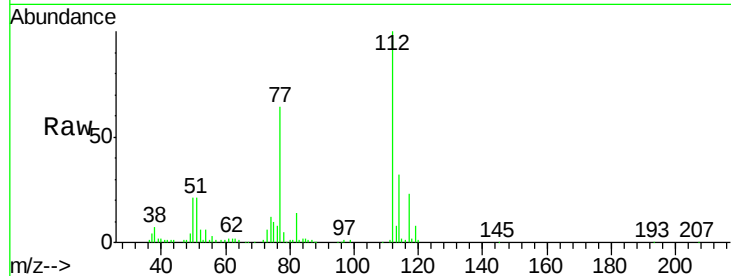
#65
Chlorobenzene
Concen: 17.852 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion:112 Resp: 100759
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

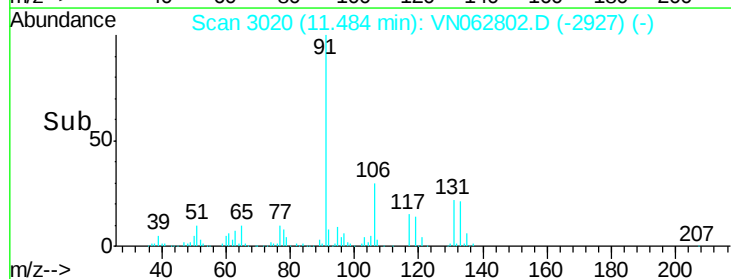
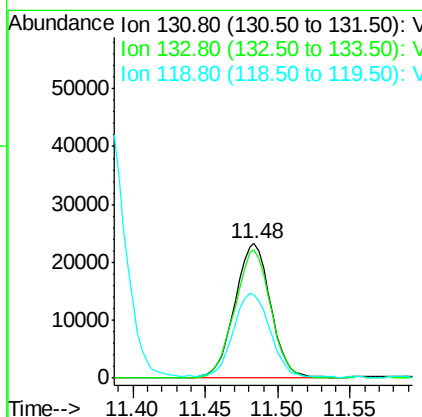
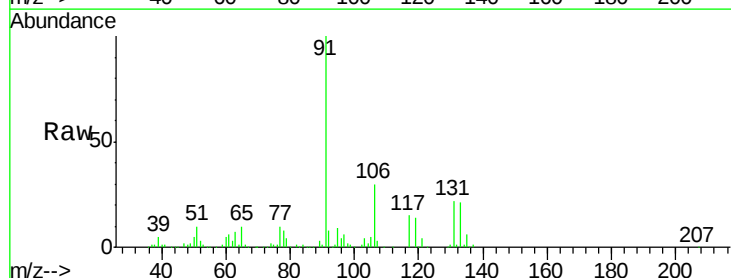
Manual Integrations
APPROVED

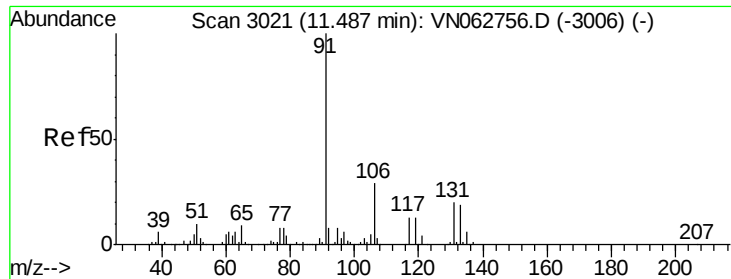
sam
8/11/2020 3:24:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.773 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion:131 Resp: 40283
Ion Ratio Lower Upper
131 100
133 94.5 48.6 145.8
119 63.2 32.2 96.6





#67

Ethyl Benzene

Concen: 18.017 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

VN0810MBS01

Tot Ion: 91 Resp: 181971

Ion Ratio Lower Upper

91 100

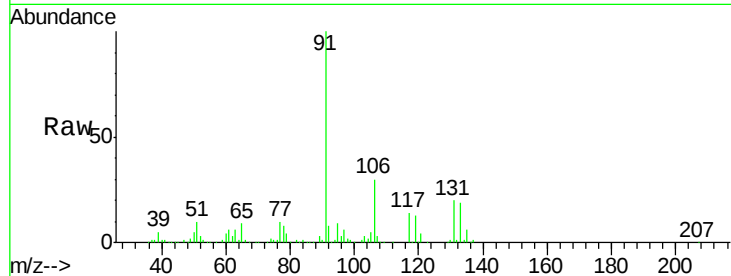
106 30.1 23.2 34.8

Manual Integrations

APPROVED

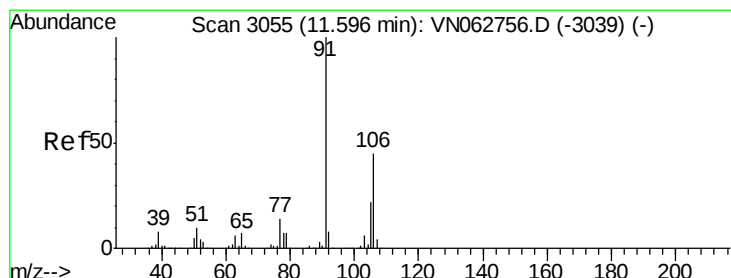
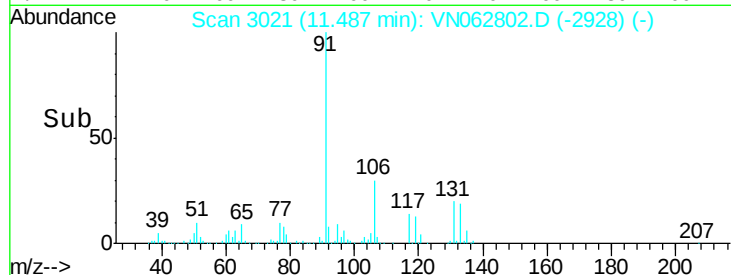
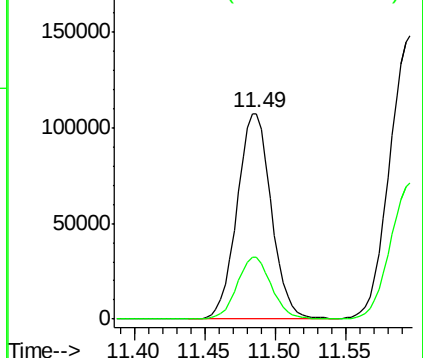
sam

8/11/2020 3:24:44 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.636 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062802.D

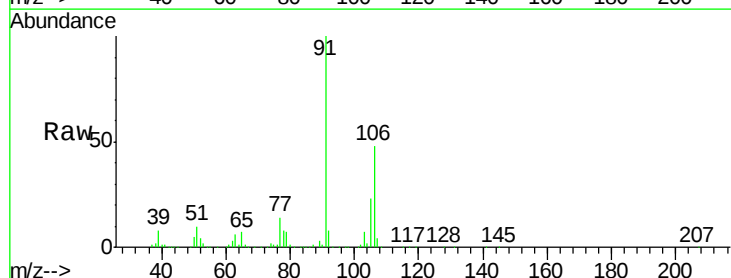
Acq: 10 Aug 2020 12:14

Tgt Ion: 106 Resp: 137986

Ion Ratio Lower Upper

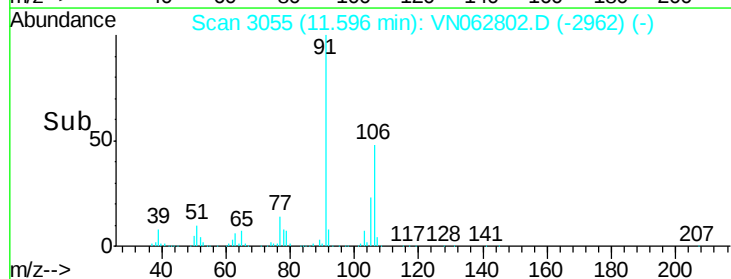
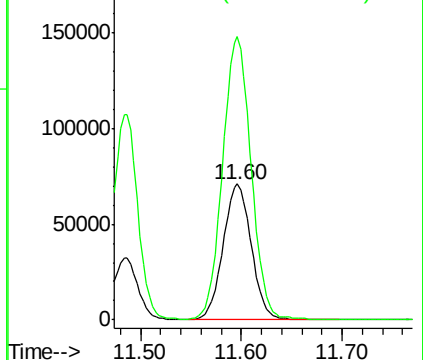
106 100

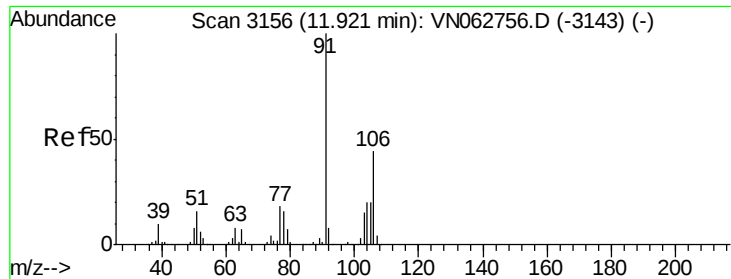
91 209.9 175.9 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





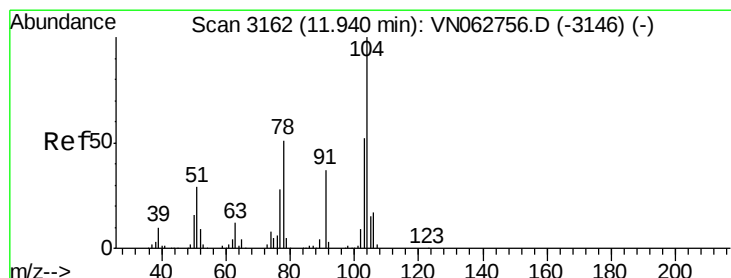
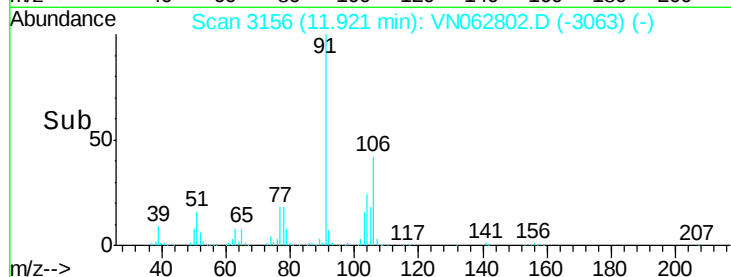
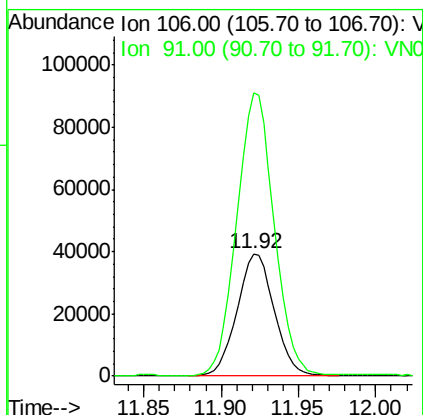
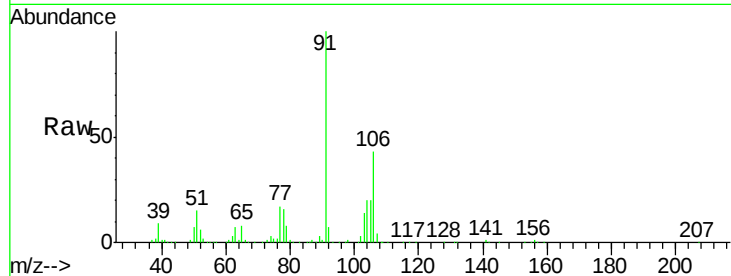
#69
o-Xylene
Concen: 19.125 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
VN0810MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	232.0	115.8	347.4	

