LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN070035.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.288	835	857	906	rBV	687053	2065940	23.59%	3.231%
2	4.588	958	969	991	rVB2	32324	91425	1.04%	0.143%
3	5.326	1213	1244	1261	rBV	302190	1305466	14.91%	2.041%
4	7.332	1962	1992	2034	rBV2	1875487	5923751	67.64%	9.263%
5	7.662	2094	2115	2150	rBV4	546115	1971289	22.51%	3.083%
6	7.820	2154	2174	2205	rVB	733182	1834972	20.95%	2.869%
7	8.448	2381	2408	2431	rBV4	719110	2202505	25.15%	3.444%
8	8.694	2482	2500	2518	rVB5	65408	158439	1.81%	0.248%
9	8.839	2537	2554	2580	rBV	514363	1113944	12.72%	1.742%
10	8.968	2585	2602	2629	rVB	1072845	2237267	25.55%	3.499%
11	9.271	2702	2715	2731	rVB3	60835	124919	1.43%	0.195%
12	9.410	2747	2767	2784	rBV4	155764	350721	4.00%	0.548%
13	9.558	2807	2822	2841	rVB	72121	156819	1.79%	0.245%
14	9.762	2885	2898	2921	rVB4	82295	213872	2.44%	0.334%
15	10.333	3096	3111	3134	rBV2	166771	343229	3.92%	0.537%
16	10.443	3134	3152	3163	rVV	1691412	3101654	35.42%	4.850%
17	10.505	3163	3175	3203	rVV2	1881265	4386989	50.09%	6.860%
18	10.609	3205	3214	3232	rVB2	100207	215116	2.46%	0.336%
19	10.974	3331	3350	3363	rBV4	53784	118825	1.36%	0.186%
20	11.057	3364	3381	3409	rVV	518503	1078991	12.32%	1.687%
21	11.653	3591	3603	3620	rVV6	96445	255718	2.92%	0.400%
22	11.744	3621	3637	3660	rVV	1417521	2867641	32.74%	4.484%
23	11.846	3660	3675	3690	rVV	855570	1536924	17.55%	2.403%
24	11.950	3691	3714	3743	rVB3	834191	2125588	24.27%	3.324%
25	12.100	3761	3770	3789	rVB2	74404	138984	1.59%	0.217%
26	12.280	3810	3837	3854	rBV2	516865	1054259	12.04%	1.649%
27	12.371	3856	3871	3886	rVV7	98779	264467	3.02%	0.414%
28	12.578	3938	3948	3960	rBV3	169659	288968	3.30%	0.452%
29	12.656	3969	3977	3992	rVV2	121638	209700	2.39%	0.328%
30	12.731	3992	4005	4026	rVB	1075369	1946727	22.23%	3.044%
31	12.983	4089	4099	4108	rBV	279503	492867	5.63%	0.771%
32	13.053	4115	4125	4156	rVB6	673213	1661310	18.97%	2.598%
33	13.286	4204	4212	4219	rBV3	201974	297874	3.40%	0.466%
34	13.369	4233	4243	4272	rVB4	616964	1706386	19.48%	2.668%
35	13.492	4280	4289	4298	rBV4	427734	696023	7.95%	1.088%
36	13.616	4317	4335	4351	rVB	4660353	8757566	100.00%	13.695%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.699	4353	4366	4372	rVV2	996016	1953718	22.31%	3.055%
38	13.736	4375	4380	4400	rVB3	1484351	2436010	27.82%	3.809%
39	13.884	4425	4435	4454	rVB6	262143	703732	8.04%	1.100%
40	13.994	4466	4476	4488	rBV2	892231	1406393	16.06%	2.199%
41	14.324	4589	4599	4610	rBV7	152499	267481	3.05%	0.418%
42	14.560	4675	4687	4702	rVV	1249144	2323484	26.53%	3.633%
43	14.624	4703	4711	4739	rVB4	347782	850332	9.71%	1.330%
44	14.847	4787	4794	4808	rVB2	277298	417174	4.76%	0.652%
45	14.919	4812	4821	4833	rVV4	150502	293645	3.35%	0.459%