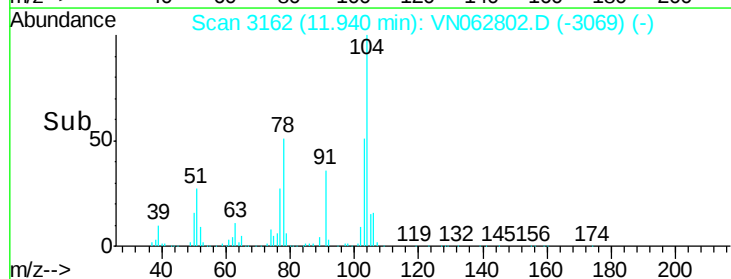
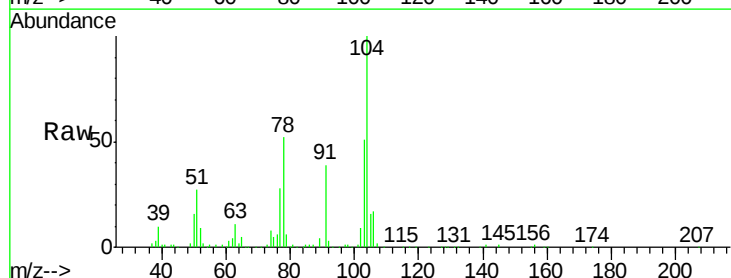
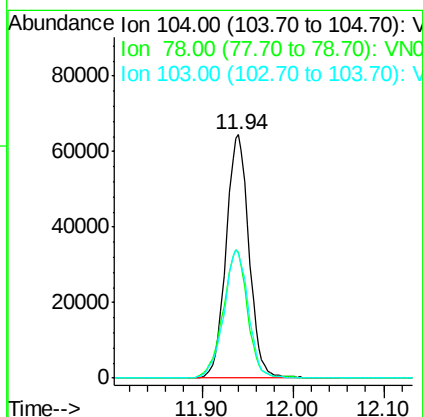
Manual Integrations
APPROVED

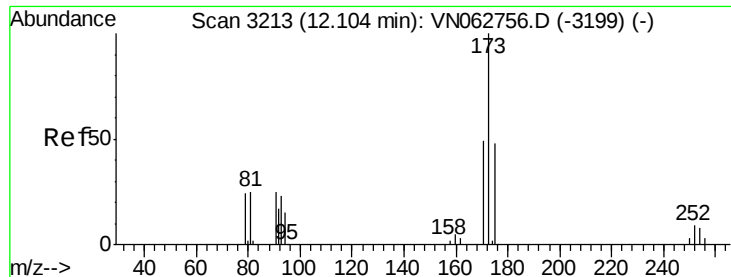
sam
8/11/2020 3:24:44 PM



#70
Styrene
Concen: 18.746 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	55.7	45.9	68.9	
103	55.8	45.1	67.7	





#71

Bromoform

Concen: 16.393 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

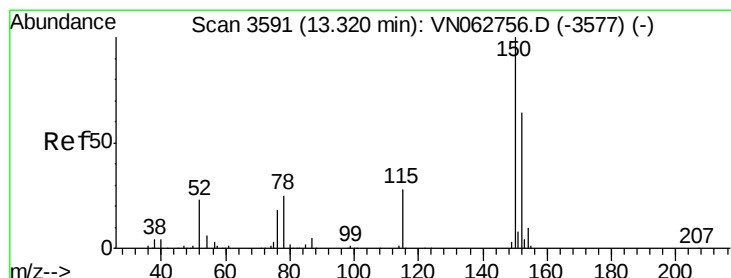
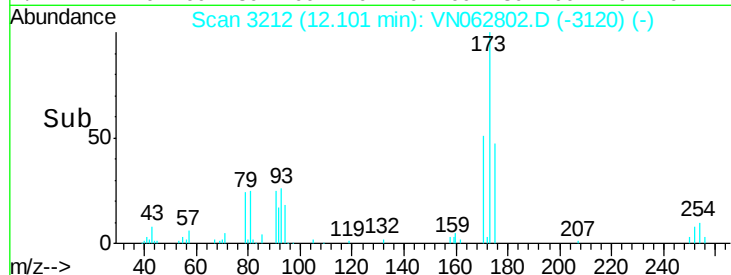
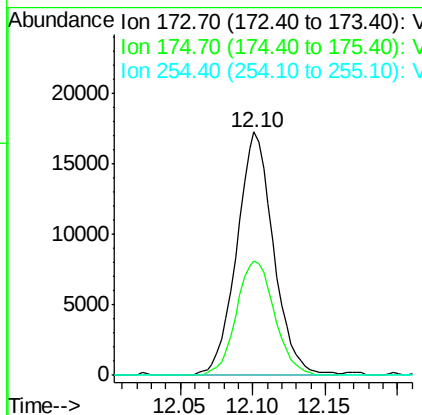
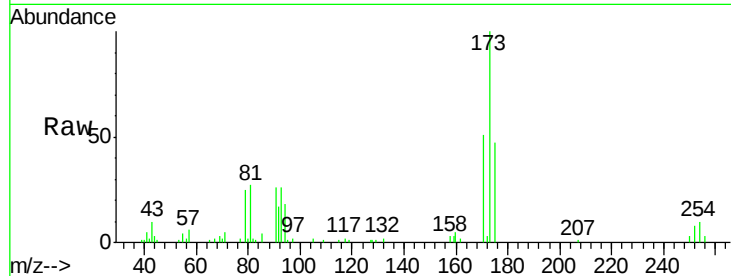
ClientSampleId :

VN0810MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

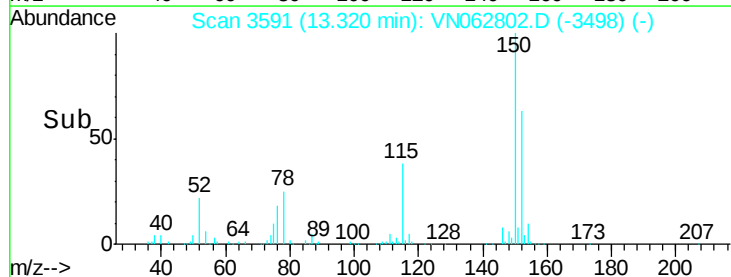
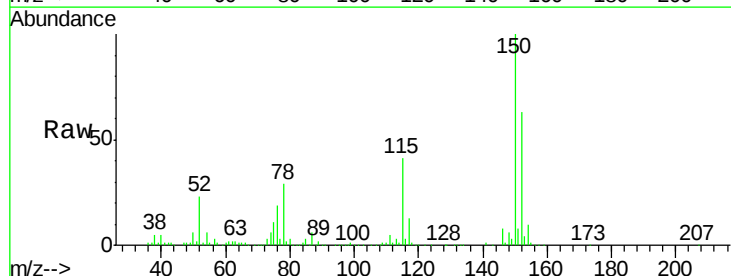
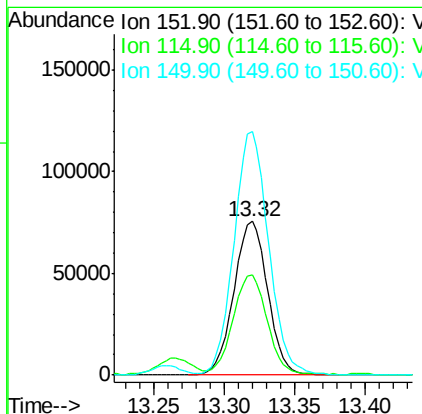
RT: 13.32 min Scan# 3591

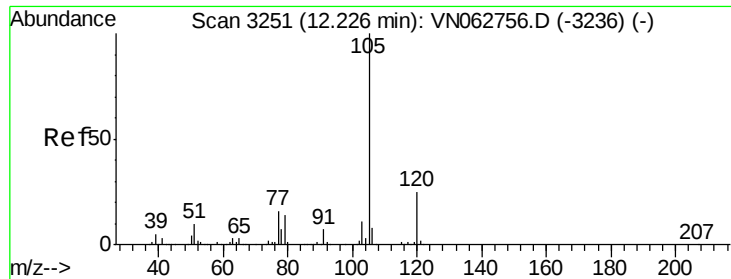
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.6	94.8
150	163.6	0.0	349.2





#73

Isopropylbenzene

Concen: 19.366 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion:105 Resp: 183806

Ion Ratio Lower Upper

105 100

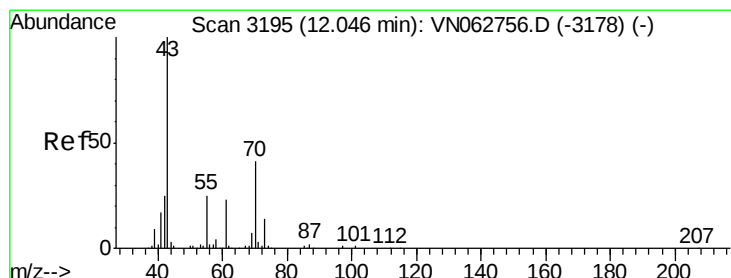
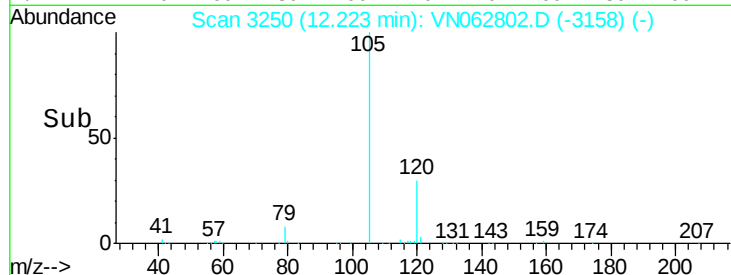
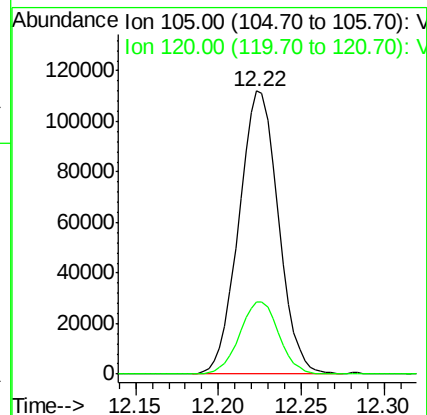
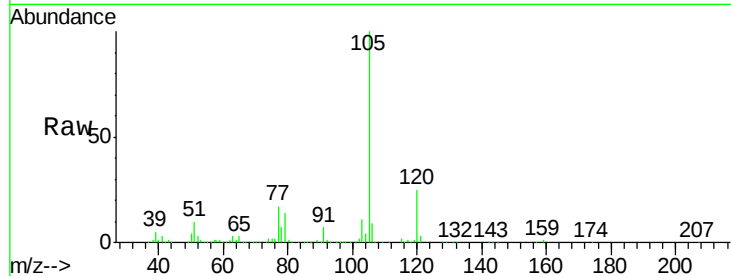
120 25.9 12.6 37.8

Manual Integrations

APPROVED

Sam

8/11/2020 3:24:44 PM



#74

N-ethyl acetate

Concen: 18.958 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion: 43 Resp: 72917

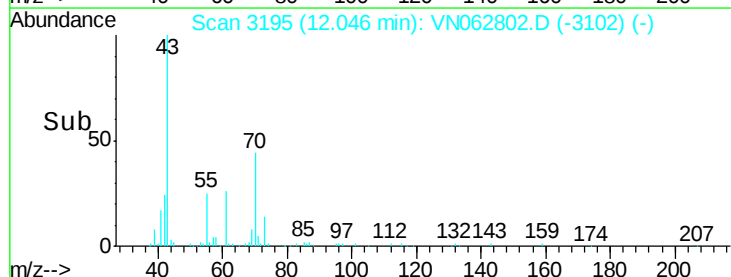
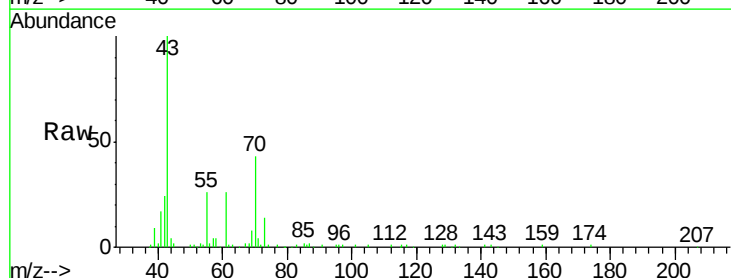
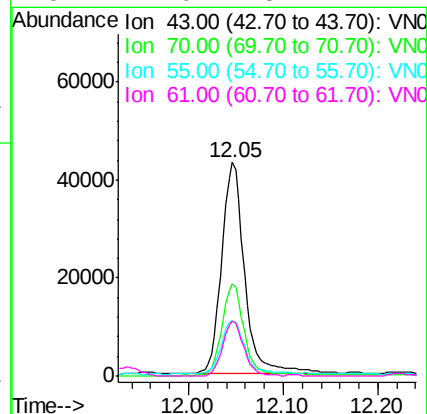
Ion Ratio Lower Upper

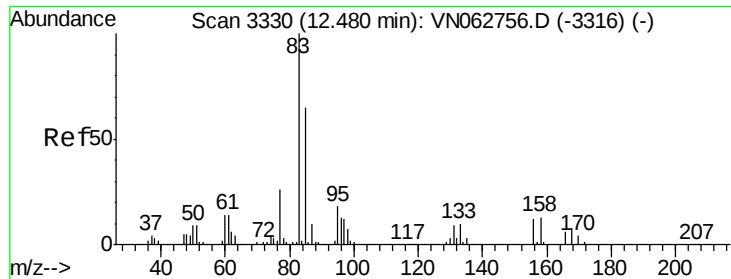
43 100

70 42.0 32.3 48.5

55 25.3 20.2 30.2

61 24.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.359 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

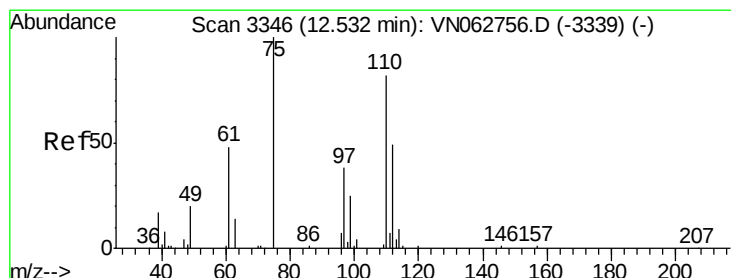
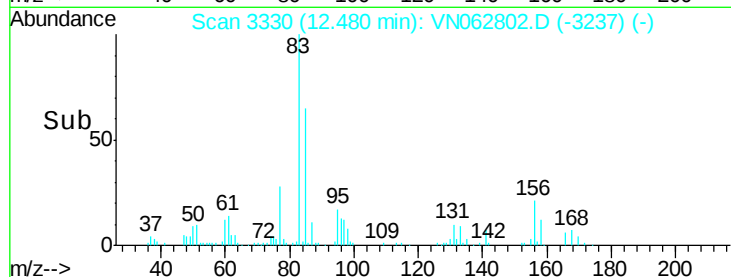
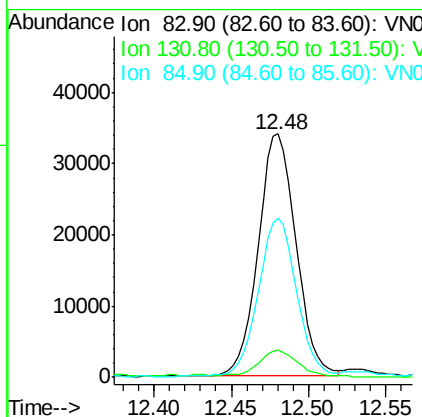
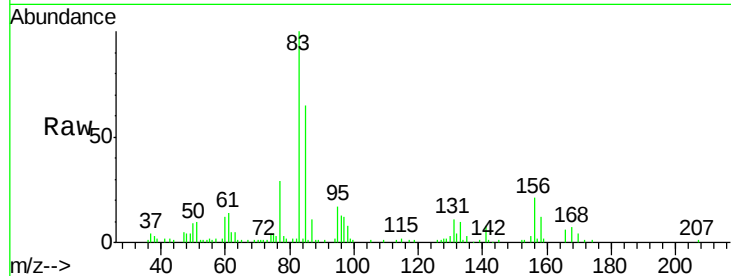
ClientSampleId :

VN0810MBS01

Tot Ion:	83	Resp:	57998
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.1	15.4
85	65.3	31.9	95.9

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#76

1,2,3-Trichloropropane

Concen: 17.174 ug/l m

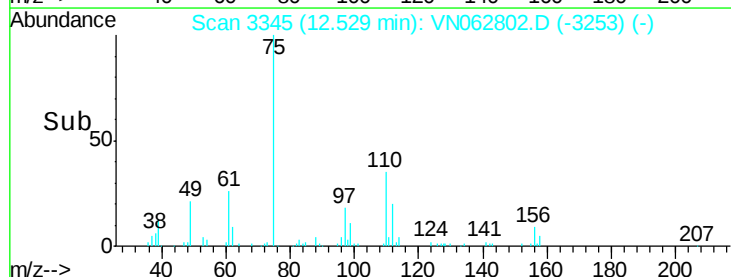
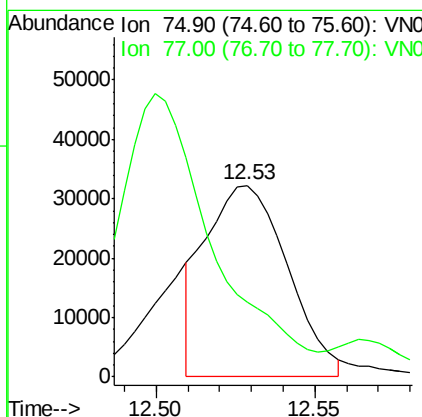
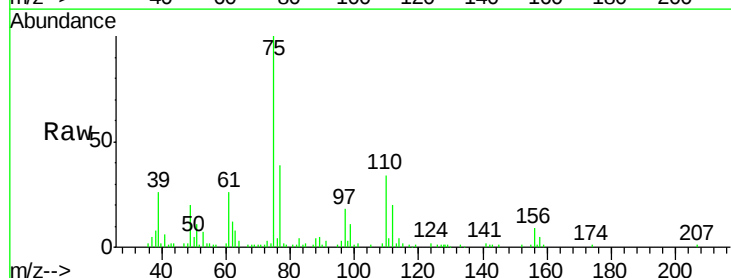
RT: 12.53 min Scan# 3345

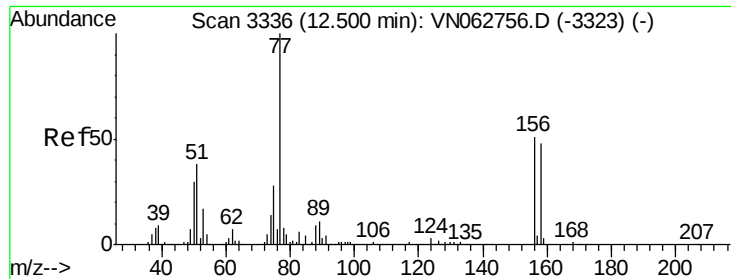
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	75	Resp:	58377
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.591 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