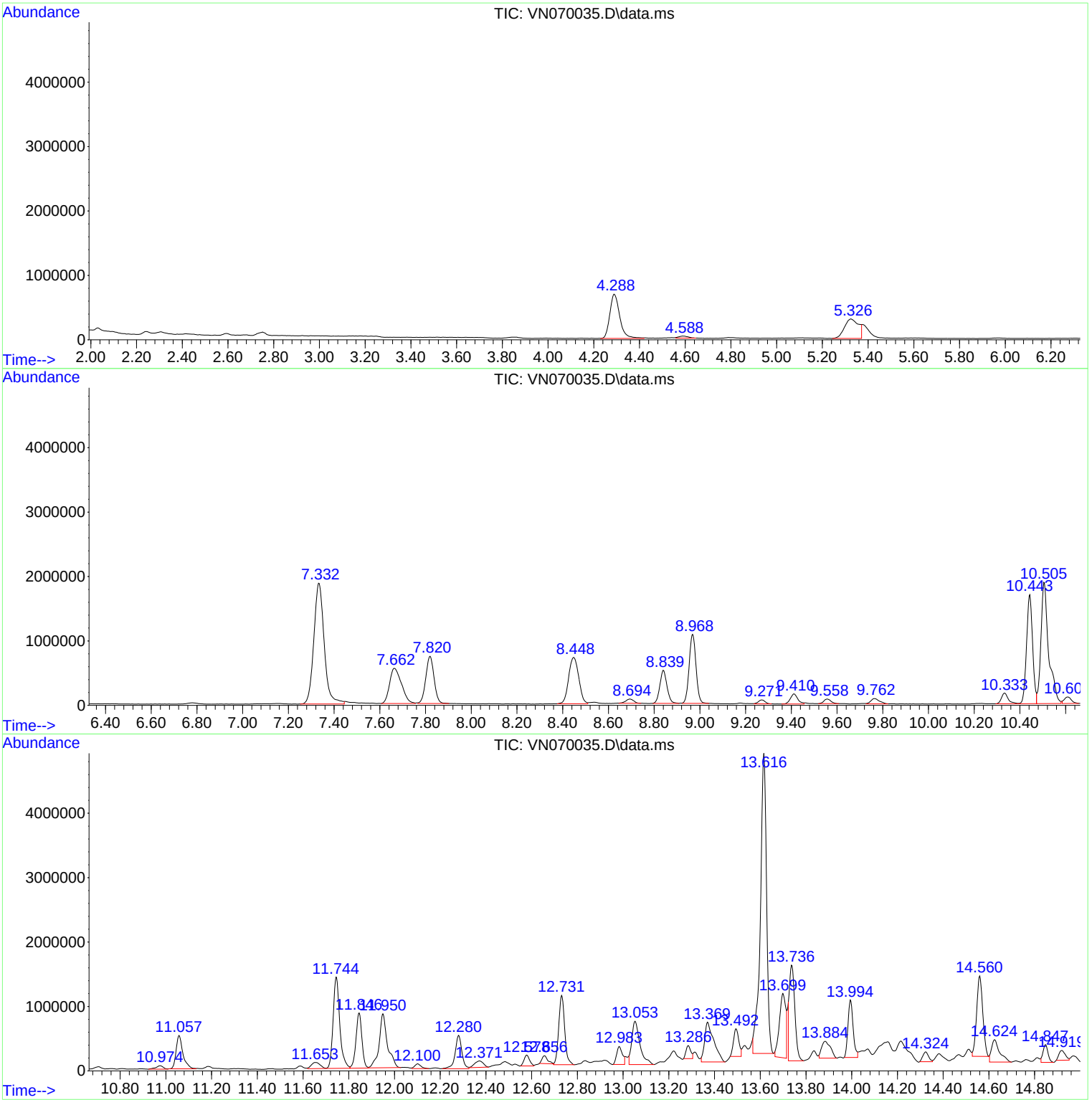
Sum of corrected areas: 63949104

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

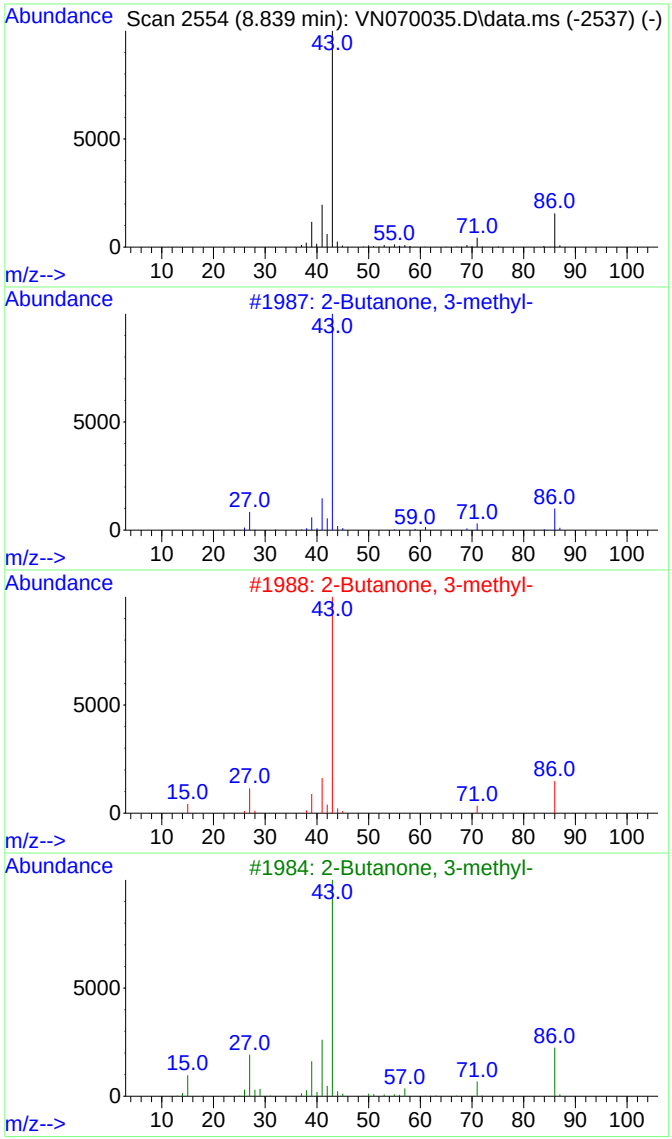
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

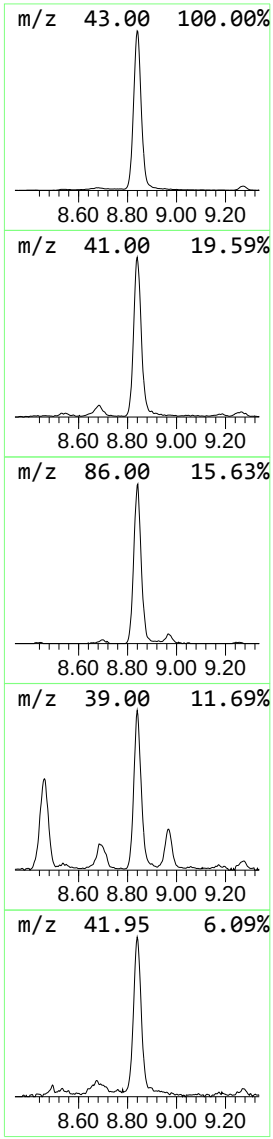
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Butanone, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.839	14.94 ug/l	1113940	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	72
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
4	2,3-Butanedione	86	C4H6O2	000431-03-8	53
5	2-Pentanone	86	C5H10O	000107-87-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