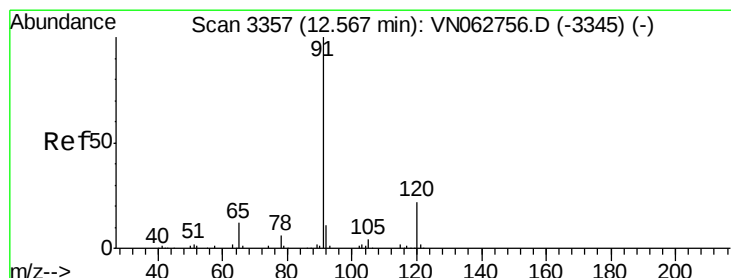
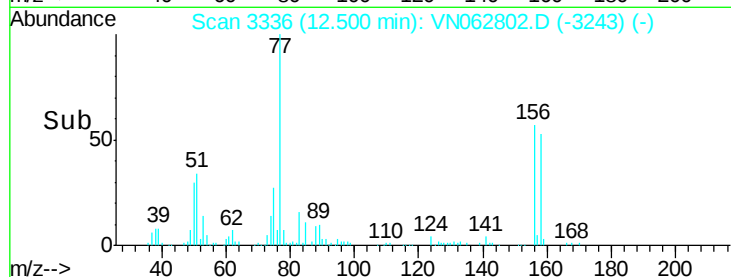
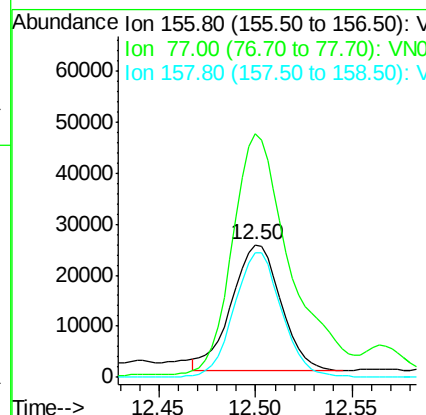
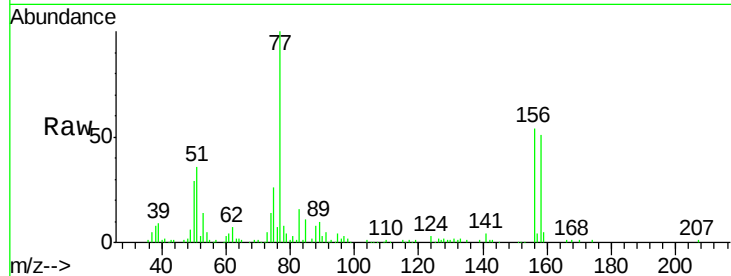
ClientSampled :

VN0810MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.6	119.7	359.1
158	95.7	48.1	144.3

Manual Integrations
APPROVED

Sam
8/11/2020 3:24:44 PM



#78

n-propylbenzene

Concen: 19.165 ug/l

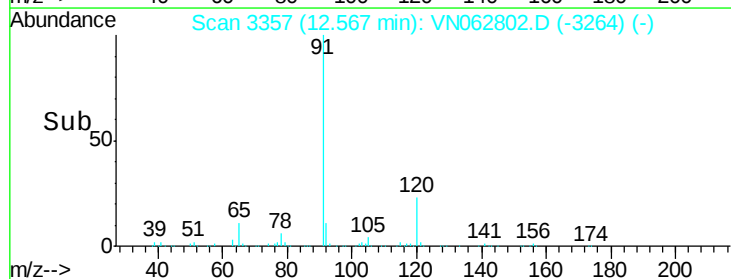
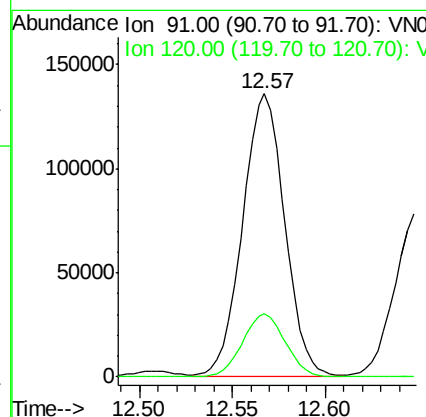
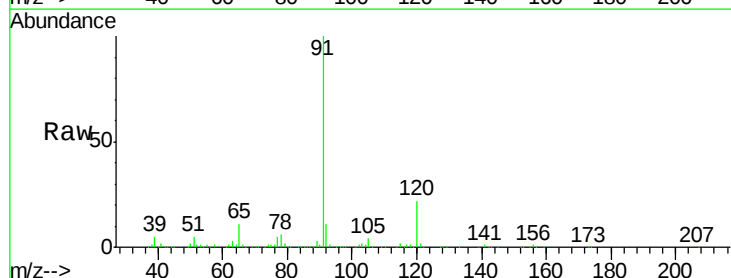
RT: 12.57 min Scan# 3357

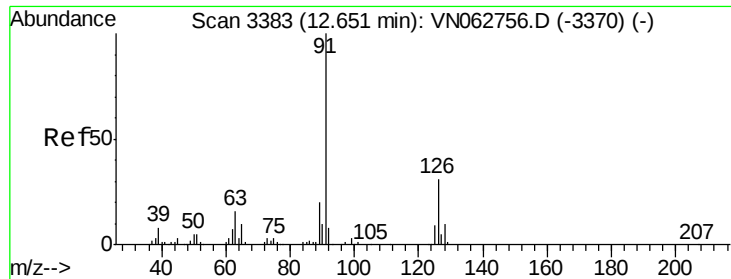
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 18.779 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampled :

VN0810MBS01

Tot Ion: 91 Resp: 131198

Ion Ratio Lower Upper

91 100

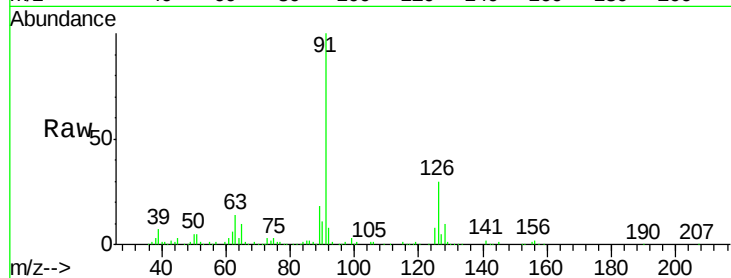
126 32.1 15.6 46.7

Manual Integrations

APPROVED

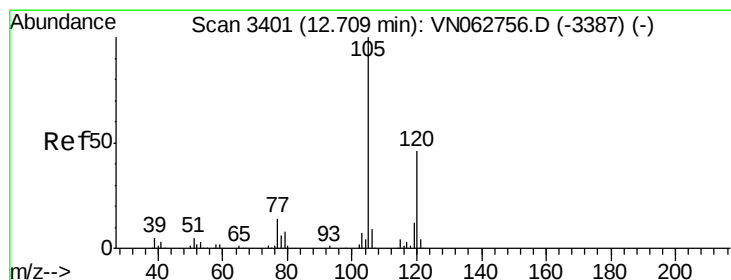
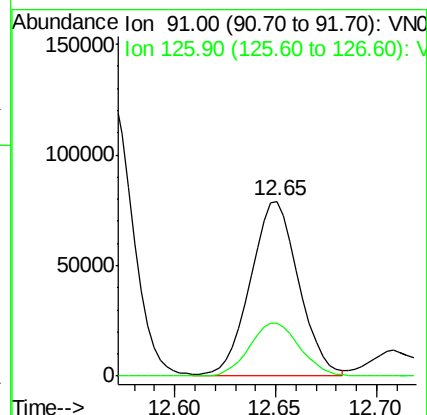
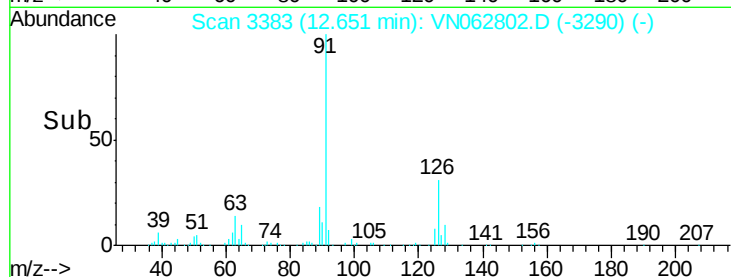
sam

8/11/2020 3:24:44 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062802.D (-3290) (-)

Ion 125.90 (125.60 to 126.60): VN062802.D (-3290) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.237 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062802.D

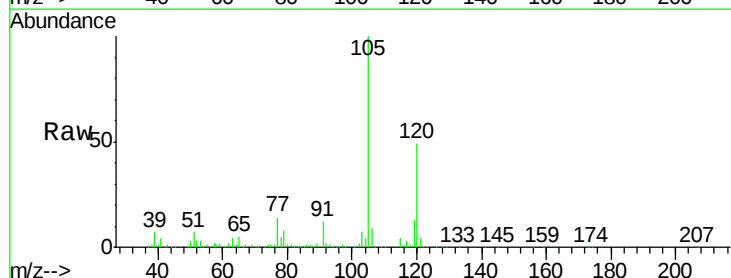
Acq: 10 Aug 2020 12:14

Tgt Ion: 105 Resp: 158398

Ion Ratio Lower Upper

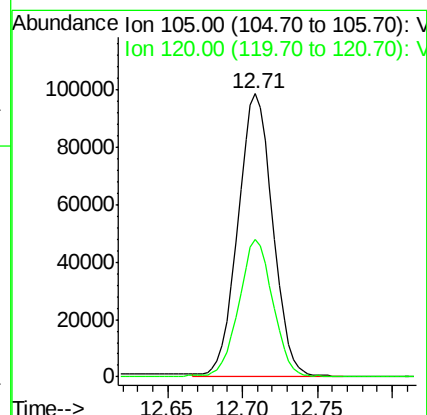
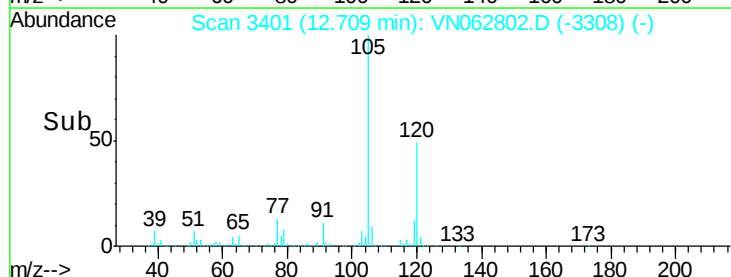
105 100

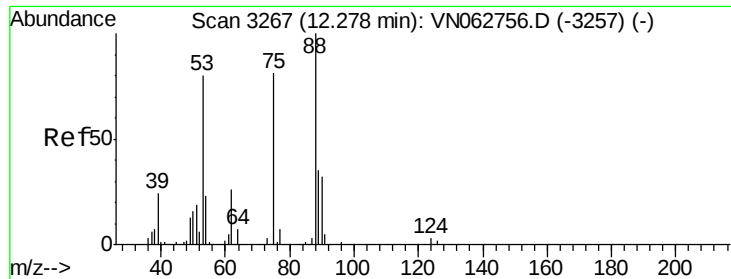
120 48.1 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062802.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062802.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.681 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

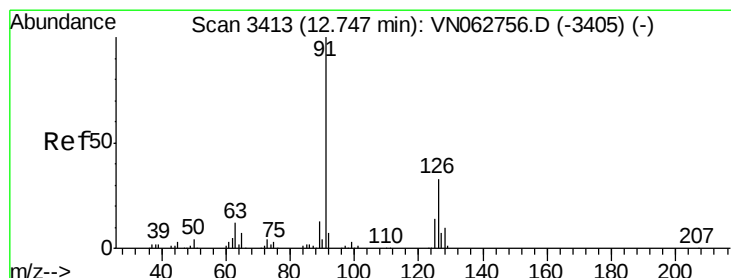
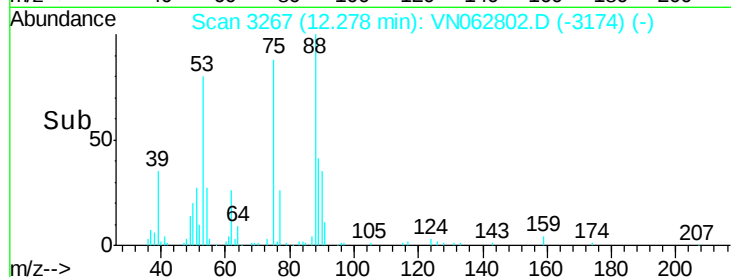
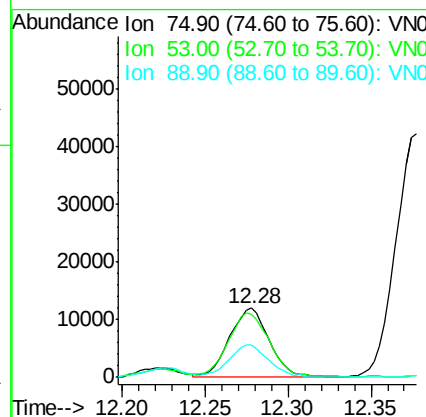
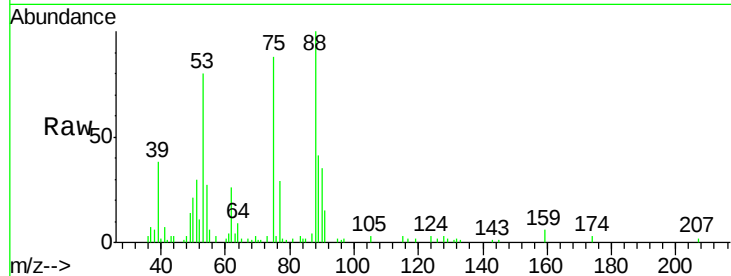
ClientSampleId :

VN0810MBS01

Tot Ion:	75	Resp:	19688
Ion	Ratio	Lower	Upper
75	100		
53	97.3	79.1	118.7
89	47.4	36.2	54.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#82

4-Chlorotoluene

Concen: 19.079 ug/l

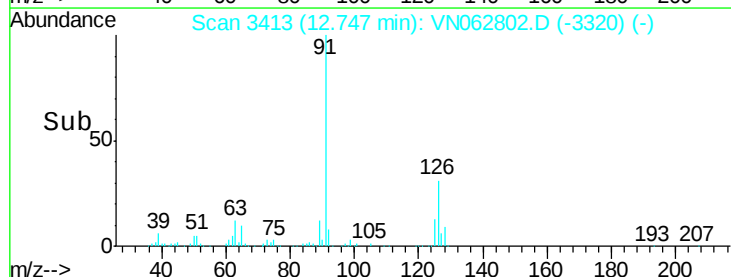
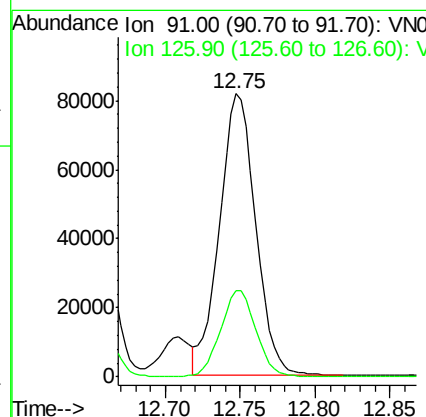
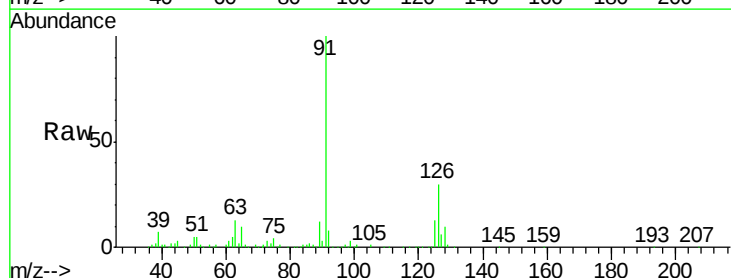
RT: 12.75 min Scan# 3413

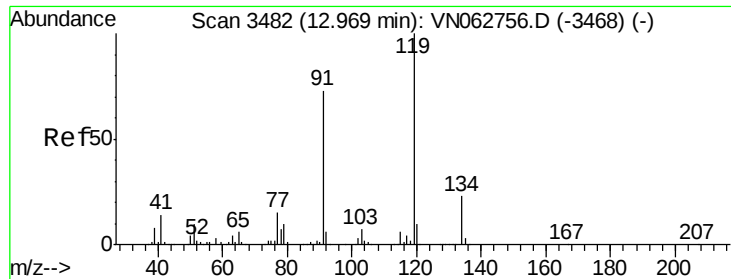
Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	91	Resp:	137365
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.3	45.9





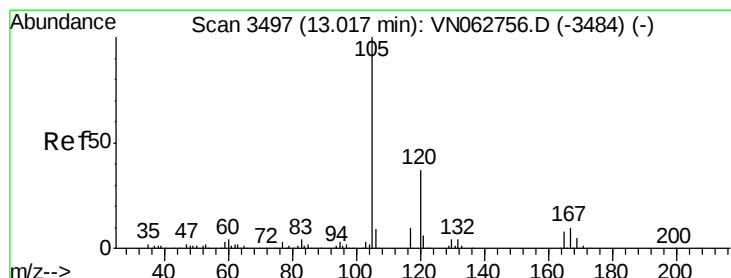
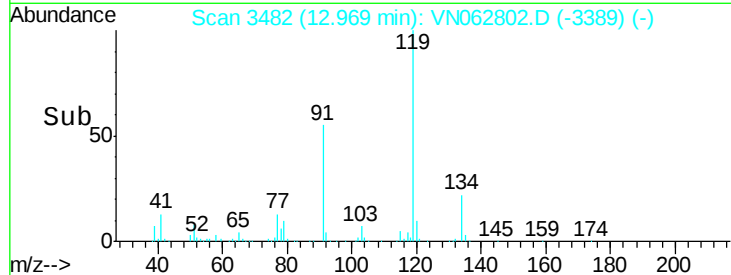
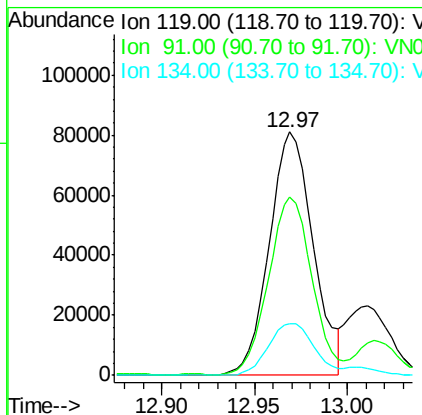
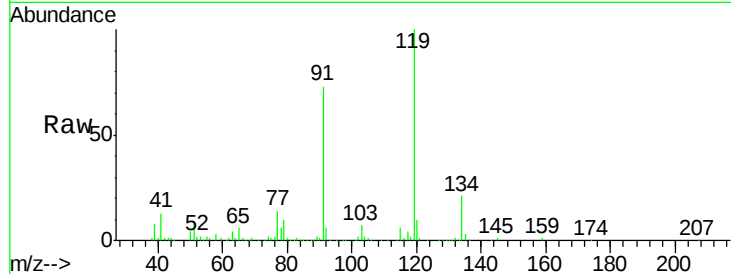
#83
 tert-Butylbenzene
 Concen: 19.255 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810MBS01

Tot Ion:	119	Resp:	134158
Ion Ratio	Lower	Upper	
119	100		
91	71.9	36.5	109.5
134	22.3	11.3	33.8

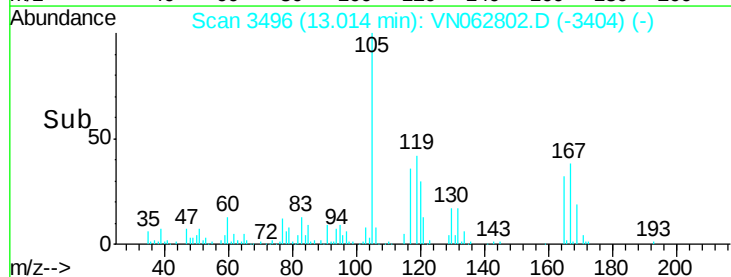
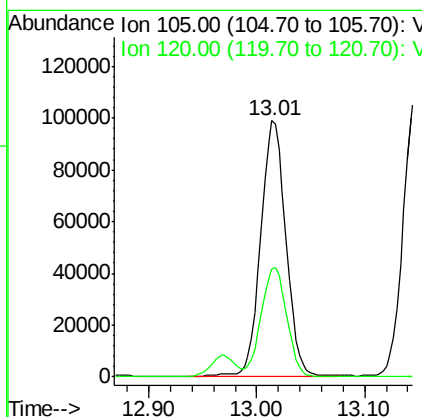
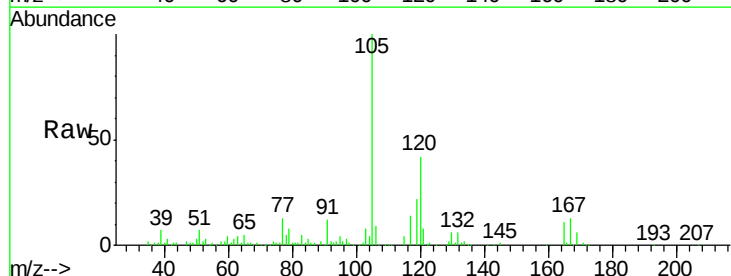
Manual Integrations
 APPROVED