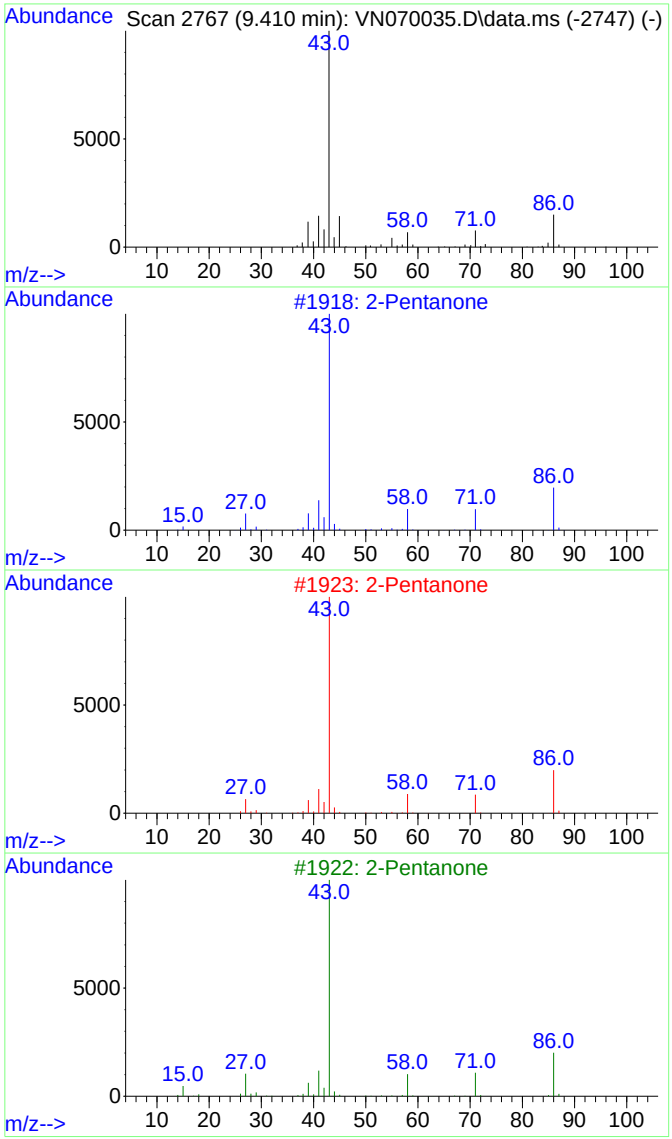
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

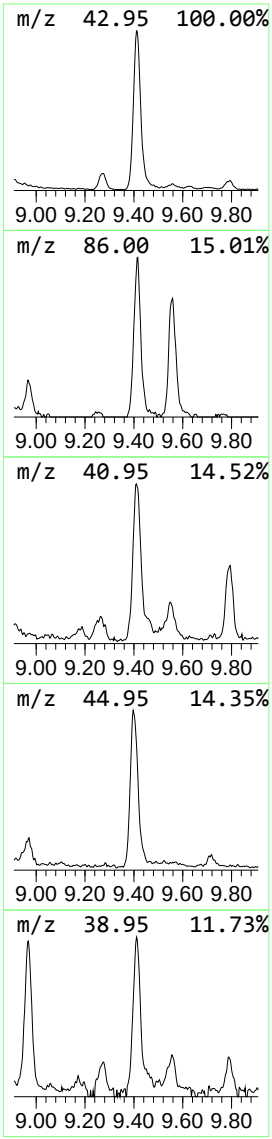
****

Peak Number 2 2-Pentanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.410	4.70 ug/l	350721	1,4-Difluorobenzene	8.968

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	52
2	2-Pentanone	86	C5H10O	000107-87-9	50
3	2-Pentanone	86	C5H10O	000107-87-9	50
4	2-Pentanone	86	C5H10O	000107-87-9	50
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

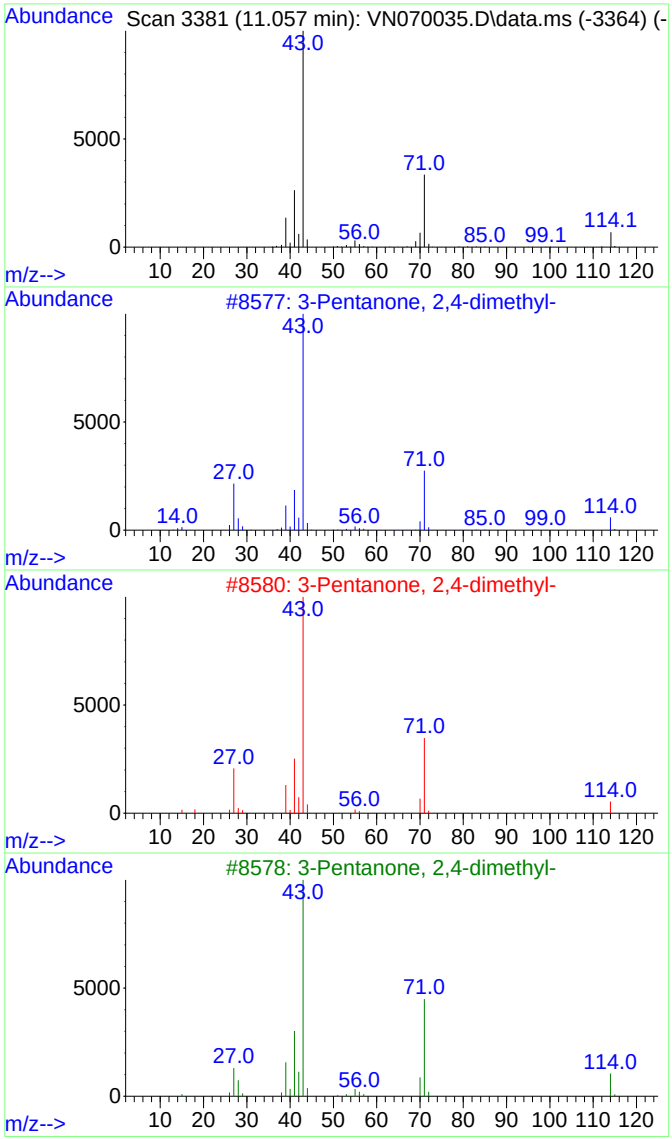
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