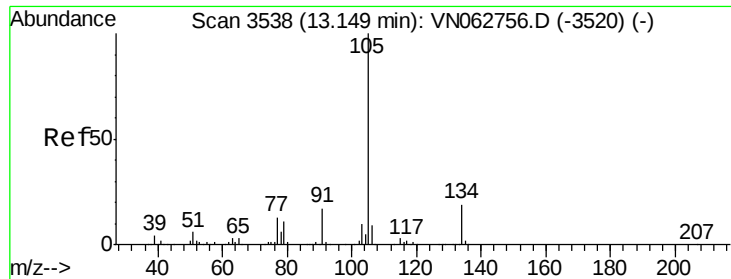
sam
 8/11/2020 3:24:44 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.309 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion:	105	Resp:	159977
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.4	64.2





#85

sec-Butylbenzene

Concen: 19.221 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0810MBS01

Tot Ion:105 Resp: 175861

Ion Ratio Lower Upper

105 100

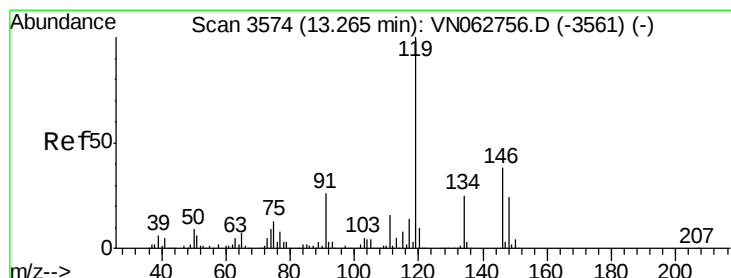
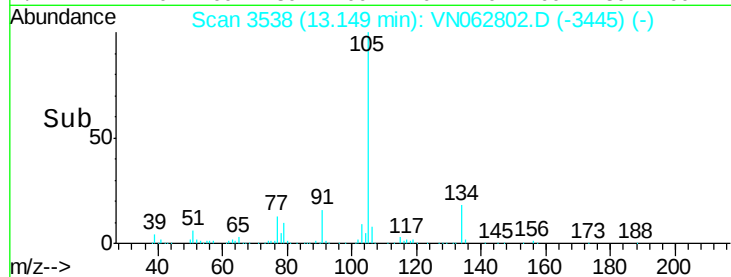
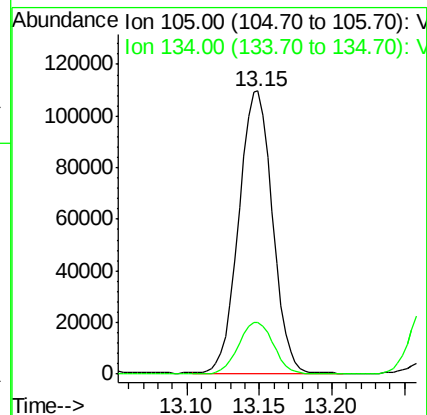
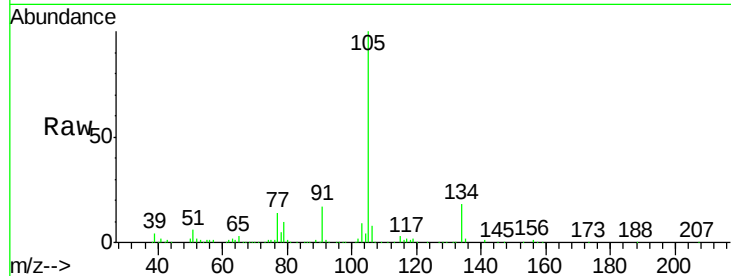
134 19.3 9.6 28.6

Manual Integrations

APPROVED

sam

8/11/2020 3:24:44 PM



#86

p-Isopropyltoluene

Concen: 19.591 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

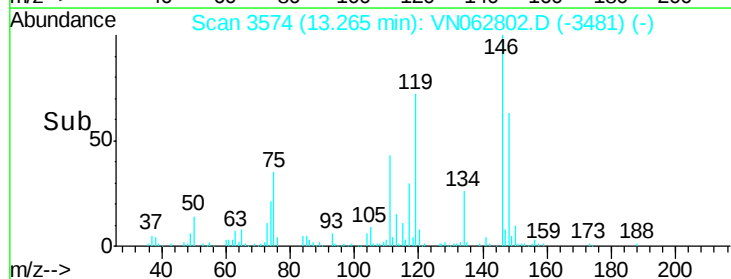
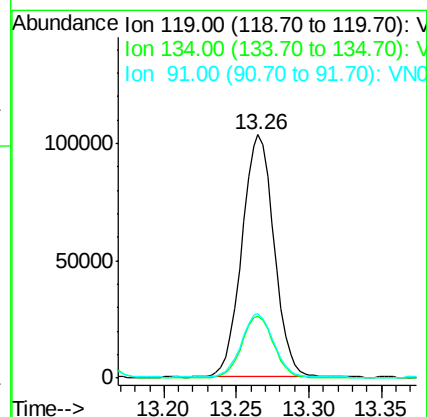
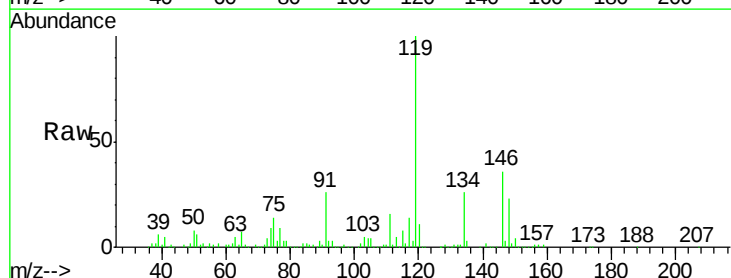
Tgt Ion:119 Resp: 159107

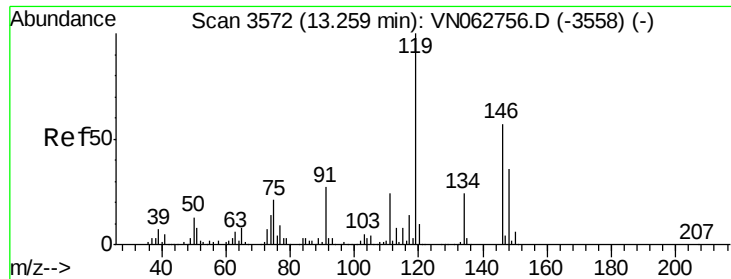
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 26.1 13.4 40.2





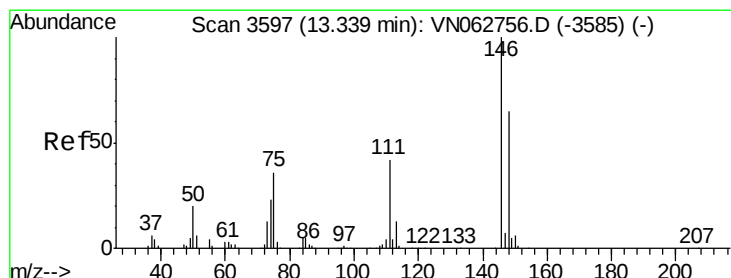
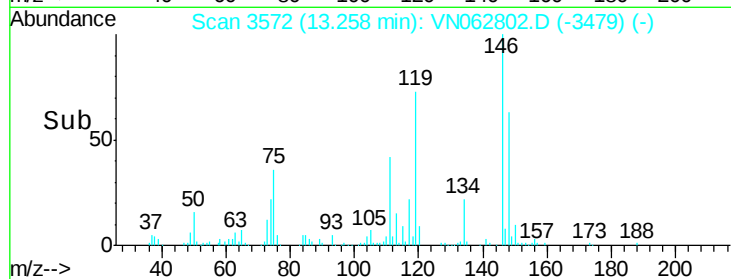
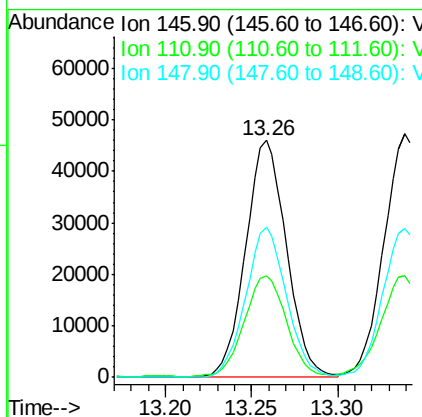
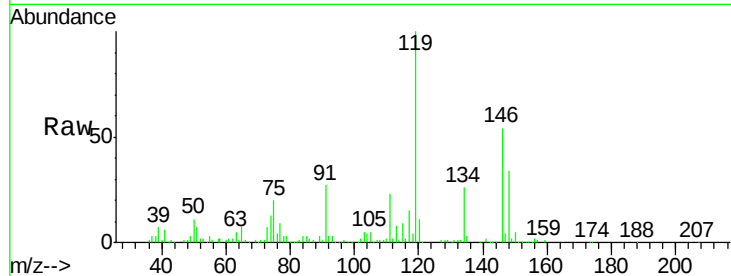
#87
 1,3-Dichlorobenzene
 Concen: 18.011 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	63.0	31.4	94.2

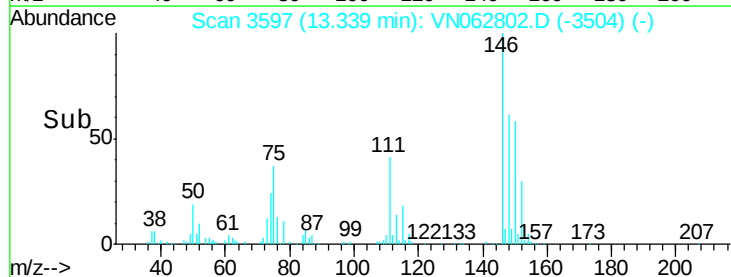
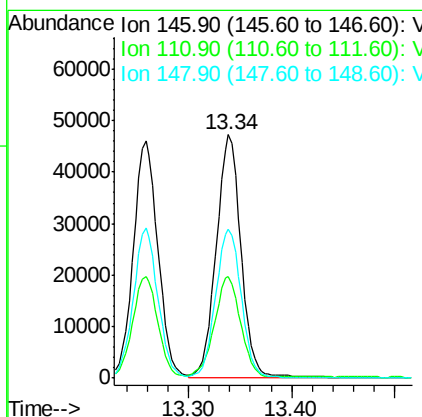
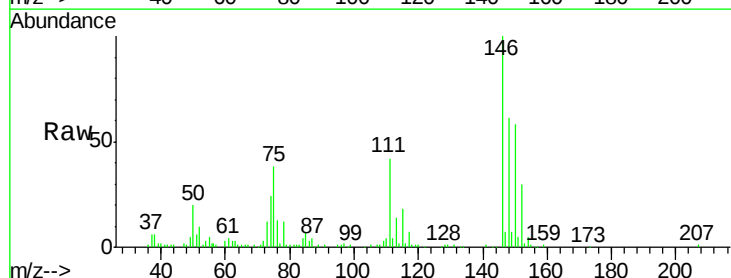
Manual Integrations
 APPROVED