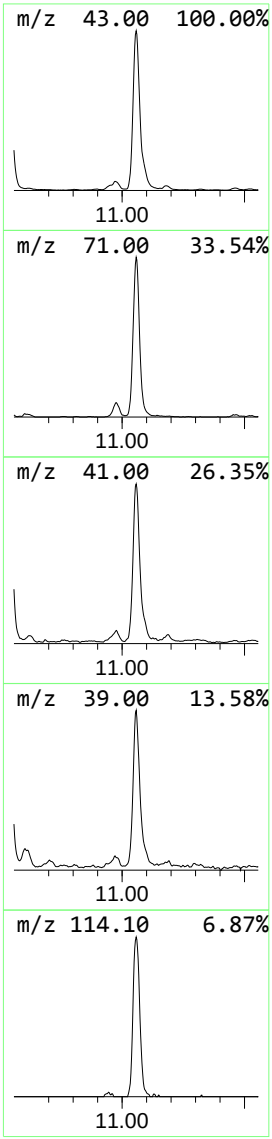
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.057	11.29 ug/l	1078990	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	64
4	2,3-Hexanedione	114	C6H10O2	003848-24-6	59
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

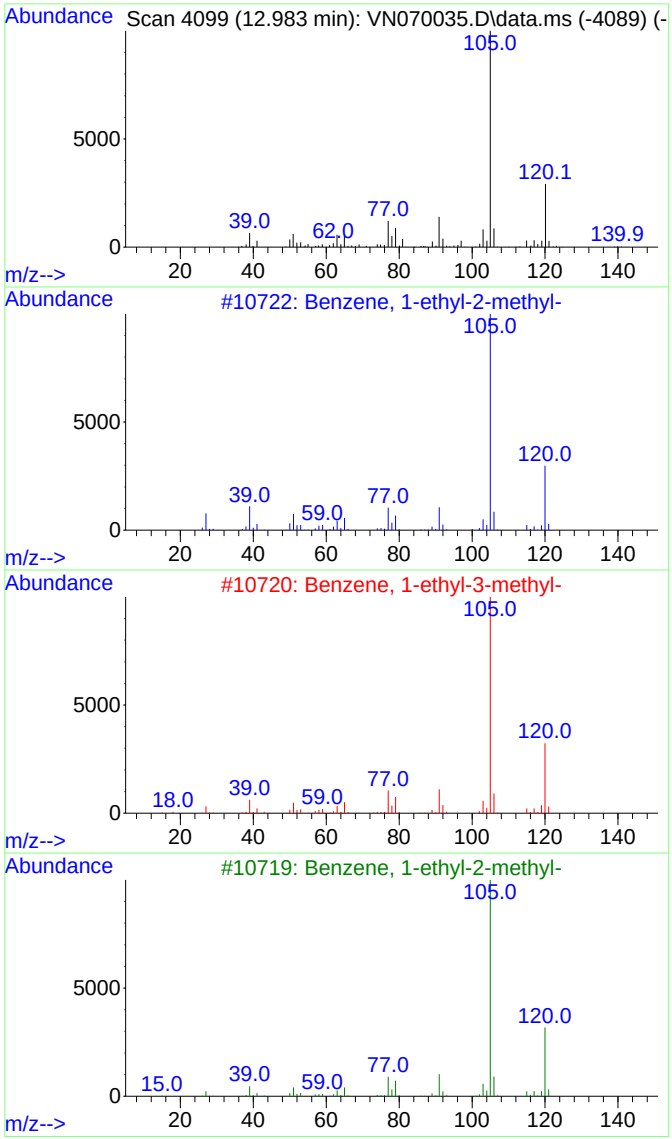
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

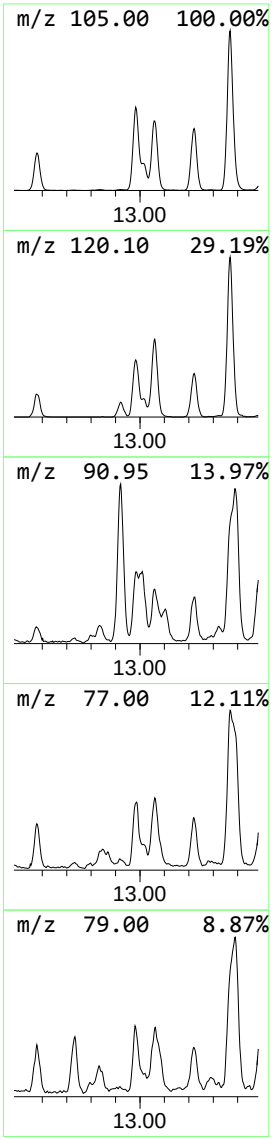
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.983	5.16 ug/l	492867	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

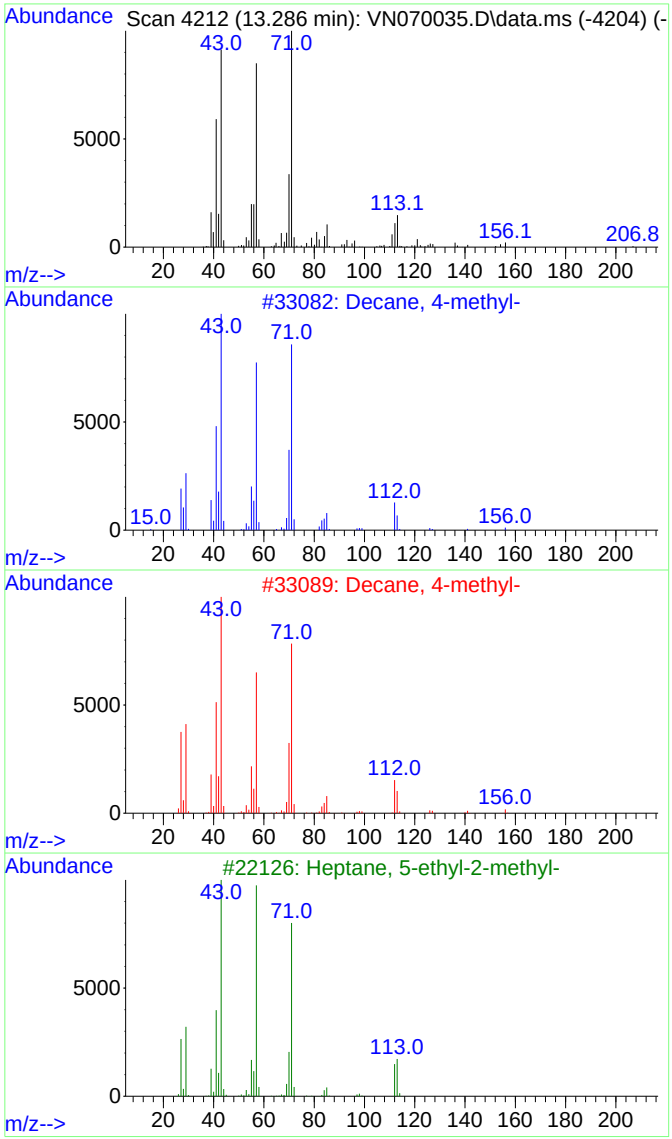
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

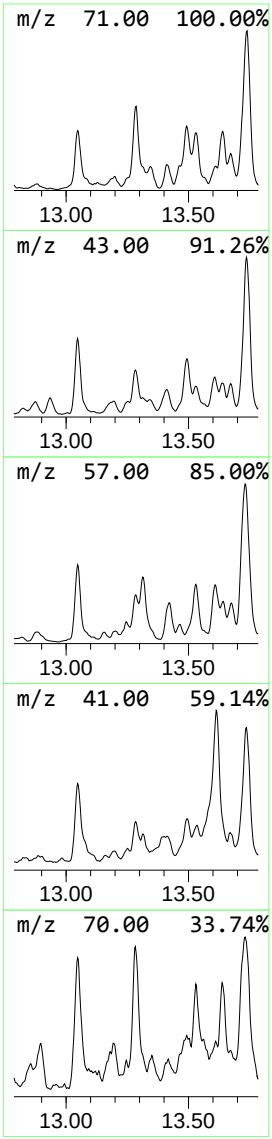
****

Peak Number 5 Decane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	3.12 ug/l	297874	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	81
3	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

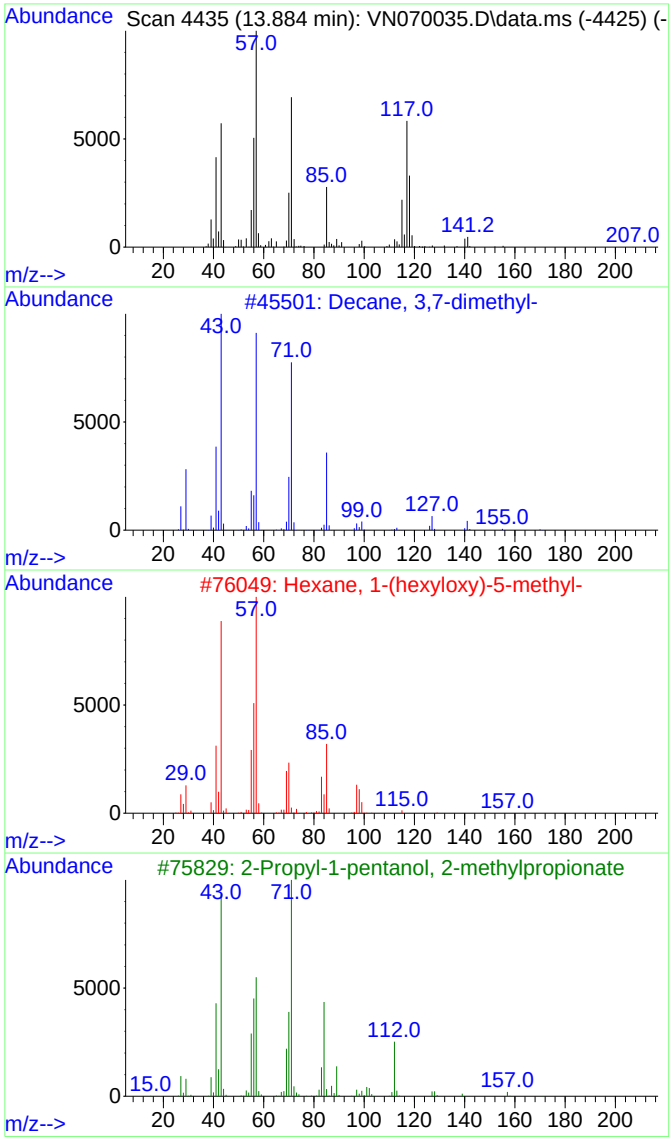
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