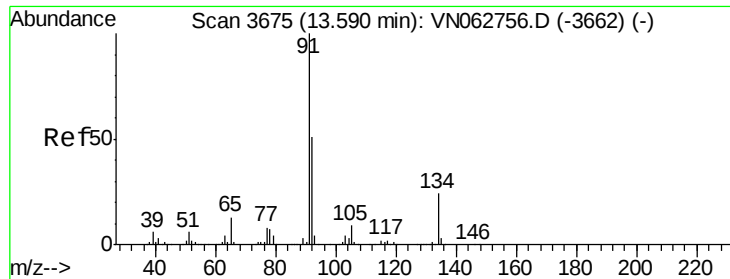
Sam
 8/11/2020 3:24:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.709 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.2	32.6	97.8





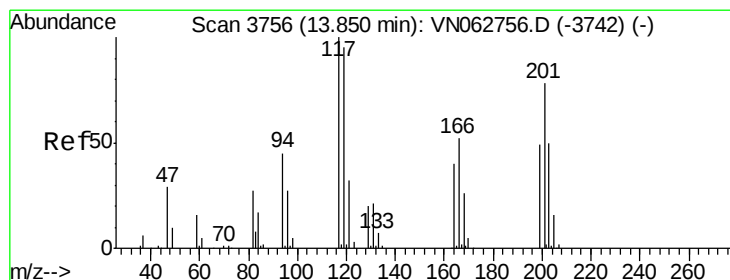
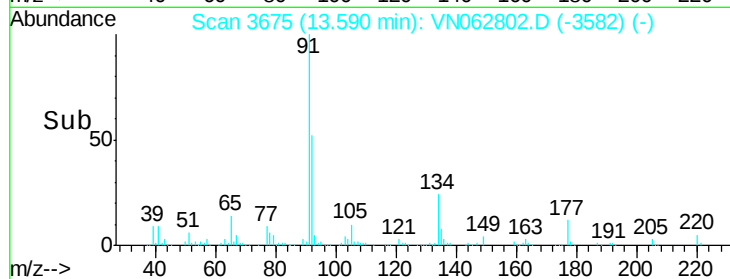
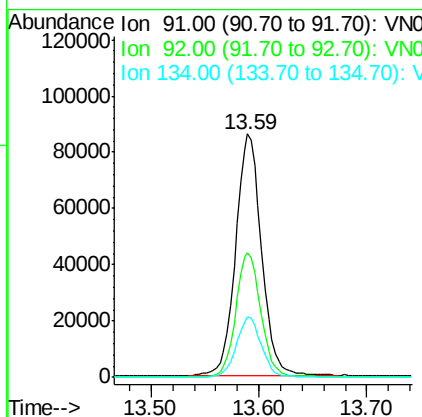
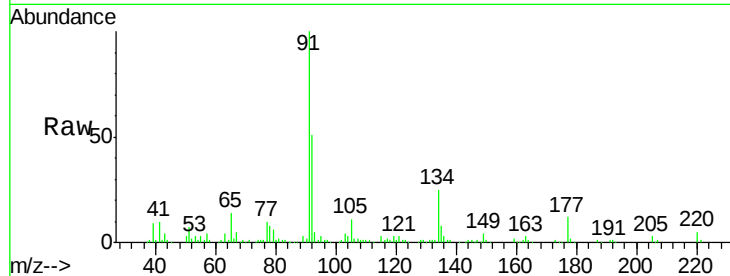
#89
n-Butylbenzene
Concen: 20.762 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0810MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	23.7	12.2	36.6

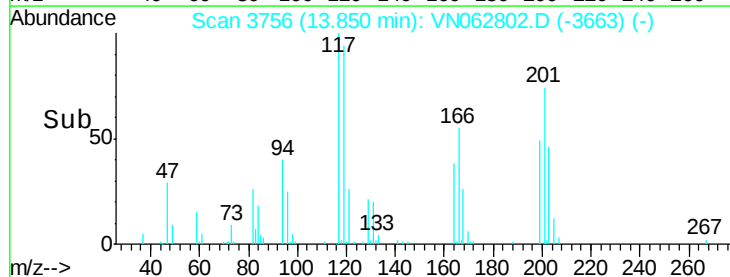
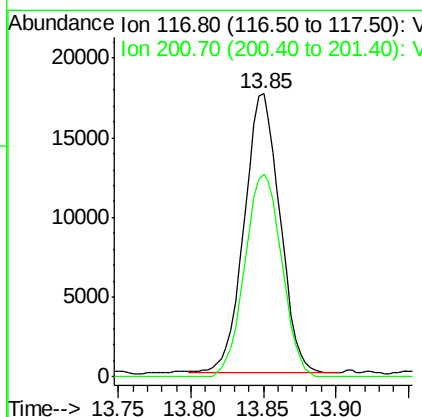
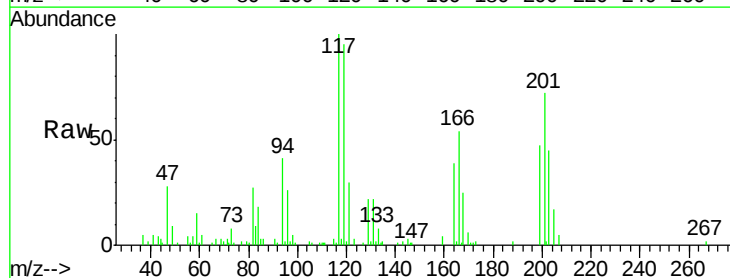
Manual Integrations
APPROVED

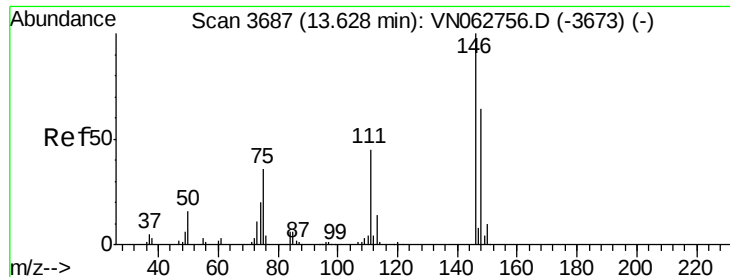
sam
8/11/2020 3:24:44 PM



#90
Hexachloroethane
Concen: 17.094 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062802.D
Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	39.2	117.6





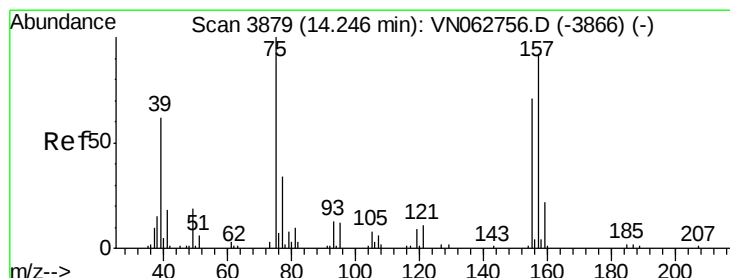
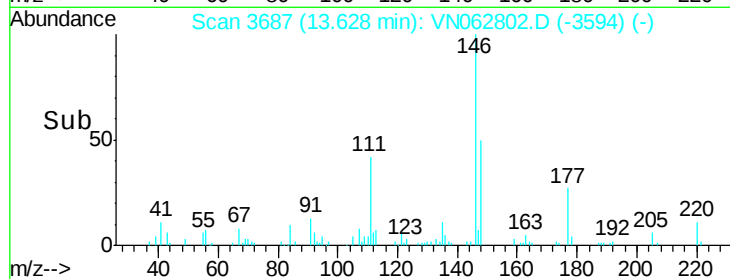
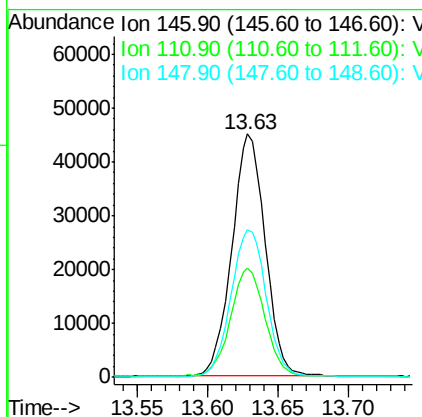
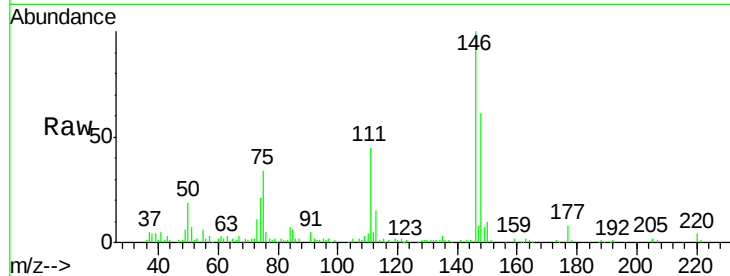
#91
 1,2-Dichlorobenzene
 Concen: 18.745 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion:	146	Resp:	74037
Ion Ratio	Lower	Upper	
146	100		
111	46.3	22.8	68.4
148	65.7	31.9	95.5