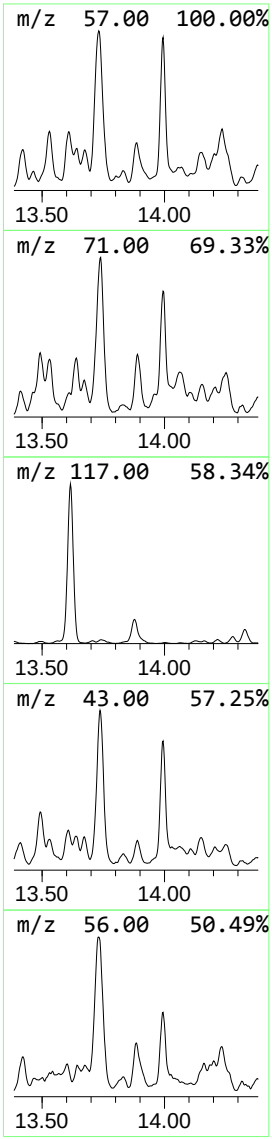
****

Peak Number 6 unknown13.884 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.884	7.36 ug/l	703732	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	35
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	27
3	2-Propyl-1-pentanol, 2-methylpro...	200	C12H24O2	1000447-36-4	22
4	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	22
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

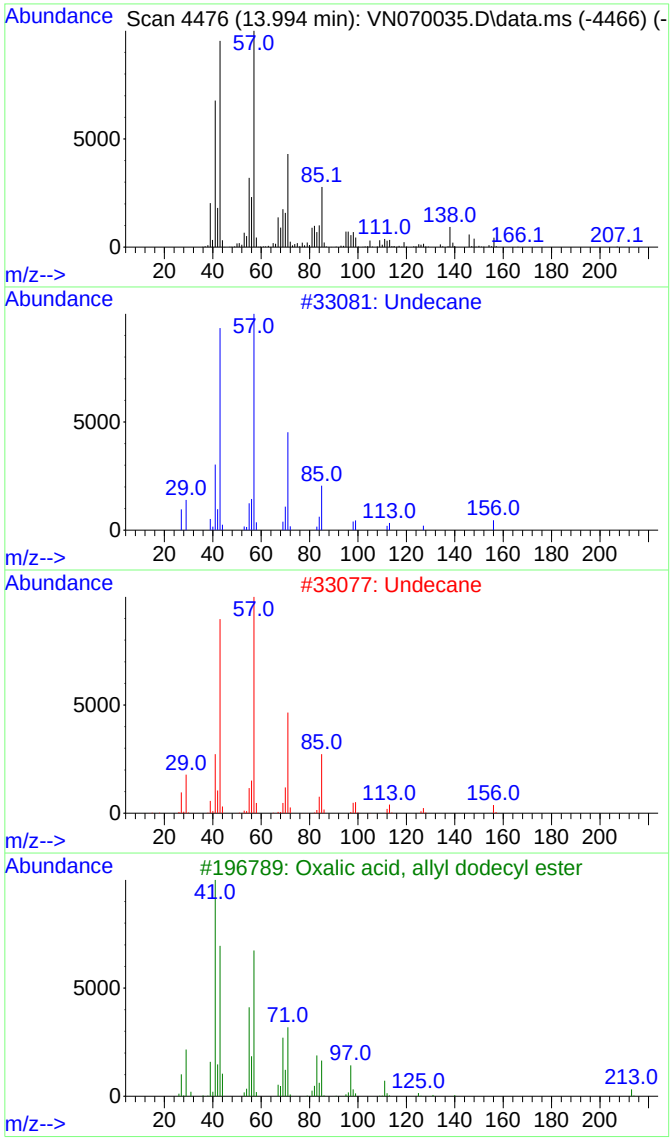
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

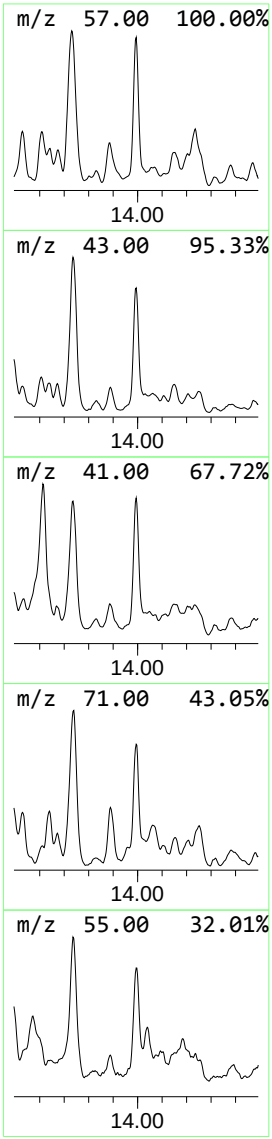
****

Peak Number 7 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	14.71 ug/l	1406390	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	76
2	Undecane	156	C11H24	001120-21-4	64
3	Oxalic acid, allyl dodecyl ester	298	C17H30O4	1000309-24-0	59
4	Undecane	156	C11H24	001120-21-4	58
5	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