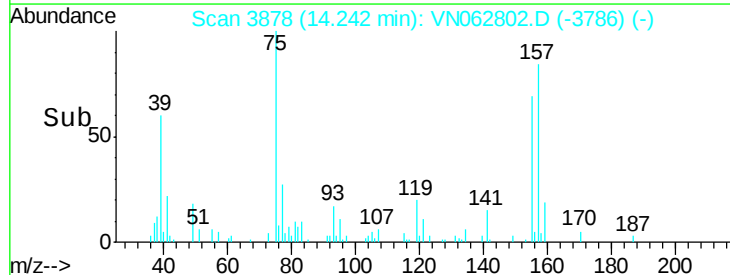
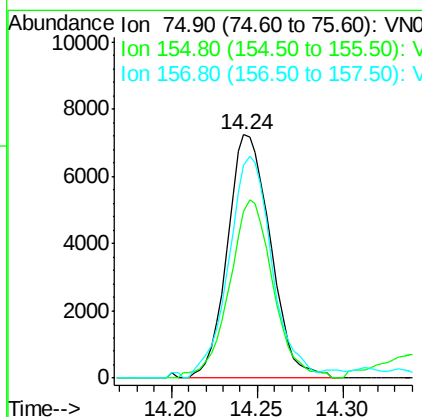
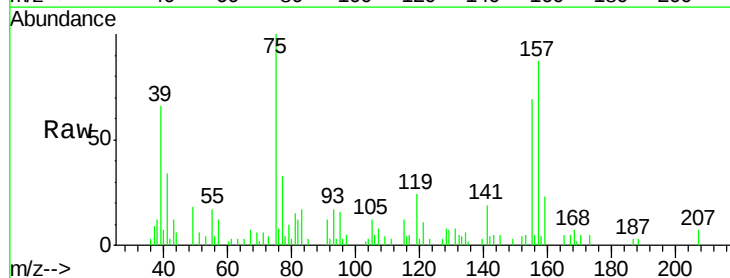
Manual Integrations
 APPROVED

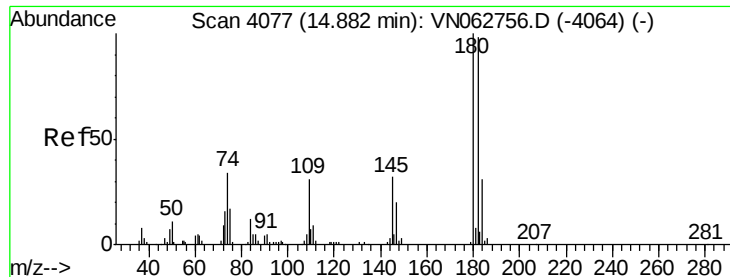
sam
 8/11/2020 3:24:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.586 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion:	75	Resp:	12614
Ion Ratio	Lower	Upper	
75	100		
155	73.9	35.0	105.1
157	91.5	43.2	129.6





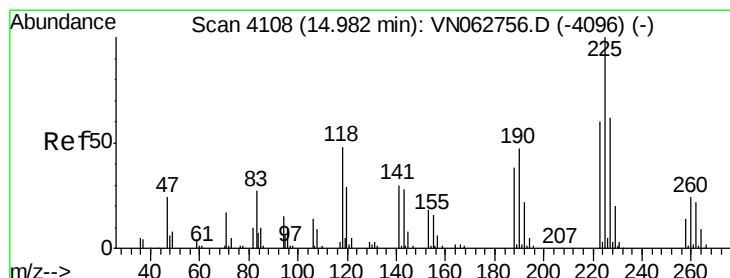
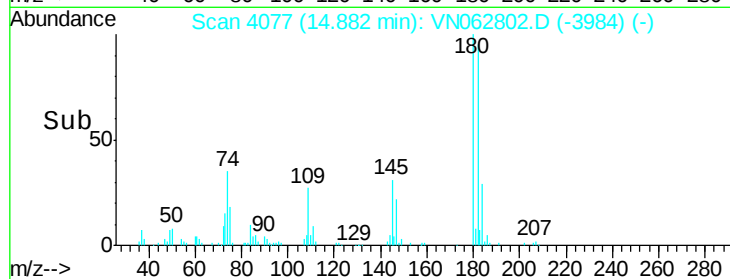
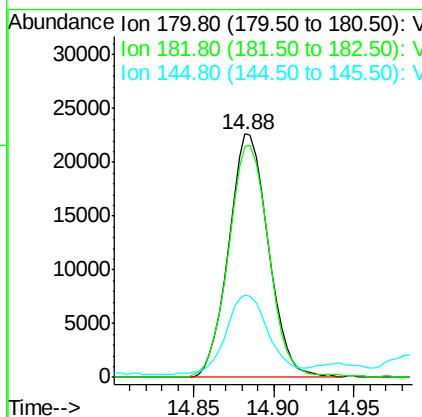
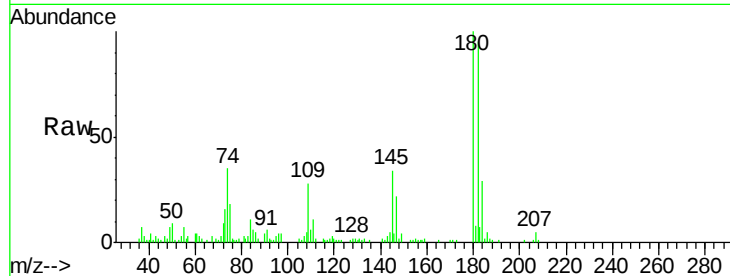
#93
 1,2,4-Trichlorobenzene
 Concen: 20.080 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.9	49.1	147.4	
145	34.5	16.3	48.8	

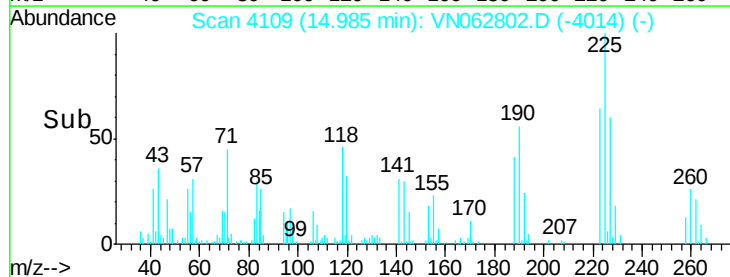
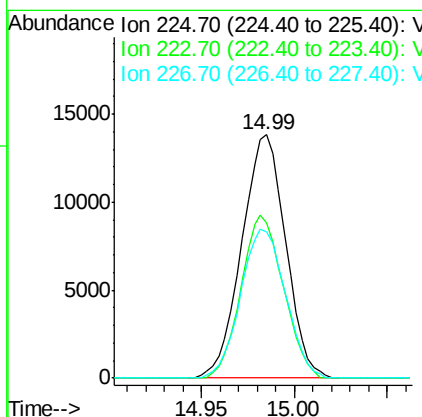
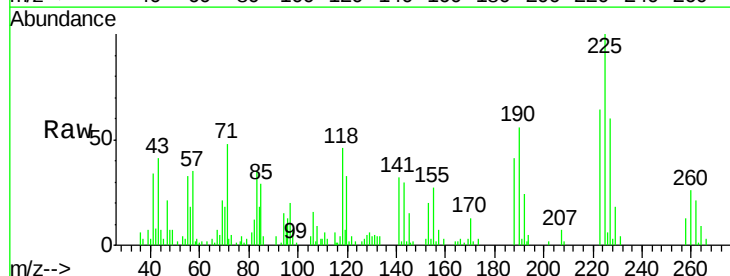
Manual Integrations
 APPROVED

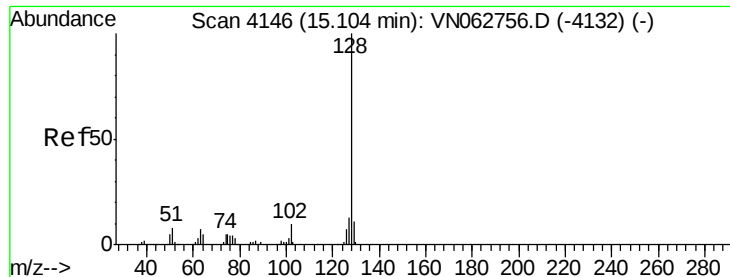
sam
 8/11/2020 3:24:44 PM



#94
 Hexachlorobutadiene
 Concen: 17.253 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062802.D
 Acq: 10 Aug 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	30.6	92.0	
227	62.7	31.6	95.0	





#95

Naphthalene

Concen: 22.482 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Instrument :

MSVOA_N

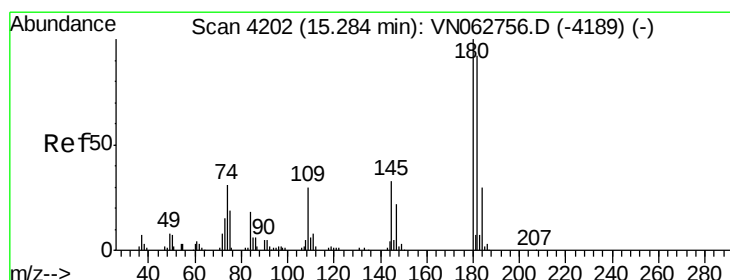
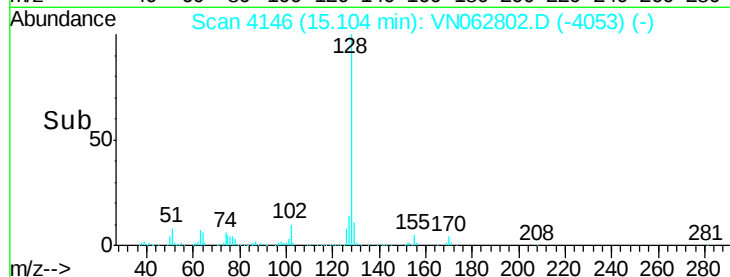
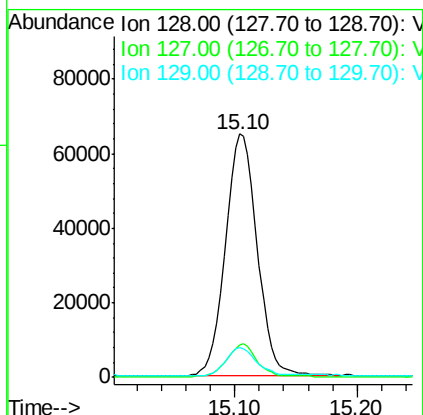
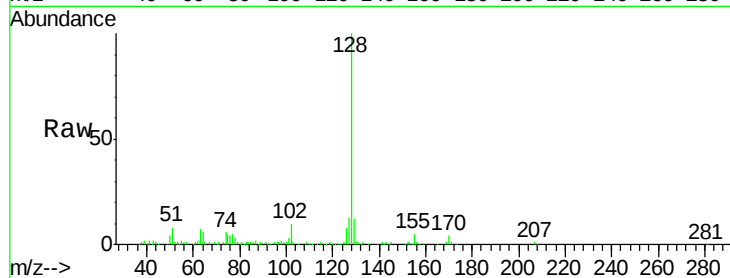
ClientSampleId :

VN0810MBS01

Tot Ion:	128	Resp:	117497
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.8	16.2
129	11.5	8.8	13.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.709 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062802.D

Acq: 10 Aug 2020 12:14

Tgt Ion:	180	Resp:	39744
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.9	143.6
145	34.7	17.3	51.7