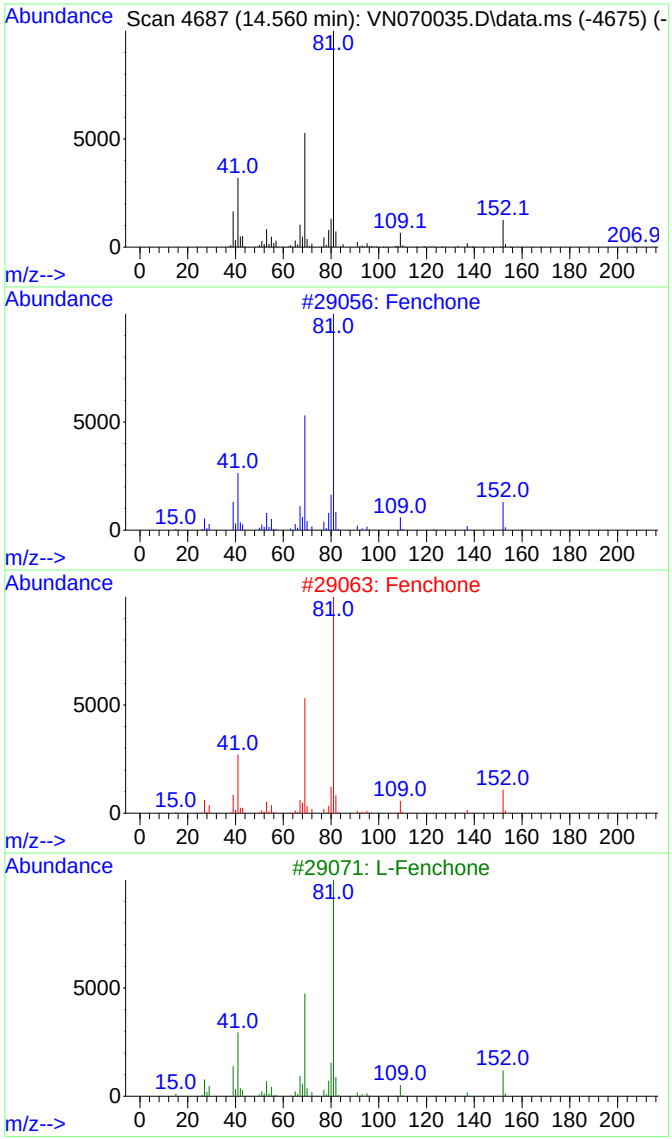
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

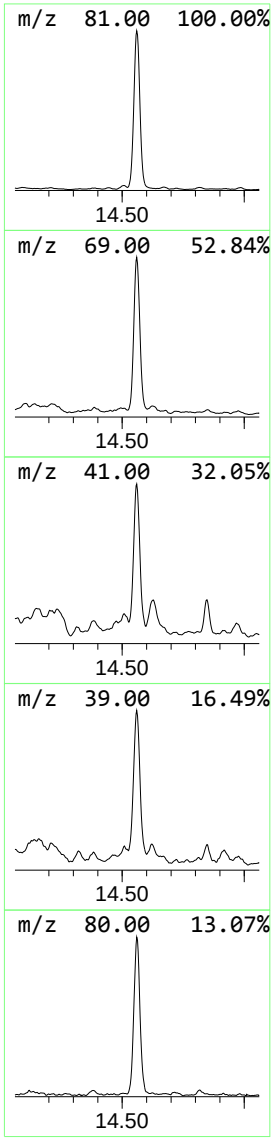
****

Peak Number 8 Fenchone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.560	24.31 ug/l	2323480	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	95
2	Fenchone	152	C10H16O	001195-79-5	95
3	L-Fenchone	152	C10H16O	007787-20-4	94
4	L-Fenchone	152	C10H16O	007787-20-4	91
5	D-Fenchone	152	C10H16O	004695-62-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

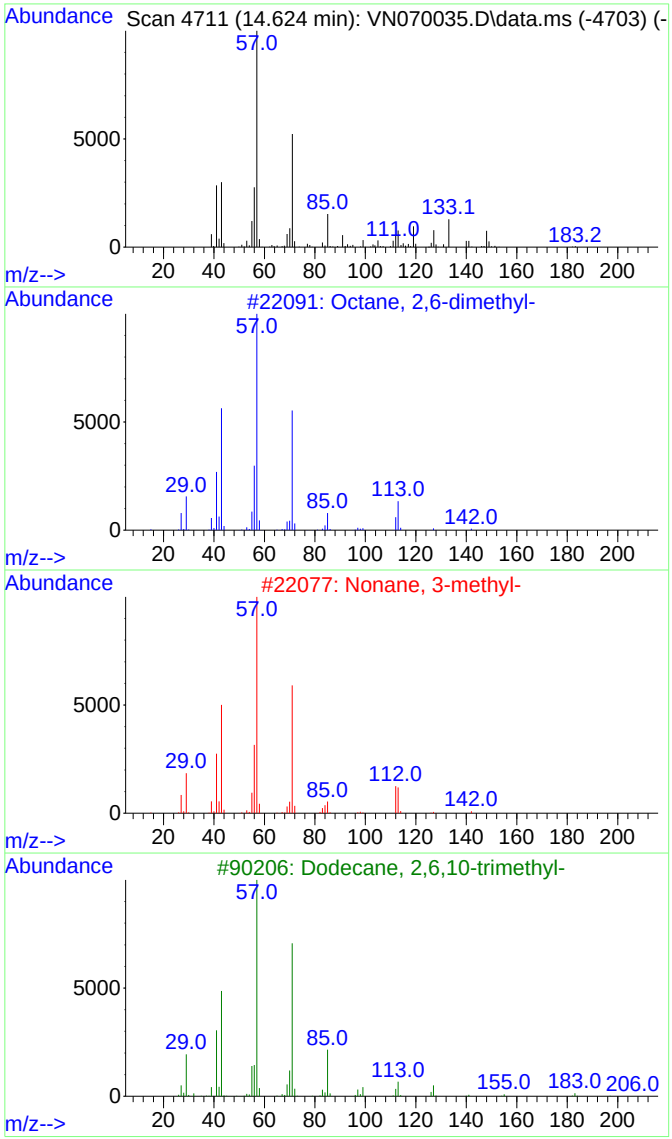
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

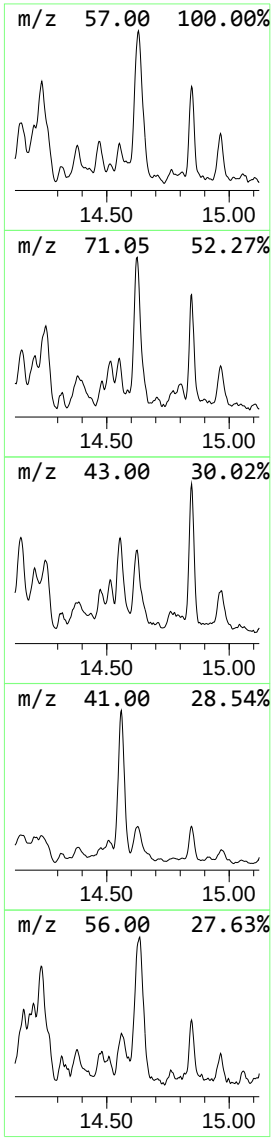
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.624	8.90 ug/l	850332	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

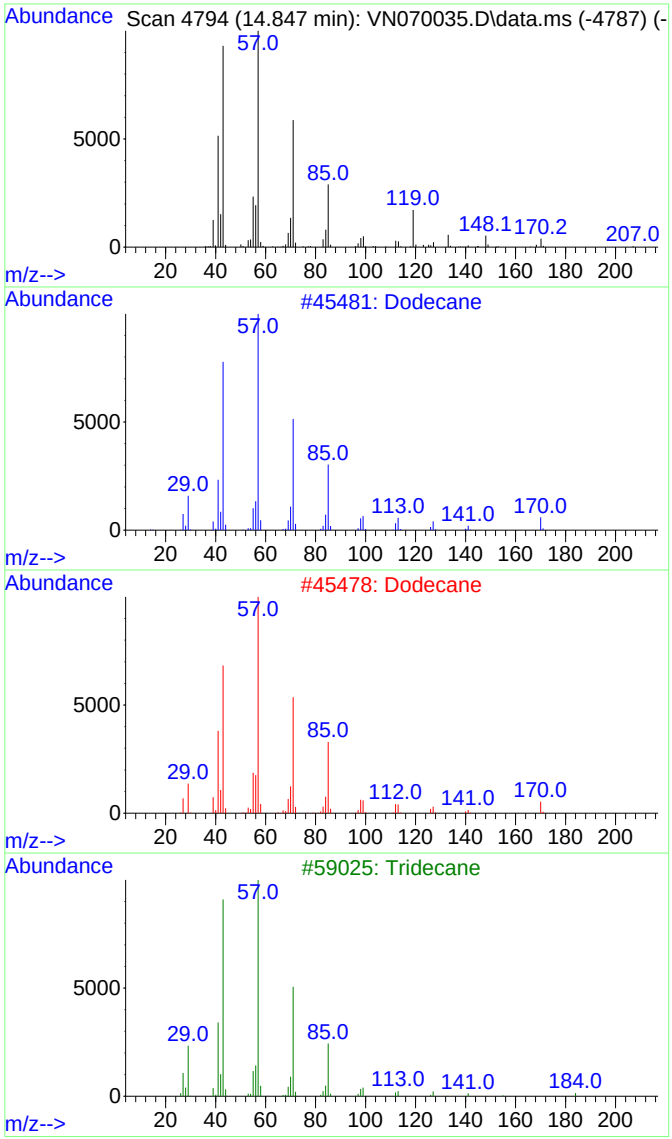
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

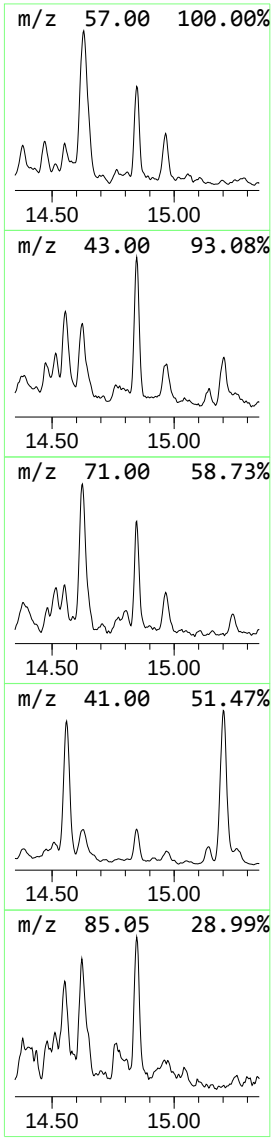
****

Peak Number 10 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.847	4.36 ug/l	417174	Chlorobenzene-d5	11.744

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	91
2	Dodecane	170	C12H26	000112-40-3	91
3	Tridecane	184	C13H28	000629-50-5	72
4	Carbonic acid, undecyl vinyl ester	242	C14H26O3	1000382-54-9	64
5	Undecane	156	C11H24	001120-21-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070035.D
Acq On : 13 Dec 2021 16:29
Operator : JC/MD
Sample : M4914-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SEMI-ANNUAL-CONDENSATE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butanone, 3-m...	8.839	14.9	ug/l	1113940	2	8.968	2237270	30.0
2-Pentanone	9.410	4.7	ug/l	350721	2	8.968	2237270	30.0
3-Pentanone, 2,...	11.057	11.3	ug/l	1078990	3	11.744	2867640	30.0
Benzene, 1-ethy...	12.983	5.2	ug/l	492867	3	11.744	2867640	30.0
Decane, 4-methyl-	13.286	3.1	ug/l	297874	3	11.744	2867640	30.0
unknown13.884	13.884	7.4	ug/l	703732	3	11.744	2867640	30.0
Undecane	13.994	14.7	ug/l	1406390	3	11.744	2867640	30.0
Fenchone	14.560	24.3	ug/l	2323480	3	11.744	2867640	30.0
Octane, 2,6-dim...	14.624	8.9	ug/l	850332	3	11.744	2867640	30.0
Dodecane	14.847	4.4	ug/l	417174	3	11.744	2867640	30.0